APPENDIX D
HYDRAULIC MODEL RESULTS

Table A1 - Pipe Existing Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Antelope Creek	PP716	B5-632	B5-633	1135.40	1133.54	350.00	1.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	4.33	7.66	-0.04	0.00
Antelope Creek	PP717	B5-633	B5-635	1133.54	1130.57	378.00	1.50	0.01	0.00	0.00	0.00	0.00	0.03	-9E+99	5.27	9.31	0.48	0.00
Antelope Creek	PP543	D2-179	D2-178	1257.23	1257.01	365.00	2.50	0.00	0.00	0.00	1.86	3.92	0.58	-9E+99	2.05	10.07	1.16	0.46
Antelope Creek	PP544	D2-178	D2-177	1257.01	1256.65	623.00	2.50	0.00	0.00	0.00	1.75	3.92	0.60	-9E+99	2.01	9.86	1.23	0.49
Antelope Creek	PP545	D2-177	D2-73	1256.65	1256.72	401.19	2.50	0.00	-1.50	-2.94	1.68	3.92	0.61	-9E+99	1.10	5.42	1.16	0.46
Antelope Creek	PP546	D2-73	D2-72	1256.72	1256.08	583.16	2.50	0.00	0.00	0.00	2.22	3.92	0.52	-9E+99	2.77	13.59	1.10	0.44
Antelope Creek	PP547	D2-72	D2-71	1256.08	1255.73	600.00	2.50	0.00	0.00	0.00	1.87	3.92	0.58	-9E+99	2.02	9.91	1.12	0.45
Antelope Creek	PP548	D2-71	D2-161	1255.73	1255.59	260.34	2.50	0.00	0.00	0.00	1.84	3.92	0.58	-9E+99	1.94	9.51	1.12	0.45
Antelope Creek	PP549	D2-161	D2-70	1255.59	1255.46	239.66	2.50	0.00	0.00	0.00	1.84	3.92	0.58	-9E+99	1.95	9.55	1.12	0.45
Antelope Creek	PP550	D2-70	D2-69	1255.46	1255.13	544.40	2.50	0.00	0.00	0.00	1.83	3.92	0.58	-9E+99	2.06	10.10	1.17	0.47
Antelope Creek	PP551	D2-69	D2-68	1255.13	1254.83	355.60	2.50	0.00	0.00	0.00	1.75	3.92	0.60	-9E+99	2.43	11.91	1.33	0.53
Antelope Creek	PP552	D2-68	D2-392	1254.83	1254.82	83.20	2.50	0.00	0.00	0.00	1.69	3.92	0.65	-9E+99	0.92	4.50	1.33	0.53
Antelope Creek	PP553	E0-4	E0-17	1311.85	1306.00	486.00	1.50	0.01	0.00	0.00	3.01	1.16	0.22	-9E+99	6.52	11.52	1.10	0.73
Antelope Creek	PP554	E0-17	E1-93	1306.00	1305.40	100.00	1.50	0.01	0.00	0.00	4.51	6.29	0.45	-9E+99	4.60	8.14	1.32	0.88
Antelope Creek	PP555	E1-93	E1-1	1305.40	1304.50	303.00	1.50	0.00	0.00	0.00	3.91	6.29	0.45	-9E+99	3.24	5.72	1.32	0.88
Antelope Creek	PP556	E1-1	E1-2	1304.50	1302.00	424.00	1.50	0.01	0.00	0.00	4.97	6.29	0.44	-9E+99	4.56	8.07	1.02	0.68
Antelope Creek	PP557	E1-2	E1-3	1302.00	1298.75	437.00	1.50	0.01	0.00	0.00	5.53	6.29	0.42	-9E+99	5.13	9.06	0.92	0.61
Antelope Creek	PP558	E1-3	E1-4	1298.75	1295.31	434.00	1.50	0.01	0.00	0.00	5.47	6.29	0.42	-9E+99	5.29	9.35	1.19	0.79
Antelope Creek	PP559	E1-4	D1-427	1295.31	1295.00	104.00	1.50	0.00	0.00	0.00	4.26	6.29	0.45	-9E+99	3.25	5.73	1.19	0.79
Antelope Creek	PP560	D1-427	D1-428	1295.00	1291.52	597.00	1.50	0.01	0.00	0.00	5.01	6.29	0.44	-9E+99	4.54	8.02	1.03	0.69
Antelope Creek	PP561	D1-428	D1-429	1291.52	1288.95	469.00	1.50	0.01	0.00	0.00	4.76	6.29	0.44	-9E+99	4.40	7.78	1.26	0.84
Antelope Creek	PP562	D1-429	D1-430	1288.95	1286.80	557.00	1.50	0.00	0.00	0.00	4.09	6.29	0.45	-9E+99	3.69	6.53	1.26	0.84
Antelope Creek	PP563	D1-430	D1-510	1286.80	1286.18	62.00	1.50	0.01	0.00	0.00	5.60	6.29	0.42	-9E+99	5.94	10.50	1.04	0.69
Antelope Creek	PP564	D1-510	D1-431	1286.18	1283.35	519.00	1.50	0.01	0.00	0.00	4.66	6.29	0.44	-9E+99	4.39	7.76	1.42	0.94
Antelope Creek	PP565	D1-431	D1-432	1283.35	1282.86	404.00	1.75	0.00	0.00	0.00	3.14	6.29	0.52	-9E+99	2.29	5.52	1.42	0.81
Antelope Creek	PP566	D1-432	D1-433	1282.86	1277.96	326.00	1.75	0.02	0.00	0.00	6.98	6.29	0.37	-9E+99	8.08	19.43	0.85	0.48
Antelope Creek	PP567	D1-433	D1-434	1277.96	1276.44	194.00	1.75	0.01	0.00	0.00	5.16	6.29	0.44	-9E+99	5.83	14.03	1.23	0.70
Antelope Creek	PP568	D1-434	D1-550	1276.44	1276.06	202.00	1.75	0.00	0.00	0.00	3.56	6.29	0.51	-9E+99	2.86	6.87	1.23	0.70
Antelope Creek	PP569	D1-550	D1-435	1276.06	1275.90	48.00	1.75	0.00	0.00	0.00	4.28	6.29	0.48	-9E+99	3.80	9.15	1.03	0.59
Antelope Creek	PP570	D1-435	D1-547	1275.90	1274.55	311.00	1.75	0.00	0.00	0.00	4.34	6.29	0.48	-9E+99	4.34	10.44	1.21	0.69
Antelope Creek	PP571	D1-547	D1-436	1274.55	1274.27	155.00	1.75	0.00	0.00	0.00	3.59	6.29	0.51	-9E+99	2.80	6.73	1.21	0.69
Antelope Creek	PP572	D1-436	D1-437	1274.27	1273.12	303.00	1.75	0.00	0.00	0.00	4.27	6.29	0.48	-9E+99	4.06	9.76	1.04	0.60
Antelope Creek	PP573	D1-437	D1-548	1273.12	1268.61	543.00	1.75	0.01	0.00	0.00	5.79	6.29	0.41	-9E+99	6.00	14.44	0.81	0.46
Antelope Creek	PP574	D1-548	D1-440	1268.61	1266.81	185.00	1.75	0.01	0.00	0.00	5.44	6.29	0.42	-9E+99	6.50	15.63	1.29	0.74
Antelope Creek	PP575	D1-440	D1-441	1266.81	1266.79	136.00	1.75	0.00	0.00	0.00	3.46	6.29	0.51	-9E+99	0.80	1.92	1.29	0.74
Antelope Creek	PP576	D1-441	D1-442	1266.79	1264.91	244.00	1.75	0.01	0.00	0.00	5.59	6.29	0.42	-9E+99	5.78	13.91	0.87	0.49
Antelope Creek	PP577	D1-442	D1-443	1264.91	1263.14	270.00	1.75	0.01	0.00	0.00	5.30	6.29	0.43	-9E+99	5.33	12.83	0.87	0.49
Antelope Creek	PP578	D1-443	D1-444	1263.14	1259.56	379.00	1.75	0.01	0.00	0.00	5.90	6.29	0.41	-9E+99	6.40	15.40	0.95	0.55
Antelope Creek	PP579	D1-444	D1-582	1259.54	1258.09	316.00	1.75	0.00	0.00	0.00	4.60	6.29	0.46	-9E+99	4.46	10.73	0.97	0.56
Antelope Creek	PP580	D1-582	D2-381	1258.09	1257.73	504.00	2.50	0.00	0.00	0.00	1.78	2.37	0.44	-9E+99	2.23	10.96	0.79	0.32
Antelope Creek	L794	D1-582	D2-179	1258.00	1257.20	501.00	2.50	0.00	0.00	0.00	2.47	3.92	0.50	-9E+99	3.34	16.39	1.15	0.46
Antelope Creek	PP581	D2-381	D2-382	1257.73	1257.45	380.00	2.50	0.00	0.00	0.00	1.79	2.37	0.44	-9E+99	2.27	11.13	0.79	0.32
Antelope Creek	PP582	D2-382	D2-383	1257.45	1257.03	587.00	2.50	0.00	0.00	0.00	1.78	2.37	0.44	-9E+99	2.24	10.97	0.79	0.32
Antelope Creek	PP583	D2-383	D2-384	1257.03	1256.90	173.00	2.50	0.00	0.00	0.00	1.80	2.37	0.44	-9E+99	2.29	11.24	0.79	0.32
Antelope Creek	PP584	D2-384	D2-385	1256.90	1256.55	485.00	2.50	0.00	0.00	0.00	1.78	2.37	0.44	-9E+99	2.24	11.02	0.79	0.32
Antelope Creek	PP585	D2-385	D2-386	1256.55	1256.12	600.00	2.50	0.00	0.00	0.00	1.77	2.37	0.45	-9E+99	2.24	10.98	0.80	0.32
Antelope Creek	PP586	D2-386	D2-387	1256.12	1255.72	543.00	2.50	0.00	0.00	0.00	1.75	2.37	0.45	-9E+99	2.27	11.13	0.84	0.33
Antelope Creek	PP587	D2-387	D2-388	1255.72	1255.57	211.00	2.50	0.00	0.00	0.00	1.64	2.37	0.47	-9E+99	2.23	10.94	0.87	0.35

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Antelope Creek	PP588	D2-388	D2-389	1255.57	1255.36	291.00	2.50	0.00	0.00	0.00	1.54	2.37	0.48	-9E+99	2.24	11.02	0.95	0.38
Antelope Creek	PP589	D2-389	D2-390	1255.36	1255.14	308.00	2.50	0.00	0.00	0.00	1.42	2.37	0.52	-9E+99	2.23	10.96	1.07	0.43
Antelope Creek	PP590	D2-390	D2-391	1255.14	1254.83	431.00	2.50	0.00	0.00	0.00	1.14	2.37	0.57	-9E+99	2.24	11.00	1.30	0.52
Antelope Creek	PP591	D2-391	D2-392	1254.83	1254.83	7.33	2.50	0.00	0.82	-0.43	0.91	2.37	0.64	-9E+99	0.26	1.30	1.30	0.52
Antelope Creek	PP592	D2-392	D2-67	1254.82	1254.50	369.46	2.50	0.00	0.00	0.00	2.40	6.28	0.64	-9E+99	2.46	12.07	1.35	0.54
Antelope Creek	PP593	D2-67	D2-42	1254.50	1254.36	488.00	2.50	0.00	0.00	0.00	2.44	6.28	0.64	-9E+99	1.42	6.95	1.35	0.54
Antelope Creek	PP594	D2-42	D2-43	1254.36	1253.16	373.00	2.50	0.00	0.00	0.00	4.01	6.28	0.49	-9E+99	4.74	23.26	0.91	0.37
Antelope Creek	PP595	D2-43	D2-44	1253.16	1251.92	425.00	2.50	0.00	0.00	0.00	3.88	6.28	0.50	-9E+99	4.51	22.16	0.91	0.37
Antelope Creek	PP596	D2-44	D2-45	1251.92	1250.65	425.00	2.50	0.00	0.00	0.00	3.92	6.28	0.50	-9E+99	4.57	22.42	0.91	0.36
Antelope Creek	PP597	D2-45	D2-46	1250.65	1249.36	430.00	2.50	0.00	0.00	0.00	3.92	6.28	0.50	-9E+99	4.58	22.47	0.91	0.36
Antelope Creek	PP598	D2-46	D3-408	1249.36	1248.08	420.00	2.50	0.00	0.00	0.00	3.94	6.28	0.50	-9E+99	4.61	22.64	0.91	0.37
Antelope Creek	PP599	D3-408	D3-407	1248.08	1246.88	400.00	2.50	0.00	0.00	0.00	3.89	6.28	0.50	-9E+99	4.58	22.47	0.91	0.37
Antelope Creek	PP600	D3-407	D3-16	1246.88	1245.50	404.00	2.50	0.00	0.00	0.00	4.06	6.28	0.49	-9E+99	4.88	23.97	0.95	0.38
Antelope Creek	PP601	D3-16	D3-17	1245.50	1244.74	253.00	2.50	0.00	0.00	0.00	3.89	6.28	0.50	-9E+99	4.58	22.48	0.95	0.38
Antelope Creek	PP602	D3-17	D3-18	1244.74	1240.80	197.00	2.25	0.02	0.00	0.00	7.81	6.28	0.34	-9E+99	11.02	43.80	0.58	0.26
Antelope Creek	PP603	D3-18	D3-19	1229.59	1225.46	204.00	2.25	0.02	0.00	0.00	7.44	6.28	0.35	-9E+99	11.08	44.07	0.79	0.35
Antelope Creek	PP604	D3-19	D3-11	1225.46	1222.75	461.00	2.25	0.01	0.00	0.00	5.04	6.28	0.44	-9E+99	5.97	23.75	0.79	0.35
Antelope Creek	PP605	D3-11	D3-10	1222.75	1219.90	475.00	2.25	0.01	0.00	0.00	5.06	6.28	0.44	-9E+99	6.03	23.99	0.80	0.36
Antelope Creek	PP606	D3-10	D3-3	1219.90	1217.10	467.00	2.25	0.01	0.00	0.00	4.98	6.28	0.44	-9E+99	6.03	23.98	0.80	0.36
Antelope Creek	PP607	D3-3	D3-4	1217.10	1213.10	519.00	2.25	0.01	0.00	0.00	5.54	6.28	0.41	-9E+99	6.84	27.19	0.74	0.33
Antelope Creek	PP608	D3-4	D3-5	1213.10	1209.15	500.00	2.25	0.01	0.00	0.00	5.61	6.28	0.41	-9E+99	6.92	27.53	0.73	0.33
Antelope Creek	PP609	D3-5	D3-543	1209.15	1203.64	501.00	2.50	0.01	0.00	0.00	4.27	1.73	0.21	-9E+99	8.76	43.02	0.34	0.14
Antelope Creek	PP610	D3-5	D2-259	1209.15	1205.51	25.00	1.50	0.15	0.00	0.00	11.83	4.55	0.22	-9E+99	22.68	40.08	0.91	0.61
Antelope Creek	PP740	D2-259	D2-258	1205.51	1203.75	440.00	1.50	0.00	0.00	0.00	4.05	4.55	0.42	-9E+99	3.76	6.64	0.91	0.61
Antelope Creek	PP741	D2-258	D2-257	1203.75	1202.83	230.00	1.50	0.00	0.00	0.00	4.05	4.55	0.42	-9E+99	3.76	6.64	0.91	0.61
Antelope Creek	PP742	D2-257	D2-256	1202.83	1201.77	264.00	1.50	0.00	0.00	0.00	4.02	4.55	0.42	-9E+99	3.77	6.66	0.94	0.63
Antelope Creek	PP743	D2-256	C2-580	1201.77	1201.81	20.00	1.50	0.00	-3.64	-3.71	3.96	4.55	0.42	-9E+99	2.66	4.70	0.90	0.60
Antelope Creek	PP508	D1-312	D1-163	1259.00	1258.80	171.00	1.50	0.00	0.00	0.00	2.64	3.28	0.45	-9E+99	2.03	3.59	1.08	0.72
Antelope Creek	PP509	D1-163	D1-25	1258.80	1258.60	221.71	1.50	0.00	0.00	0.00	2.53	3.28	0.44	-9E+99	1.79	3.15	1.06	0.70
Antelope Creek	PP510	D1-25	D1-42	1258.60	1258.10	189.10	1.50	0.00	0.00	0.00	3.14	3.28	0.41	-9E+99	3.06	5.40	0.89	0.59
Antelope Creek	PP511	D1-42	D1-24	1258.10	1257.60	224.60	1.50	0.00	0.00	0.00	3.02	3.28	0.41	-9E+99	2.80	4.96	0.89	0.59
Antelope Creek	PP512	D1-24	D1-23	1257.60	1256.70	359.20	1.50	0.00	0.00	0.00	3.13	3.28	0.41	-9E+99	2.98	5.26	0.86	0.58
Antelope Creek	PP513	D1-23	D1-30	1256.70	1256.00	261.95	1.50	0.00	0.00	0.00	3.07	3.28	0.41	-9E+99	3.07	5.43	0.97	0.65
Antelope Creek	PP514	D1-30	D1-31	1256.00	1255.80	135.00	1.50	0.00	0.00	0.00	2.73	3.28	0.43	-9E+99	2.29	4.04	0.97	0.65
Antelope Creek	PP515	D1-31	D1-22	1255.80	1255.70	50.17	1.50	0.00	0.00	0.00	2.92	3.28	0.42	-9E+99	2.65	4.69	0.91	0.61
Antelope Creek	PP516	D1-22	D1-21	1255.70	1254.80	353.90	1.50	0.00	0.00	0.00	2.93	3.28	0.42	-9E+99	3.00	5.30	1.17	0.78
Antelope Creek	PP517	D1-21	D1-4	1254.80	1254.40	498.00	1.50	0.00	0.00	0.00	2.33	3.28	0.45	-9E+99	1.68	2.98	1.17	0.78
Antelope Creek	PP518	D1-4	D2-16	1254.40	1252.18	463.00	1.50	0.00	0.00	0.00	3.93	3.28	0.36	-9E+99	4.12	7.27	0.82	0.54
Antelope Creek	PP519	D2-16	D2-17	1252.18	1250.71	495.00	1.50	0.00	0.00	0.00	3.34	3.28	0.39	-9E+99	3.24	5.72	0.82	0.54
Antelope Creek	PP520	D2-17	D2-18	1250.71	1249.71	330.00	1.50	0.00	0.00	0.00	3.37	3.28	0.39	-9E+99	3.27	5.78	0.81	0.54
Antelope Creek	PP521	D2-18	D2-282	1249.71	1249.13	195.00	1.50	0.00	0.00	0.00	3.35	3.28	0.39	-9E+99	3.24	5.73	0.81	0.54
Antelope Creek	PP522	D2-282	D2-19	1249.13	1248.06	355.00	1.50	0.00	0.00	0.00	3.33	3.28	0.39	-9E+99	3.26	5.77	0.86	0.57
Antelope Creek	PP523	D2-19	D2-130	1248.06	1247.43	200.00	1.50	0.00	0.00	0.00	3.06	3.28	0.41	-9E+99	3.34	5.90	1.07	0.71
Antelope Creek	PP524	D2-130	D2-20	1247.43	1247.24	67.00	1.50	0.00	0.00	0.00	3.59	4.85	0.45	-9E+99	3.17	5.59	1.07	0.71
Antelope Creek	PP525	D2-20	D2-21	1247.24	1246.45	265.00	1.50	0.00	0.00	0.00	3.70	4.85	0.44	-9E+99	3.25	5.74	1.06	0.71
Antelope Creek	PP526	D2-21	D2-22	1246.45	1242.60	456.00	1.50	0.01	0.00	0.00	4.93	4.85	0.39	-9E+99	5.46	9.65	0.85	0.57
Antelope Creek	PP527	D2-22	D2-23	1242.60	1231.66	252.00	1.50	0.04	0.00	0.00	9.81	4.85	0.27	-9E+99	12.39	21.89	0.53	0.35
Antelope Creek	PP528	D2-23	D2-24	1231.66	1224.37	243.00	1.50	0.03	0.00	0.00	7.59	4.85	0.31	-9E+99	10.30	18.19	1.09	0.73
Antelope Creek	PP529	D2-24	D2-25	1224.37	1222.30	690.00	1.50	0.00	0.00	0.00	3.58	4.85	0.45	-9E+99	3.26	5.75	1.09	0.73

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Antelope Creek	PP530	D2-25	D2-26	1222.30	1220.16	267.00	1.50	0.01	0.00	0.00	5.73	6.49	0.42	-9E+99	5.32	9.40	0.92	0.61
Antelope Creek	PP531	D2-26	D2-255	1220.16	1217.56	325.00	1.50	0.01	0.00	0.00	5.65	6.49	0.42	-9E+99	5.32	9.40	1.02	0.68
Antelope Creek	PP532	D2-255	D2-56	1217.56	1216.20	175.00	1.50	0.01	0.00	0.00	4.90	6.49	0.43	-9E+99	5.24	9.26	1.55	1.03
Antelope Creek	PP533	D2-56	D2-48	1216.20	1216.20	120.00	1.50	0.00	0.00	0.00	3.74	6.49	0.45	-9E+99	0.19	0.33	1.55	1.03
Antelope Creek	PP534	D2-48	C2-X50	1215.20	1214.16	143.00	1.50	0.01	0.00	0.00	5.52	6.49	0.43	-9E+99	5.07	8.96	0.95	0.63
Antelope Creek	PP535	C2-X50	C2-587	1214.16	1212.76	151.00	1.50	0.01	0.00	0.00	5.29	6.49	0.43	-9E+99	5.72	10.11	1.43	0.95
Antelope Creek	PP536	C2-587	C2-586	1212.76	1212.13	254.00	1.50	0.00	0.00	0.00	3.85	6.49	0.45	-9E+99	2.96	5.23	1.43	0.95
Antelope Creek	PP537	C2-586	C2-585	1212.13	1210.40	254.00	1.50	0.01	0.00	0.00	5.34	6.49	0.43	-9E+99	4.91	8.67	0.98	0.66
Antelope Creek	PP538	C2-585	C2-584	1210.40	1209.06	161.00	1.50	0.01	0.00	0.00	5.82	6.49	0.42	-9E+99	5.42	9.58	0.91	0.60
Antelope Creek	PP539	C2-584	C2-582	1209.06	1204.70	276.00	1.50	0.02	0.00	0.00	7.22	6.49	0.38	-9E+99	7.47	13.20	0.92	0.62
Antelope Creek	PP540	C2-582	C2-581	1204.70	1203.16	123.00	1.50	0.01	0.00	0.00	5.61	6.49	0.42	-9E+99	6.65	11.75	1.68	1.12
Antelope Creek	PP541	C2-581	C2-580	1203.16	1201.81	500.00	1.50	0.00	0.00	0.00	3.63	6.49	0.45	-9E+99	3.09	5.46	1.68	1.12
Antelope Creek	PP744	C2-580	C3-578	1201.80	1198.10	45.00	1.50	0.08	0.00	0.00	13.81	11.03	0.34	-9E+99	17.04	30.12	1.35	0.90
Antelope Creek	PP611	D3-543	C3-578	1203.64	1198.14	500.00	2.50	0.01	0.00	0.00	2.78	1.73	0.26	-9E+99	8.76	43.02	1.31	0.52
Antelope Creek	PP612	C3-578	C3-444	1198.14	1195.50	644.30	3.00	0.00	0.00	0.00	5.65	16.64	0.68	-9E+99	6.04	42.69	1.31	0.44
Antelope Creek	PP613	C3-444	C3-450	1195.50	1193.69	424.62	3.00	0.00	0.00	0.00	5.73	16.64	0.68	-9E+99	6.16	43.55	1.30	0.43
Antelope Creek	PP614	C3-450	C3-461	1193.69	1192.02	408.67	3.00	0.00	0.00	0.00	5.66	16.64	0.68	-9E+99	6.03	42.64	1.30	0.43
Antelope Creek	PP615	C3-461	C3-462	1192.02	1190.79	299.23	3.00	0.00	0.00	0.00	5.67	16.64	0.68	-9E+99	6.05	42.76	1.30	0.43
Antelope Creek	PP616	C3-462	C3-477	1190.79	1190.29	122.78	3.00	0.00	0.00	0.00	6.33	16.64	0.64	-9E+99	6.02	42.56	1.24	0.41
Antelope Creek	PP617	C3-477	C3-488	1190.29	1188.35	71.50	3.00	0.03	0.00	0.00	9.92	16.64	0.49	-9E+99	15.54	109.87	1.35	0.45
Antelope Creek	PP618	C3-488	C3-67	1188.35	1187.36	267.02	3.00	0.00	0.00	0.00	5.38	16.64	0.70	-9E+99	5.75	40.61	1.40	0.47
Antelope Creek	PP619	C3-67	C3-635	1187.36	1186.28	334.00	3.00	0.00	0.00	0.00	5.18	16.64	0.71	-9E+99	5.37	37.93	1.40	0.47
Antelope Creek	PP620	C3-635	C3-554	1186.28	1185.52	85.44	3.00	0.01	0.00	0.00	6.17	16.64	0.65	-9E+99	8.90	62.91	1.52	0.51
Antelope Creek	PP621	C3-554	C3-555	1185.52	1183.96	602.20	3.00	0.00	0.00	0.00	4.72	16.64	0.75	-9E+99	4.80	33.95	1.52	0.51
Antelope Creek	PP622	C3-555	C3-556	1183.96	1181.46	491.95	3.00	0.01	0.00	0.00	5.98	16.64	0.66	-9E+99	6.73	47.55	1.44	0.48
Antelope Creek	PP623	C3-556	C3-557	1181.46	1180.39	363.55	3.00	0.00	0.00	0.00	5.01	16.64	0.73	-9E+99	5.12	36.18	1.44	0.48
Antelope Creek	PP624	C3-178	C3-612	1189.00	1183.06	440.08	1.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	6.91	12.20	-0.06	0.00
Antelope Creek	PP625	C3-612	C3-557	1183.06	1180.39	225.62	1.50	0.01	0.00	0.00	0.00	0.00	0.05	-9E+99	6.47	11.43	1.17	0.00
Antelope Creek	PP626	C3-557	C3-558	1180.39	1179.09	265.67	3.50	0.00	0.00	0.00	5.80	16.64	0.66	-9E+99	7.32	70.38	1.32	0.38
Antelope Creek	PP627	C3-558	C3-559	1179.09	1177.88	403.48	3.50	0.00	0.00	0.00	5.01	16.64	0.72	-9E+99	5.73	55.10	1.32	0.38
Antelope Creek	PP628	C3-559	C3-560	1177.88	1176.70	393.30	3.50	0.00	0.00	0.00	5.00	16.64	0.72	-9E+99	5.73	55.11	1.33	0.38
Antelope Creek	PP629	C3-560	C3-561	1176.70	1175.31	464.40	3.50	0.00	0.00	0.00	4.88	16.64	0.73	-9E+99	5.72	55.04	1.49	0.43
Antelope Creek	PP630	C3-561	C3-562	1175.31	1173.86	434.00	3.50	0.00	0.00	0.00	5.52	21.69	0.79	-9E+99	6.04	58.15	1.58	0.45
Antelope Creek	PP631	C3-562	C3-563	1173.86	1172.62	434.00	3.50	0.00	0.00	0.00	5.04	21.69	0.83	-9E+99	5.59	53.78	1.81	0.52
Antelope Creek	PP632	C3-563	C3-564	1172.62	1171.96	434.00	3.50	0.00	0.00	0.00	4.41	21.69	0.88	-9E+99	4.08	39.23	1.81	0.52
Antelope Creek	PP633	C3-564	C3-565	1171.96	1171.30	213.00	3.50	0.00	0.00	0.00	5.40	21.69	0.80	-9E+99	5.82	56.00	1.55	0.44
Antelope Creek	PP634	C3-565	C3-536	1171.30	1169.88	482.00	3.50	0.00	0.00	0.00	5.24	21.69	0.81	-9E+99	5.68	54.61	1.67	0.48
Antelope Creek	PP635	C3-536	C3-567	1169.88	1168.95	418.00	3.50	0.00	0.00	0.00	4.76	21.69	0.85	-9E+99	4.93	47.46	1.72	0.49
Antelope Creek	PP636	C3-567	C3-568	1168.95	1167.80	570.00	3.50	0.00	0.00	0.00	4.66	21.69	0.86	-9E+99	4.70	45.19	1.72	0.49
Antelope Creek	PP637	C3-568	C3-569	1167.80	1166.69	451.00	3.50	0.00	0.00	0.00	5.01	21.69	0.83	-9E+99	5.19	49.91	1.62	0.46
Antelope Creek	PP638	C3-569	C3-570	1166.69	1165.53	391.00	3.50	0.00	0.00	0.00	5.17	21.69	0.81	-9E+99	5.70	54.80	1.73	0.49
Antelope Creek	PP639	C3-570	C3-571	1165.53	1164.24	548.00	3.50	0.00	0.00	0.00	4.44	21.69	0.88	-9E+99	5.07	48.81	2.16	0.62
Antelope Creek	PP640	C3-624	C3-380	1170.19	1168.81	385.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.56	6.29	-0.01	0.00
Antelope Creek	PP641	C3-380	C3-378	1168.81	1168.29	145.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.56	6.29	-0.09	0.00
Antelope Creek	PP642	C3-378	C3-571	1168.29	1164.24	32.00	1.75	0.13	0.00	0.00	0.00	0.00	0.06	-9E+99	23.44	56.37	2.16	0.00
Antelope Creek	PP643	C3-571	C3-572	1164.24	1164.24	367.00	3.50	0.00	0.00	0.00	3.59	21.69	0.97	-9E+99	0.33	3.18	2.16	0.62
Antelope Creek	PP644	C3-572	C3-573	1164.24	1163.32	361.00	3.50	0.00	0.00	0.00	5.11	21.69	0.82	-9E+99	5.28	50.79	1.61	0.46
Antelope Creek	PP645	C3-573	C4-516	1163.32	1161.03	322.00	3.50	0.01	0.00	0.00	7.28	21.69	0.67	-9E+99	8.82	84.85	1.29	0.37
Antelope Creek	PP646	C4-516	C4-511	1161.03	1159.10	320.00	3.50	0.01	0.00	0.00	6.55	21.69	0.71	-9E+99	8.12	78.13	1.57	0.45

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Antelope Creek	PP647	C4-511	C4-512	1159.10	1158.05	350.00	3.50	0.00	0.00	0.00	5.08	21.69	0.82	-9E+99	5.73	55.11	1.81	0.52
Antelope Creek	PP648	C4-512	C4-513	1158.05	1157.00	350.00	3.50	0.00	0.00	0.00	5.80	29.21	0.89	-9E+99	5.73	55.11	1.82	0.52
Antelope Creek	PP649	C4-513	C4-514	1157.00	1155.74	420.00	3.50	0.00	0.00	0.00	5.78	29.21	0.90	-9E+99	5.73	55.11	1.84	0.53
Antelope Creek	PP650	C4-514	C4-570	1155.74	1154.49	437.13	3.50	0.00	0.00	0.00	5.71	29.21	0.90	-9E+99	5.59	53.80	1.84	0.53
Antelope Creek	PP651	C4-570	C4-569	1154.49	1153.51	304.69	3.50	0.00	0.00	0.00	5.85	29.21	0.89	-9E+99	5.93	57.06	1.87	0.54
Antelope Creek	PP652	C4-569	B4-572	1153.51	1152.94	216.00	3.50	0.00	0.00	0.00	5.59	29.21	0.91	-9E+99	5.37	51.68	1.87	0.54
Antelope Creek	PP653	B4-572	B4-571	1152.94	1152.25	229.00	3.50	0.00	0.00	0.00	5.72	29.21	0.90	-9E+99	5.74	55.23	1.87	0.54
Antelope Creek	PP654	B4-571	B4-570	1152.25	1151.39	322.00	3.50	0.00	0.00	0.00	5.59	29.21	0.91	-9E+99	5.40	51.99	1.87	0.54
Antelope Creek	PP655	B4-570	B4-569	1151.39	1150.02	423.00	3.50	0.00	0.00	0.00	5.65	29.21	0.91	-9E+99	5.95	57.26	2.12	0.61
Antelope Creek	PP656	B4-569	B4-568	1150.02	1149.47	382.00	3.50	0.00	0.00	0.00	4.93	29.21	0.96	-9E+99	3.97	38.18	2.12	0.61
Antelope Creek	PP657	B4-568	B4-567	1149.47	1146.03	290.00	3.50	0.01	0.00	0.00	8.69	29.21	0.71	-9E+99	11.39	109.58	2.06	0.59
Antelope Creek	PP658	B4-567	B4-566	1146.03	1145.29	493.00	4.00	0.00	0.00	0.00	4.48	29.21	1.02	-9E+99	4.43	55.65	2.06	0.52
Antelope Creek	PP659	B4-ADD	B4-302	1153.25	1151.16	436.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.56	10.97	-0.06	0.00
Antelope Creek	PP660	B4-302	B4-584	1151.16	1150.74	254.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.68	6.44	-0.04	0.00
Antelope Creek	PP661	B4-584	B4-587	1150.74	1150.74	76.75	1.75	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.21	0.50	-0.04	0.00
Antelope Creek	PP662	B4-587	B4-586	1150.74	1150.08	95.48	1.75	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.48	13.17	-0.08	0.00
Antelope Creek	PP663	B4-586	B4-359	1150.08	1150.09	17.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.60	3.84	-0.08	0.00
Antelope Creek	PP664	B4-359	B4-566	1150.09	1145.29	96.00	0.67	0.05	0.00	0.00	0.00	0.00	0.02	-9E+99	7.77	2.74	2.06	0.00
Antelope Creek	PP665	B4-566	B4-565	1145.29	1145.08	142.00	4.00	0.00	0.00	0.00	4.47	29.21	1.02	-9E+99	4.40	55.24	2.06	0.52
Antelope Creek	PP666	B4-565	B4-576	1145.08	1144.64	292.94	4.00	0.00	0.00	0.00	4.48	29.21	1.02	-9E+99	4.43	55.67	2.06	0.52
Antelope Creek	PP667	B4-576	B4-547	1144.64	1144.03	405.99	4.00	0.00	0.00	0.00	4.48	29.21	1.02	-9E+99	4.43	55.68	2.06	0.52
Antelope Creek	PP668	B4-547	B4-544	1144.03	1143.31	485.73	4.00	0.00	0.00	0.00	4.47	29.21	1.02	-9E+99	4.40	55.30	2.06	0.52
Antelope Creek	PP669	B4-544	B4-527	1143.31	1143.06	191.00	4.00	0.00	0.00	0.00	4.52	29.21	1.01	-9E+99	4.14	51.97	2.05	0.51
Antelope Creek	PP670	B4-527	B4-487	1143.06	1142.77	191.00	4.00	0.00	0.00	0.00	4.74	29.21	0.99	-9E+99	4.45	55.97	1.98	0.50
Antelope Creek	PP671	B4-487	B4-486	1142.77	1142.51	166.00	4.00	0.00	-0.67	-0.45	5.00	29.21	0.96	-9E+99	4.52	56.85	1.90	0.48
Antelope Creek	PP672	B4-486	B4-687	1142.51	1142.60	26.00	3.50	0.00	-3.48	-14.53	3.72	17.88	0.87	-9E+99	6.15	59.19	1.73	0.49
Antelope Creek	PP673	B4-486	B4-12	1142.51	1142.38	60.32	3.00	0.00	0.00	0.00	3.42	14.84	0.83	-9E+99	4.38	30.96	1.84	0.61
Antelope Creek	PP674	B4-687	B4-686	1142.60	1142.51	59.00	3.50	0.00	0.00	0.00	4.05	17.88	0.84	-9E+99	4.08	39.29	1.64	0.47
Antelope Creek	PP675	B4-686	B4-685	1142.51	1141.92	363.00	3.50	0.00	0.00	0.00	4.06	17.88	0.84	-9E+99	4.22	40.56	1.64	0.47
Antelope Creek	PP676	B4-685	B4-684	1141.92	1141.34	361.00	3.50	0.00	0.00	0.00	4.02	17.88	0.84	-9E+99	4.19	40.33	1.67	0.48
Antelope Creek	PP677	B4-684	B5-528	1141.34	1141.15	125.00	3.50	0.00	0.00	0.00	3.95	17.88	0.85	-9E+99	4.08	39.22	1.67	0.48
Antelope Creek	PP678	B5-528	B5-527	1141.15	1140.72	269.00	3.50	0.00	0.00	0.00	3.93	17.88	0.85	-9E+99	4.18	40.23	1.72	0.49
Antelope Creek	PP679	B5-527	B5-526	1140.72	1140.63	55.00	3.50	0.00	0.00	0.00	3.79	17.88	0.87	-9E+99	4.23	40.70	1.74	0.50
Antelope Creek	PP680	B5-526	B5-524	1140.63	1140.43	127.00	3.50	0.00	0.00	0.00	3.72	17.88	0.87	-9E+99	4.15	39.93	1.79	0.51
Antelope Creek	PP681	B5-524	B5-522	1140.43	1139.78	400.00	3.50	0.00	0.00	0.00	3.54	17.88	0.89	-9E+99	4.22	40.56	2.05	0.59
Antelope Creek	PP739	B5-522	B5-520	1139.78	1139.04	400.00	3.50	0.00	0.00	0.00	5.06	29.09	0.95	-9E+99	4.50	43.27	2.05	0.59
Antelope Creek	L797	B5-520	B5-139	1139.04	1138.84	175.00	4.00	0.00	0.00	0.00	6.31	32.72	0.90	-9E+99	3.86	48.56	1.79	0.45
Antelope Creek	PP682	B4-12	B4-688	1142.38	1142.29	81.29	3.00	0.00	0.00	0.00	3.27	14.84	0.84	-9E+99	3.14	22.19	1.85	0.62
Antelope Creek	PP683	B4-688	B4-6	1142.29	1141.94	338.86	3.00	0.00	0.00	0.00	3.25	14.84	0.84	-9E+99	3.03	21.44	1.85	0.62
Antelope Creek	PP684	B4-6	B4-7	1141.94	1141.91	30.00	3.00	0.00	0.00	0.00	3.24	14.84	0.84	-9E+99	2.98	21.09	1.85	0.62
Antelope Creek	PP685	B4-7	B5-531	1141.91	1141.66	348.00	3.00	0.00	0.00	0.00	3.28	14.84	0.84	-9E+99	2.53	17.88	1.85	0.62
Antelope Creek	PP686	B4-650	B4-536	1148.12	1147.88	153.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.35	4.16	-0.08	0.00
Antelope Creek	PP687	B4-536	B4-5	1147.88	1147.21	221.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.27	5.78	-0.01	0.00
Antelope Creek	PP688	B4-5	B5-533	1147.21	1146.07	211.51	1.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	4.36	7.71	-0.07	0.00
Antelope Creek	PP689	B5-533	B5-532	1146.07	1146.22	21.00	1.50	-0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.02	8.88	-0.07	0.00
Antelope Creek	PP690	B5-532	B5-531	1146.22	1141.66	86.39	1.50	0.05	0.00	0.00	0.00	0.00	0.05	-9E+99	13.66	24.13	1.69	0.00
Antelope Creek	PP691	B5-531	B5-88	1141.66	1140.96	573.92	3.00	0.00	0.00	0.00	3.75	14.84	0.79	-9E+99	3.30	23.29	1.69	0.56
Antelope Creek	PP692	B5-88	B5-522	1140.96	1139.78	8.83	3.00	0.13	0.00	0.00	8.63	11.22	0.54	-9E+99	34.49	243.82	2.05	0.68
Antelope Creek	L795	B5-88	B5-520	1140.96	1140.71	399.05	3.00	0.00	0.00	0.00	2.16	3.63	0.49	-9E+99	2.36	16.69	0.89	0.30

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Antelope Creek	PP698	B5-517	B5-516	1136.47	1135.72	348.00	3.50	0.00	0.00	0.00	5.47	32.72	0.97	-9E+99	4.85	46.71	2.11	0.60
Antelope Creek	PP699	B5-516	B5-515	1135.72	1134.41	348.00	3.50	0.00	0.00	0.00	6.01	32.72	0.93	-9E+99	6.42	61.73	2.27	0.65
Antelope Creek	PP700	B5-515	B5-626	1134.41	1133.77	361.00	3.50	0.00	0.00	0.00	4.97	32.72	1.01	-9E+99	4.40	42.36	2.27	0.65
Antelope Creek	PP701	B5-626	B5-500	1133.77	1133.05	192.00	3.50	0.00	0.00	0.00	5.03	32.72	1.00	-9E+99	6.40	61.61	2.67	0.76
Antelope Creek	PP702	B5-500	B5-498	1133.05	1132.94	216.00	3.50	0.00	0.00	0.00	4.20	32.74	1.06	-9E+99	2.36	22.70	2.67	0.76
Antelope Creek	PP703	B5-498	B5-496	1132.94	1132.38	289.50	3.50	0.00	0.00	0.00	4.50	32.73	1.04	-9E+99	4.60	44.25	2.63	0.75
Antelope Creek	PP704	B5-496	B5-495	1132.38	1131.98	316.44	3.50	0.00	0.00	0.00	4.23	32.73	1.06	-9E+99	3.72	35.77	2.63	0.75
Antelope Creek	PP705	B5-495	B5-494	1131.98	1131.58	316.44	3.50	0.00	0.00	0.00	4.23	32.73	1.06	-9E+99	3.72	35.77	2.63	0.75
Antelope Creek	PP706	B5-494	B5-508	1131.58	1131.46	90.00	3.50	0.00	0.00	0.00	4.24	32.73	1.05	-9E+99	3.82	36.74	2.63	0.75
Antelope Creek	PP707	B5-508	B5-493	1131.46	1131.14	253.00	3.50	0.00	0.00	0.00	4.23	32.73	1.06	-9E+99	3.72	35.78	2.63	0.75
Antelope Creek	PP708	B5-493	B5-492	1131.15	1130.72	329.00	3.50	0.00	0.00	0.00	4.24	32.73	1.05	-9E+99	3.76	36.20	2.62	0.75
Antelope Creek	PP709	B5-492	B5-491	1130.72	1130.27	344.00	3.50	0.00	0.00	0.00	4.24	32.73	1.05	-9E+99	3.78	36.39	2.63	0.75
Antelope Creek	PP710	B5-491	B5-490	1130.27	1129.87	325.00	3.50	0.00	0.00	0.00	4.22	32.73	1.06	-9E+99	3.67	35.30	2.63	0.75
Antelope Creek	PP711	B5-490	B5-489	1129.87	1129.32	427.16	3.50	0.00	0.00	0.00	4.24	32.73	1.05	-9E+99	3.75	36.10	2.62	0.75
Antelope Creek	PP712	B5-489	B5-488	1129.32	1128.79	411.00	3.50	0.00	0.00	0.00	4.24	32.73	1.05	-9E+99	3.76	36.13	2.62	0.75
Antelope Creek	PP713	B5-488	B5-487	1128.79	1128.44	269.71	3.50	0.00	0.00	0.00	4.23	32.73	1.06	-9E+99	3.77	36.24	2.63	0.75
Antelope Creek	PP714	B5-487	B5-486	1128.44	1128.07	296.35	3.50	0.00	0.00	0.00	4.22	32.73	1.06	-9E+99	3.69	35.55	2.63	0.75
Antelope Creek	PP715	B5-486	B5-485	1128.07	1127.72	261.05	3.50	0.00	0.00	0.00	4.23	32.73	1.05	-9E+99	3.83	36.84	2.64	0.75
Antelope Creek	PP737	B5-637	B5-638	1130.19	1129.98	231.00	3.00	0.00	0.00	0.00	1.60	1.15	0.29	-9E+99	2.85	20.11	0.48	0.16
Antelope Creek	PP738	B5-638	B5-639	1129.98	1129.70	142.00	3.00	0.00	0.00	0.00	2.02	1.15	0.25	-9E+99	4.19	29.62	0.40	0.13
Antelope Creek	PP718	B5-139	B5-17	1141.32	1139.61	258.00	3.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	7.68	54.30	-0.01	0.00
Antelope Creek	L799	B5-139	B5-139-2	1138.84	1137.70	70.00	4.00	0.02	0.00	0.00	10.87	32.72	0.66	-9E+99	14.59	183.31	1.20	0.30
Antelope Creek	PP719	B5-17	B5-148	1139.61	1139.45	174.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.86	20.23	-0.05	0.00
Antelope Creek	PP720	B5-148	B5-620	1139.45	1139.30	137.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.12	22.07	0.00	0.00
Antelope Creek	PP721	B5-620	B5-621	1139.30	1139.13	192.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.81	19.85	-0.03	0.00
Antelope Creek	PP722	B5-621	B5-622	1139.13	1138.70	468.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.86	20.22	0.00	0.00
Antelope Creek	PP723	B5-622	B5-623	1138.70	1138.29	468.26	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.79	19.74	-0.09	0.00
Antelope Creek	PP724	B5-623	B5-211	1138.29	1137.14	398.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.07	35.85	-0.04	0.00
Antelope Creek	PP725	B5-211	B5-212	1137.14	1136.28	398.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.39	31.00	-0.08	0.00
Antelope Creek	PP726	B5-212	B5-237	1136.28	1135.40	512.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.91	27.65	0.00	0.00
Antelope Creek	PP727	B5-237	B5-236	1135.40	1134.54	317.70	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.91	34.70	-0.04	0.00
Antelope Creek	PP728	B5-236	B5-267	1134.54	1134.10	208.20	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.34	30.66	0.00	0.00
Antelope Creek	PP729	B5-267	B5-291	1134.10	1133.70	208.20	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.14	29.24	0.00	0.00
Antelope Creek	PP730	B5-291	B5-289	1133.70	1132.79	413.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.43	31.31	-0.09	0.00
Antelope Creek	PP731	B5-289	B5-287	1132.79	1132.60	94.90	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.22	29.84	0.00	0.00
Antelope Creek	PP732	B5-287	B5-547	1132.60	1131.98	324.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.13	29.18	-0.08	0.00
Antelope Creek	PP733	B5-547	B5-317	1131.98	1131.64	111.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.22	36.91	-0.04	0.00
Antelope Creek	PP734	B5-317	B5-634	1131.64	1131.04	93.40	3.00	0.01	0.00	0.00	0.00	0.00	0.01	-9E+99	7.56	53.46	0.01	0.00
Antelope Creek	PP735	B5-634	B5-635	1131.04	1130.57	193.00	3.00	0.00	0.00	0.00	0.01	0.00	0.27	-9E+99	4.66	32.91	0.48	0.16
Antelope Creek	PP736	B5-635	B5-637	1130.57	1130.19	409.00	3.00	0.00	0.00	0.00	1.55	1.15	0.30	-9E+99	2.88	20.33	0.48	0.16
Beals & Salt Valley	PP1	D0-168	D0-167	1247.85	1246.31	476.00	2.25	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.43	17.62	0.00	0.00
Beals & Salt Valley	PP2	D0-167	D0-166	1246.31	1244.84	451.00	2.25	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.45	17.68	0.00	0.00
Beals & Salt Valley	PP3	D0-166	D0-165	1244.84	1243.40	444.00	2.25	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.44	17.64	0.00	0.00
Beals & Salt Valley	PP4	D0-165	D0-164	1243.40	1242.10	400.00	2.25	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.44	17.66	0.00	0.00
Beals & Salt Valley	PP5	D0-164	D0-150	1242.10	1241.30	170.00	2.25	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.34	21.25	0.00	0.00
Beals & Salt Valley	PP6	D0-150	D0-149	1241.30	1239.47	610.00	2.25	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.27	16.96	0.00	0.00
Beals & Salt Valley	PP7	D0-149	D0-148	1239.47	1239.67	600.00	2.25	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.42	5.65	0.00	0.00
Beals & Salt Valley	PP8	D0-148	D0-60	1239.67	1231.14	440.00	2.25	0.02	0.00	0.00	0.00	0.00	0.00	-9E+99	10.85	43.12	0.00	0.00
Beals & Salt Valley	PP9	D0-60	D0-61	1231.14	1228.60	400.00	2.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	6.66	32.69	0.00	0.00

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP10	D0-61	D0-62	1228.60	1226.31	383.00	2.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	6.46	31.72	0.00	0.00
Beals & Salt Valley	PP11	D0-62	C0-124	1226.31	1225.39	517.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.52	17.30	0.00	0.00
Beals & Salt Valley	PP12	C0-124	C0-123	1225.39	1222.25	331.00	2.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	8.14	39.95	0.00	0.00
Beals & Salt Valley	PP13	C0-123	C0-122	1222.25	1220.83	280.00	2.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.95	29.21	0.00	0.00
Beals & Salt Valley	PP14	C0-122	C0-121	1220.83	1219.16	500.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.83	23.70	0.00	0.00
Beals & Salt Valley	PP15	C0-121	C0-120	1219.16	1217.17	502.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.26	25.82	0.00	0.00
Beals & Salt Valley	PP16	C0-120	C0-119	1217.17	1216.04	285.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.26	25.83	0.00	0.00
Beals & Salt Valley	PP17	C0-119	C1-564	1216.04	1215.20	263.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.72	23.18	0.00	0.00
Beals & Salt Valley	PP18	C1-564	C1-2	1215.20	1214.97	58.20	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.25	25.79	0.00	0.00
Beals & Salt Valley	PP19	C1-564	C1-565	1215.20	1212.34	375.00	2.00	0.01	0.00	0.00	0.00	0.00	0.06	-9E+99	6.29	19.76	1.15	0.00
Beals & Salt Valley	PP20	C1-2	C1-3	1214.97	1213.46	280.00	1.50	0.01	0.00	0.00	0.00	0.00	0.05	-9E+99	4.37	7.71	0.91	0.00
Beals & Salt Valley	PP22	C1-3	C1-565	1213.46	1212.34	83.00	1.75	0.01	0.00	0.00	6.92	8.97	0.45	-9E+99	7.65	18.41	1.15	0.66
Beals & Salt Valley	PP23	C1-12	C1-13	1211.57	1209.51	457.13	1.75	0.00	0.00	0.00	4.43	5.35	0.44	-9E+99	4.42	10.64	0.88	0.50
Beals & Salt Valley	PP24	C1-13	C1-14	1209.51	1207.47	453.00	1.75	0.00	0.00	0.00	4.35	5.35	0.44	-9E+99	4.42	10.63	0.99	0.57
Beals & Salt Valley	PP25	C1-14	C1-15	1207.47	1205.85	456.00	2.00	0.00	0.00	0.00	4.24	6.65	0.50	-9E+99	4.29	13.48	1.04	0.52
Beals & Salt Valley	PP26	C1-15	C1-16	1205.85	1204.52	444.00	2.00	0.00	0.00	0.00	4.01	6.65	0.51	-9E+99	3.94	12.38	1.05	0.52
Beals & Salt Valley	PP27	C1-16	C1-17	1204.52	1203.21	439.00	2.00	0.00	0.00	0.00	3.97	6.65	0.52	-9E+99	3.93	12.36	1.09	0.55
Beals & Salt Valley	PP28	C1-17	C1-19	1203.21	1202.22	330.00	2.00	0.00	0.00	0.00	4.03	7.09	0.53	-9E+99	3.94	12.39	1.13	0.56
Beals & Salt Valley	PP29	C1-19	C1-36	1202.22	1200.92	431.72	2.00	0.00	0.00	0.00	4.14	7.55	0.54	-9E+99	3.95	12.41	1.13	0.56
Beals & Salt Valley	PP30	C1-36	C1-37	1200.92	1199.57	449.00	2.00	0.00	0.00	0.00	4.14	7.55	0.54	-9E+99	3.95	12.40	1.13	0.56
Beals & Salt Valley	PP31	C1-37	C1-38	1199.57	1198.22	451.00	2.00	0.00	0.00	0.00	4.13	7.55	0.54	-9E+99	3.94	12.38	1.13	0.56
Beals & Salt Valley	PP32	C1-38	C1-39	1198.22	1196.87	450.00	2.00	0.00	0.00	0.00	4.14	7.55	0.54	-9E+99	3.94	12.39	1.13	0.56
Beals & Salt Valley	PP33	C1-39	C1-40	1196.87	1195.51	452.00	2.00	0.00	0.00	0.00	4.13	7.55	0.54	-9E+99	3.95	12.41	1.14	0.57
Beals & Salt Valley	PP34	C1-40	C1-41	1195.51	1194.57	315.00	2.00	0.00	0.00	0.00	4.09	7.55	0.54	-9E+99	3.93	12.36	1.17	0.59
Beals & Salt Valley	PP35	C1-41	C1-42	1194.57	1194.16	158.00	2.00	0.00	0.00	0.00	3.98	7.55	0.55	-9E+99	3.67	11.52	1.17	0.59
Beals & Salt Valley	PP36	C1-42	C1-43	1194.16	1192.58	525.00	2.00	0.00	0.00	0.00	4.14	7.55	0.54	-9E+99	3.95	12.41	1.13	0.57
Beals & Salt Valley	PP37	C1-43	C1-44	1192.58	1191.11	488.99	2.00	0.00	0.00	0.00	4.08	7.55	0.54	-9E+99	3.95	12.40	1.22	0.61
Beals & Salt Valley	PP38	C1-44	C1-92	1191.11	1189.86	417.40	2.00	0.00	0.00	0.00	4.24	8.46	0.56	-9E+99	3.94	12.38	1.22	0.61
Beals & Salt Valley	PP39	C1-92	C1-99	1189.86	1188.38	494.61	2.00	0.00	0.00	0.00	4.20	8.46	0.56	-9E+99	3.94	12.37	1.27	0.63
Beals & Salt Valley	PP40	C1-99	C1-101	1188.38	1186.49	540.00	2.00	0.00	0.00	0.00	4.57	9.68	0.57	-9E+99	4.26	13.38	1.37	0.69
Beals & Salt Valley	PP41	C1-101	C1-186	1186.49	1185.42	358.00	2.00	0.00	0.00	0.00	4.42	10.00	0.58	-9E+99	3.94	12.37	1.37	0.69
Beals & Salt Valley	PP42	C1-186	C1-188	1185.42	1183.70	490.00	2.25	0.00	0.00	0.00	4.63	10.00	0.59	-9E+99	4.61	18.35	1.32	0.58
Beals & Salt Valley	PP43	C1-188	C1-190	1183.70	1182.31	413.00	2.25	0.00	0.00	0.00	4.60	10.65	0.60	-9E+99	4.52	17.97	1.32	0.58
Beals & Salt Valley	PP44	C1-190	C1-191	1182.31	1181.11	102.00	2.25	0.01	0.00	0.00	7.21	10.65	0.48	-9E+99	8.45	33.59	1.01	0.45
Beals & Salt Valley	PP45	C1-191	C1-193	1181.11	1179.64	189.00	2.25	0.01	0.00	0.00	6.00	10.65	0.53	-9E+99	6.87	27.31	1.26	0.56
Beals & Salt Valley	PP46	C1-193	C1-195	1179.64	1177.91	509.00	2.25	0.00	0.00	0.00	4.70	10.85	0.60	-9E+99	4.54	18.06	1.32	0.59
Beals & Salt Valley	PP47	C1-195	C1-197	1177.91	1176.21	500.00	2.25	0.00	0.00	0.00	4.61	10.85	0.61	-9E+99	4.54	18.06	1.32	0.59
Beals & Salt Valley	PP48	C1-197	C1-569	1176.21	1174.16	252.65	2.25	0.01	0.00	0.00	6.19	10.85	0.53	-9E+99	7.02	27.90	1.29	0.57
Beals & Salt Valley	PP49	D0-168-2	D0-167-2	1247.85	1246.31	476.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.10	12.87	0.00	0.00
Beals & Salt Valley	L804	D0-168-2	D0-168	1247.85	1247.85	20.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.23	0.72	0.00	0.00
Beals & Salt Valley	PP50	D0-167-2	D0-166-2	1246.31	1244.84	451.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.11	12.92	0.00	0.00
Beals & Salt Valley	PP51	D0-166-2	D0-165-2	1244.84	1243.40	444.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.10	12.88	0.00	0.00
Beals & Salt Valley	PP52	D0-165-2	D0-164-2	1243.40	1242.10	400.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.11	12.90	0.00	0.00
Beals & Salt Valley	PP53	D0-164-2	D0-150-2	1242.10	1241.30	170.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.94	15.52	0.00	0.00
Beals & Salt Valley	PP54	D0-150-2	D0-149-2	1241.30	1239.47	610.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.94	12.39	0.00	0.00
Beals & Salt Valley	PP55	D0-149-2	D0-148-2	1239.47	1239.67	600.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.31	4.13	0.00	0.00
Beals & Salt Valley	PP56	D0-148-2	D0-60-2	1239.67	1231.14	440.00	2.00	0.02	0.00	0.00	0.00	0.00	0.00	-9E+99	10.03	31.50	0.00	0.00
Beals & Salt Valley	PP57	D0-60-2	D0-61-2	1231.14	1228.60	400.00	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.74	18.03	0.00	0.00
Beals & Salt Valley	PP58	D0-61-2	D0-62-2	1228.60	1226.31	383.00	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.57	17.49	0.00	0.00

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP59	D0-62-2	C0-124-2	1226.31	1225.39	517.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.04	9.54	0.00	0.00
Beals & Salt Valley	PP60	C0-124-2	C0-123-2	1225.39	1222.25	331.00	2.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	8.14	39.95	0.00	0.00
Beals & Salt Valley	PP61	C0-123-2	C0-122-2	1222.25	1220.83	280.00	2.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.95	29.21	0.00	0.00
Beals & Salt Valley	PP62	C0-122-2	C0-121-2	1220.83	1219.16	500.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.83	23.70	0.00	0.00
Beals & Salt Valley	PP63	C0-121-2	C0-120-2	1219.16	1217.17	502.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.26	25.82	0.00	0.00
Beals & Salt Valley	PP64	C0-120-2	C0-119-2	1217.17	1216.23	285.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.80	23.56	0.00	0.00
Beals & Salt Valley	PP65	C0-119-2	C1-564-2	1216.23	1215.20	205.21	2.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.92	29.06	0.00	0.00
Beals & Salt Valley	PP66	C1-564-2	C1-565-2	1215.20	1212.34	329.97	2.00	0.01	0.00	0.00	0.00	0.00	0.06	-9E+99	6.70	21.06	1.12	0.00
Beals & Salt Valley	PP67	C1-565-2	C1-12-2	1212.34	1211.57	319.83	2.00	0.00	0.00	0.00	3.71	6.52	0.53	-9E+99	3.53	11.10	1.12	0.56
Beals & Salt Valley	L758	C1-565-2	C1-565	1212.34	1212.34	20.00	1.50	0.00	-1.71	-1.33	-1.71	-3.62	0.45	-9E+99	0.19	0.33	1.15	0.77
Beals & Salt Valley	PP68	C1-12-2	C1-13-2	1211.57	1209.51	451.39	2.00	0.00	0.00	0.00	4.66	6.52	0.47	-9E+99	4.86	15.28	0.92	0.46
Beals & Salt Valley	PP69	C1-13-2	C1-14-2	1209.51	1207.47	465.23	2.00	0.00	0.00	0.00	4.56	6.52	0.48	-9E+99	4.77	14.98	0.98	0.49
Beals & Salt Valley	PP70	C1-14-2	C1-15-2	1207.47	1205.85	458.00	2.00	0.00	0.00	0.00	4.22	6.52	0.50	-9E+99	4.28	13.45	1.03	0.52
Beals & Salt Valley	PP71	C1-15-2	C1-16-2	1205.85	1204.52	445.70	2.00	0.00	0.00	0.00	3.98	6.52	0.51	-9E+99	3.93	12.36	1.03	0.52
Beals & Salt Valley	PP72	C1-16-2	C1-17-2	1204.52	1203.21	431.67	2.00	0.00	0.00	0.00	3.96	6.52	0.51	-9E+99	3.97	12.46	1.09	0.55
Beals & Salt Valley	PP73	C1-17-2	C1-19-2	1203.21	1202.22	322.50	2.00	0.00	0.00	0.00	4.11	7.21	0.53	-9E+99	3.99	12.53	1.10	0.55
Beals & Salt Valley	L760	C1-17-2	C1-17	1203.21	1203.21	20.00	1.75	0.00	0.15	-0.11	1.58	0.43	0.49	-9E+99	0.21	0.50	1.09	0.62
Beals & Salt Valley	PP74	C1-19-2	C1-36-2	1202.22	1200.92	438.25	2.00	0.00	0.00	0.00	4.07	7.21	0.53	-9E+99	3.92	12.32	1.10	0.55
Beals & Salt Valley	PP75	C1-36-2	C1-37-2	1200.92	1199.57	435.56	2.00	0.00	0.00	0.00	4.13	7.21	0.53	-9E+99	4.01	12.59	1.10	0.55
Beals & Salt Valley	PP76	C1-37-2	C1-38-2	1199.57	1198.22	451.79	2.00	0.00	0.00	0.00	4.08	7.21	0.53	-9E+99	3.94	12.37	1.10	0.55
Beals & Salt Valley	PP77	C1-38-2	C1-39-2	1198.22	1196.87	446.88	2.00	0.00	0.00	0.00	4.09	7.21	0.53	-9E+99	3.96	12.43	1.10	0.55
Beals & Salt Valley	PP78	C1-39-2	C1-40-2	1196.87	1195.51	459.78	2.00	0.00	0.00	0.00	4.06	7.21	0.53	-9E+99	3.92	12.30	1.10	0.55
Beals & Salt Valley	PP79	C1-40-2	C1-41-2	1195.51	1194.57	307.66	2.00	0.00	0.00	0.00	4.09	7.21	0.53	-9E+99	3.98	12.50	1.12	0.56
Beals & Salt Valley	PP80	C1-41-2	C1-42-2	1194.57	1194.16	137.00	2.00	0.00	0.00	0.00	3.98	7.21	0.54	-9E+99	3.94	12.38	1.16	0.58
Beals & Salt Valley	PP81	C1-42-2	C1-43-2	1194.16	1192.58	525.00	2.00	0.00	0.00	0.00	4.16	7.87	0.55	-9E+99	3.95	12.41	1.19	0.59
Beals & Salt Valley	PP82	C1-43-2	C1-44-2	1192.58	1191.11	488.99	2.00	0.00	0.00	0.00	4.19	8.16	0.55	-9E+99	3.95	12.40	1.22	0.61
Beals & Salt Valley	PP83	C1-44-2	C1-92-2	1191.11	1189.86	417.40	2.00	0.00	0.00	0.00	4.23	8.46	0.56	-9E+99	3.94	12.38	1.23	0.61
Beals & Salt Valley	L761	C1-44-2	C1-44	1191.11	1191.11	20.00	1.75	0.00	-0.13	-0.12	-0.13	-0.30	0.52	-9E+99	0.21	0.50	1.22	0.69
Beals & Salt Valley	PP84	C1-92-2	C1-99-2	1189.86	1188.38	494.61	2.00	0.00	0.00	0.00	4.22	8.46	0.56	-9E+99	3.94	12.37	1.23	0.61
Beals & Salt Valley	PP85	C1-99-2	C1-101-2	1188.38	1186.49	540.00	2.00	0.00	0.00	0.00	4.46	8.46	0.55	-9E+99	4.26	13.38	1.23	0.62
Beals & Salt Valley	PP86	C1-101-2	C1-186-2	1186.49	1185.42	358.00	2.00	0.00	0.00	0.00	4.24	8.46	0.56	-9E+99	3.94	12.37	1.23	0.62
Beals & Salt Valley	PP87	C1-186-2	C1-188-2	1185.42	1183.70	490.00	2.25	0.00	0.00	0.00	4.47	8.46	0.55	-9E+99	4.61	18.35	1.15	0.51
Beals & Salt Valley	PP88	C1-188-2	C1-190-2	1183.70	1182.31	413.00	2.25	0.00	0.00	0.00	4.29	8.46	0.56	-9E+99	4.52	17.97	1.15	0.51
Beals & Salt Valley	PP89	C1-190-2	C1-191-2	1182.31	1181.11	102.00	2.25	0.01	0.00	0.00	6.82	8.46	0.43	-9E+99	8.45	33.59	0.88	0.39
Beals & Salt Valley	PP90	C1-191-2	C1-193-2	1181.11	1179.64	189.00	2.25	0.01	0.00	0.00	5.72	8.46	0.48	-9E+99	6.87	27.31	1.08	0.48
Beals & Salt Valley	PP91	C1-193-2	C1-195-2	1179.64	1177.91	509.00	2.25	0.00	0.00	0.00	4.43	8.46	0.55	-9E+99	4.54	18.06	1.14	0.51
Beals & Salt Valley	PP92	C1-195-2	C1-197-2	1177.91	1176.21	500.00	2.25	0.00	0.00	0.00	4.30	8.46	0.56	-9E+99	4.54	18.06	1.14	0.51
Beals & Salt Valley	PP93	C1-197-2	C1-569-2	1176.21	1174.60	217.68	2.25	0.01	0.00	0.00	5.85	8.46	0.47	-9E+99	6.70	26.63	0.94	0.42
Beals & Salt Valley	PP94	C1-569-2	C1-569	1174.60	1174.16	38.98	2.25	0.01	0.00	0.00	5.12	8.46	0.51	-9E+99	8.28	32.90	1.29	0.57
Beals & Salt Valley	PP95	C1-569	B1-239	1174.16	1173.67	256.00	2.25	0.00	0.00	0.00	3.56	8.41	0.61	-9E+99	3.41	13.55	1.31	0.58
Beals & Salt Valley	PP96	C1-569	C1-570	1174.16	1173.83	113.19	2.25	0.00	0.00	0.00	4.65	10.89	0.61	-9E+99	4.21	16.72	1.29	0.57
Beals & Salt Valley	PP97	B1-239	B1-272	1173.67	1173.42	188.00	2.50	0.00	-0.34	-0.12	3.27	8.42	0.64	-9E+99	3.05	14.96	1.31	0.52
Beals & Salt Valley	PP98	C0-226	C0-227	1213.57	1210.07	312.30	1.75	0.01	0.00	0.00	5.73	4.31	0.34	-9E+99	6.97	16.77	0.69	0.39
Beals & Salt Valley	PP99	C0-227	C0-228	1210.07	1207.74	337.60	1.75	0.01	0.00	0.00	4.82	4.31	0.37	-9E+99	5.47	13.16	0.77	0.44
Beals & Salt Valley	PP100	C0-228	C0-229	1207.74	1206.23	327.30	1.75	0.00	0.00	0.00	4.09	4.31	0.41	-9E+99	4.47	10.76	0.97	0.56
Beals & Salt Valley	PP101	C0-229	C0-511	1206.23	1205.91	180.00	1.75	0.00	0.00	0.00	3.26	4.31	0.46	-9E+99	2.78	6.68	0.97	0.56
Beals & Salt Valley	PP102	C0-511	C0-230	1205.91	1204.29	242.00	1.75	0.01	0.00	0.00	4.76	4.31	0.38	-9E+99	5.39	12.96	0.77	0.44
Beals & Salt Valley	PP103	C0-230	C0-223	1204.29	1202.30	432.30	1.75	0.00	0.00	0.00	3.97	4.31	0.41	-9E+99	4.47	10.75	1.16	0.66
Beals & Salt Valley	PP104	C0-223	C0-222	1202.30	1201.96	274.00	1.75	0.00	0.00	0.00	2.56	4.31	0.51	-9E+99	2.32	5.58	1.16	0.66

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP105	C0-222	C0-221	1201.96	1201.44	429.00	1.75	0.00	0.00	0.00	2.55	4.31	0.51	-9E+99	2.29	5.52	1.16	0.66
Beals & Salt Valley	PP106	C0-221	C0-220	1201.44	1201.00	357.00	1.75	0.00	0.00	0.00	2.60	4.31	0.50	-9E+99	2.31	5.56	1.14	0.65
Beals & Salt Valley	PP107	C0-220	C0-96	1201.00	1200.63	335.00	1.75	0.00	0.00	0.00	2.88	4.31	0.48	-9E+99	2.19	5.27	1.10	0.63
Beals & Salt Valley	PP108	C0-96	C0-97	1200.63	1193.93	375.00	1.75	0.02	0.00	0.00	6.43	4.31	0.31	-9E+99	8.81	21.18	0.81	0.46
Beals & Salt Valley	PP109	C0-97	C0-44	1193.93	1192.88	244.00	1.75	0.00	0.00	0.00	4.04	4.31	0.41	-9E+99	4.32	10.39	0.81	0.46
Beals & Salt Valley	PP110	C0-44	C0-43	1192.88	1191.97	102.00	1.75	0.01	0.00	0.00	4.40	4.31	0.39	-9E+99	6.22	14.97	1.22	0.70
Beals & Salt Valley	PP111	C0-43	C0-67	1191.97	1191.92	120.00	1.75	0.00	0.00	0.00	2.43	4.31	0.52	-9E+99	1.34	3.23	1.22	0.70
Beals & Salt Valley	PP112	C0-67	C1-539	1191.92	1192.10	188.00	2.00	0.00	-1.62	-1.68	2.52	4.31	0.52	-9E+99	2.23	7.00	0.94	0.47
Beals & Salt Valley	PP113	C1-539	C1-446	1192.10	1189.84	276.00	2.00	0.01	0.00	0.00	5.01	4.31	0.36	-9E+99	6.52	20.47	0.75	0.38
Beals & Salt Valley	PP114	C1-446	C1-445	1189.84	1188.00	460.00	2.00	0.00	0.00	0.00	3.98	4.31	0.41	-9E+99	4.55	14.31	0.75	0.38
Beals & Salt Valley	PP115	C1-445	C1-461	1188.00	1186.20	451.00	2.00	0.00	0.00	0.00	3.98	4.31	0.41	-9E+99	4.55	14.29	0.75	0.38
Beals & Salt Valley	PP116	C1-461	C1-444	1186.20	1184.50	425.00	2.00	0.00	0.00	0.00	3.95	4.31	0.41	-9E+99	4.55	14.31	0.79	0.40
Beals & Salt Valley	PP117	C1-444	C1-482	1184.50	1184.14	110.00	2.00	0.00	0.00	0.00	3.78	4.31	0.42	-9E+99	4.12	12.94	0.79	0.40
Beals & Salt Valley	PP118	C1-482	C1-412	1184.14	1182.84	227.00	2.00	0.01	0.00	0.00	4.18	4.31	0.39	-9E+99	5.45	17.12	1.07	0.54
Beals & Salt Valley	PP119	C1-412	C1-402	1182.84	1182.50	335.00	2.00	0.00	0.00	0.00	2.55	4.31	0.52	-9E+99	2.29	7.21	1.07	0.54
Beals & Salt Valley	PP120	C1-402	C1-396	1182.50	1181.49	507.50	2.00	0.00	0.00	0.00	2.87	4.31	0.49	-9E+99	3.21	10.09	1.17	0.59
Beals & Salt Valley	PP121	C1-396	C1-391	1181.49	1181.03	573.32	2.00	0.00	0.00	0.00	2.28	4.31	0.54	-9E+99	2.04	6.41	1.17	0.59
Beals & Salt Valley	PP122	C1-391	C1-382	1181.03	1180.29	575.00	2.00	0.00	0.00	0.00	2.67	4.31	0.50	-9E+99	2.58	8.12	1.06	0.53
Beals & Salt Valley	PP123	C1-382	C1-561	1180.29	1178.07	300.00	2.00	0.01	0.00	0.00	4.15	4.31	0.38	-9E+99	6.19	19.46	1.58	0.79
Beals & Salt Valley	PP124	C1-561	C1-545	1178.07	1178.67	23.00	1.50	-0.03	-0.18	-0.31	2.13	-1.18	0.42	-9E+99	9.60	16.97	1.58	1.06
Beals & Salt Valley	PP125	C1-561	C1-562	1178.07	1176.11	623.00	1.50	0.00	0.00	0.00	3.76	6.44	0.45	-9E+99	3.33	5.89	1.58	1.06
Beals & Salt Valley	PP126	C1-545	C1-544	1178.67	1178.10	243.00	1.50	0.00	0.00	0.00	3.17	3.89	0.43	-9E+99	2.88	5.09	0.98	0.66
Beals & Salt Valley	PP127	C1-544	C1-543	1178.10	1177.80	159.00	1.50	0.00	0.00	0.00	3.29	3.89	0.43	-9E+99	2.58	4.56	0.98	0.65
Beals & Salt Valley	PP128	C1-543	C1-542	1177.80	1176.80	145.00	1.50	0.01	0.00	0.00	4.76	3.89	0.36	-9E+99	4.94	8.72	0.72	0.48
Beals & Salt Valley	PP129	C1-542	B1-79	1176.80	1176.11	108.96	1.50	0.01	0.00	0.00	4.65	3.89	0.36	-9E+99	4.73	8.36	0.72	0.48
Beals & Salt Valley	PP130	B1-79	B1-80	1176.11	1173.10	395.00	1.50	0.01	0.00	0.00	4.40	3.89	0.35	-9E+99	5.19	9.17	1.55	1.03
Beals & Salt Valley	PP131	B1-80	B1-292	1173.10	1173.00	28.00	2.50	0.00	0.00	0.00	6.16	19.60	0.70	-9E+99	4.99	24.51	1.55	0.62
Beals & Salt Valley	PP132	C1-570	B1-291	1173.73	1172.97	257.00	2.25	0.00	0.00	0.00	4.51	10.89	0.62	-9E+99	4.24	16.84	1.32	0.59
Beals & Salt Valley	PP133	B1-291	B1-292	1172.87	1172.36	178.00	2.25	0.00	0.00	0.00	4.16	10.89	0.64	-9E+99	4.17	16.58	1.51	0.67
Beals & Salt Valley	PP134	B1-292	B1-82	1172.26	1171.62	526.00	2.50	0.00	0.00	0.00	3.54	11.48	0.71	-9E+99	2.91	14.31	1.61	0.65
Beals & Salt Valley	PP135	B1-292	B1-293	1172.26	1172.08	53.00	2.50	0.00	0.00	0.00	5.69	19.00	0.72	-9E+99	4.87	23.90	1.61	0.65
Beals & Salt Valley	PP136	B1-82	B1-84	1171.62	1169.41	600.00	2.50	0.00	0.00	0.00	4.95	11.48	0.61	-9E+99	5.07	24.89	1.20	0.48
Beals & Salt Valley	PP137	B1-84	B1-86	1169.41	1167.11	600.00	2.50	0.00	0.00	0.00	5.04	11.48	0.60	-9E+99	5.17	25.40	1.18	0.47
Beals & Salt Valley	PP138	B1-86	B1-89	1167.11	1164.84	588.00	2.50	0.00	0.00	0.00	5.01	11.48	0.60	-9E+99	5.19	25.49	1.26	0.50
Beals & Salt Valley	PP140	B1-89	B1-91	1164.84	1162.83	500.00	2.50	0.00	0.00	0.00	5.19	12.70	0.62	-9E+99	5.30	26.01	1.26	0.50
Beals & Salt Valley	PP141	B1-91	B1-241	1162.83	1162.42	63.00	2.50	0.01	0.00	0.00	5.65	12.70	0.60	-9E+99	6.74	33.09	1.30	0.52
Beals & Salt Valley	PP142	B1-241	B1-93	1162.42	1161.71	226.00	2.50	0.00	0.00	0.00	5.24	12.70	0.61	-9E+99	4.68	22.99	1.30	0.52
Beals & Salt Valley	PP143	B1-93	B1-95	1161.71	1160.61	106.00	2.50	0.01	0.00	0.00	5.75	6.33	0.40	-9E+99	8.51	41.78	0.85	0.34
Beals & Salt Valley	L773	B1-93	B1-298	1161.71	1161.13	33.00	2.00	0.02	0.00	0.00	7.05	6.36	0.38	-9E+99	9.55	29.99	0.85	0.42
Beals & Salt Valley	PP144	B1-95	B1-262	1160.61	1159.26	350.00	2.50	0.00	0.00	0.00	4.24	6.33	0.48	-9E+99	5.19	25.47	0.94	0.38
Beals & Salt Valley	PP145	B1-262	B2-17	1159.26	1157.65	575.90	2.50	0.00	0.00	0.00	3.79	6.33	0.51	-9E+99	4.42	21.69	0.94	0.38
Beals & Salt Valley	PP146	B2-17	B2-20	1157.65	1155.60	525.00	2.50	0.00	0.00	0.00	4.34	6.98	0.50	-9E+99	5.22	25.63	1.05	0.42
Beals & Salt Valley	PP147	B2-20	B2-298	1155.60	1155.26	150.00	2.50	0.00	0.00	0.00	3.63	7.10	0.55	-9E+99	3.98	19.53	1.06	0.42
Beals & Salt Valley	PP148	B2-298	B2-37	1155.26	1154.92	147.00	2.50	0.00	0.00	0.00	3.72	7.36	0.56	-9E+99	4.02	19.73	1.06	0.42
Beals & Salt Valley	PP149	B2-37	B2-35	1154.92	1154.36	228.48	2.50	0.00	0.00	0.00	3.82	7.59	0.56	-9E+99	4.14	20.31	1.07	0.43
Beals & Salt Valley	PP150	B2-35	B2-34	1154.36	1154.12	104.00	2.50	0.00	0.00	0.00	3.81	7.59	0.56	-9E+99	4.01	19.70	1.07	0.43
Beals & Salt Valley	PP151	B2-34	B2-33	1154.12	1153.26	327.00	2.50	0.00	0.00	0.00	3.93	7.59	0.55	-9E+99	4.29	21.03	1.05	0.42
Beals & Salt Valley	PP152	B2-33	B2-217	1153.26	1152.50	213.80	2.50	0.00	0.00	0.00	4.01	7.59	0.54	-9E+99	4.98	24.46	1.26	0.50
Beals & Salt Valley	PP153	B2-367	B2-217	1152.82	1152.50	400.00	2.00	0.00	0.01	0.01	0.05	-0.06	0.56	-9E+99	2.04	6.40	1.26	0.63

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP154	B2-217	B2-32	1152.50	1152.34	185.10	2.50	0.00	0.00	0.00	3.13	7.59	0.62	-9E+99	2.46	12.06	1.26	0.50
Beals & Salt Valley	PP155	B2-32	B2-31	1152.34	1151.42	401.00	2.50	0.00	0.00	0.00	3.73	7.59	0.57	-9E+99	4.00	19.65	1.10	0.44
Beals & Salt Valley	PP156	B2-31	B2-108	1151.42	1150.28	620.00	3.00	0.00	0.00	0.00	3.11	7.59	0.61	-9E+99	4.05	28.60	1.44	0.48
Beals & Salt Valley	PP157	B2-108	B2-361	1150.28	1149.91	270.00	3.00	0.00	0.00	0.00	2.22	7.59	0.74	-9E+99	3.49	24.69	1.69	0.56
Beals & Salt Valley	PP158	B2-361	B2-107	1149.91	1149.53	338.80	3.00	0.00	0.00	0.00	1.82	7.59	0.81	-9E+99	3.16	22.34	1.97	0.66
Beals & Salt Valley	PP159	B2-107	B2-106	1149.53	1148.77	608.00	3.00	0.00	0.00	0.00	1.49	7.59	0.87	-9E+99	3.34	23.58	2.63	0.88
Beals & Salt Valley	PP160	B2-106	B2-105	1148.77	1150.06	514.50	3.00	0.00	-0.60	-3.00	1.23	7.59	0.88	-9E+99	4.72	33.40	2.53	0.84
Beals & Salt Valley	PP161	B2-105	B2-345	1150.06	1149.71	465.00	3.00	0.00	0.00	0.00	2.91	7.59	0.63	-9E+99	2.59	18.30	1.24	0.41
Beals & Salt Valley	PP162	B2-345	B2-104	1149.71	1147.26	239.40	3.00	0.01	0.00	0.00	5.65	7.59	0.43	-9E+99	9.55	67.47	1.19	0.40
Beals & Salt Valley	PP163	B2-104	B2-103	1147.26	1146.51	603.30	3.00	0.00	0.00	0.00	2.88	7.59	0.64	-9E+99	3.33	23.52	1.26	0.42
Beals & Salt Valley	PP164	B2-103	B2-350	1146.51	1146.13	259.50	3.00	0.00	-0.10	-0.05	2.64	7.59	0.67	-9E+99	3.61	25.52	1.44	0.48
Beals & Salt Valley	PP165	B2-350	B2-102	1146.13	1145.76	601.00	3.00	0.00	0.00	0.00	2.59	8.49	0.72	-9E+99	2.34	16.55	1.44	0.48
Beals & Salt Valley	PP166	B2-102	B2-101	1145.76	1144.96	628.00	3.00	0.00	0.00	0.00	3.06	8.49	0.66	-9E+99	3.37	23.81	1.27	0.42
Beals & Salt Valley	PP167	B2-101	B3-472	1144.96	1144.20	609.30	3.00	0.00	0.00	0.00	2.96	8.49	0.67	-9E+99	3.33	23.56	1.35	0.45
Beals & Salt Valley	PP168	B3-472	B3-473	1144.20	1143.69	350.00	3.00	0.00	0.00	0.00	3.15	9.84	0.70	-9E+99	3.60	25.46	1.47	0.49
Beals & Salt Valley	PP169	B3-473	B3-627	1143.69	1143.51	18.00	3.00	0.01	-0.26	-0.42	4.06	10.55	0.75	-9E+99	9.44	66.70	1.67	0.56
Beals & Salt Valley	PP170	B3-627	B3-476	1143.51	1143.50	392.00	3.00	0.00	0.00	0.00	2.52	9.88	0.79	-9E+99	0.48	3.37	1.67	0.56
Beals & Salt Valley	PP171	B3-476	B3-478	1143.50	1142.99	392.00	3.00	0.00	0.00	0.00	3.31	9.83	0.69	-9E+99	3.40	24.06	1.32	0.44
Beals & Salt Valley	PP172	B3-478	B3-480	1142.99	1142.25	405.00	3.00	0.00	0.00	0.00	3.55	9.83	0.66	-9E+99	4.03	28.51	1.32	0.44
Beals & Salt Valley	PP173	B3-480	B3-513	1142.25	1141.50	551.20	3.00	0.00	0.00	0.00	3.33	9.83	0.68	-9E+99	3.48	24.60	1.32	0.44
Beals & Salt Valley	PP174	B3-513	B3-486	1141.50	1140.06	667.00	3.00	0.00	0.00	0.00	3.81	9.83	0.63	-9E+99	4.38	30.99	1.20	0.40
Beals & Salt Valley	PP175	B3-486	B3-667	1140.06	1136.04	28.36	2.00	0.14	0.00	0.00	5.66	9.83	0.50	-9E+99	27.11	85.17	4.97	2.48
Beals & Salt Valley	PP176	B3-466	B3-465	1144.71	1144.17	443.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.08	3.67	0.00	0.00
Beals & Salt Valley	PP177	B3-466	B3-668	1144.71	1144.55	56.24	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.17	5.60	0.00	0.00
Beals & Salt Valley	PP178	B3-465	B3-464	1144.17	1143.71	430.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.94	3.44	0.00	0.00
Beals & Salt Valley	PP179	B3-464	B3-463	1143.71	1143.24	430.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.97	3.47	0.00	0.00
Beals & Salt Valley	PP180	B3-463	B3-462	1143.24	1142.76	430.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.99	3.51	0.00	0.00
Beals & Salt Valley	PP181	B3-462	B3-461	1142.76	1143.34	405.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.25	3.98	0.00	0.00
Beals & Salt Valley	PP182	B3-461	B3-641	1143.34	1142.57	315.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.94	5.19	0.00	0.00
Beals & Salt Valley	PP183	B3-641	B3-640	1142.57	1142.31	105.84	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.95	5.21	0.00	0.00
Beals & Salt Valley	PP184	B3-640	B4-690	1142.31	1141.98	128.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.02	5.33	0.00	0.00
Beals & Salt Valley	PP185	B4-690	B4-57	1141.98	1141.40	242.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.91	5.14	0.00	0.00
Beals & Salt Valley	PP186	B4-57	B4-636	1141.40	1140.82	230.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.99	5.27	0.00	0.00
Beals & Salt Valley	PP187	B4-636	B4-69	1140.82	1140.84	171.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.64	1.14	0.00	0.00
Beals & Salt Valley	PP188	B4-69	B4-594	1140.84	1140.15	199.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.50	6.19	0.00	0.00
Beals & Salt Valley	PP189	B4-594	B4-183	1140.15	1140.25	630.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.75	1.32	0.00	0.00
Beals & Salt Valley	PP190	B4-594	B4-736	1140.15	1130.69	54.50	1.50	0.17	0.00	0.00	0.00	0.00	0.05	-9E+99	24.77	43.76	2.74	0.00
Beals & Salt Valley	PP191	B4-183	B4-605	1140.25	1140.25	167.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.19	0.33	0.00	0.00
Beals & Salt Valley	PP192	B4-605	B4-738	1140.25	1129.96	45.00	1.50	0.23	0.00	0.00	0.00	0.00	0.05	-9E+99	28.42	50.23	2.82	0.00
Beals & Salt Valley	PP194	B1-8	B1-7	1158.49	1143.50	236.00	5.00	0.06	0.00	0.00	9.78	11.01	0.32	-9E+99	33.43	656.38	1.13	0.23
Beals & Salt Valley	PP195	B1-7	B1-6	1143.50	1142.67	569.00	5.00	0.00	0.00	0.00	3.33	11.01	0.67	-9E+99	5.07	99.47	1.13	0.23
Beals & Salt Valley	PP196	B1-6	B1-5	1142.57	1141.81	569.00	5.00	0.00	0.00	0.00	3.24	11.01	0.68	-9E+99	4.85	95.18	1.17	0.23
Beals & Salt Valley	PP197	B1-5	B1-4	1141.51	1141.11	215.00	5.00	0.00	0.00	0.00	3.74	11.01	0.62	-9E+99	5.72	112.34	1.05	0.21
Beals & Salt Valley	PP198	B1-4	B1-3	1140.81	1139.80	748.00	5.00	0.00	0.00	0.00	3.22	11.01	0.68	-9E+99	4.87	95.70	1.16	0.23
Beals & Salt Valley	PP199	B1-3	B1-2	1139.70	1138.69	754.00	5.00	0.00	0.00	0.00	3.23	11.01	0.68	-9E+99	4.85	95.32	1.15	0.23
Beals & Salt Valley	PP200	B1-2	B1-1	1138.59	1137.58	754.00	5.00	0.00	0.00	0.00	3.19	11.01	0.73	-9E+99	4.85	95.32	1.60	0.32
Beals & Salt Valley	L762	B1-1	B1-310	1137.48	1136.59	260.00	5.00	0.00	0.00	0.00	3.47	11.11	0.98	-9E+99	7.21	141.49	2.57	0.51
Beals & Salt Valley	PP202	B1-293	B1-294	1171.98	1168.88	845.00	2.50	0.00	0.00	0.00	5.51	19.00	0.73	-9E+99	5.06	24.84	1.67	0.67
Beals & Salt Valley	PP203	B1-294	B1-295	1168.78	1165.68	817.00	2.50	0.00	0.00	0.00	5.61	19.00	0.72	-9E+99	5.15	25.27	1.69	0.68

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP204	B1-295	B1-296	1165.68	1163.44	613.00	2.50	0.00	0.00	0.00	5.53	19.29	0.73	-9E+99	5.05	24.79	1.69	0.68
Beals & Salt Valley	PP205	B1-296	B1-298	1163.34	1160.13	590.00	2.50	0.01	0.00	0.00	6.29	19.29	0.69	-9E+99	6.16	30.25	1.85	0.74
Beals & Salt Valley	PP206	B1-298	B1-299	1160.03	1159.69	106.00	2.50	0.00	0.00	0.00	6.34	25.65	0.76	-9E+99	4.73	23.23	1.95	0.78
Beals & Salt Valley	PP207	B1-299	B1-300	1159.59	1158.13	285.00	2.50	0.01	0.00	0.00	6.77	25.65	0.75	-9E+99	5.98	29.36	1.81	0.72
Beals & Salt Valley	PP208	B1-300	B1-301	1158.03	1155.23	557.00	2.50	0.01	0.00	0.00	6.67	25.65	0.75	-9E+99	5.92	29.08	1.84	0.74
Beals & Salt Valley	PP209	B1-301	B1-302	1155.13	1152.24	574.00	2.50	0.01	0.00	0.00	6.67	25.65	0.75	-9E+99	5.93	29.10	1.84	0.74
Beals & Salt Valley	PP210	B1-302	B1-303	1152.14	1149.25	574.00	2.50	0.01	0.00	0.00	6.59	25.65	0.75	-9E+99	5.93	29.10	1.96	0.79
Beals & Salt Valley	PP211	B1-303	B1-305	1149.15	1148.68	162.00	2.50	0.00	0.00	0.00	6.01	25.65	0.76	-9E+99	4.50	22.09	2.06	0.83
Beals & Salt Valley	PP212	B1-305	B1-306	1148.58	1146.71	631.00	3.00	0.00	0.00	0.00	5.56	25.65	0.85	-9E+99	5.14	36.31	1.87	0.62
Beals & Salt Valley	PP213	B1-306	B1-307	1146.61	1143.12	1160.00	3.00	0.00	0.00	0.00	5.55	26.06	0.85	-9E+99	5.18	36.58	1.91	0.64
Beals & Salt Valley	PP214	B1-307	B1-308	1143.02	1142.61	141.00	3.00	0.00	0.00	0.00	5.72	26.06	0.84	-9E+99	5.09	35.97	1.85	0.62
Beals & Salt Valley	PP215	B1S-5	B1S-94	1180.83	1176.57	614.00	1.50	0.01	0.00	0.00	4.62	3.42	0.34	-9E+99	4.95	8.75	0.68	0.45
Beals & Salt Valley	PP216	B1S-94	B1S-56	1176.57	1172.90	603.00	1.50	0.01	0.00	0.00	4.30	3.42	0.35	-9E+99	4.64	8.19	0.82	0.55
Beals & Salt Valley	PP217	B1S-56	B1S-57	1172.90	1171.55	434.00	1.50	0.00	0.00	0.00	3.44	3.42	0.40	-9E+99	3.32	5.86	0.82	0.55
Beals & Salt Valley	PP218	B1S-57	B1S-58	1171.55	1170.69	275.00	1.50	0.00	0.00	0.00	3.45	3.42	0.40	-9E+99	3.32	5.87	0.82	0.55
Beals & Salt Valley	PP219	B1S-58	B1S-59	1170.69	1170.48	69.00	1.50	0.00	0.00	0.00	3.47	3.42	0.40	-9E+99	3.28	5.80	0.82	0.55
Beals & Salt Valley	PP220	B1S-6	B1S-59	1171.98	1170.48	411.00	1.50	0.00	0.00	0.00	0.00	0.00	0.04	-9E+99	3.59	6.35	0.80	0.00
Beals & Salt Valley	PP221	B1S-59	B1S-9	1170.48	1170.13	96.00	1.50	0.00	0.00	0.00	3.54	3.42	0.39	-9E+99	3.59	6.34	0.84	0.56
Beals & Salt Valley	PP222	B1S-9	B1S-10	1170.13	1169.14	342.00	1.50	0.00	0.00	0.00	3.33	3.42	0.40	-9E+99	3.20	5.65	0.86	0.57
Beals & Salt Valley	PP223	B1S-10	B1S-11	1169.14	1167.95	361.00	1.50	0.00	0.00	0.00	3.39	3.42	0.40	-9E+99	3.41	6.03	0.86	0.57
Beals & Salt Valley	PP224	B1S-11	B1S-12	1167.95	1165.07	317.00	1.50	0.01	0.00	0.00	4.77	3.42	0.33	-9E+99	5.67	10.01	1.38	0.92
	PP225	B1S-96	B1S-95	1187.31	1185.54	100.00	1.50	0.02	0.00	0.00	7.69	6.94	0.38	-9E+99	7.91	13.98	0.87	0.58
	PP226	B1S-95	B2S-41	1185.54	1179.30	520.00	1.50	0.01	0.00	0.00	6.35	6.94	0.40	-9E+99	6.51	11.51	2.09	1.39
Beals & Salt Valley	PP227	B2S-41	B2S-42	1179.30	1177.98	425.00	1.50	0.00	0.00	0.00	3.91	6.94	0.46	-9E+99	3.31	5.85	2.09	1.39
Beals & Salt Valley	PP228	B2S-42	B2S-43	1177.98	1176.86	360.00	1.50	0.00	0.00	0.00	3.95	6.94	0.45	-9E+99	3.32	5.86	1.58	1.05
Beals & Salt Valley	PP229	B2S-43	B2S-44	1176.86	1174.68	360.00	1.50	0.01	0.00	0.00	5.16	6.94	0.45	-9E+99	4.63	8.17	1.07	0.72
Beals & Salt Valley	PP230	B2S-44	B2S-45	1174.68	1171.12	341.00	1.50	0.01	0.00	0.00	5.74	6.94	0.43	-9E+99	6.07	10.73	2.61	1.74
Beals & Salt Valley	PP231	B2S-45	B2S-37	1171.12	1171.12	341.00	1.50	0.00	0.00	0.00	4.03	6.94	0.45	-9E+99	0.19	0.33	2.61	1.74
Beals & Salt Valley	PP232	B2S-37	B2S-38	1171.12	1170.62	418.00	4.00	0.00	0.00	0.00	2.78	6.94	0.59	-9E+99	3.95	49.68	1.01	0.25
Beals & Salt Valley	PP233	B2S-38	B2S-39	1170.62	1170.14	400.00	4.00	0.00	0.00	0.00	2.79	6.94	0.59	-9E+99	3.96	49.76	1.01	0.25
Beals & Salt Valley	PP234	B2S-39	B2S-40	1170.14	1169.42	600.00	4.00	0.00	0.00	0.00	2.79	6.94	0.59	-9E+99	3.96	49.76	1.01	0.25
Beals & Salt Valley	PP235	B2S-40	B1S-72	1169.42	1168.70	600.00	4.00	0.00	0.00	0.00	2.79	6.94	0.59	-9E+99	3.96	49.76	1.01	0.25
Beals & Salt Valley	PP236	B1S-72	B1S-73	1168.70	1167.97	600.00	4.00	0.00	0.00	0.00	2.80	6.94	0.59	-9E+99	3.99	50.10	1.01	0.25
Beals & Salt Valley	PP237	B1S-73	B1S-74	1167.97	1167.30	548.00	4.00	0.00	0.00	0.00	2.80	6.94	0.59	-9E+99	4.00	50.23	1.01	0.25
Beals & Salt Valley	PP238	B1S-74	B1S-75	1167.30	1166.57	602.00	4.00	0.00	0.00	0.00	2.78	6.94	0.59	-9E+99	3.98	50.02	1.02	0.26
Beals & Salt Valley	PP239	B1S-75	B1S-76	1166.57	1165.89	561.00	4.00	0.00	0.00	0.00	2.81	6.94	0.59	-9E+99	3.98	50.01	1.02	0.26
Beals & Salt Valley	PP240	B1S-76	B1S-12	1165.89	1165.07	239.00	4.00	0.00	0.00	0.00	3.28	6.94	0.53	-9E+99	6.70	84.14	1.38	0.35
Beals & Salt Valley	PP241	B1S-12	B1S-13	1165.07	1164.76	424.00	4.00	0.00	0.00	0.00	2.71	10.36	0.76	-9E+99	3.09	38.84	1.38	0.35
Beals & Salt Valley	PP242	B1S-13	B1S-14	1164.76	1164.33	352.00	4.00	0.00	0.00	0.00	2.81	10.36	0.75	-9E+99	4.00	50.21	1.47	0.37
Beals & Salt Valley	PP243	B1S-14	B1S-15	1164.33	1164.06	509.00	4.00	0.00	0.00	0.00	2.51	10.36	0.80	-9E+99	2.63	33.08	1.47	0.37
Beals & Salt Valley	PP244	B1S-15	B1S-16	1164.06	1163.73	448.00	4.00	0.00	0.00	0.00	2.74	10.36	0.76	-9E+99	3.10	38.99	1.37	0.34
Beals & Salt Valley	PP245	B1S-16	B1S-17	1163.73	1163.18	483.00	4.00	0.00	0.00	0.00	2.93	10.36	0.73	-9E+99	3.86	48.47	1.37	0.34
Beals & Salt Valley	PP246	B1S-17	B1S-18	1163.18	1162.90	226.00	4.00	0.00	0.00	0.00	2.69	10.35	0.77	-9E+99	4.02	50.56	1.49	0.37
Beals & Salt Valley	PP247	B1S-18	B1S-19	1162.90	1162.68	392.00	4.00	0.00	0.00	0.00	2.43	10.35	0.81	-9E+99	2.71	34.03	1.49	0.37
Beals & Salt Valley	PP248	B1S-19	B1S-20	1162.68	1162.57	437.00	4.00	0.00	0.00	0.00	2.53	10.35	0.79	-9E+99	1.81	22.79	1.47	0.37
Beals & Salt Valley	PP249	B1S-20	B1S-21	1162.57	1162.27	118.00	4.00	0.00	0.00	0.00	3.23	10.44	0.69	-9E+99	5.76	72.43	1.39	0.35
Beals & Salt Valley	PP250	B1S-21	B0-208	1162.27	1162.06	316.00	4.00	0.00	0.00	0.00	2.70	10.44	0.77	-9E+99	2.95	37.03	1.39	0.35
Beals & Salt Valley	PP251	B0-208	B0-209	1162.06	1161.19	483.00	4.00	0.00	0.00	0.00	2.68	10.44	0.77	-9E+99	4.85	60.96	1.92	0.48
Beals & Salt Valley	PP252	B0-209	B0-210	1161.19	1161.45	594.00	4.00	0.00	-1.65	-8.53	1.80	10.44	0.96	-9E+99	2.39	30.05	1.73	0.43

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP253	B0-210	B0-211	1161.45	1161.20	521.00	4.00	0.00	0.00	0.00	2.53	10.44	0.80	-9E+99	2.50	31.47	1.47	0.37
Beals & Salt Valley	PP254	B0-211	B0-212	1161.20	1160.59	544.00	4.00	0.00	0.00	0.00	2.87	10.44	0.74	-9E+99	3.83	48.10	1.44	0.36
Beals & Salt Valley	PP255	B0-212	B0-213	1160.59	1160.11	605.00	4.00	0.00	0.00	0.00	2.56	10.44	0.79	-9E+99	3.22	40.46	1.51	0.38
Beals & Salt Valley	PP256	B0-213	B0-214	1160.11	1159.78	655.00	4.00	0.00	0.00	0.00	2.41	10.44	0.82	-9E+99	2.57	32.24	1.51	0.38
Beals & Salt Valley	PP257	B0-214	B0-215	1159.78	1159.55	152.00	4.00	0.00	-0.22	-0.08	2.55	10.44	0.79	-9E+99	4.45	55.88	1.58	0.40
Beals & Salt Valley	PP258	B0-215	B0-216	1159.55	1159.40	565.00	4.00	0.00	0.00	0.00	2.43	11.01	0.84	-9E+99	1.86	23.40	1.58	0.40
Beals & Salt Valley	PP259	B0-216	B0-217	1159.40	1158.96	413.00	4.00	0.00	0.00	0.00	3.03	11.01	0.74	-9E+99	3.73	46.89	1.33	0.33
Beals & Salt Valley	L745	B0-217	B1-8	1158.96	1158.49	583.00	4.00	0.00	0.00	0.00	3.27	11.01	0.70	-9E+99	3.25	40.78	1.33	0.33
Beals & Salt Valley	PP261	B0-218	B0-151	1158.49	1158.27	30.00	2.00	0.01	0.00	0.00	4.05	2.56	0.41	-9E+99	6.17	19.37	0.97	0.49
Beals & Salt Valley	PP262	B0-151	B1-168	1158.27	1158.08	428.00	2.00	0.00	0.00	0.00	1.72	2.56	0.49	-9E+99	1.52	4.77	0.97	0.49
Beals & Salt Valley	PP263	B1-168	B1-167	1158.08	1157.75	417.00	2.00	0.00	0.00	0.00	1.92	2.56	0.46	-9E+99	2.03	6.36	0.88	0.44
Beals & Salt Valley	PP264	B1-167	B1-166	1157.75	1157.42	413.00	2.00	0.00	0.00	0.00	1.92	2.56	0.46	-9E+99	2.04	6.39	0.88	0.44
Beals & Salt Valley	PP265	B1-166	B1-165	1157.42	1157.08	418.00	2.00	0.00	0.00	0.00	1.93	2.56	0.46	-9E+99	2.05	6.45	0.88	0.44
Beals & Salt Valley	PP266	B1-165	B1-164	1157.08	1156.75	418.00	2.00	0.00	0.00	0.00	1.91	2.56	0.46	-9E+99	2.02	6.36	0.88	0.44
Beals & Salt Valley	PP267	B1-164	B1-163	1156.75	1156.42	418.00	2.00	0.00	0.00	0.00	1.92	2.56	0.46	-9E+99	2.02	6.36	0.88	0.44
Beals & Salt Valley	PP268	B1-163	B1-162	1156.42	1156.09	415.00	2.00	0.00	0.00	0.00	1.92	2.56	0.46	-9E+99	2.03	6.38	0.88	0.44
Beals & Salt Valley	PP269	B1-162	B1-161	1156.09	1155.76	410.00	2.00	0.00	0.00	0.00	1.93	2.56	0.46	-9E+99	2.04	6.42	0.88	0.44
Beals & Salt Valley	PP270	B1-161	B1-160	1155.76	1155.42	418.00	2.00	0.00	0.00	0.00	1.94	2.56	0.46	-9E+99	2.05	6.45	0.88	0.44
Beals & Salt Valley	PP271	B1-160	B1-159	1155.42	1155.09	418.00	2.00	0.00	0.00	0.00	1.94	2.56	0.46	-9E+99	2.02	6.36	0.88	0.44
Beals & Salt Valley	PP272	B1-159	B1-158	1155.09	1154.75	419.00	2.00	0.00	0.00	0.00	2.14	2.56	0.43	-9E+99	2.05	6.44	0.85	0.42
Beals & Salt Valley	PP273	B1-158	B1-308	1154.75	1154.00	88.00	2.00	0.01	0.00	0.00	4.51	2.56	0.28	-9E+99	6.65	20.88	0.47	0.24
Beals & Salt Valley	PP274	B1-308	B1-309	1142.51	1140.43	575.00	3.00	0.00	0.00	0.00	6.11	28.62	0.85	-9E+99	5.68	40.12	1.95	0.65
Beals & Salt Valley	L747	B1-309	B1-310	1140.33	1138.19	725.73	3.00	0.00	0.00	0.00	5.66	28.62	0.88	-9E+99	5.12	36.22	2.05	0.68
Beals & Salt Valley	PP277	B1-310	B1-311	1136.55	1135.76	239.00	5.00	0.00	0.00	0.00	4.06	39.61	1.30	-9E+99	7.63	149.74	3.34	0.67
Beals & Salt Valley	PP278	B1-311	B1-289	1135.76	1135.46	233.75	5.00	0.00	0.00	0.00	2.90	39.61	1.46	-9E+99	4.75	93.30	3.57	0.71
Beals & Salt Valley	PP279	B1-289	B1-290	1135.46	1135.25	709.00	5.00	0.00	0.00	0.00	2.69	39.61	1.49	-9E+99	2.28	44.82	3.57	0.71
Beals & Salt Valley	PP280	B1-290	B2-397	1135.25	1135.01	738.00	5.00	0.00	0.00	0.00	2.69	39.61	1.49	-9E+99	2.39	46.97	3.56	0.71
Beals & Salt Valley	PP281	B2-397	B2-398	1135.01	1134.84	700.00	5.00	0.00	0.00	0.00	2.69	39.60	1.49	-9E+99	2.07	40.59	3.56	0.71
Beals & Salt Valley	PP282	B2-398	B2-399	1134.84	1134.64	651.00	5.00	0.00	0.00	0.00	2.73	39.60	1.48	-9E+99	2.32	45.65	3.50	0.70
Beals & Salt Valley	PP283	B2-399	B2-400	1134.64	1134.37	660.00	5.00	0.00	0.00	0.00	2.73	39.60	1.48	-9E+99	2.68	52.68	3.53	0.71
Beals & Salt Valley	PP284	B2-400	B2-401	1134.37	1134.17	717.00	5.00	0.00	0.00	0.00	2.69	39.59	1.48	-9E+99	2.22	43.50	3.53	0.71
Beals & Salt Valley	PP285	B2-401	B2-402	1134.17	1133.86	726.00	5.00	0.00	0.00	0.00	2.70	39.59	1.48	-9E+99	2.74	53.82	3.57	0.71
Beals & Salt Valley	PP286	B2-402	B2-403	1133.86	1133.51	1054.00	5.00	0.00	0.00	0.00	2.64	39.59	1.53	-9E+99	2.42	47.46	3.59	0.72
Beals & Salt Valley	PP287	B2-403	B3-678	1133.51	1133.29	1051.00	5.00	0.00	0.00	0.00	2.63	39.58	1.56	-9E+99	1.92	37.68	3.59	0.72
Beals & Salt Valley	PP288	B3-678	B3-679	1133.29	1133.24	575.00	5.00	0.00	-0.10	-0.01	2.74	39.58	1.54	-9E+99	1.24	24.29	3.47	0.69
Beals & Salt Valley	PP289	B3-679	B3-681	1133.24	1133.22	217.00	5.00	0.00	-0.27	-0.04	2.88	39.58	1.48	-9E+99	1.27	25.00	3.31	0.66
Beals & Salt Valley	PP290	B3-533	B3-532	1160.55	1156.85	375.50	1.50	0.01	0.00	0.00	5.07	3.31	0.32	-9E+99	5.90	10.43	0.72	0.48
Beals & Salt Valley	PP291	B3-532	B3-531	1156.85	1155.05	390.00	1.50	0.00	0.00	0.00	3.95	3.31	0.36	-9E+99	4.04	7.14	0.73	0.49
Beals & Salt Valley	PP292	B3-531	B3-530	1155.05	1154.20	185.42	1.50	0.00	0.00	0.00	3.90	3.31	0.37	-9E+99	4.02	7.11	0.73	0.49
Beals & Salt Valley	PP293	B3-530	B3-529	1154.20	1152.69	238.08	1.50	0.01	0.00	0.00	4.40	3.31	0.34	-9E+99	4.73	8.37	0.72	0.48
Beals & Salt Valley	PP294	B3-529	B3-528	1152.69	1151.55	246.00	1.50	0.00	0.00	0.00	3.88	3.31	0.37	-9E+99	4.05	7.15	0.82	0.55
Beals & Salt Valley	PP295	B3-528	B3-527	1151.55	1149.73	398.84	1.50	0.00	0.00	0.00	3.71	3.31	0.36	-9E+99	4.02	7.10	0.82	0.55
Beals & Salt Valley	PP296	B3-527	B3-526	1149.73	1113.80	24.00	1.50	1.50	0.00	0.00	16.23	3.31	0.10	-9E+99	72.73	128.53	18.15	12.10
Beals & Salt Valley	PP297	B3-526	B3-525	1113.80	1147.23	420.00	1.50	-0.08	0.00	0.00	0.00	0.00	0.05	-9E+99	16.77	29.64	33.43	0.00
Beals & Salt Valley	PP298	B3-525	B3-500	1147.23	1146.25	212.51	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.04	7.13	0.00	0.00
Beals & Salt Valley	PP299	B3-500	B3-541	1146.25	1145.07	452.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.68	11.56	0.00	0.00
Beals & Salt Valley	PP300	B3-541	B3-422	1145.07	1144.47	400.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.79	8.76	0.00	0.00
Beals & Salt Valley	PP301	B3-422	B3-374	1144.47	1143.96	400.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.57	8.08	0.00	0.00
Beals & Salt Valley	PP302	B3-374	B3-316	1143.96	1143.49	249.63	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.12	9.82	0.00	0.00

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP303	B3-316	B3-681	1143.49	1133.22	329.27	2.00	0.03	0.00	0.00	0.00	0.00	0.07	-9E+99	12.72	39.95	3.24	0.00
Beals & Salt Valley	PP304	B3-681	B3-682	1133.22	1132.99	932.00	5.00	0.00	-0.24	-0.13	2.96	39.58	1.45	-9E+99	2.08	40.91	3.24	0.65
Beals & Salt Valley	PP305	B3-682	B3-683	1132.99	1132.85	632.00	5.00	0.00	0.00	0.00	3.26	40.44	1.39	-9E+99	1.97	38.76	3.05	0.61
Beals & Salt Valley	PP306	B3-683	B3-675	1132.85	1132.60	632.00	5.00	0.00	0.00	0.00	3.59	40.44	1.33	-9E+99	2.64	51.80	2.82	0.56
Beals & Salt Valley	PP307	B3-675	B3-676	1132.60	1131.60	1113.00	5.00	0.00	0.00	0.00	3.95	40.44	1.27	-9E+99	3.98	78.07	2.62	0.53
Beals & Salt Valley	PP308	B3-676	B4-736	1131.60	1130.69	1010.00	5.00	0.00	0.00	0.00	3.85	40.44	1.29	-9E+99	3.98	78.18	2.74	0.55
Beals & Salt Valley	PP309	B4-736	B4-738	1130.69	1129.96	816.00	5.00	0.00	0.00	0.00	3.92	43.24	1.32	-9E+99	3.97	77.90	2.82	0.56
Beals & Salt Valley	PP310	B4-738	B4-739	1129.96	1129.22	824.00	5.00	0.00	0.00	0.00	3.79	43.24	1.35	-9E+99	3.97	78.05	2.98	0.60
Beals & Salt Valley	PP311	B4-678	B4-171	1140.20	1139.88	150.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.75	4.85	0.00	0.00
Beals & Salt Valley	PP312	B4-171	B4-243	1139.88	1139.65	400.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.43	2.52	0.00	0.00
Beals & Salt Valley	PP313	B4-243	B4-XX1	1139.65	1139.54	920.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.65	1.15	0.00	0.00
Beals & Salt Valley	PP314	B4-XX1	B4-739	1139.54	1129.22	41.00	1.50	0.25	0.00	0.00	0.00	0.00	0.05	-9E+99	29.82	52.70	2.98	0.00
Beals & Salt Valley	PP315	B4-XX1	B4-XX2	1139.54	1139.51	49.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.47	2.60	0.00	0.00
Beals & Salt Valley	PP316	B4-XX2	B4-257	1139.51	1139.29	178.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.09	3.69	0.00	0.00
Beals & Salt Valley	PP317	B4-257	B4-321	1139.29	1138.91	400.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.83	3.24	0.00	0.00
Beals & Salt Valley	PP318	B4-321	B4-329	1138.91	1138.43	519.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.81	3.19	0.00	0.00
Beals & Salt Valley	PP319	B4-329	B4-13	1138.43	1137.21	1380.50	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.77	3.12	0.00	0.00
Beals & Salt Valley	PP320	B5-479	B5-478	1134.41	1136.56	550.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.22	25.65	0.00	0.00
Beals & Salt Valley	PP321	B5-478	B5-477	1136.56	1136.14	175.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.09	20.09	0.00	0.00
Beals & Salt Valley	PP322	B5-477	B5-476	1136.14	1136.90	388.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.70	18.15	0.00	0.00
Beals & Salt Valley	PP323	B5-476	B5-677	1136.90	1136.98	300.77	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.36	6.69	0.00	0.00
Beals & Salt Valley	PP324	B5-677	B5-676	1136.98	1137.05	50.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.13	15.35	0.00	0.00
Beals & Salt Valley	PP325	B5-676	B4-13	1137.05	1137.21	108.50	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.21	15.75	0.00	0.00
Beals & Salt Valley	PP326	B4-510	B4-511	1154.63	1153.90	225.00	1.67	0.00	0.00	0.00	2.97	2.39	0.50	-9E+99	3.64	7.97	14.95	8.95
Beals & Salt Valley	PP327	B4-511	B4-693	1153.90	1153.40	322.00	1.67	0.00	0.00	0.00	2.28	1.87	0.50	-9E+99	2.52	5.51	15.42	9.23
Beals & Salt Valley	PP328	B4-693	B4-512	1153.40	1153.08	65.00	1.67	0.00	-0.03	-0.06	3.45	1.87	0.50	-9E+99	4.48	9.81	15.73	9.42
Beals & Salt Valley	PP329	B4-512	B4-513	1153.08	1151.90	240.00	1.67	0.00	0.00	0.00	3.40	1.90	0.50	-9E+99	4.48	9.81	16.89	10.12
Beals & Salt Valley	PP330	B4-513	B4-473	1151.90	1150.89	324.00	1.67	0.00	0.00	-0.01	2.81	1.91	0.49	-9E+99	3.57	7.81	17.88	10.71
Beals & Salt Valley	PP331	B4-473	B4-474	1150.89	1150.84	76.00	1.67	0.00	-0.01	-0.02	1.12	1.65	0.50	-9E+99	1.64	3.59	17.93	10.73
Beals & Salt Valley	PP332	B4-474	B4-503	1150.84	1179.30	404.00	1.67	-0.07	0.00	0.00	0.00	0.00	0.05	-9E+99	16.95	37.12	28.46	0.00
Beals & Salt Valley	PP333	B4-503	B4-640	1179.30	1142.04	457.00	1.75	0.08	0.00	0.00	0.00	0.00	0.00	-9E+99	18.81	45.24	0.00	0.00
Beals & Salt Valley	PP334	B4-640	B4-641	1142.04	1141.98	21.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.85	12.09	0.00	0.00
Beals & Salt Valley	PP335	B4-641	B4-639	1141.98	1139.63	360.00	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.82	18.28	0.00	0.00
Beals & Salt Valley	PP336	B4-639	B4-696	1139.63	1139.85	168.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.61	8.19	0.00	0.00
Beals & Salt Valley	PP337	B4-696	B4-638	1139.85	1138.43	209.00	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.94	18.65	0.00	0.00
Beals & Salt Valley	PP338	B4-638	B4-637	1138.43	1137.48	297.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.07	12.79	0.00	0.00
Beals & Salt Valley	PP339	B4-637	B4-658	1137.48	1136.75	258.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.83	12.03	0.00	0.00
Beals & Salt Valley	PP340	B4-658	B4-14	1136.75	1136.58	50.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.20	13.19	0.00	0.00
Beals & Salt Valley	PP341	B4-14	B4-13	1136.58	1137.21	54.00	2.00	-0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	7.78	24.43	0.00	0.00
Beals & Salt Valley	PP342	B4-13	B4-710	1137.21	1133.66	381.00	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	6.95	21.84	0.00	0.00
Beals & Salt Valley	PP343	B4-710	B4-18	1133.66	1135.31	62.00	4.00	-0.03	0.00	0.00	0.00	0.00	0.00	-9E+99	18.65	234.33	0.00	0.00
Beals & Salt Valley	PP344	B4-20	B4-19	1139.23	1139.01	82.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.41	8.21	0.00	0.00
Beals & Salt Valley	PP345	B4-19	B4-18	1139.01	1135.31	45.00	1.75	0.08	0.00	0.00	0.00	0.00	0.00	-9E+99	18.89	45.43	-1.49	0.00
Beals & Salt Valley	PP346	B3-490	B3-493	1139.47	1138.70	671.53	3.50	0.00	0.00	0.00	2.57	9.83	0.77	-9E+99	3.54	34.07	1.78	0.51
Beals & Salt Valley	PP347	B3-493	B3-496	1138.70	1138.86	532.47	3.50	0.00	-1.63	-5.55	2.12	10.11	0.87	-9E+99	1.81	17.44	1.62	0.46
Beals & Salt Valley	PP348	B3-496	B3-498	1138.86	1138.37	525.00	3.50	0.00	0.00	0.00	3.05	10.11	0.72	-9E+99	3.19	30.74	1.34	0.38
Beals & Salt Valley	PP349	B3-498	B4-60	1138.37	1136.96	518.00	3.50	0.00	0.00	0.00	3.72	10.11	0.63	-9E+99	5.46	52.49	1.67	0.48
Beals & Salt Valley	PP350	B4-60	B4-717	1136.96	1136.85	586.00	3.67	0.00	0.00	0.00	2.20	10.11	0.85	-9E+99	1.48	15.64	1.67	0.46
	PP351	B4-717	B4-108	1136.85	1136.53	186.55	3.67	0.00	0.00	0.00	2.53	10.11	0.79	-9E+99	4.47	47.29	1.69	0.46

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP352	B4-108	B4-718	1136.53	1136.38	384.00	3.67	0.00	0.00	0.00	2.13	10.11	0.87	-9E+99	2.13	22.57	1.69	0.46
	PP353	B4-718	B4-179	1136.38	1136.22	186.00	3.67	0.00	-0.38	-0.56	2.14	10.11	0.87	-9E+99	3.17	33.49	1.76	0.48
Beals & Salt Valley	PP354	A4-172	B4-178	1140.38	1139.32	420.00	1.50	0.00	0.00	0.00	3.35	4.52	0.44	-9E+99	2.99	5.28	1.11	0.74
Beals & Salt Valley	PP355	B4-178	B4-179	1139.32	1136.22	425.00	1.50	0.01	0.00	0.00	4.87	4.52	0.38	-9E+99	5.08	8.97	1.76	1.18
Beals & Salt Valley	PP356	B4-179	B4-181	1136.22	1136.09	236.00	3.67	0.00	0.00	0.00	3.02	15.09	0.89	-9E+99	2.53	26.80	1.76	0.48
Beals & Salt Valley	PP357	B4-181	B4-609	1136.09	1135.47	166.00	3.67	0.00	0.00	0.00	3.06	15.09	0.88	-9E+99	6.60	69.78	2.26	0.62
Beals & Salt Valley	PP358	B4-609	B4-173	1135.47	1135.80	227.00	3.67	0.00	-1.95	-10.89	2.27	15.09	1.02	-9E+99	4.12	43.53	2.15	0.59
Beals & Salt Valley	PP359	B4-173	B4-719	1135.80	1135.55	559.00	3.67	0.00	0.00	0.00	2.93	15.09	0.90	-9E+99	2.28	24.15	1.82	0.50
	PP360	B4-719	B4-253	1135.55	1135.43	155.00	3.67	0.00	0.00	0.00	3.58	15.19	0.82	-9E+99	3.00	31.77	1.56	0.43
Beals & Salt Valley	PP361	B4-253	B4-254	1135.43	1134.63	65.00	3.67	0.01	0.00	0.00	3.74	15.46	0.81	-9E+99	11.97	126.66	2.39	0.65
Beals & Salt Valley	PP362	B4-254	B4-323	1134.63	1135.09	400.00	3.67	0.00	-1.84	-11.10	2.15	15.14	1.04	-9E+99	3.66	38.72	2.22	0.61
Beals & Salt Valley	PP363	B4-323	B4-326	1135.09	1134.80	410.00	3.67	0.00	0.00	0.00	3.03	15.09	0.89	-9E+99	2.87	30.37	1.76	0.48
Beals & Salt Valley	PP364	B4-326	B4-390	1134.80	1134.39	587.00	3.67	0.00	0.00	0.00	3.27	15.08	0.85	-9E+99	2.85	30.17	1.69	0.46
Beals & Salt Valley	PP365	B4-390	B4-395	1134.39	1133.06	551.00	3.67	0.00	0.00	0.00	4.49	15.08	0.72	-9E+99	5.30	56.09	1.31	0.36
Beals & Salt Valley	PP366	B4-395	B4-742	1133.06	1133.40	107.00	3.67	0.00	-4.18	-11.21	4.82	15.08	0.68	-9E+99	6.08	64.36	0.97	0.26
Beals & Salt Valley	PP367	B4-742	B4-397	1133.40	1133.80	130.00	3.67	0.00	0.00	0.00	0.24	-0.04	0.07	-9E+99	5.99	63.33	0.47	0.13
Beals & Salt Valley	L772	B4-742	B4-743	1133.40	1127.02	33.00	3.00	0.19	0.00	0.00	11.33	15.10	0.33	-9E+99	41.49	293.27	4.35	1.45
Beals & Salt Valley	PP368	B4-397	B4-22	1133.80	1133.56	340.00	3.67	0.00	-0.06	-0.02	-0.06	-0.04	0.18	-9E+99	2.87	30.33	0.31	0.08
Beals & Salt Valley	PP369	B4-22	B4-18	1133.56	1133.56	62.00	3.67	0.00	0.00	0.00	0.91	0.38	0.20	-9E+99	0.34	3.61	0.31	0.08
Beals & Salt Valley	PP370	B4-18	B4-589	1133.56	1133.38	168.00	3.67	0.00	0.00	0.00	1.10	0.38	0.17	-9E+99	3.53	37.37	0.28	0.08
Beals & Salt Valley	PP371	B4-589	B4-492	1133.38	1133.33	65.00	3.67	0.00	0.00	0.00	1.07	0.38	0.18	-9E+99	2.99	31.67	0.28	0.08
Beals & Salt Valley	PP372	B4-492	B5-57	1133.33	1132.86	603.00	3.67	0.00	0.00	0.00	1.02	0.38	0.18	-9E+99	3.01	31.88	0.28	0.08
Beals & Salt Valley	PP373	B5-57	B5-121	1132.86	1132.52	444.00	4.00	0.00	0.00	0.00	0.99	0.38	0.18	-9E+99	3.16	39.75	0.28	0.07
Beals & Salt Valley	PP374	B5-121	B5-122	1132.52	1132.18	427.00	4.00	0.00	0.00	0.00	0.99	0.38	0.18	-9E+99	3.23	40.53	0.28	0.07
Beals & Salt Valley	PP375	B5-512	B5-49	1139.92	1139.70	190.00	1.67	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.17	4.76	0.00	0.00
Beals & Salt Valley	PP376	B5-49	B5-554	1139.70	1139.32	266.00	1.67	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.41	5.29	0.00	0.00
Beals & Salt Valley	PP377	B5-554	B5-61	1139.32	1139.32	256.00	1.67	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.20	0.44	0.00	0.00
Beals & Salt Valley	PP378	B5-61	B5-62	1139.32	1136.42	60.00	1.67	0.05	0.00	0.00	0.00	0.00	0.00	-9E+99	14.04	30.75	0.00	0.00
Beals & Salt Valley	PP379	B5-62	B5-503	1136.42	1136.83	225.00	1.67	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.73	5.97	0.00	0.00
Beals & Salt Valley	PP380	B5-503	B5-480	1136.83	1136.83	285.00	1.25	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.17	0.20	0.00	0.00
Beals & Salt Valley	PP381	B5-480	B5-535	1136.83	1135.63	221.00	1.25	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	3.88	4.76	0.00	0.00
Beals & Salt Valley	PP382	B5-535	B5-122	1135.63	1132.18	353.00	1.75	0.01	0.00	0.00	0.00	0.00	0.02	-9E+99	6.51	15.66	0.24	0.00
Beals & Salt Valley	PP383	B5-122	B5-X40	1132.18	1131.40	582.00	4.00	0.00	0.00	0.00	1.19	0.38	0.16	-9E+99	4.18	52.59	0.29	0.07
Beals & Salt Valley	PP384	B5-X40	B5-160	1131.40	1130.93	670.00	4.00	0.00	0.00	0.00	0.91	0.38	0.19	-9E+99	3.03	38.04	0.37	0.09
Beals & Salt Valley	PP385	B5-160	B5-601	1130.93	1130.53	153.00	4.00	0.00	0.00	0.00	2.08	1.19	0.23	-9E+99	5.84	73.45	0.37	0.09
Beals & Salt Valley	PP386	B5-601	B5-548	1130.53	1131.20	102.00	4.00	-0.01	0.00	0.00	0.00	0.00	0.03	-9E+99	9.26	116.42	0.67	0.00
Beals & Salt Valley	PP387	B5-601	B5-602	1130.53	1125.80	445.00	3.50	0.01	0.00	0.00	2.94	1.19	0.25	-9E+99	10.78	103.73	4.18	1.20
Beals & Salt Valley	PP388	B5-548	B5-274	1131.20	1130.68	413.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.06	50.97	0.00	0.00
Beals & Salt Valley	PP389	B5-274	B5-596	1130.68	1130.38	71.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	7.43	93.37	0.00	0.00
Beals & Salt Valley	PP390	B5-596	B5-597	1130.38	1130.18	363.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.68	33.72	0.00	0.00
Beals & Salt Valley	PP391	B5-597	B5-275	1130.18	1129.94	442.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.66	33.47	0.00	0.00
Beals & Salt Valley	PP392	B5-275	B5-327	1129.94	1129.90	667.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.89	11.12	0.00	0.00
Beals & Salt Valley	PP393	B5-327	B5-565	1129.90	1129.84	73.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.28	41.18	0.00	0.00
Beals & Salt Valley	PP394	B5-565	B5-329	1129.84	1129.74	169.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.78	34.94	0.00	0.00
Beals & Salt Valley	PP395	B5-329	B5-328	1129.74	1129.70	71.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.71	34.09	0.00	0.00
Beals & Salt Valley	PP396	B5-328	B5-362	1129.70	1129.49	362.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.75	34.60	0.00	0.00
Beals & Salt Valley	PP397	B5-362	B5-361	1129.49	1129.14	125.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	6.05	76.01	0.00	0.00
Beals & Salt Valley	PP398	B5-361	B6-357	1129.14	1128.62	673.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.18	39.93	0.00	0.00
Beals & Salt Valley	PP399	B6-357	B6-30	1128.62	1128.09	644.00	4.00	0.00	0.00	0.00	0.00	0.00	0.03	-9E+99	3.28	41.21	0.32	0.00

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP400	B6-30	B6-31	1128.09	1127.59	643.00	4.00	0.00	0.00	0.00	1.10	0.51	0.20	-9E+99	3.19	40.06	0.32	0.08
Beals & Salt Valley	PP401	B6-31	B6-32	1127.59	1127.09	629.00	4.00	0.00	0.00	0.00	1.10	0.51	0.20	-9E+99	3.22	40.50	0.32	0.08
Beals & Salt Valley	PP402	B6-32	B6-243	1127.09	1126.84	331.00	4.00	0.00	0.00	0.00	1.09	0.51	0.20	-9E+99	3.14	39.48	0.32	0.08
Beals & Salt Valley	PP403	B6-243	B6-33	1126.84	1126.63	275.00	4.00	0.00	0.00	0.00	1.10	0.51	0.20	-9E+99	3.16	39.69	0.32	0.08
Beals & Salt Valley	PP404	B6-33	B6-371	1126.63	1125.85	577.50	4.00	0.00	0.00	0.00	1.11	0.51	0.19	-9E+99	4.20	52.79	0.58	0.15
Beals & Salt Valley	PP405	B5-639	B6-392	1129.70	1128.56	570.55	3.00	0.00	0.00	0.00	2.02	1.15	0.25	-9E+99	4.22	29.81	0.41	0.14
Beals & Salt Valley	PP406	B6-392	B6-394	1128.56	1128.38	89.00	3.00	0.00	0.00	0.00	1.93	1.15	0.26	-9E+99	4.24	30.00	0.45	0.15
Beals & Salt Valley	PP407	B6-394	B6-395	1128.38	1128.01	181.00	3.00	0.00	0.00	0.00	2.11	1.35	0.27	-9E+99	4.27	30.16	0.45	0.15
Beals & Salt Valley	PP408	B6-395	B6-34	1128.01	1125.84	449.00	3.00	0.00	0.00	0.00	2.57	1.35	0.24	-9E+99	6.56	46.37	0.63	0.21
Beals & Salt Valley	PP409	B6-34	B6-371	1125.84	1125.85	72.50	3.00	0.00	-1.15	-1.06	1.53	1.35	0.37	-9E+99	1.11	7.83	0.62	0.21
Beals & Salt Valley	PP410	B6-371	B6-72	1125.85	1125.48	481.33	4.50	0.00	0.00	0.00	1.62	1.85	0.35	-9E+99	3.43	54.52	0.58	0.13
Beals & Salt Valley	PP411	B6-72	B6-373	1125.48	1123.00	500.00	4.50	0.00	0.00	0.00	2.39	1.85	0.34	-9E+99	8.71	138.49	2.74	0.61
Beals & Salt Valley	PP412	B4-741	B4-743	1128.29	1127.02	1146.00	5.00	0.00	-0.31	-1.22	2.92	43.27	1.58	-9E+99	4.42	86.70	4.35	0.87
Beals & Salt Valley	PP413	B4-743	B5-614	1127.02	1126.74	945.00	6.50	0.00	0.00	0.00	3.16	74.49	2.34	-9E+99	2.72	90.25	4.35	0.67
Beals & Salt Valley	PP414	B5-614	B5-616	1126.74	1126.61	380.00	6.50	0.00	0.00	0.00	3.18	74.47	2.34	-9E+99	2.92	96.97	4.33	0.67
Beals & Salt Valley	PP415	B5-616	B5-617	1126.61	1126.41	757.00	6.50	0.00	0.00	0.00	3.25	75.95	2.34	-9E+99	2.57	85.22	4.33	0.67
Beals & Salt Valley	PP416	B5-617	B5-618	1126.41	1126.10	820.00	6.50	0.00	0.00	0.00	3.30	75.94	2.33	-9E+99	3.07	101.94	4.27	0.66
Beals & Salt Valley	PP417	B5-618	B5-619	1126.10	1125.93	538.00	6.50	0.00	0.00	0.00	3.29	75.93	2.34	-9E+99	2.81	93.20	4.27	0.66
Beals & Salt Valley	PP418	B5-619	B5-602	1125.93	1125.80	520.00	6.50	0.00	-0.16	-0.05	3.31	75.93	2.34	-9E+99	2.50	82.90	4.25	0.65
Beals & Salt Valley	PP419	B5-602	B5-603	1125.80	1125.54	851.00	6.50	0.00	0.00	0.00	3.43	77.10	2.31	-9E+99	2.76	91.64	4.18	0.64
Beals & Salt Valley	PP420	B5-603	B5-604	1125.54	1125.13	783.00	6.50	0.00	0.00	0.00	3.49	77.09	2.29	-9E+99	3.62	119.97	4.19	0.65
Beals & Salt Valley	PP421	B5-604	B5-605	1125.13	1124.87	765.00	6.50	0.00	0.00	0.00	3.41	77.08	2.35	-9E+99	2.91	96.65	4.19	0.65
Beals & Salt Valley	PP422	B5-605	B6-384	1124.87	1124.73	626.00	6.50	0.00	0.00	0.00	3.46	77.08	2.34	-9E+99	2.36	78.40	4.15	0.64
Beals & Salt Valley	PP423	B6-384	B6-385	1124.73	1124.54	800.00	6.50	0.00	0.00	0.00	3.60	77.08	2.28	-9E+99	2.43	80.80	4.02	0.62
Beals & Salt Valley	PP424	B6-385	B6-386	1124.54	1124.34	850.00	6.50	0.00	0.00	0.00	3.83	77.08	2.18	-9E+99	2.42	80.42	3.83	0.59
Beals & Salt Valley	PP425	B6-386	B6-387	1124.34	1124.07	571.00	6.50	0.00	0.00	0.00	4.23	77.07	2.03	-9E+99	3.44	114.01	3.52	0.54
Beals & Salt Valley	PP426	B6-387	B6-388	1124.07	1123.86	428.00	6.50	0.00	0.00	0.00	4.48	77.07	1.94	-9E+99	3.50	116.13	3.36	0.52
Beals & Salt Valley	PP427	B6-388	B6-389	1123.86	1123.61	710.00	6.50	0.00	0.00	0.00	4.91	77.07	1.79	-9E+99	2.96	98.38	3.19	0.49
Beals & Salt Valley	PP428	B6-389	B6-373	1123.61	1123.00	140.00	6.00	0.00	0.00	0.00	7.23	77.07	1.29	-9E+99	9.89	279.55	2.74	0.46
Beals & Salt Valley	1726.1	B6-373	N751	1123.00	1110.10	95.56	4.00	0.13	-0.46	-5.31	8.74	83.17	1.16	-9E+99	42.00	527.77	15.64	3.91
Beals & Salt Valley	1726.2	B6-373	N751	1123.00	1110.10	95.56	2.50	0.13	-0.37	-1.89	8.27	16.32	0.74	-9E+99	30.70	150.70	15.64	6.26
Beals & Salt Valley	1726.3	B6-373	N751	1123.00	1110.10	95.56	2.00	0.13	-0.35	-1.16	10.10	10.51	0.60	-9E+99	26.46	83.12	15.64	7.82
Beals & Salt Valley	PP430	B6-374	B6-375	1123.00	1121.08	334.00	6.50	0.01	0.00	0.00	6.77	78.90	1.34	-9E+99	11.98	397.50	4.05	0.62
Beals & Salt Valley	PP431	B6-375	B6-376	1121.08	1120.95	703.00	6.50	0.00	0.00	0.00	3.65	78.90	2.32	-9E+99	2.15	71.29	4.05	0.62
Beals & Salt Valley	PP432	B6-376	B6-377	1120.95	1120.47	1022.00	6.50	0.00	0.00	0.00	3.90	78.90	2.22	-9E+99	3.42	113.62	3.83	0.59
Beals & Salt Valley	PP433	B6-377	B6-378	1120.47	1120.23	878.00	6.50	0.00	-0.47	-0.60	4.05	78.90	2.17	-9E+99	2.61	86.68	3.73	0.57
Beals & Salt Valley	PP434	B6-378	B6-91	1120.23	1120.20	317.00	6.50	0.00	-0.88	-0.90	4.62	78.90	1.98	-9E+99	1.54	51.00	3.36	0.52
Beals & Salt Valley	PP435	B6-91	WWTP	1120.20	1119.99	470.00	6.50	0.00	-0.72	-1.30	5.32	78.91	1.76	-9E+99	3.34	110.82	3.04	0.47
Beals & Salt Valley	PP436	B6-271	B6-270	1136.14	1135.43	339.50	3.00	0.00	0.00	0.00	3.97	11.07	0.66	-9E+99	4.32	30.50	1.25	0.42
Beals & Salt Valley	PP437	B6-270	B6-269	1135.43	1134.55	419.50	3.00	0.00	0.00	0.00	3.97	11.07	0.66	-9E+99	4.32	30.55	1.26	0.42
Beals & Salt Valley	PP438	B6-269	B6-268	1134.55	1133.64	437.00	3.00	0.00	0.00	0.00	3.93	11.07	0.67	-9E+99	4.31	30.44	1.29	0.43
Beals & Salt Valley	PP439	B6-268	B6-267	1133.64	1133.00	305.00	3.00	0.00	0.00	0.00	3.77	11.07	0.68	-9E+99	4.32	30.55	1.41	0.47
Beals & Salt Valley	PP440	B6-267	B6-266	1133.00	1132.51	417.00	3.00	0.00	0.00	0.00	3.54	11.07	0.70	-9E+99	3.23	22.86	1.41	0.47
Beals & Salt Valley	PP441	B6-266	B6-265	1132.51	1130.44	220.00	3.00	0.01	0.00	0.00	5.35	11.75	0.57	-9E+99	9.15	64.70	2.53	0.84
Beals & Salt Valley	PP442	B6-326	B6-325	1133.49	1133.03	515.00	4.50	0.00	0.00	0.00	2.95	24.48	1.17	-9E+99	3.70	58.77	2.51	0.56
Beals & Salt Valley	PP443	B6-325	B6-324	1133.03	1133.01	515.00	4.50	0.00	-0.38	-0.10	2.72	24.49	1.25	-9E+99	0.77	12.25	2.51	0.56
Beals & Salt Valley	PP444	B6-324	B6-323	1133.01	1132.57	513.80	4.50	0.00	-0.51	-0.57	3.05	24.49	1.14	-9E+99	3.62	57.55	2.40	0.53
Beals & Salt Valley	PP445	B6-331	B6-330	1138.47	1137.96	428.80	1.50	0.00	0.00	0.00	2.46	3.80	0.46	-9E+99	2.05	3.62	1.23	0.82
Beals & Salt Valley	PP446	B6-330	B6-328	1137.96	1137.34	424.50	1.50	0.00	0.00	0.00	2.63	3.80	0.45	-9E+99	2.27	4.01	1.15	0.77

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP447	B6-328	B6-327	1137.34	1136.82	358.00	1.50	0.00	0.00	0.00	2.85	3.80	0.44	-9E+99	2.27	4.00	1.11	0.74
Beals & Salt Valley	PP448	B6-327	B6-323	1136.82	1132.57	359.00	1.50	0.01	0.00	0.00	5.42	3.80	0.34	-9E+99	6.47	11.43	2.40	1.60
Beals & Salt Valley	PP449	B6-323	B6-322	1132.57	1132.11	561.70	4.50	0.00	0.00	0.00	3.25	28.27	1.21	-9E+99	3.54	56.28	2.51	0.56
Beals & Salt Valley	PP450	B6-322	B6-321	1132.11	1132.04	344.00	4.50	0.00	0.00	0.00	3.13	28.27	1.25	-9E+99	1.76	28.05	2.51	0.56
Beals & Salt Valley	PP451	B6-321	B6-320	1132.04	1131.91	75.80	4.50	0.00	0.00	0.00	3.35	28.27	1.18	-9E+99	5.12	81.44	2.44	0.54
Beals & Salt Valley	PP452	B6-320	B6-319	1131.91	1131.78	362.00	4.50	0.00	0.00	0.00	3.24	28.27	1.21	-9E+99	2.34	37.27	2.44	0.54
Beals & Salt Valley	PP453	B6-319	B6-318	1131.78	1131.67	75.80	4.50	0.00	0.00	0.00	3.44	28.27	1.16	-9E+99	4.71	74.91	2.37	0.53
Beals & Salt Valley	PP454	B6-318	B6-278	1131.67	1131.39	541.00	4.50	0.00	0.00	0.00	3.36	28.27	1.18	-9E+99	2.81	44.74	2.37	0.53
Beals & Salt Valley	PP455	B6-278	B6-279	1131.39	1131.14	446.00	4.50	0.00	0.00	0.00	3.68	28.27	1.10	-9E+99	2.93	46.56	2.22	0.49
Beals & Salt Valley	PP456	B6-279	B6-280	1131.14	1130.58	122.00	4.50	0.00	-0.29	-0.38	4.22	28.27	1.05	-9E+99	8.38	133.23	2.52	0.56
Beals & Salt Valley	PP457	B6-280	B6-265	1130.58	1130.44	225.00	4.50	0.00	-0.13	-0.22	3.15	28.87	1.24	-9E+99	3.08	49.05	2.53	0.56
Beals & Salt Valley	PP458	B6-265	B6-281	1130.44	1130.14	491.30	4.50	0.00	0.00	0.00	4.53	40.61	1.21	-9E+99	3.06	48.59	2.53	0.56
Beals & Salt Valley	PP459	B6-281	B6-282	1130.14	1129.73	128.00	4.50	0.00	0.00	0.00	5.99	40.61	1.04	-9E+99	7.00	111.30	2.10	0.47
Beals & Salt Valley	PP460	B6-282	B6-283	1129.73	1129.11	152.60	4.50	0.00	0.00	0.00	5.44	40.61	1.09	-9E+99	7.88	125.35	2.55	0.57
Beals & Salt Valley	PP461	B6-283	B6-284	1129.11	1128.69	426.00	4.50	0.00	0.00	0.00	4.38	40.61	1.24	-9E+99	3.88	61.75	2.55	0.57
Beals & Salt Valley	PP462	B6-284	B6-285	1128.69	1128.39	227.00	4.50	0.00	0.00	0.00	4.62	40.91	1.20	-9E+99	4.49	71.49	2.45	0.55
Beals & Salt Valley	PP463	B6-285	B6-286	1128.39	1127.39	720.00	4.50	0.00	0.00	0.00	4.59	40.91	1.21	-9E+99	4.61	73.29	2.55	0.57
Beals & Salt Valley	PP464	B6-286	B6-287	1127.39	1126.91	456.00	4.50	0.00	0.00	0.00	4.41	40.91	1.25	-9E+99	4.01	63.80	2.55	0.57
Beals & Salt Valley	PP465	B6-287	B6-288	1126.91	1126.35	522.72	4.50	0.00	0.00	0.00	4.59	40.91	1.21	-9E+99	4.05	64.37	2.48	0.55
Beals & Salt Valley	PP466	B6-288	B6-289	1126.35	1125.35	468.41	4.50	0.00	0.00	0.00	4.97	40.91	1.14	-9E+99	5.71	90.86	2.63	0.59
Beals & Salt Valley	PP467	B6-289	B6-293	1125.35	1125.14	472.07	4.50	0.00	0.00	0.00	4.51	42.40	1.27	-9E+99	2.61	41.48	2.63	0.59
Beals & Salt Valley	PP468	B6-293	B6-294	1125.14	1124.09	403.73	4.50	0.00	0.00	0.00	6.01	42.40	1.06	-9E+99	6.31	100.29	2.07	0.46
Beals & Salt Valley	PP469	B6-294	B6-2941	1124.09	1122.50	574.00	4.50	0.00	0.00	0.00	6.17	42.40	1.04	-9E+99	6.51	103.50	2.07	0.46
Beals & Salt Valley	OAK-S1	B6-2941	N1477	1122.50	1107.50	220.51	2.50	0.07	0.00	0.00	6.13	16.62	0.67	-9E+99	21.79	106.98	16.13	6.45
Beals & Salt Valley	OAK-S2	B6-2941	N1477	1122.50	1107.50	220.51	2.00	0.07	0.00	0.00	7.28	9.16	0.58	-9E+99	18.78	59.00	16.13	8.07
Beals & Salt Valley	OAK-S3	B6-2941	N1477	1122.50	1107.50	220.51	2.50	0.07	0.00	0.00	6.13	16.62	0.67	-9E+99	21.79	106.98	16.13	6.45
Beals & Salt Valley	PP471	B6-2942	B6-296	1121.50	1120.62	114.44	4.50	0.01	0.00	0.00	6.95	42.40	0.98	-9E+99	10.84	172.44	2.43	0.54
Beals & Salt Valley	PP472	B6-296	WWTP	1120.62	1119.99	447.00	4.50	0.00	0.00	0.00	4.95	42.40	1.20	-9E+99	4.64	73.83	2.43	0.54
Little Salt	PP473	C6-432	B6-117	1131.05	1130.80	448.50	2.50	0.00	0.00	0.00	2.24	7.38	0.71	-9E+99	1.97	9.68	1.60	0.64
Beals & Salt Valley	PP474	B6-117	B6-110	1130.80	1130.55	444.50	2.50	0.00	0.00	0.00	2.28	7.38	0.71	-9E+99	1.98	9.73	1.57	0.63
Beals & Salt Valley	PP475	B6-110	B6-106	1130.55	1130.29	463.71	2.50	0.00	0.00	0.00	2.36	7.38	0.70	-9E+99	1.98	9.71	1.53	0.61
Beals & Salt Valley	PP476	B6-106	B6-102	1130.29	1130.04	442.70	2.50	0.00	-0.18	-0.05	2.54	7.38	0.68	-9E+99	1.99	9.75	1.45	0.58
Beals & Salt Valley	PP477	B6-102	B6-103	1130.04	1129.96	126.30	2.50	0.00	-0.83	-0.27	2.99	7.38	0.63	-9E+99	2.10	10.32	1.27	0.51
Beals & Salt Valley	PP478	B6-103	B6-98	1129.96	1129.89	139.60	2.50	0.00	0.00	0.00	4.00	8.26	0.57	-9E+99	1.87	9.18	1.15	0.46
Beals & Salt Valley	PP479	B6-98	B6-100	1129.89	1123.00	240.40	2.50	0.03	0.00	0.00	7.08	8.26	0.39	-9E+99	14.15	69.44	1.83	0.73
Beals & Salt Valley	PP480	B5-485	B6-343	1127.72	1127.28	362.72	3.50	0.00	0.00	0.00	4.21	32.73	1.06	-9E+99	3.64	35.04	2.64	0.75
Beals & Salt Valley	PP481	B6-343	B6-342	1127.28	1126.86	300.84	3.50	0.00	0.00	0.00	4.24	32.73	1.05	-9E+99	3.91	37.59	2.66	0.76
Beals & Salt Valley	PP482	B6-342	B6-341	1126.86	1126.41	355.12	3.50	0.00	-0.33	-0.29	4.17	32.73	1.06	-9E+99	3.72	35.81	2.67	0.76
Beals & Salt Valley	PP483	B6-20	B6-341	1137.32	1126.41	410.00	1.75	0.03	0.00	0.00	0.00	0.00	0.06	-9E+99	10.75	25.85	2.67	0.00
Beals & Salt Valley	PP484	B6-341	B6-340	1126.41	1125.85	439.20	3.50	0.00	0.00	0.00	4.51	35.37	1.06	-9E+99	3.73	35.93	2.67	0.76
Beals & Salt Valley	PP485	B6-340	B6-339	1125.85	1125.67	134.80	3.50	0.00	0.00	0.00	4.69	35.37	1.05	-9E+99	3.82	36.76	2.57	0.73
Beals & Salt Valley	PP486	B6-339	B6-344	1125.67	1125.55	95.00	3.50	0.00	0.00	0.00	4.77	35.37	1.04	-9E+99	3.72	35.76	2.53	0.72
Beals & Salt Valley	PP487	B6-344	B6-246	1125.55	1125.30	523.55	5.00	0.00	0.00	0.00	3.69	35.37	1.26	-9E+99	2.90	56.91	2.48	0.50
Beals & Salt Valley	PP488	B6-246	B6-66	1125.30	1124.14	641.90	5.00	0.00	0.00	0.00	4.00	35.37	1.18	-9E+99	5.64	110.72	2.91	0.58
Beals & Salt Valley	PP489	B6-66	B6-87	1124.14	1123.92	596.14	5.00	0.00	0.00	0.00	2.99	35.37	1.49	-9E+99	2.55	50.03	2.91	0.58
Beals & Salt Valley	PP490	B6-87	B6-89	1123.92	1123.67	650.00	5.00	0.00	0.00	0.00	3.07	35.37	1.47	-9E+99	2.60	51.08	2.85	0.57
Beals & Salt Valley	PP491	B6-89	B6-90	1123.67	1123.41	675.00	5.00	0.00	0.00	0.00	3.19	35.37	1.43	-9E+99	2.60	51.11	2.77	0.55
Beals & Salt Valley	PP492	B6-90	B6-94	1123.41	1123.15	775.00	5.00	0.00	-0.22	-0.16	3.43	35.37	1.36	-9E+99	2.43	47.70	2.63	0.53
Beals & Salt Valley	PP493	B6-94	B6-100	1123.15	1123.00	387.75	5.00	0.00	-0.76	-0.83	4.16	35.37	1.16	-9E+99	2.61	51.22	2.28	0.46

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	PP494	C6-349	B6-115	1126.03	1125.67	434.00	3.50	0.00	0.00	0.00	3.44	20.46	0.97	-9E+99	3.01	28.98	2.09	0.60
Beals & Salt Valley	PP495	B6-115	B6-274	1125.67	1125.31	50.00	3.50	0.01	0.00	0.00	3.50	20.46	0.96	-9E+99	8.87	85.37	2.38	0.68
Beals & Salt Valley	PP496	B6-274	B6-111	1125.31	1125.31	420.00	3.50	0.00	0.00	0.00	2.98	20.46	1.02	-9E+99	0.33	3.18	2.38	0.68
Beals & Salt Valley	PP497	B6-111	B6-382	1125.31	1125.00	340.00	3.50	0.00	0.00	0.00	3.53	20.46	0.95	-9E+99	3.16	30.38	2.04	0.58
Beals & Salt Valley	PP498	B6-382	B6-108	1125.00	1124.94	95.00	3.50	0.00	0.00	0.00	3.64	20.46	0.94	-9E+99	2.63	25.28	1.99	0.57
Beals & Salt Valley	PP499	B6-108	B6-105	1124.94	1124.58	420.00	3.50	0.00	0.00	0.00	3.84	20.46	0.92	-9E+99	3.06	29.46	1.93	0.55
Beals & Salt Valley	PP500	B6-105	B6-100	1124.58	1123.00	683.00	3.50	0.00	0.00	0.00	4.65	20.46	0.84	-9E+99	5.03	48.39	1.83	0.52
Beals & Salt Valley	PP501	B6-100	WWTP	1123.00	1119.99	371.00	5.00	0.01	0.00	0.00	9.42	64.05	1.02	-9E+99	11.95	234.59	2.41	0.48
Beals & Salt Valley	L1522	WWTP	N1485	1119.99	1119.00	272.47	18.00	0.00	0.00	0.00	9.07	185.16	1.68	-9E+99	18.78	4779.07	2.41	0.13
Beals & Salt Valley	PP502	B4-739	B4-741	1129.22	1128.29	847.00	5.00	0.00	0.00	0.00	3.51	43.25	1.39	-9E+99	4.40	86.30	3.46	0.69
Beals & Salt Valley	PP504	B3-668	B3-682	1144.55	1143.62	56.24	1.50	0.02	0.00	0.00	0.00	0.00	0.00	-9E+99	7.64	13.51	-7.58	0.00
Beals & Salt Valley	PP505	B3-667	B3-490	1136.04	1139.47	672.00	3.50	-0.01	-0.58	-5.17	1.09	9.83	0.86	-9E+99	7.47	71.88	4.86	1.39
Beals & Salt Valley	PP506	C1-562	B1-272	1176.11	1173.42	432.00	1.50	0.01	0.00	0.00	5.05	6.44	0.44	-9E+99	4.69	8.29	1.26	0.84
Beals & Salt Valley	PP507	B1-272	B1-80	1173.42	1173.10	24.40	2.50	0.01	0.00	0.00	5.89	14.85	0.63	-9E+99	9.57	46.97	1.55	0.62
Beals & Salt Valley	L759	C1-565	C1-12	1212.34	1211.57	339.00	1.75	0.00	0.00	0.00	3.29	5.35	0.50	-9E+99	2.92	7.01	1.15	0.66
	P10	MH-4	B2S-37	1171.66	1171.12	398.27	4.00	0.00	0.01	0.01	0.16	-0.83	0.56	-9E+99	4.21	52.89	1.01	0.25
	P9	MH-5	MH-4	1172.00	1171.66	321.55	4.00	0.00	0.03	0.00	0.13	-0.04	0.27	-9E+99	3.72	46.71	0.47	0.12
	P8	MH-6	MH-5	1172.54	1172.00	507.42	4.00	0.00	0.00	0.00	0.00	0.00	0.02	-9E+99	3.73	46.86	0.13	0.00
	P7	MH-7	MH-6	1173.12	1172.54	548.50	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.72	46.71	0.00	0.00
	P6	MH-8	MH-7	1173.70	1173.12	542.02	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.74	46.99	0.00	0.00
	P5	MH-9	MH-8	1174.28	1173.70	518.48	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.82	48.04	0.00	0.00
	P4	MH-10	MH-9	1174.85	1174.28	525.97	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.76	47.29	0.00	0.00
	P3	MH-11	MH-10	1175.43	1174.85	563.92	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.67	46.07	0.00	0.00
	P2	MH-12	MH-11	1175.99	1175.43	530.74	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.71	46.66	0.00	0.00
	P1	SB4-57	MH-12	1176.50	1175.99	512.12	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.61	45.33	0.00	0.00
	SWP5	SW-1	B1-7	1144.25	1143.50	500.00	5.00	0.00	0.03	0.02	0.10	-0.32	0.63	-9E+99	5.14	100.87	1.13	0.23
	SWP4	SW-2	SW-1	1145.68	1144.25	950.00	5.00	0.00	0.00	0.00	0.00	0.00	0.04	-9E+99	5.15	101.05	0.38	0.00
	SWP3	SW-3	SW-2	1147.86	1145.68	1450.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.14	100.98	0.00	0.00
	SWP2	SW-4	SW-3	1150.26	1147.86	1600.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.14	100.87	0.00	0.00
	SWP1	SW-5	SW-4	1152.36	1150.26	1400.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.14	100.87	0.00	0.00
	SWP8	SW-6	SW-7	1168.36	1163.26	2040.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.72	71.82	0.00	0.00
	SWP7	SW-7	SW-8	1163.26	1157.81	2180.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.72	71.82	0.00	0.00
	SWP6	SW-8	SW-5	1157.81	1153.36	1780.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.72	71.82	-1.00	0.00
	SWP9	SW-9	SW-5	1158.36	1152.36	2000.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	6.26	78.68	0.00	0.00
	1727.1	N751	N752	1110.10	1110.10	243.00	4.00	0.00	0.00	0.00	4.25	54.38	1.21	-9E+99	0.36	4.54	15.64	3.91
	1727.2	N751	N752	1110.10	1110.10	243.00	2.50	0.00	0.00	0.00	3.11	15.75	0.76	-9E+99	0.26	1.30	15.64	6.26
	1727.3	N751	N752	1110.10	1110.10	243.00	2.00	0.00	0.00	0.00	2.68	8.77	0.61	-9E+99	0.23	0.72	15.64	7.82
	1728.1	N752	B6-374	1110.10	1123.00	61.43	4.00	-0.21	-3.58	-43.51	4.27	52.32	1.01	-9E+99	52.38	658.25	15.20	3.80
	1728.2	N752	B6-374	1110.10	1123.00	61.43	2.50	-0.21	-2.97	-14.82	3.40	17.11	0.64	-9E+99	38.29	187.96	15.20	6.08
	1782.3	N752	B6-374	1110.10	1123.00	61.43	2.00	-0.21	-2.51	-8.18	2.89	9.48	0.51	-9E+99	33.00	103.67	15.20	7.60
	PPL6	SB1-10	SB4-66	1200.23	1192.35	667.91	1.75	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	7.16	17.21	0.00	0.00
	PPL5	SB1-11	SB1-10	1203.27	1200.23	576.43	1.75	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	4.78	11.51	0.00	0.00
	PPL4	SB1-12	SB1-11	1204.91	1203.27	303.40	1.75	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	4.84	11.65	0.00	0.00
	PPL2	SB1-14	SB1-13	1209.55	1206.98	487.21	1.75	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	4.78	11.51	0.00	0.00
	PPL1	SB1-15	SB1-14	1210.56	1209.55	175.06	1.75	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.00	12.04	0.00	0.00
	PPL15	SB4-58	SB4-57	1179.80	1177.99	864.38	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.82	18.77	-1.49	0.00
	PPL14	SB4-59	SB4-58	1181.39	1179.80	721.60	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.92	19.25	0.00	0.00
	PPL13	SB4-60	SB4-59	1182.52	1181.39	500.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.97	19.50	0.00	0.00
	PPL12	SB4-61	SB4-60	1183.76	1182.52	554.88	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.95	19.39	0.00	0.00

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
	PPL11	SB4-62	SB4-61	1184.07	1183.76	123.54	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.19	20.55	0.00	0.00
	PPL10	SB4-63	SB4-62	1184.92	1184.07	444.83	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.65	17.93	0.00	0.00
	PPL9	SB4-64	SB4-63	1186.39	1184.92	444.83	2.25	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.48	17.80	0.00	0.00
	PPL8	SB4-65	SB4-64	1188.45	1186.39	746.31	2.25	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.09	16.27	0.00	0.00
	PPL7	SB4-66	SB4-65	1192.35	1188.45	843.87	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.90	15.38	0.00	0.00
	PPL3	SB1-13	SB1-12	1206.98	1204.91	387.56	1.75	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	4.81	11.58	0.00	0.00
	1780.1	B5-139-2	B5-139-3	1137.70	1125.40	29.00	2.50	0.42	0.00	0.00	9.57	16.05	0.61	-9E+99	54.42	267.13	13.47	5.39
	1780.2	B5-139-2	B5-139-3	1138.27	1125.97	29.00	1.75	0.42	0.00	0.00	4.47	4.23	0.35	-9E+99	42.90	103.19	12.90	7.37
	1780.3	B5-139-2	B5-139-3	1138.00	1125.70	29.00	3.00	0.42	0.00	0.00	5.37	12.44	0.53	-9E+99	61.45	434.38	13.17	4.39
	1781.1	B5-139-3	B5-139-4	1125.40	1125.40	175.00	3.00	0.00	0.00	0.00	2.02	14.60	0.91	-9E+99	0.30	2.11	13.47	4.49
	1781.2	B5-139-3	B5-139-4	1125.97	1125.97	175.00	1.75	0.00	0.00	0.00	1.41	3.53	0.53	-9E+99	0.21	0.50	12.90	7.37
	1781.3	B5-139-3	B5-139-4	1125.70	1125.70	175.00	3.00	0.00	0.00	0.00	2.02	14.59	0.91	-9E+99	0.30	2.11	13.17	4.39
	1782.1	B5-139-4	B5-139-5	1125.40	1136.70	29.00	2.50	-0.39	-1.94	-9.55	2.26	11.26	0.64	-9E+99	52.16	256.04	13.37	5.35
	1782.2	B5-139-4	B5-139-5	1125.97	1136.55	29.00	1.75	-0.36	-1.51	-3.78	1.75	4.35	0.45	-9E+99	39.79	95.71	12.80	7.31
	1782.4	B5-139-4	B5-139-5	1125.70	1136.80	29.00	3.00	-0.38	-2.02	-14.01	2.45	17.11	0.76	-9E+99	58.38	412.65	13.07	4.36
	L803	B5-139-5	B5-517	1136.55	1136.47	105.00	4.00	0.00	0.00	0.00	4.60	32.72	1.06	-9E+99	3.16	39.65	2.22	0.56
Middle & West O	LON6	A4-81	A4-80	1139.85	1138.90	600.00	3.00	0.00	0.00	0.00	2.88	4.99	0.80	-9E+99	3.75	26.54	2.54	0.85
Middle & West O	LON5	A4-134	A4-81	1140.20	1139.85	418.00	3.00	0.00	0.00	0.00	2.41	4.99	0.71	-9E+99	2.73	19.30	1.63	0.54
Middle & West O	LON4	A4-135	A4-134	1140.66	1140.20	420.00	3.00	0.00	0.00	0.00	2.47	4.99	0.61	-9E+99	3.12	22.07	1.36	0.45
Middle & West O	LON3	A4-136	A4-135	1141.12	1140.66	419.82	3.00	0.00	0.00	0.00	2.51	4.99	0.55	-9E+99	3.12	22.08	1.09	0.36
Middle & West O	LON2	A4-137	A4-136	1141.68	1141.12	510.18	3.00	0.00	0.00	0.00	2.52	4.99	0.55	-9E+99	3.13	22.10	0.98	0.33
Middle & West O	LON7	A4-80	A4-79	1138.90	1138.10	500.00	3.00	0.00	0.00	0.00	2.88	4.97	0.90	-9E+99	3.77	26.68	3.32	1.11
Middle & West O	LON8	A4-79	A4-78	1138.10	1137.30	500.00	3.00	0.00	0.00	0.00	2.87	4.94	0.90	-9E+99	3.77	26.68	4.10	1.37
Middle & West O	LON9	A4-78	A4-77	1137.30	1136.50	500.00	3.00	0.00	0.00	0.00	2.86	4.89	0.90	-9E+99	3.77	26.68	4.88	1.63
Middle & West O	LON10	A4-77	A4-76	1136.50	1135.70	500.00	3.00	0.00	0.00	0.00	2.85	4.81	0.90	-9E+99	3.77	26.68	5.66	1.89
Middle & West O	LON11	A4-76	A4-75	1135.70	1134.88	500.00	3.00	0.00	0.00	0.00	2.86	4.76	0.90	-9E+99	3.82	27.01	6.46	2.15
Middle & West O	LLN11	A4-65	A5-129	1126.99	1126.18	360.00	1.00	0.00	0.00	0.00	5.10	4.21	0.30	-9E+99	2.15	1.69	9.13	9.13
Middle & West O	LLN10	A4-66	A4-65	1127.88	1126.99	413.90	1.00	0.00	0.00	0.00	4.98	4.21	0.30	-9E+99	2.10	1.65	13.29	13.29
Middle & West O	LLN9	A4-67	A4-66	1128.68	1127.88	500.10	3.00	0.00	0.00	0.00	2.43	4.21	0.90	-9E+99	3.77	26.68	13.29	4.43
Middle & West O	LLN8	A4-68	A4-67	1129.38	1128.68	436.00	3.00	0.00	0.00	0.00	2.56	4.21	0.90	-9E+99	3.78	26.73	12.51	4.17
Middle & West O	LLN7	A4-69	A4-68	1129.91	1129.38	330.00	3.00	0.00	0.00	0.00	2.54	4.50	0.90	-9E+99	3.78	26.73	11.83	3.94
Middle & West O	LLN6	A4-70	A4-69	1130.76	1129.91	534.00	3.00	0.00	0.00	0.00	2.55	4.51	0.90	-9E+99	3.76	26.61	11.31	3.77
Middle & West O	LLN5	A4-71	A4-70	1131.39	1130.76	393.00	3.00	0.00	0.00	0.00	2.60	4.51	0.90	-9E+99	3.78	26.70	10.48	3.49
Middle & West O	LLN4	A4-72	A4-71	1132.24	1131.39	528.90	3.00	0.00	0.00	0.00	2.67	4.51	0.90	-9E+99	3.78	26.74	9.87	3.29
Middle & West O	LLN3	A4-73	A4-72	1133.10	1132.24	539.70	3.00	0.00	0.00	0.00	2.74	4.51	0.90	-9E+99	3.77	26.62	9.04	3.01
Middle & West O	LLN2	A4-74	A4-73	1134.02	1133.10	574.40	3.00	0.00	0.00	0.00	2.80	4.63	0.90	-9E+99	3.78	26.69	8.20	2.73
Middle & West O	LLN1	A4-75	A4-74	1134.88	1134.02	540.00	3.00	0.00	0.00	0.00	2.82	4.71	0.90	-9E+99	3.77	26.62	7.30	2.43
Middle & West O	LON1	AA4-3	A4-137	1142.23	1141.68	508.79	3.00	0.00	0.00	0.00	2.51	5.00	0.55	-9E+99	3.10	21.93	0.97	0.33
Middle & West O	LPP90	AA4-28	AA4-29	1143.89	1143.36	652.00	3.00	0.00	0.00	0.00	2.22	5.00	0.59	-9E+99	2.69	19.02	1.10	0.37
Middle & West O	LPP81	AA4-18	AA4-20	1147.08	1146.74	420.00	3.00	0.00	0.00	0.00	2.26	5.00	0.58	-9E+99	2.68	18.98	1.06	0.35
Middle & West O	LPP82	AA4-20	AA4-21	1146.74	1146.44	380.00	3.00	0.00	0.00	0.00	2.25	5.00	0.58	-9E+99	2.65	18.74	1.06	0.35
Middle & West O	LPP83	AA4-21	AA4-22	1146.44	1146.11	409.00	3.00	0.00	0.00	0.00	2.26	5.00	0.58	-9E+99	2.68	18.95	1.05	0.35
Middle & West O	LPP84	AA4-22	AA4-23	1146.11	1145.55	700.00	3.00	0.00	0.00	0.00	2.25	5.00	0.58	-9E+99	2.67	18.87	1.06	0.35
Middle & West O	LPP85	AA4-23	AA4-24	1145.55	1145.12	541.00	3.00	0.00	0.00	0.00	2.25	5.00	0.58	-9E+99	2.66	18.80	1.06	0.35
Middle & West O	LPP86	AA4-24	AA4-25	1145.12	1144.86	327.00	3.00	0.00	0.00	0.00	2.25	5.00	0.58	-9E+99	2.66	18.81	1.05	0.35
Middle & West O	LPP87	AA4-25	AA4-26	1144.86	1144.55	380.00	3.00	0.00	0.00	0.00	2.26	5.00	0.58	-9E+99	2.70	19.05	1.06	0.35
Middle & West O	LPP88	AA4-26	AA4-27	1144.55	1144.39	200.00	3.00	0.00	0.00	0.00	2.24	5.00	0.58	-9E+99	2.67	18.87	1.06	0.35
Middle & West O	LPP89	AA4-27	AA4-28	1144.39	1143.89	635.00	3.00	0.00	0.00	0.00	2.24	5.00	0.58	-9E+99	2.65	18.72	1.06	0.35
Middle & West O	LPP91	AA4-29	AA4-30	1143.36	1143.20	206.00	3.00	0.00	0.00	0.00	2.13	5.00	0.60	-9E+99	2.63	18.59	1.12	0.37

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Middle & West O	LPP92	AA4-30	AA4-31	1143.20	1142.84	650.00	3.00	0.00	0.00	0.00	2.11	5.00	0.60	-9E+99	2.22	15.70	1.12	0.37
Middle & West O	LPP95	AA4-33	AA4-3	1142.26	1142.23	11.12	3.00	0.00	0.00	0.00	2.76	5.00	0.54	-9E+99	4.90	34.64	0.97	0.33
Middle & West O	LPP93	AA4-31	AA4-32	1142.84	1142.34	444.00	3.00	0.00	0.00	0.00	2.54	5.00	0.54	-9E+99	3.17	22.38	0.97	0.32
Middle & West O	LPP94	AA4-32	AA4-33	1142.34	1142.26	83.35	3.00	0.00	0.00	0.00	2.53	5.00	0.54	-9E+99	2.92	20.66	0.97	0.32
Middle & West O	LPP80	AA4-17	AA4-18	1147.28	1147.08	50.00	3.00	0.00	0.00	0.00	4.02	5.00	0.51	-9E+99	5.97	42.18	1.05	0.35
Middle & West O	LCN12	A4-41	A4-42	1142.70	1141.49	449.40	1.75	0.00	0.00	0.00	3.48	4.52	0.45	-9E+99	3.42	8.22	0.95	0.54
Middle & West O	LCN13	A4-42	A4-43	1141.49	1140.94	213.40	1.75	0.00	0.00	0.00	3.37	4.52	0.46	-9E+99	3.34	8.04	1.00	0.57
Middle & West O	LCN14	A4-43	A4-172	1140.94	1140.38	232.30	1.75	0.00	0.00	0.00	3.26	4.52	0.48	-9E+99	3.23	7.78	1.11	0.63
Middle & West O	LCN15	A4-21	LSTA	1131.00	1142.75	49.72	1.75	-0.24	-3.88	-4.65	4.36	6.00	0.44	-9E+99	32.02	77.03	12.65	7.23
Middle & West O	LCN10	A4-20	A4-21	1131.68	1131.00	591.37	1.75	0.00	-0.45	-1.09	2.40	6.00	0.52	-9E+99	2.23	5.37	12.97	7.41
Middle & West O	LCN9	A4-19	A4-20	1131.84	1131.68	77.96	1.75	0.00	-0.48	-1.17	2.98	6.00	0.53	-9E+99	2.98	7.18	12.97	7.41
Middle & West O	LCN8	A4-18	A4-19	1132.93	1131.84	546.67	1.75	0.00	-0.44	-1.05	3.11	6.00	0.50	-9E+99	2.94	7.08	12.91	7.38
Middle & West O	LCN7	A4-17	A4-18	1134.08	1132.93	575.00	1.75	0.00	-0.42	-1.01	3.13	6.00	0.50	-9E+99	2.95	7.09	12.55	7.17
Middle & West O	LCN6	A4-16	A4-17	1135.23	1134.08	575.00	1.75	0.00	-0.13	-0.32	3.13	6.00	0.52	-9E+99	2.95	7.09	12.16	6.95
Middle & West O	LCN5	A4-15	A4-16	1136.13	1135.23	500.00	1.75	0.00	-0.07	-0.18	3.02	6.00	0.52	-9E+99	2.79	6.72	11.78	6.73
Middle & West O	LCN4	A4-14	A4-15	1137.06	1136.13	411.96	1.75	0.00	-0.10	-0.23	3.28	6.00	0.52	-9E+99	3.13	7.53	11.55	6.60
Middle & West O	LCN3	A4-13	A4-14	1138.03	1137.06	488.04	1.75	0.00	0.00	0.00	3.15	6.00	0.52	-9E+99	2.94	7.06	11.17	6.38
Middle & West O	LCN1	A4-82	A4-164	1139.70	1138.83	407.00	1.75	0.00	0.00	0.00	3.28	6.00	0.52	-9E+99	3.05	7.33	10.59	6.05
Middle & West O	1894.1	LSTA	A4-206	1142.75	1142.75	25.43	1.75	0.00	0.00	0.00	0.00	2.73	0.00	-9E+99	0.00	0.00	-9E+99	0.00
Middle & West O	C-9	LSTA	A4-206	1142.75	1142.75	25.43	1.75	0.00	0.00	0.00	0.00	2.73	0.00	-9E+99	0.00	0.00	-9E+99	0.00
Middle & West O	C-9-1	LSTA	A4-206	0.05	0.00	10.00	0.05	0.01	0.00	0.00	0.00	2.73	0.00	-9E+99	0.00	0.00	-9E+99	0.00
Middle & West O	LCN11	A4-206	A4-41	1142.75	1142.70	1084.27	1.00	0.00	0.00	0.00	5.33	4.52	0.30	-9E+99	0.31	0.24	15.525	15.53
Middle & West O	LCN2	A4-164	A4-13	1138.83	1138.03	400.00	1.75	0.00	0.00	0.00	3.17	6.00	0.52	-9E+99	2.95	7.09	10.852	6.20
Middle & West O	LND2	B5-54	B5-56	1139.07	1137.10	407.00	1.00	0.00	0.00	0.00	3.23	1.39	0.26	-9E+99	3.16	2.48	0.596	0.60
Middle & West O	LND1	B5-52	B5-54	1140.30	1139.07	416.00	1.00	0.00	0.00	0.00	2.60	1.36	0.28	-9E+99	2.47	1.94	0.641	0.64
Middle & West O	LND4	B5-56	B5-615	1137.10	1134.78	407.00	1.00	0.01	0.00	0.00	3.01	1.34	0.26	-9E+99	3.42	2.69	0.596	0.60
Middle & West O	LND3	B5-615	B5-616	1134.78	1126.61	20.00	1.00	0.41	0.00	0.00	12.11	1.65	0.11	-9E+99	28.99	22.77	4.325	4.33
Middle & West O	LST2	A5-43	B5-52	1142.23	1140.30	470.00	1.00	0.00	0.00	0.00	3.05	1.43	0.27	-9E+99	2.91	2.28	0.641	0.64
Middle & West O	LST1	A5-42	A5-43	1142.42	1142.23	57.00	1.00	0.00	0.00	0.00	3.15	1.34	0.28	-9E+99	2.62	2.06	0.595	0.60
Middle & West O	3180.1	LSTA2	N1474	0.05	0.00	10.00	0.05	0.01	0.00	0.00	0.00	1.91	0.00	-9E+99	0.00	0.00	-9E+99	0.00
Middle & West O	C-8	LSTA2	N1474	0.05	0.00	10.00	0.05	0.01	0.00	0.00	0.00	1.91	0.00	-9E+99	0.00	0.00	-9E+99	0.00
Middle & West O	C8-1	LSTA2	N1474	0.05	0.00	10.00	0.05	0.01	0.00	0.00	0.00	1.91	0.00	-9E+99	0.00	0.00	-9E+99	0.00
Middle & West O	LST5	A5-141	LSTA2	1125.43	1125.00	79.20	1.00	0.01	0.00	0.00	5.38	4.21	0.30	-9E+99	3.34	2.63	1.52	1.52
Middle & West O	LST4	A5-129	A5-141	1126.18	1125.43	340.00	1.00	0.00	0.00	0.00	5.22	4.21	0.30	-9E+99	2.13	1.67	5.33	5.33
Oak Creek	LIN58	BB7-27	BB7-2	1173.22	1172.35	160.00	1.75	0.01	0.00	0.00	2.25	0.50	0.16	-9E+99	4.86	11.68	0.27	0.15
Oak Creek	LIN61	BB7-2	BB7-1	1172.35	1168.75	270.00	1.75	0.01	0.00	0.00	3.13	0.50	0.13	-9E+99	7.61	18.30	0.27	0.15
Oak Creek	LIN57	BB7-3	BB7-27	1176.02	1173.22	110.00	1.75	0.03	0.00	0.00	3.79	0.50	0.11	-9E+99	10.51	25.28	0.27	0.15
Oak Creek	LIN66	BB7-4	BB7-3	1180.00	1176.02	265.00	1.75	0.02	0.00	0.00	3.25	0.50	0.13	-9E+99	8.07	19.42	0.20	0.12
Oak Creek	LIN65	BB7-5	BB7-4	1184.00	1180.00	225.00	1.75	0.02	0.00	0.00	3.59	0.50	0.12	-9E+99	8.78	21.13	0.20	0.12
Oak Creek	LIN59	BB7-11	BB7-10	1193.00	1191.89	369.00	1.75	0.00	0.00	0.00	1.96	0.50	0.18	-9E+99	3.61	8.69	0.29	0.16
Oak Creek	LIN60	BB7-10	BB7-9	1191.89	1190.79	370.00	1.75	0.00	0.00	0.00	1.95	0.50	0.18	-9E+99	3.59	8.64	0.29	0.16
Oak Creek	LIN67	BB7-9	BB7-8	1190.79	1189.70	362.00	1.75	0.00	0.00	0.00	1.96	0.50	0.18	-9E+99	3.61	8.69	0.29	0.16
Oak Creek	LIN62	BB7-8	BB7-7	1189.70	1188.85	283.00	1.75	0.00	0.00	0.00	1.93	0.50	0.18	-9E+99	3.61	8.68	0.32	0.18
Oak Creek	LIN63	BB7-7	BB7-6	1188.85	1188.00	285.00	1.75	0.00	0.00	0.00	1.78	0.50	0.18	-9E+99	3.60	8.65	0.32	0.18
Oak Creek	LIN64	BB7-6	BB7-5	1188.00	1184.00	225.00	1.75	0.02	0.00	0.00	3.64	0.50	0.12	-9E+99	8.78	21.13	0.19	0.11
Oak Creek	LIN103	BB7-1	AA7-279	1168.75	1167.57	350.00	2.00	0.00	0.00	0.00	1.99	0.50	0.17	-9E+99	4.18	13.14	0.28	0.14
Oak Creek	LIN5	AA7-6	AA7-5	1149.49	1148.58	850.00	2.50	0.00	0.00	0.00	2.97	15.08	0.76	-9E+99	2.73	13.42	2.78	1.11
Oak Creek	LIN7	AA7-5	AA7-4	1148.58	1148.20	850.00	2.50	0.00	0.00	0.00	3.08	15.08	0.75	-9E+99	1.77	8.67	2.62	1.05
Oak Creek	LIN6	AA7-2	AA7-298	1147.60	1146.68	65.00	2.50	0.01	0.00	0.00	8.12	15.08	0.54	-9E+99	9.94	48.80	1.16	0.47

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Oak Creek	LIN9	AA7-4	AA7-3	1148.20	1147.83	100.00	2.50	0.00	0.00	0.00	3.92	15.08	0.75	-9E+99	5.08	24.95	2.05	0.82
Oak Creek	LIN8	AA7-3	AA7-2	1147.83	1147.60	500.00	2.50	0.00	0.00	0.00	3.72	15.08	0.74	-9E+99	1.79	8.80	2.05	0.82
Oak Creek	LIN16	AA7-298	AA6-68	1146.68	1143.79	572.00	3.00	0.01	0.00	0.00	5.36	15.08	0.65	-9E+99	6.71	47.41	2.13	0.71
Oak Creek	LIN11	AA7-15	AA7-14	1149.19	1149.21	242.00	2.25	0.00	-3.72	-14.96	3.75	15.08	0.68	-9E+99	0.71	2.82	6.64	2.95
Oak Creek	LIN4	AA7-14	AA7-13	1149.21	1148.99	577.00	2.25	0.00	0.00	0.00	3.75	15.08	0.68	-9E+99	1.52	6.05	6.08	2.70
Oak Creek	LIN12	AA7-13	AA7-10	1148.99	1149.02	265.00	2.25	0.00	-3.73	-14.96	3.76	15.08	0.68	-9E+99	0.83	3.30	4.93	2.19
Oak Creek	LIN13	AA7-10	AA7-9	1149.02	1148.94	179.00	2.25	0.00	0.00	0.00	3.77	15.08	0.68	-9E+99	1.65	6.55	4.31	1.91
Oak Creek	LIN14	AA7-9	AA7-7	1148.94	1148.91	118.00	2.25	0.00	0.00	0.00	3.77	15.08	0.68	-9E+99	1.24	4.94	3.97	1.76
Oak Creek	LIN15	AA7-7	AA7-6	1148.91	1149.49	155.00	2.25	0.00	-3.74	-14.96	3.77	15.08	0.67	-9E+99	4.76	18.94	3.36	1.49
Oak Creek	LIN10	AA7-16	AA7-15	1149.94	1149.19	852.00	2.25	0.00	0.00	0.00	3.73	15.08	0.68	-9E+99	2.31	9.19	7.87	3.50
Oak Creek	LIN19	A9-114	A9-113	1186.23	1185.60	525.00	1.50	0.00	0.00	0.00	1.34	0.40	0.20	-9E+99	2.06	3.64	0.36	0.24
Oak Creek	LIN17	A8-280	A8-279	1185.04	1184.82	120.00	1.50	0.00	0.00	0.00	1.48	0.40	0.19	-9E+99	2.55	4.50	0.35	0.24
Oak Creek	LIN18	A9-113	A8-280	1185.60	1185.12	400.00	1.50	0.00	0.00	0.00	1.29	0.40	0.20	-9E+99	2.06	3.64	0.36	0.24
Oak Creek	LIN43	A6-197	A6-196	1137.61	1137.17	530.00	4.00	0.00	0.00	0.00	3.28	19.71	0.98	-9E+99	3.29	41.39	1.93	0.48
Oak Creek	LIN44	A6-196	A6-195	1137.17	1136.56	630.00	4.00	0.00	0.00	0.00	3.30	19.71	0.97	-9E+99	3.56	44.70	1.99	0.50
Oak Creek	LIN45	A6-195	A6-194	1136.56	1136.24	530.00	4.00	0.00	-0.73	-0.74	3.19	19.71	0.99	-9E+99	2.81	35.30	1.99	0.50
Oak Creek	LIN48	A6-194	A6-193	1136.24	1135.28	479.00	4.00	0.00	0.00	0.00	4.20	24.39	0.96	-9E+99	5.12	64.31	2.22	0.55
Oak Creek	LIN52	A6-191	A6-190	1134.71	1134.36	393.00	4.50	0.00	0.00	0.00	3.12	24.39	1.12	-9E+99	3.69	58.69	2.32	0.52
Oak Creek	LIN46	A6-189	A6-188	1134.11	1133.79	515.00	4.50	0.00	0.00	0.00	3.02	24.48	1.15	-9E+99	3.08	49.02	2.30	0.51
Oak Creek	LIN47	A6-188	B6-326	1133.79	1133.49	514.00	4.50	0.00	0.00	0.00	2.99	24.48	1.16	-9E+99	2.99	47.51	2.31	0.51
Oak Creek	LIN49	A6-193	A6-192	1135.28	1134.98	379.00	4.50	0.00	0.00	0.00	3.11	24.39	1.12	-9E+99	3.48	55.33	2.28	0.51
Oak Creek	LIN50	A6-192	A6-191	1134.98	1134.71	546.00	4.50	0.00	0.00	0.00	3.02	24.39	1.15	-9E+99	2.75	43.73	2.28	0.51
Oak Creek	LIN51	A6-190	A6-189	1134.36	1134.11	501.00	4.50	0.00	0.00	0.00	2.96	24.48	1.17	-9E+99	2.76	43.93	2.32	0.52
Oak Creek	LIN53	A6-198	A6-197	1138.15	1137.61	671.00	4.00	0.00	0.00	0.00	3.15	18.72	0.97	-9E+99	3.24	40.75	1.93	0.48
Oak Creek	LIN54	A6-171	LIFTSTA	1137.82	1137.72	39.00	1.75	0.00	0.00	0.00	0.04	0.00	0.21	-9E+99	3.34	8.02	0.37	0.21
Oak Creek	LIN56	LIFTSTA	A6-7	1137.72	1136.30	568.00	1.00	0.00	0.01	0.00	0.08	-0.02	0.24	-9E+99	2.27	1.78	1.79	1.79
Oak Creek	LIN55	A6-7	A6-194	1136.30	1136.24	25.00	1.00	0.00	0.00	0.00	0.21	-0.91	0.30	-9E+99	2.22	1.75	1.85	1.85
Oak Creek	LIN68	AA7-270	AA7-269	1157.90	1156.01	240.00	2.50	0.01	0.00	0.00	3.52	2.08	0.75	-9E+99	7.42	36.40	7.98	3.19
Oak Creek	LIN69	AA7-269	AA7-268	1156.01	1155.06	400.00	3.00	0.00	0.00	0.00	2.26	2.08	0.90	-9E+99	4.60	32.50	8.92	2.97
Oak Creek	LIN70	AA7-268	AA7-267	1155.06	1154.16	386.00	3.00	0.00	0.00	0.00	2.14	2.08	0.90	-9E+99	4.56	32.21	9.82	3.27
Oak Creek	LIN72	AA7-267	AA7-26	1154.16	1152.35	274.00	1.75	0.01	-0.02	-0.06	3.01	2.08	0.52	-9E+99	5.35	12.88	11.59	6.62
Oak Creek	LIN71	AA7-271	AA7-270	1159.26	1157.90	240.00	2.50	0.01	0.00	0.00	3.24	2.08	0.75	-9E+99	6.29	30.88	6.09	2.44
Oak Creek	LIN73	AA7-226	AA7-225	1155.84	1155.42	205.00	1.50	0.00	0.00	0.00	3.40	5.38	0.46	-9E+99	2.69	4.75	11.68	7.79
Oak Creek	LIN86	AA7-26	AA7-25	1152.35	1152.05	277.00	1.75	0.00	0.00	0.00	2.68	6.63	0.53	-9E+99	2.17	5.21	11.59	6.62
Oak Creek	LIN74	AA7-225	AA7-195	1155.42	1155.32	189.00	1.50	0.00	0.00	0.00	2.85	5.24	0.46	-9E+99	1.37	2.42	11.65	7.77
Oak Creek	LIN75	AA7-195	AA7-194	1155.32	1155.01	226.00	1.50	0.00	0.00	0.00	2.83	5.14	0.46	-9E+99	2.20	3.89	11.38	7.59
Oak Creek	LIN76	AA7-194	AA7-148	1155.01	1154.76	178.00	1.50	0.00	0.00	0.00	2.85	5.14	0.46	-9E+99	2.23	3.94	11.26	7.51
Oak Creek	LIN77	AA7-148	AA7-137	1154.76	1154.42	217.00	1.50	0.00	0.00	0.00	2.83	5.14	0.46	-9E+99	2.35	4.16	11.20	7.47
Oak Creek	LIN78	AA7-137	AA7-136	1154.42	1154.25	125.00	1.50	0.00	0.00	0.00	2.71	4.70	0.46	-9E+99	2.19	3.87	11.19	7.46
Oak Creek	LIN79	AA7-136	AA7-135	1154.25	1154.14	143.00	1.50	0.00	0.00	0.00	2.93	5.37	0.46	-9E+99	1.65	2.91	11.19	7.46
Oak Creek	LIN80	AA7-135	AA7-117	1154.14	1154.26	202.00	1.50	0.00	-2.01	-3.70	2.95	5.42	0.45	-9E+99	1.45	2.56	11.01	7.34
Oak Creek	LIN81	AA7-117	AA7-116	1154.26	1153.64	177.00	1.50	0.00	0.00	0.00	3.43	5.42	0.45	-9E+99	3.52	6.22	11.20	7.47
Oak Creek	LIN82	AA7-116	AA7-107	1153.64	1153.31	235.00	1.50	0.00	0.00	0.00	2.96	5.42	0.46	-9E+99	2.23	3.94	11.29	7.52
Oak Creek	LIN83	AA7-107	AA7-106	1153.31	1153.07	192.00	1.50	0.00	0.00	0.00	2.96	5.42	0.46	-9E+99	2.10	3.71	11.33	7.56
Oak Creek	LIN85	AA7-106	AA7-91	1153.07	1152.76	201.00	1.50	0.00	0.00	0.00	2.96	5.42	0.46	-9E+99	2.33	4.13	11.45	7.63
Oak Creek	LIN84	AA7-91	AA7-26	1152.76	1152.35	285.00	1.50	0.00	-0.17	-0.07	2.97	5.42	0.46	-9E+99	2.25	3.98	11.59	7.73
Oak Creek	LIN111	AA7-24	AA7-23	1151.74	1151.89	31.44	1.50	0.00	-2.03	-3.74	2.48	4.52	0.45	-9E+99	4.11	7.26	11.40	7.60
Oak Creek	L1515	AA7-24	N1478	1151.74	1136.74	15.00	0.67	1.00	0.00	0.00	10.50	2.26	0.20	-9E+99	34.63	12.10	26.13	39.18
Oak Creek	LIN88	AA7-21	AA7-16	1150.26	1149.94	260.00	2.25	0.00	0.00	0.00	3.73	15.08	0.68	-9E+99	2.73	10.87	8.15	3.62

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Oak Creek	LIN87	AA7-25	AA7-24	1152.05	1151.74	316.00	1.75	0.00	0.00	0.00	2.69	6.63	0.53	-9E+99	2.06	4.96	11.53	6.59
Oak Creek	LIN89	AA7-93	AA7-21	1150.75	1150.26	309.00	1.75	0.00	-0.48	-0.43	2.70	6.62	0.52	-9E+99	2.62	6.31	8.15	4.66
Oak Creek	LIN90	AA7-104	AA7-93	1151.13	1150.75	400.00	1.75	0.00	-0.23	-0.12	2.70	6.62	0.53	-9E+99	2.03	4.88	8.37	4.78
Oak Creek	LIN91	AA7-115	AA7-104	1151.67	1151.13	400.00	1.75	0.00	0.00	0.00	2.69	6.62	0.53	-9E+99	2.42	5.82	8.45	4.83
Oak Creek	LIN92	AA7-139	AA7-115	1152.02	1151.67	336.00	1.75	0.00	0.00	0.00	2.69	6.62	0.53	-9E+99	2.13	5.11	8.62	4.93
Oak Creek	LIN93	AA7-146	AA7-139	1152.36	1152.02	344.00	1.75	0.00	0.00	0.00	2.69	6.62	0.53	-9E+99	2.07	4.98	8.81	5.04
Oak Creek	L1518	AA7-23	N1482	1151.89	1136.89	15.00	1.00	1.00	0.00	0.00	16.83	5.86	0.30	-9E+99	45.36	35.63	26.01	26.01
Oak Creek	LIN109	AA7-22	AA7-21	1149.76	1150.26	30.08	1.00	-0.02	-6.96	-5.75	7.16	5.85	0.29	-9E+99	5.85	4.59	8.87	8.87
Oak Creek	LIN112	AA7-303	AA7-23	1152.80	1151.89	591.00	1.50	0.00	0.13	0.23	0.15	-0.75	0.45	-9E+99	2.33	4.12	11.25	7.50
Oak Creek	LIN113	AA7-272	AA7-271	1160.70	1159.26	232.00	2.00	0.01	0.14	-0.37	2.05	0.63	0.60	-9E+99	5.67	17.82	4.74	2.37
Oak Creek	LIN104	AA7-273	AA7-272	1162.06	1160.70	328.00	2.00	0.00	0.00	0.00	2.01	0.63	0.60	-9E+99	4.64	14.57	3.30	1.65
Oak Creek	LIN105	AA7-274	AA7-273	1163.44	1162.06	333.00	2.00	0.00	0.00	0.00	2.06	0.49	0.35	-9E+99	4.64	14.56	1.94	0.97
Oak Creek	LIN98	AA7-275	AA7-274	1164.51	1163.44	258.00	2.00	0.00	0.00	0.00	2.13	0.50	0.16	-9E+99	4.64	14.57	0.57	0.28
Oak Creek	LIN99	AA7-276	AA7-275	1165.26	1164.51	284.00	2.00	0.00	0.00	0.00	1.76	0.50	0.18	-9E+99	3.70	11.63	0.30	0.15
Oak Creek	LIN100	AA7-277	AA7-276	1166.08	1165.26	306.00	2.00	0.00	0.00	0.00	1.84	0.50	0.18	-9E+99	3.73	11.71	0.30	0.15
Oak Creek	LIN101	AA7-278	AA7-277	1166.86	1166.08	294.00	2.00	0.00	0.00	0.00	1.84	0.50	0.18	-9E+99	3.71	11.65	0.28	0.14
Oak Creek	LIN102	AA7-279	AA7-278	1167.57	1166.86	270.00	2.00	0.00	0.00	0.00	1.84	0.50	0.18	-9E+99	3.69	11.60	0.28	0.14
Oak Creek	LIN97	AA7-301	AA7-300	1156.92	1156.70	570.00	2.50	0.00	0.00	0.00	2.13	7.21	0.76	-9E+99	1.64	8.06	12.64	5.06
Oak Creek	LIN96	AA7-300	AA7-299	1156.70	1154.10	20.00	1.50	0.13	0.00	0.00	8.71	7.04	0.45	-9E+99	21.43	37.87	15.18	10.12
Oak Creek	LIN106	AA7-299	AA7-244	1154.10	1153.94	40.00	1.25	0.00	-0.33	-0.06	4.83	6.31	0.38	-9E+99	3.33	4.09	15.18	12.14
Oak Creek	LIN95	AA7-224	AA7-193	1153.63	1152.73	433.00	1.25	0.00	0.00	0.00	5.13	6.62	0.38	-9E+99	2.40	2.95	11.97	9.58
Oak Creek	LIN94	AA7-193	AA7-146	1152.73	1152.36	369.00	1.75	0.00	0.00	0.00	2.69	6.62	0.53	-9E+99	2.09	5.02	9.01	5.15
Oak Creek	LIN107	AA7-244	AA7-224	1153.94	1153.63	386.00	1.25	0.00	0.00	0.00	5.05	6.62	0.38	-9E+99	1.49	1.83	15.05	12.04
Oak Creek	LIN38	A7-150	A6-122	1151.65	1150.22	110.00	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	8.21	25.79	0.00	0.00
Oak Creek	LIN1	A7-151	A7-150	1151.69	1151.65	41.40	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.24	7.03	0.00	0.00
Oak Creek	LIN2	A7-171	A7-151	1151.99	1151.69	229.33	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.60	8.18	0.00	0.00
Oak Creek	LIN3	A7-170	A7-171	1153.70	1151.99	229.34	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	6.22	19.53	0.00	0.00
Oak Creek	LIN20	AA6-66	A6-233	1143.23	1142.68	571.00	4.00	0.00	0.00	0.00	2.84	15.08	0.92	-9E+99	3.55	44.58	1.92	0.48
Oak Creek	LIN21	AA6-67	AA6-66	1143.52	1143.23	426.00	4.00	0.00	0.00	0.00	2.85	15.08	0.91	-9E+99	2.98	37.48	1.75	0.44
Oak Creek	LIN22	AA6-68	AA6-67	1143.79	1143.52	724.00	3.00	0.00	0.00	0.00	2.87	15.08	0.88	-9E+99	1.82	12.88	2.13	0.71
Oak Creek	LIN30	A6-200	A6-199	1139.37	1138.90	604.00	4.00	0.00	0.00	0.00	3.24	18.72	0.96	-9E+99	3.19	40.07	1.88	0.47
Oak Creek	LIN23	A6-122	A6-121	1150.22	1148.64	450.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.27	13.40	0.00	0.00
Oak Creek	LIN24	A6-121	A6-120	1148.64	1147.07	450.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.25	13.36	0.00	0.00
Oak Creek	LIN25	A6-120	A6-119	1147.07	1145.49	450.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.27	13.40	0.00	0.00
Oak Creek	LIN26	A6-119	A6-204	1145.49	1141.29	410.00	2.00	0.01	0.00	0.00	0.00	0.00	0.07	-9E+99	7.29	22.90	1.90	0.00
Oak Creek	LIN37	A6-204	A6-203	1141.29	1140.92	585.00	4.00	0.00	0.00	0.00	3.23	18.72	0.96	-9E+99	2.87	36.13	1.90	0.48
Oak Creek	LIN27	A6-203	A6-202	1140.92	1140.22	450.00	4.00	0.00	0.00	0.00	3.65	18.72	0.90	-9E+99	4.51	56.65	1.91	0.48
Oak Creek	LIN29	A6-201	A6-200	1139.88	1139.37	611.00	4.00	0.00	0.00	0.00	3.22	18.72	0.96	-9E+99	3.30	41.50	1.88	0.47
Oak Creek	LIN28	A6-202	A6-201	1140.22	1139.88	450.00	4.00	0.00	0.00	0.00	3.16	18.72	0.97	-9E+99	3.14	39.48	1.91	0.48
Oak Creek	LIN31	A6-199	A6-198	1138.90	1138.15	687.00	4.00	0.00	0.00	0.00	3.38	18.72	0.94	-9E+99	3.78	47.46	1.92	0.48
Oak Creek	LIN32	A6-206	A6-205	1141.23	1141.52	325.00	4.00	0.00	-2.17	-15.77	2.18	16.05	1.10	-9E+99	3.41	42.91	2.20	0.55
Oak Creek	LIN36	A6-205	A6-204	1141.52	1141.29	398.00	4.00	0.00	-0.70	-0.58	2.77	16.05	0.97	-9E+99	2.75	34.53	1.91	0.48
Oak Creek	LIN33	A6-207	A6-206	1142.02	1141.23	344.00	4.00	0.00	0.00	0.00	3.03	16.05	0.91	-9E+99	5.48	68.84	2.32	0.58
Oak Creek	LIN35	A6-209	A6-208	1142.11	1142.17	98.00	4.00	0.00	-2.62	-15.45	2.62	15.65	0.98	-9E+99	2.83	35.54	1.88	0.47
Oak Creek	LIN34	A6-208	A6-207	1142.17	1142.02	344.00	4.00	0.00	0.00	0.00	2.90	16.05	0.94	-9E+99	2.39	30.00	1.82	0.46
Oak Creek	LIN40	A6-232	A6-209	1142.35	1142.11	611.00	4.00	0.00	-0.34	-0.19	2.45	15.08	0.99	-9E+99	2.27	28.47	1.99	0.50
Oak Creek	LIN42	A6-233	A6-232	1142.68	1142.35	548.00	4.00	0.00	0.00	0.00	2.52	15.08	0.98	-9E+99	2.81	35.25	1.99	0.50
Oak Creek	LIN41	A6-92	A6-210	1145.46	1145.00	30.10	2.25	0.02	0.00	0.00	0.00	0.00	0.00	-9E+99	9.63	38.28	0.00	0.00
Oak Creek	LIN39	A6-210	A6-209	1145.00	1142.11	37.47	2.25	0.08	0.00	0.00	0.00	0.00	0.07	-9E+99	21.63	86.02	1.94	0.00

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Oak Creek	LIN114	AA8-154	AA7-301	1157.06	1156.92	468.00	2.50	0.00	0.00	0.00	1.81	7.40	0.76	-9E+99	1.45	7.09	12.54	5.02
Oak Creek	LIN115	AA8-155	AA8-154	1157.70	1157.06	679.00	2.50	0.00	0.00	0.00	2.14	7.41	0.75	-9E+99	2.57	12.59	12.51	5.00
Oak Creek	LIN117	AA8-157	AA8-156	1158.21	1157.86	439.00	2.50	0.00	0.00	0.00	2.12	7.41	0.76	-9E+99	2.36	11.58	11.97	4.79
Oak Creek	LIN119	AA8-158	AA8-157	1158.58	1158.21	241.00	2.50	0.00	0.00	0.00	2.50	7.45	0.76	-9E+99	3.27	16.07	11.74	4.69
Oak Creek	LIN118	AA8-159	AA8-158	1158.75	1158.58	422.00	2.50	0.00	-0.48	-0.18	1.93	6.35	0.76	-9E+99	1.68	8.23	11.43	4.57
Oak Creek	LIN120	AA8-160	AA8-159	1159.25	1158.75	595.00	2.50	0.00	0.00	0.00	2.12	6.59	0.75	-9E+99	2.42	11.89	11.35	4.54
Oak Creek	LIN121	AA8-161	AA8-160	1159.66	1159.25	579.00	2.50	0.00	0.00	0.00	2.15	6.59	0.76	-9E+99	2.22	10.91	10.98	4.39
Oak Creek	LIN122	AA8-162	AA8-161	1160.16	1159.66	593.00	2.50	0.00	0.00	0.00	2.25	6.59	0.75	-9E+99	2.43	11.91	10.69	4.28
Oak Creek	LIN116	AA8-156	AA8-155	1157.86	1157.70	351.00	2.50	0.00	0.00	0.00	2.01	7.41	0.76	-9E+99	1.78	8.76	12.04	4.81
Oak Creek	LIN124	AA8-165	AA8-164	1161.15	1160.65	590.00	2.50	0.00	0.00	0.00	1.80	4.49	0.75	-9E+99	2.43	11.94	9.99	4.00
Oak Creek	LIN123	AA8-164	AA8-163	1160.65	1160.41	355.00	2.50	0.00	0.00	0.00	2.18	6.59	0.76	-9E+99	2.17	10.66	10.15	4.06
Oak Creek	LIN125	AA8-166	AA8-165	1161.28	1161.15	198.00	2.50	0.00	-0.25	-0.05	1.77	4.09	0.76	-9E+99	2.14	10.51	9.56	3.82
Oak Creek	LIN126	AA8-167	AA8-166	1169.32	1161.28	422.00	1.50	0.02	0.00	0.00	6.02	4.09	0.45	-9E+99	8.20	14.50	9.44	6.30
Oak Creek	LIN135	AA8-168	AA8-176	1179.97	1176.44	215.00	2.00	0.02	0.00	0.00	6.51	4.10	0.30	-9E+99	9.23	28.99	0.52	0.26
Oak Creek	LIN128	AA8-169	AA8-168	1180.47	1179.97	445.00	2.00	0.00	0.00	0.00	2.66	4.10	0.49	-9E+99	2.41	7.58	1.03	0.52
Oak Creek	LIN130	AA8-171	AA8-170	1181.60	1181.12	424.00	2.00	0.00	0.00	0.00	2.46	4.10	0.51	-9E+99	2.42	7.61	1.05	0.53
Oak Creek	LIN129	AA8-170	AA8-169	1181.12	1180.47	584.00	2.00	0.00	0.00	0.00	2.46	4.10	0.51	-9E+99	2.40	7.55	1.05	0.53
Oak Creek	LIN131	AA8-172	AA8-171	1182.10	1181.60	453.00	2.00	0.00	0.00	0.00	2.15	3.20	0.49	-9E+99	2.39	7.52	1.05	0.52
Oak Creek	LIN132	AA8-173	AA8-172	1182.65	1182.10	491.00	2.00	0.00	0.00	0.00	2.27	3.20	0.47	-9E+99	2.41	7.57	0.95	0.48
Oak Creek	LIN133	AA8-174	AA8-173	1183.33	1182.65	519.00	2.00	0.00	0.00	0.00	2.40	3.20	0.46	-9E+99	2.61	8.19	0.92	0.46
Oak Creek	LIN127	AA8-175	AA8-167	1174.99	1169.32	336.00	1.50	0.02	0.00	0.00	6.56	4.10	0.32	-9E+99	7.72	13.65	2.02	1.35
Oak Creek	LIN134	AA8-176	AA8-175	1176.44	1174.99	62.00	1.50	0.02	0.00	0.00	7.50	4.10	0.29	-9E+99	9.09	16.06	0.56	0.38
Oak Creek	LIN136	AA8-163	AA8-162	1160.41	1160.16	369.00	2.50	0.00	0.00	0.00	2.20	6.59	0.76	-9E+99	2.17	10.68	10.32	4.13
Oak Creek	LIN137	A8-278	AA8-174	1184.32	1183.33	330.00	1.50	0.00	0.00	0.00	1.33	0.40	0.19	-9E+99	3.26	5.75	0.88	0.58
Oak Creek	LIN138	A8-279	A8-278	1184.82	1184.32	416.00	1.50	0.00	0.00	0.00	1.31	0.40	0.20	-9E+99	2.06	3.64	0.35	0.24
	LBS-2	D1S-900	D0-168-2	1278.80	1247.85	4761.00	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.81	18.24	0.00	0.00
	LBS-1	D1S-905	D1S-900	1283.29	1278.80	1361.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.41	6.03	0.00	0.00
Lynn Creek	LH4	B7-334	B7-333	1144.57	1142.29	272.54	2.50	0.01	0.00	0.00	5.95	8.27	0.46	-9E+99	7.64	37.52	0.97	0.39
Lynn Creek	LH2	B7-332	B7-331	1141.00	1138.84	534.40	2.50	0.00	0.00	0.00	4.79	9.36	0.55	-9E+99	5.31	26.08	1.06	0.42
Lynn Creek	LH1	B7-331	B6-271	1138.84	1136.14	541.47	2.50	0.00	0.00	0.00	5.07	9.36	0.54	-9E+99	5.90	28.96	1.25	0.50
Lynn Creek	LH3	B7-333	B7-332	1142.29	1141.00	314.23	2.50	0.00	0.00	0.00	4.66	8.27	0.53	-9E+99	5.35	26.28	1.06	0.42
Lynn Creek	LH5	B7-337	B7-336	1153.46	1151.00	457.22	2.50	0.01	0.00	0.00	5.13	8.27	0.50	-9E+99	6.13	30.09	0.92	0.37
Lynn Creek	LH7	B7-336	B7-335	1151.00	1147.59	500.00	2.50	0.01	0.00	0.00	5.64	8.27	0.47	-9E+99	6.90	33.87	0.90	0.36
Lynn Creek	LH6	B7-335	B7-334	1147.59	1144.57	514.46	2.50	0.01	0.00	0.00	5.25	8.27	0.49	-9E+99	6.40	31.43	0.90	0.36
Lynn Creek	LH8	B7-338	B7-337	1155.40	1153.76	397.78	2.50	0.00	0.00	0.00	4.30	5.79	0.45	-9E+99	5.37	26.34	0.80	0.32
Lynn Creek	LH10	B7-340	B7-339	1162.57	1159.80	500.00	2.00	0.01	0.00	0.00	4.68	5.79	0.44	-9E+99	5.36	16.84	0.85	0.42
Lynn Creek	LH9	B7-339	B7-338	1159.80	1155.40	500.00	2.00	0.01	0.00	0.00	5.66	5.79	0.40	-9E+99	6.76	21.22	0.80	0.40
Lynn Creek	LH13	B7-342	B7-435	1171.00	1167.60	304.00	1.75	0.01	0.00	0.00	5.78	5.79	0.40	-9E+99	6.97	16.76	0.79	0.45
Lynn Creek	LH11	B7-343	B7-342	1171.57	1171.00	450.00	1.75	0.00	0.00	0.00	3.06	5.79	0.52	-9E+99	2.34	5.64	1.35	0.77
Lynn Creek	LH14	B7-435	B7-341	1167.60	1163.07	103.00	1.75	0.04	0.00	0.00	8.37	5.79	0.31	-9E+99	13.82	33.23	1.29	0.74
Lynn Creek	LH12	B7-341	B7-340	1163.07	1162.57	503.00	2.00	0.00	0.00	0.00	2.83	5.79	0.56	-9E+99	2.27	7.13	1.29	0.64
Lynn Creek	LH16	A8-17	A8-16	1196.44	1195.33	260.00	1.50	0.00	0.00	0.00	3.47	2.26	0.32	-9E+99	3.88	6.86	0.59	0.40
Lynn Creek	LH19	A8-11	A8-10	1190.66	1187.84	430.00	1.50	0.01	0.00	0.00	4.85	5.39	0.42	-9E+99	4.81	8.51	0.93	0.62
Lynn Creek	LH15	A8-13	A8-11	1193.02	1190.66	440.00	1.50	0.01	0.00	0.00	4.71	5.39	0.42	-9E+99	4.35	7.69	0.93	0.62
Lynn Creek	LH17	A8-16	A8-86	1195.33	1194.22	251.00	1.50	0.00	0.00	0.00	3.28	2.26	0.33	-9E+99	3.95	6.99	0.88	0.59
Lynn Creek	LH18	A8-86	A8-13	1194.22	1193.02	190.00	1.50	0.01	0.00	0.00	4.97	5.39	0.41	-9E+99	4.72	8.35	0.93	0.62
Lynn Creek	LH27	A8-10	A8-159	1187.84	1185.24	186.00	1.50	0.01	0.00	0.00	6.62	5.39	0.36	-9E+99	7.03	12.42	0.82	0.54
Lynn Creek	LH21	A8-2	B8-69	1175.04	1174.25	320.00	1.75	0.00	0.00	0.00	3.48	5.39	0.49	-9E+99	3.27	7.87	1.11	0.63
Lynn Creek	LH20	A8-5	A8-2	1177.01	1175.04	330.00	1.75	0.01	0.00	0.00	4.73	5.39	0.42	-9E+99	5.09	12.24	1.07	0.61

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Lynn Creek	LH22	A8-6	A8-5	1178.38	1177.01	319.00	1.75	0.00	0.00	0.00	4.28	5.39	0.45	-9E+99	4.32	10.38	0.92	0.53
Lynn Creek	LH23	A8-7	A8-6	1179.60	1178.38	276.00	1.75	0.00	0.00	0.00	4.38	5.39	0.44	-9E+99	4.38	10.53	0.92	0.53
Lynn Creek	LH24	A8-8	A8-7	1181.74	1179.60	222.00	1.50	0.01	0.00	0.00	5.77	5.39	0.38	-9E+99	5.84	10.31	0.89	0.59
Lynn Creek	LH25	A8-140	A8-8	1183.45	1181.74	200.00	1.50	0.01	0.00	0.00	5.60	5.39	0.39	-9E+99	5.50	9.71	0.81	0.54
Lynn Creek	LH26	A8-159	A8-140	1185.24	1183.45	223.00	1.50	0.01	0.00	0.00	5.49	5.39	0.39	-9E+99	5.33	9.41	0.82	0.54
Lynn Creek	LH30	B8-67	B7-343	1172.00	1171.57	330.00	1.75	0.00	0.00	0.00	2.71	5.39	0.53	-9E+99	2.38	5.72	1.35	0.77
Lynn Creek	LH28	B8-68	B8-67	1173.12	1172.00	506.00	1.75	0.00	0.00	0.00	3.19	5.39	0.51	-9E+99	3.10	7.45	1.35	0.77
Lynn Creek	LH29	B8-69	B8-68	1174.25	1173.12	504.00	1.75	0.00	0.00	0.00	3.35	5.39	0.50	-9E+99	3.12	7.50	1.15	0.66
Little Salt	LSAM25	C6-375	C6-313	1137.70	1137.49	167.70	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.10	3.72	0.00	0.00
Little Salt	LSAM27	C6-313	C6-262	1137.49	1136.96	361.20	1.50	0.00	0.00	0.00	0.00	0.00	0.01	-9E+99	2.28	4.02	0.18	0.00
Little Salt	LSAM28	C6-262	C6-352	1136.96	1136.44	361.90	1.50	0.00	-0.02	0.00	0.12	0.01	0.33	-9E+99	2.25	3.98	0.70	0.47
Little Salt	LSAM29	C6-352	C6-230	1136.44	1135.88	376.30	1.50	0.00	0.03	0.02	0.11	-0.24	0.45	-9E+99	2.29	4.05	1.26	0.84
Little Salt	LSAM30	C6-230	C6-195	1135.88	1135.62	181.40	1.50	0.00	0.02	0.03	0.15	-0.53	0.45	-9E+99	2.25	3.98	1.52	1.01
Little Salt	LSAM1	C6-195	C6-194	1135.62	1134.15	369.79	3.00	0.00	0.00	0.00	5.66	20.76	0.76	-9E+99	5.95	42.05	1.78	0.59
Little Salt	LSAM18	C6-194	C6-399	1134.15	1133.20	370.00	3.00	0.00	0.00	0.00	4.68	20.76	0.83	-9E+99	4.78	33.80	2.00	0.67
Little Salt	LSAM152	C6-194	C6-193	1150.25	1133.69	357.70	3.00	0.05	0.00	0.00	0.00	0.00	0.00	-9E+99	20.30	143.51	0.00	0.00
Little Salt	LSAM2	C6-388	C6-195	1135.97	1135.62	346.40	2.50	0.00	0.00	0.00	4.37	19.02	0.75	-9E+99	2.66	13.04	2.15	0.86
Little Salt	LSAM3	C6-197	C6-388	1136.88	1135.97	374.80	2.50	0.00	0.00	0.00	4.43	19.02	0.76	-9E+99	4.12	20.21	2.15	0.86
Little Salt	LSAM5	C6-134	C6-199	1140.17	1138.82	312.00	2.25	0.00	0.00	0.00	5.82	18.42	0.68	-9E+99	5.12	20.37	1.68	0.75
Little Salt	LSAM7	C6-95	C6-105	1152.95	1151.76	455.00	2.25	0.00	0.00	0.00	4.55	15.21	0.68	-9E+99	3.98	15.84	1.77	0.79
Little Salt	LSAM6	C6-89	C6-95	1153.70	1152.95	381.70	2.25	0.00	0.00	0.00	4.07	14.11	0.68	-9E+99	3.45	13.73	1.84	0.82
Little Salt	LSAM16	C6-101	C6-107	1150.82	1149.33	420.40	2.50	0.00	0.00	0.00	5.42	18.42	0.72	-9E+99	4.97	24.42	1.67	0.67
Little Salt	LSAM8	C6-105	C6-101	1151.76	1150.82	361.50	2.25	0.00	0.00	0.00	4.64	15.21	0.68	-9E+99	3.97	15.79	1.74	0.78
Little Salt	LSAM9	C6-132	C6-134	1141.67	1140.17	346.00	2.25	0.00	0.00	0.00	5.80	18.42	0.68	-9E+99	5.13	20.39	1.68	0.75
Little Salt	LSAM10	C6-131	C6-132	1143.24	1141.67	366.00	2.25	0.00	0.00	0.00	5.78	18.42	0.68	-9E+99	5.10	20.28	1.68	0.75
Little Salt	LSAM11	C6-127	C6-131	1144.83	1143.24	355.00	2.25	0.00	0.00	0.00	5.86	18.42	0.68	-9E+99	5.21	20.73	1.68	0.75
Little Salt	LSAM12	C6-126	C6-127	1146.20	1144.83	316.70	2.25	0.00	0.00	0.00	5.81	18.42	0.68	-9E+99	5.12	20.37	1.68	0.75
Little Salt	LSAM13	C6-56	C6-89	1154.44	1153.70	366.10	2.25	0.00	0.00	0.00	4.02	14.11	0.68	-9E+99	3.50	13.92	1.86	0.83
Little Salt	LSAM14	C6-49	C6-56	1155.19	1154.44	382.00	2.25	0.00	0.00	0.00	3.97	14.11	0.68	-9E+99	3.45	13.72	1.89	0.84
Little Salt	LSAM15	C6-351	C6-49	1156.28	1155.19	531.70	2.25	0.00	0.00	0.00	4.00	14.11	0.68	-9E+99	3.53	14.02	1.89	0.84
Little Salt	LSAM17	C6-107	C6-126	1149.33	1146.20	720.21	2.25	0.00	0.00	0.00	5.81	18.42	0.68	-9E+99	5.13	20.42	1.68	0.75
Little Salt	LSAM20	C6-400	C6-406	1132.70	1132.04	350.22	3.00	0.00	0.00	0.00	4.23	20.76	0.87	-9E+99	4.10	28.95	2.05	0.69
Little Salt	LSAM19	C6-399	C6-400	1133.20	1132.70	335.00	3.00	0.00	0.00	0.00	4.15	20.76	0.87	-9E+99	3.65	25.77	2.00	0.67
Little Salt	LSAM21	C6-406	C6-407	1132.04	1131.60	433.39	3.00	0.00	0.00	0.00	4.13	20.76	0.87	-9E+99	3.01	21.25	2.05	0.69
Little Salt	LSAM22	C6-407	C6-450	1131.60	1130.13	416.33	3.00	0.00	0.00	0.00	5.18	20.76	0.79	-9E+99	5.61	39.63	2.07	0.69
Little Salt	LSAM31	C6-452	C6-334	1138.42	1137.95	330.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.24	3.96	0.00	0.00
Little Salt	LSAM26	C6-334	C6-375	1137.95	1137.70	148.30	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.44	4.31	0.00	0.00
Little Salt	LSAM4	C6-199	C6-197	1138.82	1136.88	375.00	2.25	0.01	0.00	0.00	5.83	18.42	0.67	-9E+99	5.60	22.28	2.03	0.90
Little Salt	LSAM23	C6-480	C6-351	1156.72	1156.28	354.00	2.25	0.00	0.00	0.00	3.68	14.11	0.68	-9E+99	2.75	10.92	2.11	0.94
Little Salt	LSAM127	D5-46	D5-51	1183.96	1182.37	371.00	1.75	0.00	0.00	0.00	4.79	8.35	0.51	-9E+99	4.31	10.37	1.20	0.68
Little Salt	LSAM116	D5-324	D5-325	1160.20	1159.43	492.00	2.25	0.00	0.00	0.00	3.54	14.12	0.68	-9E+99	3.08	12.25	2.96	1.32
Little Salt	LSAM117	D5-325	D5-326	1159.43	1158.66	485.00	2.25	0.00	0.00	0.00	3.55	14.12	0.68	-9E+99	3.10	12.34	2.72	1.21
Little Salt	LSAM118	D5-326	D5-339	1158.66	1157.90	493.00	2.25	0.00	0.00	0.00	3.57	14.11	0.68	-9E+99	3.06	12.16	2.56	1.14
Little Salt	LSAM140	D5-339	D5-513	1157.90	1157.18	359.00	2.25	0.00	0.00	0.00	3.61	14.11	0.68	-9E+99	3.49	13.87	2.38	1.06
Little Salt	LSAM129	D5-153	D5-386	1167.61	1167.34	89.00	2.00	0.00	0.00	0.00	4.64	12.68	0.61	-9E+99	3.97	12.46	3.21	1.60
Little Salt	LSAM119	D5-152	D5-153	1169.22	1167.61	221.00	1.75	0.01	0.00	0.00	5.71	10.80	0.52	-9E+99	5.62	13.52	3.21	1.83
Little Salt	LSAM125	D5-151	D5-152	1171.48	1169.22	371.00	1.75	0.01	0.00	0.00	5.78	10.80	0.53	-9E+99	5.14	12.37	2.62	1.50
Little Salt	LSAM124	D5-122	D5-483	1173.72	1172.70	164.00	1.75	0.01	0.00	0.00	5.82	10.81	0.53	-9E+99	5.20	12.50	1.59	0.91
Little Salt	LSAM120	D5-121	D5-122	1176.14	1173.72	396.00	1.75	0.01	0.00	0.00	5.80	10.82	0.52	-9E+99	5.15	12.39	1.35	0.77

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM121	D5-119	D5-121	1177.60	1176.14	348.00	1.75	0.00	0.00	0.00	4.69	8.35	0.52	-9E+99	4.27	10.26	1.27	0.73
Little Salt	LSAM122	D5-67	D5-119	1179.19	1177.60	372.00	1.75	0.00	0.00	0.00	4.78	8.35	0.51	-9E+99	4.31	10.36	1.21	0.69
Little Salt	LSAM123	D5-483	D5-151	1172.70	1171.48	200.00	1.75	0.01	0.00	0.00	5.78	10.81	0.53	-9E+99	5.15	12.38	2.00	1.15
Little Salt	LSAM126	D5-63	D5-67	1180.78	1179.19	409.00	1.75	0.00	0.00	0.00	4.60	8.35	0.52	-9E+99	4.11	9.88	1.24	0.71
Little Salt	LSAM128	D5-51	D5-63	1182.37	1180.78	343.00	1.75	0.00	0.00	0.00	4.88	8.35	0.51	-9E+99	4.49	10.79	1.24	0.71
Little Salt	LSAM136	D5-386	D5-434	1167.34	1166.85	95.00	2.00	0.01	0.00	0.00	4.67	12.68	0.61	-9E+99	5.17	16.25	3.40	1.70
Little Salt	LSAM130	D5-213	D5-210	1166.57	1165.43	271.00	2.00	0.00	0.00	0.00	4.48	12.68	0.60	-9E+99	4.67	14.67	3.46	1.73
Little Salt	LSAM134	D5-210	D5-482	1165.43	1165.36	153.00	2.00	0.00	0.00	0.00	4.19	13.22	0.61	-9E+99	1.54	4.84	3.46	1.73
Little Salt	LSAM131	D5-276	D5-324	1161.98	1160.20	478.00	2.00	0.00	0.00	0.00	4.55	13.22	0.60	-9E+99	4.39	13.80	2.96	1.48
Little Salt	LSAM132	D5-275	D5-276	1163.32	1161.98	417.00	2.00	0.00	0.00	0.00	4.64	13.22	0.61	-9E+99	4.08	12.82	2.88	1.44
Little Salt	LSAM133	D5-209	D5-275	1164.60	1163.32	402.00	2.00	0.00	0.00	0.00	4.63	13.22	0.61	-9E+99	4.06	12.77	2.97	1.48
Little Salt	LSAM135	D5-482	D5-209	1165.36	1164.60	237.00	2.00	0.00	0.00	0.00	4.64	13.22	0.61	-9E+99	4.08	12.81	3.01	1.50
Little Salt	LSAM137	D5-434	D5-213	1166.85	1166.57	165.00	2.00	0.00	0.00	0.00	4.12	12.68	0.61	-9E+99	2.97	9.32	3.40	1.70
Little Salt	LSAM24	D5-513	C6-480	1157.18	1156.72	366.00	2.25	0.00	0.00	0.00	3.48	14.11	0.68	-9E+99	2.76	10.98	2.38	1.06
Little Salt	LSAM138	D5-414	D5-121	1177.07	1176.14	400.00	1.50	0.00	0.02	0.00	0.30	-0.29	0.43	-9E+99	2.87	5.07	1.27	0.85
Little Salt	LSAM139	D5-62	D5-414	1185.64	1184.94	47.00	1.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	7.25	12.82	-7.53	0.00
Little Salt	LSAM115	D5-45	D5-46	1184.49	1183.96	108.00	1.75	0.00	0.00	0.00	4.95	8.35	0.51	-9E+99	4.61	11.10	1.20	0.68
Little Salt	LSAM111	D5-16	D5-45	1191.17	1189.00	372.00	1.50	0.01	0.00	0.00	5.13	7.60	0.45	-9E+99	4.54	8.02	1.18	0.79
Little Salt	LSAM112	D5-17	D5-16	1193.34	1191.17	373.00	1.50	0.01	0.00	0.00	5.14	7.60	0.46	-9E+99	4.53	8.01	1.18	0.79
Little Salt	LSAM113	D5-417	D5-17	1194.94	1193.34	273.00	1.50	0.01	0.00	0.00	5.17	7.60	0.45	-9E+99	4.55	8.04	1.17	0.78
Little Salt	LSAM114	D4-481	D5-417	1195.50	1194.94	134.00	1.50	0.00	0.00	0.00	4.69	7.60	0.46	-9E+99	3.84	6.79	1.31	0.87
Little Salt	LSAM103	D4-482	D4-481	1197.90	1195.50	397.00	1.50	0.01	0.00	0.00	5.10	7.42	0.45	-9E+99	4.62	8.17	1.31	0.87
Little Salt	LSAM104	D4-483	D4-482	1198.17	1197.90	44.00	1.50	0.01	0.00	0.00	5.21	7.42	0.45	-9E+99	4.66	8.23	1.14	0.76
Little Salt	LSAM105	D4-484	D4-483	1200.52	1198.17	394.00	1.50	0.01	0.00	0.00	5.20	7.42	0.45	-9E+99	4.59	8.11	1.13	0.75
Little Salt	LSAM106	D4-485	D4-484	1202.83	1200.52	238.00	1.50	0.01	0.00	0.00	6.16	7.42	0.43	-9E+99	5.86	10.35	1.13	0.75
Little Salt	LSAM107	D4-486	D4-485	1204.97	1202.83	432.00	1.50	0.00	0.00	0.00	4.68	7.42	0.45	-9E+99	4.18	7.39	1.31	0.87
Little Salt	LSAM108	D4-462	D4-486	1208.35	1204.97	307.00	1.50	0.01	0.00	0.00	5.86	5.80	0.39	-9E+99	6.24	11.02	1.31	0.87
Little Salt	LSAM110	D4-262	D4-463	1215.00	1212.19	291.00	1.50	0.01	0.00	0.00	5.59	4.47	0.36	-9E+99	5.84	10.32	0.73	0.49
Little Salt	LSAM109	D4-463	D4-462	1212.19	1208.35	485.00	1.50	0.01	0.00	0.00	5.19	4.47	0.37	-9E+99	5.29	9.35	0.77	0.52
Little Salt	LSAM44	B9-21	B9-22	1136.06	1134.14	235.00	2.25	0.01	0.00	0.00	4.97	3.99	0.34	-9E+99	7.04	27.99	0.58	0.26
Little Salt	LSAM40	B9-39	C9-4	1132.26	1131.41	118.00	2.50	0.01	0.00	0.00	3.70	3.99	0.43	-9E+99	7.09	34.81	1.55	0.62
Little Salt	LSAM45	B9-22	B9-39	1134.14	1132.26	250.00	2.25	0.01	0.00	0.00	4.74	3.99	0.35	-9E+99	6.75	26.86	0.69	0.31
Little Salt	LSAM46	B9-20	B9-21	1137.95	1136.06	170.00	2.25	0.01	0.00	0.00	5.50	3.99	0.32	-9E+99	8.21	32.66	0.57	0.26
Little Salt	LSAM47	B9-19	B9-52	1141.45	1139.74	173.00	2.25	0.01	0.00	0.00	5.33	3.99	0.32	-9E+99	7.74	30.79	0.55	0.25
Little Salt	LSAM48	B9-52	B9-20	1139.74	1137.95	179.00	2.25	0.01	0.00	0.00	5.31	3.99	0.32	-9E+99	7.79	30.97	0.55	0.25
Little Salt	LSAM49	B9-17	B9-18	1147.31	1145.00	412.00	2.25	0.01	0.00	0.00	4.16	3.99	0.37	-9E+99	5.83	23.19	0.67	0.30
Little Salt	LSAM50	B9-18	B9-19	1145.00	1141.45	350.00	2.25	0.01	0.00	0.00	5.39	3.99	0.32	-9E+99	7.84	31.19	0.55	0.24
Little Salt	LSAM51	B9-14	B9-15	1156.46	1153.83	438.00	2.25	0.01	0.00	0.00	4.46	3.99	0.36	-9E+99	6.04	24.00	0.63	0.28
Little Salt	LSAM53	B9-15	B9-16	1153.83	1150.17	650.00	2.25	0.01	0.00	0.00	4.37	3.99	0.36	-9E+99	5.84	23.24	0.63	0.28
Little Salt	LSAM52	B9-16	B9-17	1150.17	1147.31	509.00	2.25	0.01	0.00	0.00	4.33	3.99	0.37	-9E+99	5.84	23.22	0.67	0.30
Little Salt	LSAM55	B9-70	B9-14	1161.35	1156.46	401.00	1.50	0.01	0.00	0.00	5.93	3.99	0.32	-9E+99	6.56	11.60	0.62	0.41
Little Salt	LSAM54	B9-69	B9-70	1164.99	1161.35	412.00	1.50	0.01	0.00	0.00	5.13	3.99	0.35	-9E+99	5.59	9.87	0.69	0.46
Little Salt	LSAM56	B9-68	B9-69	1169.02	1164.99	497.00	1.50	0.01	0.00	0.00	5.12	3.99	0.35	-9E+99	5.35	9.46	0.69	0.46
Little Salt	LSAM60	B9-71	B9-68	1174.17	1169.02	567.00	1.50	0.01	0.00	0.00	5.32	3.99	0.34	-9E+99	5.67	10.01	0.68	0.45
Little Salt	LSAM57	B9-72	B9-71	1182.83	1174.17	343.00	1.50	0.03	0.00	0.00	7.41	3.99	0.29	-9E+99	9.45	16.69	0.66	0.44
Little Salt	LSAM58	B9-74	B9-73	1185.45	1183.99	507.00	1.50	0.00	0.00	0.00	3.41	3.99	0.43	-9E+99	3.19	5.64	1.01	0.67
Little Salt	LSAM59	B9-73	B9-72	1183.99	1182.83	400.00	1.50	0.00	0.00	0.00	3.35	3.99	0.42	-9E+99	3.20	5.66	1.01	0.67
Little Salt	LSAM62	D9-73	D9-74	1111.18	1110.90	510.00	5.00	0.00	-1.42	-5.12	3.22	37.04	1.52	-9E+99	3.11	61.02	2.84	0.57
Little Salt	LSAM63	D9-74	D9-75	1110.90	1110.62	510.00	5.00	0.00	-1.82	-7.43	3.21	37.04	1.52	-9E+99	3.11	61.02	2.85	0.57

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM64	D9-75	D9-76	1110.62	1110.34	510.00	5.00	0.00	-2.18	-10.57	3.20	37.04	1.54	-9E+99	3.11	61.02	2.87	0.57
Little Salt	LSAM71	D9-76	D9-77	1110.34	1110.27	520.00	5.00	0.00	-2.92	-15.59	3.21	37.04	1.54	-9E+99	1.54	30.22	2.87	0.57
Stevens Creek	LSAM65	D9-101	D9-102	1110.95	1110.57	939.00	7.00	0.00	0.02	0.16	0.28	-9.63	1.25	-9E+99	3.34	128.51	2.25	0.32
Stevens Creek	LSAM66	D9-100	D9-101	1111.33	1110.95	939.00	7.00	0.00	0.02	0.11	0.30	-5.50	1.07	-9E+99	3.34	128.51	1.87	0.27
Stevens Creek	LSAM67	D9-99	D9-100	1111.71	1111.33	939.00	7.00	0.00	0.02	0.06	0.28	-2.70	0.87	-9E+99	3.34	128.51	1.49	0.21
Stevens Creek	LSAM68	D9-98	D9-99	1112.09	1111.71	451.34	6.00	0.00	0.02	0.03	0.32	-0.97	0.65	-9E+99	4.35	122.89	1.11	0.19
Stevens Creek	LSAM72	D9-103	D9-JNC	1110.48	1110.25	81.36	5.00	0.00	0.02	0.20	0.27	-14.73	1.30	-9E+99	7.05	138.47	2.57	0.52
Stevens Creek	LSAM70	D9-102	D9-103	1110.57	1110.48	254.00	5.00	0.00	0.02	0.19	0.28	-13.91	1.24	-9E+99	2.50	49.02	2.34	0.47
Little Salt	LSAM73	D9-77	D9-JNC	1110.27	1110.25	77.00	5.00	0.00	3.41	-19.82	3.57	37.04	1.43	-9E+99	2.14	41.97	2.61	0.52
Stevens Creek	LSAM74	D9-JNC	D9-WWTP	1110.25	1110.00	410.00	5.00	0.00	3.49	34.86	3.65	-37.74	1.41	-9E+99	3.28	64.31	2.57	0.52
Little Salt	LSAM75	D9-84	D9-32	1128.13	1127.47	437.30	2.00	0.00	0.00	0.00	2.72	3.94	0.48	-9E+99	2.80	8.79	0.94	0.47
Little Salt	LSAM76	D9-32	D9-31	1127.47	1126.81	440.00	2.00	0.00	0.00	0.00	2.71	3.94	0.48	-9E+99	2.79	8.76	0.94	0.47
Little Salt	LSAM77	D9-31	D9-30	1126.81	1126.15	440.00	2.00	0.00	0.00	0.00	2.70	3.94	0.48	-9E+99	2.79	8.76	0.95	0.48
Little Salt	LSAM78	D9-30	D9-29	1126.15	1125.49	440.00	2.00	0.00	0.00	0.00	2.74	3.94	0.48	-9E+99	2.79	8.76	0.95	0.48
Little Salt	LSAM90	D9-29	D9-12	1125.49	1124.00	427.00	2.00	0.00	0.00	0.00	3.70	3.94	0.41	-9E+99	4.25	13.36	0.75	0.37
Little Salt	LSAM79	D9-64	D9-65	1112.44	1112.11	492.58	5.00	0.00	-0.30	-0.28	2.89	32.30	1.47	-9E+99	3.43	67.41	2.89	0.58
Little Salt	LSAM80	D9-65	D9-66	1112.11	1112.07	382.42	5.00	0.00	0.00	0.00	2.84	33.15	1.52	-9E+99	1.36	26.64	2.89	0.58
Little Salt	LSAM81	D9-66	D9-67	1112.07	1111.88	425.00	5.00	0.00	-0.22	-0.32	2.99	33.15	1.47	-9E+99	2.80	55.07	2.76	0.55
Little Salt	LSAM94	D9-67	D9-69	1111.88	1111.60	223.00	5.00	0.00	-0.64	-0.90	2.98	33.15	1.47	-9E+99	4.70	92.29	2.94	0.59
Little Salt	LSAM95	D9-68	D9-70	1122.40	1111.47	167.00	2.00	0.07	0.00	0.00	6.04	3.94	0.24	-9E+99	18.42	57.87	3.00	1.50
Little Salt	LSAM82	D9-63	D9-64	1112.64	1112.44	500.00	5.00	0.00	-0.14	-0.04	2.88	32.30	1.48	-9E+99	2.65	52.09	2.78	0.56
Little Salt	LSAM83	D9-62	D9-63	1112.84	1112.64	500.00	5.00	0.00	0.00	0.00	2.86	32.30	1.48	-9E+99	2.65	52.09	2.80	0.56
Little Salt	LSAM84	D9-61	D9-62	1113.04	1112.84	550.00	5.00	0.00	0.00	0.00	2.82	32.31	1.50	-9E+99	2.53	49.66	2.83	0.57
Little Salt	LSAM85	D9-60	D9-61	1113.24	1113.04	550.00	5.00	0.00	0.00	0.00	2.80	32.31	1.51	-9E+99	2.53	49.66	2.85	0.57
Little Salt	LSAM86	D9-59	D9-60	1113.44	1113.24	565.66	5.00	0.00	0.00	0.00	2.77	32.31	1.51	-9E+99	2.49	48.97	2.88	0.58
Little Salt	LSAM87	D9-58	D9-59	1113.60	1113.49	284.34	5.00	0.00	0.00	0.00	2.82	32.31	1.49	-9E+99	2.61	51.23	2.83	0.57
Little Salt	LSAM88	D9-71	D9-72	1111.43	1111.22	394.16	5.00	0.00	-1.36	-3.51	3.23	37.04	1.51	-9E+99	3.06	60.12	2.83	0.57
Little Salt	LSAM61	D9-72	D9-73	1111.22	1111.18	70.71	5.00	0.00	-1.93	-4.03	3.23	37.04	1.51	-9E+99	3.15	61.94	2.84	0.57
Little Salt	LSAM89	D9-78	D9-68	1123.90	1122.40	289.00	2.00	0.01	0.00	0.00	3.97	3.94	0.39	-9E+99	5.19	16.30	0.74	0.37
Little Salt	LSAM91	D9-12	D9-78	1124.00	1123.90	30.00	2.00	0.00	0.00	0.00	3.68	3.94	0.41	-9E+99	4.16	13.06	0.75	0.37
Little Salt	LSAM92	D9-85	D9-58	1113.75	1113.60	319.79	5.00	0.00	0.00	0.00	2.84	32.31	1.48	-9E+99	2.87	56.41	2.83	0.57
Little Salt	LSAM96	D9-70	D9-71	1111.47	1111.43	390.00	5.00	0.00	-1.28	-2.62	3.04	37.04	1.58	-9E+99	1.34	26.38	3.00	0.60
Little Salt	LSAM93	D9-69	D9-70	1111.60	1111.47	203.00	5.00	0.00	-1.00	-1.66	2.76	33.15	1.56	-9E+99	3.36	65.91	3.00	0.60
Little Salt	LSAM97	C9-7	C9-6	1114.85	1114.50	506.00	4.50	0.00	0.00	0.00	3.63	32.32	1.23	-9E+99	3.25	51.72	2.47	0.55
Little Salt	LSAM98	C9-8	C9-7	1115.21	1114.85	498.00	4.50	0.00	0.00	0.00	3.57	32.32	1.24	-9E+99	3.32	52.87	2.50	0.56
Little Salt	LSAM99	C9-9	C9-8	1115.39	1115.21	51.00	4.50	0.00	0.00	0.00	3.84	32.32	1.17	-9E+99	7.35	116.83	2.50	0.56
Little Salt	LSAM101	C9-10	C9-9	1115.57	1115.39	510.00	4.50	0.00	0.00	0.00	3.47	32.32	1.27	-9E+99	2.32	36.94	2.58	0.57
Little Salt	LSAM102	C9-6	D9-85	1114.50	1114.25	337.00	4.50	0.00	0.00	0.00	3.79	32.31	1.19	-9E+99	3.37	53.56	2.39	0.53
Little Salt	LSAM32	C9-4	C9-3	1131.41	1131.33	150.00	3.00	0.00	0.00	0.00	2.15	6.78	0.77	-9E+99	2.18	15.40	1.58	0.53
Little Salt	LSAM34	C9-3	C9-2	1131.33	1131.09	456.00	3.00	0.00	0.00	0.00	1.92	6.78	0.78	-9E+99	2.16	15.30	1.67	0.56
Little Salt	LSAM33	C9-1	C8-16	1130.84	1130.52	458.00	3.00	0.00	0.00	0.00	2.29	9.25	0.80	-9E+99	2.49	17.63	1.74	0.58
Little Salt	LSAM35	C9-2	C9-1	1131.09	1130.84	475.00	3.00	0.00	0.00	0.00	2.29	9.25	0.80	-9E+99	2.16	15.30	1.67	0.56
Little Salt	LSAM43	C9-14	C9-23	1132.63	1132.35	367.00	2.00	0.00	0.00	0.00	2.01	2.47	0.44	-9E+99	1.99	6.25	0.84	0.42
Little Salt	LSAM38	C9-12	C9-13	1134.03	1133.07	374.00	1.50	0.00	0.00	0.00	2.84	2.47	0.37	-9E+99	3.01	5.32	0.86	0.57
Little Salt	LSAM37	C9-13	C9-14	1133.07	1132.63	543.00	2.00	0.00	0.00	0.00	1.92	2.47	0.45	-9E+99	2.05	6.44	0.86	0.43
Little Salt	LSAM36	C9-23	C9-2	1132.35	1131.09	427.00	2.00	0.00	0.00	0.00	2.50	2.47	0.41	-9E+99	3.91	12.29	1.67	0.84
Little Salt	LSAM39	C9-52	C8-16	1132.37	1130.52	288.00	1.50	0.01	0.00	0.00	0.00	0.00	0.05	-9E+99	4.76	8.42	1.74	0.00
Little Salt	LSAM41	C9-51	C9-52	1132.79	1132.37	349.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.06	3.64	0.00	0.00
Little Salt	LSAM42	C9-50	C9-51	1133.38	1132.79	493.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.06	3.63	0.00	0.00

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM151	C6-180	C6-177	1129.36	1128.85	328.00	3.00	0.00	0.00	0.00	2.75	5.60	0.55	-9E+99	3.72	26.30	1.10	0.37
Little Salt	LSAM141	C6-181	C6-180	1129.82	1129.36	378.90	3.00	0.00	0.00	0.00	2.72	5.60	0.56	-9E+99	3.29	23.24	1.00	0.33
Little Salt	LSAM143	C6-188	C6-187	1131.61	1131.40	118.40	3.00	0.00	0.00	0.00	1.71	0.75	0.21	-9E+99	3.97	28.09	0.34	0.11
Little Salt	LSAM142	C6-302	C6-181	1130.05	1129.82	65.00	3.00	0.00	0.00	0.00	2.89	4.75	0.49	-9E+99	5.61	39.68	1.00	0.33
Little Salt	LSAM161	C6-186	C6-294	1130.53	1130.58	68.00	3.00	0.00	-0.64	-0.59	0.68	0.75	0.38	-9E+99	2.56	18.09	0.64	0.21
Little Salt	LSAM175	C6-187	C6-186	1131.40	1130.63	100.40	1.00	0.01	0.00	0.00	3.00	0.75	0.19	-9E+99	3.97	3.12	0.55	0.55
Little Salt	LSAM144	C6-189	C6-188	1131.05	1131.61	259.16	3.00	0.00	0.00	0.00	0.01	-0.34	0.48	-9E+99	4.39	31.00	0.90	0.30
Little Salt	LSAM145	C6-190	C6-189	1132.33	1131.61	358.50	3.00	0.00	0.00	0.00	0.00	0.00	0.03	-9E+99	4.23	29.89	0.34	0.00
Little Salt	LSAM146	C6-191	C6-190	1132.77	1132.33	359.50	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.30	23.33	0.00	0.00
Little Salt	LSAM147	C6-192	C6-191	1133.24	1132.77	359.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.41	24.13	0.00	0.00
Little Salt	LSAM148	C6-193	C6-192	1133.69	1133.24	366.80	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.31	23.36	0.00	0.00
Little Salt	LSAM174	C6-169	C6-500	1127.00	1126.50	362.80	3.00	0.00	0.00	0.00	2.75	7.06	0.70	-9E+99	3.50	24.76	1.62	0.54
Little Salt	LSAM149	C6-171	C6-169	1127.26	1127.00	198.00	3.00	0.00	0.00	0.00	2.67	7.06	0.65	-9E+99	3.42	24.17	1.32	0.44
Little Salt	LSAM158	C6-393	C6-172	1127.77	1127.55	165.50	3.00	0.00	-0.49	-0.17	2.62	6.19	0.60	-9E+99	3.44	24.32	1.16	0.39
Little Salt	LSAM150	C6-175	C6-393	1128.46	1127.77	530.36	3.00	0.00	0.00	0.00	2.79	6.19	0.58	-9E+99	3.40	24.06	1.10	0.37
Little Salt	LSAM166	C6-177	C6-492	1128.85	1128.75	99.23	3.00	0.00	-0.61	-0.13	2.37	5.60	0.60	-9E+99	3.00	21.17	1.12	0.37
Little Salt	LSAM153	C6-244	C6-349	1127.42	1126.03	400.00	2.50	0.00	0.00	0.00	4.12	11.90	0.67	-9E+99	4.93	24.18	2.09	0.83
Little Salt	LSAM154	C6-245	C6-244	1127.96	1127.42	400.00	2.50	0.00	0.00	0.00	3.65	11.90	0.71	-9E+99	3.07	15.07	1.60	0.64
Little Salt	LSAM155	C6-246	C6-245	1128.52	1127.96	400.00	2.50	0.00	0.00	0.00	3.51	11.90	0.72	-9E+99	3.13	15.35	1.64	0.66
Little Salt	LSAM156	C6-251	C6-252	1129.62	1129.08	400.00	2.50	0.00	0.00	0.00	3.43	11.93	0.73	-9E+99	3.07	15.07	1.67	0.67
Little Salt	LSAM164	C6-431	C6-432	1131.05	1131.05	17.24	2.50	0.00	0.00	0.00	2.22	7.38	0.72	-9E+99	0.26	1.30	1.61	0.64
Little Salt	LSAM157	C6-172	C6-171	1127.55	1127.26	218.69	3.00	0.00	0.00	0.00	2.78	7.06	0.63	-9E+99	3.44	24.29	1.22	0.41
Little Salt	LSAM160	C6-242	C6-499	1131.46	1131.00	450.30	2.50	0.00	0.01	0.02	0.02	-0.24	0.73	-9E+99	2.67	13.11	1.78	0.71
Little Salt	LSAM163	C6-294	C6-184	1130.58	1130.38	139.00	3.00	0.00	0.00	0.00	1.76	1.75	0.36	-9E+99	3.58	25.30	0.67	0.22
Little Salt	L1510	C6-184	C6-302	1130.38	1130.05	365.90	3.00	0.00	-0.26	-0.18	1.43	1.75	0.41	-9E+99	2.83	20.03	0.83	0.28
Little Salt	LSAM165	C6-252	C6-246	1129.08	1128.52	400.00	2.50	0.00	0.00	0.00	3.47	11.91	0.72	-9E+99	3.13	15.35	1.65	0.66
Little Salt	LSAM167	C6-492	C6-175	1128.75	1128.46	328.10	3.00	0.00	0.00	0.00	2.59	6.19	0.61	-9E+99	2.81	19.83	1.12	0.37
Little Salt	LSAM173	C6-500	C6-349	1126.50	1126.03	100.00	3.00	0.00	0.00	0.00	3.32	7.06	0.80	-9E+99	6.47	45.73	2.09	0.70
Little Salt	LSAM159	C6-499	C6-431	1131.00	1131.05	256.00	2.50	0.00	-1.81	-5.64	2.00	7.38	0.74	-9E+99	1.17	5.73	1.73	0.69
Little Salt	LSAM168	C6-499	C6-500	1140.00	1128.00	219.00	2.00	0.05	0.00	0.00	0.00	0.00	0.01	-9E+99	16.86	52.96	0.12	0.00
Little Salt	LSAM169	C6-498	C6-499	1131.36	1131.00	481.00	3.00	0.00	0.00	0.00	1.91	7.38	0.78	-9E+99	2.58	18.25	1.78	0.59
Little Salt	LSAM171	C6-497	C6-498	1131.68	1131.36	434.00	3.00	0.00	0.00	0.00	2.11	7.39	0.75	-9E+99	2.56	18.11	1.59	0.53
Little Salt	LSAM170	C6-496	C6-497	1132.43	1131.68	632.00	3.00	0.00	0.00	0.00	2.60	7.39	0.67	-9E+99	3.25	22.98	1.48	0.49
Little Salt	LSAM172	C6-495	C6-496	1132.75	1132.43	263.00	3.00	0.00	0.00	0.00	2.79	7.39	0.64	-9E+99	3.29	23.27	1.25	0.42
Little Salt	LSAM176	E7-6	E7-7	1163.58	1162.75	427.00	1.50	0.00	0.00	0.00	2.54	2.32	0.38	-9E+99	2.62	4.63	0.85	0.57
Little Salt	LSAM177	E7-7	E7-8	1162.75	1162.19	428.00	1.50	0.00	0.00	0.00	2.25	2.32	0.40	-9E+99	2.15	3.80	0.85	0.57
Little Salt	LSAM178	E7-8	E7-9	1162.19	1161.34	640.00	1.50	0.00	0.00	0.00	2.27	2.32	0.40	-9E+99	2.17	3.83	0.85	0.57
Little Salt	LSAM179	E7-9	E7-10	1161.34	1160.40	521.00	1.50	0.00	0.00	0.00	2.55	2.32	0.38	-9E+99	2.52	4.46	0.77	0.51
Little Salt	LSAM180	E7-10	E7-11	1160.40	1159.81	327.00	1.50	0.00	0.00	0.00	2.55	2.31	0.38	-9E+99	2.52	4.46	0.77	0.51
Little Salt	LSAM181	E7-11	E7-12	1159.81	1159.16	360.00	1.50	0.00	0.00	0.00	2.55	2.31	0.38	-9E+99	2.53	4.46	0.77	0.51
Little Salt	LSAM182	E7-12	E7-13	1159.16	1158.50	365.00	1.50	0.00	0.00	0.00	2.55	2.31	0.38	-9E+99	2.53	4.47	0.77	0.51
Little Salt	LSAM183	E7-13	E7-14	1158.50	1158.10	222.00	1.50	0.00	0.00	0.00	2.55	2.31	0.38	-9E+99	2.52	4.46	0.77	0.51
Little Salt	LSAM184	E7-14	E7-15	1158.10	1156.99	614.00	1.50	0.00	0.00	0.00	2.55	2.31	0.38	-9E+99	2.53	4.47	0.77	0.52
Little Salt	LSAM185	E7-15	E7-16	1156.99	1155.89	609.00	1.50	0.00	0.00	0.00	2.50	2.31	0.38	-9E+99	2.53	4.46	0.85	0.57
Little Salt	LSAM186	E7-16	E7-17	1155.89	1154.83	590.00	1.50	0.00	0.00	0.00	2.44	2.31	0.38	-9E+99	2.52	4.45	0.85	0.57
Little Salt	LSAM187	E7-17	E7-18	1154.83	1151.16	35.00	1.50	0.10	0.00	0.00	8.55	2.31	0.18	-9E+99	19.25	34.01	0.70	0.47
Little Salt	LSAM400	E7-18	D7-458	1151.16	1150.88	110.00	1.50	0.00	0.00	0.00	2.85	2.31	0.36	-9E+99	3.00	5.30	0.72	0.48
Little Salt	LSAM198	D7-451	D7-452	1142.19	1141.53	106.00	1.75	0.01	0.00	0.00	3.29	2.31	0.32	-9E+99	5.20	12.50	0.96	0.55
Little Salt	LSAM188	D7-450	D7-451	1142.91	1142.19	600.00	1.75	0.00	0.00	0.00	2.17	2.31	0.41	-9E+99	2.28	5.49	0.83	0.47

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM189	D7-448	D7-449	1144.35	1143.63	600.00	1.75	0.00	0.00	0.00	2.18	2.31	0.41	-9E+99	2.28	5.49	0.80	0.46
Little Salt	LSAM191	D7-446	D7-447	1145.55	1145.01	450.00	1.75	0.00	0.00	0.00	2.18	2.31	0.41	-9E+99	2.28	5.49	0.79	0.45
Little Salt	LSAM192	D7-445	D7-446	1146.09	1145.55	444.00	1.75	0.00	0.00	0.00	2.19	2.31	0.41	-9E+99	2.30	5.53	0.79	0.45
Little Salt	LSAM193	D7-458	D7-459	1150.88	1149.63	545.00	1.50	0.00	0.00	0.00	2.79	2.31	0.36	-9E+99	2.85	5.03	0.72	0.48
Little Salt	LSAM194	D7-459	D7-460	1149.63	1148.36	550.00	1.50	0.00	0.00	0.00	2.79	2.31	0.36	-9E+99	2.86	5.05	0.73	0.49
Little Salt	LSAM196	D7-460	D7-461	1148.36	1147.21	500.00	1.50	0.00	0.00	0.00	2.75	2.31	0.37	-9E+99	2.85	5.04	0.73	0.49
Little Salt	LSAM195	D7-461	D7-445	1147.21	1146.09	377.00	1.50	0.00	0.00	0.00	2.98	2.31	0.35	-9E+99	3.24	5.73	0.79	0.53
Little Salt	LSAM363	D7-453	D8-218	1141.27	1140.44	488.00	1.75	0.00	0.00	0.00	2.48	2.31	0.38	-9E+99	2.72	6.53	0.72	0.41
Little Salt	LSAM190	D7-447	D7-448	1145.01	1144.35	550.00	1.75	0.00	0.00	0.00	2.18	2.31	0.41	-9E+99	2.28	5.49	0.79	0.45
Little Salt	LSAM199	D7-449	D7-450	1143.63	1142.91	600.00	1.75	0.00	0.00	0.00	2.16	2.31	0.41	-9E+99	2.28	5.49	0.83	0.47
Little Salt	LSAM197	D7-452	D7-453	1141.53	1141.27	558.00	1.75	0.00	0.00	0.00	1.77	2.31	0.45	-9E+99	1.42	3.42	0.96	0.55
Little Salt	LSAM215	D7-267	D7-418	1139.75	1139.40	450.20	1.75	0.00	0.00	0.00	2.49	5.96	0.53	-9E+99	1.84	4.42	1.80	1.03
Little Salt	LSAM200	D7-247	D7-267	1140.02	1139.75	372.00	1.75	0.00	0.00	0.00	2.37	5.96	0.53	-9E+99	1.77	4.27	2.02	1.15
Little Salt	LSAM205	D7-197	D7-208	1144.58	1143.29	380.00	1.50	0.00	0.00	0.00	3.76	4.46	0.43	-9E+99	3.46	6.12	0.96	0.64
Little Salt	LSAM206	D7-142	D7-197	1145.87	1144.58	360.00	1.50	0.00	0.00	0.00	3.84	4.46	0.42	-9E+99	3.56	6.29	0.96	0.64
Little Salt	LSAM202	D7-208	D7-237	1143.29	1141.77	380.00	1.50	0.00	0.00	0.00	3.96	4.46	0.42	-9E+99	3.76	6.64	1.01	0.67
Little Salt	LSAM203	D7-239	D7-238	1141.01	1140.62	195.85	1.75	0.00	0.00	0.00	2.88	4.45	0.53	-9E+99	2.94	7.07	1.53	0.88
Little Salt	LSAM218	D7-237	D7-456	1141.77	1141.27	163.00	1.75	0.00	0.00	0.00	3.18	4.45	0.48	-9E+99	3.65	8.78	1.26	0.72
Little Salt	L1500	D7-264	D8-24	1138.73	1138.56	117.60	1.75	0.00	0.00	0.00	3.02	7.18	0.53	-9E+99	2.50	6.02	1.69	0.97
Little Salt	LSAM204	D7-238	D7-247	1140.62	1140.02	178.65	1.75	0.00	-0.04	-0.02	2.71	4.45	0.52	-9E+99	3.82	9.18	2.02	1.15
Little Salt	LSAM207	D7-283	D7-142	1146.62	1145.87	219.85	1.50	0.00	0.00	0.00	3.79	4.46	0.43	-9E+99	3.47	6.14	0.95	0.63
Little Salt	LSAM208	D7-281	D7-283	1147.34	1146.62	379.00	1.50	0.00	0.00	0.00	2.74	3.10	0.42	-9E+99	2.59	4.58	0.95	0.63
Little Salt	LSAM209	D7-280	D7-281	1148.09	1147.34	375.00	1.50	0.00	0.00	0.00	2.82	3.10	0.42	-9E+99	2.66	4.70	0.91	0.61
Little Salt	LSAM210	D7-279	D7-280	1148.66	1148.09	385.00	1.50	0.00	0.00	0.00	2.57	3.10	0.43	-9E+99	2.29	4.04	0.98	0.65
Little Salt	LSAM211	D7-278	D7-279	1150.61	1148.66	380.00	1.50	0.01	0.00	0.00	3.83	3.10	0.36	-9E+99	4.26	7.52	0.98	0.65
Little Salt	LSAM212	D7-415	D7-264	1138.75	1138.73	133.00	1.75	0.00	0.00	0.00	2.88	7.18	0.53	-9E+99	0.81	1.94	1.93	1.10
Little Salt	LSAM213	D7-416	D7-415	1139.13	1138.75	227.00	2.25	0.00	0.00	0.00	2.42	7.18	0.68	-9E+99	3.19	12.67	1.93	0.86
Little Salt	LSAM214	D7-417	D7-416	1139.29	1139.13	98.00	2.25	0.00	0.00	0.00	2.70	7.18	0.67	-9E+99	3.15	12.51	1.68	0.75
Little Salt	LSAM216	D7-418	D7-417	1139.40	1139.29	65.00	2.25	0.00	0.00	0.00	2.81	7.18	0.66	-9E+99	3.20	12.74	1.58	0.70
Little Salt	LSAM217	D7-456	D7-239	1141.27	1141.01	217.00	1.75	0.00	0.00	0.00	2.61	4.45	0.52	-9E+99	2.28	5.48	1.30	0.75
Little Salt	LSAM230	C7-384	C7-396	1128.55	1127.01	403.00	3.50	0.00	0.00	0.00	5.16	21.04	0.80	-9E+99	6.46	62.19	2.14	0.61
Little Salt	LSAM241	C7-385	C7-384	1128.60	1128.55	59.20	3.50	0.00	0.00	0.00	4.88	21.04	0.83	-9E+99	3.04	29.24	1.62	0.46
Little Salt	LSAM231	C7-396	C7-383	1127.01	1126.70	346.00	3.50	0.00	0.00	0.00	3.42	21.04	0.98	-9E+99	3.13	30.12	2.14	0.61
Little Salt	LSAM242	C7-387	C7-386	1129.09	1128.98	107.00	3.50	0.00	0.00	0.00	3.66	21.04	0.95	-9E+99	3.35	32.26	2.02	0.58
Little Salt	LSAM240	C7-386	C7-385	1128.98	1128.60	503.00	3.50	0.00	0.00	0.00	3.76	21.04	0.94	-9E+99	2.87	27.65	2.01	0.58
Little Salt	LSAM243	C7-395	C7-387	1129.32	1129.09	265.00	3.50	0.00	0.00	0.00	3.52	20.76	0.96	-9E+99	3.08	29.64	2.07	0.59
Little Salt	LSAM244	C7-390	C7-395	1129.69	1129.32	277.00	3.50	0.00	0.00	0.00	3.66	20.76	0.95	-9E+99	3.82	36.77	2.07	0.59
Little Salt	LSAM245	C7-391	C7-390	1129.90	1129.69	275.00	3.50	0.00	0.00	0.00	3.51	20.76	0.96	-9E+99	2.89	27.80	2.08	0.59
Little Salt	LSAM246	C6-448	C7-391	1129.92	1129.90	89.00	3.50	0.00	0.00	0.00	3.37	20.76	0.98	-9E+99	1.57	15.08	2.15	0.61
Little Salt	LSAM247	C6-449	C6-448	1130.03	1129.92	62.00	3.00	0.00	0.00	0.00	3.89	20.76	0.89	-9E+99	3.97	28.09	2.15	0.72
Little Salt	LSAM248	C6-450	C6-449	1130.13	1130.03	45.40	3.00	0.00	0.00	0.00	3.98	20.76	0.89	-9E+99	4.43	31.30	2.12	0.71
Little Salt	LSAM221	C7-185	C7-194	1129.18	1128.73	351.00	2.50	0.00	0.00	0.00	2.27	2.69	0.42	-9E+99	2.99	14.69	0.73	0.29
Little Salt	LSAM228	C7-194	C7-232	1128.73	1128.28	351.00	2.50	0.00	0.00	0.00	2.24	2.69	0.42	-9E+99	2.99	14.69	0.76	0.30
Little Salt	LSAM225	C7-165	C7-166	1132.96	1132.49	394.00	2.25	0.00	0.00	0.00	1.34	0.50	0.21	-9E+99	2.69	10.70	0.34	0.15
Little Salt	LSAM222	C7-167	C7-170	1131.92	1131.32	290.00	2.50	0.00	0.00	0.00	1.57	0.50	0.18	-9E+99	3.80	18.66	0.36	0.15
Little Salt	LSAM237	C7-170	C7-316	1131.32	1130.89	334.00	2.50	0.00	-0.27	-0.17	1.02	0.50	0.28	-9E+99	3.00	14.72	0.65	0.26
Little Salt	LSAM232	C7-175	C7-281	1130.67	1130.45	108.00	2.50	0.00	0.00	0.00	2.52	2.69	0.39	-9E+99	3.77	18.51	0.72	0.29
Little Salt	LSAM223	C7-184	C7-185	1129.61	1129.18	328.00	2.50	0.00	0.00	0.00	2.29	2.69	0.41	-9E+99	3.03	14.85	0.73	0.29
Little Salt	LSAM234	C7-182	C7-183	1130.00	1129.64	246.00	2.50	0.00	0.00	0.00	2.03	2.69	0.44	-9E+99	3.20	15.69	0.93	0.37

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM227	C7-166	C7-167	1132.49	1131.92	322.00	2.50	0.00	0.00	0.00	1.54	0.50	0.19	-9E+99	3.52	17.26	0.30	0.12
Little Salt	LSAM226	C7-164	C7-165	1133.15	1132.96	132.00	2.25	0.00	0.00	0.00	1.42	0.50	0.20	-9E+99	2.96	11.75	0.34	0.15
Little Salt	LSAM229	C7-233	C7-380	1127.83	1125.73	353.00	2.50	0.01	0.00	0.00	3.36	2.69	0.34	-9E+99	6.44	31.64	2.05	0.82
Little Salt	LSAM233	C7-281	C7-182	1130.45	1130.00	314.00	2.50	0.00	0.00	0.00	2.29	2.69	0.41	-9E+99	3.16	15.53	0.77	0.31
Little Salt	LSAM224	C7-183	C7-184	1129.64	1129.61	335.00	2.50	0.00	0.00	0.00	1.66	2.69	0.50	-9E+99	0.79	3.88	0.93	0.37
Little Salt	LSAM236	C7-176	C7-233	1128.10	1127.83	149.00	2.50	0.00	0.00	0.00	2.69	2.69	0.37	-9E+99	3.56	17.46	0.66	0.26
Little Salt	LSAM238	C7-316	C7-175	1130.89	1130.67	107.00	2.50	0.00	0.00	0.00	2.64	2.69	0.38	-9E+99	3.79	18.60	0.67	0.27
Little Salt	LSAM239	C7-162	C7-164	1133.15	1133.15	276.00	2.25	0.00	0.00	0.00	0.89	0.50	0.27	-9E+99	0.25	0.98	0.46	0.20
Little Salt	LSAM235	C7-232	C7-176	1128.28	1128.10	202.00	2.50	0.00	0.00	0.00	2.18	2.69	0.43	-9E+99	2.49	12.24	0.76	0.30
Little Salt	LSAM249	C7-151	C7-152	1137.74	1137.40	53.00	2.00	0.01	0.00	0.00	4.40	7.18	0.51	-9E+99	5.77	18.12	1.23	0.62
Little Salt	LSAM250	C7-152	C7-155	1137.40	1136.73	325.00	2.00	0.00	0.00	0.00	3.53	7.18	0.56	-9E+99	3.27	10.27	1.24	0.62
Little Salt	LSAM251	C7-155	C7-158	1136.73	1136.06	327.00	2.00	0.00	0.00	0.00	3.52	7.18	0.56	-9E+99	3.26	10.24	1.24	0.62
Little Salt	LSAM252	C7-158	C7-159	1136.06	1135.38	335.00	2.00	0.00	0.00	0.00	3.53	7.18	0.56	-9E+99	3.24	10.19	1.24	0.62
Little Salt	LSAM253	C7-159	C7-398	1135.38	1134.71	320.00	2.00	0.00	0.00	0.00	3.67	7.18	0.55	-9E+99	3.29	10.35	1.22	0.61
Little Salt	LSAM254	C7-398	C8-50	1134.71	1134.51	34.50	2.00	0.01	0.00	0.00	4.66	7.18	0.49	-9E+99	5.48	17.22	1.06	0.53
Little Salt	LSAM255	C7-33	C7-30	1140.20	1139.90	187.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.38	4.21	-0.41	0.00
Little Salt	LSAM256	C7-30	C7-29	1139.49	1138.96	366.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.26	4.00	0.00	0.00
Little Salt	LSAM257	C7-29	C7-255	1138.96	1138.47	330.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.29	4.05	0.00	0.00
Little Salt	LSAM258	C7-255	C6-452	1138.47	1138.42	33.00	0.67	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.35	0.48	0.00	0.00
Little Salt	LSAM262	C7-314	C7-313	1125.47	1125.32	363.72	4.00	0.00	0.00	0.00	2.27	15.04	1.02	-9E+99	2.32	29.17	2.09	0.52
Little Salt	L1499	C7-343	C-11	1125.54	1125.00	100.00	4.00	0.01	0.00	0.00	6.26	17.90	0.64	-9E+99	8.40	105.56	1.11	0.28
Little Salt	LSAM281	C7-309	C7-343	1124.57	1125.54	82.12	4.00	-0.01	-2.42	-14.55	2.76	17.90	1.01	-9E+99	12.42	156.12	2.08	0.52
Little Salt	LSAM282	C7-310	C7-309	1124.74	1124.57	468.03	4.00	0.00	-0.70	-1.02	2.19	15.04	1.04	-9E+99	2.18	27.38	2.15	0.54
Little Salt	LSAM259	C7-311	C7-310	1124.92	1124.74	449.01	4.00	0.00	0.00	0.00	2.22	15.04	1.04	-9E+99	2.29	28.76	2.15	0.54
Little Salt	LSAM260	C7-312	C7-311	1125.12	1124.92	499.01	4.00	0.00	0.00	0.00	2.24	15.04	1.03	-9E+99	2.29	28.76	2.13	0.53
Little Salt	LSAM261	C7-313	C7-312	1125.32	1125.12	499.02	4.00	0.00	0.00	0.00	2.26	15.04	1.03	-9E+99	2.29	28.76	2.11	0.53
Little Salt	LSAM266	C7-307	C7-308	1127.03	1126.58	299.50	1.50	0.00	0.00	0.00	2.45	2.20	0.37	-9E+99	2.30	4.07	0.79	0.53
Little Salt	LSAM263	C7-306	C7-307	1127.63	1127.03	398.90	1.50	0.00	0.00	0.00	2.34	2.20	0.39	-9E+99	2.31	4.07	0.79	0.53
Little Salt	LSAM264	C7-305	C7-306	1128.10	1127.63	313.03	1.50	0.00	0.00	0.00	2.35	2.20	0.39	-9E+99	2.30	4.07	0.79	0.52
Little Salt	LSAM265	C7-304	C7-305	1128.63	1128.10	327.34	1.50	0.00	0.00	0.00	2.40	2.20	0.38	-9E+99	2.39	4.23	0.79	0.52
Little Salt	LSAM290	C7-303	C7-304	1129.03	1128.63	401.96	1.50	0.00	0.00	0.00	2.09	2.20	0.41	-9E+99	1.88	3.31	0.88	0.58
Little Salt	LSAM283	C7-308	C7-309	1126.58	1124.57	128.38	1.50	0.02	0.00	0.00	4.14	2.20	0.28	-9E+99	7.44	13.14	2.15	1.44
Little Salt	LSAM284	C7-375	C8-44	1122.98	1122.89	107.66	4.00	0.00	0.00	0.00	3.05	23.71	1.10	-9E+99	3.30	41.53	2.40	0.60
Little Salt	LSAM267	C7-376	C7-375	1123.22	1122.98	435.27	4.00	0.00	0.00	0.00	3.02	23.71	1.11	-9E+99	2.68	33.73	2.40	0.60
Little Salt	LSAM268	C7-377	C7-376	1123.48	1123.22	434.05	4.00	0.00	0.00	0.00	3.01	23.71	1.11	-9E+99	2.80	35.16	2.40	0.60
Little Salt	LSAM269	C7-378	C7-377	1124.55	1123.48	444.06	3.50	0.00	0.00	0.00	4.30	23.71	0.93	-9E+99	5.13	49.39	2.40	0.69
Little Salt	LSAM270	C7-379	C7-378	1125.14	1124.55	454.06	3.50	0.00	0.00	0.00	4.16	23.71	0.95	-9E+99	3.77	36.27	2.02	0.58
Little Salt	LSAM271	C7-380	C7-379	1125.73	1125.14	457.06	3.50	0.00	0.00	0.00	4.06	23.71	0.96	-9E+99	3.76	36.15	2.05	0.59
Little Salt	LSAM272	C7-381	C7-380	1126.04	1125.73	346.04	3.50	0.00	-0.40	-0.25	3.51	21.04	0.97	-9E+99	3.13	30.11	2.09	0.60
Little Salt	LSAM276	C7-382	C7-276	1126.35	1126.21	155.92	3.50	0.00	0.00	0.00	3.46	21.04	0.97	-9E+99	3.13	30.15	2.12	0.61
Little Salt	LSAM273	C7-383	C7-382	1126.70	1126.35	381.46	3.50	0.00	0.00	0.00	3.44	21.04	0.98	-9E+99	3.17	30.48	2.13	0.61
Little Salt	LSAM274	C7-231	C6-251	1130.13	1129.62	493.91	2.50	0.00	0.00	0.00	3.03	10.71	0.73	-9E+99	2.69	13.18	1.70	0.68
Little Salt	LSAM275	C7-276	C7-381	1126.21	1126.04	186.83	3.50	0.00	-0.10	-0.02	3.48	21.04	0.97	-9E+99	3.15	30.35	2.11	0.60
Little Salt	LSAM292	C7-338	C7-231	1130.56	1130.13	400.18	2.00	0.00	0.00	0.00	3.40	10.92	0.61	-9E+99	2.36	7.42	2.16	1.08
Little Salt	LSAM277	C7-339	C7-338	1131.04	1130.56	397.99	2.00	0.00	0.00	0.00	3.55	11.21	0.61	-9E+99	2.50	7.86	2.65	1.32
Little Salt	LSAM278	C7-340	C7-339	1131.58	1131.04	446.74	2.00	0.00	0.00	0.00	3.54	11.17	0.61	-9E+99	2.50	7.87	3.13	1.56
Little Salt	LSAM279	C7-341	C7-340	1132.00	1131.58	346.27	2.00	0.00	0.00	0.00	3.55	11.21	0.61	-9E+99	2.51	7.88	3.54	1.77
Little Salt	3183.1	C-11	N1475	0.00	0.00	33.00	0.16	0.00	0.00	0.00	0.00	36.75	0.00	-9E+99	0.00	0.00	-9.00E+99	0.00
Little Salt	C-11 Pump	C-11	N1475	0.00	0.00	33.00	0.16	0.00	0.00	0.00	0.00	36.75	0.00	-9E+99	0.00	0.00	-9.00E+99	0.00

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM285	C7-431	C6-495	1132.96	1132.75	219.11	2.50	0.00	0.00	0.00	2.93	7.39	0.63	-9E+99	2.59	12.70	1.29	0.51
Little Salt	LSAM286	C7-430	C7-431	1133.72	1132.96	710.27	3.00	0.00	0.00	0.00	2.72	7.40	0.65	-9E+99	3.09	21.82	1.29	0.43
Little Salt	LSAM291	C7-429	C7-430	1134.52	1133.72	737.81	3.00	0.00	0.00	0.00	2.80	7.43	0.65	-9E+99	3.11	21.96	1.22	0.41
Little Salt	LSAM287	C7-428	C7-429	1134.96	1134.52	420.60	3.00	0.00	0.00	0.00	2.83	7.70	0.66	-9E+99	3.05	21.57	1.25	0.42
Little Salt	LSAM289	C7-427	C7-428	1135.35	1134.96	358.36	3.00	0.00	0.00	0.00	3.00	8.70	0.68	-9E+99	3.11	22.00	1.33	0.44
Little Salt	L1498	C7-427	C7-341	1135.35	1132.00	408.80	2.00	0.01	0.00	0.00	5.85	11.50	0.57	-9E+99	6.52	20.48	3.54	1.77
Little Salt	LSAM297	C8-4	C8-90	1126.92	1126.54	442.00	3.00	0.00	-0.15	-0.08	3.31	11.45	0.74	-9E+99	2.77	19.56	1.51	0.50
Little Salt	LSAM299	C8-16	C8-15	1130.52	1130.35	492.00	3.00	0.00	0.00	0.00	2.19	9.25	0.82	-9E+99	1.75	12.40	1.74	0.58
Little Salt	LSAM298	C8-12	C8-11	1129.65	1129.30	404.00	3.00	0.00	0.00	0.00	2.53	9.25	0.76	-9E+99	2.78	19.63	1.61	0.54
Little Salt	LSAM301	C8-11	C8-10	1129.30	1129.09	429.00	3.00	0.00	0.00	0.00	2.40	9.25	0.78	-9E+99	2.09	14.76	1.61	0.54
Little Salt	LSAM302	C8-10	C8-9	1129.09	1128.82	394.00	3.00	0.00	0.00	0.00	2.54	9.25	0.76	-9E+99	2.47	17.46	1.54	0.51
Little Salt	LSAM311	C8-9	C8-115	1128.82	1128.69	171.00	3.00	0.00	0.00	0.00	2.56	9.25	0.76	-9E+99	2.60	18.39	1.53	0.51
Little Salt	LSAM307	C8-71	C8-4	1127.06	1126.92	107.00	3.00	0.00	0.00	0.00	3.24	11.45	0.75	-9E+99	3.41	24.13	1.51	0.50
Little Salt	LSAM293	C8-90	C7-314	1126.54	1125.47	89.89	3.00	0.01	0.00	0.00	5.57	15.04	0.64	-9E+99	10.30	72.77	2.08	0.69
Little Salt	LSAM313	C8-13	C8-12	1129.88	1129.65	446.00	3.00	0.00	0.00	0.00	2.42	9.25	0.78	-9E+99	2.14	15.15	1.60	0.53
Little Salt	LSAM312	C8-14	C8-13	1130.12	1129.88	450.00	3.00	0.00	0.00	0.00	2.36	9.25	0.79	-9E+99	2.18	15.40	1.63	0.54
Little Salt	LSAM300	C8-15	C8-14	1130.35	1130.12	450.00	3.00	0.00	0.00	0.00	2.31	9.25	0.80	-9E+99	2.13	15.08	1.66	0.55
Little Salt	LSAM303	C8-92	C8-8	1128.63	1128.53	142.00	3.00	0.00	0.00	0.00	2.53	9.25	0.76	-9E+99	2.50	17.70	1.54	0.51
Little Salt	LSAM306	C8-7	C8-6	1128.19	1127.76	500.00	3.00	0.00	-0.11	-0.07	2.54	9.25	0.76	-9E+99	2.77	19.56	1.61	0.54
Little Salt	LSAM305	C8-6	C8-122	1127.76	1127.69	220.00	3.00	0.00	-1.01	-0.60	2.41	9.25	0.78	-9E+99	1.68	11.90	1.61	0.54
Little Salt	LSAM308	C8-5	C8-71	1127.34	1127.06	330.00	3.00	0.00	0.00	0.00	3.06	11.45	0.77	-9E+99	2.75	19.43	1.58	0.53
Little Salt	LSAM309	C8-122	C8-5	1127.69	1127.34	280.00	3.00	0.00	0.00	0.00	3.15	11.45	0.76	-9E+99	3.34	23.58	1.58	0.53
Little Salt	LSAM310	C8-115	C8-92	1128.69	1128.63	74.00	3.00	0.00	0.00	0.00	2.54	9.25	0.76	-9E+99	2.69	18.99	1.54	0.51
Little Salt	LSAM304	C8-8	C8-7	1128.53	1128.19	500.00	3.00	0.00	0.00	0.00	2.53	9.25	0.76	-9E+99	2.46	17.39	1.54	0.51
Little Salt	LSAM314	C8-44	C8-43	1122.89	1122.67	359.74	4.00	0.00	0.00	0.00	3.02	23.71	1.11	-9E+99	2.83	35.52	2.40	0.60
Little Salt	LSAM315	C8-43	C8-42	1122.67	1122.45	360.00	4.00	0.00	0.00	0.00	3.01	23.71	1.11	-9E+99	2.83	35.51	2.40	0.60
Little Salt	LSAM316	C8-42	C8-41	1122.45	1122.23	364.31	4.00	0.00	0.00	0.00	3.01	23.70	1.11	-9E+99	2.81	35.30	2.40	0.60
Little Salt	LSAM317	C8-41	C8-40	1122.23	1122.21	39.60	4.00	0.00	0.00	0.00	3.01	23.70	1.11	-9E+99	2.57	32.28	2.40	0.60
Little Salt	LSAM318	C8-40	C8-39	1122.21	1121.93	461.09	4.00	0.00	0.00	0.00	3.02	23.70	1.11	-9E+99	2.82	35.40	2.40	0.60
Little Salt	LSAM319	C8-39	C8-38	1121.93	1121.62	515.00	4.00	0.00	0.00	0.00	3.02	23.70	1.11	-9E+99	2.80	35.24	2.40	0.60
Little Salt	LSAM320	C8-38	C8-37	1121.62	1121.31	515.00	4.00	0.00	0.00	0.00	3.02	23.70	1.11	-9E+99	2.80	35.24	2.39	0.60
Little Salt	LSAM321	C8-37	C8-36	1121.31	1121.00	510.00	4.00	0.00	0.00	0.00	3.03	23.70	1.11	-9E+99	2.82	35.41	2.39	0.60
Little Salt	LSAM322	C8-36	C8-35	1121.00	1120.69	515.32	4.00	0.00	0.00	0.00	3.03	23.70	1.11	-9E+99	2.80	35.23	2.39	0.60
Little Salt	LSAM323	C8-35	C8-34	1120.69	1120.64	90.66	4.00	0.00	0.00	0.00	3.05	23.70	1.10	-9E+99	2.68	33.73	2.38	0.59
Little Salt	LSAM324	C8-34	C8-33	1120.64	1120.36	469.02	4.00	0.00	0.00	0.00	3.06	23.70	1.10	-9E+99	2.79	35.10	2.37	0.59
Little Salt	LSAM325	C8-33	C8-32	1120.36	1120.07	475.00	4.00	0.00	0.00	0.00	3.09	23.70	1.10	-9E+99	2.82	35.49	2.35	0.59
Little Salt	LSAM326	C8-32	C8-31	1120.07	1119.77	489.00	4.00	0.00	0.00	0.00	3.13	23.70	1.09	-9E+99	2.83	35.58	2.33	0.58
Little Salt	LSAM327	C8-31	C8-30	1119.77	1119.51	436.00	4.00	0.00	0.00	0.00	3.20	23.70	1.08	-9E+99	2.79	35.08	2.29	0.57
Little Salt	LSAM328	C8-30	C8-29	1119.51	1119.24	440.00	4.00	0.00	0.00	0.00	3.32	23.70	1.06	-9E+99	2.83	35.58	2.23	0.56
Little Salt	LSAM329	C8-29	C8-28	1119.24	1118.48	438.46	4.00	0.00	-0.23	-0.39	3.41	23.70	1.05	-9E+99	4.76	59.80	2.60	0.65
Little Salt	L1505	C8-28	C8-27	1118.48	1118.25	381.54	4.50	0.00	0.00	0.00	3.24	30.82	1.28	-9E+99	3.04	48.28	2.60	0.58
Little Salt	LSAM335	C8-27	C8-26	1118.25	1118.02	380.00	4.50	0.00	0.00	0.00	3.25	30.82	1.28	-9E+99	3.04	48.38	2.59	0.58
Little Salt	LSAM331	C8-25	C8-24	1117.79	1117.74	84.80	4.50	0.00	0.00	0.00	3.27	30.81	1.27	-9E+99	3.00	47.75	2.58	0.57
Little Salt	LSAM332	C8-24	C8-23	1117.74	1117.45	485.88	4.50	0.00	0.00	0.00	3.28	30.81	1.27	-9E+99	3.02	48.04	2.57	0.57
Little Salt	LSAM333	C8-23	C8-22	1117.45	1117.16	490.00	4.50	0.00	0.00	0.00	3.32	30.81	1.26	-9E+99	3.01	47.84	2.55	0.57
Little Salt	LSAM334	C8-22	C8-21	1117.16	1116.87	490.00	4.50	0.00	0.00	0.00	3.39	30.81	1.24	-9E+99	3.01	47.84	2.51	0.56
Little Salt	LSAM337	C8-21	C8-20	1116.87	1116.57	490.00	4.50	0.00	0.00	0.00	3.50	30.81	1.21	-9E+99	3.06	48.66	2.45	0.54
Little Salt	LSAM336	C8-26	C8-25	1118.02	1117.79	380.00	4.50	0.00	0.00	0.00	3.26	30.82	1.27	-9E+99	3.04	48.38	2.59	0.58
Little Salt	LSAM342	C8-20	C8-19	1116.57	1116.07	489.50	4.50	0.00	0.00	0.00	3.64	30.81	1.17	-9E+99	3.95	62.85	2.46	0.55

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM341	C8-50	C8-51	1134.51	1134.27	88.00	2.00	0.00	0.00	0.00	4.33	7.18	0.51	-9E+99	3.76	11.81	1.06	0.53
Little Salt	LSAM347	C8-51	C8-49	1134.27	1132.22	353.00	2.00	0.01	0.00	0.00	5.22	7.18	0.47	-9E+99	5.49	17.24	0.92	0.46
Little Salt	LSAM346	C8-49	C8-70	1132.22	1130.84	252.00	2.00	0.01	0.00	0.00	4.93	7.18	0.48	-9E+99	5.33	16.74	1.12	0.56
Little Salt	LSAM343	C8-70	C8-48	1130.84	1129.97	198.00	2.00	0.00	0.00	0.00	3.77	7.18	0.54	-9E+99	4.77	15.00	1.65	0.82
Little Salt	LSAM345	C8-48	C8-102	1129.97	1130.50	217.00	2.00	0.00	-2.44	-5.72	2.77	7.18	0.59	-9E+99	3.56	11.18	1.27	0.63
Little Salt	LSAM344	C8-102	C8-47	1130.50	1127.72	231.00	2.00	0.01	0.00	0.00	6.58	7.18	0.41	-9E+99	7.90	24.82	0.94	0.47
Little Salt	LSAM339	C8-46	C8-45	1125.48	1123.23	450.00	2.00	0.01	0.00	0.00	4.75	7.18	0.49	-9E+99	5.09	16.00	0.99	0.50
Little Salt	LSAM340	C8-47	C8-46	1127.72	1125.48	450.00	2.00	0.00	0.00	0.00	4.91	7.18	0.48	-9E+99	5.08	15.96	0.99	0.50
Little Salt	LSAM338	C8-45	C8-28	1123.23	1118.48	450.00	2.00	0.01	0.00	0.00	5.56	7.18	0.43	-9E+99	7.40	23.24	2.60	1.30
Little Salt	LSAM360	D8-147	D8-149	1126.15	1124.96	336.00	1.50	0.00	0.00	0.00	2.77	1.55	0.29	-9E+99	3.54	6.25	0.72	0.48
Little Salt	LSAM361	D8-149	D8-150	1124.96	1124.61	350.00	1.50	0.00	0.00	0.00	1.86	1.55	0.36	-9E+99	1.88	3.32	0.72	0.48
Little Salt	LSAM358	D8-150	D8-151	1124.61	1124.23	350.00	1.50	0.00	0.00	0.00	2.00	1.55	0.35	-9E+99	1.96	3.46	0.70	0.47
Little Salt	LSAM359	D8-151	D8-163	1124.23	1121.65	294.00	1.50	0.01	0.00	0.00	3.78	1.55	0.24	-9E+99	5.57	9.84	0.43	0.29
Little Salt	LSAM357	D8-163	C8-19	1121.65	1116.28	263.00	1.50	0.02	0.00	0.00	5.01	1.55	0.21	-9E+99	8.49	15.01	2.25	1.50
Little Salt	LSAM356	D8-81	D8-87	1136.25	1132.56	111.00	2.00	0.03	0.00	0.00	1.82	0.10	0.09	-9E+99	13.13	41.25	0.95	0.48
Little Salt	LSAM355	D8-87	D8-185	1132.56	1132.27	182.00	2.00	0.00	0.00	0.00	2.65	3.94	0.49	-9E+99	2.87	9.03	1.00	0.50
Little Salt	LSAM354	D8-185	D8-86	1132.27	1131.99	278.00	2.00	0.00	0.00	0.00	2.58	3.94	0.49	-9E+99	2.29	7.18	1.00	0.50
Little Salt	LSAM353	D8-86	D8-91	1131.99	1131.75	100.00	2.00	0.00	0.00	0.00	3.30	3.94	0.43	-9E+99	3.53	11.08	0.81	0.41
Little Salt	LSAM352	D8-91	D8-141	1131.75	1130.95	267.00	2.00	0.00	0.00	0.00	3.48	3.94	0.42	-9E+99	3.94	12.38	0.79	0.40
Little Salt	LSAM351	D8-141	D8-88	1130.95	1130.55	145.00	2.00	0.00	0.00	0.00	3.40	3.94	0.43	-9E+99	3.78	11.88	0.79	0.40
Little Salt	LSAM350	D8-88	D8-171	1130.55	1129.54	351.00	2.00	0.00	0.00	0.00	3.45	3.94	0.42	-9E+99	3.86	12.14	0.78	0.39
Little Salt	LSAM349	D8-171	D8-89	1129.54	1129.38	56.00	2.00	0.00	0.00	0.00	3.47	3.94	0.42	-9E+99	3.85	12.09	0.78	0.39
Little Salt	LSAM348	D8-89	D9-84	1129.38	1128.13	408.00	2.00	0.00	0.00	0.00	3.41	3.94	0.42	-9E+99	3.99	12.52	0.94	0.47
	LSAM100	C8-19	C9-10	1116.07	1115.57	506.00	4.50	0.00	0.00	0.00	3.61	32.32	1.23	-9E+99	3.89	61.82	2.58	0.57
Little Salt	LSAM362	D8-226	D8-87	1133.24	1132.56	159.00	2.00	0.00	0.00	0.00	3.62	3.84	0.40	-9E+99	4.71	14.79	0.95	0.48
Little Salt	LSAM364	D8-218	D8-219	1140.44	1139.50	550.00	1.75	0.00	0.00	0.00	2.49	2.31	0.38	-9E+99	2.72	6.55	0.72	0.41
Little Salt	LSAM365	D8-219	D8-220	1139.50	1138.57	550.00	1.75	0.00	0.00	0.00	2.48	2.31	0.38	-9E+99	2.71	6.52	0.72	0.41
Little Salt	LSAM367	D8-220	D8-221	1138.57	1137.63	550.00	1.75	0.00	0.00	0.00	2.48	2.31	0.38	-9E+99	2.72	6.55	0.73	0.42
Little Salt	LSAM368	D8-222	D8-223	1136.74	1135.84	525.00	1.75	0.00	0.00	0.00	2.47	2.31	0.38	-9E+99	2.73	6.56	0.73	0.42
Little Salt	LSAM366	D8-221	D8-222	1137.63	1136.74	550.00	1.75	0.00	0.00	0.00	2.44	2.31	0.39	-9E+99	2.65	6.37	0.73	0.42
Little Salt	LSAM369	D8-223	D8-224	1135.84	1134.71	525.00	1.75	0.00	0.00	0.00	2.64	2.31	0.37	-9E+99	3.06	7.35	0.77	0.44
Little Salt	LSAM370	D8-224	D8-225	1134.71	1133.81	663.00	1.75	0.00	0.00	0.00	2.25	2.31	0.40	-9E+99	2.43	5.84	0.82	0.47
Little Salt	LSAM371	D8-225	D8-226	1133.81	1133.24	530.00	1.75	0.00	0.00	0.00	2.12	2.31	0.42	-9E+99	2.16	5.20	0.82	0.47
Stevens Creek	LSAM69	D8-230	D9-98	1112.84	1112.09	933.00	6.00	0.00	0.00	0.00	0.00	0.00	0.06	-9E+99	4.25	120.07	0.73	0.00
Stevens Creek	LSAM372	D8-229	D8-230	1112.84	1113.32	173.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	7.89	223.08	0.00	0.00
Stevens Creek	PSC1	SV-MH-85	SV-MH-84	1292.52	1281.52	550.00	1.50	0.02	0.00	0.00	0.00	0.00	0.00	-9E+99	8.41	14.86	0.00	0.00
Stevens Creek	PSC2	SV-MH-84	SV-MH-83	1281.52	1274.32	599.99	1.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	6.51	11.51	-0.25	0.00
Stevens Creek	PSC3	SV-MH-83	SV-MH 82	1274.07	1271.87	550.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.17	10.02	0.00	0.00
Stevens Creek	PSC4	SV-MH 82	SV-MH-81	1271.87	1269.67	550.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.17	10.02	-0.25	0.00
Stevens Creek	PSC5	SV-MH-81	SV-MH-80	1269.42	1266.42	600.00	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.09	16.00	-0.10	0.00
Stevens Creek	PSC6	SV-MH-80	SV-MH-79	1266.32	1263.32	600.00	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.09	16.00	0.00	0.00
Stevens Creek	PSC7	SV-MH-79	SV-MH-78	1263.32	1260.82	500.00	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.09	16.00	0.00	0.00
Stevens Creek	PSC8	SV-MH-78	SV-MH-77	1260.82	1258.32	500.00	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.09	16.00	0.00	0.00
Stevens Creek	PSC9	SV-MH-77	SV-JSE-5C	1258.32	1255.82	500.00	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.09	16.00	-0.50	0.00
Stevens Creek	PSC10	SV-JSE-5C	SV-MH-76	1255.32	1253.04	600.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.15	25.28	0.00	0.00
Stevens Creek	PSC11	SV-MH-76	SV-MH-75	1253.04	1250.76	600.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.15	25.28	0.00	0.00
Stevens Creek	PSC12	SV-MH-75	SV-MH-74	1250.76	1248.48	600.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.15	25.28	-0.10	0.00
Stevens Creek	PSC13	SV-MH-74	SV-MH-73	1248.38	1246.65	455.01	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.15	25.29	0.00	0.00
Stevens Creek	PSC14	SV-MH-73	SV-MH-72	1246.65	1243.63	795.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.15	25.28	0.00	0.00

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Stevens Creek	PSC15	SV-MH-72	SV-MH-71	1243.63	1242.30	350.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.15	25.28	-0.10	0.00
Stevens Creek	PSC16	SV-MH-71	SV-MH-70	1242.20	1239.92	600.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.15	25.28	0.00	0.00
Stevens Creek	PSC17	SV-MH-70	SV-MH-69	1239.92	1237.64	600.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.15	25.28	-0.10	0.00
Stevens Creek	PSC18	SV-MH-69	SV-MH-68	1237.54	1235.26	600.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.15	25.28	0.00	0.00
Stevens Creek	PSC19	SV-MH-68	SV-MH-67	1235.26	1230.01	699.99	2.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	7.24	35.52	0.00	0.00
Stevens Creek	PSC20	SV-MH-67	SV-MH-66	1230.01	1224.76	700.00	2.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	7.24	35.52	-0.10	0.00
Stevens Creek	PSC21	SV-MH-66	SV-MH-65	1224.66	1219.16	500.00	2.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	8.76	43.02	-0.50	0.00
Stevens Creek	PSC22	SV-MH-65	SV-MH-64	1218.66	1214.46	1050.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.97	42.18	-0.10	0.00
Stevens Creek	PSC23	SV-MH-64	SV-MH-63	1214.36	1210.56	949.99	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.97	42.18	-0.10	0.00
Stevens Creek	PSC24	SV-MH-63	SV-MH-62	1210.46	1206.26	1050.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.97	42.18	0.00	0.00
Stevens Creek	PSC25	SV-MH-62	SV-MH-61	1206.26	1202.20	1014.19	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.97	42.20	0.00	0.00
Stevens Creek	PSC26	SV-MH-61	SV-MH-60	1202.20	1199.93	568.55	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.96	42.14	0.00	0.00
Stevens Creek	PSC27	SV-MH-60	SV-MH-59	1199.93	1198.88	420.93	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.71	33.31	-0.10	0.00
Stevens Creek	PSC28	SV-MH-59	SV-MH-58	1198.78	1197.49	514.39	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.73	33.40	-0.10	0.00
Stevens Creek	PSC29	SV-MH-58	SV-MH-57	1197.39	1195.14	900.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.72	33.35	0.00	0.00
Stevens Creek	PSC30	SV-MH-57	SV-MH-56	1195.14	1192.89	901.94	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.71	33.31	0.00	0.00
Stevens Creek	PSC31	SV-MH-56	SV-MH-55	1192.89	1191.10	714.94	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.72	33.37	0.00	0.00
Stevens Creek	PSC32	SV-MH-55	SV-MH-54	1191.10	1188.39	1085.06	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.72	33.33	0.00	0.00
Stevens Creek	PSC33	SV-MH-54	SV-MH-53	1188.39	1185.64	1100.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.72	33.35	-0.50	0.00
Stevens Creek	PSC34	SV-MH-53	SV-MH-52	1185.14	1184.17	970.00	3.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.31	31.82	0.00	0.00
Stevens Creek	PSC35	SV-MH-52	SV-MH-51	1184.17	1183.47	700.00	3.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.31	31.82	0.00	0.00
Stevens Creek	PSC36	SV-MH-51	SV-MH-50	1183.47	1182.77	699.99	3.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.31	31.82	0.00	0.00
Stevens Creek	PSC37	SV-MH-50	SV-JSE-4	1182.77	1181.72	1050.01	3.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.31	31.82	-0.50	0.00
Stevens Creek	PSC38	SV-JSE-4	SV-MH-49	1181.22	1179.64	750.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.25	65.93	0.00	0.00
Stevens Creek	PSC39	SV-MH-49	SV-MH-48	1179.64	1178.06	750.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.25	65.93	0.00	0.00
Stevens Creek	PSC40	SV-MH-48	SV-MH-47	1178.06	1176.58	702.39	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.25	65.94	0.00	0.00
Stevens Creek	PSC41	SV-MH-47	SV-MH-46	1176.58	1174.91	797.61	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.23	65.73	0.00	0.00
Stevens Creek	PSC42	SV-MH-46	SV-MH-45	1174.91	1172.60	1100.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.24	65.83	0.00	0.00
Stevens Creek	PSC43	SV-MH-45	SV-MH-44	1172.60	1170.29	1100.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.24	65.83	0.00	0.00
Stevens Creek	PSC44	SV-MH-44	SV-JSE-3A	1170.29	1167.98	1099.99	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.24	65.83	-0.50	0.00
Stevens Creek	PSC45	SV-JSE-3A	SV-MH-43	1167.48	1165.56	800.00	4.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	6.06	96.34	0.00	0.00
Stevens Creek	PSC46	SV-MH-43	SV-MH-42	1165.56	1163.40	900.01	4.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	6.06	96.34	0.00	0.00
Stevens Creek	PSC47	SV-MH-42	SV-MH-41	1163.40	1161.12	950.00	4.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	6.06	96.34	0.00	0.00
Stevens Creek	PSC48	SV-MH-41	SV-MH-40	1161.12	1158.84	950.00	4.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	6.06	96.34	0.00	0.00
Stevens Creek	PSC49	SV-MH-40	SV-MH-39	1158.84	1156.68	900.00	4.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	6.06	96.34	0.00	0.00
Stevens Creek	PSC50	SV-MH-39	SV-MH-38	1156.68	1154.88	750.00	4.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	6.06	96.34	0.00	0.00
Stevens Creek	PSC51	SV-MH-38	SV-MH-37	1154.88	1153.08	750.00	4.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	6.06	96.34	0.00	0.00
Stevens Creek	PSC52	SV-MH-37	SV-MH-36	1153.08	1151.87	502.68	4.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	6.07	96.48	0.00	0.00
Stevens Creek	PSC53	SV-MH-36	SV-JSE-3B	1151.87	1149.78	870.00	4.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	6.06	96.38	-0.10	0.00
Stevens Creek	PSC54	SV-JSE-3B	SV-MH-35	1149.68	1148.13	646.89	4.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	6.05	96.26	0.00	0.00
Stevens Creek	PSC55	SV-MH-35	SV-MH-34	1148.13	1145.52	1087.23	4.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	6.06	96.35	0.00	0.00
Stevens Creek	PSC56	SV-MH-34	SV-MH-33	1145.52	1142.91	1087.22	4.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	6.06	96.35	0.00	0.00
Stevens Creek	PSC57	SV-MH-33	SV-MH-32	1142.91	1142.01	373.59	4.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	6.07	96.52	0.00	0.00
Stevens Creek	PSC58	SV-MH-32	SV-MH-31	1142.01	1141.56	185.61	4.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	6.09	96.83	0.00	0.00
Stevens Creek	PSC59	SV-MH-31	SV-MH-30	1141.56	1139.93	679.85	4.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	6.05	96.29	0.00	0.00
Stevens Creek	PSC60	SV-MH-30	SV-MH-29	1139.93	1138.30	679.84	4.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	6.05	96.29	0.00	0.00
Stevens Creek	PSC61	SV-MH-29	SV-MH-28	1138.30	1137.46	350.68	4.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	6.05	96.24	0.00	0.00
Stevens Creek	PSC62	SV-MH-28	SV-MH-27	1137.46	1134.81	1104.71	4.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	6.06	96.31	0.00	0.00
Stevens Creek	PSC63	SV-MH-27	SV-JSE-2	1134.81	1134.15	274.31	4.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	6.06	96.46	-0.49	0.00

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Stevens Creek	PSC64	SV-JSE-2	SV-MH-26	1133.66	1132.19	1130.12	5.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.78	93.93	0.00	0.00
Stevens Creek	PSC65	SV-MH-26	SV-MH-25	1132.19	1130.68	1164.14	5.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.78	93.80	0.00	0.00
Stevens Creek	PSC66	SV-MH-25	SV-MH-24	1130.68	1129.78	694.76	5.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.77	93.74	0.00	0.00
Stevens Creek	PSC67	SV-MH-24	SV-MH-23	1129.78	1128.88	694.25	5.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.78	93.77	0.00	0.00
Stevens Creek	PSC68	SV-MH-23	SV-MH-22	1128.88	1127.99	686.11	5.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.78	93.80	0.00	0.00
Stevens Creek	PSC69	SV-MH-22	SV-MH-21	1127.99	1127.10	686.11	5.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.78	93.80	0.00	0.00
Stevens Creek	PSC70	SV-MH-21	SV-MH-20	1127.10	1126.25	711.93	5.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.58	89.99	0.00	0.00
Stevens Creek	PSC71	SV-MH-20	SV-MH-19	1126.25	1125.40	711.93	5.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.58	89.99	0.00	0.00
Stevens Creek	PSC72	SV-MH-19	SV-MH-18	1125.40	1124.13	1061.82	5.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.59	90.07	0.00	0.00
Stevens Creek	PSC73	SV-MH-18	SV-MH-17	1124.13	1122.86	1061.83	5.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.59	90.07	0.00	0.00
Stevens Creek	PSC74	SV-MH-17	SV-MH-16	1122.86	1121.59	1061.83	5.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.59	90.07	0.00	0.00
Stevens Creek	PSC75	SV-MH-16	SV-MH-15	1121.59	1120.40	989.96	5.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.60	90.30	0.00	0.00
Stevens Creek	PSC76	SV-MH-15	SV-JSE-1	1120.40	1120.11	239.82	5.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.61	90.57	0.00	0.00
Stevens Creek	PSC77	SV-JSE-1	SV-MH-14	1120.11	1119.65	572.70	5.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.01	95.17	0.00	0.00
Stevens Creek	PSC78	SV-MH-14	SV-MH13	1119.65	1118.93	899.99	5.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.00	94.98	0.00	0.00
Stevens Creek	PSC79	SV-MH13	SV-MH-12	1118.93	1118.25	850.07	5.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.00	94.98	0.00	0.00
Stevens Creek	PSC80	SV-MH-12	SV-MH-11	1118.25	1117.45	997.69	5.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.00	95.09	0.00	0.00
Stevens Creek	PSC81	SV-MH-11	SV-MH-10	1117.45	1116.57	1100.00	5.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.00	94.98	0.00	0.00
Stevens Creek	PSC82	SV-MH-10	SV-MH-9	1116.57	1115.73	1050.01	5.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.00	94.98	0.00	0.00
Stevens Creek	PSC83	SV-MH-9	SV-MH-8	1115.73	1114.89	1050.00	5.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.00	94.98	0.00	0.00
Stevens Creek	PSC84	SV-MH-8	SV-E8-1	1114.89	1114.10	987.82	5.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.00	94.97	0.00	0.00
Stevens Creek	PSC86	SV-E8-2	D8-229	1113.81	1113.24	715.69	6.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.23	119.52	-0.40	0.00
Stevens Creek	PSC85	SV-E8-1	SV-E8-2	1114.10	1113.81	366.69	6.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.21	119.10	0.00	0.00
	L1501	D8-24	D8-25	1138.56	1138.45	86.19	1.75	0.00	0.00	0.00	3.07	7.18	0.53	-9E+99	2.35	5.66	1.65	0.94
	L1502	D8-25	D8-187	1138.45	1138.22	208.96	1.75	0.00	0.00	0.00	3.15	7.18	0.53	-9E+99	2.19	5.26	1.60	0.91
	L1503	D8-187	D7-403	1138.22	1138.02	200.02	1.75	0.00	0.00	0.00	3.55	7.18	0.53	-9E+99	2.08	5.01	1.42	0.81
	L1504	D7-403	C7-151	1138.02	1137.74	49.67	1.75	0.01	0.00	0.00	5.09	7.18	0.47	-9E+99	4.95	11.90	1.01	0.58
	L1507	N1474	A5-42	1142.42	1142.42	404.00	0.67	0.00	0.00	0.00	3.70	1.34	0.20	-9E+99	0.11	0.04	5.00	7.46
	Existing	N1475	C7-427	1137.00	1136.35	625.25	2.00	0.00	0.00	0.00	3.15	7.74	0.60	-9E+99	2.32	7.29	1.69	0.85
	Future	N1475	C7-427	1137.00	1135.35	625.25	3.00	0.00	0.00	0.00	5.11	17.28	0.79	-9E+99	4.85	34.26	1.69	0.56
	OAK-S1-1	N1477	B6-2942	1107.50	1121.50	220.51	2.50	-0.06	-2.94	-14.42	3.33	16.45	0.64	-9E+99	21.05	103.35	15.78	6.31
	OAK-S2-1	N1477	B6-2942	1107.50	1121.50	220.51	2.00	-0.06	-2.65	-8.55	2.92	9.49	0.51	-9E+99	18.14	57.00	15.78	7.89
	OAK-S3-1	N1477	B6-2942	1107.50	1121.50	220.50	2.50	-0.06	-2.94	-14.43	3.33	16.45	0.64	-9E+99	21.05	103.35	15.78	6.31
	L1516	N1478	N1479	1136.74	1136.74	179.00	0.67	0.00	-1.85	-0.68	5.28	2.26	0.20	-9E+99	0.11	0.04	26.13	39.18
	L1517	N1479	AA7-21	1136.74	1150.26	15.00	0.67	-0.90	-5.35	-2.22	5.50	2.25	0.17	-9E+99	32.88	11.49	21.67	32.49
	L1519	N1482	N1483	1136.89	1136.89	171.69	1.00	0.00	0.00	0.00	6.51	5.86	0.29	-9E+99	0.14	0.11	26.01	26.01
	L1520	N1483	AA7-22	1136.89	1149.76	15.00	1.00	-0.86	-6.49	-5.75	6.67	5.85	0.26	-9E+99	42.02	33.00	22.24	22.24

Table A2 - Manhole Existing Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface Elevation (ft)	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Stevens Creek	SV-E8-1	187370.68	225876.11	1137.75	1114.10	1114.10	0.00
Stevens Creek	SV-E8-2	187003.99	225876.11	1136.92	1113.81	1113.81	0.00
Stevens Creek	SV-JSE-1	190467.16	219034.45	1145.00	1120.11	1120.11	0.00
Stevens Creek	SV-JSE-2	195893.43	210635.58	1166.00	1133.66	1133.66	0.00
Stevens Creek	SV-JSE-3A	202381.80	200034.38	1189.00	1167.48	1167.48	0.00
Stevens Creek	SV-JSE-3B	198795.70	205055.05	1180.00	1149.68	1149.68	0.00
Stevens Creek	SV-JSE-4	204050.89	194749.62	1205.00	1181.22	1181.22	0.00
Stevens Creek	SV-JSE-5C	202006.94	177215.16	1273.00	1255.32	1255.32	0.00
Stevens Creek	SV-MH 82	201346.45	174117.02	1294.00	1271.87	1271.87	0.00
Stevens Creek	SV-MH-10	188572.19	223031.70	1137.00	1116.57	1116.57	0.00
Stevens Creek	SV-MH-11	189041.87	222037.01	1139.00	1117.45	1117.45	0.00
Stevens Creek	SV-MH-12	189467.86	221134.84	1140.00	1118.25	1118.25	0.00
Stevens Creek	SV-MH13	189830.82	220366.15	1141.00	1118.93	1118.93	0.00
Stevens Creek	SV-MH-14	190196.41	219552.32	1142.00	1119.65	1119.65	0.00
Stevens Creek	SV-MH-15	190562.02	218817.59	1147.00	1120.40	1120.40	0.00
Stevens Creek	SV-MH-16	191498.24	218495.86	1147.00	1121.59	1121.59	0.00
Stevens Creek	SV-MH-17	192198.18	217697.38	1147.00	1122.86	1122.86	0.00
Stevens Creek	SV-MH-18	192898.11	216898.89	1149.00	1124.13	1124.13	0.00
Stevens Creek	SV-MH-19	193598.04	216117.97	1152.00	1125.40	1125.40	0.00
Stevens Creek	SV-MH-20	193754.81	215430.34	1152.00	1126.25	1126.25	0.00
Stevens Creek	SV-MH-21	194208.49	214890.37	1156.00	1127.10	1127.10	0.00
Stevens Creek	SV-MH-22	194760.97	214483.53	1157.00	1127.99	1127.99	0.00
Stevens Creek	SV-MH-23	195313.45	214076.70	1158.00	1128.88	1128.88	0.00
Stevens Creek	SV-MH-24	195759.66	213551.55	1159.00	1129.78	1129.78	0.00
Stevens Creek	SV-MH-25	195923.96	212882.30	1160.00	1130.68	1130.68	0.00
Stevens Creek	SV-MH-26	195932.57	211718.19	1160.00	1132.19	1132.19	0.00
Stevens Creek	SV-MH-27	195942.95	210313.80	1165.00	1134.81	1134.81	0.00
Stevens Creek	SV-MH-28	196592.50	209420.23	1166.00	1137.46	1137.46	0.00
Stevens Creek	SV-MH-29	196649.60	209074.23	1169.00	1138.30	1138.30	0.00
Stevens Creek	SV-MH-30	196972.27	208475.84	1169.00	1139.93	1139.93	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface Elevation (ft)	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Stevens Creek	SV-MH-31	197294.94	207877.44	1172.00	1141.56	1141.56	0.00
Stevens Creek	SV-MH-32	197479.60	207858.67	1170.00	1142.01	1142.01	0.00
Stevens Creek	SV-MH-33	197580.10	207498.85	1170.00	1142.91	1142.91	0.00
Stevens Creek	SV-MH-34	198192.29	206600.37	1172.00	1145.52	1145.52	0.00
Stevens Creek	SV-MH-35	198804.48	205701.88	1174.00	1148.13	1148.13	0.00
Stevens Creek	SV-MH-36	199673.16	205043.24	1179.00	1151.87	1151.87	0.00
Stevens Creek	SV-MH-37	199798.46	204558.43	1179.00	1153.08	1153.08	0.00
Stevens Creek	SV-MH-38	199798.46	203808.43	1180.00	1154.88	1154.88	0.00
Stevens Creek	SV-MH-39	199798.46	203058.43	1190.00	1156.68	1156.68	0.00
Stevens Creek	SV-MH-40	200698.46	203058.43	1183.00	1158.84	1158.84	0.00
Stevens Creek	SV-MH-41	201314.46	202335.21	1184.00	1161.12	1161.12	0.00
Stevens Creek	SV-MH-42	201930.45	201611.99	1186.00	1163.40	1163.40	0.00
Stevens Creek	SV-MH-43	202383.59	200834.38	1190.00	1165.56	1165.56	0.00
Stevens Creek	SV-MH-44	202379.34	198934.39	1189.00	1170.29	1170.29	0.00
Stevens Creek	SV-MH-45	202376.88	197834.39	1195.00	1172.60	1172.60	0.00
Stevens Creek	SV-MH-46	202374.42	196734.39	1190.00	1174.91	1174.91	0.00
Stevens Creek	SV-MH-47	203172.03	196732.61	1199.00	1176.58	1176.58	0.00
Stevens Creek	SV-MH-48	203285.03	196039.37	1200.00	1178.06	1178.06	0.00
Stevens Creek	SV-MH-49	203667.96	195394.49	1202.00	1179.64	1179.64	0.00
Stevens Creek	SV-MH-50	204063.75	193699.69	1208.00	1182.77	1182.77	0.00
Stevens Creek	SV-MH-51	204235.17	193006.80	1209.00	1183.47	1183.47	0.00
Stevens Creek	SV-MH-52	204426.00	192333.31	1211.00	1184.17	1184.17	0.00
Stevens Creek	SV-MH-53	205366.45	192095.70	1211.00	1185.14	1185.14	0.00
Stevens Creek	SV-MH-54	205459.86	190999.67	1216.00	1188.39	1188.39	0.00
Stevens Creek	SV-MH-55	205552.01	189918.53	1220.00	1191.10	1191.10	0.00
Stevens Creek	SV-MH-56	205505.57	189205.10	1221.00	1192.89	1192.89	0.00
Stevens Creek	SV-MH-57	205446.98	188305.07	1225.00	1195.14	1195.14	0.00
Stevens Creek	SV-MH-58	205388.51	187406.97	1228.00	1197.39	1197.39	0.00
Stevens Creek	SV-MH-59	205727.82	187020.36	1236.00	1198.78	1198.78	0.00
Stevens Creek	SV-MH-60	205632.92	186610.27	1222.00	1199.93	1199.93	0.00
Stevens Creek	SV-MH-61	205595.23	186042.97	1233.00	1202.20	1202.20	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface Elevation (ft)	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Stevens Creek	SV-MH-62	205704.49	185034.68	1241.00	1206.26	1206.26	0.00
Stevens Creek	SV-MH-63	205817.60	183990.79	1244.00	1210.46	1210.46	0.00
Stevens Creek	SV-MH-64	205397.52	183138.72	1244.00	1214.36	1214.36	0.00
Stevens Creek	SV-MH-65	204347.53	183143.67	1261.00	1218.66	1218.66	0.00
Stevens Creek	SV-MH-66	203983.12	182801.32	1258.00	1224.66	1224.66	0.00
Stevens Creek	SV-MH-67	203918.12	182104.34	1256.00	1230.01	1230.01	0.00
Stevens Creek	SV-MH-68	203853.12	181407.37	1271.00	1235.26	1235.26	0.00
Stevens Creek	SV-MH-69	203797.40	180809.96	1272.00	1237.54	1237.54	0.00
Stevens Creek	SV-MH-70	203566.00	180256.38	1279.00	1239.92	1239.92	0.00
Stevens Creek	SV-MH-71	203334.59	179702.80	1264.00	1242.20	1242.20	0.00
Stevens Creek	SV-MH-72	203328.55	179352.85	1263.00	1243.63	1243.63	0.00
Stevens Creek	SV-MH-73	203320.87	178884.18	1265.00	1246.65	1246.65	0.00
Stevens Creek	SV-MH-74	203313.01	178452.98	1265.00	1248.38	1248.38	0.00
Stevens Creek	SV-MH-75	202892.19	178025.30	1271.00	1250.76	1250.76	0.00
Stevens Creek	SV-MH-76	202449.56	177620.23	1271.00	1253.04	1253.04	0.00
Stevens Creek	SV-MH-77	201984.81	176715.65	1274.00	1258.32	1258.32	0.00
Stevens Creek	SV-MH-78	201962.68	176216.14	1281.00	1260.82	1260.82	0.00
Stevens Creek	SV-MH-79	201940.55	175716.63	1289.00	1263.32	1263.32	0.00
Stevens Creek	SV-MH-8	187746.78	224976.94	1135.00	1114.89	1114.89	0.00
Stevens Creek	SV-MH-80	201913.99	175117.22	1289.00	1266.32	1266.32	0.00
Stevens Creek	SV-MH-81	201617.88	174595.38	1293.00	1269.42	1269.42	0.00
Stevens Creek	SV-MH-83	201075.01	173638.67	1296.00	1274.07	1274.07	0.00
Stevens Creek	SV-MH-84	200475.02	173641.09	1303.00	1281.52	1281.52	0.00
Stevens Creek	SV-MH-85	199925.02	173643.32	1316.00	1292.52	1292.52	0.00
Stevens Creek	SV-MH-9	188159.49	223997.20	1137.00	1115.73	1115.73	0.00
Oak Creek	A6-119	147098.71	214321.97	1152.99	1145.49	1145.49	0.00
Oak Creek	A6-120	147085.59	214771.86	1155.57	1147.07	1147.07	0.00
Oak Creek	A6-121	147088.10	215221.75	1156.54	1148.64	1148.64	0.00
Oak Creek	A6-122	147090.61	215671.64	1159.12	1150.22	1150.22	0.00
Oak Creek	A6-171	152275.94	210788.48	1147.82	1137.82	1138.09	0.00
Oak Creek	A6-188	154645.19	212078.09	1144.88	1133.79	1136.09	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface Elevation (ft)	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Oak Creek	A6-189	154150.75	211935.38	1146.22	1134.11	1136.39	0.00
Oak Creek	A6-190	153691.58	211807.66	1149.56	1134.36	1136.68	0.10
Oak Creek	A6-191	153295.69	211693.31	1147.13	1134.71	1136.92	0.00
Oak Creek	A6-192	152757.95	211580.40	1153.80	1134.98	1137.26	0.00
Oak Creek	A6-193	152364.37	211550.18	1155.95	1135.28	1137.50	0.00
Oak Creek	A6-194	151929.44	211348.66	1152.00	1136.24	1138.09	4.70
Oak Creek	A6-195	151446.36	211500.29	1151.79	1136.56	1138.55	0.00
Oak Creek	A6-196	150947.55	211680.68	1151.96	1137.17	1139.08	0.00
Oak Creek	A6-197	150448.86	211860.80	1152.97	1137.61	1139.54	1.00
Oak Creek	A6-198	149818.05	212089.20	1152.33	1138.15	1140.07	0.00
Oak Creek	A6-199	149199.62	212378.67	1152.38	1138.90	1140.70	0.00
Oak Creek	A6-200	148652.45	212621.03	1152.74	1139.37	1141.25	0.00
Oak Creek	A6-201	148082.82	212870.28	1157.13	1139.88	1141.76	0.00
Oak Creek	A6-202	147860.31	213259.70	1153.71	1140.22	1142.13	0.00
Oak Creek	A6-203	147647.84	213650.79	1154.13	1140.92	1142.61	0.00
Oak Creek	A6-204	147109.10	213924.40	1154.40	1141.29	1143.19	2.70
Oak Creek	A6-205	146788.43	214131.81	1153.97	1141.52	1143.43	0.00
Oak Creek	A6-206	146490.00	214231.67	1154.03	1141.23	1143.55	0.00
Oak Creek	A6-207	146170.14	214322.24	1153.87	1142.02	1143.72	0.00
Oak Creek	A6-208	145892.59	214516.68	1153.17	1142.17	1143.99	0.40
Oak Creek	A6-209	145790.14	214563.90	1154.28	1142.11	1144.05	0.60
Oak Creek	A6-210	145804.27	214594.96	1154.00	1145.00	1145.00	0.00
Oak Creek	A6-232	145244.47	214837.35	1158.41	1142.35	1144.34	0.00
Oak Creek	A6-233	144735.27	215036.31	1161.64	1142.68	1144.60	0.00
Oak Creek	A6-7	151944.37	211293.49	1147.00	1130.30	1138.09	0.00
Oak Creek	A6-92	145775.74	214609.36	1150.46	1144.46	1144.46	0.00
Oak Creek	A7-150	147096.95	216080.79	1161.95	1151.65	1151.65	0.00
Oak Creek	A7-151	147132.77	216121.55	1161.29	1151.69	1151.69	0.00
Oak Creek	A7-170	147136.95	216582.93	1171.00	1153.30	1153.30	0.00
Oak Creek	A7-171	147133.39	216351.03	1168.00	1151.99	1151.99	0.00
Oak Creek	A8-278	144669.56	226040.76	1197.32	1184.32	1184.59	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface Elevation (ft)	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Oak Creek	A8-279	144716.79	226453.67	1197.82	1184.82	1185.17	0.00
Oak Creek	A8-280	144829.52	226494.81	1198.04	1185.04	1185.35	0.00
Oak Creek	A9-113	144726.74	226880.60	1194.60	1185.60	1185.96	0.00
Oak Creek	A9-114	144666.46	227401.90	1195.23	1186.23	1186.57	0.40
Oak Creek	AA6-66	144296.46	215402.01	1161.22	1143.23	1144.97	0.00
Oak Creek	AA6-67	144003.57	215709.43	1152.88	1143.52	1145.27	0.00
Oak Creek	AA6-68	143265.54	215707.21	1155.43	1143.79	1145.92	0.00
Oak Creek	AA7-10	140904.00	217656.56	1164.01	1149.02	1153.33	0.00
Oak Creek	AA7-104	138722.53	218399.60	1164.68	1151.13	1159.50	0.00
Oak Creek	AA7-106	138002.33	218192.20	1163.83	1153.07	1164.40	0.00
Oak Creek	AA7-107	138003.40	218384.15	1165.06	1153.31	1164.60	0.00
Oak Creek	AA7-115	138724.84	218788.71	1164.60	1151.67	1160.12	0.00
Oak Creek	AA7-116	138004.66	218611.08	1164.84	1153.64	1164.84	0.00
Oak Creek	AA7-117	138005.73	218788.09	1164.99	1154.26	1165.04	0.00
Oak Creek	AA7-13	140644.06	217704.45	1164.61	1148.99	1153.95	0.00
Oak Creek	AA7-135	138006.90	218979.11	1164.69	1154.14	1165.27	0.00
Oak Creek	AA7-136	138007.78	219122.12	1164.21	1154.25	1165.44	0.00
Oak Creek	AA7-137	138008.54	219247.13	1163.73	1154.42	1165.61	0.00
Oak Creek	AA7-139	138735.97	219124.78	1165.53	1152.02	1160.64	0.00
Oak Creek	AA7-14	140070.39	217698.89	1164.35	1149.21	1155.29	0.00
Oak Creek	AA7-146	138738.30	219469.01	1165.50	1152.36	1161.17	0.00
Oak Creek	AA7-148	138009.87	219464.15	1165.40	1154.76	1165.96	0.00
Oak Creek	AA7-15	139828.37	217697.38	1164.19	1149.19	1155.85	0.00
Oak Creek	AA7-16	138970.78	217706.82	1164.54	1149.94	1157.81	0.00
Oak Creek	AA7-193	138749.73	219839.17	1165.96	1152.73	1161.74	0.00
Oak Creek	AA7-194	138010.96	219642.17	1164.98	1155.01	1166.27	0.00
Oak Creek	AA7-195	138012.37	219868.21	1165.65	1155.32	1166.70	0.00
Oak Creek	AA7-2	143206.17	216281.67	1156.11	1147.60	1148.59	0.00
Oak Creek	AA7-21	138709.73	217718.72	1164.40	1150.26	1158.41	0.70
Oak Creek	AA7-22	138712.01	217682.67	1164.35	1149.76	1159.13	0.00
Oak Creek	AA7-224	138752.95	220272.65	1166.53	1153.63	1165.60	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface Elevation (ft)	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Oak Creek	AA7-225	138019.73	220057.34	1166.62	1155.42	1167.07	0.00
Oak Creek	AA7-226	138021.28	220285.47	1166.28	1155.84	1167.52	5.80
Oak Creek	AA7-23	138595.05	217671.94	1163.81	1151.89	1163.14	2.30
Oak Creek	AA7-24	138601.05	217716.44	1163.32	1151.74	1163.18	0.00
Oak Creek	AA7-244	138785.36	220674.26	1167.83	1153.94	1168.99	0.90
Oak Creek	AA7-25	138294.07	217708.56	1163.83	1152.05	1163.58	0.00
Oak Creek	AA7-26	138016.78	217710.07	1164.08	1152.35	1163.94	0.60
Oak Creek	AA7-267	137816.32	217521.65	1167.36	1154.16	1163.98	0.00
Oak Creek	AA7-268	137440.09	217519.31	1168.56	1155.06	1163.98	0.00
Oak Creek	AA7-269	137039.65	217521.47	1168.51	1156.01	1163.99	0.00
Oak Creek	AA7-270	136789.38	217522.82	1174.10	1157.90	1163.99	0.00
Oak Creek	AA7-271	136544.71	217524.14	1176.26	1159.26	1164.00	1.60
Oak Creek	AA7-272	136331.29	217508.87	1176.20	1160.70	1164.00	0.00
Oak Creek	AA7-273	136019.54	217405.14	1176.36	1162.06	1164.00	0.00
Oak Creek	AA7-274	135692.75	217332.99	1179.44	1163.44	1164.01	0.00
Oak Creek	AA7-275	135512.02	217156.08	1180.51	1164.51	1164.76	0.00
Oak Creek	AA7-276	135269.21	217023.57	1179.26	1165.26	1165.56	0.00
Oak Creek	AA7-277	134993.25	216875.94	1187.08	1166.08	1166.36	0.00
Oak Creek	AA7-278	134713.65	216999.76	1185.56	1166.86	1167.14	0.00
Oak Creek	AA7-279	134499.01	217077.83	1182.07	1167.57	1167.85	0.00
Oak Creek	AA7-298	143274.20	216236.56	1158.85	1146.68	1147.84	0.00
Oak Creek	AA7-299	138788.85	220705.86	1167.62	1154.10	1169.28	0.00
Oak Creek	AA7-3	142804.76	216544.64	1162.98	1147.83	1149.88	0.00
Oak Creek	AA7-300	138801.07	220734.99	1167.98	1156.70	1169.34	0.00
Oak Creek	AA7-301	138805.06	221294.34	1168.37	1156.92	1169.46	0.00
Oak Creek	AA7-303	138435.52	217130.90	1162.85	1152.80	1163.14	0.00
Oak Creek	AA7-4	142700.33	216550.22	1164.95	1148.20	1150.01	0.00
Oak Creek	AA7-5	141933.67	217018.96	1164.48	1148.58	1151.20	0.00
Oak Creek	AA7-6	141266.87	217457.77	1163.50	1149.49	1152.27	0.00
Oak Creek	AA7-7	141177.61	217583.11	1165.29	1148.91	1152.63	0.00
Oak Creek	AA7-9	141065.38	217619.85	1164.58	1148.94	1152.91	0.00

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		X-Coord	Y-Coord				
Oak Creek	AA7-91	138001.22	217991.27	1165.45	1152.76	1164.21	0.00
Oak Creek	AA7-93	138720.04	217999.49	1164.53	1150.75	1158.88	0.00
Oak Creek	AA8-154	138808.78	221803.46	1169.34	1157.06	1169.57	0.00
Oak Creek	AA8-155	138815.01	222484.28	1169.79	1157.70	1169.74	0.00
Oak Creek	AA8-156	138824.21	222803.60	1169.87	1157.86	1169.83	0.00
Oak Creek	AA8-157	138826.78	223251.61	1169.50	1158.21	1169.95	0.00
Oak Creek	AA8-158	138834.96	223481.56	1171.76	1158.58	1170.01	1.10
Oak Creek	AA8-159	139148.23	223763.67	1169.50	1158.75	1170.10	0.00
Oak Creek	AA8-160	139153.58	224348.10	1170.30	1159.25	1170.23	0.00
Oak Creek	AA8-161	139141.09	224927.48	1171.00	1159.66	1170.35	0.00
Oak Creek	AA8-162	139146.79	225520.86	1172.40	1160.16	1170.48	0.00
Oak Creek	AA8-163	139513.84	225516.56	1172.50	1160.41	1170.56	0.00
Oak Creek	AA8-164	139857.96	225502.95	1171.30	1160.65	1170.64	2.10
Oak Creek	AA8-165	140348.98	225806.43	1171.70	1161.15	1170.71	0.40
Oak Creek	AA8-166	140545.42	225802.84	1172.50	1161.28	1170.72	0.00
Oak Creek	AA8-167	140953.75	225706.84	1182.58	1169.32	1171.34	0.00
Oak Creek	AA8-168	141549.19	225654.63	1198.70	1179.97	1180.48	0.00
Oak Creek	AA8-169	142016.71	225646.65	1196.00	1180.47	1181.50	0.00
Oak Creek	AA8-170	142555.61	225865.47	1192.30	1181.12	1182.17	0.00
Oak Creek	AA8-171	143004.35	225894.20	1195.70	1181.60	1182.65	0.90
Oak Creek	AA8-172	143458.85	225925.12	1197.00	1182.10	1183.05	0.00
Oak Creek	AA8-173	143941.14	225820.31	1191.60	1182.65	1183.57	0.00
Oak Creek	AA8-174	144461.04	225784.50	1194.30	1183.33	1184.21	2.80
Oak Creek	AA8-175	141287.07	225677.27	1184.60	1174.99	1175.55	0.00
Oak Creek	AA8-176	141341.61	225639.38	1190.90	1176.44	1176.96	0.00
Oak Creek	BB7-1	134130.61	217046.02	1182.50	1168.75	1169.02	0.00
Oak Creek	BB7-10	131955.18	218331.19	1208.00	1191.89	1192.18	0.00
Oak Creek	BB7-11	131601.82	218437.40	1204.25	1193.00	1193.29	0.50
Oak Creek	BB7-2	133912.14	217205.02	1183.50	1172.35	1172.55	0.00
Oak Creek	BB7-27	133782.82	217299.15	1183.22	1173.22	1173.49	0.00
Oak Creek	BB7-3	133693.67	217364.03	1188.50	1176.02	1176.19	0.00

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		X-Coord	Y-Coord				
Oak Creek	BB7-4	133477.66	217521.25	1191.50	1180.00	1180.20	0.00
Oak Creek	BB7-5	133296.38	217653.18	1200.00	1184.00	1184.19	0.00
Oak Creek	BB7-6	133113.80	217786.28	1203.00	1188.00	1188.19	0.00
Oak Creek	BB7-7	132883.76	217954.11	1206.00	1188.85	1189.17	0.00
Oak Creek	BB7-8	132655.26	218120.78	1206.75	1189.70	1189.99	0.00
Oak Creek	BB7-9	132309.06	218224.83	1207.00	1190.79	1191.08	0.00
Oak Creek	LIFTSTA	152251.89	210824.16	1146.00	1137.72	1138.09	0.00
Middle & West O	A4-13	149682.95	200954.85	1149.93	1138.03	1148.88	0.00
Middle & West O	A4-134	146209.02	204068.45	1151.25	1140.20	1141.56	0.00
Middle & West O	A4-135	145792.49	204014.32	1156.30	1140.66	1141.75	0.00
Middle & West O	A4-136	145371.74	203959.91	1157.00	1141.12	1142.10	0.00
Middle & West O	A4-137	144864.93	203893.78	1159.00	1141.68	1142.65	0.00
Middle & West O	A4-14	149663.33	201443.10	1150.66	1137.06	1148.23	0.00
Middle & West O	A4-15	150100.58	201431.94	1150.63	1136.13	1147.68	0.00
Middle & West O	A4-16	150644.04	201429.45	1149.93	1135.23	1147.01	0.00
Middle & West O	A4-164	149685.98	200554.62	1150.43	1138.83	1149.42	0.00
Middle & West O	A4-17	151222.22	201426.59	1150.98	1134.08	1146.24	0.00
Middle & West O	A4-18	151797.06	201423.20	1150.43	1132.93	1145.48	0.00
Middle & West O	A4-19	152343.58	201420.95	1150.14	1131.84	1144.75	0.00
Middle & West O	A4-20	152409.98	201376.73	1150.18	1131.68	1144.65	0.00
Middle & West O	A4-206	153076.08	201380.38	1162.75	1142.75	1158.28	0.00
Middle & West O	A4-21	153001.21	201376.92	1151.00	1131.00	1143.87	0.00
Middle & West O	A4-41	154149.65	201388.42	1149.40	1142.70	1143.63	0.00
Middle & West O	A4-42	154599.05	201388.34	1151.69	1141.49	1142.44	0.00
Middle & West O	A4-43	154806.49	201315.73	1148.34	1140.94	1141.94	0.00
Middle & West O	A4-65	154106.18	205063.04	1147.00	1126.99	1136.12	0.00
Middle & West O	A4-66	154046.74	204687.12	1142.00	1127.88	1141.17	0.00
Middle & West O	A4-67	153546.43	204701.25	1143.00	1128.68	1141.19	0.00
Middle & West O	A4-68	153110.68	204713.56	1141.00	1129.38	1141.21	0.00
Middle & West O	A4-69	152780.90	204722.91	1142.00	1129.91	1141.22	0.00
Middle & West O	A4-70	152247.34	204738.03	1143.00	1130.76	1141.24	0.00

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Middle & West O	A4-71	151854.52	204749.16	1148.50	1131.39	1141.26	0.00
Middle & West O	A4-72	151351.84	204915.38	1145.50	1132.24	1141.28	0.00
Middle & West O	A4-73	150866.02	204679.89	1145.50	1133.10	1141.30	0.00
Middle & West O	A4-74	150295.89	204613.60	1146.50	1134.02	1141.32	0.00
Middle & West O	A4-75	149759.49	204550.55	1148.00	1134.88	1141.34	0.00
Middle & West O	A4-76	149261.70	204484.04	1148.20	1135.70	1141.36	0.00
Middle & West O	A4-77	148722.96	204416.36	1149.50	1136.50	1141.38	0.00
Middle & West O	A4-78	148207.07	204345.91	1145.80	1137.30	1141.40	0.00
Middle & West O	A4-79	147713.89	204279.09	1146.10	1138.10	1141.42	0.00
Middle & West O	A4-80	147218.09	204215.26	1144.00	1138.90	1141.44	0.00
Middle & West O	A4-81	146623.58	204122.31	1154.35	1139.85	1141.48	0.00
Middle & West O	A4-82	149687.79	200150.63	1156.70	1139.70	1149.97	6.00
Middle & West O	A5-129	154174.26	205397.08	1145.98	1126.18	1131.51	0.00
Middle & West O	A5-141	154239.47	205748.42	1147.52	1125.42	1126.95	0.00
Middle & West O	A5-42	154603.23	205841.46	1147.42	1142.42	1143.01	0.00
Middle & West O	A5-43	154655.24	205801.59	1147.33	1142.23	1142.82	0.00
Middle & West O	AA4-17	139218.51	203630.99	1162.28	1147.28	1148.16	5.00
Middle & West O	AA4-18	139455.97	203647.83	1162.08	1147.08	1148.13	0.00
Middle & West O	AA4-20	139878.96	203677.09	1161.74	1146.74	1147.80	0.00
Middle & West O	AA4-21	139978.99	204032.74	1161.44	1146.44	1147.49	0.00
Middle & West O	AA4-22	140089.75	204426.54	1159.11	1146.11	1147.16	0.00
Middle & West O	AA4-23	140763.32	204616.01	1160.55	1145.55	1146.61	0.00
Middle & West O	AA4-24	141246.76	204372.70	1160.55	1145.12	1146.17	0.00
Middle & West O	AA4-25	141539.07	204209.50	1159.86	1144.86	1145.91	0.00
Middle & West O	AA4-26	141750.90	203931.42	1159.55	1144.55	1145.61	0.00
Middle & West O	AA4-27	141749.78	203731.86	1159.39	1144.39	1145.45	0.00
Middle & West O	AA4-28	142413.49	203774.34	1158.89	1143.89	1144.95	0.00
Middle & West O	AA4-29	143034.20	203836.16	1158.36	1143.36	1144.46	0.00
Middle & West O	AA4-3	144350.09	203817.37	1157.23	1142.23	1143.20	0.00
Middle & West O	AA4-30	143239.79	203849.27	1158.20	1143.20	1144.32	0.00
Middle & West O	AA4-31	143888.37	203892.20	1157.84	1142.84	1143.81	0.00

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		X-Coord	Y-Coord				
Middle & West O	AA4-32	144331.01	203936.94	1157.34	1142.34	1143.31	0.00
Middle & West O	AA4-33	144323.68	203816.37	1157.26	1142.26	1143.21	0.00
Middle & West O	B5-52	155124.19	205799.10	1147.40	1140.30	1140.94	0.00
Middle & West O	B5-54	155544.04	205813.61	1147.07	1139.07	1139.61	0.00
Middle & West O	B5-56	155957.95	205813.10	1147.20	1137.10	1137.70	0.00
Middle & West O	B5-615	156320.50	205820.86	1144.78	1134.78	1134.94	0.00
Middle & West O	LSTA	153051.39	201377.49	1153.39	1135.00	1140.43	0.00
Middle & West O	LSTA2	154229.78	205841.82	1147.42	1118.00	1121.19	0.00
Lynn Creek	A8-10	154337.75	223685.10	1200.84	1187.84	1188.53	0.00
Lynn Creek	A8-11	154162.66	224079.50	1203.16	1190.66	1191.59	0.00
Lynn Creek	A8-13	153983.45	224481.78	1204.22	1193.02	1193.95	0.00
Lynn Creek	A8-140	154603.91	223372.93	1193.95	1183.45	1184.26	0.00
Lynn Creek	A8-159	154460.67	223539.18	1200.27	1185.24	1186.06	0.00
Lynn Creek	A8-16	153804.91	224885.36	1206.63	1195.33	1195.92	0.00
Lynn Creek	A8-17	153699.10	225123.71	1213.44	1196.44	1197.03	2.26
Lynn Creek	A8-2	155062.05	222383.55	1189.64	1175.04	1176.11	0.00
Lynn Creek	A8-5	155061.42	222713.45	1189.21	1177.01	1177.82	0.00
Lynn Creek	A8-6	155060.94	223032.34	1189.88	1178.38	1179.30	0.00
Lynn Creek	A8-7	154795.91	223111.00	1190.30	1179.60	1180.49	0.00
Lynn Creek	A8-8	154584.11	223173.75	1191.74	1181.74	1182.51	0.00
Lynn Creek	A8-86	153903.13	224677.87	1206.82	1194.22	1195.10	3.14
Lynn Creek	B7-331	157999.26	216520.53	1153.14	1138.84	1139.82	0.00
Lynn Creek	B7-332	157816.94	217022.87	1154.00	1141.00	1142.06	1.09
Lynn Creek	B7-333	157544.29	217179.19	1156.49	1142.29	1143.26	0.00
Lynn Creek	B7-334	157275.49	217247.03	1156.57	1144.57	1145.37	0.00
Lynn Creek	B7-335	157175.49	217751.75	1170.20	1147.59	1148.49	0.00
Lynn Creek	B7-336	157078.28	218242.28	1160.80	1151.00	1151.84	0.00
Lynn Creek	B7-337	157000.26	218706.62	1163.86	1153.46	1154.38	2.49
Lynn Creek	B7-338	156891.50	218988.47	1165.80	1155.40	1156.20	0.00
Lynn Creek	B7-339	156711.76	219458.39	1167.80	1159.80	1160.51	0.00
Lynn Creek	B7-340	156547.62	219930.79	1176.97	1162.57	1163.42	0.00

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		X-Coord	Y-Coord				
Lynn Creek	B7-341	156385.14	220395.31	1179.97	1163.07	1164.36	0.00
Lynn Creek	B7-342	156261.04	220797.40	1188.00	1171.00	1171.79	0.00
Lynn Creek	B7-343	156083.34	221210.39	1187.97	1171.57	1172.92	0.40
Lynn Creek	B7-435	156352.02	220500.33	1182.60	1167.60	1168.09	0.00
Lynn Creek	B8-67	155947.30	221508.31	1182.80	1172.00	1173.35	0.00
Lynn Creek	B8-68	155733.24	221962.27	1185.52	1173.12	1174.27	0.00
Lynn Creek	B8-69	155389.11	222334.97	1189.25	1174.25	1175.36	0.00
Little Salt	B9-14	163118.17	228592.15	1166.82	1156.46	1157.08	0.00
Little Salt	B9-15	163357.90	228225.63	1163.65	1153.83	1154.46	0.00
Little Salt	B9-16	163870.48	227825.93	1162.60	1150.17	1150.80	0.00
Little Salt	B9-17	164271.58	227513.16	1165.88	1147.31	1147.98	0.00
Little Salt	B9-18	164686.48	227501.88	1163.07	1145.00	1145.54	0.00
Little Salt	B9-19	165039.04	227510.37	1159.82	1141.45	1142.00	0.00
Little Salt	B9-20	165415.32	227491.23	1156.53	1137.95	1138.48	0.00
Little Salt	B9-21	165474.31	227336.60	1152.04	1136.06	1136.63	0.00
Little Salt	B9-22	165556.67	227113.53	1153.19	1134.14	1134.72	0.00
Little Salt	B9-39	165773.02	226992.28	1154.75	1132.26	1132.95	0.00
Little Salt	B9-52	165235.72	227491.88	1158.00	1139.74	1140.29	0.00
Little Salt	B9-68	162112.60	229419.36	1186.02	1169.02	1169.70	0.00
Little Salt	B9-69	162448.07	229052.48	1175.99	1164.99	1165.68	0.00
Little Salt	B9-70	162787.97	228820.43	1176.35	1161.35	1161.96	0.00
Little Salt	B9-71	161614.14	229153.16	1192.17	1174.17	1174.83	0.00
Little Salt	B9-72	161279.86	229081.79	1193.83	1182.83	1183.33	0.00
Little Salt	B9-73	160879.83	229073.10	1197.99	1183.99	1185.00	0.00
Little Salt	B9-74	160373.49	229091.47	1197.55	1185.45	1186.39	3.99
Little Salt	C-11	167200.32	218802.95	1145.00	1122.00	1122.90	0.00
Little Salt	C6-101	173930.71	212561.58	1163.82	1150.82	1152.45	3.23
Little Salt	C6-105	174281.70	212521.31	1163.66	1151.76	1153.50	0.00
Little Salt	C6-107	173502.01	212558.52	1161.23	1149.33	1151.00	0.00
Little Salt	C6-126	173481.40	213277.80	1160.70	1146.20	1147.88	0.00
Little Salt	C6-127	173169.32	213278.73	1157.61	1144.83	1146.49	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface Elevation (ft)	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	C6-131	172814.35	213279.24	1156.54	1143.24	1144.92	0.00
Little Salt	C6-132	172448.77	213279.76	1155.87	1141.67	1143.35	0.00
Little Salt	C6-134	172102.79	213271.02	1155.27	1140.17	1141.85	0.00
Little Salt	C6-169	166133.93	213927.38	1143.50	1127.00	1128.32	0.00
Little Salt	C6-171	166245.74	213765.01	1143.76	1127.26	1128.48	0.00
Little Salt	C6-172	166393.81	213856.09	1143.69	1127.55	1128.71	0.87
Little Salt	C6-175	167102.06	213969.41	1143.36	1128.46	1129.51	0.00
Little Salt	C6-177	167424.88	213973.01	1144.85	1128.85	1129.95	0.00
Little Salt	C6-180	167846.70	213974.21	1144.86	1129.36	1130.34	0.00
Little Salt	C6-181	168226.71	213972.63	1146.52	1129.82	1130.82	0.85
Little Salt	C6-184	168569.86	213977.51	1147.38	1130.38	1131.05	0.00
Little Salt	C6-186	168765.89	213916.85	1148.03	1130.53	1131.18	0.00
Little Salt	C6-187	168866.30	213917.14	1147.40	1131.40	1131.73	0.00
Little Salt	C6-188	168968.30	213977.24	1146.31	1131.61	1131.95	0.75
Little Salt	C6-189	169227.49	213977.98	1145.25	1131.05	1131.95	0.00
Little Salt	C6-190	169586.02	213979.00	1146.53	1132.33	1132.33	0.00
Little Salt	C6-191	169945.55	213980.02	1146.17	1132.77	1132.77	0.00
Little Salt	C6-192	170306.81	213980.03	1147.79	1133.24	1133.24	0.00
Little Salt	C6-193	170673.92	213985.64	1149.39	1133.69	1133.69	0.00
Little Salt	C6-194	171047.08	213988.64	1153.25	1134.15	1135.93	0.00
Little Salt	C6-195	171431.63	213994.02	1151.66	1135.62	1137.14	1.76
Little Salt	C6-197	172125.61	213969.00	1152.88	1136.88	1138.91	0.60
Little Salt	C6-199	172126.22	213589.51	1154.52	1138.82	1140.45	0.00
Little Salt	C6-230	171415.74	214148.93	1152.54	1135.88	1137.14	0.00
Little Salt	C6-242	166396.00	214143.45	1143.04	1131.46	1132.78	0.00
Little Salt	C6-244	165902.87	214302.12	1142.12	1127.42	1128.79	0.00
Little Salt	C6-245	166055.61	214673.65	1141.96	1127.96	1129.56	0.00
Little Salt	C6-246	166204.35	215045.18	1141.02	1128.52	1130.16	0.00
Little Salt	C6-251	166509.84	215788.24	1141.62	1129.62	1131.29	1.29
Little Salt	C6-252	166355.45	215404.72	1143.38	1129.08	1130.73	0.00
Little Salt	C6-262	171404.52	214883.79	1149.90	1136.96	1137.14	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface Elevation (ft)	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	C6-294	168692.23	213933.78	1148.08	1130.58	1131.17	1.00
Little Salt	C6-302	168303.40	213972.82	1143.05	1130.05	1130.88	3.00
Little Salt	C6-313	171403.93	215240.25	1149.80	1137.49	1137.49	0.00
Little Salt	C6-334	171403.40	215558.09	1148.41	1137.95	1137.95	0.00
Little Salt	C6-349	165752.60	213933.82	1140.73	1126.03	1128.12	1.52
Little Salt	C6-351	175812.91	211068.06	1172.28	1156.28	1158.15	0.00
Little Salt	C6-352	171405.12	214519.78	1150.76	1136.44	1137.14	0.00
Little Salt	C6-375	171403.03	215406.81	1148.90	1137.70	1137.70	0.00
Little Salt	C6-388	171757.26	213968.77	1151.47	1135.97	1138.12	0.00
Little Salt	C6-393	166574.29	213967.90	1143.67	1127.77	1128.87	0.00
Little Salt	C6-399	171042.68	214349.24	1150.00	1133.20	1135.20	0.00
Little Salt	C6-400	171053.64	214699.92	1149.50	1132.70	1134.65	0.00
Little Salt	C6-406	171053.06	215051.14	1148.64	1132.04	1134.09	0.00
Little Salt	C6-407	171062.34	215484.36	1146.60	1131.60	1133.22	0.00
Little Salt	C6-431	165691.68	214137.78	1143.89	1131.05	1132.66	0.00
Little Salt	C6-432	165674.64	214137.03	1143.89	1131.05	1132.65	0.00
Little Salt	C6-448	170964.87	215931.57	1148.92	1129.92	1132.07	0.00
Little Salt	C6-449	171028.97	215931.64	1148.53	1130.03	1132.15	0.00
Little Salt	C6-450	171061.65	215901.69	1148.13	1130.13	1132.20	0.00
Little Salt	C6-452	171402.36	215888.92	1150.42	1138.42	1138.42	0.00
Little Salt	C6-480	176067.34	210808.72	1170.67	1156.72	1158.83	0.00
Little Salt	C6-49	175432.23	211441.64	1170.19	1155.19	1157.08	0.00
Little Salt	C6-492	167324.37	213972.72	1143.95	1128.75	1129.87	0.59
Little Salt	C6-495	166585.83	215813.28	1147.75	1132.75	1133.95	0.00
Little Salt	C6-496	166477.78	215573.27	1147.75	1132.43	1133.68	0.00
Little Salt	C6-497	166268.92	214977.67	1146.68	1131.68	1133.16	0.00
Little Salt	C6-498	166104.87	214581.10	1146.36	1131.36	1132.95	0.00
Little Salt	C6-499	165929.85	214133.65	1146.00	1131.00	1132.78	0.00
Little Salt	C6-500	165849.91	213928.80	1141.50	1126.50	1128.12	0.00
Little Salt	C6-56	175175.69	211694.33	1169.04	1154.44	1156.30	0.00
Little Salt	C6-89	174895.02	211972.05	1168.90	1153.70	1155.54	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface Elevation (ft)	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	C6-95	174651.51	212244.05	1165.68	1152.95	1154.72	1.11
Little Salt	C7-151	176186.11	221101.72	1150.84	1137.74	1138.75	0.00
Little Salt	C7-152	176035.31	221185.39	1150.50	1137.40	1138.63	0.00
Little Salt	C7-155	175694.09	221212.79	1149.23	1136.73	1137.97	0.00
Little Salt	C7-158	175393.76	221198.82	1146.56	1136.06	1137.30	0.00
Little Salt	C7-159	175110.18	221206.07	1144.58	1135.38	1136.60	0.00
Little Salt	C7-162	174299.70	221168.36	1142.47	1133.15	1133.61	0.50
Little Salt	C7-164	174228.24	220904.54	1141.65	1133.15	1133.47	0.00
Little Salt	C7-165	174193.59	220776.62	1141.86	1132.96	1133.30	0.00
Little Salt	C7-166	173868.82	220553.30	1142.29	1132.49	1132.79	0.00
Little Salt	C7-167	173575.64	220388.18	1144.42	1131.92	1132.20	0.00
Little Salt	C7-170	173358.98	220185.75	1143.32	1131.32	1131.68	0.00
Little Salt	C7-175	173140.45	219928.06	1144.50	1130.67	1131.34	0.00
Little Salt	C7-176	171343.07	218960.04	1136.10	1128.10	1128.76	0.00
Little Salt	C7-182	172853.06	219625.62	1141.36	1130.00	1130.77	0.00
Little Salt	C7-183	172695.61	219462.75	1142.74	1129.64	1130.57	0.00
Little Salt	C7-184	172451.38	219196.63	1145.91	1129.61	1130.33	0.00
Little Salt	C7-185	172234.00	218954.74	1148.36	1129.18	1129.91	0.00
Little Salt	C7-194	171883.30	218958.04	1145.93	1128.73	1129.46	0.00
Little Salt	C7-231	166692.94	216247.36	1145.00	1130.13	1131.83	0.00
Little Salt	C7-232	171546.11	218959.15	1138.28	1128.28	1129.04	0.00
Little Salt	C7-233	171194.49	218960.60	1238.73	1127.83	1128.32	0.00
Little Salt	C7-255	171402.11	215922.32	1150.77	1138.47	1138.47	0.00
Little Salt	C7-276	170914.74	218421.46	1139.21	1126.21	1128.32	0.00
Little Salt	C7-281	173058.05	219857.33	1144.81	1130.45	1131.17	0.00
Little Salt	C7-29	171402.11	216258.80	1153.36	1138.96	1138.96	0.00
Little Salt	C7-30	171403.96	216626.70	1150.19	1139.49	1139.49	0.00
Little Salt	C7-303	165759.58	218071.83	1144.43	1129.03	1129.91	2.20
Little Salt	C7-304	166014.88	218343.97	1141.83	1128.63	1129.40	0.00
Little Salt	C7-305	166269.08	218549.91	1141.00	1128.10	1128.89	0.00
Little Salt	C7-306	166558.51	218672.01	1142.53	1127.63	1128.42	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface Elevation (ft)	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	C7-307	166927.06	218823.52	1143.03	1127.03	1127.82	0.00
Little Salt	C7-308	167207.78	218928.13	1141.58	1126.58	1127.05	0.00
Little Salt	C7-309	167337.03	218930.60	1141.97	1124.57	1126.72	0.66
Little Salt	C7-310	167461.13	219381.52	1142.04	1124.74	1126.89	0.00
Little Salt	C7-311	167553.86	219821.88	1142.02	1124.92	1127.05	0.00
Little Salt	C7-312	167656.88	220311.18	1142.02	1125.12	1127.23	0.00
Little Salt	C7-313	167759.93	220800.48	1142.02	1125.32	1127.41	0.00
Little Salt	C7-314	167835.11	221157.38	1141.97	1125.47	1127.55	0.00
Little Salt	C7-316	173213.03	220011.25	1144.09	1130.89	1131.54	2.19
Little Salt	C7-33	171588.84	216626.70	1149.60	1140.20	1140.20	0.00
Little Salt	C7-338	166820.82	216627.97	1139.06	1130.56	1132.72	0.00
Little Salt	C7-339	166940.20	217008.72	1139.04	1131.04	1133.68	0.00
Little Salt	C7-340	167075.27	217435.64	1139.38	1131.58	1134.71	0.00
Little Salt	C7-341	167149.18	217777.97	1137.80	1132.00	1135.53	0.00
Little Salt	C7-343	167301.07	218851.97	1143.04	1125.54	1126.65	0.00
Little Salt	C7-375	170928.34	221187.60	1138.00	1122.98	1125.35	0.00
Little Salt	C7-376	170926.98	220749.52	1137.52	1123.22	1125.62	0.00
Little Salt	C7-377	170924.72	220314.47	1138.48	1123.48	1125.88	0.00
Little Salt	C7-378	170922.41	219894.77	1140.45	1124.55	1126.45	0.00
Little Salt	C7-379	170920.05	219439.72	1139.34	1125.14	1127.16	0.00
Little Salt	C7-380	170917.67	218981.67	1139.73	1125.73	1127.78	0.00
Little Salt	C7-381	170915.87	218634.63	1140.04	1126.04	1128.13	0.00
Little Salt	C7-382	170913.92	218289.89	1139.85	1126.35	1128.47	0.00
Little Salt	C7-383	170911.92	217907.43	1143.20	1126.70	1128.83	0.00
Little Salt	C7-384	171334.82	217310.33	1144.72	1128.55	1130.02	0.00
Little Salt	C7-385	171337.57	217250.20	1144.79	1128.60	1130.22	0.00
Little Salt	C7-386	170949.25	216930.60	1146.23	1128.98	1130.99	0.00
Little Salt	C7-387	170941.92	216823.45	1147.01	1129.09	1131.11	0.29
Little Salt	C7-390	170920.25	216282.58	1150.69	1129.69	1131.68	0.00
Little Salt	C7-391	170920.92	216007.64	1146.22	1129.90	1131.98	0.00
Little Salt	C7-395	170921.71	216559.47	1148.65	1129.32	1131.39	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface Elevation (ft)	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	C7-396	171113.34	217624.95	1147.21	1127.01	1129.15	0.00
Little Salt	C7-398	174888.84	221208.99	1143.71	1134.71	1135.69	0.00
Little Salt	C7-427	167250.87	218184.55	1148.35	1135.35	1136.66	0.00
Little Salt	C7-428	167206.30	217808.56	1147.96	1134.96	1136.20	0.00
Little Salt	C7-429	167107.70	217398.15	1145.52	1134.52	1135.73	0.00
Little Salt	C7-430	166919.11	216683.14	1143.72	1133.72	1134.94	0.00
Little Salt	C7-431	166665.45	216018.56	1147.96	1132.96	1134.25	0.00
Little Salt	C8-10	168533.72	224446.19	1151.99	1129.09	1130.63	0.00
Little Salt	C8-102	175004.67	222306.42	1144.50	1130.50	1131.24	0.00
Little Salt	C8-11	168594.52	224870.86	1143.00	1129.30	1130.91	0.00
Little Salt	C8-115	168428.50	223897.55	1149.69	1128.69	1130.22	0.00
Little Salt	C8-12	168647.33	225252.53	1141.05	1129.65	1131.19	0.00
Little Salt	C8-122	168111.21	222471.36	1141.69	1127.69	1129.22	2.22
Little Salt	C8-13	168304.67	225521.48	1140.98	1129.88	1131.48	0.00
Little Salt	C8-14	167958.93	225809.52	1141.02	1130.12	1131.75	0.00
Little Salt	C8-15	167594.83	226088.40	1140.95	1130.35	1132.01	0.00
Little Salt	C8-16	167226.03	226407.89	1142.32	1130.52	1132.26	0.00
Little Salt	C8-20	176240.27	225876.30	1137.77	1116.57	1118.92	0.00
Little Salt	C8-21	176215.35	225385.86	1137.67	1116.87	1119.32	0.00
Little Salt	C8-22	176226.22	224895.91	1140.96	1117.16	1119.67	0.00
Little Salt	C8-23	176219.20	224405.96	1137.05	1117.45	1120.00	0.00
Little Salt	C8-24	176212.23	223920.14	1139.74	1117.74	1120.31	0.00
Little Salt	C8-25	176150.51	223862.43	1139.49	1117.79	1120.37	0.00
Little Salt	C8-26	175683.85	223871.87	1137.62	1118.02	1120.61	0.00
Little Salt	C8-27	175397.31	223878.61	1138.65	1118.25	1120.84	0.00
Little Salt	C8-28	175031.54	223892.40	1141.48	1118.48	1121.08	0.00
Little Salt	C8-29	174579.49	223879.90	1142.84	1119.24	1121.37	0.00
Little Salt	C8-30	174139.50	223883.19	1136.51	1119.51	1121.74	0.00
Little Salt	C8-31	173609.87	223883.05	1136.97	1119.77	1122.06	0.00
Little Salt	C8-32	173109.79	223886.71	1135.97	1120.07	1122.40	0.00
Little Salt	C8-33	172634.64	223890.18	1136.96	1120.36	1122.71	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface Elevation (ft)	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	C8-34	172164.98	223893.61	1133.44	1120.64	1123.01	0.00
Little Salt	C8-35	172103.67	223827.11	1135.99	1120.69	1123.07	0.00
Little Salt	C8-36	172120.35	223298.28	1136.50	1121.00	1123.39	0.00
Little Salt	C8-37	172119.12	222788.28	1137.51	1121.31	1123.70	0.00
Little Salt	C8-38	172118.01	222272.91	1138.02	1121.62	1124.01	0.00
Little Salt	C8-39	172116.92	221758.05	1147.73	1121.93	1124.33	0.00
Little Salt	C8-4	167945.94	221675.99	1143.02	1126.92	1128.43	0.00
Little Salt	C8-40	172115.94	221295.98	1145.04	1122.21	1124.61	0.00
Little Salt	C8-41	172087.17	221268.68	1142.73	1122.23	1124.63	0.00
Little Salt	C8-42	171723.46	221267.51	1133.75	1122.45	1124.85	0.00
Little Salt	C8-43	171363.45	221266.35	1138.77	1122.67	1125.07	0.00
Little Salt	C8-44	171002.79	221267.01	1137.99	1122.89	1125.29	0.00
Little Salt	C8-45	175029.78	223438.89	1142.13	1123.23	1124.02	0.00
Little Salt	C8-46	175019.44	222992.66	1145.48	1125.48	1126.47	0.00
Little Salt	C8-47	175010.58	222544.79	1142.92	1127.72	1128.66	0.00
Little Salt	C8-48	175000.23	222081.99	1142.27	1129.97	1131.62	0.00
Little Salt	C8-49	174989.89	221642.16	1142.22	1132.22	1133.14	0.00
Little Salt	C8-5	168052.30	222193.45	1143.04	1127.34	1128.92	0.00
Little Salt	C8-50	174870.62	221234.14	1143.60	1134.51	1135.57	0.00
Little Salt	C8-51	174963.13	221271.12	1143.57	1134.27	1135.17	0.00
Little Salt	C8-6	168158.09	222682.13	1138.96	1127.76	1129.37	0.00
Little Salt	C8-7	168265.77	223170.40	1138.99	1128.19	1129.72	0.00
Little Salt	C8-70	174995.80	221894.82	1147.64	1130.84	1131.96	0.00
Little Salt	C8-71	167980.11	221855.07	1143.36	1127.06	1128.56	0.00
Little Salt	C8-8	168373.90	223646.30	1141.03	1128.53	1130.07	0.00
Little Salt	C8-9	168464.31	224058.36	1148.02	1128.82	1130.35	0.00
Little Salt	C8-90	167853.44	221243.46	1140.54	1126.54	1127.66	3.60
Little Salt	C8-92	168413.39	223827.37	1148.13	1128.63	1130.17	0.00
Little Salt	C9-1	166804.95	226569.22	1141.04	1130.84	1132.50	0.00
Little Salt	C9-10	176253.48	226886.06	1134.37	1115.57	1118.15	0.00
Little Salt	C9-12	166356.15	228409.62	1144.86	1134.03	1134.76	2.47

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface Elevation (ft)	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	C9-13	166494.20	228065.27	1146.55	1133.07	1133.93	0.00
Little Salt	C9-14	166491.54	227530.90	1147.63	1132.63	1133.47	0.00
Little Salt	C9-2	166326.33	226734.35	1141.99	1131.09	1132.76	0.00
Little Salt	C9-23	166477.60	227165.82	1151.35	1132.35	1133.06	0.00
Little Salt	C9-3	165930.04	226872.30	1144.03	1131.33	1132.91	0.00
Little Salt	C9-4	165769.46	226873.48	1144.91	1131.41	1132.96	2.80
Little Salt	C9-50	168136.16	226538.11	1150.73	1133.38	1133.38	0.00
Little Salt	C9-51	167678.14	226549.96	1140.79	1132.79	1132.79	0.00
Little Salt	C9-52	167367.49	226685.52	1147.97	1132.37	1132.37	0.00
Little Salt	C9-6	176282.31	228919.76	1135.70	1114.50	1116.89	0.00
Little Salt	C9-7	176275.33	228430.38	1135.35	1114.85	1117.32	0.00
Little Salt	C9-8	176268.05	227920.43	1134.61	1115.21	1117.71	0.00
Little Salt	C9-9	176274.31	227400.51	1142.27	1115.39	1117.73	0.00
Little Salt	D4-262	184011.00	204268.89	1225.00	1215.00	1215.70	4.47
Little Salt	D4-462	184123.96	205028.29	1223.35	1208.35	1209.12	1.33
Little Salt	D4-463	184115.45	204542.75	1227.49	1212.19	1212.92	0.00
Little Salt	D4-481	182357.05	205250.32	1202.40	1195.50	1196.81	0.18
Little Salt	D4-482	182753.82	205253.49	1204.80	1197.90	1199.04	0.00
Little Salt	D4-483	182790.42	205227.77	1204.97	1198.17	1199.30	0.00
Little Salt	D4-484	183184.39	205230.91	1213.52	1200.52	1201.65	0.00
Little Salt	D4-485	183511.86	205239.31	1218.03	1202.83	1203.78	0.00
Little Salt	D4-486	183939.65	205242.68	1220.97	1204.97	1206.28	1.62
Little Salt	D5-119	180236.17	206844.07	1198.10	1177.60	1178.81	0.00
Little Salt	D5-121	179950.92	207044.12	1194.74	1176.14	1177.41	2.47
Little Salt	D5-122	179631.01	207257.43	1191.12	1173.72	1175.07	0.00
Little Salt	D5-151	179332.23	207466.97	1189.58	1171.48	1173.48	0.00
Little Salt	D5-152	179027.63	207680.60	1185.72	1169.22	1171.84	0.00
Little Salt	D5-153	179027.68	207897.41	1189.51	1167.61	1170.82	1.88
Little Salt	D5-16	181762.46	205665.67	1204.17	1191.17	1192.35	0.00
Little Salt	D5-17	182061.33	205457.51	1210.44	1193.34	1194.51	0.00
Little Salt	D5-209	178474.27	208586.60	1178.90	1164.60	1167.57	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface Elevation (ft)	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	D5-210	178840.54	208470.99	1185.25	1165.43	1168.89	0.55
Little Salt	D5-213	178999.12	208255.11	1188.27	1166.57	1169.73	0.00
Little Salt	D5-275	178129.22	208790.69	1178.92	1163.32	1166.20	0.00
Little Salt	D5-276	177826.78	209077.76	1181.48	1161.98	1164.78	0.00
Little Salt	D5-324	177568.75	209470.34	1176.50	1160.20	1163.16	0.90
Little Salt	D5-325	177197.26	209792.68	1175.03	1159.43	1162.15	0.00
Little Salt	D5-326	176830.47	210110.37	1173.46	1158.66	1161.22	0.00
Little Salt	D5-339	176459.68	210432.90	1173.10	1157.90	1160.27	0.00
Little Salt	D5-386	179027.77	207986.46	1184.19	1167.34	1170.54	0.00
Little Salt	D5-414	179956.62	206576.49	1193.07	1177.07	1177.41	0.00
Little Salt	D5-417	182249.10	205325.51	1206.94	1194.94	1196.10	0.00
Little Salt	D5-434	179027.88	208091.54	1185.05	1166.85	1170.25	0.00
Little Salt	D5-45	181461.20	205875.79	1203.59	1184.49	1185.64	0.76
Little Salt	D5-46	181462.07	205979.41	1203.16	1183.96	1185.16	0.00
Little Salt	D5-482	178697.16	208516.34	1184.46	1165.36	1168.37	0.00
Little Salt	D5-483	179491.40	207346.10	1190.90	1172.70	1174.29	0.00
Little Salt	D5-51	181424.12	205995.04	1202.37	1182.37	1183.53	0.00
Little Salt	D5-513	176328.82	210555.73	1173.10	1157.18	1159.56	0.00
Little Salt	D5-62	179919.32	206539.20	1195.14	1185.64	1185.64	0.00
Little Salt	D5-63	181143.94	206199.93	1200.28	1180.78	1182.02	0.00
Little Salt	D5-67	180540.91	206630.95	1194.99	1179.19	1180.38	0.00
Little Salt	D7-142	178197.14	219422.66	1157.52	1145.87	1146.81	0.00
Little Salt	D7-197	178181.67	219818.47	1153.98	1144.58	1145.54	0.00
Little Salt	D7-208	178181.60	220198.49	1153.63	1143.29	1144.19	0.00
Little Salt	D7-237	178197.33	220594.30	1152.77	1141.77	1142.78	0.00
Little Salt	D7-238	178197.27	221171.19	1153.28	1140.62	1142.15	0.00
Little Salt	D7-239	178197.28	220974.32	1152.35	1141.01	1142.31	0.00
Little Salt	D7-247	178018.27	221172.56	1151.32	1140.02	1142.04	1.51
Little Salt	D7-264	176826.79	221142.21	1151.93	1138.73	1140.42	0.00
Little Salt	D7-267	177640.66	221175.39	1149.55	1139.75	1141.55	0.00
Little Salt	D7-278	179615.09	219237.03	1167.30	1150.61	1151.28	3.10

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface Elevation (ft)	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	D7-279	179234.58	219236.88	1164.50	1148.66	1149.64	0.00
Little Salt	D7-280	178849.56	219205.18	1165.30	1148.09	1148.98	0.00
Little Salt	D7-281	178556.88	219202.78	1160.30	1147.34	1148.25	0.00
Little Salt	D7-283	178197.37	219202.78	1158.20	1146.62	1147.57	1.36
Little Salt	D7-415	176803.27	221145.45	1152.90	1138.75	1140.68	0.00
Little Salt	D7-416	177097.41	221163.27	1150.60	1139.13	1140.81	0.00
Little Salt	D7-417	177193.38	221155.12	1149.70	1139.29	1140.87	0.00
Little Salt	D7-418	177243.90	221193.87	1150.00	1139.40	1140.92	1.22
Little Salt	D7-445	186793.47	221171.87	1153.40	1146.09	1146.88	0.00
Little Salt	D7-446	186349.95	221173.84	1159.10	1145.55	1146.34	0.00
Little Salt	D7-447	185900.89	221169.84	1160.36	1145.01	1145.80	0.00
Little Salt	D7-448	185349.90	221163.79	1160.30	1144.35	1145.14	0.00
Little Salt	D7-449	184748.95	221157.07	1154.70	1143.63	1144.43	0.00
Little Salt	D7-450	184150.06	221151.13	1169.50	1142.91	1143.74	0.00
Little Salt	D7-451	183550.06	221144.84	1158.32	1142.19	1142.73	0.00
Little Salt	D7-452	182992.49	221138.94	1161.55	1141.53	1142.49	0.00
Little Salt	D7-453	182885.68	221134.67	1163.86	1141.27	1141.99	0.00
Little Salt	D7-456	178197.48	220756.49	1152.00	1141.27	1142.53	0.00
Little Salt	D7-458	186760.72	219193.79	1161.10	1150.88	1151.60	0.00
Little Salt	D7-459	186769.75	219738.77	1156.80	1149.63	1150.34	0.00
Little Salt	D7-460	186778.85	220288.62	1156.92	1148.36	1149.09	0.00
Little Salt	D7-461	186787.12	220788.49	1155.90	1147.21	1147.88	0.00
Little Salt	D8-141	181580.70	225458.16	1146.65	1130.95	1131.74	0.00
Little Salt	D8-147	176907.89	225315.85	1134.15	1126.15	1126.66	1.55
Little Salt	D8-149	176817.05	225649.58	1134.06	1124.96	1125.68	0.00
Little Salt	D8-150	176796.76	226019.18	1132.61	1124.61	1125.31	0.00
Little Salt	D8-151	176807.01	226352.46	1136.43	1124.23	1124.66	0.00
Little Salt	D8-163	176512.02	226354.85	1135.00	1121.65	1121.98	0.00
Little Salt	D8-171	181587.60	225912.85	1142.84	1129.54	1130.32	0.00
Little Salt	D8-185	181569.20	224781.11	1147.37	1132.27	1133.27	0.00
Little Salt	D8-218	182893.40	221570.70	1167.70	1140.44	1141.16	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface Elevation (ft)	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	D8-219	182903.53	222173.86	1160.80	1139.50	1140.22	0.00
Little Salt	D8-220	182911.95	222673.84	1158.10	1138.57	1139.29	0.00
Little Salt	D8-221	182922.05	223273.80	1156.20	1137.63	1138.36	0.00
Little Salt	D8-222	182930.85	223798.78	1174.37	1136.74	1137.47	0.00
Little Salt	D8-223	182939.72	224325.96	1172.58	1135.84	1136.52	0.00
Little Salt	D8-224	182276.85	224334.85	1170.55	1134.71	1135.48	0.00
Little Salt	D8-225	181747.18	224341.88	1168.58	1133.81	1134.63	0.00
Little Salt	D8-226	181679.11	224481.57	1167.05	1133.24	1133.96	1.54
Little Salt	D8-229	186686.64	225879.86	1146.08	1112.84	1112.84	0.00
Little Salt	D8-230	186181.21	226175.76	1127.84	1112.84	1112.84	0.00
Little Salt	D8-81	181556.79	224489.85	1151.75	1136.25	1136.32	0.10
Little Salt	D8-86	181573.80	225059.44	1146.59	1131.99	1132.80	0.00
Little Salt	D8-87	181566.13	224610.88	1147.16	1132.56	1133.51	0.00
Little Salt	D8-88	181583.00	225571.64	1147.25	1130.55	1131.33	0.00
Little Salt	D8-89	181589.90	225968.06	1142.68	1129.38	1130.15	0.00
Little Salt	D8-91	181576.10	225159.12	1146.05	1131.75	1132.53	0.00
Little Salt	D9-100	185045.54	228217.65	1126.33	1111.33	1112.82	0.00
Little Salt	D9-101	184559.54	228982.15	1125.95	1110.95	1112.82	0.00
Little Salt	D9-102	184082.02	229810.30	1125.57	1110.57	1112.82	0.00
Little Salt	D9-103	183825.89	229822.87	1125.25	1110.48	1112.82	0.00
Little Salt	D9-12	181593.26	228533.14	1142.00	1124.00	1124.75	0.00
Little Salt	D9-29	181600.80	228141.22	1142.74	1125.49	1126.23	0.00
Little Salt	D9-30	181599.45	227701.01	1140.99	1126.15	1127.10	0.00
Little Salt	D9-31	181598.58	227260.81	1139.36	1126.81	1127.75	0.00
Little Salt	D9-32	181597.46	226820.41	1140.00	1127.47	1128.41	0.00
Little Salt	D9-58	176931.59	228999.08	1135.90	1113.60	1116.43	0.00
Little Salt	D9-59	177215.81	228997.25	1134.54	1113.44	1116.32	0.00
Little Salt	D9-60	177784.56	228993.67	1128.74	1113.24	1116.09	0.00
Little Salt	D9-61	178332.18	228990.05	1129.84	1113.04	1115.87	0.00
Little Salt	D9-62	178831.58	228986.81	1138.64	1112.84	1115.64	0.00
Little Salt	D9-63	179299.55	228985.51	1142.64	1112.64	1115.42	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface Elevation (ft)	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	D9-64	179799.42	228982.28	1137.94	1112.44	1115.20	0.00
Little Salt	D9-65	180292.11	228978.94	1133.76	1112.11	1115.00	0.88
Little Salt	D9-66	180674.42	228976.98	1132.37	1112.07	1114.83	0.00
Little Salt	D9-67	181099.70	228973.40	1130.88	1111.88	1114.62	0.00
Little Salt	D9-68	181577.69	228881.24	1137.80	1122.40	1122.75	0.00
Little Salt	D9-69	181323.41	228972.44	1135.90	1111.60	1114.54	0.00
Little Salt	D9-70	181516.23	229047.29	1133.27	1111.47	1114.47	0.00
Little Salt	D9-71	181579.24	229410.67	1130.63	1111.43	1114.26	0.00
Little Salt	D9-72	181580.27	229804.80	1133.72	1111.22	1114.05	0.00
Little Salt	D9-73	181630.66	229863.24	1133.18	1111.18	1114.02	0.00
Little Salt	D9-74	182146.86	229857.22	1131.10	1110.90	1113.74	0.00
Little Salt	D9-75	182660.69	229842.26	1128.62	1110.62	1113.47	0.00
Little Salt	D9-76	183170.70	229836.64	1135.84	1110.34	1113.21	0.00
Little Salt	D9-77	183692.23	229831.41	1125.05	1110.27	1112.88	0.00
Little Salt	D9-78	181588.03	228562.65	1142.00	1123.90	1124.64	0.00
Little Salt	D9-84	181596.10	226383.36	1141.43	1128.13	1129.07	0.00
Little Salt	D9-85	176611.81	229000.57	1136.85	1113.75	1116.56	0.00
Little Salt	D9-98	185708.11	227009.38	1127.09	1112.09	1112.82	0.00
Little Salt	D9-99	185526.49	227410.88	1126.71	1111.71	1112.82	0.00
Little Salt	D9-JNC	183734.91	229894.80	1131.20	1110.25	1112.82	0.00
Little Salt	D9-WWTP	183737.76	230304.45	1132.00	1110.00	1112.50	0.00
Little Salt	E7-10	188878.50	217827.13	1169.80	1160.40	1161.17	0.00
Little Salt	E7-11	188620.39	218027.27	1172.99	1159.81	1160.58	0.00
Little Salt	E7-12	188675.65	218383.21	1168.76	1159.16	1159.93	0.00
Little Salt	E7-13	188732.88	218743.92	1168.68	1158.50	1159.27	0.00
Little Salt	E7-14	188642.20	218946.10	1168.51	1158.10	1158.87	0.00
Little Salt	E7-15	188091.36	219218.68	1162.56	1156.99	1157.76	0.00
Little Salt	E7-16	187480.86	219218.63	1167.35	1155.89	1156.74	0.00
Little Salt	E7-17	186890.69	219218.76	1161.20	1154.83	1155.10	0.00
Little Salt	E7-18	186865.99	219193.77	1161.38	1151.16	1151.86	0.00
Little Salt	E7-6	190245.27	216892.51	1187.15	1163.58	1164.34	2.32

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface Elevation (ft)	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	E7-7	189971.86	217222.44	1173.09	1162.75	1163.60	0.00
Little Salt	E7-8	189698.08	217552.80	1171.27	1162.19	1163.04	0.00
Little Salt	E7-9	189327.98	218090.75	1167.75	1161.34	1162.11	0.00
Beals & Salt Valley	A4-172	155030.15	201318.60	1149.58	1140.38	1141.49	0.00
Beals & Salt Valley	B0-151	157249.91	184183.02	1170.27	1158.27	1159.24	0.00
Beals & Salt Valley	B0-208	157516.36	179061.46	1172.57	1162.06	1163.39	0.00
Beals & Salt Valley	B0-209	157425.85	179535.56	1179.64	1161.19	1163.11	0.00
Beals & Salt Valley	B0-210	157390.66	180127.43	1173.65	1161.45	1162.92	0.00
Beals & Salt Valley	B0-211	157355.71	180647.20	1169.92	1161.20	1162.51	0.00
Beals & Salt Valley	B0-212	157323.92	181190.33	1170.04	1160.59	1162.03	0.00
Beals & Salt Valley	B0-213	157284.51	181794.55	1169.94	1160.11	1161.62	0.00
Beals & Salt Valley	B0-214	157244.60	182448.62	1175.07	1159.78	1161.21	0.00
Beals & Salt Valley	B0-215	157481.32	182388.46	1179.55	1159.55	1161.13	0.57
Beals & Salt Valley	B0-216	157356.77	183060.29	1178.34	1159.40	1160.72	0.00
Beals & Salt Valley	B0-217	157322.20	183473.43	1170.04	1158.96	1160.29	0.00
Beals & Salt Valley	B0-218	157274.13	184100.61	1169.89	1158.49	1159.23	2.56
Beals & Salt Valley	B1-1	157252.49	187831.97	1157.80	1137.48	1139.18	0.00
Beals & Salt Valley	B1-158	158505.82	188448.46	1170.25	1154.75	1155.22	0.00
Beals & Salt Valley	B1-159	158297.64	188075.75	1170.39	1155.09	1155.94	0.00
Beals & Salt Valley	B1-160	158089.96	187713.00	1163.62	1155.42	1156.30	0.00
Beals & Salt Valley	B1-161	157882.28	187350.25	1163.96	1155.76	1156.64	0.00
Beals & Salt Valley	B1-162	157678.57	186994.44	1164.49	1156.09	1156.97	0.00
Beals & Salt Valley	B1-163	157472.35	186634.30	1164.82	1156.42	1157.30	0.00
Beals & Salt Valley	B1-164	157283.32	186262.38	1165.05	1156.75	1157.63	0.00
Beals & Salt Valley	B1-165	157191.93	185855.62	1165.38	1157.08	1157.96	0.00
Beals & Salt Valley	B1-166	157194.98	185438.08	1165.72	1157.42	1158.30	0.00
Beals & Salt Valley	B1-167	157213.03	185025.46	1166.15	1157.75	1158.63	0.00
Beals & Salt Valley	B1-168	157231.27	184608.80	1166.48	1158.08	1158.96	0.00
Beals & Salt Valley	B1-2	157268.03	187074.91	1165.09	1138.59	1139.81	0.00
Beals & Salt Valley	B1-239	165461.82	188846.33	1192.83	1173.67	1174.98	0.00
Beals & Salt Valley	B1-241	162336.88	189333.20	1181.22	1162.42	1163.72	0.00

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		X-Coord	Y-Coord				
Beals & Salt Valley	B1-262	161623.83	189478.38	1177.76	1159.26	1160.20	0.00
Beals & Salt Valley	B1-272	165287.93	188762.76	1189.42	1173.42	1174.68	0.00
Beals & Salt Valley	B1-289	156901.66	188682.44	1153.53	1135.46	1139.03	0.00
Beals & Salt Valley	B1-290	156852.03	189370.43	1157.45	1135.25	1138.80	0.00
Beals & Salt Valley	B1-291	165367.67	188886.20	1194.72	1172.87	1174.27	0.00
Beals & Salt Valley	B1-292	165228.38	188782.12	1190.11	1172.26	1173.87	0.00
Beals & Salt Valley	B1-293	165189.25	188746.97	1187.83	1171.98	1173.65	0.00
Beals & Salt Valley	B1-294	164361.51	188900.47	1184.63	1168.78	1170.40	0.00
Beals & Salt Valley	B1-295	163563.89	189011.95	1184.53	1165.68	1167.37	0.29
Beals & Salt Valley	B1-296	162959.52	189167.83	1178.19	1163.34	1164.80	0.00
Beals & Salt Valley	B1-298	162089.87	189360.50	1189.88	1160.03	1161.98	0.00
Beals & Salt Valley	B1-299	161984.84	189383.28	1180.44	1159.59	1161.40	0.00
Beals & Salt Valley	B1-3	157276.33	186261.11	1164.85	1139.70	1140.85	0.00
Beals & Salt Valley	B1-300	161729.69	189257.30	1174.88	1158.03	1159.87	0.00
Beals & Salt Valley	B1-301	161641.72	188707.67	1173.98	1155.13	1156.97	0.00
Beals & Salt Valley	B1-302	161067.47	188710.67	1171.99	1152.14	1153.98	0.00
Beals & Salt Valley	B1-303	160493.22	188710.67	1172.00	1149.15	1151.21	0.00
Beals & Salt Valley	B1-305	160496.70	188527.42	1168.89	1148.58	1150.45	0.00
Beals & Salt Valley	B1-306	159865.32	188545.34	1179.22	1146.61	1148.52	0.41
Beals & Salt Valley	B1-307	158686.10	188536.75	1172.87	1143.02	1144.87	0.00
Beals & Salt Valley	B1-308	158559.13	188537.38	1171.36	1142.51	1144.39	0.00
Beals & Salt Valley	B1-309	157851.92	188524.66	1163.18	1140.33	1142.38	0.00
Beals & Salt Valley	B1-310	157151.96	188398.66	1156.40	1136.55	1139.16	0.00
Beals & Salt Valley	B1-311	156909.18	188438.82	1166.61	1135.76	1139.10	0.00
Beals & Salt Valley	B1-4	157280.90	185428.08	1166.12	1140.81	1141.97	0.00
Beals & Salt Valley	B1-5	157142.89	185264.36	1165.72	1141.51	1142.56	0.00
Beals & Salt Valley	B1-6	157183.16	184668.08	1166.48	1142.57	1143.74	0.00
Beals & Salt Valley	B1-7	157225.64	184035.61	1170.27	1143.50	1144.63	0.00
Beals & Salt Valley	B1-79	165569.27	188572.13	1189.61	1176.11	1176.79	0.00
Beals & Salt Valley	B1-8	157292.25	183991.24	1169.89	1158.49	1158.94	0.00
Beals & Salt Valley	B1-80	165260.33	188768.75	1189.50	1173.10	1174.65	0.85

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		X-Coord	Y-Coord				
Beals & Salt Valley	B1-82	164737.93	188869.42	1185.42	1171.62	1172.82	0.00
Beals & Salt Valley	B1-84	164148.50	188983.81	1185.01	1169.41	1170.59	0.00
Beals & Salt Valley	B1-86	163557.05	189102.94	1184.32	1167.11	1168.29	0.00
Beals & Salt Valley	B1-89	162982.34	189192.47	1180.24	1164.84	1166.10	1.21
Beals & Salt Valley	B1-91	162400.69	189324.40	1179.43	1162.83	1163.98	0.00
Beals & Salt Valley	B1-93	162111.68	189364.60	1180.51	1161.71	1162.38	0.00
Beals & Salt Valley	B1-95	161940.09	189415.35	1178.81	1160.61	1161.46	0.00
Beals & Salt Valley	B1S-10	159951.49	176311.40	1181.36	1169.14	1170.00	0.00
Beals & Salt Valley	B1S-11	159579.62	176312.43	1178.52	1167.95	1168.56	0.00
Beals & Salt Valley	B1S-12	159307.70	176181.90	1178.56	1165.07	1166.45	0.00
Beals & Salt Valley	B1S-13	158985.24	176571.47	1175.86	1164.76	1166.08	0.00
Beals & Salt Valley	B1S-14	158816.86	176880.81	1174.66	1164.33	1165.80	0.00
Beals & Salt Valley	B1S-15	158573.18	177327.36	1174.26	1164.06	1165.43	0.00
Beals & Salt Valley	B1S-16	158359.58	177720.64	1173.16	1163.73	1165.02	0.00
Beals & Salt Valley	B1S-17	158477.10	178160.64	1172.80	1163.18	1164.55	0.00
Beals & Salt Valley	B1S-18	158464.49	178386.42	1174.94	1162.90	1164.39	0.00
Beals & Salt Valley	B1S-19	158122.35	178577.58	1175.88	1162.68	1164.15	0.00
Beals & Salt Valley	B1S-20	157743.77	178728.10	1174.04	1162.57	1163.77	0.09
Beals & Salt Valley	B1S-21	157625.88	178764.37	1172.02	1162.27	1163.66	0.00
Beals & Salt Valley	B1S-5	162305.66	176104.82	1193.18	1180.83	1181.49	3.42
Beals & Salt Valley	B1S-56	161036.25	176128.17	1185.38	1172.69	1173.72	0.00
Beals & Salt Valley	B1S-57	160620.64	176198.60	1183.84	1171.55	1172.37	0.00
Beals & Salt Valley	B1S-58	160343.60	176200.22	1182.60	1170.69	1171.51	0.00
Beals & Salt Valley	B1S-59	160343.81	176129.07	1182.60	1170.48	1171.28	0.00
Beals & Salt Valley	B1S-6	160615.75	176071.00	1185.18	1171.98	1171.98	0.00
Beals & Salt Valley	B1S-72	160414.55	174010.12	1181.90	1168.70	1169.71	0.00
Beals & Salt Valley	B1S-73	160126.94	174536.70	1180.75	1167.97	1168.98	0.00
Beals & Salt Valley	B1S-74	159864.02	175017.83	1182.85	1167.30	1168.31	0.00
Beals & Salt Valley	B1S-75	159575.98	175546.13	1176.00	1166.57	1167.59	0.00
Beals & Salt Valley	B1S-76	159297.48	176038.03	1176.10	1165.89	1166.73	0.00
Beals & Salt Valley	B1S-9	160250.40	176145.11	1178.20	1170.13	1170.97	0.00

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Beals & Salt Valley	B1S-94	161634.40	176170.28	1188.07	1176.57	1177.25	0.00
Beals & Salt Valley	B2-101	156727.92	194486.02	1153.76	1144.96	1146.23	0.00
Beals & Salt Valley	B2-102	156995.90	193867.66	1154.46	1145.76	1147.00	0.00
Beals & Salt Valley	B2-103	157244.18	193322.16	1155.11	1146.51	1147.77	0.00
Beals & Salt Valley	B2-104	157499.03	192775.30	1155.36	1147.26	1148.45	0.00
Beals & Salt Valley	B2-105	157836.17	192154.46	1160.86	1150.06	1151.30	0.00
Beals & Salt Valley	B2-106	158063.30	191687.85	1159.07	1148.77	1151.40	0.00
Beals & Salt Valley	B2-107	158317.33	191142.65	1168.33	1149.53	1151.50	0.00
Beals & Salt Valley	B2-108	158555.14	190599.42	1167.78	1150.28	1151.72	0.00
Beals & Salt Valley	B2-17	161055.44	189590.42	1176.05	1157.65	1158.54	0.65
Beals & Salt Valley	B2-20	160579.60	189759.13	1172.90	1155.60	1156.65	0.12
Beals & Salt Valley	B2-217	159377.42	189981.18	1171.35	1152.50	1153.76	0.00
Beals & Salt Valley	B2-298	160447.78	189825.27	1174.06	1155.26	1156.32	0.26
Beals & Salt Valley	B2-31	158813.86	190043.01	1164.82	1151.42	1152.52	0.00
Beals & Salt Valley	B2-32	159220.99	190042.68	1165.44	1152.34	1153.42	0.00
Beals & Salt Valley	B2-33	159625.46	190042.37	1173.56	1153.26	1154.26	0.00
Beals & Salt Valley	B2-34	159994.95	190042.07	1174.42	1154.12	1155.17	0.00
Beals & Salt Valley	B2-345	157646.35	192561.86	1156.08	1149.71	1150.39	0.00
Beals & Salt Valley	B2-35	160085.65	189991.69	1174.36	1154.36	1155.43	0.00
Beals & Salt Valley	B2-350	157143.65	193495.49	1159.90	1146.13	1147.57	0.90
Beals & Salt Valley	B2-361	158449.70	190835.96	1168.71	1149.91	1151.60	0.00
Beals & Salt Valley	B2-367	159208.18	189695.35	1167.05	1152.82	1153.76	0.00
Beals & Salt Valley	B2-37	160320.50	189894.88	1178.32	1154.92	1155.98	0.23
Beals & Salt Valley	B2-397	156819.40	190102.81	1158.17	1135.01	1138.57	0.00
Beals & Salt Valley	B2-398	156788.99	190816.92	1161.42	1134.84	1138.34	0.00
Beals & Salt Valley	B2-399	156732.42	191499.69	1160.49	1134.64	1138.12	0.00
Beals & Salt Valley	B2-400	156675.06	192157.20	1168.81	1134.37	1137.90	0.00
Beals & Salt Valley	B2-401	156612.74	192874.82	1158.77	1134.17	1137.67	0.00
Beals & Salt Valley	B2-402	156561.70	193598.22	1158.55	1133.86	1137.43	0.00
Beals & Salt Valley	B2-403	156496.30	194606.21	1158.30	1133.51	1137.10	0.00
Beals & Salt Valley	B2S-37	161439.50	172078.11	1185.05	1171.12	1172.13	0.00

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Beals & Salt Valley	B2S-38	161177.77	172574.80	1185.85	1170.62	1171.63	0.00
Beals & Salt Valley	B2S-39	160987.04	172940.71	1183.85	1170.14	1171.15	0.00
Beals & Salt Valley	B2S-40	160700.67	173467.97	1181.85	1169.42	1170.43	0.00
Beals & Salt Valley	B2S-41	162709.28	173492.94	1192.70	1179.30	1181.39	0.00
Beals & Salt Valley	B2S-42	162398.44	173208.21	1193.90	1177.98	1179.56	0.00
Beals & Salt Valley	B2S-43	162130.43	172973.97	1189.85	1176.86	1177.93	0.00
Beals & Salt Valley	B2S-44	161856.85	172739.70	1187.59	1174.68	1175.70	0.00
Beals & Salt Valley	B2S-45	161600.96	172509.11	1185.05	1171.12	1173.73	0.00
Beals & Salt Valley	B3-316	156416.95	196503.53	1154.89	1143.49	1143.49	0.00
Beals & Salt Valley	B3-374	156678.28	196501.59	1153.26	1143.96	1143.96	0.00
Beals & Salt Valley	B3-422	157077.97	196498.47	1153.27	1144.47	1144.47	0.00
Beals & Salt Valley	B3-461	156415.44	199577.38	1150.94	1143.34	1143.34	0.00
Beals & Salt Valley	B3-462	156413.57	199171.00	1150.36	1142.76	1142.76	0.00
Beals & Salt Valley	B3-463	156411.60	198751.08	1151.14	1143.24	1143.24	0.00
Beals & Salt Valley	B3-464	156409.31	198322.20	1150.91	1143.71	1143.71	0.00
Beals & Salt Valley	B3-465	156406.98	197892.75	1151.27	1144.17	1144.17	0.00
Beals & Salt Valley	B3-466	156405.18	197429.66	1152.71	1144.71	1144.71	0.00
Beals & Salt Valley	B3-472	156310.30	194890.57	1155.10	1144.20	1145.55	1.34
Beals & Salt Valley	B3-473	156281.02	194860.88	1154.20	1143.69	1145.16	0.00
Beals & Salt Valley	B3-476	156254.68	195294.34	1154.00	1143.50	1144.82	0.00
Beals & Salt Valley	B3-478	156168.94	195671.95	1152.59	1142.99	1144.23	0.00
Beals & Salt Valley	B3-480	156080.23	196043.55	1154.25	1142.25	1143.57	0.00
Beals & Salt Valley	B3-486	156005.66	197368.16	1171.16	1140.06	1141.06	0.00
Beals & Salt Valley	B3-490	155939.08	198051.40	1150.37	1139.47	1140.90	0.00
Beals & Salt Valley	B3-493	155873.76	198707.11	1150.25	1138.70	1140.48	0.28
Beals & Salt Valley	B3-496	155877.11	199251.94	1150.36	1138.86	1140.20	0.00
Beals & Salt Valley	B3-498	155884.09	199784.14	1147.67	1138.37	1139.45	0.00
Beals & Salt Valley	B3-500	157917.89	196493.45	1157.15	1146.25	1146.25	0.00
Beals & Salt Valley	B3-513	156071.50	196701.40	1151.20	1141.50	1142.70	0.00
Beals & Salt Valley	B3-525	158130.57	196493.13	1158.33	1147.23	1147.23	0.00
Beals & Salt Valley	B3-526	158551.21	196492.45	1127.60	1113.80	1131.95	0.00

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Beals & Salt Valley	B3-527	158675.47	196492.28	1165.03	1149.73	1149.83	0.00
Beals & Salt Valley	B3-528	158716.97	196103.74	1164.95	1151.55	1152.37	0.00
Beals & Salt Valley	B3-529	158948.86	196034.06	1166.29	1152.69	1153.41	0.00
Beals & Salt Valley	B3-530	159183.72	196033.05	1167.90	1154.20	1154.86	0.00
Beals & Salt Valley	B3-531	159369.54	196038.77	1168.40	1155.05	1155.78	0.00
Beals & Salt Valley	B3-532	159760.13	196036.59	1216.85	1156.85	1157.57	0.00
Beals & Salt Valley	B3-533	160136.62	196022.62	1174.65	1160.55	1161.13	3.31
Beals & Salt Valley	B3-541	157465.84	196495.36	1155.07	1145.07	1145.07	0.00
Beals & Salt Valley	B3-627	156247.55	195273.76	1154.41	1143.51	1145.18	0.00
Beals & Salt Valley	B3-640	156349.13	199972.55	1152.31	1142.31	1142.31	0.00
Beals & Salt Valley	B3-641	156416.29	199890.38	1152.57	1142.57	1142.57	0.00
Beals & Salt Valley	B3-667	156000.92	197426.03	1154.25	1136.04	1141.01	0.00
Beals & Salt Valley	B3-668	156370.48	197451.65	1157.00	1144.55	1144.55	0.00
Beals & Salt Valley	B3-675	156297.15	198731.09	1152.28	1132.60	1135.18	0.00
Beals & Salt Valley	B3-676	156321.45	199842.73	1152.71	1131.60	1134.22	0.00
Beals & Salt Valley	B3-678	156404.05	195725.33	1155.95	1133.29	1136.76	0.00
Beals & Salt Valley	B3-679	156330.28	196297.10	1146.10	1133.24	1136.55	0.00
Beals & Salt Valley	B3-681	156303.47	196505.13	1156.25	1133.22	1136.46	0.00
Beals & Salt Valley	B3-682	156296.21	197437.06	1162.84	1132.99	1136.04	0.88
Beals & Salt Valley	B3-683	156296.68	198093.61	1153.35	1132.85	1135.67	0.00
Beals & Salt Valley	B4-108	155889.45	200888.89	1148.53	1136.53	1138.22	0.00
Beals & Salt Valley	B4-13	156744.19	204970.61	1148.21	1137.21	1137.21	0.00
Beals & Salt Valley	B4-14	156792.61	204979.52	1149.68	1136.58	1136.58	0.00
Beals & Salt Valley	B4-171	156352.87	201940.40	1147.88	1139.88	1139.88	0.00
Beals & Salt Valley	B4-173	155884.07	201932.56	1147.80	1135.80	1137.62	0.00
Beals & Salt Valley	B4-178	155472.04	201307.66	1155.52	1139.32	1140.09	0.00
Beals & Salt Valley	B4-179	155890.48	201292.68	1149.22	1136.22	1137.98	0.55
Beals & Salt Valley	B4-18	156449.04	204966.20	1149.71	1133.56	1133.83	0.00
Beals & Salt Valley	B4-181	155891.58	201537.45	1152.89	1136.09	1137.77	0.00
Beals & Salt Valley	B4-183	156350.87	201541.24	1152.25	1140.25	1140.25	0.00
Beals & Salt Valley	B4-19	156404.01	204978.73	1153.11	1139.01	1139.01	0.00

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Beals & Salt Valley	B4-20	156320.10	204984.04	1148.03	1139.23	1139.23	0.00
Beals & Salt Valley	B4-22	156448.83	204912.62	1147.66	1133.56	1133.87	0.40
Beals & Salt Valley	B4-243	156354.89	202341.28	1149.65	1139.65	1139.65	0.00
Beals & Salt Valley	B4-253	155835.34	202486.00	1148.93	1135.43	1136.89	0.00
Beals & Salt Valley	B4-254	155893.59	202534.73	1147.13	1134.63	1137.02	0.00
Beals & Salt Valley	B4-257	156356.90	202740.40	1149.79	1139.29	1139.29	0.00
Beals & Salt Valley	B4-321	156359.17	203141.43	1146.31	1138.91	1138.91	0.00
Beals & Salt Valley	B4-323	155899.68	202935.51	1147.59	1135.09	1136.85	0.00
Beals & Salt Valley	B4-326	155902.00	203342.34	1150.70	1134.80	1136.49	0.00
Beals & Salt Valley	B4-329	156362.12	203661.75	1151.53	1138.43	1138.43	0.00
Beals & Salt Valley	B4-390	155921.74	203928.29	1147.19	1134.39	1135.69	0.00
Beals & Salt Valley	B4-395	156297.86	204394.23	1143.06	1133.06	1134.37	0.00
Beals & Salt Valley	B4-397	156422.16	204595.63	1142.50	1133.80	1133.87	0.00
Beals & Salt Valley	B4-473	159071.70	204979.30	1168.09	1150.89	1168.77	0.00
Beals & Salt Valley	B4-474	158995.68	204979.71	1165.35	1150.84	1168.77	0.00
Beals & Salt Valley	B4-492	156450.38	205222.14	1148.33	1133.33	1133.61	0.00
Beals & Salt Valley	B4-503	158588.34	204981.91	1191.30	1179.30	1179.30	0.00
Beals & Salt Valley	B4-510	159992.46	205138.28	1170.53	1154.63	1168.88	2.39
Beals & Salt Valley	B4-511	159991.39	204926.25	1165.90	1153.90	1168.85	0.00
Beals & Salt Valley	B4-512	159604.43	204928.35	1168.58	1153.08	1168.81	0.00
Beals & Salt Valley	B4-513	159364.78	204929.64	1168.60	1151.90	1168.79	0.00
Beals & Salt Valley	B4-57	156352.54	200311.62	1151.40	1141.40	1141.40	0.00
Beals & Salt Valley	B4-589	156450.02	205163.69	1148.38	1133.38	1133.66	0.00
Beals & Salt Valley	B4-594	156347.82	200906.47	1150.45	1140.15	1140.15	0.00
Beals & Salt Valley	B4-60	155886.67	200297.81	1146.96	1136.96	1138.63	0.00
Beals & Salt Valley	B4-605	156351.72	201710.14	1150.55	1140.25	1140.25	0.00
Beals & Salt Valley	B4-609	155889.07	201704.11	1153.10	1135.47	1137.73	0.00
Beals & Salt Valley	B4-636	156353.62	200547.71	1151.12	1140.82	1140.82	0.00
Beals & Salt Valley	B4-637	157084.90	204973.25	1151.28	1137.48	1137.48	0.00
Beals & Salt Valley	B4-638	157381.74	204971.95	1150.93	1138.43	1138.43	0.00
Beals & Salt Valley	B4-639	157756.83	204969.67	1150.28	1139.63	1139.63	0.00

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Beals & Salt Valley	B4-640	158138.88	204956.64	1154.04	1142.04	1142.04	0.00
Beals & Salt Valley	B4-641	158117.78	204969.93	1152.48	1141.98	1141.98	0.00
Beals & Salt Valley	B4-658	156848.22	204983.81	1147.75	1136.75	1136.75	0.00
Beals & Salt Valley	B4-678	156352.12	201790.27	1148.80	1140.20	1140.20	0.00
Beals & Salt Valley	B4-69	156354.44	200710.48	1149.84	1140.84	1140.84	0.00
Beals & Salt Valley	B4-690	156351.89	200078.78	1151.98	1141.98	1141.98	0.00
Beals & Salt Valley	B4-693	159669.16	204928.00	1170.40	1153.40	1168.82	0.00
Beals & Salt Valley	B4-696	157590.58	204970.32	1151.85	1139.85	1139.85	0.00
Beals & Salt Valley	B4-710	156463.64	204984.21	1147.76	1133.66	1133.66	0.00
Beals & Salt Valley	B4-736	156320.04	200836.46	1151.28	1130.69	1133.43	2.88
Beals & Salt Valley	B4-738	156323.91	201660.92	1151.28	1129.96	1132.78	0.00
Beals & Salt Valley	B4-739	156327.83	202484.91	1151.18	1129.22	1132.20	0.00
Beals & Salt Valley	B4-741	156331.27	203335.11	1141.31	1128.29	1131.75	0.00
Beals & Salt Valley	B4-742	156363.72	204475.34	1146.40	1133.40	1133.86	0.00
Beals & Salt Valley	B4-743	156343.81	204469.29	1140.15	1127.02	1131.37	16.36
Beals & Salt Valley	B4-XX1	156355.79	202519.45	1149.54	1139.54	1139.54	0.00
Beals & Salt Valley	B4-XX2	156356.01	202568.67	1148.91	1139.51	1139.51	0.00
Beals & Salt Valley	B5-121	156370.44	206264.23	1143.92	1132.52	1132.80	0.00
Beals & Salt Valley	B5-122	156372.09	206690.90	1142.68	1132.18	1132.42	0.00
Beals & Salt Valley	B5-160	156431.98	207936.23	1146.45	1130.93	1131.30	0.81
Beals & Salt Valley	B5-274	156712.69	208535.49	1144.48	1130.68	1130.68	0.00
Beals & Salt Valley	B5-275	156995.16	209116.40	1153.15	1129.94	1129.94	0.00
Beals & Salt Valley	B5-327	157292.60	209710.00	1149.30	1129.90	1129.90	0.00
Beals & Salt Valley	B5-328	157539.96	209824.34	1145.70	1129.70	1129.70	0.00
Beals & Salt Valley	B5-329	157496.20	209768.73	1144.64	1129.74	1129.74	0.00
Beals & Salt Valley	B5-361	157572.50	210284.34	1145.84	1129.14	1129.14	0.00
Beals & Salt Valley	B5-362	157521.53	210179.36	1148.19	1129.49	1129.49	0.00
Beals & Salt Valley	B5-476	156813.35	205417.31	1150.40	1136.90	1136.90	0.00
Beals & Salt Valley	B5-477	156814.83	205805.43	1149.14	1136.14	1136.14	0.00
Beals & Salt Valley	B5-478	156815.50	205980.48	1149.56	1136.56	1136.56	0.00
Beals & Salt Valley	B5-479	156825.85	206334.03	1148.51	1134.41	1134.41	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface Elevation (ft)	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	B5-480	156773.40	206409.13	1147.73	1136.83	1136.83	0.00
Beals & Salt Valley	B5-485	162052.10	210549.15	1151.32	1127.72	1130.36	0.00
Beals & Salt Valley	B5-49	157215.57	205616.87	1147.20	1139.70	1139.70	0.00
Beals & Salt Valley	B5-503	157052.38	206349.30	1149.63	1136.83	1136.83	0.00
Beals & Salt Valley	B5-512	157210.45	205414.94	1150.72	1139.92	1139.92	0.00
Beals & Salt Valley	B5-535	156715.72	206628.75	1144.53	1135.63	1135.63	0.00
Beals & Salt Valley	B5-548	156545.55	208179.25	1145.10	1131.20	1131.20	0.00
Beals & Salt Valley	B5-554	157222.32	205883.14	1146.32	1139.32	1139.32	0.00
Beals & Salt Valley	B5-565	157324.44	209773.74	1144.64	1129.84	1129.84	0.00
Beals & Salt Valley	B5-57	156368.74	205805.65	1142.66	1132.86	1133.14	0.00
Beals & Salt Valley	B5-596	156746.16	208598.15	1149.45	1130.38	1130.38	0.00
Beals & Salt Valley	B5-597	156591.91	208935.00	1151.85	1130.18	1130.18	0.00
Beals & Salt Valley	B5-601	156499.42	208085.62	1146.05	1130.53	1130.79	0.00
Beals & Salt Valley	B5-602	156092.92	208301.44	1145.35	1125.80	1129.98	0.00
Beals & Salt Valley	B5-603	156284.12	209127.18	1147.58	1125.54	1129.64	0.00
Beals & Salt Valley	B5-604	156674.89	209817.85	1144.45	1125.13	1129.32	0.00
Beals & Salt Valley	B5-605	157243.21	210340.83	1141.00	1124.87	1129.02	0.00
Beals & Salt Valley	B5-61	157228.76	206138.28	1146.32	1139.32	1139.32	0.00
Beals & Salt Valley	B5-614	156352.67	205426.40	1150.32	1126.74	1131.06	0.00
Beals & Salt Valley	B5-616	156344.89	205801.10	1144.57	1126.61	1130.94	0.16
Beals & Salt Valley	B5-617	156348.46	206561.96	1141.88	1126.41	1130.67	0.00
Beals & Salt Valley	B5-618	156357.37	207393.89	1145.54	1126.10	1130.37	0.00
Beals & Salt Valley	B5-619	155997.23	207797.12	1144.71	1125.93	1130.18	0.00
Beals & Salt Valley	B5-62	157222.58	206198.55	1146.72	1136.42	1136.42	0.00
Beals & Salt Valley	B5-639	161086.49	210492.12	1144.20	1129.70	1130.10	0.00
Beals & Salt Valley	B5-676	156813.81	205065.68	1147.55	1137.05	1137.05	0.00
Beals & Salt Valley	B5-677	156812.26	205116.70	1146.98	1136.98	1136.98	0.00
Beals & Salt Valley	B5-X40	156374.24	207272.63	1142.40	1131.40	1131.69	0.00
Beals & Salt Valley	B6-100	163625.87	214369.02	1146.30	1123.00	1124.83	0.00
Beals & Salt Valley	B6-102	163895.78	214142.08	1145.94	1130.04	1131.31	0.00
Beals & Salt Valley	B6-103	163769.70	214149.26	1146.25	1129.96	1131.11	0.89

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		X-Coord	Y-Coord				
Beals & Salt Valley	B6-105	164018.62	213932.83	1145.38	1124.58	1126.19	0.00
Beals & Salt Valley	B6-106	164338.43	214139.98	1160.58	1130.29	1131.74	0.00
Beals & Salt Valley	B6-108	164411.04	213933.31	1143.94	1124.94	1126.87	0.00
Beals & Salt Valley	B6-110	164802.06	214137.83	1161.10	1130.55	1132.08	0.00
Beals & Salt Valley	B6-111	164845.93	213936.64	1143.21	1125.31	1127.35	0.00
Beals & Salt Valley	B6-115	165319.82	213938.88	1143.60	1125.67	1127.68	0.00
Beals & Salt Valley	B6-117	165245.42	214137.73	1161.60	1130.80	1132.37	0.00
Beals & Salt Valley	B6-20	161457.34	211013.98	1147.72	1137.32	1137.32	0.00
Beals & Salt Valley	B6-243	159988.24	211491.23	1145.24	1126.84	1127.16	0.00
Beals & Salt Valley	B6-246	161311.64	211864.18	1143.30	1125.30	1127.54	0.00
Beals & Salt Valley	B6-265	158550.58	213910.57	1145.72	1130.44	1132.97	0.00
Beals & Salt Valley	B6-266	158457.51	214106.67	1145.36	1132.51	1133.44	0.68
Beals & Salt Valley	B6-267	158361.20	214518.12	1148.52	1133.00	1134.41	0.00
Beals & Salt Valley	B6-268	158248.49	214799.75	1147.64	1133.64	1134.93	0.00
Beals & Salt Valley	B6-269	158224.18	215233.67	1149.30	1134.55	1135.81	0.00
Beals & Salt Valley	B6-270	158226.04	215666.82	1149.55	1135.43	1136.68	0.00
Beals & Salt Valley	B6-271	158183.18	215998.20	1152.50	1136.14	1137.39	1.72
Beals & Salt Valley	B6-274	165265.60	213938.38	1142.81	1125.31	1127.69	0.00
Beals & Salt Valley	B6-278	158304.05	213303.59	1146.50	1131.39	1133.61	0.00
Beals & Salt Valley	B6-279	158361.09	213732.81	1146.50	1131.14	1133.12	0.00
Beals & Salt Valley	B6-280	158349.17	213854.11	1146.29	1130.58	1133.10	0.60
Beals & Salt Valley	B6-281	159068.79	213901.91	1146.88	1130.14	1132.12	0.00
Beals & Salt Valley	B6-282	159187.73	213901.15	1146.98	1129.73	1131.83	0.00
Beals & Salt Valley	B6-283	159299.03	213986.17	1149.11	1129.11	1131.66	0.00
Beals & Salt Valley	B6-284	159751.56	214066.63	1147.50	1128.69	1131.14	0.30
Beals & Salt Valley	B6-285	159912.06	214172.27	1148.47	1128.39	1130.84	0.00
Beals & Salt Valley	B6-286	160589.54	214415.00	1146.04	1127.39	1129.94	0.00
Beals & Salt Valley	B6-287	160958.73	214667.58	1144.72	1126.91	1129.39	0.00
Beals & Salt Valley	B6-288	161486.09	214660.78	1145.15	1126.35	1128.63	0.00
Beals & Salt Valley	B6-289	161954.41	214651.67	1144.15	1125.35	1127.98	1.50
Beals & Salt Valley	B6-293	162426.39	214635.84	1145.38	1125.14	1127.19	0.00

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		X-Coord	Y-Coord				
Beals & Salt Valley	B6-294	162819.31	214721.64	1144.59	1124.09	1126.16	0.00
Beals & Salt Valley	B6-2941	163359.06	214923.15	1145.50	1122.50	1123.91	0.00
Beals & Salt Valley	B6-2942	163480.40	214558.95	1144.50	1121.50	1123.28	0.00
Beals & Salt Valley	B6-296	163531.03	214440.78	1143.52	1120.62	1123.05	0.00
Beals & Salt Valley	B6-30	158418.58	211281.06	1144.59	1128.09	1128.41	0.51
Beals & Salt Valley	B6-31	159010.20	211487.87	1145.59	1127.59	1127.90	0.00
Beals & Salt Valley	B6-318	157750.89	213309.44	1147.71	1131.67	1134.04	0.00
Beals & Salt Valley	B6-319	157693.07	213275.94	1148.56	1131.78	1134.08	0.00
Beals & Salt Valley	B6-32	159638.63	211490.07	1145.29	1127.09	1127.41	0.00
Beals & Salt Valley	B6-320	157635.31	212918.57	1150.65	1131.91	1134.35	0.00
Beals & Salt Valley	B6-321	157591.30	212869.49	1149.58	1132.04	1134.39	0.00
Beals & Salt Valley	B6-322	157291.66	212857.61	1149.72	1132.11	1134.62	0.00
Beals & Salt Valley	B6-323	156794.87	212650.63	1148.00	1132.57	1134.97	0.00
Beals & Salt Valley	B6-324	156193.24	212532.63	1146.37	1133.01	1135.26	0.00
Beals & Salt Valley	B6-325	155698.52	212397.82	1146.85	1133.03	1135.54	0.00
Beals & Salt Valley	B6-326	155144.01	212252.70	1147.83	1133.49	1135.80	0.00
Beals & Salt Valley	B6-327	156458.41	212987.29	1147.94	1136.82	1137.46	0.00
Beals & Salt Valley	B6-328	156301.93	213301.14	1146.00	1137.34	1138.45	0.00
Beals & Salt Valley	B6-33	160263.62	211492.20	1146.53	1126.63	1126.90	0.00
Beals & Salt Valley	B6-330	155880.56	213292.02	1146.00	1137.96	1139.11	0.00
Beals & Salt Valley	B6-331	155435.97	213282.70	1148.00	1138.47	1139.70	3.80
Beals & Salt Valley	B6-339	161349.17	211689.56	1145.90	1125.67	1128.20	0.00
Beals & Salt Valley	B6-34	160662.71	211668.00	1146.25	1125.84	1126.47	0.00
Beals & Salt Valley	B6-340	161479.02	211725.67	1146.20	1125.85	1128.42	0.00
Beals & Salt Valley	B6-341	161662.67	211330.49	1148.40	1126.41	1129.08	2.67
Beals & Salt Valley	B6-342	161808.86	211038.73	1157.70	1126.86	1129.52	0.00
Beals & Salt Valley	B6-343	161807.02	210815.35	1153.63	1127.28	1129.90	0.00
Beals & Salt Valley	B6-344	161262.93	211813.89	1147.35	1125.55	1128.03	0.00
Beals & Salt Valley	B6-357	158003.01	210800.89	1141.12	1128.62	1128.62	0.00
Beals & Salt Valley	B6-371	160652.98	211724.15	3149.85	1125.85	1126.43	0.00
Beals & Salt Valley	B6-373	160566.79	212704.82	1149.00	1123.00	1125.74	0.00

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		X-Coord	Y-Coord				
Beals & Salt Valley	B6-374	160821.46	212699.31	1143.50	1123.00	1125.30	0.00
Beals & Salt Valley	B6-375	161011.14	212972.84	1146.17	1121.08	1125.13	0.00
Beals & Salt Valley	B6-376	161666.81	213240.99	1147.84	1120.95	1124.78	0.00
Beals & Salt Valley	B6-377	162618.37	213620.27	1146.36	1120.47	1124.20	0.00
Beals & Salt Valley	B6-378	163305.34	214168.32	1148.02	1120.23	1123.59	0.00
Beals & Salt Valley	B6-382	164505.45	213933.72	1143.21	1125.00	1126.99	0.00
Beals & Salt Valley	B6-384	157709.13	210758.85	1144.75	1124.73	1128.75	0.00
Beals & Salt Valley	B6-385	158335.72	211257.32	1144.55	1124.54	1128.37	0.00
Beals & Salt Valley	B6-386	158966.89	211825.63	1144.95	1124.34	1127.86	0.00
Beals & Salt Valley	B6-387	159479.83	212076.58	1147.65	1124.07	1127.43	0.00
Beals & Salt Valley	B6-388	159869.50	212264.41	1149.85	1123.86	1127.05	0.00
Beals & Salt Valley	B6-389	160466.99	212659.31	1149.25	1123.61	1126.00	0.00
Beals & Salt Valley	B6-392	160800.37	210984.44	1140.97	1128.56	1128.97	0.00
Beals & Salt Valley	B6-394	160764.71	211050.45	1140.35	1128.38	1128.83	0.20
Beals & Salt Valley	B6-395	160699.95	211228.59	1141.17	1128.01	1128.36	0.00
Beals & Salt Valley	B6-66	161371.09	212492.96	1145.94	1124.14	1127.05	0.00
Beals & Salt Valley	B6-72	160559.38	212213.62	1148.29	1125.48	1125.85	0.00
Beals & Salt Valley	B6-87	161738.96	212931.29	1145.72	1123.92	1126.77	0.00
Beals & Salt Valley	B6-89	162246.76	213326.96	1145.97	1123.67	1126.44	0.00
Beals & Salt Valley	B6-90	162775.05	213748.12	1141.61	1123.41	1126.04	0.00
Beals & Salt Valley	B6-91	163499.28	214412.93	1143.13	1120.20	1123.24	0.00
Beals & Salt Valley	B6-94	163339.10	214169.13	1144.35	1123.15	1125.43	0.00
Beals & Salt Valley	B6-98	163657.14	214231.82	1144.98	1129.89	1130.47	0.00
Beals & Salt Valley	C0-119	176017.16	184008.93	1237.34	1216.04	1216.04	0.00
Beals & Salt Valley	C0-119-2	175949.95	184017.54	1235.73	1216.23	1216.23	0.00
Beals & Salt Valley	C0-120	176140.13	183753.17	1236.77	1217.17	1217.17	0.00
Beals & Salt Valley	C0-120-2	176038.85	183753.44	1236.77	1217.17	1217.17	0.00
Beals & Salt Valley	C0-121	176139.54	183250.95	1236.76	1219.16	1219.16	0.00
Beals & Salt Valley	C0-121-2	176054.54	183251.39	1236.76	1219.16	1219.16	0.00
Beals & Salt Valley	C0-122	176138.95	182751.07	1240.53	1220.83	1220.83	0.00
Beals & Salt Valley	C0-122-2	176051.93	182757.18	1240.53	1220.83	1220.83	0.00

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Beals & Salt Valley	C0-123	176138.62	182471.35	1240.15	1222.25	1222.25	0.00
Beals & Salt Valley	C0-123-2	176049.31	182474.77	1240.15	1222.25	1222.25	0.00
Beals & Salt Valley	C0-124	176138.23	182140.26	1241.19	1225.39	1225.39	0.00
Beals & Salt Valley	C0-124-2	176067.62	182142.68	1241.19	1225.39	1225.39	0.00
Beals & Salt Valley	C0-220	167269.10	183021.10	1210.00	1201.00	1202.10	0.00
Beals & Salt Valley	C0-221	167539.52	182810.28	1210.00	1201.44	1202.58	0.00
Beals & Salt Valley	C0-222	167963.01	182743.17	1210.06	1201.96	1203.12	0.00
Beals & Salt Valley	C0-223	168237.00	182721.19	1212.60	1202.30	1203.46	0.00
Beals & Salt Valley	C0-226	170127.86	182373.26	1227.55	1213.57	1214.18	4.31
Beals & Salt Valley	C0-227	169730.92	182463.06	1225.00	1210.07	1210.76	0.00
Beals & Salt Valley	C0-228	169398.77	182526.35	1222.50	1207.74	1208.51	0.00
Beals & Salt Valley	C0-229	169075.39	182580.58	1220.30	1206.23	1207.20	0.00
Beals & Salt Valley	C0-230	168658.60	182650.48	1219.50	1204.29	1205.06	0.00
Beals & Salt Valley	C0-43	167052.46	183988.27	1210.97	1191.97	1193.19	0.00
Beals & Salt Valley	C0-44	166971.16	183913.37	1202.88	1192.88	1193.58	0.00
Beals & Salt Valley	C0-511	168898.59	182611.19	1221.11	1205.91	1206.61	0.00
Beals & Salt Valley	C0-67	167038.36	184101.97	1206.02	1191.92	1193.04	0.00
Beals & Salt Valley	C0-96	167130.34	183326.22	1212.12	1200.63	1201.17	0.00
Beals & Salt Valley	C0-97	166980.62	183670.07	1207.73	1193.93	1194.74	0.00
Beals & Salt Valley	C1-101	169059.38	188315.78	1206.49	1186.49	1187.86	0.32
Beals & Salt Valley	C1-101-2	169041.92	188291.13	1206.49	1186.49	1187.72	0.00
Beals & Salt Valley	C1-12	175719.24	184713.03	1232.77	1211.57	1212.45	0.00
Beals & Salt Valley	C1-12-2	175679.15	184662.86	1232.77	1211.57	1212.48	0.00
Beals & Salt Valley	C1-13	175296.18	184887.19	1229.91	1209.51	1210.39	0.00
Beals & Salt Valley	C1-13-2	175257.64	184816.52	1229.91	1209.51	1210.43	0.00
Beals & Salt Valley	C1-14	174877.20	185059.77	1226.77	1207.47	1208.46	1.31
Beals & Salt Valley	C1-14-2	174833.03	185001.75	1226.77	1207.47	1208.45	0.00
Beals & Salt Valley	C1-15	174451.31	185234.62	1229.05	1205.85	1206.89	0.00
Beals & Salt Valley	C1-15-2	174411.27	185184.14	1229.05	1205.85	1206.88	0.00
Beals & Salt Valley	C1-16	174056.17	185406.26	1224.82	1204.52	1205.57	0.00
Beals & Salt Valley	C1-16-2	173998.05	185346.57	1224.82	1204.52	1205.55	0.00

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Beals & Salt Valley	C1-17	173650.88	185575.67	1223.01	1203.21	1204.30	0.00
Beals & Salt Valley	C1-17-2	173596.86	185511.86	1223.01	1203.21	1204.30	1.12
Beals & Salt Valley	C1-186	168710.66	188403.01	1203.22	1185.42	1186.61	0.00
Beals & Salt Valley	C1-186-2	168690.24	188370.61	1203.22	1185.42	1186.49	0.00
Beals & Salt Valley	C1-188	168245.92	188458.27	1203.70	1183.70	1185.02	0.65
Beals & Salt Valley	C1-188-2	168225.31	188433.59	1203.70	1183.70	1184.85	0.00
Beals & Salt Valley	C1-19	173349.08	185695.84	1220.82	1202.22	1203.35	0.47
Beals & Salt Valley	C1-190	167831.11	188520.88	1199.51	1182.31	1183.19	0.00
Beals & Salt Valley	C1-190-2	167805.98	188480.72	1199.51	1182.31	1183.09	0.00
Beals & Salt Valley	C1-191	167434.59	188573.45	1198.31	1181.11	1182.12	0.00
Beals & Salt Valley	C1-191-2	167426.99	188537.32	1198.31	1181.11	1181.99	0.00
Beals & Salt Valley	C1-19-2	173298.97	185650.12	1220.82	1202.22	1203.32	0.00
Beals & Salt Valley	C1-193	166957.15	188629.43	1195.64	1179.64	1180.90	0.20
Beals & Salt Valley	C1-193-2	166945.40	188605.86	1195.64	1179.64	1180.72	0.00
Beals & Salt Valley	C1-195	166446.62	188714.72	1193.61	1177.91	1179.23	0.00
Beals & Salt Valley	C1-195-2	166441.57	188670.69	1193.61	1177.91	1179.05	0.00
Beals & Salt Valley	C1-197	165957.20	188780.49	1192.61	1176.21	1177.20	0.00
Beals & Salt Valley	C1-197-2	165947.00	188748.49	1192.61	1176.21	1177.09	0.00
Beals & Salt Valley	C1-2	176102.47	184240.70	1241.57	1214.97	1214.97	0.00
Beals & Salt Valley	C1-3	176105.43	184515.97	1238.06	1213.46	1214.37	8.97
Beals & Salt Valley	C1-36	172946.77	185865.32	1215.92	1200.92	1202.05	0.00
Beals & Salt Valley	C1-36-2	172896.24	185813.93	1215.92	1200.92	1202.01	0.00
Beals & Salt Valley	C1-37	172531.96	186035.85	1214.87	1199.57	1200.70	0.00
Beals & Salt Valley	C1-37-2	172494.93	185986.87	1214.87	1199.57	1200.67	0.00
Beals & Salt Valley	C1-38	172115.31	186207.15	1214.82	1198.22	1199.35	0.00
Beals & Salt Valley	C1-38-2	172082.84	186161.61	1214.82	1198.22	1199.31	0.00
Beals & Salt Valley	C1-382	165966.25	187896.82	1190.25	1180.29	1180.93	0.00
Beals & Salt Valley	C1-39	171695.29	186385.80	1214.87	1196.87	1198.00	0.00
Beals & Salt Valley	C1-391	166302.52	187436.08	1192.00	1181.03	1182.09	0.00
Beals & Salt Valley	C1-39-2	171675.01	186335.37	1214.87	1196.87	1197.97	0.00
Beals & Salt Valley	C1-396	166637.77	186971.04	1195.50	1181.49	1182.66	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface Elevation (ft)	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	C1-40	171277.71	186557.48	1215.11	1195.51	1196.65	0.00
Beals & Salt Valley	C1-40-2	171256.91	186521.35	1215.11	1195.51	1196.60	0.00
Beals & Salt Valley	C1-402	166734.98	186484.25	1194.90	1182.50	1183.44	0.00
Beals & Salt Valley	C1-41	171020.56	186738.92	1214.47	1194.57	1195.74	0.00
Beals & Salt Valley	C1-41-2	170990.85	186674.74	1214.47	1194.57	1195.69	0.00
Beals & Salt Valley	C1-412	166732.57	186126.05	1198.40	1182.84	1183.91	0.00
Beals & Salt Valley	C1-42	170865.15	186685.25	1213.96	1194.16	1195.29	0.00
Beals & Salt Valley	C1-42-2	170866.23	186633.36	1213.96	1194.16	1195.32	0.66
Beals & Salt Valley	C1-43	170511.57	187073.83	1214.03	1192.58	1193.71	0.00
Beals & Salt Valley	C1-43-2	170490.21	187041.26	1214.03	1192.58	1193.77	0.29
Beals & Salt Valley	C1-44	170184.27	187432.53	1213.16	1191.11	1192.33	1.21
Beals & Salt Valley	C1-44-2	170153.31	187411.94	1213.16	1191.11	1192.33	0.00
Beals & Salt Valley	C1-444	166928.82	185814.51	1200.70	1184.50	1185.29	0.00
Beals & Salt Valley	C1-445	166994.65	185032.49	1203.00	1188.00	1188.75	0.00
Beals & Salt Valley	C1-446	167014.00	184594.17	1204.14	1189.84	1190.59	0.00
Beals & Salt Valley	C1-461	167102.18	185461.48	1202.70	1186.20	1186.95	0.00
Beals & Salt Valley	C1-482	166828.11	185886.74	1200.74	1184.14	1184.83	0.00
Beals & Salt Valley	C1-539	167045.70	184290.48	1208.60	1192.10	1192.72	0.00
Beals & Salt Valley	C1-542	165591.44	188463.79	1189.50	1176.80	1177.52	0.00
Beals & Salt Valley	C1-543	165602.23	188315.24	1190.40	1177.80	1178.50	0.00
Beals & Salt Valley	C1-544	165602.24	188140.74	1190.70	1178.10	1179.08	0.00
Beals & Salt Valley	C1-545	165605.72	187884.22	1192.37	1178.67	1179.65	3.58
Beals & Salt Valley	C1-561	165628.04	187896.82	1191.07	1178.07	1179.65	2.44
Beals & Salt Valley	C1-562	165625.51	188561.41	1189.61	1176.11	1177.11	0.00
Beals & Salt Valley	C1-564	176059.78	184196.18	1240.20	1215.20	1215.20	0.00
Beals & Salt Valley	C1-564-2	176014.56	184198.17	1240.20	1215.20	1215.20	0.00
Beals & Salt Valley	C1-565	176016.29	184557.60	1234.34	1212.34	1213.49	0.00
Beals & Salt Valley	C1-565-2	175948.77	184505.03	1234.34	1212.34	1213.46	2.90
Beals & Salt Valley	C1-569	165706.42	188809.32	1193.96	1174.16	1175.45	0.00
Beals & Salt Valley	C1-569-2	165702.50	188781.83	1193.96	1174.60	1175.54	0.00
Beals & Salt Valley	C1-570	165617.71	188890.85	1193.88	1173.73	1175.05	0.00

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Beals & Salt Valley	C1-92	169912.34	187753.86	1215.91	1189.86	1191.08	0.00
Beals & Salt Valley	C1-92-2	169877.32	187731.73	1215.91	1189.86	1191.09	0.00
Beals & Salt Valley	C1-99	169543.59	188070.28	1211.63	1188.38	1189.65	1.22
Beals & Salt Valley	C1-99-2	169519.82	188050.33	1211.63	1188.38	1189.54	0.00
Beals & Salt Valley	D0-148	177495.57	181404.89	1254.20	1239.67	1239.67	0.00
Beals & Salt Valley	D0-148-2	177481.98	181377.83	1254.20	1239.67	1239.67	0.00
Beals & Salt Valley	D0-149	177880.51	180944.65	1253.80	1239.47	1239.47	0.00
Beals & Salt Valley	D0-149-2	177845.03	180930.15	1253.80	1239.47	1239.47	0.00
Beals & Salt Valley	D0-150	178017.52	180353.39	1257.30	1241.30	1241.30	0.00
Beals & Salt Valley	D0-150-2	177974.21	180353.29	1257.30	1241.30	1241.30	0.00
Beals & Salt Valley	D0-164	178061.28	180189.28	1257.85	1242.10	1242.10	0.00
Beals & Salt Valley	D0-164-2	178034.34	180168.43	1257.85	1242.10	1242.10	0.00
Beals & Salt Valley	D0-165	178408.96	179991.48	1259.64	1243.40	1243.40	0.00
Beals & Salt Valley	D0-165-2	178390.70	179956.84	1259.64	1243.40	1243.40	0.00
Beals & Salt Valley	D0-166	178739.76	179705.55	1263.85	1244.84	1244.84	0.00
Beals & Salt Valley	D0-166-2	178706.97	179682.67	1263.85	1244.84	1244.84	0.00
Beals & Salt Valley	D0-167	178961.84	179310.64	1262.10	1246.31	1246.31	0.00
Beals & Salt Valley	D0-167-2	178936.03	179300.61	1262.10	1246.31	1246.31	0.00
Beals & Salt Valley	D0-168	179138.22	178873.41	1265.03	1247.85	1247.85	0.00
Beals & Salt Valley	D0-168-2	179122.87	178795.78	1265.03	1247.85	1247.85	0.00
Beals & Salt Valley	D0-60	177199.49	181619.78	1247.39	1231.14	1231.14	0.00
Beals & Salt Valley	D0-60-2	177161.26	181598.33	1247.39	1231.14	1231.14	0.00
Beals & Salt Valley	D0-61	176801.73	181665.45	1247.00	1228.60	1228.60	0.00
Beals & Salt Valley	D0-61-2	176789.99	181636.59	1247.00	1228.60	1228.60	0.00
Beals & Salt Valley	D0-62	176421.76	181708.61	1241.30	1226.31	1226.31	0.00
Beals & Salt Valley	D0-62-2	176408.79	181681.48	1241.30	1226.31	1226.31	0.00
Beals & Salt Valley	WWTP	163948.73	214544.78	1149.99	1119.99	1122.40	0.00
Antelope Creek	B4-12	163287.37	204698.74	1159.58	1142.38	1144.22	0.00
Antelope Creek	B4-302	164511.13	203040.25	1165.46	1151.10	1151.10	0.00
Antelope Creek	B4-359	164322.57	203294.90	1161.17	1150.00	1150.00	0.00
Antelope Creek	B4-486	163303.17	204642.02	1159.51	1142.50	1144.27	3.53

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		X-Coord	Y-Coord				
Antelope Creek	B4-487	163455.33	204566.83	1158.77	1142.77	1144.67	0.00
Antelope Creek	B4-5	163302.07	205152.42	1158.71	1147.20	1147.20	0.00
Antelope Creek	B4-527	163646.31	204566.38	1162.06	1143.00	1145.04	0.00
Antelope Creek	B4-536	163300.73	204934.56	1157.98	1147.80	1147.80	0.00
Antelope Creek	B4-544	163729.77	204428.09	1162.01	1143.30	1145.36	0.00
Antelope Creek	B4-547	163981.88	204012.72	1164.03	1144.00	1146.09	0.00
Antelope Creek	B4-565	164295.42	203384.50	1161.08	1145.00	1147.14	0.00
Antelope Creek	B4-566	164239.13	203253.34	1166.29	1145.20	1147.35	0.00
Antelope Creek	B4-567	164509.78	202832.89	1153.03	1146.00	1148.09	0.00
Antelope Creek	B4-568	164689.06	202464.90	1168.97	1149.40	1150.72	0.00
Antelope Creek	B4-569	164851.93	202254.67	1169.82	1150.02	1152.14	0.00
Antelope Creek	B4-570	165146.94	201905.40	1169.99	1151.30	1153.22	0.00
Antelope Creek	B4-571	165341.72	201697.36	1170.75	1152.20	1154.12	0.00
Antelope Creek	B4-572	165509.50	201539.44	1172.94	1152.90	1154.77	0.00
Antelope Creek	B4-576	164165.68	203649.49	1164.64	1144.60	1146.70	0.00
Antelope Creek	B4-584	164512.43	203293.80	1169.34	1150.70	1150.70	0.00
Antelope Creek	B4-586	164339.75	203294.99	1166.08	1150.00	1150.00	0.00
Antelope Creek	B4-587	164435.64	203294.45	1169.34	1150.70	1150.70	0.00
Antelope Creek	B4-6	163289.37	205118.42	1158.54	1141.94	1143.79	0.00
Antelope Creek	B4-650	163300.73	204804.25	1159.02	1148.10	1148.10	0.00
Antelope Creek	B4-684	162895.42	205263.67	1158.74	1141.30	1143.01	0.00
Antelope Creek	B4-685	163002.42	204935.35	1159.02	1141.90	1143.56	0.00
Antelope Creek	B4-686	163231.29	204660.63	1159.51	1142.50	1144.14	0.00
Antelope Creek	B4-687	163261.27	204633.70	1160.10	1142.60	1144.24	0.00
Antelope Creek	B4-688	163288.03	204779.60	1149.18	1142.29	1144.13	0.00
Antelope Creek	B4-7	163275.34	205151.16	1158.71	1141.90	1143.76	0.00
Antelope Creek	B4-ADD	164713.37	202762.11	1164.25	1153.20	1153.20	0.00
Antelope Creek	B5-139	163188.90	206565.68	1152.48	1138.84	1139.99	0.00
Antelope Creek	B5-148	162939.74	206755.75	1154.45	1139.40	1139.40	0.00
Antelope Creek	B5-17	162936.30	206588.31	1152.00	1139.60	1139.60	0.00
Antelope Creek	B5-211	162536.46	207980.37	1151.64	1137.10	1137.10	0.00

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Antelope Creek	B5-212	162138.35	207983.56	1150.98	1136.20	1136.20	0.00
Antelope Creek	B5-236	161873.12	208732.38	1150.04	1134.50	1134.50	0.00
Antelope Creek	B5-237	162081.25	208492.27	1148.10	1135.40	1135.40	0.00
Antelope Creek	B5-267	161874.73	208940.52	1148.90	1134.10	1134.10	0.00
Antelope Creek	B5-287	161330.16	209319.64	1147.60	1132.60	1132.60	0.00
Antelope Creek	B5-289	161370.42	209233.71	1147.89	1132.70	1132.70	0.00
Antelope Creek	B5-291	161696.74	208980.51	1150.10	1133.70	1133.70	0.00
Antelope Creek	B5-317	161144.76	209715.36	1148.44	1131.60	1131.60	0.00
Antelope Creek	B5-486	162313.15	210547.82	1155.80	1128.00	1130.69	0.00
Antelope Creek	B5-487	162312.84	210253.86	1150.00	1128.40	1131.07	0.00
Antelope Creek	B5-488	162312.57	209984.13	1149.00	1128.70	1131.41	0.00
Antelope Creek	B5-489	162716.99	209981.61	1149.40	1129.30	1131.94	0.00
Antelope Creek	B5-490	163144.15	209975.04	1149.90	1129.80	1132.49	0.00
Antelope Creek	B5-491	163142.90	209647.07	1149.37	1130.20	1132.90	0.00
Antelope Creek	B5-492	163141.59	209302.74	1149.10	1130.70	1133.34	0.00
Antelope Creek	B5-493	163468.98	209298.35	1150.70	1131.14	1133.76	0.00
Antelope Creek	B5-494	163467.84	208955.83	1154.60	1131.58	1134.20	0.00
Antelope Creek	B5-495	163466.80	208642.33	1150.88	1131.98	1134.61	0.00
Antelope Creek	B5-496	163474.04	208330.95	1153.60	1132.38	1135.01	0.00
Antelope Creek	B5-498	163473.03	208026.14	1139.78	1132.94	1135.40	0.00
Antelope Creek	B5-500	163465.55	207814.62	1168.06	1133.05	1135.72	0.02
Antelope Creek	B5-508	163468.15	209046.30	1149.46	1131.46	1134.09	0.00
Antelope Creek	B5-515	163460.07	207454.17	1152.07	1134.41	1136.68	0.00
Antelope Creek	B5-516	163458.65	207100.82	1152.41	1135.72	1137.62	0.00
Antelope Creek	B5-517	163465.49	206753.90	1153.32	1136.47	1138.58	0.00
Antelope Creek	B5-520	163185.43	206367.46	1155.04	1139.04	1140.83	0.00
Antelope Creek	B5-522	163183.43	205955.08	1155.38	1139.70	1141.83	0.00
Antelope Creek	B5-524	163182.55	205553.84	1157.43	1140.40	1142.22	0.00
Antelope Creek	B5-526	163181.97	205423.68	1159.23	1140.63	1142.37	0.00
Antelope Creek	B5-527	163141.86	205383.93	1158.62	1140.70	1142.44	0.00
Antelope Creek	B5-528	163140.78	205277.88	1157.65	1141.10	1142.82	0.00

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		X-Coord	Y-Coord				
Antelope Creek	B5-531	163213.73	205390.27	1158.66	1141.60	1143.35	0.00
Antelope Creek	B5-532	163304.36	205384.88	1159.12	1146.20	1146.20	0.00
Antelope Creek	B5-533	163303.98	205364.01	1158.77	1146.00	1146.00	0.00
Antelope Creek	B5-547	161192.23	209614.04	1145.98	1131.90	1131.90	0.00
Antelope Creek	B5-620	162940.29	206893.15	1152.25	1139.30	1139.30	0.00
Antelope Creek	B5-621	162854.21	207055.35	1153.92	1139.10	1139.10	0.00
Antelope Creek	B5-622	162857.90	207531.89	1153.52	1138.70	1138.70	0.00
Antelope Creek	B5-623	162771.70	207987.92	1153.98	1138.20	1138.20	0.00
Antelope Creek	B5-626	163463.98	207623.49	1152.08	1133.77	1135.97	0.00
Antelope Creek	B5-632	160366.61	209561.45	1149.87	1135.40	1135.40	0.00
Antelope Creek	B5-633	160664.74	209744.12	1147.60	1133.50	1133.50	0.00
Antelope Creek	B5-634	161120.84	209805.83	1148.55	1131.00	1131.05	0.00
Antelope Creek	B5-635	160986.08	209930.98	1147.11	1130.50	1131.05	1.15
Antelope Creek	B5-637	160770.59	210290.86	1146.14	1130.10	1130.67	0.00
Antelope Creek	B5-638	160968.41	210417.15	1145.35	1129.90	1130.38	0.00
Antelope Creek	B5-88	163192.20	205966.74	1155.16	1140.90	1141.85	0.00
Antelope Creek	C2-580	176381.93	194585.07	1215.81	1201.80	1202.43	0.00
Antelope Creek	C2-581	176365.44	194080.71	1217.16	1203.10	1204.84	0.00
Antelope Creek	C2-582	176360.49	193955.91	1217.00	1204.70	1205.62	0.00
Antelope Creek	C2-584	176323.22	193581.13	1222.56	1209.00	1209.80	0.00
Antelope Creek	C2-585	176317.05	193420.46	1220.70	1210.40	1211.31	0.00
Antelope Creek	C2-586	176330.11	193168.05	1222.98	1212.10	1213.11	0.00
Antelope Creek	C2-587	176340.99	193082.74	1223.26	1212.70	1214.19	0.00
Antelope Creek	C2-X50	176364.45	192918.69	1225.05	1214.10	1215.10	0.00
Antelope Creek	C3-178	172511.35	196414.38	1204.40	1189.00	1189.00	0.00
Antelope Creek	C3-378	168206.21	199555.39	1181.49	1168.20	1168.20	0.00
Antelope Creek	C3-380	168325.11	199467.62	1182.31	1168.80	1168.80	0.00
Antelope Creek	C3-444	175723.40	194620.35	1208.60	1195.50	1196.79	0.00
Antelope Creek	C3-450	175282.59	194655.15	1206.89	1193.60	1194.99	0.00
Antelope Creek	C3-461	175033.50	194973.72	1211.32	1192.00	1193.32	0.00
Antelope Creek	C3-462	174864.87	195239.79	1211.79	1190.70	1192.03	0.00

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Antelope Creek	C3-477	174742.41	195254.32	1199.60	1190.29	1191.09	0.00
Antelope Creek	C3-488	174277.32	195325.81	1200.85	1188.30	1189.70	0.00
Antelope Creek	C3-536	170049.82	197754.53	1192.48	1169.80	1171.55	0.00
Antelope Creek	C3-554	173709.54	195595.21	1204.02	1185.50	1187.04	0.00
Antelope Creek	C3-555	173260.87	195512.71	1206.96	1183.90	1185.19	0.00
Antelope Creek	C3-556	172806.71	195704.08	1199.36	1181.40	1182.90	0.00
Antelope Creek	C3-557	172456.68	195742.25	1197.89	1180.30	1181.56	0.00
Antelope Creek	C3-558	172192.10	195775.17	1201.59	1179.00	1180.41	0.00
Antelope Creek	C3-559	171806.64	195899.16	1199.38	1177.80	1179.20	0.00
Antelope Creek	C3-560	171501.15	196139.10	1195.90	1176.70	1178.03	0.00
Antelope Creek	C3-561	171175.89	196472.03	1194.11	1175.30	1176.80	5.08
Antelope Creek	C3-562	170794.54	196743.98	1189.06	1173.80	1175.44	0.00
Antelope Creek	C3-563	170464.04	196941.11	1194.22	1172.60	1174.43	0.00
Antelope Creek	C3-564	170462.10	197216.41	1192.86	1171.90	1173.48	0.00
Antelope Creek	C3-565	170381.76	197417.61	1192.00	1171.30	1172.85	0.00
Antelope Creek	C3-567	169565.12	198187.85	1187.45	1168.90	1170.67	0.00
Antelope Creek	C3-568	169101.99	198519.22	1185.20	1167.80	1169.42	0.00
Antelope Creek	C3-569	168844.40	198903.39	1186.49	1166.60	1168.25	0.00
Antelope Creek	C3-570	168658.81	199252.47	1183.43	1165.50	1167.26	0.00
Antelope Creek	C3-571	168186.89	199554.41	1182.31	1164.24	1166.40	0.00
Antelope Creek	C3-572	167962.48	199690.78	1181.74	1164.20	1165.85	0.00
Antelope Creek	C3-573	167597.23	199872.43	1181.12	1163.30	1164.53	0.00
Antelope Creek	C3-578	176362.20	194631.91	1210.14	1198.10	1199.45	3.90
Antelope Creek	C3-612	172434.29	195974.64	1200.70	1183.00	1183.00	0.00
Antelope Creek	C3-624	168647.05	199255.41	1182.89	1170.10	1170.10	0.00
Antelope Creek	C3-635	173790.50	195573.99	1205.88	1186.20	1187.47	0.00
Antelope Creek	C3-67	174125.72	195571.52	1202.96	1187.30	1188.76	0.00
Antelope Creek	C4-511	167091.87	200285.90	1179.90	1159.10	1160.67	0.00
Antelope Creek	C4-512	166829.07	200523.78	1204.22	1158.05	1159.86	7.55
Antelope Creek	C4-513	166628.47	200824.04	1175.50	1157.00	1158.82	0.00
Antelope Creek	C4-514	166311.08	201100.24	1174.44	1155.70	1157.58	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface Elevation (ft)	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Antelope Creek	C4-516	167359.48	200107.95	1180.33	1161.00	1162.32	0.00
Antelope Creek	C4-569	165715.39	201451.77	1173.01	1153.50	1155.38	0.00
Antelope Creek	C4-570	165889.28	201223.89	1173.99	1154.40	1156.29	0.00
Antelope Creek	D1-163	179938.40	187811.53	1268.80	1258.80	1259.86	0.00
Antelope Creek	D1-21	178855.63	188863.11	1265.89	1254.80	1255.97	0.00
Antelope Creek	D1-22	179112.40	188619.60	1266.93	1255.70	1256.61	0.00
Antelope Creek	D1-23	179399.42	188349.86	1267.06	1256.70	1257.56	0.00
Antelope Creek	D1-24	179485.40	188261.35	1266.99	1257.60	1258.46	0.00
Antelope Creek	D1-25	179742.61	187937.35	1265.90	1258.60	1259.46	0.00
Antelope Creek	D1-30	179208.54	188529.25	1278.24	1256.00	1256.97	0.00
Antelope Creek	D1-31	179148.96	188585.25	1267.55	1255.80	1256.71	0.00
Antelope Creek	D1-312	180102.84	187763.26	1267.70	1259.00	1260.08	3.28
Antelope Creek	D1-4	178514.53	189225.70	1265.10	1254.40	1255.11	0.00
Antelope Creek	D1-42	179625.03	188085.47	1267.10	1258.10	1258.99	0.00
Antelope Creek	D1-427	186893.48	185296.83	1305.25	1295.00	1296.00	0.00
Antelope Creek	D1-428	186891.48	185828.66	1304.53	1291.50	1292.55	0.00
Antelope Creek	D1-429	186538.99	186177.09	1300.80	1288.90	1290.21	0.00
Antelope Creek	D1-430	186066.49	186444.39	1293.42	1286.80	1287.70	0.00
Antelope Creek	D1-431	185786.31	186912.13	1293.46	1283.30	1284.77	0.00
Antelope Creek	D1-432	185437.48	187116.04	1292.00	1282.80	1283.55	0.00
Antelope Creek	D1-433	185215.87	187349.61	1287.89	1277.90	1278.81	0.00
Antelope Creek	D1-434	185330.53	187511.24	1284.79	1276.40	1277.67	0.00
Antelope Creek	D1-435	185446.77	187724.01	1287.14	1275.90	1276.90	0.00
Antelope Creek	D1-436	185047.56	187933.12	1284.14	1274.20	1275.31	0.00
Antelope Creek	D1-437	184646.79	188276.29	1281.62	1273.10	1273.93	0.00
Antelope Creek	D1-440	184347.79	188599.99	1272.97	1266.80	1268.10	0.00
Antelope Creek	D1-441	184261.70	188712.73	1273.13	1266.79	1267.62	0.00
Antelope Creek	D1-442	184293.62	188955.98	1276.35	1264.90	1265.78	0.00
Antelope Creek	D1-443	184279.47	189227.02	1276.05	1263.10	1263.92	0.00
Antelope Creek	D1-444	183899.93	189228.98	1272.79	1259.50	1260.51	0.00
Antelope Creek	D1-510	186057.65	186470.80	1299.18	1286.18	1287.22	0.00

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		X-Coord	Y-Coord				
Antelope Creek	D1-547	185198.45	187905.03	1285.23	1274.50	1275.76	0.00
Antelope Creek	D1-548	184490.63	188598.96	1278.31	1268.60	1269.41	0.00
Antelope Creek	D1-550	185440.17	187675.61	1286.06	1276.00	1277.09	0.00
Antelope Creek	D1-582	183593.69	189234.92	1269.48	1258.00	1258.88	0.00
Antelope Creek	D2-130	177287.97	190713.97	1264.33	1247.40	1248.50	1.57
Antelope Creek	D2-16	178119.46	189495.31	1270.28	1252.10	1253.00	0.00
Antelope Creek	D2-161	182521.43	191903.32	1270.09	1255.50	1256.71	0.00
Antelope Creek	D2-17	177706.37	189767.74	1271.81	1250.70	1251.52	0.00
Antelope Creek	D2-177	183118.51	190531.16	1267.00	1256.60	1257.88	0.00
Antelope Creek	D2-178	183245.60	189918.62	1267.01	1257.00	1258.17	0.00
Antelope Creek	D2-179	183570.41	189729.11	1269.00	1257.20	1258.35	0.00
Antelope Creek	D2-18	177714.72	190097.66	1269.71	1249.70	1250.52	0.00
Antelope Creek	D2-19	177426.70	190570.52	1263.66	1248.00	1248.92	0.00
Antelope Creek	D2-20	177240.67	190748.96	1261.34	1247.20	1248.30	0.00
Antelope Creek	D2-21	177056.38	190953.46	1263.45	1246.40	1247.30	0.00
Antelope Creek	D2-22	177056.03	191391.72	1254.50	1242.60	1243.08	0.00
Antelope Creek	D2-23	177055.89	191643.25	1242.26	1231.60	1232.19	0.00
Antelope Creek	D2-24	177051.76	191888.81	1233.57	1224.30	1225.46	0.00
Antelope Creek	D2-25	176372.38	191900.27	1236.70	1222.30	1223.22	1.65
Antelope Creek	D2-255	176379.00	192492.72	1227.86	1217.50	1218.58	0.00
Antelope Creek	D2-256	176398.48	194574.30	1213.97	1201.70	1202.71	0.00
Antelope Creek	D2-257	176662.00	194573.41	1216.63	1202.80	1203.74	0.00
Antelope Creek	D2-258	176892.02	194572.64	1219.75	1203.70	1204.66	0.00
Antelope Creek	D2-259	177332.07	194571.16	1222.11	1205.50	1206.42	0.00
Antelope Creek	D2-26	176375.37	192167.17	1232.96	1220.10	1221.08	0.00
Antelope Creek	D2-282	177612.95	190264.73	1265.13	1249.10	1249.94	0.00
Antelope Creek	D2-381	183569.33	189724.43	1269.11	1257.70	1258.52	0.00
Antelope Creek	D2-382	183245.39	189922.88	1266.16	1257.40	1258.24	0.00
Antelope Creek	D2-383	183126.29	190503.66	1265.95	1257.00	1257.81	0.00
Antelope Creek	D2-384	183266.74	190595.69	1266.35	1256.90	1257.69	0.00
Antelope Creek	D2-385	182971.53	190973.47	1264.79	1256.50	1257.34	0.00

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		X-Coord	Y-Coord				
Antelope Creek	D2-386	182602.35	191446.07	1264.47	1256.10	1256.92	0.00
Antelope Creek	D2-387	182272.28	191875.02	1262.53	1255.70	1256.56	0.00
Antelope Creek	D2-388	182283.76	192087.39	1260.71	1255.50	1256.44	0.00
Antelope Creek	D2-389	182407.71	192350.63	1262.85	1255.30	1256.31	0.00
Antelope Creek	D2-390	182225.66	192589.57	1261.69	1255.10	1256.21	0.00
Antelope Creek	D2-391	181858.22	192809.91	1262.82	1254.80	1256.13	0.00
Antelope Creek	D2-392	181866.09	192832.58	1262.38	1254.80	1256.13	0.00
Antelope Creek	D2-42	181630.44	193501.54	1267.46	1254.30	1255.25	0.00
Antelope Creek	D2-43	181281.70	193720.77	1269.66	1253.10	1254.07	0.00
Antelope Creek	D2-44	180922.34	193947.87	1271.12	1251.90	1252.83	0.00
Antelope Creek	D2-45	180615.38	194213.67	1271.35	1250.60	1251.56	0.00
Antelope Creek	D2-46	180369.90	194566.56	1272.46	1249.30	1250.26	0.00
Antelope Creek	D2-48	176376.10	192789.69	1226.50	1215.20	1216.15	0.00
Antelope Creek	D2-56	176380.46	192669.01	1227.50	1216.20	1217.75	0.00
Antelope Creek	D2-67	181652.87	193010.36	1258.01	1254.50	1255.85	0.00
Antelope Creek	D2-68	181935.22	192788.32	1263.83	1254.80	1256.16	0.00
Antelope Creek	D2-69	182237.97	192605.65	1263.73	1255.10	1256.30	0.00
Antelope Creek	D2-70	182468.09	192142.44	1268.13	1255.40	1256.58	0.00
Antelope Creek	D2-71	182673.74	191689.25	1272.27	1255.73	1256.85	0.00
Antelope Creek	D2-72	183053.60	191228.97	1275.08	1256.08	1257.18	0.00
Antelope Creek	D2-73	183425.96	190777.33	1270.72	1256.70	1257.68	0.00
Antelope Creek	D3-10	178712.65	194920.95	1230.30	1219.90	1220.70	0.00
Antelope Creek	D3-11	179053.80	195256.89	1238.65	1222.70	1223.54	0.00
Antelope Creek	D3-16	179654.74	195558.77	1273.10	1245.50	1246.45	0.00
Antelope Creek	D3-17	179450.41	195712.25	1271.74	1244.74	1245.32	0.00
Antelope Creek	D3-18	179254.30	195712.56	1248.89	1229.50	1230.16	0.00
Antelope Creek	D3-19	179054.47	195708.55	1238.56	1225.40	1226.25	0.00
Antelope Creek	D3-3	178380.25	194594.03	1228.30	1217.10	1217.84	0.00
Antelope Creek	D3-4	177861.20	194604.87	1225.40	1213.10	1213.83	0.00
Antelope Creek	D3-407	179920.61	195255.54	1273.18	1246.80	1247.75	0.00
Antelope Creek	D3-408	180139.48	194920.67	1272.98	1248.00	1248.99	0.00

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		X-Coord	Y-Coord				
Antelope Creek	D3-5	177361.15	194606.55	1222.25	1209.10	1209.49	0.00
Antelope Creek	D3-543	176866.06	194629.56	1218.64	1203.60	1203.98	0.00
Antelope Creek	E0-17	187812.95	183996.16	1314.50	1306.00	1307.10	5.14
Antelope Creek	E0-4	188347.98	183995.82	1331.70	1311.80	1312.17	1.16
Antelope Creek	E1-1	187719.57	184284.54	1312.34	1304.50	1305.52	0.00
Antelope Creek	E1-2	187339.95	184442.30	1308.41	1302.00	1302.92	0.00
Antelope Creek	E1-3	187155.28	184819.34	1306.04	1298.70	1299.65	0.00
Antelope Creek	E1-4	187015.26	185227.22	1307.21	1295.30	1296.50	0.00
Antelope Creek	E1-93	187794.74	184053.60	1321.85	1305.40	1306.72	0.00
	C8-19	176229.56	226374.66	1135.00	1116.07	1118.53	0.00
	D1S-900	180066.62	174082.05	1293.80	1278.80	1278.80	0.00
	D1S-905	180576.29	172788.28	1298.29	1283.29	1283.29	0.00
	D7-403	176294.51	221152.07	1150.48	1138.02	1139.01	0.00
	B1S-95	163162.92	173595.79	1200.54	1185.54	1186.41	0.00
	B1S-96	163211.06	173619.58	1202.31	1187.31	1188.06	6.94
	B4-717	155888.57	200701.83	1153.45	1136.85	1138.31	0.00
	B4-718	155890.49	201105.45	1152.58	1136.38	1138.05	0.00
	B4-719	155868.19	202335.07	1150.35	1135.55	1137.11	0.00
	B5-139-2	163249.31	206599.46	1155.00	1137.70	1138.90	0.00
	B5-139-3	163331.91	206615.94	1155.00	1125.40	1138.87	0.00
	B5-139-4	163406.24	206670.88	1155.00	1125.40	1138.79	0.00
	B5-139-5	163400.74	206724.06	1155.00	1136.54	1138.77	0.00
	D8-187	176460.63	221261.49	1150.00	1138.22	1139.64	0.00
	D8-24	176735.27	221215.73	1149.80	1138.56	1140.21	0.00
	D8-25	176673.20	221263.88	1149.56	1138.45	1140.05	0.00
	Existing		625.25	2.00	N1475	C7-427	1136.35
	Future		625.25	3.00	N1475	C7-427	1135.35
	L1501		86.19	1.75	D8-24	D8-25	1138.45
	L1502		208.96	1.75	D8-25	D8-187	1138.22
	L1503		200.02	1.75	D8-187	D7-403	1138.02
	L1504		49.67	1.75	D7-403	C7-151	1137.74

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		X-Coord	Y-Coord				
	L1507		404.00	0.67	N1474	A5-42	1142.42
	L1516		179.00	0.67	N1478	N1479	1136.74
	L1517		15.00	0.67	N1479	AA7-21	1150.26
	L1519		171.69	1.00	N1482	N1483	1136.89
	L1520		15.00	1.00	N1483	AA7-22	1149.76
	MH-10	162986.26	168844.46	1192.00	1174.85	1174.85	0.00
	MH-11	163291.98	168328.19	1195.00	1175.43	1175.43	0.00
	MH-12	163742.33	167957.50	1193.25	1175.99	1175.99	0.00
	MH-4	161454.59	171821.77	1183.25	1171.66	1172.13	0.00
	MH-5	161652.19	171445.85	1182.00	1172.00	1172.13	0.00
	MH-6	161861.16	170919.92	1183.50	1172.54	1172.54	0.00
	MH-7	162394.80	170850.75	1189.50	1173.12	1173.12	0.00
	MH-8	162357.41	169877.00	1187.50	1173.70	1173.70	0.00
	MH-9	162663.12	169360.73	1190.50	1174.28	1174.28	0.00
	N1474	154288.68	205842.44	1147.42	1142.42	1147.42	0.00
	N1475	167217.34	218576.55	1145.00	1137.00	1138.69	0.00
	N1477	163382.29	214749.26	1145.50	1107.50	1123.63	0.00
	N1478	138614.21	217737.41	1163.00	1136.74	1162.87	0.00
	N1479	138699.90	217734.36	1163.00	1136.74	1158.79	0.00
	N1482	138610.05	217659.95	1163.00	1136.89	1162.90	0.00
	N1483	138697.49	217660.91	1163.00	1136.89	1159.45	0.00
	N1485	164224.76	214559.99	1149.00	1119.00	1121.40	0.00
	N751	160655.87	212620.08	1149.00	1110.10	1125.74	0.00
	N752	160778.97	212624.22	1149.00	1110.10	1125.40	0.00
	OAK-S1-1		220.51	2.50	N1477	B6-2942	1121.50
	OAK-S2-1		220.51	2.00	N1477	B6-2942	1121.50
	OAK-S3-1		220.50	2.50	N1477	B6-2942	1121.50
	PSC59		679.85	4.50	SV-MH-31	SV-MH-30	1139.93
	PSC60		679.84	4.50	SV-MH-30	SV-MH-29	1138.30
	PSC61		350.68	4.50	SV-MH-29	SV-MH-28	1137.46
	PSC62		1104.71	4.50	SV-MH-28	SV-MH-27	1134.81

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		X-Coord	Y-Coord				
	PSC63		274.31	4.50	SV-MH-27	SV-JSE-2	1134.15
	PSC64		1130.12	5.00	SV-JSE-2	SV-MH-26	1132.19
	PSC65		1164.14	5.00	SV-MH-26	SV-MH-25	1130.68
	PSC66		694.76	5.00	SV-MH-25	SV-MH-24	1129.78
	PSC67		694.25	5.00	SV-MH-24	SV-MH-23	1128.88
	PSC68		686.11	5.00	SV-MH-23	SV-MH-22	1127.99
	PSC69		686.11	5.00	SV-MH-22	SV-MH-21	1127.10
	PSC70		711.93	5.00	SV-MH-21	SV-MH-20	1126.25
	PSC71		711.93	5.00	SV-MH-20	SV-MH-19	1125.40
	PSC72		1061.82	5.00	SV-MH-19	SV-MH-18	1124.13
	PSC73		1061.83	5.00	SV-MH-18	SV-MH-17	1122.86
	PSC74		1061.83	5.00	SV-MH-17	SV-MH-16	1121.59
	PSC75		989.96	5.00	SV-MH-16	SV-MH-15	1120.40
	PSC76		239.82	5.00	SV-MH-15	SV-JSE-1	1120.11
	PSC77		572.70	5.50	SV-JSE-1	SV-MH-14	1119.65
	PSC78		899.99	5.50	SV-MH-14	SV-MH13	1118.93
	PSC79		850.07	5.50	SV-MH13	SV-MH-12	1118.25
	PSC80		997.69	5.50	SV-MH-12	SV-MH-11	1117.45
	PSC81		1100.00	5.50	SV-MH-11	SV-MH-10	1116.57
	PSC82		1050.01	5.50	SV-MH-10	SV-MH-9	1115.73
	PSC83		1050.00	5.50	SV-MH-9	SV-MH-8	1114.89
	PSC84		987.82	5.50	SV-MH-8	SV-E8-1	1114.10
	PSC85		366.69	6.00	SV-E8-1	SV-E8-2	1113.81
	PSC86		715.69	6.00	SV-E8-2	D8-229	1113.24
	SB1-10	169451.40	169089.20	1217.60	1200.23	1200.23	0.00
	SB1-11	169955.97	168810.50	1222.00	1203.27	1203.27	0.00
	SB1-12	170275.72	168617.37	1225.20	1204.91	1204.91	0.00
	SB1-13	170551.85	168956.48	1216.00	1206.98	1206.98	0.00
	SB1-14	170936.86	169144.60	1226.00	1209.55	1209.55	0.00
	SB1-15	171111.05	169162.03	1227.60	1210.56	1210.56	0.00
	SB1-9	168804.55	169008.90	1213.00	1192.35	1192.35	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface Elevation (ft)	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
	SB4-57	164099.11	167374.88	1193.25	1176.50	1176.50	0.00
	SB4-58	164909.80	167462.40	1192.90	1179.80	1179.80	0.00
	SB4-59	165491.30	167500.65	1200.10	1181.39	1181.39	0.00
	SB4-60	166038.94	167515.15	1197.60	1182.52	1182.52	0.00
	SB4-61	166686.24	167509.84	1200.30	1183.76	1183.76	0.00
	SB4-62	166712.50	167560.92	1200.60	1184.07	1184.07	0.00
	SB4-63	167077.19	167863.23	1202.90	1184.92	1184.92	0.00
	SB4-64	167349.43	168215.01	1206.30	1186.39	1186.39	0.00
	SB4-65	168022.58	168537.28	1209.10	1188.45	1188.45	0.00
	SB4-66	168783.73	168901.66	1213.00	1192.35	1192.35	0.00
	SW-1	156696.87	184170.20	1174.02	1144.25	1144.63	0.00
	SW-2	156818.61	183116.78	1175.44	1145.68	1145.68	0.00
	SW-3	156875.41	181593.40	1177.62	1147.86	1147.86	0.00
	SW-4	156994.10	179746.26	1180.02	1150.26	1150.26	0.00
	SW-5	156868.84	178190.25	1182.12	1152.36	1152.36	0.00
	SW-6	150894.68	178201.57	1203.02	1168.36	1168.36	0.00
	SW-7	152961.10	178162.10	1197.92	1163.26	1163.26	0.00
	SW-8	155088.21	178171.41	1192.47	1157.81	1157.81	0.00
	SW-9	156891.21	176205.41	1187.12	1158.36	1158.36	0.00

Table A3 - Tier 1 Mahole Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Stevens Creek	SV-E8-1	187370.68	225876.11	1137.75	1114.10	1118.62	3.77
Stevens Creek	SV-E8-2	187003.99	225876.11	1136.92	1113.81	1118.35	20.00
Stevens Creek	SV-JSE-1	190467.16	219034.45	1145.00	1120.11	1124.23	0.00
Stevens Creek	SV-JSE-2	195940.92	210588.10	1166.00	1133.66	1137.16	7.45
Stevens Creek	SV-JSE-3A	202381.80	200034.38	1189.00	1167.48	1170.23	9.21
Stevens Creek	SV-JSE-3B	198795.70	205055.05	1180.00	1149.68	1152.51	19.77
Stevens Creek	SV-JSE-4	204050.89	194749.62	1205.00	1181.22	1183.71	3.07
Stevens Creek	SV-JSE-5C	202006.94	177215.16	1273.00	1255.32	1257.14	18.87
Stevens Creek	SV-MH 82	201346.45	174117.02	1294.00	1271.87	1272.92	11.23
Stevens Creek	SV-MH-10	188572.19	223031.70	1137.00	1116.57	1120.80	0.00
Stevens Creek	SV-MH-11	189041.87	222037.01	1139.00	1117.45	1121.63	0.00
Stevens Creek	SV-MH-12	189467.86	221134.84	1140.00	1118.25	1122.40	0.00
Stevens Creek	SV-MH13	189830.82	220366.15	1141.00	1118.93	1123.06	0.00
Stevens Creek	SV-MH-14	190196.41	219552.32	1142.00	1119.65	1123.77	0.00
Stevens Creek	SV-MH-15	190562.02	218817.59	1147.00	1120.40	1124.44	0.00
Stevens Creek	SV-MH-16	191498.24	218495.86	1147.00	1121.59	1125.43	0.00
Stevens Creek	SV-MH-17	192198.18	217697.38	1147.00	1122.86	1126.59	0.00
Stevens Creek	SV-MH-18	192898.11	216898.89	1149.00	1124.13	1127.80	0.00
Stevens Creek	SV-MH-19	193598.04	216117.97	1152.00	1125.40	1129.04	0.00
Stevens Creek	SV-MH-20	193754.81	215430.34	1152.00	1126.25	1129.88	0.00
Stevens Creek	SV-MH-21	194208.49	214890.37	1156.00	1127.10	1130.73	0.00
Stevens Creek	SV-MH-22	194760.97	214483.53	1157.00	1127.99	1131.56	0.00
Stevens Creek	SV-MH-23	195313.45	214076.70	1158.00	1128.88	1132.42	0.00
Stevens Creek	SV-MH-24	195759.66	213551.55	1159.00	1129.78	1133.30	0.00
Stevens Creek	SV-MH-25	195923.96	212882.30	1160.00	1130.68	1134.20	0.00
Stevens Creek	SV-MH-26	195932.57	211718.19	1160.00	1132.19	1135.70	0.00
Stevens Creek	SV-MH-27	195942.95	210313.80	1165.00	1134.81	1137.73	0.00
Stevens Creek	SV-MH-28	196592.50	209420.23	1166.00	1137.46	1140.30	0.00
Stevens Creek	SV-MH-29	196649.60	209074.23	1169.00	1138.30	1141.14	0.00
Stevens Creek	SV-MH-30	196972.27	208475.84	1169.00	1139.93	1142.76	0.00
Stevens Creek	SV-MH-31	197294.94	207877.44	1172.00	1141.56	1144.39	0.00
Stevens Creek	SV-MH-32	197479.60	207858.67	1170.00	1142.01	1144.84	0.00
Stevens Creek	SV-MH-33	197580.10	207498.85	1170.00	1142.91	1145.74	0.00
Stevens Creek	SV-MH-34	198192.29	206600.37	1172.00	1145.52	1148.35	0.00
Stevens Creek	SV-MH-35	198804.48	205701.88	1174.00	1148.13	1150.96	0.00
Stevens Creek	SV-MH-36	199673.16	205043.24	1179.00	1151.87	1154.62	0.00
Stevens Creek	SV-MH-37	199798.46	204558.43	1179.00	1153.08	1155.83	0.00
Stevens Creek	SV-MH-38	199798.46	203808.43	1180.00	1154.88	1157.63	0.00
Stevens Creek	SV-MH-39	199798.46	203058.43	1190.00	1156.68	1159.43	0.00
Stevens Creek	SV-MH-40	200698.46	203058.43	1183.00	1158.84	1161.59	0.00
Stevens Creek	SV-MH-41	201314.46	202335.21	1184.00	1161.12	1163.87	0.00
Stevens Creek	SV-MH-42	201930.45	201611.99	1186.00	1163.40	1166.15	0.00
Stevens Creek	SV-MH-43	202383.59	200834.38	1190.00	1165.56	1168.31	0.00
Stevens Creek	SV-MH-44	202379.34	198934.39	1189.00	1170.29	1172.81	0.00
Stevens Creek	SV-MH-45	202376.88	197834.39	1195.00	1172.60	1175.09	0.00
Stevens Creek	SV-MH-46	202374.42	196734.39	1190.00	1174.91	1177.40	0.00
Stevens Creek	SV-MH-47	203172.03	196732.61	1199.00	1176.58	1179.07	0.00
Stevens Creek	SV-MH-48	203285.03	196039.37	1200.00	1178.06	1180.55	0.00
Stevens Creek	SV-MH-49	203667.96	195394.49	1202.00	1179.64	1182.13	0.00
Stevens Creek	SV-MH-50	204063.75	193699.69	1208.00	1182.77	1185.20	0.00
Stevens Creek	SV-MH-51	204235.17	193006.80	1209.00	1183.47	1185.96	0.00
Stevens Creek	SV-MH-52	204426.00	192333.31	1211.00	1184.17	1186.69	0.00
Stevens Creek	SV-MH-53	205366.45	192095.70	1211.00	1185.14	1187.65	0.55
Stevens Creek	SV-MH-54	205459.86	190999.67	1216.00	1188.39	1190.47	0.00
Stevens Creek	SV-MH-55	205552.01	189918.53	1220.00	1191.10	1193.17	0.00
Stevens Creek	SV-MH-56	205505.57	189205.10	1221.00	1192.89	1194.96	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Stevens Creek	SV-MH-57	205446.98	188305.07	1225.00	1195.14	1197.16	0.95
Stevens Creek	SV-MH-58	205388.51	187406.97	1228.00	1197.39	1199.41	0.00
Stevens Creek	SV-MH-59	205727.82	187020.36	1236.00	1198.78	1200.74	0.99
Stevens Creek	SV-MH-60	205632.92	186610.27	1222.00	1199.93	1201.88	0.00
Stevens Creek	SV-MH-61	205595.23	186042.97	1233.00	1202.20	1203.90	0.00
Stevens Creek	SV-MH-62	205704.49	185034.68	1241.00	1206.26	1207.94	0.00
Stevens Creek	SV-MH-63	205817.60	183990.79	1244.00	1210.46	1212.14	0.00
Stevens Creek	SV-MH-64	205397.52	183138.72	1244.00	1214.36	1216.06	0.00
Stevens Creek	SV-MH-65	204347.53	183143.67	1261.00	1218.66	1220.36	0.00
Stevens Creek	SV-MH-66	203983.12	182801.32	1258.00	1224.66	1226.04	0.00
Stevens Creek	SV-MH-67	203918.12	182104.34	1256.00	1230.01	1231.58	0.00
Stevens Creek	SV-MH-68	203853.12	181407.37	1271.00	1235.26	1236.83	0.00
Stevens Creek	SV-MH-69	203797.40	180809.96	1272.00	1237.54	1239.47	2.28
Stevens Creek	SV-MH-70	203566.00	180256.38	1279.00	1239.92	1241.81	0.00
Stevens Creek	SV-MH-71	203334.59	179702.80	1264.00	1242.20	1244.08	0.00
Stevens Creek	SV-MH-72	203328.55	179352.85	1263.00	1243.63	1245.51	0.00
Stevens Creek	SV-MH-73	203320.87	178907.92	1265.00	1246.65	1248.53	0.00
Stevens Creek	SV-MH-74	203313.01	178452.98	1265.00	1248.38	1250.21	0.99
Stevens Creek	SV-MH-75	202892.19	178025.30	1271.00	1250.76	1252.59	0.00
Stevens Creek	SV-MH-76	202449.56	177620.23	1271.00	1253.04	1254.86	0.00
Stevens Creek	SV-MH-77	201984.81	176715.65	1274.00	1258.32	1259.54	0.00
Stevens Creek	SV-MH-78	201962.68	176216.14	1281.00	1260.82	1262.04	0.00
Stevens Creek	SV-MH-79	201940.55	175716.63	1289.00	1263.32	1264.54	0.00
Stevens Creek	SV-MH-8	187746.78	224976.94	1135.00	1114.89	1119.28	0.00
Stevens Creek	SV-MH-80	201913.99	175117.22	1289.00	1266.32	1267.54	0.00
Stevens Creek	SV-MH-81	201617.88	174595.38	1293.00	1269.42	1270.65	0.00
Stevens Creek	SV-MH-83	201075.01	173638.67	1296.00	1274.07	1275.10	4.39
Stevens Creek	SV-MH-84	200475.02	173641.09	1303.00	1281.52	1282.33	0.00
Stevens Creek	SV-MH-85	199925.02	173643.32	1316.00	1292.52	1293.24	0.00
Stevens Creek	SV-MH-9	188159.49	223997.20	1137.00	1115.73	1120.03	6.56
Oak Creek	A6-119	147098.71	214321.97	1152.99	1145.49	1145.49	0.00
Oak Creek	A6-120	147085.59	214771.86	1155.57	1147.07	1147.07	0.00
Oak Creek	A6-121	147088.10	215221.75	1156.54	1148.64	1148.64	0.00
Oak Creek	A6-122	147090.61	215671.64	1159.12	1150.22	1150.22	0.00
Oak Creek	A6-171	152275.94	210788.48	1147.82	1137.82	1138.09	0.00
Oak Creek	A6-188	154645.19	212078.09	1144.88	1133.79	1136.17	0.00
Oak Creek	A6-189	154150.75	211935.38	1146.22	1134.11	1136.44	0.00
Oak Creek	A6-190	153691.58	211807.66	1149.56	1134.36	1136.72	0.00
Oak Creek	A6-191	153295.69	211693.31	1147.13	1134.71	1136.94	0.10
Oak Creek	A6-192	152757.95	211580.40	1153.80	1134.98	1137.28	0.00
Oak Creek	A6-193	152364.37	211550.18	1155.95	1135.28	1137.51	0.00
Oak Creek	A6-194	151929.44	211348.66	1152.00	1136.24	1138.09	0.00
Oak Creek	A6-195	151446.36	211500.29	1151.79	1136.56	1138.56	4.60
Oak Creek	A6-196	150947.55	211680.68	1151.96	1137.17	1139.09	0.00
Oak Creek	A6-197	150448.86	211860.80	1152.97	1137.61	1139.55	0.00
Oak Creek	A6-198	149818.05	212089.20	1152.33	1138.15	1140.07	1.00
Oak Creek	A6-199	149199.62	212378.67	1152.38	1138.90	1140.71	0.00
Oak Creek	A6-200	148652.45	212621.03	1152.74	1139.37	1141.26	0.00
Oak Creek	A6-201	148082.82	212870.28	1157.13	1139.88	1141.77	0.00
Oak Creek	A6-202	147860.31	213259.70	1153.71	1140.22	1142.14	0.00
Oak Creek	A6-203	147647.84	213650.79	1154.13	1140.92	1142.61	0.00
Oak Creek	A6-204	147109.10	213924.40	1154.40	1141.29	1143.19	0.00
Oak Creek	A6-205	146788.43	214131.81	1153.97	1141.52	1143.43	2.60
Oak Creek	A6-206	146490.00	214231.67	1154.03	1141.23	1143.56	0.00
Oak Creek	A6-207	146170.14	214322.24	1153.87	1142.02	1143.73	0.00
Oak Creek	A6-208	145892.59	214516.68	1153.17	1142.17	1144.00	0.00
Oak Creek	A6-209	145790.14	214563.90	1154.28	1142.11	1144.06	0.40

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Oak Creek	A6-210	145804.27	214594.96	1154.00	1145.00	1145.00	0.60
Oak Creek	A6-232	145244.47	214837.35	1158.41	1142.35	1144.35	0.00
Oak Creek	A6-233	144735.27	215036.31	1161.64	1142.68	1144.62	0.00
Oak Creek	A6-7	151944.37	211293.49	1147.00	1130.30	1138.09	0.00
Oak Creek	A6-92	145775.74	214609.36	1150.46	1144.46	1144.46	0.00
Oak Creek	A7-150	147096.95	216080.79	1161.95	1151.65	1151.65	0.00
Oak Creek	A7-151	147132.77	216121.55	1161.29	1151.69	1151.69	0.00
Oak Creek	A7-170	147136.95	216582.93	1171.00	1153.30	1153.30	0.00
Oak Creek	A7-171	147133.39	216351.03	1168.00	1151.99	1151.99	0.00
Oak Creek	A8-278	144669.56	226040.76	1197.32	1184.32	1185.55	0.00
Oak Creek	A8-279	144716.79	226453.67	1197.82	1184.82	1186.25	0.00
Oak Creek	A8-280	144829.52	226494.81	1198.04	1185.04	1186.44	0.00
Oak Creek	A9-113	144726.74	226880.60	1194.60	1185.60	1187.15	3.14
Oak Creek	A9-114	144666.46	227401.90	1195.23	1186.23	1188.06	0.00
Oak Creek	AA6-66	144296.46	215402.01	1161.22	1143.23	1144.98	0.00
Oak Creek	AA6-67	144003.57	215709.43	1152.88	1143.52	1145.28	0.00
Oak Creek	AA6-68	143265.54	215707.21	1155.43	1143.79	1145.93	0.00
Oak Creek	AA7-10	140904.00	217656.56	1164.01	1149.02	1153.39	0.00
Oak Creek	AA7-104	138722.53	218399.60	1164.68	1151.13	1159.72	0.00
Oak Creek	AA7-106	138002.33	218192.20	1163.83	1153.07	1165.35	0.00
Oak Creek	AA7-107	138003.40	218384.15	1165.06	1153.31	1165.44	0.00
Oak Creek	AA7-115	138724.84	218788.71	1164.60	1151.67	1160.36	0.00
Oak Creek	AA7-116	138004.66	218611.08	1164.84	1153.64	1165.55	0.00
Oak Creek	AA7-117	138005.73	218788.09	1164.99	1154.26	1165.64	0.00
Oak Creek	AA7-13	140644.06	217704.45	1164.61	1148.99	1154.03	0.00
Oak Creek	AA7-135	138006.90	218979.11	1164.69	1154.14	1165.75	0.00
Oak Creek	AA7-136	138007.78	219122.12	1164.21	1154.25	1165.85	0.00
Oak Creek	AA7-137	138008.54	219247.13	1163.73	1154.42	1165.96	0.00
Oak Creek	AA7-139	138735.97	219124.78	1165.53	1152.02	1160.89	0.00
Oak Creek	AA7-14	140070.39	217698.89	1164.35	1149.21	1155.40	0.00
Oak Creek	AA7-146	138738.30	219469.01	1165.50	1152.36	1161.45	0.00
Oak Creek	AA7-148	138009.87	219464.15	1165.40	1154.76	1166.25	0.00
Oak Creek	AA7-15	139828.37	217697.38	1164.19	1149.19	1155.97	0.00
Oak Creek	AA7-16	138970.78	217706.82	1164.54	1149.94	1157.97	0.00
Oak Creek	AA7-193	138749.73	219839.17	1165.96	1152.73	1162.04	0.00
Oak Creek	AA7-194	138010.96	219642.17	1164.98	1155.01	1166.51	0.00
Oak Creek	AA7-195	138012.37	219868.21	1165.65	1155.32	1166.90	0.00
Oak Creek	AA7-2	143206.17	216281.67	1156.11	1147.60	1148.60	0.00
Oak Creek	AA7-21	138709.73	217718.72	1164.40	1150.26	1158.58	0.00
Oak Creek	AA7-22	138712.01	217682.67	1164.35	1149.76	1159.29	0.70
Oak Creek	AA7-224	138752.95	220272.65	1166.53	1153.63	1166.06	0.00
Oak Creek	AA7-225	138019.73	220057.34	1166.62	1155.42	1167.25	0.00
Oak Creek	AA7-226	138021.28	220285.47	1166.28	1155.84	1167.67	0.00
Oak Creek	AA7-23	138595.05	217671.94	1163.81	1151.89	1163.65	5.80
Oak Creek	AA7-24	138601.05	217716.44	1163.32	1151.74	1163.73	3.60
Oak Creek	AA7-244	138785.36	220674.26	1167.83	1153.94	1169.54	0.00
Oak Creek	AA7-25	138294.07	217708.56	1163.83	1152.05	1164.51	0.90
Oak Creek	AA7-26	138016.78	217710.07	1164.08	1152.35	1165.19	0.00
Oak Creek	AA7-267	137816.32	217521.65	1167.36	1154.16	1165.55	0.60
Oak Creek	AA7-268	137440.09	217519.31	1168.56	1155.06	1165.58	0.00
Oak Creek	AA7-269	137039.65	217521.47	1168.51	1156.01	1165.61	0.00
Oak Creek	AA7-270	136789.38	217522.82	1174.10	1157.90	1165.66	0.00
Oak Creek	AA7-271	136544.71	217524.14	1176.26	1159.26	1165.72	0.00
Oak Creek	AA7-272	136331.29	217508.87	1176.20	1160.70	1165.79	2.20
Oak Creek	AA7-273	136019.54	217405.14	1176.36	1162.06	1165.89	0.00
Oak Creek	AA7-274	135692.75	217332.99	1179.44	1163.44	1166.00	0.00
Oak Creek	AA7-275	135512.02	217156.08	1180.51	1164.51	1166.07	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Oak Creek	AA7-276	135269.21	217023.57	1179.26	1165.26	1166.28	0.00
Oak Creek	AA7-277	134993.25	216875.94	1187.08	1166.08	1166.92	0.00
Oak Creek	AA7-278	134713.65	216999.76	1185.56	1166.86	1167.68	0.00
Oak Creek	AA7-279	134499.01	217077.83	1182.07	1167.57	1168.39	0.00
Oak Creek	AA7-298	143274.20	216236.56	1158.85	1146.68	1147.85	0.00
Oak Creek	AA7-299	138788.85	220705.86	1167.62	1154.10	1169.88	0.00
Oak Creek	AA7-3	142804.76	216544.64	1162.98	1147.83	1149.89	0.00
Oak Creek	AA7-300	138801.07	220734.99	1167.98	1156.70	1169.96	0.00
Oak Creek	AA7-301	138805.06	221294.34	1168.37	1156.92	1170.16	0.00
Oak Creek	AA7-303	138435.52	217130.90	1162.85	1152.80	1163.65	0.00
Oak Creek	AA7-4	142700.33	216550.22	1164.95	1148.20	1150.02	0.00
Oak Creek	AA7-5	141933.67	217018.96	1164.48	1148.58	1151.22	0.00
Oak Creek	AA7-6	141266.87	217457.77	1163.50	1149.49	1152.31	0.00
Oak Creek	AA7-7	141177.61	217583.11	1165.29	1148.91	1152.68	0.00
Oak Creek	AA7-9	141065.38	217619.85	1164.58	1148.94	1152.96	0.00
Oak Creek	AA7-91	138001.22	217991.27	1165.45	1152.76	1165.27	0.00
Oak Creek	AA7-93	138720.04	217999.49	1164.53	1150.75	1159.08	0.00
Oak Creek	AA8-154	138808.78	221803.46	1169.34	1157.06	1170.35	0.00
Oak Creek	AA8-155	138815.01	222484.28	1169.79	1157.70	1170.64	0.00
Oak Creek	AA8-156	138824.21	222803.60	1169.87	1157.86	1170.80	0.00
Oak Creek	AA8-157	138826.78	223251.61	1169.50	1158.21	1171.01	0.00
Oak Creek	AA8-158	138834.96	223481.56	1171.76	1158.58	1171.13	0.00
Oak Creek	AA8-159	139148.23	223763.67	1169.50	1158.75	1171.31	1.10
Oak Creek	AA8-160	139153.58	224348.10	1170.30	1159.25	1171.59	0.00
Oak Creek	AA8-161	139141.09	224927.48	1171.00	1159.66	1171.88	0.00
Oak Creek	AA8-162	139146.79	225520.86	1172.40	1160.16	1172.18	0.00
Oak Creek	AA8-163	139513.84	225516.56	1172.50	1160.41	1172.37	0.00
Oak Creek	AA8-164	139857.96	225502.95	1171.30	1160.65	1172.56	0.00
Oak Creek	AA8-165	140348.98	225806.43	1171.70	1161.15	1172.78	2.10
Oak Creek	AA8-166	140545.42	225802.84	1172.50	1161.28	1172.85	0.40
Oak Creek	AA8-167	140953.75	225706.84	1182.58	1169.32	1175.40	0.00
Oak Creek	AA8-168	141549.19	225654.63	1198.70	1179.97	1180.72	0.00
Oak Creek	AA8-169	142016.71	225646.65	1196.00	1180.47	1182.04	0.00
Oak Creek	AA8-170	142555.61	225865.47	1192.30	1181.12	1182.87	0.00
Oak Creek	AA8-171	143004.35	225894.20	1195.70	1181.60	1183.41	0.00
Oak Creek	AA8-172	143458.85	225925.12	1197.00	1182.10	1183.88	0.90
Oak Creek	AA8-173	143941.14	225820.31	1191.60	1182.65	1184.39	0.00
Oak Creek	AA8-174	144461.04	225784.50	1194.30	1183.33	1184.97	0.00
Oak Creek	AA8-175	141287.07	225677.27	1184.60	1174.99	1177.60	3.20
Oak Creek	AA8-176	141341.61	225639.38	1190.90	1176.44	1178.01	0.00
Oak Creek	BB7-1	134130.61	217046.02	1182.50	1168.75	1169.52	3.99
Oak Creek	BB7-10	131955.18	218331.19	1208.00	1191.89	1192.74	0.00
Oak Creek	BB7-11	131601.82	218437.40	1204.25	1193.00	1193.85	0.00
Oak Creek	BB7-2	133912.14	217205.02	1183.50	1172.35	1172.91	4.10
Oak Creek	BB7-27	133782.82	217299.15	1183.22	1173.22	1173.96	0.00
Oak Creek	BB7-3	133693.67	217364.03	1188.50	1176.02	1176.50	0.00
Oak Creek	BB7-4	133477.66	217521.25	1191.50	1180.00	1180.58	0.00
Oak Creek	BB7-5	133296.38	217653.18	1200.00	1184.00	1184.52	0.00
Oak Creek	BB7-6	133113.80	217786.28	1203.00	1188.00	1188.52	0.00
Oak Creek	BB7-7	132883.76	217954.11	1206.00	1188.85	1189.75	0.00
Oak Creek	BB7-8	132655.26	218120.78	1206.75	1189.70	1190.55	0.00
Oak Creek	BB7-9	132309.06	218224.83	1207.00	1190.79	1191.64	0.00
Oak Creek	LIFTSTA	152251.89	210824.16	1146.00	1137.72	1138.09	0.00
Middle & West O	A4-13	149694.09	200945.73	1149.93	1138.03	1152.02	0.00
Middle & West O	A4-134	146212.25	204054.85	1151.25	1140.20	1147.26	0.00
Middle & West O	A4-135	145795.72	204000.73	1156.30	1140.66	1147.46	0.00
Middle & West O	A4-136	145374.97	203946.31	1157.00	1141.12	1147.67	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Middle & West O	A4-137	144868.16	203880.19	1159.00	1141.68	1147.93	0.00
Middle & West O	A4-14	149691.32	201433.99	1150.66	1137.06	1151.72	0.00
Middle & West O	A4-15	150103.81	201431.94	1150.63	1136.13	1151.49	0.00
Middle & West O	A4-16	150647.28	201429.45	1149.93	1135.23	1151.25	0.00
Middle & West O	A4-164	149697.12	200545.51	1150.43	1138.83	1152.32	0.00
Middle & West O	A4-17	151222.22	201426.59	1150.98	1134.08	1151.01	0.00
Middle & West O	A4-18	151797.06	201423.20	1150.43	1132.93	1150.79	0.00
Middle & West O	A4-19	152343.58	201420.95	1150.14	1131.84	1150.59	0.00
Middle & West O	A4-20	152409.98	201376.73	1150.18	1131.68	1150.57	0.00
Middle & West O	A4-206	153076.08	201380.38	1162.75	1142.75	1150.69	0.00
Middle & West O	A4-21	153001.21	201376.92	1151.00	1131.00	1150.39	0.00
Middle & West O	A4-41	154149.65	201388.42	1149.40	1142.70	1143.42	0.00
Middle & West O	A4-42	154599.05	201388.34	1151.69	1141.49	1142.22	0.00
Middle & West O	A4-43	154806.49	201315.73	1148.34	1140.94	1141.70	0.00
Middle & West O	A4-65	154095.79	205063.04	1147.00	1126.99	1142.76	0.00
Middle & West O	A4-66	154017.90	204655.12	1142.00	1127.88	1144.75	0.00
Middle & West O	A4-67	153517.59	204669.25	1143.00	1128.68	1144.77	0.00
Middle & West O	A4-68	153081.84	204681.56	1141.00	1129.38	1144.79	0.00
Middle & West O	A4-69	152752.06	204690.91	1142.00	1129.91	1144.86	0.00
Middle & West O	A4-70	152218.50	204706.03	1143.00	1130.76	1145.03	0.00
Middle & West O	A4-71	151825.68	204717.16	1148.50	1131.39	1145.16	0.00
Middle & West O	A4-72	151323.00	204883.38	1145.50	1132.24	1145.34	0.00
Middle & West O	A4-73	150837.18	204647.89	1145.50	1133.10	1145.53	0.00
Middle & West O	A4-74	150267.05	204581.60	1146.50	1134.02	1145.73	0.00
Middle & West O	A4-75	149730.65	204518.55	1148.00	1134.88	1145.91	0.00
Middle & West O	A4-76	149246.49	204452.04	1148.20	1135.70	1146.09	0.00
Middle & West O	A4-77	148707.75	204384.36	1149.50	1136.50	1146.26	0.00
Middle & West O	A4-78	148210.30	204316.39	1145.80	1137.30	1146.44	0.00
Middle & West O	A4-79	147717.12	204249.56	1146.10	1138.10	1146.62	0.00
Middle & West O	A4-80	147221.32	204185.73	1144.00	1138.90	1146.80	0.00
Middle & West O	A4-81	146626.81	204108.72	1154.35	1139.85	1147.06	0.00
Middle & West O	A4-82	149698.92	200141.52	1156.70	1139.70	1152.75	0.00
Middle & West O	A5-129	154163.87	205397.08	1145.98	1126.18	1141.01	6.00
Middle & West O	A5-141	154229.08	205748.42	1147.52	1125.42	1139.34	0.00
Middle & West O	A5-42	154606.46	205841.46	1147.42	1142.42	1143.01	0.00
Middle & West O	A5-43	154664.65	205801.59	1147.33	1142.23	1142.83	0.00
Middle & West O	AA4-17	139221.74	203635.55	1162.28	1147.28	1151.63	4.50
Middle & West O	AA4-18	139459.20	203652.39	1162.08	1147.08	1151.60	16.00
Middle & West O	AA4-20	139882.19	203681.65	1161.74	1146.74	1151.37	0.00
Middle & West O	AA4-21	139982.22	204037.30	1161.44	1146.44	1151.15	0.00
Middle & West O	AA4-22	140092.98	204436.90	1159.11	1146.11	1150.92	0.00
Middle & West O	AA4-23	140766.55	204620.57	1160.55	1145.55	1150.53	0.00
Middle & West O	AA4-24	141249.99	204377.26	1160.55	1145.12	1150.22	0.00
Middle & West O	AA4-25	141542.31	204230.14	1159.86	1144.86	1150.04	0.00
Middle & West O	AA4-26	141754.13	203952.06	1159.55	1144.55	1149.83	0.00
Middle & West O	AA4-27	141753.01	203752.50	1159.39	1144.39	1149.71	0.00
Middle & West O	AA4-28	142416.72	203794.98	1158.89	1143.89	1149.36	0.00
Middle & West O	AA4-29	143037.43	203822.57	1158.36	1143.36	1148.99	0.00
Middle & West O	AA4-3	144353.32	203803.78	1157.23	1142.23	1148.21	0.00
Middle & West O	AA4-30	143243.02	203835.67	1158.20	1143.20	1148.87	0.00
Middle & West O	AA4-31	143891.60	203878.60	1157.84	1142.84	1148.51	0.00
Middle & West O	AA4-32	144334.25	203923.35	1157.34	1142.34	1148.26	0.00
Middle & West O	AA4-33	144326.91	203802.78	1157.26	1142.26	1148.21	0.00
Middle & West O	B5-52	155133.60	205799.10	1147.40	1140.30	1140.94	0.00
Middle & West O	B5-54	155553.45	205813.61	1147.07	1139.07	1139.61	0.00
Middle & West O	B5-56	155961.18	205813.10	1147.20	1137.10	1137.70	0.00
Middle & West O	B5-615	156323.73	205820.86	1144.78	1134.78	1134.94	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Middle & West O	LSTA	153051.39	201377.49	1153.39	1140.00	1150.37	0.00
Middle & West O	LSTA2	154233.01	205841.54	1147.42	1123.00	1138.95	0.00
Lynn Creek	A8-10	154337.75	223685.10	1200.84	1187.84	1188.53	0.00
Lynn Creek	A8-11	154162.66	224079.50	1203.16	1190.66	1191.59	0.00
Lynn Creek	A8-13	153983.45	224481.78	1204.22	1193.02	1193.95	0.00
Lynn Creek	A8-140	154603.91	223372.93	1193.95	1183.45	1184.26	0.00
Lynn Creek	A8-159	154460.67	223539.18	1200.27	1185.24	1186.06	0.00
Lynn Creek	A8-16	153804.91	224885.36	1206.63	1195.33	1195.92	0.00
Lynn Creek	A8-17	153699.10	225123.71	1213.44	1196.44	1197.03	0.00
Lynn Creek	A8-2	155062.05	222383.55	1189.64	1175.04	1176.11	2.26
Lynn Creek	A8-5	155061.42	222713.45	1189.21	1177.01	1177.82	0.00
Lynn Creek	A8-6	155060.94	223032.34	1189.88	1178.38	1179.30	0.00
Lynn Creek	A8-7	154795.91	223111.00	1190.30	1179.60	1180.49	0.00
Lynn Creek	A8-8	154584.11	223173.75	1191.74	1181.74	1182.51	0.00
Lynn Creek	A8-86	153903.13	224677.87	1206.82	1194.22	1195.10	0.00
Lynn Creek	B7-331	157999.26	216520.53	1153.14	1138.84	1139.82	0.00
Lynn Creek	B7-332	157816.94	217022.87	1154.00	1141.00	1142.06	0.00
Lynn Creek	B7-333	157544.29	217179.19	1156.49	1142.29	1143.26	1.09
Lynn Creek	B7-334	157275.49	217247.03	1156.57	1144.57	1145.37	0.00
Lynn Creek	B7-335	157175.49	217751.75	1170.20	1147.59	1148.49	0.00
Lynn Creek	B7-336	157078.28	218242.28	1160.80	1151.00	1151.84	0.00
Lynn Creek	B7-337	157000.26	218706.62	1163.86	1153.46	1154.38	0.00
Lynn Creek	B7-338	156891.50	218988.47	1165.80	1155.40	1156.20	2.49
Lynn Creek	B7-339	156711.76	219458.39	1167.80	1159.80	1160.51	0.00
Lynn Creek	B7-340	156547.62	219930.79	1176.97	1162.57	1163.42	0.00
Lynn Creek	B7-341	156385.14	220395.31	1179.97	1163.07	1164.36	0.00
Lynn Creek	B7-342	156261.04	220797.40	1188.00	1171.00	1171.79	0.00
Lynn Creek	B7-343	156083.34	221210.39	1187.97	1171.57	1172.92	0.00
Lynn Creek	B7-435	156352.02	220500.33	1182.60	1167.60	1168.09	0.40
Lynn Creek	B8-67	155947.30	221508.31	1182.80	1172.00	1173.35	0.00
Lynn Creek	B8-68	155733.24	221962.27	1185.52	1173.12	1174.27	0.00
Lynn Creek	B8-69	155389.11	222334.97	1189.25	1174.25	1175.36	0.00
Little Salt	B9-14	163118.17	228592.15	1166.82	1156.46	1157.08	0.00
Little Salt	B9-15	163357.90	228225.63	1163.65	1153.83	1154.46	0.00
Little Salt	B9-16	163870.48	227825.93	1162.60	1150.17	1150.80	0.00
Little Salt	B9-17	164271.58	227513.16	1165.88	1147.31	1147.98	0.00
Little Salt	B9-18	164686.48	227501.88	1163.07	1145.00	1145.54	0.00
Little Salt	B9-19	165039.04	227510.37	1159.82	1141.45	1142.00	0.00
Little Salt	B9-20	165415.32	227491.23	1156.53	1137.95	1138.48	0.00
Little Salt	B9-21	165474.31	227336.60	1152.04	1136.06	1136.63	0.00
Little Salt	B9-22	165556.67	227113.53	1153.19	1134.14	1134.72	0.00
Little Salt	B9-39	165773.02	226992.28	1154.75	1132.26	1132.95	0.00
Little Salt	B9-52	165235.72	227491.88	1158.00	1139.74	1140.29	0.00
Little Salt	B9-68	162112.60	229419.36	1186.02	1169.02	1169.70	0.00
Little Salt	B9-69	162448.07	229052.48	1175.99	1164.99	1165.68	0.00
Little Salt	B9-70	162787.97	228820.43	1176.35	1161.35	1161.96	0.00
Little Salt	B9-71	161614.14	229153.16	1192.17	1174.17	1174.83	0.00
Little Salt	B9-72	161279.86	229081.79	1193.83	1182.83	1183.33	0.00
Little Salt	B9-73	160879.83	229073.10	1197.99	1183.99	1185.00	0.00
Little Salt	B9-74	160373.49	229091.47	1197.55	1185.45	1186.39	0.00
Little Salt	C-11	167200.32	218802.95	1145.00	1122.00	1122.91	0.00
Little Salt	C6-101	173930.71	212561.58	1163.82	1150.82	1152.45	0.00
Little Salt	C6-105	174281.70	212521.31	1163.66	1151.76	1153.50	3.23
Little Salt	C6-107	173502.01	212558.52	1161.23	1149.33	1151.00	0.00
Little Salt	C6-126	173481.40	213277.80	1160.70	1146.20	1147.88	0.00
Little Salt	C6-127	173169.32	213278.73	1157.61	1144.83	1146.49	0.00
Little Salt	C6-131	172814.35	213279.24	1156.54	1143.24	1144.92	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	C6-132	172448.77	213279.76	1155.87	1141.67	1143.35	0.00
Little Salt	C6-134	172102.79	213271.02	1155.27	1140.17	1141.85	0.00
Little Salt	C6-169	166142.31	213933.94	1143.50	1127.00	1128.41	0.00
Little Salt	C6-171	166256.77	213771.56	1143.76	1127.26	1128.65	0.00
Little Salt	C6-172	166399.52	213859.99	1143.69	1127.55	1128.93	0.00
Little Salt	C6-175	167107.07	213973.31	1143.36	1128.46	1129.77	0.87
Little Salt	C6-177	167435.22	213974.25	1144.85	1128.85	1130.24	0.00
Little Salt	C6-180	167854.37	213975.45	1144.86	1129.36	1130.62	0.00
Little Salt	C6-181	168235.09	213976.53	1146.52	1129.82	1131.10	0.00
Little Salt	C6-184	168578.23	213977.51	1147.38	1130.38	1131.32	0.85
Little Salt	C6-186	168774.26	213916.85	1148.03	1130.53	1131.42	0.00
Little Salt	C6-187	168874.67	213917.14	1147.40	1131.40	1131.74	0.00
Little Salt	C6-188	168972.49	213977.24	1146.31	1131.61	1131.95	0.00
Little Salt	C6-189	169231.68	213977.98	1145.25	1131.05	1131.95	0.75
Little Salt	C6-190	169590.21	213979.00	1146.53	1132.33	1132.33	0.00
Little Salt	C6-191	169949.74	213980.02	1146.17	1132.77	1132.77	0.00
Little Salt	C6-192	170311.00	213980.03	1147.79	1133.24	1133.24	0.00
Little Salt	C6-193	170678.11	213985.64	1149.39	1133.69	1133.69	0.00
Little Salt	C6-194	171047.89	213978.83	1153.25	1134.15	1135.93	0.00
Little Salt	C6-195	171411.63	213968.68	1151.66	1135.62	1137.14	0.00
Little Salt	C6-197	172125.61	213969.00	1152.88	1136.88	1138.91	1.76
Little Salt	C6-199	172126.22	213589.51	1154.52	1138.82	1140.45	0.60
Little Salt	C6-230	171415.74	214148.93	1152.54	1135.88	1137.14	0.00
Little Salt	C6-242	166396.00	214143.45	1143.04	1131.46	1132.05	0.00
Little Salt	C6-244	165902.87	214302.12	1142.12	1127.42	1128.45	0.00
Little Salt	C6-245	166055.61	214673.65	1141.96	1127.96	1129.14	0.00
Little Salt	C6-246	166204.35	215045.18	1141.02	1128.52	1129.70	0.00
Little Salt	C6-251	166509.84	215788.24	1141.62	1129.62	1130.81	0.00
Little Salt	C6-252	166355.45	215404.72	1143.38	1129.08	1130.26	1.29
Little Salt	C6-262	171404.52	214883.79	1149.90	1136.96	1137.14	0.00
Little Salt	C6-294	168700.61	213933.78	1148.08	1130.58	1131.42	0.00
Little Salt	C6-302	168311.78	213976.72	1143.05	1130.05	1131.15	2.57
Little Salt	C6-313	171403.93	215240.25	1149.80	1137.49	1137.49	4.64
Little Salt	C6-334	171403.40	215558.09	1148.41	1137.95	1137.95	0.00
Little Salt	C6-349	165758.32	213930.73	1140.73	1126.03	1128.00	0.00
Little Salt	C6-351	175812.91	211068.06	1172.28	1156.28	1158.15	1.52
Little Salt	C6-352	171405.12	214519.78	1150.76	1136.44	1137.14	0.00
Little Salt	C6-375	171403.03	215406.81	1148.90	1137.70	1137.70	0.00
Little Salt	C6-388	171752.03	213968.77	1151.47	1135.97	1138.12	0.00
Little Salt	C6-393	166580.00	213971.80	1143.67	1127.77	1129.11	0.00
Little Salt	C6-399	171043.49	214339.43	1150.00	1133.20	1135.20	0.00
Little Salt	C6-400	171038.87	214674.58	1149.50	1132.70	1134.65	0.00
Little Salt	C6-406	171038.29	215025.80	1148.64	1132.04	1134.09	0.00
Little Salt	C6-407	171047.57	215459.02	1146.60	1131.60	1133.22	0.00
Little Salt	C6-431	165691.68	214137.78	1143.89	1131.05	1131.96	0.00
Little Salt	C6-432	165674.64	214137.03	1143.89	1131.05	1131.95	0.00
Little Salt	C6-448	170950.09	215906.22	1148.92	1129.92	1132.07	0.00
Little Salt	C6-449	171014.19	215906.30	1148.53	1130.03	1132.15	0.00
Little Salt	C6-450	171046.88	215876.35	1148.13	1130.13	1132.20	0.00
Little Salt	C6-452	171402.36	215888.92	1150.42	1138.42	1138.42	0.00
Little Salt	C6-480	176067.34	210808.72	1170.67	1156.72	1158.83	0.00
Little Salt	C6-49	175432.23	211441.64	1170.19	1155.19	1157.08	0.00
Little Salt	C6-492	167334.71	213973.97	1143.95	1128.75	1130.15	0.00
Little Salt	C6-495	166585.83	215813.28	1147.75	1132.75	1133.44	0.59
Little Salt	C6-496	166477.78	215573.27	1147.75	1132.43	1133.13	0.00
Little Salt	C6-497	166268.92	214977.67	1146.68	1131.68	1132.50	0.00
Little Salt	C6-498	166104.87	214581.10	1146.36	1131.36	1132.24	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	C6-499	165929.85	214133.65	1146.00	1131.00	1132.05	0.00
Little Salt	C6-500	165858.28	213931.46	1141.50	1126.50	1128.02	0.00
Little Salt	C6-56	175175.69	211694.33	1169.04	1154.44	1156.30	0.00
Little Salt	C6-89	174895.02	211972.05	1168.90	1153.70	1155.54	0.00
Little Salt	C6-95	174651.51	212244.05	1165.68	1152.95	1154.72	0.00
Little Salt	C7-151	176186.11	221101.72	1150.84	1137.74	1138.75	1.11
Little Salt	C7-152	176035.31	221185.39	1150.50	1137.40	1138.63	0.00
Little Salt	C7-155	175694.09	221212.79	1149.23	1136.73	1137.97	0.00
Little Salt	C7-158	175393.76	221198.82	1146.56	1136.06	1137.30	0.00
Little Salt	C7-159	175110.18	221206.07	1144.58	1135.38	1136.60	0.00
Little Salt	C7-162	174299.70	221168.36	1142.47	1133.15	1133.61	0.00
Little Salt	C7-164	174228.24	220904.54	1141.65	1133.15	1133.47	0.50
Little Salt	C7-165	174193.59	220776.62	1141.86	1132.96	1133.30	0.00
Little Salt	C7-166	173868.82	220553.30	1142.29	1132.49	1132.79	0.00
Little Salt	C7-167	173575.64	220388.18	1144.42	1131.92	1132.20	0.00
Little Salt	C7-170	173358.98	220185.75	1143.32	1131.32	1131.68	0.00
Little Salt	C7-175	173140.45	219928.06	1144.50	1130.67	1131.34	0.00
Little Salt	C7-176	171343.07	218960.04	1136.10	1128.10	1128.76	0.00
Little Salt	C7-182	172853.06	219625.62	1141.36	1130.00	1130.77	0.00
Little Salt	C7-183	172695.61	219462.75	1142.74	1129.64	1130.57	0.00
Little Salt	C7-184	172451.38	219196.63	1145.91	1129.61	1130.33	0.00
Little Salt	C7-185	172234.00	218954.74	1148.36	1129.18	1129.91	0.00
Little Salt	C7-194	171883.30	218958.04	1145.93	1128.73	1129.46	0.00
Little Salt	C7-231	166692.94	216247.36	1145.00	1130.13	1131.29	0.00
Little Salt	C7-232	171546.11	218959.15	1138.28	1128.28	1129.04	0.00
Little Salt	C7-233	171194.49	218960.60	1238.73	1127.83	1128.32	0.00
Little Salt	C7-255	171402.11	215922.32	1150.77	1138.47	1138.47	0.00
Little Salt	C7-276	170896.79	218421.46	1139.21	1126.21	1128.32	0.00
Little Salt	C7-281	173058.05	219857.33	1144.81	1130.45	1131.17	0.00
Little Salt	C7-29	171402.11	216258.80	1153.36	1138.96	1138.96	0.00
Little Salt	C7-30	171403.96	216626.70	1150.19	1139.49	1139.49	0.00
Little Salt	C7-303	165759.58	218071.83	1144.43	1129.03	1129.91	0.00
Little Salt	C7-304	166014.88	218343.97	1141.83	1128.63	1129.40	2.20
Little Salt	C7-305	166269.08	218549.91	1141.00	1128.10	1128.89	0.00
Little Salt	C7-306	166558.51	218672.01	1142.53	1127.63	1128.42	0.00
Little Salt	C7-307	166927.06	218823.52	1143.03	1127.03	1127.82	0.00
Little Salt	C7-308	167207.78	218928.13	1141.58	1126.58	1127.05	0.00
Little Salt	C7-309	167337.03	218930.60	1141.97	1124.57	1126.72	0.00
Little Salt	C7-310	167461.13	219381.52	1142.04	1124.74	1126.89	0.66
Little Salt	C7-311	167553.86	219821.88	1142.02	1124.92	1127.05	0.00
Little Salt	C7-312	167656.88	220311.18	1142.02	1125.12	1127.23	0.00
Little Salt	C7-313	167759.93	220800.48	1142.02	1125.32	1127.41	0.00
Little Salt	C7-314	167835.11	221157.38	1141.97	1125.47	1127.55	0.00
Little Salt	C7-316	173213.03	220011.25	1144.09	1130.89	1131.54	0.00
Little Salt	C7-33	171588.84	216626.70	1149.60	1140.20	1140.20	2.19
Little Salt	C7-338	166820.82	216627.97	1139.06	1130.56	1131.82	0.00
Little Salt	C7-339	166940.20	217008.72	1139.04	1131.04	1132.30	0.00
Little Salt	C7-340	167075.27	217435.64	1139.38	1131.58	1132.84	0.00
Little Salt	C7-341	167149.18	217774.96	1137.80	1132.00	1133.29	0.00
Little Salt	C7-343	167301.07	218851.97	1143.04	1125.54	1126.65	0.00
Little Salt	C7-375	170910.39	221187.60	1138.00	1122.98	1125.35	0.00
Little Salt	C7-376	170909.03	220749.52	1137.52	1123.22	1125.62	0.00
Little Salt	C7-377	170906.77	220314.47	1138.48	1123.48	1125.88	0.00
Little Salt	C7-378	170904.46	219869.42	1140.45	1124.55	1126.45	0.00
Little Salt	C7-379	170902.10	219414.37	1139.34	1125.14	1127.16	0.00
Little Salt	C7-380	170899.72	218956.32	1139.73	1125.73	1127.78	0.00
Little Salt	C7-381	170897.92	218609.28	1140.04	1126.04	1128.13	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	C7-382	170895.97	218264.54	1139.85	1126.35	1128.47	0.00
Little Salt	C7-383	170893.97	217882.08	1143.20	1126.70	1128.83	0.00
Little Salt	C7-384	171316.87	217284.99	1144.72	1128.55	1130.02	0.00
Little Salt	C7-385	171319.62	217224.86	1144.79	1128.60	1130.22	0.00
Little Salt	C7-386	170931.30	216905.25	1146.23	1128.98	1130.99	0.00
Little Salt	C7-387	170927.15	216798.10	1147.01	1129.09	1131.11	0.00
Little Salt	C7-390	170905.48	216257.24	1150.69	1129.69	1131.68	0.29
Little Salt	C7-391	170906.14	215982.29	1146.22	1129.90	1131.98	0.00
Little Salt	C7-395	170906.94	216534.13	1148.65	1129.32	1131.39	0.00
Little Salt	C7-396	171095.39	217599.61	1147.21	1127.01	1129.15	0.00
Little Salt	C7-398	174888.84	221208.99	1143.71	1134.71	1135.69	0.00
Little Salt	C7-427	167250.87	218181.55	1148.35	1135.35	1136.24	0.00
Little Salt	C7-428	167203.29	217808.56	1147.96	1134.96	1135.69	0.00
Little Salt	C7-429	167104.69	217398.15	1145.52	1134.52	1135.23	0.00
Little Salt	C7-430	166919.11	216683.14	1143.72	1133.72	1134.44	0.00
Little Salt	C7-431	166665.45	216018.56	1147.96	1132.96	1133.72	0.00
Little Salt	C8-10	168533.72	224446.19	1151.99	1129.09	1130.63	0.00
Little Salt	C8-102	175004.67	222306.42	1144.50	1130.50	1131.24	0.00
Little Salt	C8-11	168594.52	224870.86	1143.00	1129.30	1130.91	0.00
Little Salt	C8-115	168428.50	223897.55	1149.69	1128.69	1130.22	0.00
Little Salt	C8-12	168647.33	225252.53	1141.05	1129.65	1131.19	0.00
Little Salt	C8-122	168111.21	222471.36	1141.69	1127.69	1129.22	0.00
Little Salt	C8-13	168304.67	225521.48	1140.98	1129.88	1131.48	2.22
Little Salt	C8-14	167958.93	225809.52	1141.02	1130.12	1131.75	0.00
Little Salt	C8-15	167594.83	226088.40	1140.95	1130.35	1132.01	0.00
Little Salt	C8-16	167226.03	226407.89	1142.32	1130.52	1132.26	0.00
Little Salt	C8-20	176240.27	225876.30	1137.77	1116.57	1118.93	0.00
Little Salt	C8-21	176215.35	225385.86	1137.67	1116.87	1119.32	0.00
Little Salt	C8-22	176226.22	224895.91	1140.96	1117.16	1119.67	0.00
Little Salt	C8-23	176219.20	224405.96	1137.05	1117.45	1120.00	0.00
Little Salt	C8-24	176212.23	223920.14	1139.74	1117.74	1120.31	0.00
Little Salt	C8-25	176150.51	223862.43	1139.49	1117.79	1120.37	0.00
Little Salt	C8-26	175683.85	223871.87	1137.62	1118.02	1120.61	0.00
Little Salt	C8-27	175397.31	223878.61	1138.65	1118.25	1120.84	0.00
Little Salt	C8-28	175031.54	223892.40	1141.48	1118.48	1121.08	0.00
Little Salt	C8-29	174579.49	223879.90	1142.84	1119.24	1121.37	0.00
Little Salt	C8-30	174139.50	223883.19	1136.51	1119.51	1121.74	0.00
Little Salt	C8-31	173609.87	223883.05	1136.97	1119.77	1122.06	0.00
Little Salt	C8-32	173109.79	223886.71	1135.97	1120.07	1122.40	0.00
Little Salt	C8-33	172634.64	223890.18	1136.96	1120.36	1122.71	0.00
Little Salt	C8-34	172164.98	223893.61	1133.44	1120.64	1123.01	0.00
Little Salt	C8-35	172103.67	223827.11	1135.99	1120.69	1123.07	0.00
Little Salt	C8-36	172102.40	223298.28	1136.50	1121.00	1123.39	0.00
Little Salt	C8-37	172101.17	222788.28	1137.51	1121.31	1123.70	0.00
Little Salt	C8-38	172100.06	222272.91	1138.02	1121.62	1124.01	0.00
Little Salt	C8-39	172098.97	221758.05	1147.73	1121.93	1124.33	0.00
Little Salt	C8-4	167945.94	221675.99	1143.02	1126.92	1128.43	0.00
Little Salt	C8-40	172097.99	221295.98	1145.04	1122.21	1124.61	0.00
Little Salt	C8-41	172069.23	221268.68	1142.73	1122.23	1124.63	0.00
Little Salt	C8-42	171705.51	221267.51	1133.75	1122.45	1124.85	0.00
Little Salt	C8-43	171345.50	221266.35	1138.77	1122.67	1125.07	0.00
Little Salt	C8-44	170984.84	221267.01	1137.99	1122.89	1125.29	0.00
Little Salt	C8-45	175029.78	223438.89	1142.13	1123.23	1124.02	0.00
Little Salt	C8-46	175019.44	222992.66	1145.48	1125.48	1126.47	0.00
Little Salt	C8-47	175010.58	222544.79	1142.92	1127.72	1128.66	0.00
Little Salt	C8-48	175000.23	222081.99	1142.27	1129.97	1131.62	0.00
Little Salt	C8-49	174989.89	221642.16	1142.22	1132.22	1133.14	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	C8-5	168052.30	222193.45	1143.04	1127.34	1128.92	0.00
Little Salt	C8-50	174870.62	221234.14	1143.60	1134.51	1135.57	0.00
Little Salt	C8-51	174963.13	221271.12	1143.57	1134.27	1135.17	0.00
Little Salt	C8-6	168158.09	222682.13	1138.96	1127.76	1129.37	0.00
Little Salt	C8-7	168265.77	223170.40	1138.99	1128.19	1129.72	0.00
Little Salt	C8-70	174995.80	221894.82	1147.64	1130.84	1131.96	0.00
Little Salt	C8-71	167980.11	221855.07	1143.36	1127.06	1128.56	0.00
Little Salt	C8-8	168373.90	223646.30	1141.03	1128.53	1130.07	0.00
Little Salt	C8-9	168464.31	224058.36	1148.02	1128.82	1130.35	0.00
Little Salt	C8-90	167853.44	221243.46	1140.54	1126.54	1127.66	0.00
Little Salt	C8-92	168413.39	223827.37	1148.13	1128.63	1130.17	3.60
Little Salt	C9-1	166804.95	226569.22	1141.04	1130.84	1132.50	0.00
Little Salt	C9-10	176253.48	226886.06	1134.37	1115.57	1118.16	0.00
Little Salt	C9-12	166356.15	228409.62	1144.86	1134.03	1134.76	0.00
Little Salt	C9-13	166494.20	228065.27	1146.55	1133.07	1133.93	2.47
Little Salt	C9-14	166491.54	227530.90	1147.63	1132.63	1133.47	0.00
Little Salt	C9-2	166326.33	226734.35	1141.99	1131.09	1132.76	0.00
Little Salt	C9-23	166477.60	227165.82	1151.35	1132.35	1133.06	0.00
Little Salt	C9-3	165930.04	226872.30	1144.03	1131.33	1132.91	0.00
Little Salt	C9-4	165769.46	226873.48	1144.91	1131.41	1132.96	0.00
Little Salt	C9-50	168136.16	226538.11	1150.73	1133.38	1133.38	2.80
Little Salt	C9-51	167678.14	226549.96	1140.79	1132.79	1132.79	0.00
Little Salt	C9-52	167367.49	226685.52	1147.97	1132.37	1132.37	0.00
Little Salt	C9-6	176282.31	228919.76	1135.70	1114.50	1116.96	0.00
Little Salt	C9-7	176275.33	228430.38	1135.35	1114.85	1117.36	0.00
Little Salt	C9-8	176268.05	227920.43	1134.61	1115.21	1117.73	0.00
Little Salt	C9-9	176274.31	227400.51	1142.27	1115.39	1117.75	0.00
Little Salt	D4-262	184011.00	204268.89	1225.00	1215.00	1215.70	0.00
Little Salt	D4-462	184123.96	205028.29	1223.35	1208.35	1209.12	4.47
Little Salt	D4-463	184115.45	204542.75	1227.49	1212.19	1212.92	1.33
Little Salt	D4-481	182357.05	205250.32	1202.40	1195.50	1196.81	0.00
Little Salt	D4-482	182753.82	205253.49	1204.80	1197.90	1199.04	0.18
Little Salt	D4-483	182790.42	205227.77	1204.97	1198.17	1199.30	0.00
Little Salt	D4-484	183184.39	205230.91	1213.52	1200.52	1201.65	0.00
Little Salt	D4-485	183511.86	205239.31	1218.03	1202.83	1203.78	0.00
Little Salt	D4-486	183939.65	205242.68	1220.97	1204.97	1206.28	0.00
Little Salt	D5-119	180236.17	206844.07	1198.10	1177.60	1178.81	1.62
Little Salt	D5-121	179950.92	207044.12	1194.74	1176.14	1177.41	0.00
Little Salt	D5-122	179631.01	207257.43	1191.12	1173.72	1175.07	2.47
Little Salt	D5-151	179332.23	207466.97	1189.58	1171.48	1173.48	0.00
Little Salt	D5-152	179027.63	207680.60	1185.72	1169.22	1171.84	0.00
Little Salt	D5-153	179027.68	207897.41	1189.51	1167.61	1170.82	0.00
Little Salt	D5-16	181762.46	205665.67	1204.17	1191.17	1192.35	1.88
Little Salt	D5-17	182061.33	205457.51	1210.44	1193.34	1194.51	0.00
Little Salt	D5-209	178474.27	208586.60	1178.90	1164.60	1167.57	0.00
Little Salt	D5-210	178840.54	208470.99	1185.25	1165.43	1168.89	0.00
Little Salt	D5-213	178999.12	208255.11	1188.27	1166.57	1169.73	0.55
Little Salt	D5-275	178129.22	208790.69	1178.92	1163.32	1166.20	0.00
Little Salt	D5-276	177826.78	209077.76	1181.48	1161.98	1164.78	0.00
Little Salt	D5-324	177568.75	209470.34	1176.50	1160.20	1163.16	0.00
Little Salt	D5-325	177197.26	209792.68	1175.03	1159.43	1162.15	0.90
Little Salt	D5-326	176830.47	210110.37	1173.46	1158.66	1161.22	0.00
Little Salt	D5-339	176459.68	210432.90	1173.10	1157.90	1160.27	0.00
Little Salt	D5-386	179027.77	207986.46	1184.19	1167.34	1170.54	0.00
Little Salt	D5-414	179956.62	206576.49	1193.07	1177.07	1177.41	0.00
Little Salt	D5-417	182249.10	205325.51	1206.94	1194.94	1196.10	0.00
Little Salt	D5-434	179027.88	208091.54	1185.05	1166.85	1170.25	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	D5-45	181461.20	205875.79	1203.59	1184.49	1185.64	0.00
Little Salt	D5-46	181462.07	205979.41	1203.16	1183.96	1185.16	0.76
Little Salt	D5-482	178697.16	208516.34	1184.46	1165.36	1168.37	0.00
Little Salt	D5-483	179491.40	207346.10	1190.90	1172.70	1174.29	0.00
Little Salt	D5-51	181424.12	205995.04	1202.37	1182.37	1183.53	0.00
Little Salt	D5-513	176328.82	210555.73	1173.10	1157.18	1159.56	0.00
Little Salt	D5-62	179919.32	206539.20	1195.14	1185.64	1185.64	0.00
Little Salt	D5-63	181143.94	206199.93	1200.28	1180.78	1182.02	0.00
Little Salt	D5-67	180540.91	206630.95	1194.99	1179.19	1180.38	0.00
Little Salt	D7-142	178197.14	219422.66	1157.52	1145.87	1146.81	0.00
Little Salt	D7-197	178181.67	219818.47	1153.98	1144.58	1145.54	0.00
Little Salt	D7-208	178181.60	220198.49	1153.63	1143.29	1144.19	0.00
Little Salt	D7-237	178197.33	220594.30	1152.77	1141.77	1142.78	0.00
Little Salt	D7-238	178197.27	221171.19	1153.28	1140.62	1142.15	0.00
Little Salt	D7-239	178197.28	220974.32	1152.35	1141.01	1142.31	0.00
Little Salt	D7-247	178018.27	221172.56	1151.32	1140.02	1142.04	0.00
Little Salt	D7-264	176826.79	221142.21	1151.93	1138.73	1140.42	1.51
Little Salt	D7-267	177640.66	221175.39	1149.55	1139.75	1141.55	0.00
Little Salt	D7-278	179615.09	219237.03	1167.30	1150.61	1151.28	0.00
Little Salt	D7-279	179234.58	219236.88	1164.50	1148.66	1149.64	3.10
Little Salt	D7-280	178849.56	219205.18	1165.30	1148.09	1148.98	0.00
Little Salt	D7-281	178556.88	219202.78	1160.30	1147.34	1148.25	0.00
Little Salt	D7-283	178197.37	219202.78	1158.20	1146.62	1147.57	0.00
Little Salt	D7-415	176803.27	221145.45	1152.90	1138.75	1140.68	0.00
Little Salt	D7-416	177097.41	221163.27	1150.60	1139.13	1140.81	0.00
Little Salt	D7-417	177193.38	221155.12	1149.70	1139.29	1140.87	0.00
Little Salt	D7-418	177243.90	221193.87	1150.00	1139.40	1140.92	0.00
Little Salt	D7-445	186793.47	221171.87	1153.40	1146.09	1146.88	1.22
Little Salt	D7-446	186349.95	221173.84	1159.10	1145.55	1146.34	0.00
Little Salt	D7-447	185900.89	221169.84	1160.36	1145.01	1145.80	0.00
Little Salt	D7-448	185349.90	221163.79	1160.30	1144.35	1145.14	0.00
Little Salt	D7-449	184748.95	221157.07	1154.70	1143.63	1144.43	0.00
Little Salt	D7-450	184150.06	221151.13	1169.50	1142.91	1143.74	0.00
Little Salt	D7-451	183550.06	221144.84	1158.32	1142.19	1142.73	0.00
Little Salt	D7-452	182992.49	221138.94	1161.55	1141.53	1142.49	0.00
Little Salt	D7-453	182885.68	221134.67	1163.86	1141.27	1141.99	0.00
Little Salt	D7-456	178197.48	220756.49	1152.00	1141.27	1142.53	0.00
Little Salt	D7-458	186760.72	219193.79	1161.10	1150.88	1151.60	0.00
Little Salt	D7-459	186769.75	219738.77	1156.80	1149.63	1150.34	0.00
Little Salt	D7-460	186778.85	220288.62	1156.92	1148.36	1149.09	0.00
Little Salt	D7-461	186787.12	220788.49	1155.90	1147.21	1147.88	0.00
Little Salt	D8-141	181580.70	225458.16	1146.65	1130.95	1131.74	0.00
Little Salt	D8-147	176907.89	225315.85	1134.15	1126.15	1126.66	0.00
Little Salt	D8-149	176817.05	225649.58	1134.06	1124.96	1125.68	1.55
Little Salt	D8-150	176796.76	226019.18	1132.61	1124.61	1125.31	0.00
Little Salt	D8-151	176807.01	226352.46	1136.43	1124.23	1124.66	0.00
Little Salt	D8-163	176512.02	226354.85	1135.00	1121.65	1121.98	0.00
Little Salt	D8-171	181587.60	225912.85	1142.84	1129.54	1130.32	0.00
Little Salt	D8-185	181569.20	224781.11	1147.37	1132.27	1133.27	0.00
Little Salt	D8-218	182893.40	221570.70	1167.70	1140.44	1141.16	0.00
Little Salt	D8-219	182903.53	222173.86	1160.80	1139.50	1140.22	0.00
Little Salt	D8-220	182911.95	222673.84	1158.10	1138.57	1139.29	0.00
Little Salt	D8-221	182922.05	223273.80	1156.20	1137.63	1138.36	0.00
Little Salt	D8-222	182930.85	223798.78	1174.37	1136.74	1137.47	0.00
Little Salt	D8-223	182939.72	224325.96	1172.58	1135.84	1136.52	0.00
Little Salt	D8-224	182276.85	224334.85	1170.55	1134.71	1135.48	0.00
Little Salt	D8-225	181747.18	224341.88	1168.58	1133.81	1134.63	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	D8-226	181679.11	224481.57	1167.05	1133.24	1133.96	0.00
Little Salt	D8-229	186686.64	225879.86	1146.08	1112.84	1117.84	1.54
Little Salt	D8-230	186181.21	226175.76	1127.84	1112.84	1117.70	8.76
Little Salt	D8-81	181556.79	224489.85	1151.75	1136.25	1136.32	0.00
Little Salt	D8-86	181573.80	225059.44	1146.59	1131.99	1132.80	0.10
Little Salt	D8-87	181566.13	224610.88	1147.16	1132.56	1133.51	0.00
Little Salt	D8-88	181583.00	225571.64	1147.25	1130.55	1131.33	0.00
Little Salt	D8-89	181589.90	225968.06	1142.68	1129.38	1130.15	0.00
Little Salt	D8-91	181576.10	225159.12	1146.05	1131.75	1132.53	0.00
Little Salt	D9-100	185045.54	228217.65	1126.33	1111.33	1116.28	0.00
Little Salt	D9-101	184559.54	228982.15	1125.95	1110.95	1115.86	0.00
Little Salt	D9-102	184083.65	229808.67	1125.57	1110.57	1115.33	8.76
Little Salt	D9-103	183827.52	229821.24	1125.25	1110.48	1114.77	1.61
Little Salt	D9-12	181593.26	228533.14	1142.00	1124.00	1124.75	0.00
Little Salt	D9-29	181600.80	228141.22	1142.74	1125.49	1126.23	0.00
Little Salt	D9-30	181599.45	227701.01	1140.99	1126.15	1127.10	0.00
Little Salt	D9-31	181598.58	227260.81	1139.36	1126.81	1127.75	0.00
Little Salt	D9-32	181597.46	226820.41	1140.00	1127.47	1128.41	0.00
Little Salt	D9-58	176931.59	228999.08	1135.90	1113.60	1116.57	0.00
Little Salt	D9-59	177215.81	228997.25	1134.54	1113.44	1116.47	0.00
Little Salt	D9-60	177784.56	228993.67	1128.74	1113.24	1116.29	0.00
Little Salt	D9-61	178332.18	228990.05	1129.84	1113.04	1116.11	0.00
Little Salt	D9-62	178831.58	228986.81	1138.64	1112.84	1115.94	0.00
Little Salt	D9-63	179299.55	228985.51	1142.64	1112.64	1115.79	0.00
Little Salt	D9-64	179799.42	228982.28	1137.94	1112.44	1115.64	0.00
Little Salt	D9-65	180292.11	228978.94	1133.76	1112.11	1115.52	0.00
Little Salt	D9-66	180674.42	228976.98	1132.37	1112.07	1115.42	0.88
Little Salt	D9-67	181099.70	228973.40	1130.88	1111.88	1115.31	0.00
Little Salt	D9-68	181577.69	228881.24	1137.80	1122.40	1122.75	0.00
Little Salt	D9-69	181323.41	228972.44	1135.90	1111.60	1115.27	0.00
Little Salt	D9-70	181516.23	229047.29	1133.27	1111.47	1115.23	0.00
Little Salt	D9-71	181579.24	229410.67	1130.63	1111.43	1115.13	0.00
Little Salt	D9-72	181580.27	229804.80	1133.72	1111.22	1115.04	0.00
Little Salt	D9-73	181630.66	229863.24	1133.18	1111.18	1115.03	0.00
Little Salt	D9-74	182146.86	229857.22	1131.10	1110.90	1114.92	0.00
Little Salt	D9-75	182660.69	229842.26	1128.62	1110.62	1114.82	0.00
Little Salt	D9-76	183170.70	229836.64	1135.84	1110.34	1114.72	0.00
Little Salt	D9-77	183690.72	229831.41	1125.05	1110.27	1114.63	0.00
Little Salt	D9-78	181588.03	228562.65	1142.00	1123.90	1124.65	0.00
Little Salt	D9-84	181596.10	226383.36	1141.43	1128.13	1129.07	0.00
Little Salt	D9-85	176611.81	229000.57	1136.85	1113.75	1116.69	0.00
Little Salt	D9-98	185708.11	227009.38	1127.09	1112.09	1117.02	0.00
Little Salt	D9-99	185526.49	227410.88	1126.71	1111.71	1116.70	0.00
Little Salt	D9-JNC	183733.40	229894.80	1131.20	1110.25	1114.61	0.00
Little Salt	D9-WWTP	183737.76	230304.45	1132.00	1110.00	1112.50	0.00
Little Salt	E7-10	188878.50	217827.13	1169.80	1160.40	1161.17	0.00
Little Salt	E7-11	188620.39	218027.27	1172.99	1159.81	1160.58	0.00
Little Salt	E7-12	188675.65	218383.21	1168.76	1159.16	1159.93	0.00
Little Salt	E7-13	188732.88	218743.92	1168.68	1158.50	1159.27	0.00
Little Salt	E7-14	188642.20	218946.10	1168.51	1158.10	1158.87	0.00
Little Salt	E7-15	188091.36	219218.68	1162.56	1156.99	1157.76	0.00
Little Salt	E7-16	187480.86	219218.63	1167.35	1155.89	1156.74	0.00
Little Salt	E7-17	186890.69	219218.76	1161.20	1154.83	1155.10	0.00
Little Salt	E7-18	186865.99	219193.77	1161.38	1151.16	1151.86	0.00
Little Salt	E7-6	190245.27	216892.51	1187.15	1163.58	1164.34	0.00
Little Salt	E7-7	189971.86	217222.44	1173.09	1162.75	1163.60	2.32
Little Salt	E7-8	189698.08	217552.80	1171.27	1162.19	1163.04	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	E7-9	189327.98	218090.75	1167.75	1161.34	1162.11	0.00
Beals & Salt Valley	A4-172	155030.15	201318.60	1149.58	1140.38	1141.22	0.00
Beals & Salt Valley	B0-151	157249.91	184183.02	1170.27	1158.27	1159.21	0.00
Beals & Salt Valley	B0-208	157516.36	179093.14	1172.57	1162.06	1164.59	0.00
Beals & Salt Valley	B0-209	157425.85	179567.24	1179.64	1161.19	1164.32	0.00
Beals & Salt Valley	B0-210	157390.66	180159.12	1173.65	1161.45	1164.02	0.00
Beals & Salt Valley	B0-211	157355.71	180678.88	1169.92	1161.20	1163.60	0.00
Beals & Salt Valley	B0-212	157323.92	181222.01	1170.04	1160.59	1163.16	0.00
Beals & Salt Valley	B0-213	157284.51	181826.23	1169.94	1160.11	1162.73	0.00
Beals & Salt Valley	B0-214	157244.60	182480.30	1175.07	1159.78	1162.23	0.00
Beals & Salt Valley	B0-215	157481.32	182420.14	1179.55	1159.55	1162.13	0.00
Beals & Salt Valley	B0-216	157356.77	183091.97	1178.34	1159.40	1161.58	0.53
Beals & Salt Valley	B0-217	157322.20	183505.11	1170.04	1158.96	1161.00	0.00
Beals & Salt Valley	B0-218	157274.13	184100.61	1169.89	1158.49	1159.20	0.00
Beals & Salt Valley	B1-1	157244.93	187866.63	1157.80	1137.48	1145.59	2.41
Beals & Salt Valley	B1-158	158505.82	188448.46	1170.25	1154.75	1155.21	0.00
Beals & Salt Valley	B1-159	158297.64	188075.75	1170.39	1155.09	1155.91	0.00
Beals & Salt Valley	B1-160	158089.96	187713.00	1163.62	1155.42	1156.27	0.00
Beals & Salt Valley	B1-161	157882.28	187350.25	1163.96	1155.76	1156.61	0.00
Beals & Salt Valley	B1-162	157678.57	186994.44	1164.49	1156.09	1156.94	0.00
Beals & Salt Valley	B1-163	157472.35	186634.30	1164.82	1156.42	1157.27	0.00
Beals & Salt Valley	B1-164	157283.32	186262.38	1165.05	1156.75	1157.60	0.00
Beals & Salt Valley	B1-165	157191.93	185855.62	1165.38	1157.08	1157.93	0.00
Beals & Salt Valley	B1-166	157194.98	185438.08	1165.72	1157.42	1158.27	0.00
Beals & Salt Valley	B1-167	157213.03	185025.46	1166.15	1157.75	1158.60	0.00
Beals & Salt Valley	B1-168	157231.27	184608.80	1166.48	1158.08	1158.93	0.00
Beals & Salt Valley	B1-2	157245.33	187132.23	1165.09	1138.59	1145.76	0.00
Beals & Salt Valley	B1-239	165461.82	188839.68	1192.83	1173.67	1175.30	0.00
Beals & Salt Valley	B1-241	162336.88	189333.20	1181.22	1162.42	1163.97	0.00
Beals & Salt Valley	B1-262	161603.75	189488.41	1177.76	1159.26	1160.69	0.00
Beals & Salt Valley	B1-272	165287.93	188750.79	1189.42	1173.42	1174.90	0.00
Beals & Salt Valley	B1-289	156894.09	188695.84	1153.53	1135.46	1145.17	0.00
Beals & Salt Valley	B1-290	156852.03	189383.83	1157.45	1135.25	1144.64	0.00
Beals & Salt Valley	B1-291	165367.67	188880.37	1194.72	1172.87	1174.72	0.00
Beals & Salt Valley	B1-292	165228.38	188776.28	1190.11	1172.26	1174.25	0.00
Beals & Salt Valley	B1-293	165189.25	188741.13	1187.83	1171.98	1174.03	0.00
Beals & Salt Valley	B1-294	164361.51	188894.64	1184.63	1168.78	1170.79	0.00
Beals & Salt Valley	B1-295	163563.89	189006.12	1184.53	1165.68	1167.76	0.00
Beals & Salt Valley	B1-296	162959.52	189167.83	1178.19	1163.34	1165.20	0.28
Beals & Salt Valley	B1-298	162089.87	189360.50	1189.88	1160.03	1162.79	0.00
Beals & Salt Valley	B1-299	161984.84	189383.28	1180.44	1159.59	1162.28	0.00
Beals & Salt Valley	B1-3	157253.62	186318.42	1164.85	1139.70	1145.94	0.00
Beals & Salt Valley	B1-300	161729.69	189257.30	1174.88	1158.03	1160.97	0.00
Beals & Salt Valley	B1-301	161641.72	188707.67	1173.98	1155.13	1158.36	0.00
Beals & Salt Valley	B1-302	161067.47	188710.67	1171.99	1152.14	1155.54	0.00
Beals & Salt Valley	B1-303	160493.22	188710.67	1172.00	1149.15	1152.73	0.00
Beals & Salt Valley	B1-305	160496.70	188527.42	1168.89	1148.58	1151.94	0.00
Beals & Salt Valley	B1-306	159865.32	188545.34	1179.22	1146.61	1150.81	0.00
Beals & Salt Valley	B1-307	158686.10	188536.75	1172.87	1143.02	1148.62	0.41
Beals & Salt Valley	B1-308	158559.13	188537.38	1171.36	1142.51	1148.35	0.00
Beals & Salt Valley	B1-309	157851.92	188524.66	1163.18	1140.33	1147.10	0.00
Beals & Salt Valley	B1-310	157144.39	188428.75	1156.40	1136.55	1145.52	0.00
Beals & Salt Valley	B1-311	156901.61	188459.77	1166.61	1135.76	1145.34	0.00
Beals & Salt Valley	B1-4	157280.90	185459.76	1166.12	1140.81	1146.10	0.00
Beals & Salt Valley	B1-5	157142.89	185296.04	1165.72	1141.51	1146.14	0.00
Beals & Salt Valley	B1-6	157183.16	184699.76	1166.48	1142.57	1146.28	0.00
Beals & Salt Valley	B1-7	157225.64	184067.29	1170.27	1143.50	1146.50	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	B1-79	165569.27	188566.30	1189.61	1176.11	1176.82	0.00
Beals & Salt Valley	B1-8	157292.25	184022.92	1169.89	1158.49	1159.21	0.00
Beals & Salt Valley	B1-80	165260.33	188762.92	1189.50	1173.10	1174.85	0.00
Beals & Salt Valley	B1-82	164737.93	188863.59	1185.42	1171.62	1173.08	0.84
Beals & Salt Valley	B1-84	164148.50	188977.98	1185.01	1169.41	1170.85	0.00
Beals & Salt Valley	B1-86	163557.05	189097.11	1234.32	1167.11	1168.55	0.00
Beals & Salt Valley	B1-89	162982.34	189192.47	1180.24	1164.84	1166.35	0.00
Beals & Salt Valley	B1-91	162400.69	189324.40	1179.43	1162.83	1164.22	1.25
Beals & Salt Valley	B1-93	162111.68	189364.60	1180.51	1161.71	1162.73	0.00
Beals & Salt Valley	B1-95	161940.09	189415.35	1178.81	1160.61	1161.90	0.00
Beals & Salt Valley	B1S-10	159951.49	176343.08	1181.36	1169.14	1169.94	0.00
Beals & Salt Valley	B1S-11	159579.62	176344.11	1178.52	1167.95	1168.58	0.00
Beals & Salt Valley	B1S-12	159307.70	176194.85	1178.56	1165.07	1167.53	0.00
Beals & Salt Valley	B1S-13	158985.24	176584.42	1175.86	1164.76	1167.17	0.00
Beals & Salt Valley	B1S-14	158816.86	176893.76	1174.66	1164.33	1166.90	0.00
Beals & Salt Valley	B1S-15	158573.18	177340.32	1174.26	1164.06	1166.50	0.00
Beals & Salt Valley	B1S-16	158359.58	177733.59	1173.16	1163.73	1166.10	0.00
Beals & Salt Valley	B1S-17	158477.10	178192.32	1172.80	1163.18	1165.69	0.00
Beals & Salt Valley	B1S-18	158464.49	178418.10	1174.94	1162.90	1165.54	0.00
Beals & Salt Valley	B1S-19	158122.35	178609.26	1175.88	1162.68	1165.27	0.00
Beals & Salt Valley	B1S-20	157743.77	178759.78	1174.04	1162.57	1164.90	0.00
Beals & Salt Valley	B1S-21	157625.88	178796.05	1172.02	1162.27	1164.83	0.08
Beals & Salt Valley	B1S-5	162305.66	176128.21	1193.18	1180.83	1181.46	0.00
Beals & Salt Valley	B1S-56	161036.25	176151.56	1185.38	1172.69	1173.68	3.12
Beals & Salt Valley	B1S-57	160620.64	176221.99	1183.84	1171.55	1172.33	0.00
Beals & Salt Valley	B1S-58	160343.60	176223.61	1182.60	1170.69	1171.47	0.00
Beals & Salt Valley	B1S-59	160343.81	176156.61	1182.60	1170.48	1171.24	0.00
Beals & Salt Valley	B1S-6	160615.75	176098.54	1185.18	1171.98	1171.98	0.00
Beals & Salt Valley	B1S-72	160404.54	174033.52	1181.90	1168.70	1170.72	0.00
Beals & Salt Valley	B1S-73	160116.93	174560.10	1180.75	1167.97	1169.99	0.00
Beals & Salt Valley	B1S-74	159854.01	175041.23	1182.85	1167.30	1169.31	0.00
Beals & Salt Valley	B1S-75	159565.97	175569.53	1176.00	1166.57	1168.55	0.00
Beals & Salt Valley	B1S-76	159297.48	176061.43	1176.10	1165.89	1167.73	0.00
Beals & Salt Valley	B1S-9	160250.40	176176.79	1178.20	1170.13	1170.93	0.00
Beals & Salt Valley	B1S-94	161634.40	176193.67	1188.07	1176.57	1177.21	0.00
Beals & Salt Valley	B2-101	156763.32	194504.40	1153.76	1144.96	1146.77	7.30
Beals & Salt Valley	B2-102	157031.30	193878.33	1154.46	1145.76	1147.53	0.00
Beals & Salt Valley	B2-103	157279.58	193345.17	1155.11	1146.51	1148.36	0.00
Beals & Salt Valley	B2-104	157531.79	192818.35	1155.36	1147.26	1149.01	0.00
Beals & Salt Valley	B2-105	157825.31	192185.65	1160.86	1150.06	1151.76	0.00
Beals & Salt Valley	B2-106	158052.44	191719.04	1159.07	1148.77	1152.05	0.00
Beals & Salt Valley	B2-107	158288.71	191158.00	1168.33	1149.53	1152.30	0.00
Beals & Salt Valley	B2-108	158526.52	190614.76	1167.78	1150.28	1152.57	0.00
Beals & Salt Valley	B2-17	161035.36	189600.44	1176.05	1157.65	1158.97	0.00
Beals & Salt Valley	B2-20	160569.56	189759.13	1172.90	1155.60	1157.17	0.67
Beals & Salt Valley	B2-217	159352.70	189976.48	1171.35	1152.50	1154.33	0.13
Beals & Salt Valley	B2-298	160437.73	189825.27	1174.06	1155.26	1156.83	0.00
Beals & Salt Valley	B2-31	158795.28	190048.33	1164.82	1151.42	1153.15	0.27
Beals & Salt Valley	B2-32	159206.32	190037.98	1165.44	1152.34	1153.97	0.00
Beals & Salt Valley	B2-33	159600.74	190037.67	1173.56	1153.26	1154.78	0.00
Beals & Salt Valley	B2-34	159970.23	190037.37	1174.42	1154.12	1155.65	0.00
Beals & Salt Valley	B2-345	157635.49	192593.06	1156.08	1149.71	1150.68	0.00
Beals & Salt Valley	B2-35	160060.93	189987.00	1174.36	1154.36	1155.92	0.00
Beals & Salt Valley	B2-350	157179.05	193506.16	1159.90	1146.13	1148.14	0.00
Beals & Salt Valley	B2-361	158421.08	190851.30	1168.71	1149.91	1152.44	0.93
Beals & Salt Valley	B2-367	159208.18	189695.35	1167.05	1152.82	1154.33	0.00
Beals & Salt Valley	B2-37	160295.78	189890.18	1178.32	1154.92	1156.48	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	B2-397	156819.40	190116.21	1158.17	1135.01	1144.09	0.24
Beals & Salt Valley	B2-398	156788.99	190830.32	1161.42	1134.84	1143.57	0.00
Beals & Salt Valley	B2-399	156722.37	191523.11	1160.49	1134.64	1143.09	0.00
Beals & Salt Valley	B2-400	156665.01	192180.62	1168.81	1134.37	1142.60	0.00
Beals & Salt Valley	B2-401	156602.69	192898.23	1158.77	1134.17	1142.07	0.00
Beals & Salt Valley	B2-402	156561.70	193611.61	1158.55	1133.86	1141.52	0.00
Beals & Salt Valley	B2-403	156496.30	194606.21	1158.30	1133.51	1140.74	0.00
Beals & Salt Valley	B2S-37	161429.48	172095.37	1185.05	1171.12	1173.15	3.38
Beals & Salt Valley	B2S-38	161167.75	172598.19	1185.85	1170.62	1172.65	0.00
Beals & Salt Valley	B2S-39	160977.02	172964.10	1183.85	1170.14	1172.17	0.00
Beals & Salt Valley	B2S-40	160690.66	173491.36	1181.85	1169.42	1171.45	0.00
Beals & Salt Valley	B2S-41	162699.26	173516.33	1192.70	1179.30	1181.71	0.00
Beals & Salt Valley	B2S-42	162388.42	173231.60	1193.90	1177.98	1179.69	0.00
Beals & Salt Valley	B2S-43	162120.41	172997.36	1189.85	1176.86	1178.07	0.00
Beals & Salt Valley	B2S-44	161846.83	172763.09	1187.59	1174.68	1176.34	0.00
Beals & Salt Valley	B2S-45	161590.94	172532.50	1185.05	1171.12	1174.77	0.00
Beals & Salt Valley	B3-316	156416.95	196503.53	1154.89	1143.49	1143.49	0.00
Beals & Salt Valley	B3-374	156678.28	196501.59	1153.26	1143.96	1143.96	0.00
Beals & Salt Valley	B3-422	157077.97	196498.47	1153.27	1144.47	1144.47	0.00
Beals & Salt Valley	B3-461	156415.44	199577.38	1150.94	1143.34	1143.34	0.00
Beals & Salt Valley	B3-462	156413.57	199171.00	1150.36	1142.76	1142.76	0.00
Beals & Salt Valley	B3-463	156411.60	198751.08	1151.14	1143.24	1143.24	0.00
Beals & Salt Valley	B3-464	156409.31	198322.20	1150.91	1143.71	1143.71	0.00
Beals & Salt Valley	B3-465	156406.98	197892.75	1151.27	1144.17	1144.17	0.00
Beals & Salt Valley	B3-466	156405.18	197429.66	1152.71	1144.71	1144.71	0.00
Beals & Salt Valley	B3-472	156345.69	194908.94	1155.10	1144.20	1146.09	0.00
Beals & Salt Valley	B3-473	156316.42	194891.59	1154.20	1143.69	1145.70	1.38
Beals & Salt Valley	B3-476	156290.07	195325.05	1154.00	1143.50	1145.29	0.00
Beals & Salt Valley	B3-478	156204.34	195702.67	1152.59	1142.99	1144.68	0.00
Beals & Salt Valley	B3-480	156115.63	196097.85	1154.25	1142.25	1144.03	0.00
Beals & Salt Valley	B3-486	156002.32	197406.38	1171.16	1140.06	1141.67	0.00
Beals & Salt Valley	B3-490	155935.74	198080.88	1150.37	1139.47	1141.42	0.00
Beals & Salt Valley	B3-493	155870.42	198737.63	1150.25	1138.70	1140.96	0.00
Beals & Salt Valley	B3-496	155873.77	199290.48	1150.36	1138.86	1140.62	0.29
Beals & Salt Valley	B3-498	155880.75	199814.82	1147.67	1138.37	1139.85	0.00
Beals & Salt Valley	B3-500	157917.89	196493.45	1157.15	1146.25	1146.25	0.00
Beals & Salt Valley	B3-513	156063.87	196743.36	1151.20	1141.50	1143.07	0.00
Beals & Salt Valley	B3-525	158130.57	196493.13	1158.33	1147.23	1147.23	0.00
Beals & Salt Valley	B3-526	158551.21	196492.45	1127.60	1113.80	1131.22	0.00
Beals & Salt Valley	B3-527	158675.47	196492.28	1165.03	1149.73	1149.82	0.00
Beals & Salt Valley	B3-528	158716.97	196103.74	1164.95	1151.55	1152.35	0.00
Beals & Salt Valley	B3-529	158948.86	196034.06	1166.29	1152.69	1153.39	0.00
Beals & Salt Valley	B3-530	159183.72	196033.05	1167.90	1154.20	1154.84	0.00
Beals & Salt Valley	B3-531	159369.54	196038.77	1168.40	1155.05	1155.77	0.00
Beals & Salt Valley	B3-532	159760.13	196036.59	1216.85	1156.85	1157.55	0.00
Beals & Salt Valley	B3-533	160136.62	196022.62	1174.65	1160.55	1161.12	0.00
Beals & Salt Valley	B3-541	157465.84	196495.36	1155.07	1145.07	1145.07	3.18
Beals & Salt Valley	B3-627	156282.95	195304.48	1154.41	1143.51	1145.71	0.00
Beals & Salt Valley	B3-640	156349.13	199972.55	1152.31	1142.31	1142.31	0.00
Beals & Salt Valley	B3-641	156416.29	199890.38	1152.57	1142.57	1142.57	0.00
Beals & Salt Valley	B3-667	155997.58	197455.51	1154.25	1136.04	1141.65	0.00
Beals & Salt Valley	B3-668	156370.48	197451.65	1157.00	1144.55	1144.55	0.00
Beals & Salt Valley	B3-675	156297.15	198731.09	1152.28	1132.60	1137.54	0.00
Beals & Salt Valley	B3-676	156321.45	199842.73	1152.71	1131.60	1136.63	0.00
Beals & Salt Valley	B3-678	156404.05	195725.33	1155.95	1133.29	1139.88	0.00
Beals & Salt Valley	B3-679	156330.28	196297.10	1146.10	1133.24	1139.42	0.00
Beals & Salt Valley	B3-681	156303.47	196494.92	1156.25	1133.22	1139.25	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	B3-682	156296.21	197426.85	1162.84	1132.99	1138.55	0.00
Beals & Salt Valley	B3-683	156296.68	198093.61	1153.35	1132.85	1138.05	0.85
Beals & Salt Valley	B4-108	155897.43	200919.56	1148.53	1136.53	1138.67	0.00
Beals & Salt Valley	B4-13	156744.19	204970.61	1148.21	1137.21	1137.21	0.00
Beals & Salt Valley	B4-14	156792.61	204979.52	1149.68	1136.58	1136.58	0.00
Beals & Salt Valley	B4-171	156352.87	201940.40	1147.88	1139.88	1139.88	0.00
Beals & Salt Valley	B4-173	155891.65	201954.62	1147.80	1135.80	1137.96	0.00
Beals & Salt Valley	B4-178	155472.04	201307.66	1155.52	1139.32	1139.92	0.00
Beals & Salt Valley	B4-179	155894.75	201314.73	1149.22	1136.22	1138.34	0.00
Beals & Salt Valley	B4-18	156437.27	204974.15	1149.71	1133.56	1133.87	0.55
Beals & Salt Valley	B4-181	155895.86	201559.51	1152.89	1136.09	1138.14	0.00
Beals & Salt Valley	B4-183	156350.87	201541.24	1152.25	1140.25	1140.25	0.00
Beals & Salt Valley	B4-19	156404.01	204978.73	1153.11	1139.01	1139.01	0.00
Beals & Salt Valley	B4-20	156320.10	204984.04	1148.03	1139.23	1139.23	0.00
Beals & Salt Valley	B4-22	156437.06	204918.90	1147.66	1133.56	1133.92	0.00
Beals & Salt Valley	B4-243	156354.89	202341.28	1149.65	1139.65	1139.65	0.43
Beals & Salt Valley	B4-253	155837.98	202504.25	1148.93	1135.43	1137.26	0.00
Beals & Salt Valley	B4-254	155896.23	202544.96	1147.13	1134.63	1137.36	0.00
Beals & Salt Valley	B4-257	156356.90	202740.40	1149.79	1139.29	1139.29	0.00
Beals & Salt Valley	B4-321	156359.17	203141.43	1146.31	1138.91	1138.91	0.00
Beals & Salt Valley	B4-323	155902.32	202945.74	1147.59	1135.09	1137.16	0.00
Beals & Salt Valley	B4-326	155904.64	203356.79	1150.70	1134.80	1136.77	0.00
Beals & Salt Valley	B4-329	156362.12	203661.75	1151.53	1138.43	1138.43	0.00
Beals & Salt Valley	B4-390	155919.22	203943.57	1147.19	1134.39	1135.93	0.00
Beals & Salt Valley	B4-395	156295.34	204409.51	1143.06	1133.06	1134.55	0.00
Beals & Salt Valley	B4-397	156415.28	204601.91	1142.50	1133.80	1134.00	0.00
Beals & Salt Valley	B4-473	159071.70	204979.30	1168.09	1150.89	1168.16	0.00
Beals & Salt Valley	B4-474	158995.68	204979.71	1165.35	1150.84	1168.15	0.00
Beals & Salt Valley	B4-492	156438.61	205236.25	1148.33	1133.33	1133.66	0.00
Beals & Salt Valley	B4-503	158588.34	204981.91	1191.30	1179.30	1179.30	0.00
Beals & Salt Valley	B4-510	159992.46	205138.28	1170.53	1154.63	1168.28	0.00
Beals & Salt Valley	B4-511	159991.39	204926.25	1165.90	1153.90	1168.24	2.54
Beals & Salt Valley	B4-512	159604.43	204928.35	1168.58	1153.08	1168.21	0.00
Beals & Salt Valley	B4-513	159364.78	204929.64	1168.60	1151.90	1168.19	0.00
Beals & Salt Valley	B4-57	156352.54	200311.62	1151.40	1141.40	1141.40	0.00
Beals & Salt Valley	B4-589	156438.25	205171.64	1148.38	1133.38	1133.71	0.00
Beals & Salt Valley	B4-594	156347.82	200906.47	1150.45	1140.15	1140.15	0.00
Beals & Salt Valley	B4-60	155883.33	200328.49	1146.96	1136.96	1139.14	0.00
Beals & Salt Valley	B4-605	156351.72	201710.14	1150.55	1140.25	1140.25	0.00
Beals & Salt Valley	B4-609	155901.24	201726.17	1153.10	1135.47	1138.08	0.00
Beals & Salt Valley	B4-636	156353.62	200547.71	1151.12	1140.82	1140.82	0.00
Beals & Salt Valley	B4-637	157084.90	204973.25	1151.28	1137.48	1137.48	0.00
Beals & Salt Valley	B4-638	157381.74	204971.95	1150.93	1138.43	1138.43	0.00
Beals & Salt Valley	B4-639	157756.83	204969.67	1150.28	1139.63	1139.63	0.00
Beals & Salt Valley	B4-640	158138.88	204956.64	1154.04	1142.04	1142.04	0.00
Beals & Salt Valley	B4-641	158117.78	204969.93	1152.48	1141.98	1141.98	0.00
Beals & Salt Valley	B4-658	156848.22	204983.81	1147.75	1136.75	1136.75	0.00
Beals & Salt Valley	B4-678	156352.12	201790.27	1148.80	1140.20	1140.20	0.00
Beals & Salt Valley	B4-69	156354.44	200710.48	1149.84	1140.84	1140.84	0.00
Beals & Salt Valley	B4-690	156351.89	200078.78	1151.98	1141.98	1141.98	0.00
Beals & Salt Valley	B4-693	159669.16	204928.00	1170.40	1153.40	1168.21	0.00
Beals & Salt Valley	B4-696	157590.58	204970.32	1151.85	1139.85	1139.85	0.00
Beals & Salt Valley	B4-710	156463.64	204984.21	1147.76	1133.66	1133.66	0.00
Beals & Salt Valley	B4-736	156312.69	200840.15	1151.28	1130.69	1135.80	0.00
Beals & Salt Valley	B4-738	156316.56	201664.61	1151.28	1129.96	1135.08	2.76
Beals & Salt Valley	B4-739	156320.48	202488.60	1151.18	1129.22	1134.36	0.00
Beals & Salt Valley	B4-741	156331.27	203338.80	1141.31	1128.29	1133.64	0.00

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		X-Coord	Y-Coord				
Beals & Salt Valley	B4-742	156357.11	204479.46	1146.40	1133.40	1134.00	0.00
Beals & Salt Valley	B4-743	156343.81	204471.76	1140.15	1127.02	1132.69	0.00
Beals & Salt Valley	B4-XX1	156355.79	202519.45	1149.54	1139.54	1139.54	0.00
Beals & Salt Valley	B4-XX2	156356.01	202568.67	1148.91	1139.51	1139.51	0.00
Beals & Salt Valley	B5-121	156359.74	206275.20	1143.92	1132.52	1132.85	0.00
Beals & Salt Valley	B5-122	156361.38	206701.87	1142.68	1132.18	1132.46	0.00
Beals & Salt Valley	B5-160	156421.28	207947.20	1146.45	1130.93	1131.32	0.00
Beals & Salt Valley	B5-274	156701.99	208546.47	1144.48	1130.68	1130.68	0.00
Beals & Salt Valley	B5-275	156999.13	209127.37	1153.15	1129.94	1129.94	0.00
Beals & Salt Valley	B5-327	157296.57	209720.98	1149.30	1129.90	1129.90	0.00
Beals & Salt Valley	B5-328	157539.96	209821.99	1145.70	1129.70	1129.70	0.00
Beals & Salt Valley	B5-329	157496.20	209766.38	1144.64	1129.74	1129.74	0.00
Beals & Salt Valley	B5-361	157572.50	210286.86	1145.84	1129.14	1129.14	0.00
Beals & Salt Valley	B5-362	157521.53	210177.00	1148.19	1129.49	1129.49	0.00
Beals & Salt Valley	B5-476	156813.35	205417.31	1150.40	1136.90	1136.90	0.00
Beals & Salt Valley	B5-477	156814.83	205805.43	1149.14	1136.14	1136.14	0.00
Beals & Salt Valley	B5-478	156815.50	205980.48	1149.56	1136.56	1136.56	0.00
Beals & Salt Valley	B5-479	156825.85	206334.03	1148.51	1134.41	1134.41	0.00
Beals & Salt Valley	B5-480	156773.40	206409.13	1147.73	1136.83	1136.83	0.00
Beals & Salt Valley	B5-485	162076.86	210540.04	1151.32	1127.72	1131.80	0.00
Beals & Salt Valley	B5-49	157215.57	205616.87	1147.20	1139.70	1139.70	0.00
Beals & Salt Valley	B5-503	157052.38	206349.30	1149.63	1136.83	1136.83	2.38
Beals & Salt Valley	B5-512	157210.45	205414.94	1150.72	1139.92	1139.92	0.00
Beals & Salt Valley	B5-535	156715.72	206628.75	1144.53	1135.63	1135.63	0.00
Beals & Salt Valley	B5-548	156534.85	208190.22	1145.10	1131.20	1131.20	0.00
Beals & Salt Valley	B5-554	157222.32	205883.14	1146.32	1139.32	1139.32	0.00
Beals & Salt Valley	B5-565	157324.44	209771.39	1144.64	1129.84	1129.84	0.00
Beals & Salt Valley	B5-57	156356.97	205819.76	1142.66	1132.86	1133.19	0.00
Beals & Salt Valley	B5-596	156750.13	208609.13	1149.45	1130.38	1130.38	0.00
Beals & Salt Valley	B5-597	156595.88	208945.97	1151.85	1130.18	1130.18	0.00
Beals & Salt Valley	B5-601	156488.72	208096.59	1146.05	1130.53	1131.11	0.00
Beals & Salt Valley	B5-602	156092.92	208305.13	1145.35	1125.80	1131.13	0.00
Beals & Salt Valley	B5-603	156284.12	209130.87	1147.58	1125.54	1130.75	0.00
Beals & Salt Valley	B5-604	156674.89	209821.54	1144.45	1125.13	1130.41	0.00
Beals & Salt Valley	B5-605	157243.21	210344.51	1141.00	1124.87	1130.07	0.00
Beals & Salt Valley	B5-61	157228.76	206138.28	1146.32	1139.32	1139.32	0.00
Beals & Salt Valley	B5-614	156352.67	205428.87	1150.32	1126.74	1132.34	0.00
Beals & Salt Valley	B5-616	156344.89	205804.78	1144.57	1126.61	1132.19	0.00
Beals & Salt Valley	B5-617	156348.46	206565.65	1141.88	1126.41	1131.89	0.84
Beals & Salt Valley	B5-618	156357.37	207397.58	1145.54	1126.10	1131.56	0.00
Beals & Salt Valley	B5-619	155997.23	207800.81	1144.71	1125.93	1131.35	0.00
Beals & Salt Valley	B5-62	157222.58	206198.55	1146.72	1136.42	1136.42	0.00
Beals & Salt Valley	B5-639	161111.25	210483.01	1144.20	1129.70	1130.91	0.00
Beals & Salt Valley	B5-676	156813.81	205065.68	1147.55	1137.05	1137.05	0.00
Beals & Salt Valley	B5-677	156812.26	205116.70	1146.98	1136.98	1136.98	0.00
Beals & Salt Valley	B5-X40	156363.53	207283.60	1142.40	1131.40	1131.74	0.00
Beals & Salt Valley	B6-100	163625.87	214369.02	1146.30	1123.00	1125.03	0.00
Beals & Salt Valley	B6-102	163895.78	214142.08	1145.94	1130.04	1130.86	0.00
Beals & Salt Valley	B6-103	163769.70	214149.26	1146.25	1129.96	1130.76	0.00
Beals & Salt Valley	B6-105	164018.62	213932.83	1145.38	1124.58	1126.15	0.89
Beals & Salt Valley	B6-106	164338.43	214139.98	1160.58	1130.29	1131.17	0.00
Beals & Salt Valley	B6-108	164411.04	213933.31	1143.94	1124.94	1126.79	0.00
Beals & Salt Valley	B6-110	164802.06	214137.83	1161.10	1130.55	1131.44	0.00
Beals & Salt Valley	B6-111	164846.29	213933.77	1143.21	1125.31	1127.25	0.00
Beals & Salt Valley	B6-115	165315.48	213935.80	1143.60	1125.67	1127.57	0.00
Beals & Salt Valley	B6-117	165245.42	214137.73	1161.60	1130.80	1131.70	0.00
Beals & Salt Valley	B6-20	161482.10	211004.86	1147.72	1137.32	1137.32	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	B6-243	159954.32	211509.60	1145.24	1126.84	1127.64	0.00
Beals & Salt Valley	B6-246	161336.40	211855.07	1143.30	1125.30	1128.02	0.00
Beals & Salt Valley	B6-265	158550.58	213910.57	1145.72	1130.44	1133.46	0.00
Beals & Salt Valley	B6-266	158457.51	214106.67	1145.36	1132.51	1133.52	9.20
Beals & Salt Valley	B6-267	158361.20	214518.12	1148.52	1133.00	1134.41	0.68
Beals & Salt Valley	B6-268	158248.49	214799.75	1147.64	1133.64	1134.93	0.00
Beals & Salt Valley	B6-269	158224.18	215233.67	1149.30	1134.55	1135.81	0.00
Beals & Salt Valley	B6-270	158226.04	215666.82	1149.55	1135.43	1136.68	0.00
Beals & Salt Valley	B6-271	158183.18	215998.20	1152.50	1136.14	1137.39	0.00
Beals & Salt Valley	B6-274	165264.28	213935.51	1142.81	1125.31	1127.58	1.72
Beals & Salt Valley	B6-278	158304.05	213303.59	1146.50	1131.39	1133.95	0.00
Beals & Salt Valley	B6-279	158361.09	213732.81	1146.50	1131.14	1133.58	0.00
Beals & Salt Valley	B6-280	158349.17	213854.11	1146.29	1130.58	1133.56	0.00
Beals & Salt Valley	B6-281	159068.79	213901.91	1146.88	1130.14	1132.59	0.60
Beals & Salt Valley	B6-282	159187.73	213901.15	1146.98	1129.73	1132.36	0.00
Beals & Salt Valley	B6-283	159299.03	213986.17	1149.11	1129.11	1132.21	0.00
Beals & Salt Valley	B6-284	159751.56	214066.63	1147.50	1128.69	1131.68	0.00
Beals & Salt Valley	B6-285	159912.06	214172.27	1148.47	1128.39	1131.38	0.30
Beals & Salt Valley	B6-286	160589.54	214415.00	1146.04	1127.39	1130.47	0.00
Beals & Salt Valley	B6-287	160958.73	214667.58	1144.72	1126.91	1129.89	0.00
Beals & Salt Valley	B6-288	161486.09	214660.78	1145.15	1126.35	1129.10	0.00
Beals & Salt Valley	B6-289	161954.41	214651.67	1144.15	1125.35	1128.43	0.00
Beals & Salt Valley	B6-293	162426.39	214635.84	1145.38	1125.14	1127.56	1.50
Beals & Salt Valley	B6-294	162819.31	214721.64	1144.59	1124.09	1126.49	0.00
Beals & Salt Valley	B6-2941	163359.06	214923.15	1145.50	1122.50	1125.01	0.00
Beals & Salt Valley	B6-2942	163480.40	214558.95	1144.50	1121.50	1123.79	0.00
Beals & Salt Valley	B6-296	163531.03	214440.78	1143.52	1120.62	1123.75	0.00
Beals & Salt Valley	B6-30	158403.91	211283.58	1144.59	1128.09	1128.41	0.00
Beals & Salt Valley	B6-31	158995.52	211490.39	1145.59	1127.59	1127.92	0.54
Beals & Salt Valley	B6-318	157750.89	213309.44	1147.71	1131.67	1134.34	0.00
Beals & Salt Valley	B6-319	157693.07	213275.94	1148.56	1131.78	1134.39	0.00
Beals & Salt Valley	B6-32	159623.96	211508.44	1145.29	1127.09	1127.66	0.00
Beals & Salt Valley	B6-320	157635.31	212918.57	1150.65	1131.91	1134.64	0.00
Beals & Salt Valley	B6-321	157591.30	212869.49	1149.58	1132.04	1134.68	0.00
Beals & Salt Valley	B6-322	157291.66	212857.61	1149.72	1132.11	1134.91	0.00
Beals & Salt Valley	B6-323	156794.87	212650.63	1148.00	1132.57	1135.26	0.00
Beals & Salt Valley	B6-324	156193.24	212532.63	1146.37	1133.01	1135.47	3.70
Beals & Salt Valley	B6-325	155698.52	212397.82	1146.85	1133.03	1135.68	0.00
Beals & Salt Valley	B6-326	155144.01	212252.70	1147.83	1133.49	1135.91	0.00
Beals & Salt Valley	B6-327	156458.41	212987.29	1147.94	1136.82	1137.63	0.00
Beals & Salt Valley	B6-328	156301.93	213301.14	1146.00	1137.34	1138.88	0.00
Beals & Salt Valley	B6-33	160229.71	211510.57	1146.53	1126.63	1127.64	0.00
Beals & Salt Valley	B6-330	155880.56	213292.02	1146.00	1137.96	1139.93	0.00
Beals & Salt Valley	B6-331	155435.97	213282.70	1148.00	1138.47	1141.02	0.00
Beals & Salt Valley	B6-339	161373.93	211686.68	1145.90	1125.67	1128.70	5.30
Beals & Salt Valley	B6-34	160687.47	211658.89	1146.25	1125.84	1127.67	0.00
Beals & Salt Valley	B6-340	161503.78	211722.79	1146.20	1125.85	1128.98	0.00
Beals & Salt Valley	B6-341	161687.43	211327.62	1148.40	1126.41	1129.94	0.00
Beals & Salt Valley	B6-342	161833.62	211029.62	1157.70	1126.86	1130.61	2.67
Beals & Salt Valley	B6-343	161831.78	210806.24	1153.63	1127.28	1131.16	0.00
Beals & Salt Valley	B6-344	161287.69	211811.02	1147.35	1125.55	1128.49	0.00
Beals & Salt Valley	B6-357	157988.34	210803.41	1141.12	1128.62	1128.62	0.00
Beals & Salt Valley	B6-371	160643.83	211730.88	3149.85	1125.85	1127.64	0.00
Beals & Salt Valley	B6-373	160591.55	212699.39	1149.00	1123.00	1127.54	0.00
Beals & Salt Valley	B6-374	160821.46	212703.00	1143.50	1123.00	1126.26	0.00
Beals & Salt Valley	B6-375	161012.37	212974.07	1146.17	1121.08	1126.24	0.00
Beals & Salt Valley	B6-376	161668.04	213240.99	1147.84	1120.95	1125.82	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	B6-377	162618.37	213620.27	1146.36	1120.47	1125.14	0.00
Beals & Salt Valley	B6-378	163305.34	214168.32	1148.02	1120.23	1124.42	0.00
Beals & Salt Valley	B6-382	164505.45	213933.72	1143.21	1125.00	1126.90	0.00
Beals & Salt Valley	B6-384	157709.13	210762.53	1144.75	1124.73	1129.77	0.00
Beals & Salt Valley	B6-385	158335.72	211261.00	1144.55	1124.54	1129.36	0.00
Beals & Salt Valley	B6-386	158966.89	211829.31	1144.95	1124.34	1128.85	0.00
Beals & Salt Valley	B6-387	159479.83	212080.26	1147.65	1124.07	1128.48	0.00
Beals & Salt Valley	B6-388	159869.50	212268.10	1149.85	1123.86	1128.18	0.00
Beals & Salt Valley	B6-389	160466.99	212662.99	1149.25	1123.61	1127.59	0.00
Beals & Salt Valley	B6-392	160825.13	210975.33	1140.97	1128.56	1129.75	0.00
Beals & Salt Valley	B6-394	160789.47	211041.34	1140.35	1128.38	1129.56	0.00
Beals & Salt Valley	B6-395	160724.71	211219.48	1141.17	1128.01	1128.97	0.21
Beals & Salt Valley	B6-66	161395.85	212483.85	1145.94	1124.14	1127.56	0.00
Beals & Salt Valley	B6-72	160584.14	212204.51	1148.29	1125.48	1127.54	0.00
Beals & Salt Valley	B6-87	161763.72	212922.17	1145.72	1123.92	1127.25	0.00
Beals & Salt Valley	B6-89	162271.52	213317.84	1145.97	1123.67	1126.88	0.00
Beals & Salt Valley	B6-90	162799.81	213739.00	1141.61	1123.41	1126.44	0.00
Beals & Salt Valley	B6-91	163502.75	214412.93	1143.13	1120.20	1124.04	0.00
Beals & Salt Valley	B6-94	163339.10	214169.13	1144.35	1123.15	1125.74	0.00
Beals & Salt Valley	B6-98	163657.14	214231.82	1144.98	1129.89	1130.28	0.00
Beals & Salt Valley	C0-119	176017.16	184003.10	1237.34	1216.04	1216.79	0.00
Beals & Salt Valley	C0-119-2	175949.95	184011.71	1235.73	1216.23	1216.85	0.00
Beals & Salt Valley	C0-120	176140.13	183747.34	1236.77	1217.17	1217.84	0.00
Beals & Salt Valley	C0-120-2	176038.85	183747.61	1236.77	1217.17	1217.86	0.00
Beals & Salt Valley	C0-121	176139.54	183245.12	1236.76	1219.16	1219.83	0.00
Beals & Salt Valley	C0-121-2	176054.54	183245.56	1236.76	1219.16	1219.80	0.00
Beals & Salt Valley	C0-122	176138.95	182745.24	1240.53	1220.83	1221.54	0.00
Beals & Salt Valley	C0-122-2	176051.93	182751.34	1240.53	1220.83	1221.51	0.00
Beals & Salt Valley	C0-123	176138.62	182465.52	1240.15	1222.25	1222.88	0.00
Beals & Salt Valley	C0-123-2	176049.31	182468.94	1240.15	1222.25	1222.85	0.00
Beals & Salt Valley	C0-124	176138.23	182134.43	1241.19	1225.39	1225.93	0.00
Beals & Salt Valley	C0-124-2	176067.62	182136.85	1241.19	1225.39	1225.91	0.00
Beals & Salt Valley	C0-220	167269.10	183015.27	1210.00	1201.00	1202.12	0.00
Beals & Salt Valley	C0-221	167539.52	182804.45	1210.00	1201.44	1202.61	0.00
Beals & Salt Valley	C0-222	167963.01	182737.34	1210.06	1201.96	1203.15	0.00
Beals & Salt Valley	C0-223	168237.00	182715.36	1212.60	1202.30	1203.48	0.00
Beals & Salt Valley	C0-226	170127.86	182367.43	1227.55	1213.57	1214.19	0.00
Beals & Salt Valley	C0-227	169730.92	182457.23	1225.00	1210.07	1210.77	4.45
Beals & Salt Valley	C0-228	169398.77	182520.52	1222.50	1207.74	1208.53	0.00
Beals & Salt Valley	C0-229	169075.39	182574.75	1220.30	1206.23	1207.22	0.00
Beals & Salt Valley	C0-230	168658.60	182644.65	1219.50	1204.29	1205.08	0.00
Beals & Salt Valley	C0-43	167052.46	183982.44	1210.97	1191.97	1193.21	0.00
Beals & Salt Valley	C0-44	166971.16	183907.54	1202.88	1192.88	1193.59	0.00
Beals & Salt Valley	C0-511	168898.59	182605.36	1221.11	1205.91	1206.62	0.00
Beals & Salt Valley	C0-67	167038.36	184096.14	1206.02	1191.92	1193.05	0.00
Beals & Salt Valley	C0-96	167130.34	183320.39	1212.12	1200.63	1201.18	0.00
Beals & Salt Valley	C0-97	166980.62	183664.24	1207.73	1193.93	1194.75	0.00
Beals & Salt Valley	C1-101	169071.90	188309.13	1206.49	1186.49	1188.41	0.00
Beals & Salt Valley	C1-101-2	169058.64	188285.30	1206.49	1186.49	1188.25	0.33
Beals & Salt Valley	C1-12	175739.51	184714.12	1232.77	1211.57	1212.80	0.00
Beals & Salt Valley	C1-12-2	175709.35	184657.03	1232.77	1211.57	1212.99	0.00
Beals & Salt Valley	C1-13	175316.45	184888.27	1229.91	1209.51	1210.75	0.00
Beals & Salt Valley	C1-13-2	175287.85	184810.69	1229.91	1209.51	1210.97	0.00
Beals & Salt Valley	C1-14	174897.46	185060.86	1226.77	1207.47	1208.79	0.00
Beals & Salt Valley	C1-14-2	174863.24	184995.92	1226.77	1207.47	1209.09	1.35
Beals & Salt Valley	C1-15	174471.58	185235.71	1229.05	1205.85	1207.25	0.00
Beals & Salt Valley	C1-15-2	174441.47	185178.31	1229.05	1205.85	1207.59	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	C1-16	174060.96	185407.35	1224.82	1204.52	1205.96	0.00
Beals & Salt Valley	C1-16-2	174028.26	185340.74	1224.82	1204.52	1206.22	0.00
Beals & Salt Valley	C1-17	173655.67	185576.76	1223.01	1203.21	1204.83	0.00
Beals & Salt Valley	C1-17-2	173627.07	185506.03	1223.01	1203.21	1204.83	0.00
Beals & Salt Valley	C1-186	168716.93	188396.36	1203.22	1185.42	1186.96	0.99
Beals & Salt Valley	C1-186-2	168706.96	188364.78	1203.22	1185.42	1186.88	0.00
Beals & Salt Valley	C1-188	168252.19	188451.62	1203.70	1183.70	1185.35	0.00
Beals & Salt Valley	C1-188-2	168242.03	188427.76	1203.70	1183.70	1185.23	0.67
Beals & Salt Valley	C1-19	173353.87	185696.93	1220.82	1202.22	1203.88	0.00
Beals & Salt Valley	C1-190	167837.38	188514.23	1199.51	1182.31	1183.41	0.48
Beals & Salt Valley	C1-190-2	167828.96	188474.07	1199.51	1182.31	1183.34	0.00
Beals & Salt Valley	C1-191	167440.86	188566.80	1198.31	1181.11	1182.38	0.00
Beals & Salt Valley	C1-191-2	167432.57	188531.49	1198.31	1181.11	1182.29	0.00
Beals & Salt Valley	C1-19-2	173329.18	185644.28	1220.82	1202.22	1203.86	0.00
Beals & Salt Valley	C1-193	166963.41	188622.78	1195.64	1179.64	1181.26	0.00
Beals & Salt Valley	C1-193-2	166945.40	188600.03	1195.64	1179.64	1181.12	0.21
Beals & Salt Valley	C1-195	166452.88	188708.07	1193.61	1177.91	1179.57	0.00
Beals & Salt Valley	C1-195-2	166441.57	188664.86	1193.61	1177.91	1179.43	0.00
Beals & Salt Valley	C1-197	165957.20	188773.84	1192.61	1176.21	1177.47	0.00
Beals & Salt Valley	C1-197-2	165947.00	188742.65	1192.61	1176.21	1177.38	0.00
Beals & Salt Valley	C1-2	176102.47	184234.86	1241.57	1214.97	1215.46	0.00
Beals & Salt Valley	C1-3	176105.43	184510.14	1238.06	1213.46	1214.65	0.00
Beals & Salt Valley	C1-36	172951.56	185866.40	1215.92	1200.92	1202.60	9.26
Beals & Salt Valley	C1-36-2	172919.70	185808.10	1215.92	1200.92	1202.56	0.00
Beals & Salt Valley	C1-37	172536.75	186036.94	1214.87	1199.57	1201.31	0.00
Beals & Salt Valley	C1-37-2	172518.39	185981.03	1214.87	1199.57	1201.31	0.00
Beals & Salt Valley	C1-38	172120.10	186208.24	1214.82	1198.22	1200.11	0.00
Beals & Salt Valley	C1-38-2	172099.56	186155.77	1214.82	1198.22	1200.12	0.00
Beals & Salt Valley	C1-382	165966.25	187889.21	1190.25	1180.29	1180.94	0.00
Beals & Salt Valley	C1-39	171707.82	186379.16	1214.87	1196.87	1198.87	0.00
Beals & Salt Valley	C1-391	166302.52	187430.25	1192.00	1181.03	1182.11	0.00
Beals & Salt Valley	C1-39-2	171691.73	186329.54	1214.87	1196.87	1198.90	0.00
Beals & Salt Valley	C1-396	166637.77	186965.21	1195.50	1181.49	1182.68	0.00
Beals & Salt Valley	C1-40	171290.24	186550.83	1215.11	1195.51	1197.54	0.00
Beals & Salt Valley	C1-40-2	171273.63	186515.51	1215.11	1195.51	1197.58	0.00
Beals & Salt Valley	C1-402	166734.98	186478.42	1194.90	1182.50	1183.46	0.00
Beals & Salt Valley	C1-41	171033.09	186732.27	1214.47	1194.57	1196.62	0.00
Beals & Salt Valley	C1-41-2	171007.57	186668.91	1214.47	1194.57	1196.71	0.00
Beals & Salt Valley	C1-412	166732.57	186120.22	1198.40	1182.84	1183.93	0.00
Beals & Salt Valley	C1-42	170877.68	186678.60	1213.96	1194.16	1196.15	0.00
Beals & Salt Valley	C1-42-2	170882.95	186627.53	1213.96	1194.16	1196.33	0.00
Beals & Salt Valley	C1-43	170524.10	187067.18	1214.03	1192.58	1194.62	0.60
Beals & Salt Valley	C1-43-2	170506.93	187035.43	1214.03	1192.58	1194.75	0.00
Beals & Salt Valley	C1-44	170196.79	187425.88	1213.16	1191.11	1193.20	0.27
Beals & Salt Valley	C1-44-2	170170.03	187406.11	1213.16	1191.11	1193.20	1.25
Beals & Salt Valley	C1-444	166928.82	185808.68	1200.70	1184.50	1185.31	0.00
Beals & Salt Valley	C1-445	166994.65	185026.65	1203.00	1188.00	1188.77	0.00
Beals & Salt Valley	C1-446	167014.00	184588.34	1204.14	1189.84	1190.61	0.00
Beals & Salt Valley	C1-461	167102.18	185455.65	1202.70	1186.20	1186.97	0.00
Beals & Salt Valley	C1-482	166828.11	185880.91	1200.74	1184.14	1184.84	0.00
Beals & Salt Valley	C1-539	167045.70	184284.64	1208.60	1192.10	1192.73	0.00
Beals & Salt Valley	C1-542	165591.44	188457.96	1189.50	1176.80	1177.54	0.00
Beals & Salt Valley	C1-543	165602.23	188309.41	1190.40	1177.80	1178.52	0.00
Beals & Salt Valley	C1-544	165602.24	188134.91	1190.70	1178.10	1179.11	0.00
Beals & Salt Valley	C1-545	165605.72	187878.39	1192.37	1178.67	1179.69	0.00
Beals & Salt Valley	C1-561	165628.04	187889.22	1191.07	1178.07	1179.69	3.70
Beals & Salt Valley	C1-562	165625.51	188552.03	1189.61	1176.11	1177.15	2.52

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	C1-564	176080.04	184197.27	1240.20	1215.20	1215.65	0.00
Beals & Salt Valley	C1-564-2	176044.77	184192.34	1240.20	1215.20	1215.77	0.00
Beals & Salt Valley	C1-565	176036.56	184558.69	1234.34	1212.34	1214.15	0.00
Beals & Salt Valley	C1-565-2	175978.98	184499.20	1234.34	1212.34	1214.12	0.00
Beals & Salt Valley	C1-569	165706.42	188802.67	1193.96	1174.16	1175.87	4.99
Beals & Salt Valley	C1-569-2	165702.50	188776.00	1193.96	1174.60	1175.91	0.00
Beals & Salt Valley	C1-570	165617.71	188885.02	1193.88	1173.73	1175.49	0.00
Beals & Salt Valley	C1-92	169924.86	187747.21	1215.91	1189.86	1191.86	0.00
Beals & Salt Valley	C1-92-2	169894.04	187725.90	1215.91	1189.86	1191.72	0.00
Beals & Salt Valley	C1-99	169556.12	188063.63	1211.63	1188.38	1190.33	0.00
Beals & Salt Valley	C1-99-2	169536.54	188044.50	1211.63	1188.38	1190.09	1.26
Beals & Salt Valley	D0-148	177495.57	181399.06	1254.20	1239.67	1240.13	0.00
Beals & Salt Valley	D0-148-2	177481.98	181372.00	1254.20	1239.67	1240.13	0.00
Beals & Salt Valley	D0-149	177880.51	180938.82	1253.80	1239.47	1240.71	0.00
Beals & Salt Valley	D0-149-2	177845.03	180924.32	1253.80	1239.47	1240.73	0.00
Beals & Salt Valley	D0-150	178017.52	180347.56	1257.30	1241.30	1242.05	0.00
Beals & Salt Valley	D0-150-2	177974.21	180347.46	1257.30	1241.30	1242.05	0.00
Beals & Salt Valley	D0-164	178061.28	180183.45	1257.85	1242.10	1242.77	0.00
Beals & Salt Valley	D0-164-2	178034.34	180162.60	1257.85	1242.10	1242.77	0.00
Beals & Salt Valley	D0-165	178408.96	179985.65	1259.64	1243.40	1244.15	0.00
Beals & Salt Valley	D0-165-2	178390.70	179951.01	1259.64	1243.40	1244.16	0.00
Beals & Salt Valley	D0-166	178739.76	179699.72	1263.85	1244.84	1245.57	0.00
Beals & Salt Valley	D0-166-2	178706.97	179676.84	1263.85	1244.84	1245.57	0.00
Beals & Salt Valley	D0-167	178961.84	179304.81	1262.10	1246.31	1247.04	0.00
Beals & Salt Valley	D0-167-2	178936.03	179294.78	1262.10	1246.31	1247.04	0.00
Beals & Salt Valley	D0-168	179138.22	178867.58	1265.03	1247.85	1248.58	0.00
Beals & Salt Valley	D0-168-2	179122.87	178789.95	1265.03	1247.85	1248.59	3.06
Beals & Salt Valley	D0-60	177199.49	181613.95	1247.39	1231.14	1231.73	0.00
Beals & Salt Valley	D0-60-2	177161.26	181592.49	1247.39	1231.14	1231.76	0.00
Beals & Salt Valley	D0-61	176801.73	181659.62	1247.00	1228.60	1229.20	0.00
Beals & Salt Valley	D0-61-2	176789.99	181630.76	1247.00	1228.60	1229.23	0.00
Beals & Salt Valley	D0-62	176421.76	181702.78	1241.30	1226.31	1227.18	0.00
Beals & Salt Valley	D0-62-2	176408.79	181675.65	1241.30	1226.31	1227.23	0.00
Beals & Salt Valley	WWTP	163952.20	214544.78	1149.99	1119.99	1123.24	0.32
Antelope Creek	B4-12	163307.85	204695.86	1159.58	1142.38	1144.81	0.00
Antelope Creek	B4-302	164529.71	203037.38	1165.46	1151.10	1151.10	0.00
Antelope Creek	B4-359	164341.15	203292.03	1161.17	1150.00	1150.00	0.00
Antelope Creek	B4-486	163323.65	204639.14	1159.51	1142.50	1144.88	0.00
Antelope Creek	B4-487	163475.81	204563.96	1158.77	1142.77	1145.29	3.53
Antelope Creek	B4-5	163322.55	205149.55	1158.71	1147.20	1147.20	0.00
Antelope Creek	B4-527	163666.79	204563.50	1162.06	1143.00	1145.68	0.00
Antelope Creek	B4-536	163321.21	204931.69	1157.98	1147.80	1147.80	0.00
Antelope Creek	B4-544	163750.25	204425.22	1162.01	1143.30	1146.04	0.00
Antelope Creek	B4-547	164002.36	204009.84	1164.03	1144.00	1146.83	0.00
Antelope Creek	B4-565	164315.91	203381.62	1161.08	1145.00	1147.91	0.00
Antelope Creek	B4-566	164259.62	203250.46	1166.29	1145.20	1148.12	0.00
Antelope Creek	B4-567	164528.36	202830.02	1153.03	1146.00	1148.87	0.00
Antelope Creek	B4-568	164707.64	202462.03	1168.97	1149.40	1151.18	0.00
Antelope Creek	B4-569	164870.50	202251.80	1169.82	1150.02	1152.84	0.00
Antelope Creek	B4-570	165165.52	201902.52	1169.99	1151.30	1153.95	0.00
Antelope Creek	B4-571	165360.30	201694.49	1170.75	1152.20	1154.85	0.00
Antelope Creek	B4-572	165528.08	201536.56	1172.94	1152.90	1155.49	0.00
Antelope Creek	B4-576	164186.16	203646.62	1164.64	1144.60	1147.46	0.00
Antelope Creek	B4-584	164531.01	203290.93	1169.34	1150.70	1150.70	0.00
Antelope Creek	B4-586	164358.33	203292.11	1166.08	1150.00	1150.00	0.00
Antelope Creek	B4-587	164454.22	203291.58	1169.34	1150.70	1150.70	0.00
Antelope Creek	B4-6	163309.85	205115.54	1158.54	1141.94	1144.33	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Antelope Creek	B4-650	163321.21	204801.37	1159.02	1148.10	1148.10	0.00
Antelope Creek	B4-684	162918.75	205260.80	1158.74	1141.30	1143.79	0.00
Antelope Creek	B4-685	163022.91	204932.48	1159.02	1141.90	1144.24	0.00
Antelope Creek	B4-686	163251.77	204657.76	1159.51	1142.50	1144.75	0.00
Antelope Creek	B4-687	163281.75	204630.83	1160.10	1142.60	1144.84	0.00
Antelope Creek	B4-688	163308.52	204776.72	1149.18	1142.29	1144.72	0.00
Antelope Creek	B4-7	163295.82	205148.29	1158.71	1141.90	1144.29	0.00
Antelope Creek	B4-ADD	164731.95	202759.24	1164.25	1153.20	1153.20	7.41
Antelope Creek	B5-139	163213.67	206556.57	1152.48	1138.84	1142.16	0.00
Antelope Creek	B5-148	162964.50	206746.64	1154.45	1139.40	1140.83	0.00
Antelope Creek	B5-17	162961.06	206579.19	1152.00	1139.60	1141.00	0.86
Antelope Creek	B5-211	162561.22	207971.26	1151.64	1137.10	1138.26	0.00
Antelope Creek	B5-212	162163.11	207974.45	1150.98	1136.20	1137.47	0.00
Antelope Creek	B5-236	161897.88	208723.27	1150.04	1134.50	1135.66	0.00
Antelope Creek	B5-237	162106.01	208483.16	1148.10	1135.40	1136.45	0.00
Antelope Creek	B5-267	161899.49	208931.41	1148.90	1134.10	1135.24	0.00
Antelope Creek	B5-287	161354.92	209310.53	1147.60	1132.60	1133.75	0.00
Antelope Creek	B5-289	161395.18	209224.59	1147.89	1132.70	1133.93	0.00
Antelope Creek	B5-291	161721.50	208971.40	1150.10	1133.70	1134.81	0.00
Antelope Creek	B5-317	161169.52	209706.24	1148.44	1131.60	1132.54	0.00
Antelope Creek	B5-486	162337.91	210538.71	1155.80	1128.00	1132.30	0.00
Antelope Creek	B5-487	162337.61	210244.75	1150.00	1128.40	1132.91	0.00
Antelope Creek	B5-488	162337.33	209975.02	1149.00	1128.70	1133.44	0.00
Antelope Creek	B5-489	162741.75	209972.49	1149.40	1129.30	1134.20	0.00
Antelope Creek	B5-490	163168.91	209965.92	1149.90	1129.80	1135.02	0.00
Antelope Creek	B5-491	163167.66	209637.96	1149.37	1130.20	1135.64	0.00
Antelope Creek	B5-492	163166.35	209293.63	1149.10	1130.70	1136.28	0.00
Antelope Creek	B5-493	163493.74	209289.23	1150.70	1131.14	1136.90	0.00
Antelope Creek	B5-494	163492.61	208946.71	1154.60	1131.58	1137.57	0.00
Antelope Creek	B5-495	163491.56	208633.22	1150.88	1131.98	1138.18	0.00
Antelope Creek	B5-496	163498.80	208321.84	1153.60	1132.38	1138.77	0.00
Antelope Creek	B5-498	163497.79	208017.03	1139.78	1132.94	1139.33	0.00
Antelope Creek	B5-500	163490.31	207805.50	1168.06	1133.05	1139.75	0.00
Antelope Creek	B5-508	163492.91	209037.19	1149.46	1131.46	1137.40	0.00
Antelope Creek	B5-515	163484.83	207445.05	1152.07	1134.41	1140.70	0.00
Antelope Creek	B5-516	163483.41	207091.70	1152.41	1135.72	1141.30	0.00
Antelope Creek	B5-517	163490.25	206744.79	1153.32	1136.47	1141.91	0.00
Antelope Creek	B5-520	163210.19	206358.35	1155.04	1139.04	1142.38	0.00
Antelope Creek	B5-522	163208.19	205952.20	1155.38	1139.70	1143.22	0.00
Antelope Creek	B5-524	163207.31	205550.97	1157.43	1140.40	1143.24	0.00
Antelope Creek	B5-526	163206.73	205420.81	1159.23	1140.63	1143.34	0.00
Antelope Creek	B5-527	163166.62	205381.06	1158.62	1140.70	1143.39	0.00
Antelope Creek	B5-528	162949.00	205382.32	1157.65	1141.10	1143.65	0.00
Antelope Creek	B5-531	163238.49	205387.40	1158.66	1141.60	1143.82	0.00
Antelope Creek	B5-532	163324.84	205382.01	1159.12	1146.20	1146.20	0.00
Antelope Creek	B5-533	163324.46	205361.14	1158.77	1146.00	1146.00	0.00
Antelope Creek	B5-547	161216.99	209604.92	1145.98	1131.90	1132.98	0.00
Antelope Creek	B5-620	162965.05	206884.04	1152.25	1139.30	1140.70	0.00
Antelope Creek	B5-621	162878.97	207046.24	1153.92	1139.10	1140.52	0.00
Antelope Creek	B5-622	162882.66	207522.78	1153.52	1138.70	1140.05	0.00
Antelope Creek	B5-623	162796.46	207978.81	1153.98	1138.20	1139.32	0.00
Antelope Creek	B5-626	163488.75	207614.38	1152.08	1133.77	1140.08	0.00
Antelope Creek	B5-632	160391.37	209552.34	1149.87	1135.40	1135.40	0.00
Antelope Creek	B5-633	160689.50	209735.01	1147.60	1133.50	1133.50	0.00
Antelope Creek	B5-634	161145.60	209796.72	1148.55	1131.00	1132.25	0.00
Antelope Creek	B5-635	161010.84	209921.87	1147.11	1130.50	1132.03	0.00
Antelope Creek	B5-637	160795.35	210281.75	1146.14	1130.10	1131.56	1.19

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Antelope Creek	B5-638	160993.17	210408.03	1145.35	1129.90	1131.19	0.00
Antelope Creek	B5-88	163216.96	205957.63	1155.16	1140.90	1142.89	0.00
Antelope Creek	C2-580	176185.39	194693.59	1215.81	1201.80	1202.78	0.00
Antelope Creek	C2-581	176168.90	194208.58	1217.16	1203.10	1208.39	0.00
Antelope Creek	C2-582	176157.54	194092.52	1217.00	1204.70	1209.70	0.00
Antelope Creek	C2-584	176120.27	193717.74	1222.56	1209.00	1212.68	0.00
Antelope Creek	C2-585	176114.10	193557.07	1220.70	1210.40	1214.42	0.00
Antelope Creek	C2-586	176127.16	193304.66	1222.98	1212.10	1217.14	0.00
Antelope Creek	C2-587	176138.04	193212.89	1223.26	1212.70	1219.83	0.00
Antelope Creek	C2-X50	176161.50	193048.84	1225.05	1214.10	1221.41	0.00
Antelope Creek	C3-178	172314.80	196518.82	1204.40	1189.00	1189.00	0.00
Antelope Creek	C3-378	168224.79	199552.51	1181.49	1168.20	1168.20	0.00
Antelope Creek	C3-380	168343.69	199464.74	1182.31	1168.80	1168.80	0.00
Antelope Creek	C3-444	175526.85	194724.79	1208.60	1195.50	1197.54	0.00
Antelope Creek	C3-450	175086.05	194759.59	1206.89	1193.60	1195.76	0.00
Antelope Creek	C3-461	174836.96	195078.16	1211.32	1192.00	1194.07	0.00
Antelope Creek	C3-462	174668.33	195344.22	1211.79	1190.70	1192.60	0.00
Antelope Creek	C3-477	174545.87	195358.76	1199.60	1190.29	1191.59	0.00
Antelope Creek	C3-488	174080.78	195430.25	1200.85	1188.30	1190.52	0.00
Antelope Creek	C3-536	169853.27	197858.97	1192.48	1169.80	1172.36	0.00
Antelope Creek	C3-554	173513.00	195699.65	1204.02	1185.50	1187.98	0.00
Antelope Creek	C3-555	173064.33	195617.15	1206.96	1183.90	1185.91	0.00
Antelope Creek	C3-556	172610.17	195808.52	1199.36	1181.40	1183.74	0.00
Antelope Creek	C3-557	172260.14	195846.68	1197.89	1180.30	1182.18	0.00
Antelope Creek	C3-558	171995.56	195879.61	1201.59	1179.00	1181.12	0.00
Antelope Creek	C3-559	171610.10	196003.60	1199.38	1177.80	1179.91	0.00
Antelope Creek	C3-560	171304.60	196243.53	1195.90	1176.70	1178.75	0.00
Antelope Creek	C3-561	170979.35	196576.47	1194.11	1175.30	1177.49	0.00
Antelope Creek	C3-562	170598.00	196848.42	1189.06	1173.80	1176.21	5.06
Antelope Creek	C3-563	170267.49	197045.54	1194.22	1172.60	1175.23	0.00
Antelope Creek	C3-564	170265.56	197320.84	1192.86	1171.90	1174.19	0.00
Antelope Creek	C3-565	170185.22	197522.05	1192.00	1171.30	1173.59	0.00
Antelope Creek	C3-567	169583.70	198184.98	1187.45	1168.90	1171.47	0.00
Antelope Creek	C3-568	169120.57	198516.35	1185.20	1167.80	1170.17	0.00
Antelope Creek	C3-569	168862.98	198900.52	1186.49	1166.60	1169.05	0.00
Antelope Creek	C3-570	168677.39	199249.60	1183.43	1165.50	1168.18	0.00
Antelope Creek	C3-571	168205.47	199551.54	1182.31	1164.24	1167.27	0.00
Antelope Creek	C3-572	167981.06	199687.90	1181.74	1164.20	1166.52	0.00
Antelope Creek	C3-573	167615.81	199869.56	1181.12	1163.30	1165.03	0.00
Antelope Creek	C3-578	176165.66	194736.35	1210.14	1198.10	1200.21	0.00
Antelope Creek	C3-612	172237.75	196079.08	1200.70	1183.00	1183.00	3.90
Antelope Creek	C3-624	168665.63	199252.53	1182.89	1170.10	1170.10	0.00
Antelope Creek	C3-635	173593.96	195678.43	1205.88	1186.20	1188.22	0.00
Antelope Creek	C3-67	173929.18	195675.96	1202.96	1187.30	1189.58	0.00
Antelope Creek	C4-511	167110.45	200283.03	1179.90	1159.10	1161.41	0.00
Antelope Creek	C4-512	166847.64	200520.90	1204.22	1158.05	1160.56	0.00
Antelope Creek	C4-513	166647.05	200821.16	1175.50	1157.00	1159.52	7.53
Antelope Creek	C4-514	166329.66	201097.37	1174.44	1155.70	1158.28	0.00
Antelope Creek	C4-516	167378.06	200105.08	1180.33	1161.00	1162.88	0.00
Antelope Creek	C4-569	165733.97	201448.90	1173.01	1153.50	1156.10	0.00
Antelope Creek	C4-570	165907.86	201221.01	1173.99	1154.40	1156.99	0.00
Antelope Creek	D1-163	179950.57	187813.57	1268.80	1258.80	1262.95	0.00
Antelope Creek	D1-21	178652.68	188980.36	1265.89	1254.80	1257.15	0.00
Antelope Creek	D1-22	178909.45	188736.86	1266.93	1255.70	1258.30	0.00
Antelope Creek	D1-23	179196.47	188461.25	1267.06	1256.70	1259.75	0.00
Antelope Creek	D1-24	179497.57	188263.39	1266.99	1257.60	1260.91	0.00
Antelope Creek	D1-25	179754.78	187939.39	1265.90	1258.60	1262.24	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Antelope Creek	D1-30	179005.60	188640.64	1278.24	1256.00	1258.90	0.00
Antelope Creek	D1-31	178946.01	188702.51	1267.55	1255.80	1258.46	0.00
Antelope Creek	D1-312	180115.01	187765.30	1267.70	1259.00	1263.50	0.00
Antelope Creek	D1-4	178311.59	189342.95	1265.10	1254.40	1255.46	6.02
Antelope Creek	D1-42	179637.20	188087.51	1267.10	1258.10	1261.63	0.00
Antelope Creek	D1-427	186690.53	185404.14	1305.25	1295.00	1296.10	0.00
Antelope Creek	D1-428	186688.53	185935.97	1304.53	1291.50	1292.74	0.00
Antelope Creek	D1-429	186336.04	186284.41	1300.80	1288.90	1290.56	0.00
Antelope Creek	D1-430	185863.54	186551.70	1293.42	1286.80	1287.80	0.00
Antelope Creek	D1-431	185583.37	187019.44	1293.46	1283.30	1284.91	0.00
Antelope Creek	D1-432	185234.53	187223.36	1292.00	1282.80	1283.59	0.00
Antelope Creek	D1-433	185012.92	187456.92	1287.89	1277.90	1278.88	0.00
Antelope Creek	D1-434	185127.58	187618.55	1284.79	1276.40	1277.77	0.00
Antelope Creek	D1-435	185243.82	187831.33	1287.14	1275.90	1276.99	0.00
Antelope Creek	D1-436	184844.61	188040.43	1284.14	1274.20	1275.40	0.00
Antelope Creek	D1-437	184658.96	188276.29	1281.62	1273.10	1273.99	0.00
Antelope Creek	D1-440	184144.85	188707.31	1272.97	1266.80	1268.19	0.00
Antelope Creek	D1-441	184058.75	188820.04	1273.13	1266.79	1267.68	0.00
Antelope Creek	D1-442	184087.79	189063.29	1276.35	1264.90	1265.84	0.00
Antelope Creek	D1-443	184073.64	189334.33	1276.05	1263.10	1263.98	0.00
Antelope Creek	D1-444	183694.10	189336.29	1272.79	1259.50	1260.70	0.00
Antelope Creek	D1-510	185854.70	186578.11	1299.18	1286.18	1287.39	0.00
Antelope Creek	D1-547	184995.50	188012.34	1285.23	1274.50	1275.87	0.00
Antelope Creek	D1-548	184287.68	188706.28	1278.31	1268.60	1269.48	0.00
Antelope Creek	D1-550	185237.22	187782.92	1286.06	1276.00	1277.18	0.00
Antelope Creek	D1-582	183387.86	189339.36	1269.48	1258.00	1259.86	0.00
Antelope Creek	D2-130	177085.02	190831.23	1264.33	1247.40	1248.70	3.84
Antelope Creek	D2-16	177916.52	189612.57	1270.28	1252.10	1253.49	2.59
Antelope Creek	D2-161	182315.60	192007.76	1270.09	1255.50	1258.93	0.00
Antelope Creek	D2-17	177503.42	189885.00	1271.81	1250.70	1252.01	0.00
Antelope Creek	D2-177	182912.68	190635.60	1267.00	1256.60	1259.77	0.00
Antelope Creek	D2-178	183039.77	190023.06	1267.01	1257.00	1259.81	0.00
Antelope Creek	D2-179	183352.40	189836.42	1269.00	1257.20	1259.83	0.00
Antelope Creek	D2-18	177511.77	190214.92	1269.71	1249.70	1251.01	0.00
Antelope Creek	D2-19	177223.75	190687.77	1263.66	1248.00	1249.33	0.00
Antelope Creek	D2-20	177037.72	190872.66	1261.34	1247.20	1248.49	0.00
Antelope Creek	D2-21	176853.43	191077.16	1263.45	1246.40	1247.44	0.00
Antelope Creek	D2-22	176853.08	191515.43	1254.50	1242.60	1243.13	0.00
Antelope Creek	D2-23	176852.95	191766.96	1242.26	1231.60	1234.82	0.00
Antelope Creek	D2-24	176848.81	192018.96	1233.57	1224.30	1234.07	0.00
Antelope Creek	D2-25	176169.44	192030.42	1236.70	1222.30	1232.10	0.00
Antelope Creek	D2-255	176176.05	192622.87	1227.86	1217.50	1225.99	5.32
Antelope Creek	D2-256	176201.94	194678.74	1213.97	1201.70	1203.10	0.00
Antelope Creek	D2-257	176465.46	194677.85	1216.63	1202.80	1204.92	0.00
Antelope Creek	D2-258	176695.48	194677.08	1219.75	1203.70	1206.54	0.00
Antelope Creek	D2-259	177135.53	194675.60	1222.11	1205.50	1209.63	0.00
Antelope Creek	D2-26	176172.42	192297.33	1232.96	1220.10	1229.35	0.00
Antelope Creek	D2-282	177410.00	190381.99	1265.13	1249.10	1250.42	0.00
Antelope Creek	D2-381	183363.50	189828.87	1269.11	1257.70	1259.81	0.00
Antelope Creek	D2-382	183039.56	190027.32	1266.16	1257.40	1259.78	0.00
Antelope Creek	D2-383	182920.46	190608.10	1265.95	1257.00	1259.74	0.00
Antelope Creek	D2-384	183060.91	190700.13	1266.35	1256.90	1259.73	0.00
Antelope Creek	D2-385	182772.47	191077.91	1264.79	1256.50	1259.69	0.00
Antelope Creek	D2-386	182396.52	191550.51	1264.47	1256.10	1259.32	6.50
Antelope Creek	D2-387	182066.45	191979.46	1262.53	1255.70	1258.99	0.00
Antelope Creek	D2-388	182077.93	192191.83	1260.71	1255.50	1258.86	0.00
Antelope Creek	D2-389	182201.88	192455.07	1262.85	1255.30	1258.76	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Antelope Creek	D2-390	182019.83	192694.01	1261.69	1255.10	1258.60	0.00
Antelope Creek	D2-391	181652.39	192914.35	1262.82	1254.80	1258.22	0.00
Antelope Creek	D2-392	181660.26	192937.02	1262.38	1254.80	1258.22	0.00
Antelope Creek	D2-42	181433.90	193605.98	1267.46	1254.30	1256.17	0.00
Antelope Creek	D2-43	181085.16	193825.21	1269.66	1253.10	1255.02	0.00
Antelope Creek	D2-44	180725.80	194052.31	1271.12	1251.90	1253.77	0.00
Antelope Creek	D2-45	180418.83	194318.11	1271.35	1250.60	1252.49	0.00
Antelope Creek	D2-46	180173.36	194671.00	1272.46	1249.30	1251.19	0.00
Antelope Creek	D2-48	176173.15	192919.84	1226.50	1215.20	1222.91	0.00
Antelope Creek	D2-56	176177.51	192799.16	1227.50	1216.20	1224.16	0.00
Antelope Creek	D2-67	181447.04	193114.80	1258.01	1254.50	1257.35	0.00
Antelope Creek	D2-68	181729.39	192892.76	1263.83	1254.80	1258.26	0.00
Antelope Creek	D2-69	182032.14	192710.09	1263.73	1255.10	1258.47	0.00
Antelope Creek	D2-70	182262.26	192246.88	1268.13	1255.40	1258.78	0.00
Antelope Creek	D2-71	182467.91	191793.69	1272.27	1255.73	1259.07	0.00
Antelope Creek	D2-72	182847.77	191333.41	1275.08	1256.08	1259.41	0.00
Antelope Creek	D2-73	183220.13	190881.77	1270.72	1256.70	1259.74	0.00
Antelope Creek	D3-10	178516.11	195025.39	1230.30	1219.90	1221.50	6.50
Antelope Creek	D3-11	178857.26	195361.33	1238.65	1222.70	1224.33	0.00
Antelope Creek	D3-16	179458.20	195663.21	1273.10	1245.50	1247.21	0.00
Antelope Creek	D3-17	179253.87	195816.69	1271.74	1244.74	1245.81	0.00
Antelope Creek	D3-18	179057.75	195817.00	1248.89	1229.50	1230.66	0.00
Antelope Creek	D3-19	178857.93	195812.99	1238.56	1225.40	1227.05	0.00
Antelope Creek	D3-3	178183.71	194698.47	1228.30	1217.10	1218.54	0.00
Antelope Creek	D3-4	177664.66	194709.31	1225.40	1213.10	1214.53	0.00
Antelope Creek	D3-407	179724.07	195359.98	1273.18	1246.80	1248.63	0.00
Antelope Creek	D3-408	179942.93	195025.11	1272.98	1248.00	1249.91	0.00
Antelope Creek	D3-5	177164.61	194710.99	1222.25	1209.10	1210.02	0.00
Antelope Creek	D3-543	176669.52	194734.00	1218.64	1203.60	1204.51	0.00
Antelope Creek	E0-17	187610.00	184103.48	1314.50	1306.00	1307.42	0.00
Antelope Creek	E0-4	188145.03	184103.13	1331.70	1311.80	1312.29	4.96
Antelope Creek	E1-1	187516.62	184391.86	1312.34	1304.50	1305.62	2.18
Antelope Creek	E1-2	187137.00	184549.61	1308.41	1302.00	1303.00	0.00
Antelope Creek	E1-3	186952.33	184926.65	1306.04	1298.70	1299.74	0.00
Antelope Creek	E1-4	186812.32	185334.53	1307.21	1295.30	1296.63	0.00
Antelope Creek	E1-93	187591.79	184160.91	1321.85	1305.40	1307.01	0.00
UNK	D1S-900	180066.62	174076.22	1293.80	1278.80	1279.49	0.00
UNK	D1S-905	180576.29	172782.45	1298.29	1283.29	1284.24	0.83
UNK	D7-403	176294.51	221152.07	1150.48	1138.02	1139.01	1.36
UNK	B1S-95	163152.90	173619.18	1200.54	1185.54	1186.46	0.00
UNK	B1S-96	163077.08	173671.08	1202.31	1187.31	1188.09	0.00
UNK	B4-717	155885.23	200732.51	1153.45	1136.85	1138.77	0.00
UNK	B4-718	155898.46	201139.93	1152.58	1136.38	1138.44	0.00
UNK	B4-719	155870.83	202357.13	1150.35	1135.55	1137.45	0.00
UNK	B5-139-2	163274.07	206590.34	1155.00	1137.70	1142.18	0.00
UNK	B5-139-3	163356.67	206606.83	1155.00	1125.40	1142.15	0.00
UNK	B5-139-4	163431.00	206661.76	1155.00	1125.40	1142.03	0.00
UNK	B5-139-5	163425.50	206714.95	1155.00	1136.54	1142.00	0.00
UNK	D8-187	176460.63	221261.49	1150.00	1138.22	1139.64	0.00
UNK	D8-24	176735.27	221215.73	1149.80	1138.56	1140.21	0.00
UNK	D8-25	176673.20	221263.88	1149.56	1138.45	1140.05	0.00
UNK	MH-10	162986.26	168844.46	1192.00	1174.85	1176.57	0.00
UNK	MH-11	163291.98	168328.19	1195.00	1175.43	1177.17	0.00
UNK	MH-12	163742.33	167957.50	1193.25	1175.99	1177.73	0.00
UNK	MH-4	161454.59	171821.77	1183.25	1171.66	1173.46	0.00
UNK	MH-5	161652.19	171445.85	1182.00	1172.00	1173.77	0.00
UNK	MH-6	161861.16	170919.92	1183.50	1172.54	1174.28	0.00

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
UNK	MH-7	162088.67	170736.21	1189.50	1173.12	1174.86	0.00
UNK	MH-8	162357.41	169877.00	1187.50	1173.70	1175.43	0.00
UNK	MH-9	162663.12	169360.73	1190.50	1174.28	1175.99	0.00
UNK	N1474	154291.91	205842.15	1147.42	1142.42	1147.42	0.00
UNK	N1475	167217.34	218573.55	1145.00	1130.00	1145.00	0.00
UNK	N1477	163382.29	214749.26	1145.50	1107.50	1124.38	0.00
UNK	N1478	138614.21	217737.41	1163.00	1136.74	1163.40	0.00
UNK	N1479	138699.90	217734.36	1163.00	1136.74	1158.99	0.00
UNK	N1482	138610.05	217659.95	1163.00	1136.89	1163.00	0.00
UNK	N1483	138697.49	217660.91	1163.00	1136.89	1159.61	0.00
UNK	N751	160655.87	212623.76	1149.00	1110.10	1127.21	0.00
UNK	N752	160778.97	212627.90	1149.00	1110.10	1126.46	0.00
UNK	SB1-10	169451.40	169089.20	1217.60	1200.23	1201.04	0.00
UNK	SB1-11	169955.97	168810.50	1222.00	1203.27	1204.38	0.00
UNK	SB1-12	170275.72	168617.37	1225.20	1204.91	1205.94	0.00
UNK	SB1-13	170551.85	168956.48	1216.00	1206.98	1207.89	1.26
UNK	SB1-14	170936.86	169144.60	1226.00	1209.55	1210.47	0.00
UNK	SB1-15	171111.05	169162.03	1227.60	1210.56	1210.56	6.23
UNK	SB1-9	168804.55	169008.90	1213.00	1192.35	1192.35	0.00
UNK	SB4-57	164099.11	167374.88	1193.25	1176.50	1178.25	0.00
UNK	SB4-58	164909.80	167462.40	1192.90	1179.80	1181.49	3.84
UNK	SB4-59	165491.30	167500.65	1200.10	1181.39	1182.99	0.32
UNK	SB4-60	166038.94	167515.15	1197.60	1182.52	1184.10	0.00
UNK	SB4-61	166686.24	167509.84	1200.30	1183.76	1185.34	0.00
UNK	SB4-62	166712.50	167560.92	1200.60	1184.07	1185.57	1.44
UNK	SB4-63	167077.19	167863.23	1202.90	1184.92	1186.46	0.00
UNK	SB4-64	167349.43	168215.01	1206.30	1186.39	1187.77	0.53
UNK	SB4-65	168022.58	168537.28	1209.10	1188.45	1189.91	0.00
UNK	SB4-66	168783.73	168901.66	1213.00	1192.35	1193.62	0.80
UNK	SW-1	156696.87	184170.20	1174.02	1144.25	1146.52	0.00
UNK	SW-2	156818.61	183116.78	1175.44	1145.68	1146.98	0.00
UNK	SW-3	156875.41	181593.40	1177.62	1147.86	1149.00	0.00
UNK	SW-4	156994.10	179746.26	1180.02	1150.26	1151.40	0.00
UNK	SW-5	156868.84	178190.25	1182.12	1152.36	1153.50	0.00
UNK	SW-6	150894.68	178201.57	1203.02	1168.36	1168.98	0.00
UNK	SW-7	152961.10	178162.10	1197.92	1163.26	1164.32	3.73
UNK	SW-8	155088.21	178171.41	1192.47	1157.81	1158.92	7.45
UNK	SW-9	156891.21	176205.41	1187.12	1158.36	1158.54	0.00

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Antelope Creek	PP716	B5-632	B5-633	1135.40	1133.54	350.00	1.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	4.33	7.66	-0.04	0.00
Antelope Creek	PP717	B5-633	B5-635	1133.54	1130.57	378.00	1.50	0.01	0.00	0.00	0.00	0.00	0.05	-9E+99	5.27	9.31	1.46	0.00
Antelope Creek	PP543	D2-179	D2-178	1257.23	1257.01	365.00	2.50	0.00	-0.50	-0.35	1.50	3.44	0.76	-9E+99	2.05	10.07	2.80	1.12
Antelope Creek	PP544	D2-178	D2-177	1257.01	1256.65	623.00	2.50	0.00	-0.70	-0.93	1.19	3.45	0.76	-9E+99	2.01	9.86	3.12	1.25
Antelope Creek	PP545	D2-177	D2-73	1256.65	1256.72	401.19	2.50	0.00	-0.78	-3.12	0.96	3.46	0.76	-9E+99	1.10	5.42	3.09	1.24
Antelope Creek	PP546	D2-73	D2-72	1256.72	1256.08	583.16	2.50	0.00	0.00	0.00	2.45	9.85	0.76	-9E+99	2.77	13.59	3.33	1.33
Antelope Creek	PP547	D2-72	D2-71	1256.08	1255.73	600.00	2.50	0.00	0.00	0.00	2.08	9.85	0.76	-9E+99	2.02	9.91	3.34	1.34
Antelope Creek	PP548	D2-71	D2-161	1255.73	1255.59	260.34	2.50	0.00	0.00	0.00	2.03	10.23	0.76	-9E+99	1.94	9.51	3.40	1.36
Antelope Creek	PP549	D2-161	D2-70	1255.59	1255.46	239.66	2.50	0.00	0.00	0.00	2.07	10.39	0.76	-9E+99	1.95	9.55	3.40	1.36
Antelope Creek	PP550	D2-70	D2-69	1255.46	1255.13	544.40	2.50	0.00	0.00	0.00	2.00	9.86	0.76	-9E+99	2.06	10.10	3.34	1.34
Antelope Creek	PP551	D2-69	D2-68	1255.13	1254.83	355.60	2.50	0.00	0.00	0.00	2.00	9.88	0.76	-9E+99	2.43	11.91	3.43	1.37
Antelope Creek	PP552	D2-68	D2-392	1254.83	1254.82	83.20	2.50	0.00	-0.56	-0.17	2.00	9.85	0.76	-9E+99	0.92	4.50	3.43	1.37
Antelope Creek	PP553	E0-4	E0-17	1311.85	1306.00	486.00	1.50	0.01	0.00	0.00	3.90	2.18	0.27	-9E+99	6.52	11.52	1.42	0.95
Antelope Creek	PP554	E0-17	E1-93	1306.00	1305.40	100.00	1.50	0.01	0.00	0.00	4.46	7.14	0.45	-9E+99	4.60	8.14	1.61	1.07
Antelope Creek	PP555	E1-93	E1-1	1305.40	1304.50	303.00	1.50	0.00	0.00	0.00	4.00	7.14	0.45	-9E+99	3.24	5.72	1.61	1.07
Antelope Creek	PP556	E1-1	E1-2	1304.50	1302.00	424.00	1.50	0.01	0.00	0.00	5.09	7.14	0.45	-9E+99	4.56	8.07	1.12	0.75
Antelope Creek	PP557	E1-2	E1-3	1302.00	1298.75	437.00	1.50	0.01	0.00	0.00	5.68	7.14	0.44	-9E+99	5.13	9.06	1.00	0.67
Antelope Creek	PP558	E1-3	E1-4	1298.75	1295.31	434.00	1.50	0.01	0.00	0.00	5.60	7.14	0.44	-9E+99	5.29	9.35	1.32	0.88
Antelope Creek	PP559	E1-4	D1-427	1295.31	1295.00	104.00	1.50	0.00	0.00	0.00	4.41	7.14	0.45	-9E+99	3.25	5.73	1.32	0.88
Antelope Creek	PP560	D1-427	D1-428	1295.00	1291.52	597.00	1.50	0.01	0.00	0.00	5.08	7.14	0.45	-9E+99	4.54	8.02	1.22	0.81
Antelope Creek	PP561	D1-428	D1-429	1291.52	1288.95	469.00	1.50	0.01	0.00	0.00	4.77	7.14	0.45	-9E+99	4.40	7.78	1.61	1.08
Antelope Creek	PP562	D1-429	D1-430	1288.95	1286.80	557.00	1.50	0.00	0.00	0.00	4.13	7.14	0.45	-9E+99	3.69	6.53	1.61	1.08
Antelope Creek	PP563	D1-430	D1-510	1286.80	1286.18	62.00	1.50	0.01	0.00	0.00	5.61	7.14	0.44	-9E+99	5.94	10.50	1.21	0.80
Antelope Creek	PP564	D1-510	D1-431	1286.18	1283.35	519.00	1.50	0.01	0.00	0.00	4.67	7.14	0.45	-9E+99	4.39	7.76	1.56	1.04
Antelope Creek	PP565	D1-431	D1-432	1283.35	1282.86	404.00	1.75	0.00	0.00	0.00	3.28	7.14	0.52	-9E+99	2.29	5.52	1.56	0.89
Antelope Creek	PP566	D1-432	D1-433	1282.86	1277.96	326.00	1.75	0.02	0.00	0.00	7.21	7.14	0.39	-9E+99	8.08	19.43	0.92	0.53
Antelope Creek	PP567	D1-433	D1-434	1277.96	1276.44	194.00	1.75	0.01	0.00	0.00	5.30	7.14	0.46	-9E+99	5.83	14.03	1.33	0.76
Antelope Creek	PP568	D1-434	D1-550	1276.44	1276.06	202.00	1.75	0.00	0.00	0.00	3.69	7.14	0.53	-9E+99	2.86	6.87	1.33	0.76
Antelope Creek	PP569	D1-550	D1-435	1276.06	1275.90	48.00	1.75	0.00	0.00	0.00	4.40	7.14	0.50	-9E+99	3.80	9.15	1.12	0.64
Antelope Creek	PP570	D1-435	D1-547	1275.90	1274.55	311.00	1.75	0.00	0.00	0.00	4.44	7.14	0.50	-9E+99	4.34	10.44	1.32	0.75
Antelope Creek	PP571	D1-547	D1-436	1274.55	1274.27	155.00	1.75	0.00	0.00	0.00	3.73	7.14	0.53	-9E+99	2.80	6.73	1.32	0.75
Antelope Creek	PP572	D1-436	D1-437	1274.27	1273.12	303.00	1.75	0.00	0.00	0.00	4.41	7.14	0.50	-9E+99	4.06	9.76	1.13	0.65
Antelope Creek	PP573	D1-437	D1-548	1273.12	1268.61	543.00	1.75	0.01	0.00	0.00	5.98	7.14	0.44	-9E+99	6.00	14.44	0.87	0.50
Antelope Creek	PP574	D1-548	D1-440	1268.61	1266.81	185.00	1.75	0.01	0.00	0.00	5.57	7.14	0.45	-9E+99	6.50	15.63	1.38	0.79
Antelope Creek	PP575	D1-440	D1-441	1266.81	1266.79	136.00	1.75	0.00	0.00	0.00	3.65	7.14	0.52	-9E+99	0.80	1.92	1.38	0.79
Antelope Creek	PP576	D1-441	D1-442	1266.79	1264.91	244.00	1.75	0.01	0.00	0.00	5.77	7.14	0.44	-9E+99	5.78	13.91	0.93	0.53
Antelope Creek	PP577	D1-442	D1-443	1264.91	1263.14	270.00	1.75	0.01	0.00	0.00	5.47	7.14	0.45	-9E+99	5.33	12.83	0.93	0.53
Antelope Creek	PP578	D1-443	D1-444	1263.14	1259.56	379.00	1.75	0.01	0.00	0.00	6.06	7.14	0.43	-9E+99	6.40	15.40	1.14	0.65
Antelope Creek	PP579	D1-444	D1-582	1259.54	1258.09	316.00	1.75	0.00	0.00	0.00	4.62	7.14	0.50	-9E+99	4.46	10.73	1.77	1.01
Antelope Creek	PP580	D1-582	D2-381	1258.09	1257.73	504.00	2.50	0.00	0.00	0.00	1.65	3.75	0.74	-9E+99	2.23	10.96	2.08	0.83
Antelope Creek	L794	D1-582	D2-179	1258.00	1257.20	501.00	2.50	0.00	0.00	0.00	2.31	3.42	0.74	-9E+99	3.34	16.39	2.63	1.05
Antelope Creek	PP581	D2-381	D2-382	1257.73	1257.45	380.00	2.50	0.00	0.00	0.00	1.57	3.76	0.76	-9E+99	2.27	11.13	2.33	0.93
Antelope Creek	PP582	D2-382	D2-383	1257.45	1257.03	587.00	2.50	0.00	-0.21	-0.17	1.38	3.78	0.76	-9E+99	2.24	10.97	2.71	1.08
Antelope Creek	PP583	D2-383	D2-384	1257.03	1256.90	173.00	2.50	0.00	0.85	-0.74	1.09	3.80	0.76	-9E+99	2.29	11.24	2.83	1.13
Antelope Creek	PP584	D2-384	D2-385	1256.90	1256.55	485.00	2.50	0.00	0.79	-1.24	0.90	3.81	0.76	-9E+99	2.24	11.02	3.14	1.26
Antelope Creek	PP585	D2-385	D2-386	1256.55	1256.12	600.00	2.50	0.00	0.00	0.00	2.23	10.20	0.76	-9E+99	2.24	10.98	3.20	1.28
Antelope Creek	PP586	D2-386	D2-387	1256.12	1255.72	543.00	2.50	0.00	0.00	0.00	2.12	10.20	0.76	-9E+99	2.27	11.13	3.27	1.31
Antelope Creek	PP587	D2-387	D2-388	1255.72	1255.57	211.00	2.50	0.00	0.00	0.00	2.11	10.42	0.76	-9E+99	2.23	10.94	3.38	1.35
Antelope Creek	PP588	D2-388	D2-389	1255.57	1255.36	291.00	2.50	0.00	0.00	0.00	2.12	10.68	0.76	-9E+99	2.24	11.02	3.49	1.40

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Antelope Creek	PP589	D2-389	D2-390	1255.36	1255.14	308.00	2.50	0.00	0.00	0.00	2.16	10.79	0.76	-9E+99	2.23	10.96	3.52	1.41
Antelope Creek	PP590	D2-390	D2-391	1255.14	1254.83	431.00	2.50	0.00	0.00	0.00	2.08	10.35	0.76	-9E+99	2.24	11.00	3.52	1.41
Antelope Creek	PP591	D2-391	D2-392	1254.83	1254.83	7.33	2.50	0.00	0.00	0.00	2.43	10.25	0.76	-9E+99	0.26	1.30	3.39	1.36
Antelope Creek	PP592	D2-392	D2-67	1254.82	1254.50	369.46	2.50	0.00	0.00	0.00	4.06	20.05	0.76	-9E+99	2.46	12.07	3.40	1.36
Antelope Creek	PP593	D2-67	D2-42	1254.50	1254.36	488.00	2.50	0.00	0.00	0.00	4.00	20.05	0.75	-9E+99	1.42	6.95	2.85	1.14
Antelope Creek	PP594	D2-42	D2-43	1254.36	1253.16	373.00	2.50	0.00	0.00	0.00	5.25	20.05	0.75	-9E+99	4.74	23.26	1.86	0.75
Antelope Creek	PP595	D2-43	D2-44	1253.16	1251.92	425.00	2.50	0.00	0.00	0.00	5.12	20.05	0.75	-9E+99	4.51	22.16	1.86	0.75
Antelope Creek	PP596	D2-44	D2-45	1251.92	1250.65	425.00	2.50	0.00	0.00	0.00	5.16	20.05	0.75	-9E+99	4.57	22.42	1.85	0.74
Antelope Creek	PP597	D2-45	D2-46	1250.65	1249.36	430.00	2.50	0.00	0.00	0.00	5.18	20.05	0.75	-9E+99	4.58	22.47	1.84	0.74
Antelope Creek	PP598	D2-46	D3-408	1249.36	1248.08	420.00	2.50	0.00	0.00	0.00	5.20	20.05	0.75	-9E+99	4.61	22.64	1.83	0.73
Antelope Creek	PP599	D3-408	D3-407	1248.08	1246.88	400.00	2.50	0.00	0.00	0.00	5.22	20.05	0.75	-9E+99	4.58	22.47	1.83	0.73
Antelope Creek	PP600	D3-407	D3-16	1246.88	1245.50	404.00	2.50	0.00	0.00	0.00	5.48	20.05	0.74	-9E+99	4.88	23.97	1.75	0.70
Antelope Creek	PP601	D3-16	D3-17	1245.50	1244.74	253.00	2.50	0.00	0.00	0.00	5.89	20.05	0.72	-9E+99	4.58	22.48	1.71	0.68
Antelope Creek	PP602	D3-17	D3-18	1244.74	1240.80	197.00	2.25	0.02	0.00	0.00	10.77	20.05	0.54	-9E+99	11.02	43.80	1.07	0.48
Antelope Creek	PP603	D3-18	D3-19	1229.59	1225.46	204.00	2.25	0.02	0.00	0.00	10.19	20.05	0.55	-9E+99	11.08	44.07	1.59	0.71
Antelope Creek	PP604	D3-19	D3-11	1225.46	1222.75	461.00	2.25	0.01	0.00	0.00	6.69	20.05	0.67	-9E+99	5.97	23.75	1.59	0.71
Antelope Creek	PP605	D3-11	D3-10	1222.75	1219.90	475.00	2.25	0.01	0.00	0.00	6.73	20.05	0.67	-9E+99	6.03	23.99	1.60	0.71
Antelope Creek	PP606	D3-10	D3-3	1219.90	1217.10	467.00	2.25	0.01	0.00	0.00	6.70	20.05	0.67	-9E+99	6.03	23.98	1.60	0.71
Antelope Creek	PP607	D3-3	D3-4	1217.10	1213.10	519.00	2.25	0.01	0.00	0.00	7.46	20.05	0.64	-9E+99	6.84	27.19	1.44	0.64
Antelope Creek	PP608	D3-4	D3-5	1213.10	1209.15	500.00	2.25	0.01	0.00	0.00	7.55	20.05	0.64	-9E+99	6.92	27.53	1.43	0.63
Antelope Creek	PP609	D3-5	D3-543	1209.15	1203.64	501.00	2.50	0.01	0.00	0.00	7.36	11.17	0.48	-9E+99	8.76	43.02	0.87	0.35
Antelope Creek	PP610	D3-5	D2-259	1209.15	1205.51	25.00	1.50	0.15	0.00	0.00	13.38	8.87	0.41	-9E+99	22.68	40.08	4.12	2.75
Antelope Creek	PP740	D2-259	D2-258	1205.51	1203.75	440.00	1.50	0.00	0.00	0.00	4.97	8.87	0.46	-9E+99	3.76	6.64	4.12	2.75
Antelope Creek	PP741	D2-258	D2-257	1203.75	1202.83	230.00	1.50	0.00	0.00	0.00	5.00	8.87	0.46	-9E+99	3.76	6.64	2.79	1.86
Antelope Creek	PP742	D2-257	D2-256	1202.83	1201.77	264.00	1.50	0.00	0.00	0.00	5.04	8.87	0.46	-9E+99	3.77	6.66	2.09	1.39
Antelope Creek	PP743	D2-256	C2-580	1201.77	1201.81	20.00	1.50	0.00	-5.35	-8.66	5.43	8.87	0.46	-9E+99	2.66	4.70	1.29	0.86
Antelope Creek	PP508	D1-312	D1-163	1259.00	1258.80	171.00	1.50	0.00	0.00	0.00	3.36	6.02	0.46	-9E+99	2.03	3.59	4.50	3.00
Antelope Creek	PP509	D1-163	D1-25	1258.80	1258.60	221.71	1.50	0.00	0.00	0.00	3.37	6.02	0.45	-9E+99	1.79	3.15	4.15	2.77
Antelope Creek	PP510	D1-25	D1-42	1258.60	1258.10	189.10	1.50	0.00	0.00	0.00	3.43	6.02	0.46	-9E+99	3.06	5.40	3.64	2.43
Antelope Creek	PP511	D1-42	D1-24	1258.10	1257.60	224.60	1.50	0.00	0.00	0.00	3.37	6.01	0.46	-9E+99	2.80	4.96	3.53	2.36
Antelope Creek	PP512	D1-24	D1-23	1257.60	1256.70	359.20	1.50	0.00	0.00	0.00	3.38	6.01	0.46	-9E+99	2.98	5.26	3.31	2.21
Antelope Creek	PP513	D1-23	D1-30	1256.70	1256.00	261.95	1.50	0.00	0.00	0.00	3.38	6.01	0.45	-9E+99	3.07	5.43	3.05	2.03
Antelope Creek	PP514	D1-30	D1-31	1256.00	1255.80	135.00	1.50	0.00	0.00	0.00	3.38	6.01	0.46	-9E+99	2.29	4.04	2.90	1.93
Antelope Creek	PP515	D1-31	D1-22	1255.80	1255.70	50.17	1.50	0.00	0.00	0.00	3.39	6.01	0.46	-9E+99	2.65	4.69	2.66	1.77
Antelope Creek	PP516	D1-22	D1-21	1255.70	1254.80	353.90	1.50	0.00	0.00	0.00	3.39	6.01	0.45	-9E+99	3.00	5.30	2.60	1.73
Antelope Creek	PP517	D1-21	D1-4	1254.80	1254.40	498.00	1.50	0.00	0.00	0.00	3.48	6.01	0.45	-9E+99	1.68	2.98	2.35	1.57
Antelope Creek	PP518	D1-4	D2-16	1254.40	1252.18	463.00	1.50	0.00	0.00	0.00	4.43	6.01	0.45	-9E+99	4.12	7.27	1.31	0.87
Antelope Creek	PP519	D2-16	D2-17	1252.18	1250.71	495.00	1.50	0.00	0.00	0.00	3.70	6.01	0.46	-9E+99	3.24	5.72	1.31	0.87
Antelope Creek	PP520	D2-17	D2-18	1250.71	1249.71	330.00	1.50	0.00	0.00	0.00	3.72	6.01	0.46	-9E+99	3.27	5.78	1.30	0.87
Antelope Creek	PP521	D2-18	D2-282	1249.71	1249.13	195.00	1.50	0.00	0.00	0.00	3.71	6.01	0.46	-9E+99	3.24	5.73	1.30	0.87
Antelope Creek	PP522	D2-282	D2-19	1249.13	1248.06	355.00	1.50	0.00	0.00	0.00	3.73	6.01	0.46	-9E+99	3.26	5.77	1.29	0.86
Antelope Creek	PP523	D2-19	D2-130	1248.06	1247.43	200.00	1.50	0.00	0.00	0.00	3.78	6.01	0.46	-9E+99	3.34	5.90	1.27	0.85
Antelope Creek	PP524	D2-130	D2-20	1247.43	1247.24	67.00	1.50	0.00	0.00	0.00	3.77	6.01	0.46	-9E+99	3.17	5.59	1.27	0.85
Antelope Creek	PP525	D2-20	D2-21	1247.24	1246.45	265.00	1.50	0.00	0.00	0.00	3.91	6.01	0.45	-9E+99	3.25	5.74	1.25	0.83
Antelope Creek	PP526	D2-21	D2-22	1246.45	1242.60	456.00	1.50	0.01	0.00	0.00	5.18	6.01	0.42	-9E+99	5.46	9.65	0.99	0.66
Antelope Creek	PP527	D2-22	D2-23	1242.60	1231.66	252.00	1.50	0.04	0.00	0.00	9.99	6.34	0.31	-9E+99	12.39	21.89	3.16	2.10
Antelope Creek	PP528	D2-23	D2-24	1231.66	1224.37	243.00	1.50	0.03	0.00	0.00	7.78	6.01	0.45	-9E+99	10.30	18.19	9.70	6.47
Antelope Creek	PP529	D2-24	D2-25	1224.37	1222.30	690.00	1.50	0.00	0.00	0.00	3.54	6.46	0.45	-9E+99	3.26	5.75	9.80	6.53
Antelope Creek	PP530	D2-25	D2-26	1222.30	1220.16	267.00	1.50	0.01	0.00	0.00	6.04	11.02	0.46	-9E+99	5.32	9.40	9.80	6.53

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Antelope Creek	PP531	D2-26	D2-255	1220.16	1217.56	325.00	1.50	0.01	0.00	0.00	6.04	11.02	0.45	-9E+99	5.32	9.40	9.19	6.13
Antelope Creek	PP532	D2-255	D2-56	1217.56	1216.20	175.00	1.50	0.01	0.00	0.00	6.06	11.02	0.45	-9E+99	5.24	9.26	8.43	5.62
Antelope Creek	PP533	D2-56	D2-48	1216.20	1215.20	120.00	1.50	0.01	0.00	0.00	6.07	11.02	0.45	-9E+99	5.43	9.59	7.96	5.31
Antelope Creek	PP534	D2-48	C2-X50	1215.20	1214.16	143.00	1.50	0.01	0.00	0.00	6.08	11.02	0.45	-9E+99	5.07	8.96	7.71	5.14
Antelope Creek	PP535	C2-X50	C2-587	1214.16	1212.76	151.00	1.50	0.01	0.00	0.00	6.09	11.02	0.45	-9E+99	5.72	10.11	7.25	4.84
Antelope Creek	PP536	C2-587	C2-586	1212.76	1212.13	254.00	1.50	0.00	0.00	0.00	6.10	11.02	0.45	-9E+99	2.96	5.23	7.07	4.71
Antelope Creek	PP537	C2-586	C2-585	1212.13	1210.40	254.00	1.50	0.01	0.00	0.00	6.15	11.02	0.46	-9E+99	4.91	8.67	5.01	3.34
Antelope Creek	PP538	C2-585	C2-584	1210.40	1209.06	161.00	1.50	0.01	0.00	0.00	6.20	11.02	0.46	-9E+99	5.42	9.58	4.02	2.68
Antelope Creek	PP539	C2-584	C2-582	1209.06	1204.70	276.00	1.50	0.02	0.00	0.00	7.43	11.02	0.45	-9E+99	7.47	13.20	5.00	3.33
Antelope Creek	PP540	C2-582	C2-581	1204.70	1203.16	123.00	1.50	0.01	0.00	0.00	6.14	11.02	0.45	-9E+99	6.65	11.75	5.23	3.49
Antelope Creek	PP541	C2-581	C2-580	1203.16	1201.81	500.00	1.50	0.00	0.00	0.00	6.21	11.02	0.45	-9E+99	3.09	5.46	5.23	3.49
Antelope Creek	PP744	C2-580	C3-578	1201.80	1198.10	45.00	1.50	0.08	0.00	0.00	15.72	19.90	0.43	-9E+99	17.04	30.12	2.11	1.41
Antelope Creek	PP611	D3-543	C3-578	1203.64	1198.14	500.00	2.50	0.01	0.00	0.00	6.21	11.17	0.51	-9E+99	8.76	43.02	2.07	0.83
Antelope Creek	PP612	C3-578	C3-444	1198.14	1195.50	644.30	3.00	0.00	0.00	0.00	6.73	34.93	0.88	-9E+99	6.04	42.69	2.07	0.69
Antelope Creek	PP613	C3-444	C3-450	1195.50	1193.69	424.62	3.00	0.00	0.00	0.00	6.82	34.93	0.88	-9E+99	6.16	43.55	2.07	0.69
Antelope Creek	PP614	C3-450	C3-461	1193.69	1192.02	408.67	3.00	0.00	0.00	0.00	6.73	34.93	0.88	-9E+99	6.03	42.64	2.07	0.69
Antelope Creek	PP615	C3-461	C3-462	1192.02	1190.79	299.23	3.00	0.00	0.00	0.00	6.83	34.93	0.88	-9E+99	6.05	42.76	2.05	0.68
Antelope Creek	PP616	C3-462	C3-477	1190.79	1190.29	122.78	3.00	0.00	0.00	0.00	8.12	34.93	0.82	-9E+99	6.02	42.56	1.81	0.60
Antelope Creek	PP617	C3-477	C3-488	1190.29	1188.35	71.50	3.00	0.03	0.00	0.00	11.00	34.93	0.70	-9E+99	15.54	109.87	2.17	0.72
Antelope Creek	PP618	C3-488	C3-67	1188.35	1187.36	267.02	3.00	0.00	0.00	0.00	6.37	34.93	0.90	-9E+99	5.75	40.61	2.22	0.74
Antelope Creek	PP619	C3-67	C3-635	1187.36	1186.28	334.00	3.00	0.00	0.00	0.00	6.33	34.93	0.90	-9E+99	5.37	37.93	2.22	0.74
Antelope Creek	PP620	C3-635	C3-554	1186.28	1185.52	85.44	3.00	0.01	0.00	0.00	7.02	34.93	0.87	-9E+99	8.90	62.91	2.46	0.82
Antelope Creek	PP621	C3-554	C3-555	1185.52	1183.96	602.20	3.00	0.00	0.00	0.00	5.76	34.93	0.91	-9E+99	4.80	33.95	2.46	0.82
Antelope Creek	PP622	C3-555	C3-556	1183.96	1181.46	491.95	3.00	0.01	0.00	0.00	7.06	34.93	0.87	-9E+99	6.73	47.55	2.28	0.76
Antelope Creek	PP623	C3-556	C3-557	1181.46	1180.39	363.55	3.00	0.00	0.00	0.00	6.16	34.93	0.90	-9E+99	5.12	36.18	2.28	0.76
Antelope Creek	PP624	C3-178	C3-612	1189.00	1183.06	440.08	1.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	6.91	12.20	-0.06	0.00
Antelope Creek	PP625	C3-612	C3-557	1183.06	1180.39	225.62	1.50	0.01	0.00	0.00	0.00	0.00	0.05	-9E+99	6.47	11.43	1.79	0.00
Antelope Creek	PP626	C3-557	C3-558	1180.39	1179.09	265.67	3.50	0.00	0.00	0.00	6.94	34.93	0.89	-9E+99	7.32	70.38	2.03	0.58
Antelope Creek	PP627	C3-558	C3-559	1179.09	1177.88	403.48	3.50	0.00	0.00	0.00	6.05	34.93	0.95	-9E+99	5.73	55.10	2.03	0.58
Antelope Creek	PP628	C3-559	C3-560	1177.88	1176.70	393.30	3.50	0.00	0.00	0.00	6.03	34.93	0.95	-9E+99	5.73	55.11	2.05	0.59
Antelope Creek	PP629	C3-560	C3-561	1176.70	1175.31	464.40	3.50	0.00	0.00	0.00	5.91	34.93	0.96	-9E+99	5.72	55.04	2.18	0.62
Antelope Creek	PP630	C3-561	C3-562	1175.31	1173.86	434.00	3.50	0.00	0.00	0.00	6.29	39.94	0.99	-9E+99	6.04	58.15	2.35	0.67
Antelope Creek	PP631	C3-562	C3-563	1173.86	1172.62	434.00	3.50	0.00	0.00	0.00	5.74	39.94	1.03	-9E+99	5.59	53.78	2.61	0.75
Antelope Creek	PP632	C3-563	C3-564	1172.62	1171.96	434.00	3.50	0.00	0.00	0.00	5.28	39.94	1.05	-9E+99	4.08	39.23	2.61	0.75
Antelope Creek	PP633	C3-564	C3-565	1171.96	1171.30	213.00	3.50	0.00	0.00	0.00	6.17	39.94	1.00	-9E+99	5.82	56.00	2.29	0.65
Antelope Creek	PP634	C3-565	C3-536	1171.30	1169.88	482.00	3.50	0.00	0.00	0.00	5.94	39.94	1.01	-9E+99	5.68	54.61	2.48	0.71
Antelope Creek	PP635	C3-536	C3-567	1169.88	1168.95	418.00	3.50	0.00	0.00	0.00	5.46	39.94	1.04	-9E+99	4.93	47.46	2.52	0.72
Antelope Creek	PP636	C3-567	C3-568	1168.95	1167.80	570.00	3.50	0.00	0.00	0.00	5.43	39.94	1.04	-9E+99	4.70	45.19	2.52	0.72
Antelope Creek	PP637	C3-568	C3-569	1167.80	1166.69	451.00	3.50	0.00	0.00	0.00	5.77	39.94	1.02	-9E+99	5.19	49.91	2.37	0.68
Antelope Creek	PP638	C3-569	C3-570	1166.69	1165.53	391.00	3.50	0.00	0.00	0.00	5.72	39.94	1.03	-9E+99	5.70	54.80	2.65	0.76
Antelope Creek	PP639	C3-570	C3-571	1165.53	1164.24	548.00	3.50	0.00	0.00	0.00	5.04	39.94	1.06	-9E+99	5.07	48.81	3.03	0.87
Antelope Creek	PP640	C3-624	C3-380	1170.19	1168.81	385.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.56	6.29	-0.01	0.00
Antelope Creek	PP641	C3-380	C3-378	1168.81	1168.29	145.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.56	6.29	-0.09	0.00
Antelope Creek	PP642	C3-378	C3-571	1168.29	1164.24	32.00	1.75	0.13	0.00	0.00	0.00	0.00	0.06	-9E+99	23.44	56.37	3.03	0.00
Antelope Creek	PP643	C3-571	C3-572	1164.24	1164.24	367.00	3.50	0.00	0.00	0.00	4.63	39.94	1.08	-9E+99	0.33	3.18	3.03	0.87
Antelope Creek	PP644	C3-572	C3-573	1164.24	1163.32	361.00	3.50	0.00	0.00	0.00	6.12	39.94	1.00	-9E+99	5.28	50.79	2.28	0.65
Antelope Creek	PP645	C3-573	C4-516	1163.32	1161.03	322.00	3.50	0.01	0.00	0.00	8.48	39.94	0.86	-9E+99	8.82	84.85	1.85	0.53
Antelope Creek	PP646	C4-516	C4-511	1161.03	1159.10	320.00	3.50	0.01	0.00	0.00	7.52	39.94	0.92	-9E+99	8.12	78.13	2.31	0.66
Antelope Creek	PP647	C4-511	C4-512	1159.10	1158.05	350.00	3.50	0.00	0.00	0.00	5.89	39.94	1.02	-9E+99	5.73	55.11	2.51	0.72

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Antelope Creek	PP648	C4-512	C4-513	1158.05	1157.00	350.00	3.50	0.00	0.00	0.00	6.42	47.40	1.04	-9E+99	5.73	55.11	2.52	0.72
Antelope Creek	PP649	C4-513	C4-514	1157.00	1155.74	420.00	3.50	0.00	0.00	0.00	6.40	47.40	1.04	-9E+99	5.73	55.11	2.54	0.73
Antelope Creek	PP650	C4-514	C4-570	1155.74	1154.49	437.13	3.50	0.00	0.00	0.00	6.35	47.40	1.05	-9E+99	5.59	53.80	2.54	0.73
Antelope Creek	PP651	C4-570	C4-569	1154.49	1153.51	304.69	3.50	0.00	0.00	0.00	6.43	47.40	1.04	-9E+99	5.93	57.06	2.59	0.74
Antelope Creek	PP652	C4-569	B4-572	1153.51	1152.94	216.00	3.50	0.00	0.00	0.00	6.21	47.40	1.05	-9E+99	5.37	51.68	2.59	0.74
Antelope Creek	PP653	B4-572	B4-571	1152.94	1152.25	229.00	3.50	0.00	0.00	0.00	6.30	47.40	1.05	-9E+99	5.74	55.23	2.60	0.74
Antelope Creek	PP654	B4-571	B4-570	1152.25	1151.39	322.00	3.50	0.00	0.00	0.00	6.20	47.40	1.05	-9E+99	5.40	51.99	2.60	0.74
Antelope Creek	PP655	B4-570	B4-569	1151.39	1150.02	423.00	3.50	0.00	0.00	0.00	6.23	47.40	1.05	-9E+99	5.95	57.26	2.82	0.81
Antelope Creek	PP656	B4-569	B4-568	1150.02	1149.47	382.00	3.50	0.00	0.00	0.00	5.86	47.40	1.06	-9E+99	3.97	38.18	2.82	0.81
Antelope Creek	PP657	B4-568	B4-567	1149.47	1146.03	290.00	3.50	0.01	0.00	0.00	9.40	47.40	0.88	-9E+99	11.39	109.58	2.84	0.81
Antelope Creek	PP658	B4-567	B4-566	1146.03	1145.29	493.00	4.00	0.00	0.00	0.00	4.98	47.40	1.22	-9E+99	4.43	55.65	2.84	0.71
Antelope Creek	PP659	B4-ADD	B4-302	1153.25	1151.16	436.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.56	10.97	-0.06	0.00
Antelope Creek	PP660	B4-302	B4-584	1151.16	1150.74	254.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.68	6.44	-0.04	0.00
Antelope Creek	PP661	B4-584	B4-587	1150.74	1150.74	76.75	1.75	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.21	0.50	-0.04	0.00
Antelope Creek	PP662	B4-587	B4-586	1150.74	1150.08	95.48	1.75	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.48	13.17	-0.08	0.00
Antelope Creek	PP663	B4-586	B4-359	1150.08	1150.09	17.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.60	3.84	-0.08	0.00
Antelope Creek	PP664	B4-359	B4-566	1150.09	1145.29	96.00	0.67	0.05	0.00	0.00	0.00	0.00	0.02	-9E+99	7.77	2.74	2.83	0.00
Antelope Creek	PP665	B4-566	B4-565	1145.29	1145.08	142.00	4.00	0.00	0.00	0.00	4.99	47.39	1.22	-9E+99	4.40	55.24	2.83	0.71
Antelope Creek	PP666	B4-565	B4-576	1145.08	1144.64	292.94	4.00	0.00	0.00	0.00	5.00	47.39	1.22	-9E+99	4.43	55.67	2.83	0.71
Antelope Creek	PP667	B4-576	B4-547	1144.64	1144.03	405.99	4.00	0.00	0.00	0.00	5.02	47.39	1.22	-9E+99	4.43	55.68	2.82	0.70
Antelope Creek	PP668	B4-547	B4-544	1144.03	1143.31	485.73	4.00	0.00	0.00	0.00	5.07	47.39	1.22	-9E+99	4.40	55.30	2.80	0.70
Antelope Creek	PP669	B4-544	B4-527	1143.31	1143.06	191.00	4.00	0.00	0.00	0.00	5.21	47.39	1.20	-9E+99	4.14	51.97	2.73	0.68
Antelope Creek	PP670	B4-527	B4-487	1143.06	1142.77	191.00	4.00	0.00	0.00	0.00	5.45	47.39	1.17	-9E+99	4.45	55.97	2.62	0.66
Antelope Creek	PP671	B4-487	B4-486	1142.77	1142.51	166.00	4.00	0.00	-0.70	-0.47	5.73	47.39	1.13	-9E+99	4.52	56.85	2.52	0.63
Antelope Creek	PP672	B4-486	B4-687	1142.51	1142.60	26.00	3.50	0.00	-4.05	-24.64	4.17	28.65	1.02	-9E+99	6.15	59.19	2.33	0.67
Antelope Creek	PP673	B4-486	B4-12	1142.51	1142.38	60.32	3.00	0.00	0.00	0.00	3.71	22.23	0.91	-9E+99	4.38	30.96	2.43	0.81
Antelope Creek	PP674	B4-687	B4-686	1142.60	1142.51	59.00	3.50	0.00	0.00	0.00	4.41	28.65	1.00	-9E+99	4.08	39.29	2.24	0.64
Antelope Creek	PP675	B4-686	B4-685	1142.51	1141.92	363.00	3.50	0.00	0.00	0.00	4.38	28.65	1.00	-9E+99	4.22	40.56	2.32	0.66
Antelope Creek	PP676	B4-685	B4-684	1141.92	1141.34	361.00	3.50	0.00	0.00	0.00	4.30	28.64	1.02	-9E+99	4.19	40.33	2.45	0.70
Antelope Creek	PP677	B4-684	B5-528	1141.34	1141.15	125.00	3.50	0.00	0.00	0.00	4.20	28.65	1.04	-9E+99	4.08	39.22	2.50	0.71
Antelope Creek	PP678	B5-528	B5-527	1141.15	1140.72	269.00	3.50	0.00	0.00	0.00	4.16	28.66	1.04	-9E+99	4.18	40.23	2.67	0.76
Antelope Creek	PP679	B5-527	B5-526	1140.72	1140.63	55.00	3.50	0.00	0.00	0.00	4.01	28.90	1.06	-9E+99	4.23	40.70	2.71	0.78
Antelope Creek	PP680	B5-526	B5-524	1140.63	1140.43	127.00	3.50	0.00	0.00	0.00	3.95	28.72	1.06	-9E+99	4.15	39.93	2.81	0.80
Antelope Creek	PP681	B5-524	B5-522	1140.43	1139.78	400.00	3.50	0.00	0.00	0.00	3.79	29.73	1.06	-9E+99	4.22	40.56	3.44	0.98
Antelope Creek	PP739	B5-522	B5-520	1139.78	1139.04	400.00	3.50	0.00	0.00	0.00	5.46	42.34	1.08	-9E+99	4.50	43.27	3.44	0.98
Antelope Creek	L797	B5-520	B5-139	1139.04	1138.84	175.00	4.00	0.00	0.00	0.00	6.88	51.13	1.32	-9E+99	3.86	48.56	3.34	0.84
Antelope Creek	PP682	B4-12	B4-688	1142.38	1142.29	81.29	3.00	0.00	0.00	0.00	3.62	22.23	0.91	-9E+99	3.14	22.19	2.43	0.81
Antelope Creek	PP683	B4-688	B4-6	1142.29	1141.94	338.86	3.00	0.00	0.00	0.00	3.63	22.23	0.91	-9E+99	3.03	21.44	2.43	0.81
Antelope Creek	PP684	B4-6	B4-7	1141.94	1141.91	30.00	3.00	0.00	0.00	0.00	3.69	22.23	0.91	-9E+99	2.98	21.09	2.39	0.80
Antelope Creek	PP685	B4-7	B5-531	1141.91	1141.66	348.00	3.00	0.00	0.00	0.00	3.73	22.23	0.91	-9E+99	2.53	17.88	2.38	0.79
Antelope Creek	PP686	B4-650	B4-536	1148.12	1147.88	153.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.35	4.16	-0.08	0.00
Antelope Creek	PP687	B4-536	B4-5	1147.88	1147.21	221.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.27	5.78	-0.01	0.00
Antelope Creek	PP688	B4-5	B5-533	1147.21	1146.07	211.51	1.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	4.36	7.71	-0.07	0.00
Antelope Creek	PP689	B5-533	B5-532	1146.07	1146.22	21.00	1.50	-0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.02	8.88	-0.07	0.00
Antelope Creek	PP690	B5-532	B5-531	1146.22	1141.66	86.39	1.50	0.05	0.00	0.00	0.00	0.00	0.05	-9E+99	13.66	24.13	2.16	0.00
Antelope Creek	PP691	B5-531	B5-88	1141.66	1140.96	573.92	3.00	0.00	0.00	0.00	4.21	22.39	0.89	-9E+99	3.30	23.29	2.16	0.72
Antelope Creek	PP692	B5-88	B5-522	1140.96	1139.78	8.83	3.00	0.13	3.54	14.26	8.77	37.90	0.89	-9E+99	34.49	243.82	3.44	1.15
Antelope Creek	L795	B5-88	B5-520	1140.96	1140.71	399.05	3.00	0.00	0.00	0.00	2.72	12.05	0.85	-9E+99	2.36	16.69	1.93	0.64
Antelope Creek	PP698	B5-517	B5-516	1136.47	1135.72	348.00	3.50	0.00	0.00	0.00	5.65	42.37	1.06	-9E+99	4.85	46.71	5.59	1.60

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Antelope Creek	PP699	B5-516	B5-515	1135.72	1134.41	348.00	3.50	0.00	0.00	0.00	6.01	42.40	1.05	-9E+99	6.42	61.73	6.29	1.80
Antelope Creek	PP700	B5-515	B5-626	1134.41	1133.77	361.00	3.50	0.00	0.00	0.00	4.91	42.41	1.06	-9E+99	4.40	42.36	6.31	1.80
Antelope Creek	PP701	B5-626	B5-500	1133.77	1133.05	192.00	3.50	0.00	0.00	0.00	4.85	42.43	1.06	-9E+99	6.40	61.61	6.71	1.92
Antelope Creek	PP702	B5-500	B5-498	1133.05	1132.94	216.00	3.50	0.00	0.00	0.00	4.59	44.43	1.06	-9E+99	2.36	22.70	6.70	1.92
Antelope Creek	PP703	B5-498	B5-496	1132.94	1132.38	289.50	3.50	0.00	0.00	0.00	4.60	44.48	1.06	-9E+99	4.60	44.25	6.39	1.83
Antelope Creek	PP704	B5-496	B5-495	1132.38	1131.98	316.44	3.50	0.00	0.00	0.00	4.60	44.51	1.06	-9E+99	3.72	35.77	6.39	1.83
Antelope Creek	PP705	B5-495	B5-494	1131.98	1131.58	316.44	3.50	0.00	0.00	0.00	4.60	44.46	1.06	-9E+99	3.72	35.77	6.20	1.77
Antelope Creek	PP706	B5-494	B5-508	1131.58	1131.46	90.00	3.50	0.00	0.00	0.00	4.60	44.46	1.06	-9E+99	3.82	36.74	5.99	1.71
Antelope Creek	PP707	B5-508	B5-493	1131.46	1131.14	253.00	3.50	0.00	0.00	0.00	4.61	44.54	1.06	-9E+99	3.72	35.78	5.94	1.70
Antelope Creek	PP708	B5-493	B5-492	1131.15	1130.72	329.00	3.50	0.00	0.00	0.00	4.62	44.58	1.06	-9E+99	3.76	36.20	5.76	1.64
Antelope Creek	PP709	B5-492	B5-491	1130.72	1130.27	344.00	3.50	0.00	0.00	0.00	4.61	44.51	1.06	-9E+99	3.78	36.39	5.56	1.59
Antelope Creek	PP710	B5-491	B5-490	1130.27	1129.87	325.00	3.50	0.00	0.00	0.00	4.61	44.50	1.06	-9E+99	3.67	35.30	5.38	1.54
Antelope Creek	PP711	B5-490	B5-489	1129.87	1129.32	427.16	3.50	0.00	0.00	0.00	4.62	44.61	1.06	-9E+99	3.75	36.10	5.15	1.47
Antelope Creek	PP712	B5-489	B5-488	1129.32	1128.79	411.00	3.50	0.00	0.00	0.00	4.62	44.60	1.06	-9E+99	3.76	36.13	4.88	1.40
Antelope Creek	PP713	B5-488	B5-487	1128.79	1128.44	269.71	3.50	0.00	0.00	0.00	4.64	45.65	1.06	-9E+99	3.77	36.24	4.66	1.33
Antelope Creek	PP714	B5-487	B5-486	1128.44	1128.07	296.35	3.50	0.00	0.00	0.00	4.63	45.54	1.06	-9E+99	3.69	35.55	4.48	1.28
Antelope Creek	PP715	B5-486	B5-485	1128.07	1127.72	261.05	3.50	0.00	0.00	0.00	4.48	44.92	1.06	-9E+99	3.83	36.84	4.23	1.21
Antelope Creek	PP737	B5-637	B5-638	1130.19	1129.98	231.00	3.00	0.00	0.00	0.00	3.27	10.16	0.70	-9E+99	2.85	20.11	1.37	0.46
Antelope Creek	PP738	B5-638	B5-639	1129.98	1129.70	142.00	3.00	0.00	0.00	0.00	3.80	10.16	0.65	-9E+99	4.19	29.62	1.21	0.40
Antelope Creek	PP718	B5-139	B5-17	1141.32	1139.61	258.00	3.00	0.01	0.00	0.00	5.09	9.01	0.51	-9E+99	7.68	54.30	1.39	0.46
Antelope Creek	L799	B5-139	B5-139-2	1138.84	1137.70	70.00	4.00	0.02	0.00	0.00	11.43	42.94	1.28	-9E+99	14.59	183.31	4.48	1.12
Antelope Creek	PP719	B5-17	B5-148	1139.61	1139.45	174.00	3.00	0.00	0.00	0.00	2.82	9.01	0.71	-9E+99	2.86	20.23	1.39	0.46
Antelope Creek	PP720	B5-148	B5-620	1139.45	1139.30	137.00	3.00	0.00	0.00	0.00	2.83	9.01	0.71	-9E+99	3.12	22.07	1.40	0.47
Antelope Creek	PP721	B5-620	B5-621	1139.30	1139.13	192.00	3.00	0.00	0.00	0.00	2.79	9.01	0.72	-9E+99	2.81	19.85	1.40	0.47
Antelope Creek	PP722	B5-621	B5-622	1139.13	1138.70	468.00	3.00	0.00	0.00	0.00	2.83	9.01	0.71	-9E+99	2.86	20.22	1.39	0.46
Antelope Creek	PP723	B5-622	B5-623	1138.70	1138.29	468.26	3.00	0.00	0.00	0.00	3.02	9.01	0.69	-9E+99	2.79	19.74	1.35	0.45
Antelope Creek	PP724	B5-623	B5-211	1138.29	1137.14	398.00	3.00	0.00	0.00	0.00	4.14	9.01	0.57	-9E+99	5.07	35.85	1.12	0.37
Antelope Creek	PP725	B5-211	B5-212	1137.14	1136.28	398.00	3.00	0.00	0.00	0.00	3.72	9.01	0.61	-9E+99	4.39	31.00	1.19	0.40
Antelope Creek	PP726	B5-212	B5-237	1136.28	1135.40	512.00	3.00	0.00	0.00	0.00	3.50	9.01	0.63	-9E+99	3.91	27.65	1.19	0.40
Antelope Creek	PP727	B5-237	B5-236	1135.40	1134.54	317.70	3.00	0.00	0.00	0.00	4.04	9.00	0.58	-9E+99	4.91	34.70	1.12	0.37
Antelope Creek	PP728	B5-236	B5-267	1134.54	1134.10	208.20	3.00	0.00	0.00	0.00	3.73	9.00	0.61	-9E+99	4.34	30.66	1.14	0.38
Antelope Creek	PP729	B5-267	B5-291	1134.10	1133.70	208.20	3.00	0.00	0.00	0.00	3.68	9.00	0.62	-9E+99	4.14	29.24	1.14	0.38
Antelope Creek	PP730	B5-291	B5-289	1133.70	1132.79	413.00	3.00	0.00	0.00	0.00	3.79	9.00	0.61	-9E+99	4.43	31.31	1.14	0.38
Antelope Creek	PP731	B5-289	B5-287	1132.79	1132.60	94.90	3.00	0.00	0.00	0.00	3.65	9.00	0.62	-9E+99	4.22	29.84	1.15	0.38
Antelope Creek	PP732	B5-287	B5-547	1132.60	1131.98	324.00	3.00	0.00	0.00	0.00	3.68	9.00	0.62	-9E+99	4.13	29.18	1.15	0.38
Antelope Creek	PP733	B5-547	B5-317	1131.98	1131.64	111.00	3.00	0.00	0.00	0.00	4.38	9.00	0.56	-9E+99	5.22	36.91	1.00	0.33
Antelope Creek	PP734	B5-317	B5-634	1131.64	1131.04	93.40	3.00	0.01	0.00	0.00	4.84	9.00	0.52	-9E+99	7.56	53.46	1.21	0.40
Antelope Creek	PP735	B5-634	B5-635	1131.04	1130.57	193.00	3.00	0.00	-0.02	0.00	3.29	9.00	0.65	-9E+99	4.66	32.91	1.46	0.49
Antelope Creek	PP736	B5-635	B5-637	1130.57	1130.19	409.00	3.00	0.00	0.00	0.00	3.00	10.16	0.73	-9E+99	2.88	20.33	1.46	0.49
Beals & Salt Valley	PP1	D0-168	D0-167	1247.85	1246.31	476.00	2.25	0.00	0.00	0.00	3.59	4.02	0.41	-9E+99	4.43	17.62	0.73	0.33
Beals & Salt Valley	PP2	D0-167	D0-166	1246.31	1244.84	451.00	2.25	0.00	0.00	0.00	3.60	4.02	0.41	-9E+99	4.45	17.68	0.73	0.32
Beals & Salt Valley	PP3	D0-166	D0-165	1244.84	1243.40	444.00	2.25	0.00	0.00	0.00	3.58	4.02	0.41	-9E+99	4.44	17.64	0.75	0.33
Beals & Salt Valley	PP4	D0-165	D0-164	1243.40	1242.10	400.00	2.25	0.00	0.00	0.00	3.51	4.02	0.42	-9E+99	4.44	17.66	0.75	0.33
Beals & Salt Valley	PP5	D0-164	D0-150	1242.10	1241.30	170.00	2.25	0.00	0.00	0.00	4.01	4.02	0.38	-9E+99	5.34	21.25	0.75	0.33
Beals & Salt Valley	PP6	D0-150	D0-149	1241.30	1239.47	610.00	2.25	0.00	0.00	0.00	3.19	4.02	0.43	-9E+99	4.27	16.96	1.24	0.55
Beals & Salt Valley	PP7	D0-149	D0-148	1239.47	1239.67	600.00	2.25	0.00	-1.54	-2.46	1.93	4.02	0.56	-9E+99	1.42	5.65	1.04	0.46
Beals & Salt Valley	PP8	D0-148	D0-60	1239.67	1231.14	440.00	2.25	0.02	0.00	0.00	6.52	4.02	0.29	-9E+99	10.85	43.12	0.59	0.26
Beals & Salt Valley	PP9	D0-60	D0-61	1231.14	1228.60	400.00	2.50	0.01	0.00	0.00	4.51	4.02	0.35	-9E+99	6.66	32.69	0.60	0.24
Beals & Salt Valley	PP10	D0-61	D0-62	1228.60	1226.31	383.00	2.50	0.01	0.00	0.00	4.14	4.02	0.37	-9E+99	6.46	31.72	0.87	0.35

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP11	D0-62	C0-124	1226.31	1225.39	517.00	2.50	0.00	0.00	0.00	2.77	4.02	0.47	-9E+99	3.52	17.30	0.87	0.35
Beals & Salt Valley	PP12	C0-124	C0-123	1225.39	1222.25	331.00	2.50	0.01	0.00	0.00	5.08	4.02	0.32	-9E+99	8.14	39.95	0.63	0.25
Beals & Salt Valley	PP13	C0-123	C0-122	1222.25	1220.83	280.00	2.50	0.01	0.00	0.00	4.09	4.02	0.37	-9E+99	5.95	29.21	0.71	0.28
Beals & Salt Valley	PP14	C0-122	C0-121	1220.83	1219.16	500.00	2.50	0.00	0.00	0.00	3.54	4.02	0.41	-9E+99	4.83	23.70	0.71	0.28
Beals & Salt Valley	PP15	C0-121	C0-120	1219.16	1217.17	502.00	2.50	0.00	0.00	0.00	3.82	4.02	0.39	-9E+99	5.26	25.82	0.67	0.27
Beals & Salt Valley	PP16	C0-120	C0-119	1217.17	1216.04	285.00	2.50	0.00	0.00	0.00	3.75	4.02	0.39	-9E+99	5.26	25.83	0.75	0.30
Beals & Salt Valley	PP17	C0-119	C1-564	1216.04	1215.20	263.00	2.50	0.00	0.00	0.00	3.39	4.02	0.41	-9E+99	4.72	23.18	0.75	0.30
Beals & Salt Valley	PP18	C1-564	C1-2	1215.20	1214.97	58.20	2.50	0.00	0.00	0.00	2.90	1.79	0.28	-9E+99	5.25	25.79	0.49	0.20
Beals & Salt Valley	PP19	C1-564	C1-565	1215.20	1212.34	375.00	2.00	0.01	0.00	0.00	2.95	2.23	0.30	-9E+99	6.29	19.76	1.81	0.91
Beals & Salt Valley	PP20	C1-2	C1-3	1214.97	1213.46	280.00	1.50	0.01	0.00	0.00	3.05	1.79	0.29	-9E+99	4.37	7.71	1.19	0.80
Beals & Salt Valley	PP22	C1-3	C1-565	1213.46	1212.34	83.00	1.75	0.01	0.00	0.00	6.10	11.05	0.51	-9E+99	7.65	18.41	1.81	1.04
Beals & Salt Valley	PP23	C1-12	C1-13	1211.57	1209.51	457.13	1.75	0.00	0.00	0.00	4.95	8.97	0.52	-9E+99	4.42	10.64	1.24	0.71
Beals & Salt Valley	PP24	C1-13	C1-14	1209.51	1207.47	453.00	1.75	0.00	0.00	0.00	4.89	8.97	0.52	-9E+99	4.42	10.63	1.32	0.76
Beals & Salt Valley	PP25	C1-14	C1-15	1207.47	1205.85	456.00	2.00	0.00	0.00	0.00	4.66	10.32	0.58	-9E+99	4.29	13.48	1.40	0.70
Beals & Salt Valley	PP26	C1-15	C1-16	1205.85	1204.52	444.00	2.00	0.00	0.00	0.00	4.37	10.32	0.59	-9E+99	3.94	12.38	1.44	0.72
Beals & Salt Valley	PP27	C1-16	C1-17	1204.52	1203.21	439.00	2.00	0.00	0.00	0.00	4.24	10.32	0.60	-9E+99	3.93	12.36	1.62	0.81
Beals & Salt Valley	PP28	C1-17	C1-19	1203.21	1202.22	330.00	2.00	0.00	0.00	0.00	4.43	12.03	0.61	-9E+99	3.94	12.39	1.66	0.83
Beals & Salt Valley	PP29	C1-19	C1-36	1202.22	1200.92	431.72	2.00	0.00	0.00	0.00	4.51	12.51	0.61	-9E+99	3.95	12.41	1.68	0.84
Beals & Salt Valley	PP30	C1-36	C1-37	1200.92	1199.57	449.00	2.00	0.00	0.00	0.00	4.50	12.50	0.61	-9E+99	3.95	12.40	1.74	0.87
Beals & Salt Valley	PP31	C1-37	C1-38	1199.57	1198.22	451.00	2.00	0.00	0.00	0.00	4.49	12.49	0.61	-9E+99	3.94	12.38	1.89	0.95
Beals & Salt Valley	PP32	C1-38	C1-39	1198.22	1196.87	450.00	2.00	0.00	0.00	0.00	4.50	12.48	0.61	-9E+99	3.94	12.39	2.00	1.00
Beals & Salt Valley	PP33	C1-39	C1-40	1196.87	1195.51	452.00	2.00	0.00	0.00	0.00	4.48	12.48	0.61	-9E+99	3.95	12.41	2.03	1.01
Beals & Salt Valley	PP34	C1-40	C1-41	1195.51	1194.57	315.00	2.00	0.00	0.00	0.00	4.43	12.48	0.61	-9E+99	3.93	12.36	2.05	1.02
Beals & Salt Valley	PP35	C1-41	C1-42	1194.57	1194.16	158.00	2.00	0.00	0.00	0.00	4.37	12.48	0.61	-9E+99	3.67	11.52	2.05	1.02
Beals & Salt Valley	PP36	C1-42	C1-43	1194.16	1192.58	525.00	2.00	0.00	0.00	0.00	4.48	12.76	0.61	-9E+99	3.95	12.41	2.04	1.02
Beals & Salt Valley	PP37	C1-43	C1-44	1192.58	1191.11	488.99	2.00	0.00	0.00	0.00	4.38	13.07	0.61	-9E+99	3.95	12.40	2.09	1.04
Beals & Salt Valley	PP38	C1-44	C1-92	1191.11	1189.86	417.40	2.00	0.00	0.00	0.00	4.49	13.34	0.61	-9E+99	3.94	12.38	2.09	1.04
Beals & Salt Valley	PP39	C1-92	C1-99	1189.86	1188.38	494.61	2.00	0.00	0.00	0.00	4.46	13.29	0.61	-9E+99	3.94	12.37	2.00	1.00
Beals & Salt Valley	PP40	C1-99	C1-101	1188.38	1186.49	540.00	2.00	0.00	0.00	0.00	4.76	14.36	0.61	-9E+99	4.26	13.38	1.95	0.98
Beals & Salt Valley	PP41	C1-101	C1-186	1186.49	1185.42	358.00	2.00	0.00	0.00	0.00	4.82	14.68	0.61	-9E+99	3.94	12.37	1.92	0.96
Beals & Salt Valley	PP42	C1-186	C1-188	1185.42	1183.70	490.00	2.25	0.00	0.00	0.00	5.03	14.68	0.66	-9E+99	4.61	18.35	1.65	0.73
Beals & Salt Valley	PP43	C1-188	C1-190	1183.70	1182.31	413.00	2.25	0.00	0.00	0.00	5.11	15.34	0.66	-9E+99	4.52	17.97	1.65	0.73
Beals & Salt Valley	PP44	C1-190	C1-191	1182.31	1181.11	102.00	2.25	0.01	0.00	0.00	7.78	15.34	0.56	-9E+99	8.45	33.59	1.27	0.57
Beals & Salt Valley	PP45	C1-191	C1-193	1181.11	1179.64	189.00	2.25	0.01	0.00	0.00	6.40	15.34	0.61	-9E+99	6.87	27.31	1.62	0.72
Beals & Salt Valley	PP46	C1-193	C1-195	1179.64	1177.91	509.00	2.25	0.00	0.00	0.00	5.07	15.55	0.67	-9E+99	4.54	18.06	1.66	0.74
Beals & Salt Valley	PP47	C1-195	C1-197	1177.91	1176.21	500.00	2.25	0.00	0.00	0.00	5.09	15.55	0.67	-9E+99	4.54	18.06	1.66	0.74
Beals & Salt Valley	PP48	C1-197	C1-569	1176.21	1174.16	252.65	2.25	0.01	0.00	0.00	6.55	15.55	0.61	-9E+99	7.02	27.90	1.71	0.76
Beals & Salt Valley	PP49	D0-168-2	D0-167-2	1247.85	1246.31	476.00	2.00	0.00	0.00	0.00	3.54	3.71	0.40	-9E+99	4.10	12.87	0.74	0.37
Beals & Salt Valley	L804	D0-168-2	D0-168	1247.85	1247.85	20.00	2.00	0.00	1.65	-0.53	1.89	1.53	0.40	-9E+99	0.23	0.72	0.74	0.37
Beals & Salt Valley	PP50	D0-167-2	D0-166-2	1246.31	1244.84	451.00	2.00	0.00	0.00	0.00	3.55	3.71	0.40	-9E+99	4.11	12.92	0.73	0.37
Beals & Salt Valley	PP51	D0-166-2	D0-165-2	1244.84	1243.40	444.00	2.00	0.00	0.00	0.00	3.53	3.71	0.40	-9E+99	4.10	12.88	0.76	0.38
Beals & Salt Valley	PP52	D0-165-2	D0-164-2	1243.40	1242.10	400.00	2.00	0.00	0.00	0.00	3.46	3.71	0.41	-9E+99	4.11	12.90	0.76	0.38
Beals & Salt Valley	PP53	D0-164-2	D0-150-2	1242.10	1241.30	170.00	2.00	0.00	0.00	0.00	3.96	3.71	0.38	-9E+99	4.94	15.52	0.75	0.38
Beals & Salt Valley	PP54	D0-150-2	D0-149-2	1241.30	1239.47	610.00	2.00	0.00	0.00	0.00	3.15	3.71	0.42	-9E+99	3.94	12.39	1.26	0.63
Beals & Salt Valley	PP55	D0-149-2	D0-148-2	1239.47	1239.67	600.00	2.00	0.00	-1.58	-2.44	1.91	3.71	0.54	-9E+99	1.31	4.13	1.06	0.53
Beals & Salt Valley	PP56	D0-148-2	D0-60-2	1239.67	1231.14	440.00	2.00	0.02	0.00	0.00	6.41	3.71	0.28	-9E+99	10.03	31.50	0.62	0.31
Beals & Salt Valley	PP57	D0-60-2	D0-61-2	1231.14	1228.60	400.00	2.00	0.01	0.00	0.00	4.51	3.71	0.35	-9E+99	5.74	18.03	0.63	0.31
Beals & Salt Valley	PP58	D0-61-2	D0-62-2	1228.60	1226.31	383.00	2.00	0.01	0.00	0.00	4.13	3.71	0.37	-9E+99	5.57	17.49	0.92	0.46
Beals & Salt Valley	PP59	D0-62-2	C0-124-2	1226.31	1225.39	517.00	2.00	0.00	0.00	0.00	2.77	3.71	0.46	-9E+99	3.04	9.54	0.92	0.46

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP60	C0-124-2	C0-123-2	1225.39	1222.25	331.00	2.50	0.01	0.00	0.00	4.97	3.71	0.31	-9E+99	8.14	39.95	0.60	0.24
Beals & Salt Valley	PP61	C0-123-2	C0-122-2	1222.25	1220.83	280.00	2.50	0.01	0.00	0.00	4.00	3.71	0.36	-9E+99	5.95	29.21	0.68	0.27
Beals & Salt Valley	PP62	C0-122-2	C0-121-2	1220.83	1219.16	500.00	2.50	0.00	0.00	0.00	3.46	3.71	0.39	-9E+99	4.83	23.70	0.68	0.27
Beals & Salt Valley	PP63	C0-121-2	C0-120-2	1219.16	1217.17	502.00	2.50	0.00	0.00	0.00	3.70	3.71	0.38	-9E+99	5.26	25.82	0.69	0.28
Beals & Salt Valley	PP64	C0-120-2	C0-119-2	1217.17	1216.23	285.00	2.50	0.00	0.00	0.00	3.43	3.71	0.39	-9E+99	4.80	23.56	0.69	0.28
Beals & Salt Valley	PP65	C0-119-2	C1-564-2	1216.23	1215.20	205.21	2.50	0.01	0.00	0.00	4.00	3.71	0.36	-9E+99	5.92	29.06	0.62	0.25
Beals & Salt Valley	PP66	C1-564-2	C1-565-2	1215.20	1212.34	329.97	2.00	0.01	0.00	0.00	4.00	3.71	0.35	-9E+99	6.70	21.06	1.78	0.89
Beals & Salt Valley	PP67	C1-565-2	C1-12-2	1212.34	1211.57	319.83	2.00	0.00	0.00	0.00	4.49	13.01	0.61	-9E+99	3.53	11.10	1.78	0.89
Beals & Salt Valley	L758	C1-565-2	C1-565	1212.34	1212.34	20.00	1.50	0.00	-1.08	-1.43	-1.08	-4.31	0.46	-9E+99	0.19	0.33	1.81	1.21
Beals & Salt Valley	PP68	C1-12-2	C1-13-2	1211.57	1209.51	451.39	2.00	0.00	0.00	0.00	5.43	13.01	0.60	-9E+99	4.86	15.28	1.46	0.73
Beals & Salt Valley	PP69	C1-13-2	C1-14-2	1209.51	1207.47	465.23	2.00	0.00	0.00	0.00	5.23	13.01	0.60	-9E+99	4.77	14.98	1.62	0.81
Beals & Salt Valley	PP70	C1-14-2	C1-15-2	1207.47	1205.85	458.00	2.00	0.00	0.00	0.00	4.76	13.01	0.61	-9E+99	4.28	13.45	1.74	0.87
Beals & Salt Valley	PP71	C1-15-2	C1-16-2	1205.85	1204.52	445.70	2.00	0.00	0.00	0.00	4.50	13.01	0.61	-9E+99	3.93	12.36	1.74	0.87
Beals & Salt Valley	PP72	C1-16-2	C1-17-2	1204.52	1203.21	431.67	2.00	0.00	0.00	0.00	4.59	13.01	0.61	-9E+99	3.97	12.46	1.70	0.85
Beals & Salt Valley	PP73	C1-17-2	C1-19-2	1203.21	1202.22	322.50	2.00	0.00	0.00	0.00	4.52	12.29	0.61	-9E+99	3.99	12.53	1.64	0.82
Beals & Salt Valley	L760	C1-17-2	C1-17	1203.21	1203.21	20.00	1.75	0.00	-0.37	-0.09	1.49	1.71	0.53	-9E+99	0.21	0.50	1.62	0.92
Beals & Salt Valley	PP74	C1-19-2	C1-36-2	1202.22	1200.92	438.25	2.00	0.00	0.00	0.00	4.49	12.29	0.61	-9E+99	3.92	12.32	1.64	0.82
Beals & Salt Valley	PP75	C1-36-2	C1-37-2	1200.92	1199.57	435.56	2.00	0.00	0.00	0.00	4.54	12.28	0.61	-9E+99	4.01	12.59	1.74	0.87
Beals & Salt Valley	PP76	C1-37-2	C1-38-2	1199.57	1198.22	451.79	2.00	0.00	0.00	0.00	4.49	12.28	0.61	-9E+99	3.94	12.37	1.90	0.95
Beals & Salt Valley	PP77	C1-38-2	C1-39-2	1198.22	1196.87	446.88	2.00	0.00	0.00	0.00	4.50	12.28	0.61	-9E+99	3.96	12.43	2.03	1.02
Beals & Salt Valley	PP78	C1-39-2	C1-40-2	1196.87	1195.51	459.78	2.00	0.00	0.00	0.00	4.46	12.28	0.61	-9E+99	3.92	12.30	2.07	1.03
Beals & Salt Valley	PP79	C1-40-2	C1-41-2	1195.51	1194.57	307.66	2.00	0.00	0.00	0.00	4.46	12.28	0.61	-9E+99	3.98	12.50	2.14	1.07
Beals & Salt Valley	PP80	C1-41-2	C1-42-2	1194.57	1194.16	137.00	2.00	0.00	0.00	0.00	4.34	12.29	0.61	-9E+99	3.94	12.38	2.17	1.08
Beals & Salt Valley	PP81	C1-42-2	C1-43-2	1194.16	1192.58	525.00	2.00	0.00	0.00	0.00	4.47	13.01	0.61	-9E+99	3.95	12.41	2.17	1.08
Beals & Salt Valley	PP82	C1-43-2	C1-44-2	1192.58	1191.11	488.99	2.00	0.00	0.00	0.00	4.46	13.38	0.61	-9E+99	3.95	12.40	2.17	1.08
Beals & Salt Valley	PP83	C1-44-2	C1-92-2	1191.11	1189.86	417.40	2.00	0.00	0.00	0.00	4.50	13.74	0.61	-9E+99	3.94	12.38	2.09	1.04
Beals & Salt Valley	L761	C1-44-2	C1-44	1191.11	1191.11	20.00	1.75	0.00	-0.09	-0.12	-0.09	-0.85	0.53	-9E+99	0.21	0.50	2.09	1.19
Beals & Salt Valley	PP84	C1-92-2	C1-99-2	1189.86	1188.38	494.61	2.00	0.00	0.00	0.00	4.56	13.74	0.61	-9E+99	3.94	12.37	1.86	0.93
Beals & Salt Valley	PP85	C1-99-2	C1-101-2	1188.38	1186.49	540.00	2.00	0.00	0.00	0.00	4.79	13.74	0.61	-9E+99	4.26	13.38	1.76	0.88
Beals & Salt Valley	PP86	C1-101-2	C1-186-2	1186.49	1185.42	358.00	2.00	0.00	0.00	0.00	4.76	13.74	0.61	-9E+99	3.94	12.37	1.76	0.88
Beals & Salt Valley	PP87	C1-186-2	C1-188-2	1185.42	1183.70	490.00	2.25	0.00	0.00	0.00	5.00	13.74	0.65	-9E+99	4.61	18.35	1.53	0.68
Beals & Salt Valley	PP88	C1-188-2	C1-190-2	1183.70	1182.31	413.00	2.25	0.00	0.00	0.00	4.96	13.74	0.65	-9E+99	4.52	17.97	1.53	0.68
Beals & Salt Valley	PP89	C1-190-2	C1-191-2	1182.31	1181.11	102.00	2.25	0.01	0.00	0.00	7.62	13.74	0.53	-9E+99	8.45	33.59	1.18	0.52
Beals & Salt Valley	PP90	C1-191-2	C1-193-2	1181.11	1179.64	189.00	2.25	0.01	0.00	0.00	6.31	13.74	0.59	-9E+99	6.87	27.31	1.48	0.66
Beals & Salt Valley	PP91	C1-193-2	C1-195-2	1179.64	1177.91	509.00	2.25	0.00	0.00	0.00	4.96	13.74	0.65	-9E+99	4.54	18.06	1.52	0.68
Beals & Salt Valley	PP92	C1-195-2	C1-197-2	1177.91	1176.21	500.00	2.25	0.00	0.00	0.00	4.93	13.74	0.65	-9E+99	4.54	18.06	1.52	0.68
Beals & Salt Valley	PP93	C1-197-2	C1-569-2	1176.21	1174.60	217.68	2.25	0.01	0.00	0.00	6.51	13.74	0.58	-9E+99	6.70	26.63	1.31	0.58
Beals & Salt Valley	PP94	C1-569-2	C1-569	1174.60	1174.16	38.98	2.25	0.01	0.00	0.00	5.53	13.74	0.62	-9E+99	8.28	32.90	1.71	0.76
Beals & Salt Valley	PP95	C1-569	B1-239	1174.16	1173.67	256.00	2.25	0.00	0.00	0.00	4.06	13.08	0.68	-9E+99	3.41	13.55	1.71	0.76
Beals & Salt Valley	PP96	C1-569	C1-570	1174.16	1173.83	113.19	2.25	0.00	0.00	0.00	5.01	16.12	0.68	-9E+99	4.21	16.72	1.71	0.76
Beals & Salt Valley	PP97	B1-239	B1-272	1173.67	1173.42	188.00	2.50	0.00	-0.30	-0.10	3.94	13.08	0.72	-9E+99	3.05	14.96	1.63	0.65
Beals & Salt Valley	PP98	C0-226	C0-227	1213.57	1210.07	312.30	1.75	0.01	0.00	0.00	5.78	4.45	0.34	-9E+99	6.97	16.77	0.70	0.40
Beals & Salt Valley	PP99	C0-227	C0-228	1210.07	1207.74	337.60	1.75	0.01	0.00	0.00	4.86	4.45	0.38	-9E+99	5.47	13.16	0.79	0.45
Beals & Salt Valley	PP100	C0-228	C0-229	1207.74	1206.23	327.30	1.75	0.00	0.00	0.00	4.12	4.45	0.41	-9E+99	4.47	10.76	0.99	0.56
Beals & Salt Valley	PP101	C0-229	C0-511	1206.23	1205.91	180.00	1.75	0.00	0.00	0.00	3.30	4.45	0.46	-9E+99	2.78	6.68	0.99	0.56
Beals & Salt Valley	PP102	C0-511	C0-230	1205.91	1204.29	242.00	1.75	0.01	0.00	0.00	4.80	4.45	0.38	-9E+99	5.39	12.96	0.79	0.45
Beals & Salt Valley	PP103	C0-230	C0-223	1204.29	1202.30	432.30	1.75	0.00	0.00	0.00	4.00	4.45	0.42	-9E+99	4.47	10.75	1.18	0.68
Beals & Salt Valley	PP104	C0-223	C0-222	1202.30	1201.96	274.00	1.75	0.00	0.00	0.00	2.58	4.45	0.51	-9E+99	2.32	5.58	1.19	0.68
Beals & Salt Valley	PP105	C0-222	C0-221	1201.96	1201.44	429.00	1.75	0.00	0.00	0.00	2.57	4.45	0.51	-9E+99	2.29	5.52	1.19	0.68

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP106	C0-221	C0-220	1201.44	1201.00	357.00	1.75	0.00	0.00	0.00	2.63	4.45	0.51	-9E+99	2.31	5.56	1.17	0.67
Beals & Salt Valley	PP107	C0-220	C0-96	1201.00	1200.63	335.00	1.75	0.00	0.00	0.00	2.91	4.45	0.48	-9E+99	2.19	5.27	1.12	0.64
Beals & Salt Valley	PP108	C0-96	C0-97	1200.63	1193.93	375.00	1.75	0.02	0.00	0.00	6.49	4.45	0.32	-9E+99	8.81	21.18	0.82	0.47
Beals & Salt Valley	PP109	C0-97	C0-44	1193.93	1192.88	244.00	1.75	0.00	0.00	0.00	4.07	4.45	0.42	-9E+99	4.32	10.39	0.82	0.47
Beals & Salt Valley	PP110	C0-44	C0-43	1192.88	1191.97	102.00	1.75	0.01	0.00	0.00	4.43	4.45	0.39	-9E+99	6.22	14.97	1.24	0.71
Beals & Salt Valley	PP111	C0-43	C0-67	1191.97	1191.92	120.00	1.75	0.00	0.00	0.00	2.47	4.45	0.52	-9E+99	1.34	3.23	1.24	0.71
Beals & Salt Valley	PP112	C0-67	C1-539	1191.92	1192.10	188.00	2.00	0.00	-1.65	-1.73	2.56	4.45	0.52	-9E+99	2.23	7.00	0.95	0.48
Beals & Salt Valley	PP113	C1-539	C1-446	1192.10	1189.84	276.00	2.00	0.01	0.00	0.00	5.06	4.45	0.36	-9E+99	6.52	20.47	0.77	0.38
Beals & Salt Valley	PP114	C1-446	C1-445	1189.84	1188.00	460.00	2.00	0.00	0.00	0.00	4.02	4.45	0.41	-9E+99	4.55	14.31	0.77	0.38
Beals & Salt Valley	PP115	C1-445	C1-461	1188.00	1186.20	451.00	2.00	0.00	0.00	0.00	4.01	4.45	0.41	-9E+99	4.55	14.29	0.77	0.38
Beals & Salt Valley	PP116	C1-461	C1-444	1186.20	1184.50	425.00	2.00	0.00	0.00	0.00	3.99	4.45	0.42	-9E+99	4.55	14.31	0.81	0.40
Beals & Salt Valley	PP117	C1-444	C1-482	1184.50	1184.14	110.00	2.00	0.00	0.00	0.00	3.81	4.45	0.43	-9E+99	4.12	12.94	0.81	0.40
Beals & Salt Valley	PP118	C1-482	C1-412	1184.14	1182.84	227.00	2.00	0.01	0.00	0.00	4.21	4.45	0.40	-9E+99	5.45	17.12	1.09	0.55
Beals & Salt Valley	PP119	C1-412	C1-402	1182.84	1182.50	335.00	2.00	0.00	0.00	0.00	2.58	4.45	0.52	-9E+99	2.29	7.21	1.09	0.55
Beals & Salt Valley	PP120	C1-402	C1-396	1182.50	1181.49	507.50	2.00	0.00	0.00	0.00	2.89	4.45	0.49	-9E+99	3.21	10.09	1.19	0.60
Beals & Salt Valley	PP121	C1-396	C1-391	1181.49	1181.03	573.32	2.00	0.00	0.00	0.00	2.30	4.45	0.55	-9E+99	2.04	6.41	1.19	0.60
Beals & Salt Valley	PP122	C1-391	C1-382	1181.03	1180.29	575.00	2.00	0.00	0.00	0.00	2.70	4.45	0.51	-9E+99	2.58	8.12	1.08	0.54
Beals & Salt Valley	PP123	C1-382	C1-561	1180.29	1178.07	300.00	2.00	0.01	0.00	0.00	4.19	4.45	0.39	-9E+99	6.19	19.46	1.62	0.81
Beals & Salt Valley	PP124	C1-561	C1-545	1178.07	1178.67	23.00	1.50	-0.03	-0.22	-0.39	2.08	-1.18	0.42	-9E+99	9.60	16.97	1.62	1.08
Beals & Salt Valley	PP125	C1-561	C1-562	1178.07	1176.11	623.00	1.50	0.00	0.00	0.00	3.77	6.58	0.45	-9E+99	3.33	5.89	1.62	1.08
Beals & Salt Valley	PP126	C1-545	C1-544	1178.67	1178.10	243.00	1.50	0.00	0.00	0.00	3.21	4.09	0.44	-9E+99	2.88	5.09	1.02	0.68
Beals & Salt Valley	PP127	C1-544	C1-543	1178.10	1177.80	159.00	1.50	0.00	0.00	0.00	3.35	4.09	0.43	-9E+99	2.58	4.56	1.01	0.67
Beals & Salt Valley	PP128	C1-543	C1-542	1177.80	1176.80	145.00	1.50	0.01	0.00	0.00	4.82	4.09	0.37	-9E+99	4.94	8.72	0.74	0.50
Beals & Salt Valley	PP129	C1-542	B1-79	1176.80	1176.11	108.96	1.50	0.01	0.00	0.00	4.70	4.09	0.37	-9E+99	4.73	8.36	0.74	0.50
Beals & Salt Valley	PP130	B1-79	B1-80	1176.11	1173.10	395.00	1.50	0.01	0.00	0.00	4.39	4.09	0.36	-9E+99	5.19	9.17	1.75	1.17
Beals & Salt Valley	PP131	B1-80	B1-292	1173.10	1173.00	28.00	2.50	0.00	0.00	0.00	6.71	24.59	0.74	-9E+99	4.99	24.51	1.75	0.70
Beals & Salt Valley	PP132	C1-570	B1-291	1173.73	1172.97	257.00	2.25	0.00	0.00	0.00	4.88	16.12	0.68	-9E+99	4.24	16.84	1.76	0.78
Beals & Salt Valley	PP133	B1-291	B1-292	1172.87	1172.36	178.00	2.25	0.00	0.00	0.00	4.71	16.12	0.68	-9E+99	4.17	16.58	1.89	0.84
Beals & Salt Valley	PP134	B1-292	B1-82	1172.26	1171.62	526.00	2.50	0.00	0.00	0.00	3.93	15.99	0.75	-9E+99	2.91	14.31	1.99	0.80
Beals & Salt Valley	PP135	B1-292	B1-293	1172.26	1172.08	53.00	2.50	0.00	0.00	0.00	5.92	24.73	0.76	-9E+99	4.87	23.90	1.99	0.80
Beals & Salt Valley	PP136	B1-82	B1-84	1171.62	1169.41	600.00	2.50	0.00	0.00	0.00	5.37	15.99	0.68	-9E+99	5.07	24.89	1.46	0.59
Beals & Salt Valley	PP137	B1-84	B1-86	1169.41	1167.11	600.00	2.50	0.00	0.00	0.00	5.46	15.99	0.68	-9E+99	5.17	25.40	1.44	0.58
Beals & Salt Valley	PP138	B1-86	B1-89	1167.11	1164.84	588.00	2.50	0.00	0.00	0.00	5.44	15.99	0.68	-9E+99	5.19	25.49	1.51	0.61
Beals & Salt Valley	PP140	B1-89	B1-91	1164.84	1162.83	500.00	2.50	0.00	0.00	0.00	5.62	17.25	0.69	-9E+99	5.30	26.01	1.51	0.61
Beals & Salt Valley	PP141	B1-91	B1-241	1162.83	1162.42	63.00	2.50	0.01	0.00	0.00	6.10	17.27	0.67	-9E+99	6.74	33.09	1.55	0.62
Beals & Salt Valley	PP142	B1-241	B1-93	1162.42	1161.71	226.00	2.50	0.00	0.00	0.00	5.75	17.26	0.69	-9E+99	4.68	22.99	1.55	0.62
Beals & Salt Valley	PP143	B1-93	B1-95	1161.71	1160.61	106.00	2.50	0.01	0.00	0.00	6.79	13.21	0.55	-9E+99	8.51	41.78	1.29	0.52
Beals & Salt Valley	L773	B1-93	B1-298	1161.71	1161.13	33.00	2.00	0.02	0.00	0.00	7.01	7.07	0.52	-9E+99	9.55	29.99	1.66	0.83
Beals & Salt Valley	PP144	B1-95	B1-262	1160.61	1159.26	350.00	2.50	0.00	0.00	0.00	5.10	13.21	0.64	-9E+99	5.19	25.47	1.43	0.57
Beals & Salt Valley	PP145	B1-262	B2-17	1159.26	1157.65	575.90	2.50	0.00	0.00	0.00	4.60	13.21	0.67	-9E+99	4.42	21.69	1.43	0.57
Beals & Salt Valley	PP146	B2-17	B2-20	1157.65	1155.60	525.00	2.50	0.00	0.00	0.00	5.15	13.86	0.65	-9E+99	5.22	25.63	1.57	0.63
Beals & Salt Valley	PP147	B2-20	B2-298	1155.60	1155.26	150.00	2.50	0.00	0.00	0.00	4.32	13.99	0.71	-9E+99	3.98	19.53	1.57	0.63
Beals & Salt Valley	PP148	B2-298	B2-37	1155.26	1154.92	147.00	2.50	0.00	0.00	0.00	4.40	14.25	0.71	-9E+99	4.02	19.73	1.57	0.63
Beals & Salt Valley	PP149	B2-37	B2-35	1154.92	1154.36	228.48	2.50	0.00	0.00	0.00	4.50	14.48	0.71	-9E+99	4.14	20.31	1.56	0.62
Beals & Salt Valley	PP150	B2-35	B2-34	1154.36	1154.12	104.00	2.50	0.00	0.00	0.00	4.52	14.48	0.71	-9E+99	4.01	19.70	1.56	0.62
Beals & Salt Valley	PP151	B2-34	B2-33	1154.12	1153.26	327.00	2.50	0.00	0.00	0.00	4.62	14.48	0.70	-9E+99	4.29	21.03	1.53	0.61
Beals & Salt Valley	PP152	B2-33	B2-217	1153.26	1152.50	213.80	2.50	0.00	0.00	0.00	4.53	14.48	0.70	-9E+99	4.98	24.46	1.83	0.73
Beals & Salt Valley	PP153	B2-367	B2-217	1152.82	1152.50	400.00	2.00	0.00	0.01	0.01	0.06	0.11	0.61	-9E+99	2.04	6.40	1.83	0.92
Beals & Salt Valley	PP154	B2-217	B2-32	1152.50	1152.34	185.10	2.50	0.00	0.00	0.00	3.80	14.47	0.75	-9E+99	2.46	12.06	1.83	0.73

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP155	B2-32	B2-31	1152.34	1151.42	401.00	2.50	0.00	0.00	0.00	4.24	14.47	0.72	-9E+99	4.00	19.65	1.73	0.69
Beals & Salt Valley	PP156	B2-31	B2-108	1151.42	1150.28	620.00	3.00	0.00	0.00	0.00	3.39	14.47	0.82	-9E+99	4.05	28.60	2.29	0.76
Beals & Salt Valley	PP157	B2-108	B2-361	1150.28	1149.91	270.00	3.00	0.00	0.00	0.00	2.47	14.46	0.91	-9E+99	3.49	24.69	2.53	0.84
Beals & Salt Valley	PP158	B2-361	B2-107	1149.91	1149.53	338.80	3.00	0.00	0.00	0.00	2.25	14.45	0.91	-9E+99	3.16	22.34	2.77	0.93
Beals & Salt Valley	PP159	B2-107	B2-106	1149.53	1148.77	608.00	3.00	0.00	0.00	0.00	2.10	14.45	0.90	-9E+99	3.34	23.58	3.28	1.09
Beals & Salt Valley	PP160	B2-106	B2-105	1148.77	1150.06	514.50	3.00	0.00	-0.78	-4.17	2.06	14.45	0.88	-9E+99	4.72	33.40	2.99	1.00
Beals & Salt Valley	PP161	B2-105	B2-345	1150.06	1149.71	465.00	3.00	0.00	0.00	0.00	3.68	14.45	0.78	-9E+99	2.59	18.30	1.70	0.57
Beals & Salt Valley	PP162	B2-345	B2-104	1149.71	1147.26	239.40	3.00	0.01	0.00	0.00	6.56	14.45	0.57	-9E+99	9.55	67.47	1.75	0.58
Beals & Salt Valley	PP163	B2-104	B2-103	1147.26	1146.51	603.30	3.00	0.00	0.00	0.00	3.35	14.45	0.82	-9E+99	3.33	23.52	1.85	0.62
Beals & Salt Valley	PP164	B2-103	B2-350	1146.51	1146.13	259.50	3.00	0.00	-0.11	-0.06	3.13	14.45	0.85	-9E+99	3.61	25.52	2.01	0.67
Beals & Salt Valley	PP165	B2-350	B2-102	1146.13	1145.76	601.00	3.00	0.00	0.00	0.00	3.09	15.36	0.87	-9E+99	2.34	16.55	2.01	0.67
Beals & Salt Valley	PP166	B2-102	B2-101	1145.76	1144.96	628.00	3.00	0.00	0.00	0.00	3.52	15.36	0.83	-9E+99	3.37	23.81	1.81	0.60
Beals & Salt Valley	PP167	B2-101	B3-472	1144.96	1144.20	609.30	3.00	0.00	0.00	0.00	3.42	15.35	0.84	-9E+99	3.33	23.56	1.89	0.63
Beals & Salt Valley	PP168	B3-472	B3-473	1144.20	1143.69	350.00	3.00	0.00	0.00	0.00	3.53	16.70	0.85	-9E+99	3.60	25.46	2.01	0.67
Beals & Salt Valley	PP169	B3-473	B3-627	1143.69	1143.51	18.00	3.00	0.01	-0.24	-0.41	4.04	16.70	0.88	-9E+99	9.44	66.70	2.20	0.73
Beals & Salt Valley	PP170	B3-627	B3-476	1143.51	1143.50	392.00	3.00	0.00	0.00	0.00	3.07	16.70	0.89	-9E+99	0.48	3.37	2.20	0.73
Beals & Salt Valley	PP171	B3-476	B3-478	1143.50	1142.99	392.00	3.00	0.00	0.00	0.00	3.82	16.70	0.83	-9E+99	3.40	24.06	1.79	0.60
Beals & Salt Valley	PP172	B3-478	B3-480	1142.99	1142.25	405.00	3.00	0.00	0.00	0.00	4.05	16.70	0.81	-9E+99	4.03	28.51	1.78	0.59
Beals & Salt Valley	PP173	B3-480	B3-513	1142.25	1141.50	551.20	3.00	0.00	0.00	0.00	3.89	16.70	0.82	-9E+99	3.48	24.60	1.78	0.59
Beals & Salt Valley	PP174	B3-513	B3-486	1141.50	1140.06	667.00	3.00	0.00	0.00	0.00	4.44	16.69	0.77	-9E+99	4.38	30.99	1.61	0.54
Beals & Salt Valley	PP175	B3-486	B3-667	1140.06	1136.04	28.36	2.00	0.14	0.00	0.00	6.24	16.69	0.60	-9E+99	27.11	85.17	5.61	2.81
Beals & Salt Valley	PP176	B3-466	B3-465	1144.71	1144.17	443.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.08	3.67	0.00	0.00
Beals & Salt Valley	PP177	B3-466	B3-668	1144.71	1144.55	56.24	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.17	5.60	0.00	0.00
Beals & Salt Valley	PP178	B3-465	B3-464	1144.17	1143.71	430.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.94	3.44	0.00	0.00
Beals & Salt Valley	PP179	B3-464	B3-463	1143.71	1143.24	430.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.97	3.47	0.00	0.00
Beals & Salt Valley	PP180	B3-463	B3-462	1143.24	1142.76	430.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.99	3.51	0.00	0.00
Beals & Salt Valley	PP181	B3-462	B3-461	1142.76	1143.34	405.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.25	3.98	0.00	0.00
Beals & Salt Valley	PP182	B3-461	B3-641	1143.34	1142.57	315.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.94	5.19	0.00	0.00
Beals & Salt Valley	PP183	B3-641	B3-640	1142.57	1142.31	105.84	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.95	5.21	0.00	0.00
Beals & Salt Valley	PP184	B3-640	B4-690	1142.31	1141.98	128.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.02	5.33	0.00	0.00
Beals & Salt Valley	PP185	B4-690	B4-57	1141.98	1141.40	242.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.91	5.14	0.00	0.00
Beals & Salt Valley	PP186	B4-57	B4-636	1141.40	1140.82	230.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.99	5.27	0.00	0.00
Beals & Salt Valley	PP187	B4-636	B4-69	1140.82	1140.84	171.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.64	1.14	0.00	0.00
Beals & Salt Valley	PP188	B4-69	B4-594	1140.84	1140.15	199.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.50	6.19	0.00	0.00
Beals & Salt Valley	PP189	B4-594	B4-183	1140.15	1140.25	630.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.75	1.32	0.00	0.00
Beals & Salt Valley	PP190	B4-594	B4-736	1140.15	1130.69	54.50	1.50	0.17	0.00	0.00	0.00	0.00	0.05	-9E+99	24.77	43.76	5.11	0.00
Beals & Salt Valley	PP191	B4-183	B4-605	1140.25	1140.25	167.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.19	0.33	0.00	0.00
Beals & Salt Valley	PP192	B4-605	B4-738	1140.25	1129.96	45.00	1.50	0.23	0.00	0.00	0.00	0.00	0.05	-9E+99	28.42	50.23	5.12	0.00
Beals & Salt Valley	PP194	B1-8	B1-7	1158.49	1143.50	236.00	5.00	0.06	0.00	0.00	11.99	29.14	0.54	-9E+99	33.43	656.38	3.00	0.60
Beals & Salt Valley	PP195	B1-7	B1-6	1143.50	1142.67	569.00	5.00	0.00	0.00	0.00	4.81	40.44	1.40	-9E+99	5.07	99.47	3.61	0.72
Beals & Salt Valley	PP196	B1-6	B1-5	1142.57	1141.81	569.00	5.00	0.00	0.00	0.00	4.88	41.59	1.50	-9E+99	4.85	95.18	4.33	0.87
Beals & Salt Valley	PP197	B1-5	B1-4	1141.51	1141.11	215.00	5.00	0.00	0.00	0.00	5.33	42.49	1.52	-9E+99	5.72	112.34	4.99	1.00
Beals & Salt Valley	PP198	B1-4	B1-3	1140.81	1139.80	748.00	5.00	0.00	0.00	0.00	4.61	43.21	1.51	-9E+99	4.87	95.70	6.14	1.23
Beals & Salt Valley	PP199	B1-3	B1-2	1139.70	1138.69	754.00	5.00	0.00	0.00	0.00	4.52	43.90	1.65	-9E+99	4.85	95.32	7.07	1.41
Beals & Salt Valley	PP200	B1-2	B1-1	1138.59	1137.58	754.00	5.00	0.00	0.00	0.00	4.37	44.22	1.85	-9E+99	4.85	95.32	8.01	1.60
Beals & Salt Valley	L762	B1-1	B1-310	1137.48	1136.59	260.00	5.00	0.00	0.00	0.00	4.66	44.26	1.67	-9E+99	7.21	141.49	8.93	1.79
Beals & Salt Valley	PP202	B1-293	B1-294	1171.98	1168.88	845.00	2.50	0.00	0.00	0.00	5.78	24.73	0.76	-9E+99	5.06	24.84	2.05	0.82
Beals & Salt Valley	PP203	B1-294	B1-295	1168.78	1165.68	817.00	2.50	0.00	0.00	0.00	5.82	24.73	0.76	-9E+99	5.15	25.27	2.08	0.83
Beals & Salt Valley	PP204	B1-295	B1-296	1165.68	1163.44	613.00	2.50	0.00	0.00	0.00	5.82	25.01	0.76	-9E+99	5.05	24.79	2.08	0.83

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP205	B1-296	B1-298	1163.34	1160.13	590.00	2.50	0.01	0.00	0.00	6.49	25.02	0.74	-9E+99	6.16	30.25	2.66	1.06
Beals & Salt Valley	PP206	B1-298	B1-299	1160.03	1159.69	106.00	2.50	0.00	0.00	0.00	6.59	31.52	0.76	-9E+99	4.73	23.23	2.76	1.10
Beals & Salt Valley	PP207	B1-299	B1-300	1159.59	1158.13	285.00	2.50	0.01	0.00	0.00	6.88	31.47	0.76	-9E+99	5.98	29.36	2.84	1.14
Beals & Salt Valley	PP208	B1-300	B1-301	1158.03	1155.23	557.00	2.50	0.01	0.00	0.00	6.78	31.33	0.76	-9E+99	5.92	29.08	3.13	1.25
Beals & Salt Valley	PP209	B1-301	B1-302	1155.13	1152.24	574.00	2.50	0.01	0.00	0.00	6.77	31.07	0.76	-9E+99	5.93	29.10	3.30	1.32
Beals & Salt Valley	PP210	B1-302	B1-303	1152.14	1149.25	574.00	2.50	0.01	0.00	0.00	6.65	30.78	0.76	-9E+99	5.93	29.10	3.48	1.39
Beals & Salt Valley	PP211	B1-303	B1-305	1149.15	1148.68	162.00	2.50	0.00	0.00	0.00	6.38	30.77	0.76	-9E+99	4.50	22.09	3.58	1.43
Beals & Salt Valley	PP212	B1-305	B1-306	1148.58	1146.71	631.00	3.00	0.00	0.00	0.00	5.76	30.70	0.90	-9E+99	5.14	36.31	4.10	1.37
Beals & Salt Valley	PP213	B1-306	B1-307	1146.61	1143.12	1160.00	3.00	0.00	0.00	0.00	5.75	30.53	0.90	-9E+99	5.18	36.58	5.50	1.83
Beals & Salt Valley	PP214	B1-307	B1-308	1143.02	1142.61	141.00	3.00	0.00	0.00	0.00	5.68	30.37	0.91	-9E+99	5.09	35.97	5.74	1.91
Beals & Salt Valley	PP215	B1S-5	B1S-94	1180.83	1176.57	614.00	1.50	0.01	0.00	0.00	4.51	3.12	0.33	-9E+99	4.95	8.75	0.64	0.43
Beals & Salt Valley	PP216	B1S-94	B1S-56	1176.57	1172.90	603.00	1.50	0.01	0.00	0.00	4.20	3.12	0.34	-9E+99	4.64	8.19	0.78	0.52
Beals & Salt Valley	PP217	B1S-56	B1S-57	1172.90	1171.55	434.00	1.50	0.00	0.00	0.00	3.36	3.12	0.38	-9E+99	3.32	5.86	0.78	0.52
Beals & Salt Valley	PP218	B1S-57	B1S-58	1171.55	1170.69	275.00	1.50	0.00	0.00	0.00	3.37	3.12	0.38	-9E+99	3.32	5.87	0.78	0.52
Beals & Salt Valley	PP219	B1S-58	B1S-59	1170.69	1170.48	69.00	1.50	0.00	0.00	0.00	3.39	3.12	0.38	-9E+99	3.28	5.80	0.78	0.52
Beals & Salt Valley	PP220	B1S-6	B1S-59	1171.98	1170.48	411.00	1.50	0.00	0.00	0.00	0.00	0.00	0.04	-9E+99	3.59	6.35	0.76	0.00
Beals & Salt Valley	PP221	B1S-59	B1S-9	1170.48	1170.13	96.00	1.50	0.00	0.00	0.00	3.47	3.12	0.38	-9E+99	3.59	6.34	0.80	0.53
Beals & Salt Valley	PP222	B1S-9	B1S-10	1170.13	1169.14	342.00	1.50	0.00	0.00	0.00	3.27	3.12	0.39	-9E+99	3.20	5.65	0.80	0.54
Beals & Salt Valley	PP223	B1S-10	B1S-11	1169.14	1167.95	361.00	1.50	0.00	0.00	0.00	3.33	3.12	0.38	-9E+99	3.41	6.03	0.80	0.54
Beals & Salt Valley	PP224	B1S-11	B1S-12	1167.95	1165.07	317.00	1.50	0.01	0.00	0.00	4.66	3.12	0.34	-9E+99	5.67	10.01	2.46	1.64
UNK	PP225	B1S-96	B1S-95	1187.31	1185.54	100.00	1.50	0.02	0.00	0.00	7.73	7.29	0.39	-9E+99	7.91	13.98	0.92	0.61
UNK	PP226	B1S-95	B2S-41	1185.54	1179.30	520.00	1.50	0.01	0.00	0.00	6.45	7.29	0.42	-9E+99	6.51	11.51	2.41	1.60
Beals & Salt Valley	PP227	B2S-41	B2S-42	1179.30	1177.98	425.00	1.50	0.00	0.00	0.00	4.09	7.29	0.46	-9E+99	3.31	5.85	2.41	1.60
Beals & Salt Valley	PP228	B2S-42	B2S-43	1177.98	1176.86	360.00	1.50	0.00	0.00	0.00	4.01	7.29	0.45	-9E+99	3.32	5.86	1.71	1.14
Beals & Salt Valley	PP229	B2S-43	B2S-44	1176.86	1174.68	360.00	1.50	0.01	0.00	0.00	5.10	7.29	0.45	-9E+99	4.63	8.17	1.66	1.10
Beals & Salt Valley	PP230	B2S-44	B2S-45	1174.68	1171.12	341.00	1.50	0.01	0.00	0.00	5.79	7.29	0.45	-9E+99	6.07	10.73	3.65	2.43
Beals & Salt Valley	PP231	B2S-45	B2S-37	1171.12	1171.12	341.00	1.50	0.00	0.00	0.00	4.09	7.29	0.45	-9E+99	0.19	0.33	3.65	2.43
Beals & Salt Valley	PP232	B2S-37	B2S-38	1171.12	1170.62	418.00	4.00	0.00	0.00	0.00	3.98	25.43	1.01	-9E+99	3.95	49.68	2.03	0.51
Beals & Salt Valley	PP233	B2S-38	B2S-39	1170.62	1170.14	400.00	4.00	0.00	0.00	0.00	3.98	25.43	1.01	-9E+99	3.96	49.76	2.03	0.51
Beals & Salt Valley	PP234	B2S-39	B2S-40	1170.14	1169.42	600.00	4.00	0.00	0.00	0.00	3.98	25.43	1.01	-9E+99	3.96	49.76	2.03	0.51
Beals & Salt Valley	PP235	B2S-40	B1S-72	1169.42	1168.70	600.00	4.00	0.00	0.00	0.00	3.99	25.43	1.01	-9E+99	3.96	49.76	2.03	0.51
Beals & Salt Valley	PP236	B1S-72	B1S-73	1168.70	1167.97	600.00	4.00	0.00	0.00	0.00	4.00	25.43	1.00	-9E+99	3.99	50.10	2.02	0.51
Beals & Salt Valley	PP237	B1S-73	B1S-74	1167.97	1167.30	548.00	4.00	0.00	0.00	0.00	4.01	25.43	1.00	-9E+99	4.00	50.23	2.02	0.50
Beals & Salt Valley	PP238	B1S-74	B1S-75	1167.30	1166.57	602.00	4.00	0.00	0.00	0.00	4.02	25.43	1.00	-9E+99	3.98	50.02	2.01	0.50
Beals & Salt Valley	PP239	B1S-75	B1S-76	1166.57	1165.89	561.00	4.00	0.00	0.00	0.00	4.13	25.43	0.99	-9E+99	3.98	50.01	1.98	0.50
Beals & Salt Valley	PP240	B1S-76	B1S-12	1165.89	1165.07	239.00	4.00	0.00	0.00	0.00	4.33	25.43	0.96	-9E+99	6.70	84.14	2.46	0.62
Beals & Salt Valley	PP241	B1S-12	B1S-13	1165.07	1164.76	424.00	4.00	0.00	0.00	0.00	3.53	28.54	1.12	-9E+99	3.09	38.84	2.46	0.62
Beals & Salt Valley	PP242	B1S-13	B1S-14	1164.76	1164.33	352.00	4.00	0.00	0.00	0.00	3.58	28.54	1.12	-9E+99	4.00	50.21	2.57	0.64
Beals & Salt Valley	PP243	B1S-14	B1S-15	1164.33	1164.06	509.00	4.00	0.00	0.00	0.00	3.37	28.54	1.14	-9E+99	2.63	33.08	2.57	0.64
Beals & Salt Valley	PP244	B1S-15	B1S-16	1164.06	1163.73	448.00	4.00	0.00	0.00	0.00	3.57	28.54	1.12	-9E+99	3.10	38.99	2.44	0.61
Beals & Salt Valley	PP245	B1S-16	B1S-17	1163.73	1163.18	483.00	4.00	0.00	0.00	0.00	3.65	28.54	1.11	-9E+99	3.86	48.47	2.51	0.63
Beals & Salt Valley	PP246	B1S-17	B1S-18	1163.18	1162.90	226.00	4.00	0.00	0.00	0.00	3.41	28.54	1.14	-9E+99	4.02	50.56	2.64	0.66
Beals & Salt Valley	PP247	B1S-18	B1S-19	1162.90	1162.68	392.00	4.00	0.00	0.00	0.00	3.25	28.54	1.16	-9E+99	2.71	34.03	2.64	0.66
Beals & Salt Valley	PP248	B1S-19	B1S-20	1162.68	1162.57	437.00	4.00	0.00	0.00	0.00	3.35	28.54	1.14	-9E+99	1.81	22.79	2.59	0.65
Beals & Salt Valley	PP249	B1S-20	B1S-21	1162.57	1162.27	118.00	4.00	0.00	0.00	0.00	3.72	28.62	1.10	-9E+99	5.76	72.43	2.56	0.64
Beals & Salt Valley	PP250	B1S-21	B0-208	1162.27	1162.06	316.00	4.00	0.00	0.00	0.00	3.38	28.62	1.14	-9E+99	2.95	37.03	2.56	0.64
Beals & Salt Valley	PP251	B0-208	B0-209	1162.06	1161.19	483.00	4.00	0.00	0.00	0.00	3.33	28.62	1.15	-9E+99	4.85	60.96	3.13	0.78
Beals & Salt Valley	PP252	B0-209	B0-210	1161.19	1161.45	594.00	4.00	0.00	-2.56	-23.87	2.76	28.62	1.28	-9E+99	2.39	30.05	2.87	0.72
Beals & Salt Valley	PP253	B0-210	B0-211	1161.45	1161.20	521.00	4.00	0.00	0.00	0.00	3.38	28.62	1.14	-9E+99	2.50	31.47	2.57	0.64

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP254	B0-211	B0-212	1161.20	1160.59	544.00	4.00	0.00	0.00	0.00	3.61	28.62	1.11	-9E+99	3.83	48.10	2.57	0.64
Beals & Salt Valley	PP255	B0-212	B0-213	1160.59	1160.11	605.00	4.00	0.00	0.00	0.00	3.35	28.62	1.15	-9E+99	3.22	40.46	2.62	0.65
Beals & Salt Valley	PP256	B0-213	B0-214	1160.11	1159.78	655.00	4.00	0.00	0.00	0.00	3.31	28.62	1.16	-9E+99	2.57	32.24	2.62	0.65
Beals & Salt Valley	PP257	B0-214	B0-215	1159.78	1159.55	152.00	4.00	0.00	-0.20	-0.07	3.52	28.62	1.12	-9E+99	4.45	55.88	2.58	0.64
Beals & Salt Valley	PP258	B0-215	B0-216	1159.55	1159.40	565.00	4.00	0.00	0.00	0.00	3.47	29.14	1.14	-9E+99	1.86	23.40	2.58	0.64
Beals & Salt Valley	PP259	B0-216	B0-217	1159.40	1158.96	413.00	4.00	0.00	0.00	0.00	4.19	29.14	1.05	-9E+99	3.73	46.89	2.18	0.55
Beals & Salt Valley	L745	B0-217	B1-8	1158.96	1158.49	583.00	4.00	0.00	0.00	0.00	4.89	29.14	0.95	-9E+99	3.25	40.78	2.04	0.51
Beals & Salt Valley	PP261	B0-218	B0-151	1158.49	1158.27	30.00	2.00	0.01	0.00	0.00	3.97	2.40	0.40	-9E+99	6.17	19.37	0.94	0.47
Beals & Salt Valley	PP262	B0-151	B1-168	1158.27	1158.08	428.00	2.00	0.00	0.00	0.00	1.68	2.40	0.48	-9E+99	1.52	4.77	0.94	0.47
Beals & Salt Valley	PP263	B1-168	B1-167	1158.08	1157.75	417.00	2.00	0.00	0.00	0.00	1.89	2.40	0.45	-9E+99	2.03	6.36	0.85	0.43
Beals & Salt Valley	PP264	B1-167	B1-166	1157.75	1157.42	413.00	2.00	0.00	0.00	0.00	1.89	2.40	0.45	-9E+99	2.04	6.39	0.85	0.43
Beals & Salt Valley	PP265	B1-166	B1-165	1157.42	1157.08	418.00	2.00	0.00	0.00	0.00	1.89	2.40	0.45	-9E+99	2.05	6.45	0.85	0.43
Beals & Salt Valley	PP266	B1-165	B1-164	1157.08	1156.75	418.00	2.00	0.00	0.00	0.00	1.88	2.40	0.45	-9E+99	2.02	6.36	0.85	0.43
Beals & Salt Valley	PP267	B1-164	B1-163	1156.75	1156.42	418.00	2.00	0.00	0.00	0.00	1.88	2.40	0.45	-9E+99	2.02	6.36	0.85	0.43
Beals & Salt Valley	PP268	B1-163	B1-162	1156.42	1156.09	415.00	2.00	0.00	0.00	0.00	1.89	2.40	0.45	-9E+99	2.03	6.38	0.85	0.43
Beals & Salt Valley	PP269	B1-162	B1-161	1156.09	1155.76	410.00	2.00	0.00	0.00	0.00	1.90	2.40	0.45	-9E+99	2.04	6.42	0.85	0.42
Beals & Salt Valley	PP270	B1-161	B1-160	1155.76	1155.42	418.00	2.00	0.00	0.00	0.00	1.90	2.40	0.45	-9E+99	2.05	6.45	0.85	0.42
Beals & Salt Valley	PP271	B1-160	B1-159	1155.42	1155.09	418.00	2.00	0.00	0.00	0.00	1.91	2.40	0.45	-9E+99	2.02	6.36	0.85	0.42
Beals & Salt Valley	PP272	B1-159	B1-158	1155.09	1154.75	419.00	2.00	0.00	0.00	0.00	2.09	2.40	0.42	-9E+99	2.05	6.44	0.82	0.41
Beals & Salt Valley	PP273	B1-158	B1-308	1154.75	1154.00	88.00	2.00	0.01	0.00	0.00	4.42	2.40	0.27	-9E+99	6.65	20.88	0.46	0.23
Beals & Salt Valley	PP274	B1-308	B1-309	1142.51	1140.43	575.00	3.00	0.00	0.00	0.00	5.87	32.75	0.90	-9E+99	5.68	40.12	6.67	2.22
Beals & Salt Valley	L747	B1-309	B1-310	1140.33	1138.19	725.73	3.00	0.00	0.00	0.00	4.90	32.74	0.90	-9E+99	5.12	36.22	7.33	2.44
Beals & Salt Valley	PP277	B1-310	B1-311	1136.55	1135.76	239.00	5.00	0.00	0.00	0.00	4.48	71.31	1.51	-9E+99	7.63	149.74	9.58	1.92
Beals & Salt Valley	PP278	B1-311	B1-289	1135.76	1135.46	233.75	5.00	0.00	0.00	0.00	3.61	71.31	1.52	-9E+99	4.75	93.30	9.71	1.94
Beals & Salt Valley	PP279	B1-289	B1-290	1135.46	1135.25	709.00	5.00	0.00	0.00	0.00	3.61	71.31	1.52	-9E+99	2.28	44.82	9.71	1.94
Beals & Salt Valley	PP280	B1-290	B2-397	1135.25	1135.01	738.00	5.00	0.00	0.00	0.00	3.61	71.31	1.52	-9E+99	2.39	46.97	9.39	1.88
Beals & Salt Valley	PP281	B2-397	B2-398	1135.01	1134.84	700.00	5.00	0.00	0.00	0.00	3.61	71.31	1.52	-9E+99	2.07	40.59	9.08	1.82
Beals & Salt Valley	PP282	B2-398	B2-399	1134.84	1134.64	651.00	5.00	0.00	0.00	0.00	3.62	71.31	1.52	-9E+99	2.32	45.65	8.73	1.75
Beals & Salt Valley	PP283	B2-399	B2-400	1134.64	1134.37	660.00	5.00	0.00	0.00	0.00	3.62	71.31	1.52	-9E+99	2.68	52.68	8.45	1.69
Beals & Salt Valley	PP284	B2-400	B2-401	1134.37	1134.17	717.00	5.00	0.00	0.00	0.00	3.62	71.31	1.52	-9E+99	2.22	43.50	8.23	1.65
Beals & Salt Valley	PP285	B2-401	B2-402	1134.17	1133.86	726.00	5.00	0.00	-0.16	-0.09	3.62	71.31	1.52	-9E+99	2.74	53.82	7.90	1.58
Beals & Salt Valley	PP286	B2-402	B2-403	1133.86	1133.51	1054.00	5.00	0.00	-0.49	-0.62	3.62	71.31	1.52	-9E+99	2.42	47.46	7.66	1.53
Beals & Salt Valley	PP287	B2-403	B3-678	1133.51	1133.29	1051.00	5.00	0.00	0.00	0.00	3.79	74.61	1.52	-9E+99	1.92	37.68	7.23	1.45
Beals & Salt Valley	PP288	B3-678	B3-679	1133.29	1133.24	575.00	5.00	0.00	0.00	0.00	3.78	74.58	1.52	-9E+99	1.24	24.29	6.59	1.32
Beals & Salt Valley	PP289	B3-679	B3-681	1133.24	1133.22	217.00	5.00	0.00	0.00	0.00	3.73	74.53	1.75	-9E+99	1.27	25.00	6.18	1.24
Beals & Salt Valley	PP290	B3-533	B3-532	1160.55	1156.85	375.50	1.50	0.01	0.00	0.00	5.02	3.18	0.31	-9E+99	5.90	10.43	0.70	0.47
Beals & Salt Valley	PP291	B3-532	B3-531	1156.85	1155.05	390.00	1.50	0.00	0.00	0.00	3.91	3.18	0.36	-9E+99	4.04	7.14	0.72	0.48
Beals & Salt Valley	PP292	B3-531	B3-530	1155.05	1154.20	185.42	1.50	0.00	0.00	0.00	3.86	3.18	0.36	-9E+99	4.02	7.11	0.72	0.48
Beals & Salt Valley	PP293	B3-530	B3-529	1154.20	1152.69	238.08	1.50	0.01	0.00	0.00	4.35	3.18	0.34	-9E+99	4.73	8.37	0.70	0.47
Beals & Salt Valley	PP294	B3-529	B3-528	1152.69	1151.55	246.00	1.50	0.00	0.00	0.00	3.84	3.18	0.36	-9E+99	4.05	7.15	0.80	0.54
Beals & Salt Valley	PP295	B3-528	B3-527	1151.55	1149.73	398.84	1.50	0.00	0.00	0.00	3.66	3.18	0.35	-9E+99	4.02	7.10	0.80	0.54
Beals & Salt Valley	PP296	B3-527	B3-526	1149.73	1113.80	24.00	1.50	1.50	0.00	0.00	19.59	3.69	0.09	-9E+99	72.73	128.53	17.42	11.61
Beals & Salt Valley	PP297	B3-526	B3-525	1113.80	1147.23	420.00	1.50	-0.08	0.00	0.00	0.00	0.00	0.04	-9E+99	16.77	29.64	33.43	0.00
Beals & Salt Valley	PP298	B3-525	B3-500	1147.23	1146.25	212.51	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.04	7.13	0.00	0.00
Beals & Salt Valley	PP299	B3-500	B3-541	1146.25	1145.07	452.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.68	11.56	0.00	0.00
Beals & Salt Valley	PP300	B3-541	B3-422	1145.07	1144.47	400.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.79	8.76	0.00	0.00
Beals & Salt Valley	PP301	B3-422	B3-374	1144.47	1143.96	400.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.57	8.08	0.00	0.00
Beals & Salt Valley	PP302	B3-374	B3-316	1143.96	1143.49	249.63	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.12	9.82	0.00	0.00
Beals & Salt Valley	PP303	B3-316	B3-681	1143.49	1133.22	329.27	2.00	0.03	0.00	0.00	0.00	0.00	0.07	-9E+99	12.72	39.95	6.03	0.00

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP304	B3-681	B3-682	1133.22	1132.99	932.00	5.00	0.00	-0.21	-0.10	3.71	74.51	1.80	-9E+99	2.08	40.91	6.03	1.21
Beals & Salt Valley	PP305	B3-682	B3-683	1132.99	1132.85	632.00	5.00	0.00	0.00	0.00	3.93	75.31	1.86	-9E+99	1.97	38.76	5.56	1.11
Beals & Salt Valley	PP306	B3-683	B3-675	1132.85	1132.60	632.00	5.00	0.00	0.00	0.00	4.17	75.29	1.87	-9E+99	2.64	51.80	5.20	1.04
Beals & Salt Valley	PP307	B3-675	B3-676	1132.60	1131.60	1113.00	5.00	0.00	0.00	0.00	4.42	75.28	1.86	-9E+99	3.98	78.07	5.03	1.01
Beals & Salt Valley	PP308	B3-676	B4-736	1131.60	1130.69	1010.00	5.00	0.00	0.00	0.00	4.33	75.28	1.87	-9E+99	3.98	78.18	5.11	1.02
Beals & Salt Valley	PP309	B4-736	B4-738	1130.69	1129.96	816.00	5.00	0.00	0.00	0.00	4.38	77.88	1.87	-9E+99	3.97	77.90	5.12	1.02
Beals & Salt Valley	PP310	B4-738	B4-739	1129.96	1129.22	824.00	5.00	0.00	0.00	0.00	4.30	77.88	1.87	-9E+99	3.97	78.05	5.14	1.03
Beals & Salt Valley	PP311	B4-678	B4-171	1140.20	1139.88	150.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.75	4.85	0.00	0.00
Beals & Salt Valley	PP312	B4-171	B4-243	1139.88	1139.65	400.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.43	2.52	0.00	0.00
Beals & Salt Valley	PP313	B4-243	B4-XX1	1139.65	1139.54	920.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.65	1.15	0.00	0.00
Beals & Salt Valley	PP314	B4-XX1	B4-739	1139.54	1129.22	41.00	1.50	0.25	0.00	0.00	0.00	0.00	0.05	-9E+99	29.82	52.70	5.14	0.00
Beals & Salt Valley	PP315	B4-XX1	B4-XX2	1139.54	1139.51	49.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.47	2.60	0.00	0.00
Beals & Salt Valley	PP316	B4-XX2	B4-257	1139.51	1139.29	178.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.09	3.69	0.00	0.00
Beals & Salt Valley	PP317	B4-257	B4-321	1139.29	1138.91	400.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.83	3.24	0.00	0.00
Beals & Salt Valley	PP318	B4-321	B4-329	1138.91	1138.43	519.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.81	3.19	0.00	0.00
Beals & Salt Valley	PP319	B4-329	B4-13	1138.43	1137.21	1380.50	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.77	3.12	0.00	0.00
Beals & Salt Valley	PP320	B5-479	B5-478	1134.41	1136.56	550.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	5.22	25.65	0.00	0.00
Beals & Salt Valley	PP321	B5-478	B5-477	1136.56	1136.14	175.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.09	20.09	0.00	0.00
Beals & Salt Valley	PP322	B5-477	B5-476	1136.14	1136.90	388.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.70	18.15	0.00	0.00
Beals & Salt Valley	PP323	B5-476	B5-677	1136.90	1136.98	300.77	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.36	6.69	0.00	0.00
Beals & Salt Valley	PP324	B5-677	B5-676	1136.98	1137.05	50.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.13	15.35	0.00	0.00
Beals & Salt Valley	PP325	B5-676	B4-13	1137.05	1137.21	108.50	2.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.21	15.75	0.00	0.00
Beals & Salt Valley	PP326	B4-510	B4-511	1154.63	1153.90	225.00	1.67	0.00	0.00	0.00	3.02	2.53	0.50	-9E+99	3.64	7.97	14.34	8.59
Beals & Salt Valley	PP327	B4-511	B4-693	1153.90	1153.40	322.00	1.67	0.00	0.00	0.00	2.33	1.98	0.50	-9E+99	2.52	5.51	14.81	8.87
Beals & Salt Valley	PP328	B4-693	B4-512	1153.40	1153.08	65.00	1.67	0.00	-0.08	-0.16	3.51	1.99	0.50	-9E+99	4.48	9.81	15.13	9.06
Beals & Salt Valley	PP329	B4-512	B4-513	1153.08	1151.90	240.00	1.67	0.00	0.00	-0.01	3.46	2.02	0.50	-9E+99	4.48	9.81	16.29	9.75
Beals & Salt Valley	PP330	B4-513	B4-473	1151.90	1150.89	324.00	1.67	0.00	-0.07	-0.15	2.85	2.02	0.50	-9E+99	3.57	7.81	17.27	10.34
Beals & Salt Valley	PP331	B4-473	B4-474	1150.89	1150.84	76.00	1.67	0.00	-0.05	-0.12	1.16	1.75	0.51	-9E+99	1.64	3.59	17.31	10.37
Beals & Salt Valley	PP332	B4-474	B4-503	1150.84	1179.30	404.00	1.67	-0.07	0.00	0.00	0.00	0.00	0.05	-9E+99	16.95	37.12	28.46	0.00
Beals & Salt Valley	PP333	B4-503	B4-640	1179.30	1142.04	457.00	1.75	0.08	0.00	0.00	0.00	0.00	0.00	-9E+99	18.81	45.24	0.00	0.00
Beals & Salt Valley	PP334	B4-640	B4-641	1142.04	1141.98	21.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.85	12.09	0.00	0.00
Beals & Salt Valley	PP335	B4-641	B4-639	1141.98	1139.63	360.00	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.82	18.28	0.00	0.00
Beals & Salt Valley	PP336	B4-639	B4-696	1139.63	1139.85	168.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.61	8.19	0.00	0.00
Beals & Salt Valley	PP337	B4-696	B4-638	1139.85	1138.43	209.00	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.94	18.65	0.00	0.00
Beals & Salt Valley	PP338	B4-638	B4-637	1138.43	1137.48	297.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.07	12.79	0.00	0.00
Beals & Salt Valley	PP339	B4-637	B4-658	1137.48	1136.75	258.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.83	12.03	0.00	0.00
Beals & Salt Valley	PP340	B4-658	B4-14	1136.75	1136.58	50.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.20	13.19	0.00	0.00
Beals & Salt Valley	PP341	B4-14	B4-13	1136.58	1137.21	54.00	2.00	-0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	7.78	24.43	0.00	0.00
Beals & Salt Valley	PP342	B4-13	B4-710	1137.21	1133.66	381.00	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	6.95	21.84	0.00	0.00
Beals & Salt Valley	PP343	B4-710	B4-18	1133.66	1135.31	62.00	4.00	-0.03	0.00	0.00	0.00	0.00	0.00	-9E+99	18.65	234.33	0.00	0.00
Beals & Salt Valley	PP344	B4-20	B4-19	1139.23	1139.01	82.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.41	8.21	0.00	0.00
Beals & Salt Valley	PP345	B4-19	B4-18	1139.01	1135.31	45.00	1.75	0.08	0.00	0.00	0.00	0.00	0.00	-9E+99	18.89	45.43	-1.44	0.00
Beals & Salt Valley	PP346	B3-490	B3-493	1139.47	1138.70	671.53	3.50	0.00	0.00	0.00	2.98	16.69	0.94	-9E+99	3.54	34.07	2.26	0.65
Beals & Salt Valley	PP347	B3-493	B3-496	1138.70	1138.86	532.47	3.50	0.00	-1.79	-6.87	2.65	16.96	0.99	-9E+99	1.81	17.44	2.10	0.60
Beals & Salt Valley	PP348	B3-496	B3-498	1138.86	1138.37	525.00	3.50	0.00	0.00	0.00	3.58	16.96	0.87	-9E+99	3.19	30.74	1.76	0.50
Beals & Salt Valley	PP349	B3-498	B4-60	1138.37	1136.96	518.00	3.50	0.00	0.00	0.00	4.13	16.96	0.80	-9E+99	5.46	52.49	2.18	0.62
Beals & Salt Valley	PP350	B4-60	B4-717	1136.96	1136.85	586.00	3.67	0.00	0.00	0.00	2.63	16.96	1.00	-9E+99	1.48	15.64	2.18	0.59
UNK	PP351	B4-717	B4-108	1136.85	1136.53	186.55	3.67	0.00	0.00	0.00	2.98	16.95	0.95	-9E+99	4.47	47.29	2.14	0.58
Beals & Salt Valley	PP352	B4-108	B4-718	1136.53	1136.38	384.00	3.67	0.00	-0.59	-0.40	2.66	16.95	1.00	-9E+99	2.13	22.57	2.14	0.58

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
UNK	PP353	B4-718	B4-179	1136.38	1136.22	186.00	3.67	0.00	-0.81	-0.79	2.76	16.95	0.99	-9E+99	3.17	33.49	2.12	0.58
Beals & Salt Valley	PP354	A4-172	B4-178	1140.38	1139.32	420.00	1.50	0.00	0.00	0.00	2.96	2.90	0.39	-9E+99	2.99	5.28	0.84	0.56
Beals & Salt Valley	PP355	B4-178	B4-179	1139.32	1136.22	425.00	1.50	0.01	0.00	0.00	4.42	2.90	0.33	-9E+99	5.08	8.97	2.12	1.41
Beals & Salt Valley	PP356	B4-179	B4-181	1136.22	1136.09	236.00	3.67	0.00	0.00	0.00	3.23	20.37	1.00	-9E+99	2.53	26.80	2.12	0.58
Beals & Salt Valley	PP357	B4-181	B4-609	1136.09	1135.47	166.00	3.67	0.00	0.00	0.00	3.26	20.37	0.99	-9E+99	6.60	69.78	2.61	0.71
Beals & Salt Valley	PP358	B4-609	B4-173	1135.47	1135.80	227.00	3.67	0.00	-1.94	-10.73	2.58	20.37	1.08	-9E+99	4.12	43.53	2.49	0.68
Beals & Salt Valley	PP359	B4-173	B4-719	1135.80	1135.55	559.00	3.67	0.00	0.00	0.00	3.19	20.37	1.00	-9E+99	2.28	24.15	2.16	0.59
UNK	PP360	B4-719	B4-253	1135.55	1135.43	155.00	3.67	0.00	0.00	0.00	3.71	20.39	0.93	-9E+99	3.00	31.77	1.90	0.52
Beals & Salt Valley	PP361	B4-253	B4-254	1135.43	1134.63	65.00	3.67	0.01	0.00	0.00	3.71	20.46	0.93	-9E+99	11.97	126.66	2.73	0.74
Beals & Salt Valley	PP362	B4-254	B4-323	1134.63	1135.09	400.00	3.67	0.00	-1.83	-11.00	2.49	20.38	1.09	-9E+99	3.66	38.72	2.53	0.69
Beals & Salt Valley	PP363	B4-323	B4-326	1135.09	1134.80	410.00	3.67	0.00	0.00	0.00	3.33	20.36	0.98	-9E+99	2.87	30.37	2.07	0.56
Beals & Salt Valley	PP364	B4-326	B4-390	1134.80	1134.39	587.00	3.67	0.00	0.00	0.00	3.62	20.36	0.94	-9E+99	2.85	30.17	1.97	0.54
Beals & Salt Valley	PP365	B4-390	B4-395	1134.39	1133.06	551.00	3.67	0.00	0.00	0.00	4.87	20.36	0.81	-9E+99	5.30	56.09	1.54	0.42
Beals & Salt Valley	PP366	B4-395	B4-742	1133.06	1133.40	107.00	3.67	0.00	-4.32	-11.21	5.42	20.36	0.75	-9E+99	6.08	64.36	1.15	0.31
Beals & Salt Valley	PP367	B4-742	B4-397	1133.40	1133.80	130.00	3.67	0.00	-0.13	0.03	0.42	0.13	0.35	-9E+99	5.99	63.33	0.60	0.16
Beals & Salt Valley	L772	B4-742	B4-743	1133.40	1127.02	33.00	3.00	0.19	0.00	0.00	12.52	20.23	0.40	-9E+99	41.49	293.27	5.67	1.89
Beals & Salt Valley	PP368	B4-397	B4-22	1133.80	1133.56	340.00	3.67	0.00	-0.09	-0.03	0.50	0.13	0.19	-9E+99	2.87	30.33	0.36	0.10
Beals & Salt Valley	PP369	B4-22	B4-18	1133.56	1133.56	62.00	3.67	0.00	0.00	0.00	1.02	0.54	0.23	-9E+99	0.34	3.61	0.36	0.10
Beals & Salt Valley	PP370	B4-18	B4-589	1133.56	1133.38	168.00	3.67	0.00	0.00	0.00	1.23	0.54	0.20	-9E+99	3.53	37.37	0.33	0.09
Beals & Salt Valley	PP371	B4-589	B4-492	1133.38	1133.33	65.00	3.67	0.00	0.00	0.00	1.13	0.54	0.21	-9E+99	2.99	31.67	0.33	0.09
Beals & Salt Valley	PP372	B4-492	B5-57	1133.33	1132.86	603.00	3.67	0.00	0.00	0.00	1.13	0.54	0.21	-9E+99	3.01	31.88	0.33	0.09
Beals & Salt Valley	PP373	B5-57	B5-121	1132.86	1132.52	444.00	4.00	0.00	0.00	0.00	1.11	0.54	0.21	-9E+99	3.16	39.75	0.33	0.08
Beals & Salt Valley	PP374	B5-121	B5-122	1132.52	1132.18	427.00	4.00	0.00	0.00	0.00	1.12	0.54	0.21	-9E+99	3.23	40.53	0.33	0.08
Beals & Salt Valley	PP375	B5-512	B5-49	1139.92	1139.70	190.00	1.67	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.17	4.76	0.00	0.00
Beals & Salt Valley	PP376	B5-49	B5-554	1139.70	1139.32	266.00	1.67	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.41	5.29	0.00	0.00
Beals & Salt Valley	PP377	B5-554	B5-61	1139.32	1139.32	256.00	1.67	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.20	0.44	0.00	0.00
Beals & Salt Valley	PP378	B5-61	B5-62	1139.32	1136.42	60.00	1.67	0.05	0.00	0.00	0.00	0.00	0.00	-9E+99	14.04	30.75	0.00	0.00
Beals & Salt Valley	PP379	B5-62	B5-503	1136.42	1136.83	225.00	1.67	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.73	5.97	0.00	0.00
Beals & Salt Valley	PP380	B5-503	B5-480	1136.83	1136.83	285.00	1.25	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.17	0.20	0.00	0.00
Beals & Salt Valley	PP381	B5-480	B5-535	1136.83	1135.63	221.00	1.25	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	3.88	4.76	0.00	0.00
Beals & Salt Valley	PP382	B5-535	B5-122	1135.63	1132.18	353.00	1.75	0.01	0.00	0.00	0.00	0.00	0.02	-9E+99	6.51	15.66	0.28	0.00
Beals & Salt Valley	PP383	B5-122	B5-X40	1132.18	1131.40	582.00	4.00	0.00	0.00	0.00	1.32	0.54	0.19	-9E+99	4.18	52.59	0.34	0.08
Beals & Salt Valley	PP384	B5-X40	B5-160	1131.40	1130.93	670.00	4.00	0.00	0.00	0.00	1.04	0.54	0.22	-9E+99	3.03	38.04	0.39	0.10
Beals & Salt Valley	PP385	B5-160	B5-601	1130.93	1130.53	153.00	4.00	0.00	0.00	0.00	2.21	1.36	0.26	-9E+99	5.84	73.45	0.58	0.15
Beals & Salt Valley	PP386	B5-601	B5-548	1130.53	1131.20	102.00	4.00	-0.01	0.00	0.00	0.00	0.00	0.05	-9E+99	9.26	116.42	0.67	0.00
Beals & Salt Valley	PP387	B5-601	B5-602	1130.53	1125.80	445.00	3.50	0.01	0.00	0.00	2.99	1.97	0.41	-9E+99	10.78	103.73	5.33	1.52
Beals & Salt Valley	PP388	B5-548	B5-274	1131.20	1130.68	413.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.06	50.97	0.00	0.00
Beals & Salt Valley	PP389	B5-274	B5-596	1130.68	1130.38	71.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	7.43	93.37	0.00	0.00
Beals & Salt Valley	PP390	B5-596	B5-597	1130.38	1130.18	363.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.68	33.72	0.00	0.00
Beals & Salt Valley	PP391	B5-597	B5-275	1130.18	1129.94	442.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.66	33.47	0.00	0.00
Beals & Salt Valley	PP392	B5-275	B5-327	1129.94	1129.90	667.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.89	11.12	0.00	0.00
Beals & Salt Valley	PP393	B5-327	B5-565	1129.90	1129.84	73.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.28	41.18	0.00	0.00
Beals & Salt Valley	PP394	B5-565	B5-329	1129.84	1129.74	169.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.78	34.94	0.00	0.00
Beals & Salt Valley	PP395	B5-329	B5-328	1129.74	1129.70	71.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.71	34.09	0.00	0.00
Beals & Salt Valley	PP396	B5-328	B5-362	1129.70	1129.49	362.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.75	34.60	0.00	0.00
Beals & Salt Valley	PP397	B5-362	B5-361	1129.49	1129.14	125.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	6.05	76.01	0.00	0.00
Beals & Salt Valley	PP398	B5-361	B6-357	1129.14	1128.62	673.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.18	39.93	0.00	0.00
Beals & Salt Valley	PP399	B6-357	B6-30	1128.62	1128.09	644.00	4.00	0.00	0.00	0.00	0.00	0.00	0.03	-9E+99	3.28	41.21	0.32	0.00
Beals & Salt Valley	PP400	B6-30	B6-31	1128.09	1127.59	643.00	4.00	0.00	0.00	0.00	1.12	0.54	0.21	-9E+99	3.19	40.06	0.33	0.08

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP401	B6-31	B6-32	1127.59	1127.09	629.00	4.00	0.00	0.00	0.00	1.12	0.53	0.23	-9E+99	3.22	40.50	0.57	0.14
Beals & Salt Valley	PP402	B6-32	B6-243	1127.09	1126.84	331.00	4.00	0.00	0.00	0.00	1.09	0.53	0.37	-9E+99	3.14	39.48	0.80	0.20
Beals & Salt Valley	PP403	B6-243	B6-33	1126.84	1126.63	275.00	4.00	0.00	0.00	0.00	1.11	0.60	0.49	-9E+99	3.16	39.69	1.01	0.25
Beals & Salt Valley	PP404	B6-33	B6-371	1126.63	1125.85	577.50	4.00	0.00	0.00	0.00	1.11	0.74	0.62	-9E+99	4.20	52.79	1.79	0.45
Beals & Salt Valley	PP405	B5-639	B6-392	1129.70	1128.56	570.55	3.00	0.00	0.00	0.00	3.81	10.16	0.65	-9E+99	4.22	29.81	1.21	0.40
Beals & Salt Valley	PP406	B6-392	B6-394	1128.56	1128.38	89.00	3.00	0.00	0.00	0.00	3.88	10.16	0.64	-9E+99	4.24	30.00	1.19	0.40
Beals & Salt Valley	PP407	B6-394	B6-395	1128.38	1128.01	181.00	3.00	0.00	0.00	0.00	4.11	10.36	0.63	-9E+99	4.27	30.16	1.18	0.39
Beals & Salt Valley	PP408	B6-395	B6-34	1128.01	1125.84	449.00	3.00	0.00	0.00	0.00	4.70	10.36	0.57	-9E+99	6.56	46.37	1.83	0.61
Beals & Salt Valley	PP409	B6-34	B6-371	1125.84	1125.85	72.50	3.00	0.00	-1.86	-5.62	2.86	10.34	0.84	-9E+99	1.11	7.83	1.82	0.61
Beals & Salt Valley	PP410	B6-371	B6-72	1125.85	1125.48	481.33	4.50	0.00	0.00	0.00	2.60	10.72	0.97	-9E+99	3.43	54.52	2.06	0.46
Beals & Salt Valley	PP411	B6-72	B6-373	1125.48	1123.00	500.00	4.50	0.00	0.00	0.00	2.69	10.67	1.07	-9E+99	8.71	138.49	4.54	1.01
Beals & Salt Valley	PP412	B4-741	B4-743	1128.29	1127.02	1146.00	5.00	0.00	0.00	0.00	3.90	77.92	1.72	-9E+99	4.42	86.70	5.67	1.13
Beals & Salt Valley	PP413	B4-743	B5-614	1127.02	1126.74	945.00	6.50	0.00	0.00	0.00	3.44	105.06	2.77	-9E+99	2.72	90.25	5.67	0.87
Beals & Salt Valley	PP414	B5-614	B5-616	1126.74	1126.61	380.00	6.50	0.00	0.00	0.00	3.47	105.03	2.77	-9E+99	2.92	96.97	5.60	0.86
Beals & Salt Valley	PP415	B5-616	B5-617	1126.61	1126.41	757.00	6.50	0.00	0.00	0.00	3.55	107.15	2.77	-9E+99	2.57	85.22	5.58	0.86
Beals & Salt Valley	PP416	B5-617	B5-618	1126.41	1126.10	820.00	6.50	0.00	0.00	0.00	3.60	107.13	2.76	-9E+99	3.07	101.94	5.48	0.84
Beals & Salt Valley	PP417	B5-618	B5-619	1126.10	1125.93	538.00	6.50	0.00	0.00	0.00	3.60	107.11	2.76	-9E+99	2.81	93.20	5.46	0.84
Beals & Salt Valley	PP418	B5-619	B5-602	1125.93	1125.80	520.00	6.50	0.00	-0.28	-0.11	3.63	107.10	2.76	-9E+99	2.50	82.90	5.42	0.83
Beals & Salt Valley	PP419	B5-602	B5-603	1125.80	1125.54	851.00	6.50	0.00	0.00	0.00	3.74	108.43	2.75	-9E+99	2.76	91.64	5.33	0.82
Beals & Salt Valley	PP420	B5-603	B5-604	1125.54	1125.13	783.00	6.50	0.00	0.00	0.00	3.80	108.42	2.73	-9E+99	3.62	119.97	5.28	0.81
Beals & Salt Valley	PP421	B5-604	B5-605	1125.13	1124.87	765.00	6.50	0.00	0.00	0.00	3.76	108.40	2.75	-9E+99	2.91	96.65	5.28	0.81
Beals & Salt Valley	PP422	B5-605	B6-384	1124.87	1124.73	626.00	6.50	0.00	0.00	0.00	3.82	108.40	2.73	-9E+99	2.36	78.40	5.20	0.80
Beals & Salt Valley	PP423	B6-384	B6-385	1124.73	1124.54	800.00	6.50	0.00	0.00	0.00	3.95	108.39	2.70	-9E+99	2.43	80.80	5.04	0.78
Beals & Salt Valley	PP424	B6-385	B6-386	1124.54	1124.34	850.00	6.50	0.00	0.00	0.00	4.14	108.39	2.64	-9E+99	2.42	80.42	4.82	0.74
Beals & Salt Valley	PP425	B6-386	B6-387	1124.34	1124.07	571.00	6.50	0.00	0.00	0.00	4.45	108.39	2.54	-9E+99	3.44	114.01	4.51	0.69
Beals & Salt Valley	PP426	B6-387	B6-388	1124.07	1123.86	428.00	6.50	0.00	0.00	0.00	4.63	108.39	2.48	-9E+99	3.50	116.13	4.41	0.68
Beals & Salt Valley	PP427	B6-388	B6-389	1123.86	1123.61	710.00	6.50	0.00	0.00	0.00	4.94	108.40	2.41	-9E+99	2.96	98.38	4.32	0.66
Beals & Salt Valley	PP428	B6-389	B6-373	1123.61	1123.00	140.00	6.00	0.00	-0.23	-0.38	7.17	108.42	2.11	-9E+99	9.89	279.55	4.54	0.76
Beals & Salt Valley	1726.1	B6-373	N751	1123.00	1110.10	95.56	4.00	0.13	-0.47	-5.46	8.73	87.36	1.20	-9E+99	42.00	527.77	17.11	4.28
Beals & Salt Valley	1726.2	B6-373	N751	1123.00	1110.10	95.56	2.50	0.13	-0.65	-3.28	6.05	25.04	0.74	-9E+99	30.70	150.70	17.11	6.85
Beals & Salt Valley	1726.3	B6-373	N751	1123.00	1110.10	95.56	2.00	0.13	-2.51	-8.00	5.12	13.85	0.57	-9E+99	26.46	83.12	17.11	8.56
Beals & Salt Valley	PP430	B6-374	B6-375	1123.00	1121.08	334.00	6.50	0.01	-4.08	-30.00	6.74	118.78	1.99	-9E+99	11.98	397.50	5.16	0.79
Beals & Salt Valley	PP431	B6-375	B6-376	1121.08	1120.95	703.00	6.50	0.00	-2.14	-14.48	4.23	118.78	2.74	-9E+99	2.15	71.29	5.16	0.79
Beals & Salt Valley	PP432	B6-376	B6-377	1120.95	1120.47	1022.00	6.50	0.00	-2.60	-26.14	4.48	118.78	2.69	-9E+99	3.42	113.62	4.87	0.75
Beals & Salt Valley	PP433	B6-377	B6-378	1120.47	1120.23	878.00	6.50	0.00	-3.69	-44.58	4.71	118.77	2.63	-9E+99	2.61	86.68	4.67	0.72
Beals & Salt Valley	PP434	B6-378	B6-91	1120.23	1120.20	317.00	6.50	0.00	5.05	-61.50	5.30	118.77	2.48	-9E+99	1.54	51.00	4.19	0.65
Beals & Salt Valley	PP435	B6-91	WWTP	1120.20	1119.99	470.00	6.50	0.00	-4.88	-77.32	5.93	118.77	2.31	-9E+99	3.34	110.82	3.84	0.59
Beals & Salt Valley	PP436	B6-271	B6-270	1136.14	1135.43	339.50	3.00	0.00	0.00	0.00	3.97	11.07	0.66	-9E+99	4.32	30.50	1.25	0.42
Beals & Salt Valley	PP437	B6-270	B6-269	1135.43	1134.55	419.50	3.00	0.00	0.00	0.00	3.97	11.07	0.66	-9E+99	4.32	30.55	1.26	0.42
Beals & Salt Valley	PP438	B6-269	B6-268	1134.55	1133.64	437.00	3.00	0.00	0.00	0.00	3.93	11.07	0.67	-9E+99	4.31	30.44	1.29	0.43
Beals & Salt Valley	PP439	B6-268	B6-267	1133.64	1133.00	305.00	3.00	0.00	0.00	0.00	3.76	11.07	0.68	-9E+99	4.32	30.55	1.41	0.47
Beals & Salt Valley	PP440	B6-267	B6-266	1133.00	1132.51	417.00	3.00	0.00	0.00	0.00	3.51	11.07	0.70	-9E+99	3.23	22.86	1.41	0.47
Beals & Salt Valley	PP441	B6-266	B6-265	1132.51	1130.44	220.00	3.00	0.01	0.00	0.00	4.76	11.75	0.58	-9E+99	9.15	64.70	3.02	1.01
Beals & Salt Valley	PP442	B6-326	B6-325	1133.49	1133.03	515.00	4.50	0.00	-0.03	-0.03	2.79	24.50	1.21	-9E+99	3.70	58.77	2.65	0.59
Beals & Salt Valley	PP443	B6-325	B6-324	1133.03	1133.01	515.00	4.50	0.00	-0.79	-0.69	2.55	24.50	1.30	-9E+99	0.77	12.25	2.65	0.59
Beals & Salt Valley	PP444	B6-324	B6-323	1133.01	1132.57	513.80	4.50	0.00	-0.75	-1.35	2.78	24.50	1.22	-9E+99	3.62	57.55	2.69	0.60
Beals & Salt Valley	PP445	B6-331	B6-330	1138.47	1137.96	428.80	1.50	0.00	0.00	0.00	2.99	5.30	0.46	-9E+99	2.05	3.62	2.55	1.70
Beals & Salt Valley	PP446	B6-330	B6-328	1137.96	1137.34	424.50	1.50	0.00	0.00	0.00	2.99	5.30	0.46	-9E+99	2.27	4.01	1.97	1.32
Beals & Salt Valley	PP447	B6-328	B6-327	1137.34	1136.82	358.00	1.50	0.00	0.00	0.00	3.14	5.30	0.45	-9E+99	2.27	4.00	1.54	1.03

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP448	B6-327	B6-323	1136.82	1132.57	359.00	1.50	0.01	0.00	0.00	5.50	5.30	0.39	-9E+99	6.47	11.43	2.69	1.79
Beals & Salt Valley	PP449	B6-323	B6-322	1132.57	1132.11	561.70	4.50	0.00	0.00	0.00	3.37	33.47	1.31	-9E+99	3.54	56.28	2.80	0.62
Beals & Salt Valley	PP450	B6-322	B6-321	1132.11	1132.04	344.00	4.50	0.00	0.00	0.00	3.25	33.47	1.35	-9E+99	1.76	28.05	2.80	0.62
Beals & Salt Valley	PP451	B6-321	B6-320	1132.04	1131.91	75.80	4.50	0.00	0.00	0.00	3.44	33.47	1.29	-9E+99	5.12	81.44	2.73	0.61
Beals & Salt Valley	PP452	B6-320	B6-319	1131.91	1131.78	362.00	4.50	0.00	0.00	0.00	3.34	33.47	1.32	-9E+99	2.34	37.27	2.73	0.61
Beals & Salt Valley	PP453	B6-319	B6-318	1131.78	1131.67	75.80	4.50	0.00	0.00	0.00	3.49	33.47	1.27	-9E+99	4.71	74.91	2.67	0.59
Beals & Salt Valley	PP454	B6-318	B6-278	1131.67	1131.39	541.00	4.50	0.00	0.00	0.00	3.42	33.47	1.29	-9E+99	2.81	44.74	2.67	0.59
Beals & Salt Valley	PP455	B6-278	B6-279	1131.39	1131.14	446.00	4.50	0.00	-0.44	-0.29	3.62	33.47	1.23	-9E+99	2.93	46.56	2.56	0.57
Beals & Salt Valley	PP456	B6-279	B6-280	1131.14	1130.58	122.00	4.50	0.00	-0.82	-1.30	3.96	33.47	1.19	-9E+99	8.38	133.23	2.98	0.66
Beals & Salt Valley	PP457	B6-280	B6-265	1130.58	1130.44	225.00	4.50	0.00	-1.23	-2.18	3.06	34.07	1.40	-9E+99	3.08	49.05	3.02	0.67
Beals & Salt Valley	PP458	B6-265	B6-281	1130.44	1130.14	491.30	4.50	0.00	0.00	0.00	4.96	55.00	1.38	-9E+99	3.06	48.59	3.02	0.67
Beals & Salt Valley	PP459	B6-281	B6-282	1130.14	1129.73	128.00	4.50	0.00	0.00	0.00	6.15	55.00	1.19	-9E+99	7.00	111.30	2.63	0.58
Beals & Salt Valley	PP460	B6-282	B6-283	1129.73	1129.11	152.60	4.50	0.00	0.00	0.00	5.59	55.00	1.25	-9E+99	7.88	125.35	3.10	0.69
Beals & Salt Valley	PP461	B6-283	B6-284	1129.11	1128.69	426.00	4.50	0.00	0.00	0.00	4.73	55.00	1.42	-9E+99	3.88	61.75	3.10	0.69
Beals & Salt Valley	PP462	B6-284	B6-285	1128.69	1128.39	227.00	4.50	0.00	0.00	0.00	4.94	55.30	1.39	-9E+99	4.49	71.49	2.99	0.67
Beals & Salt Valley	PP463	B6-285	B6-286	1128.39	1127.39	720.00	4.50	0.00	0.00	0.00	4.91	55.30	1.39	-9E+99	4.61	73.29	3.08	0.69
Beals & Salt Valley	PP464	B6-286	B6-287	1127.39	1126.91	456.00	4.50	0.00	0.00	0.00	4.78	55.30	1.42	-9E+99	4.01	63.80	3.08	0.69
Beals & Salt Valley	PP465	B6-287	B6-288	1126.91	1126.35	522.72	4.50	0.00	0.00	0.00	4.99	55.30	1.39	-9E+99	4.05	64.37	2.98	0.66
Beals & Salt Valley	PP466	B6-288	B6-289	1126.35	1125.35	468.41	4.50	0.00	0.00	0.00	5.35	55.30	1.32	-9E+99	5.71	90.86	3.08	0.69
Beals & Salt Valley	PP467	B6-289	B6-293	1125.35	1125.14	472.07	4.50	0.00	0.00	0.00	5.01	56.79	1.41	-9E+99	2.61	41.48	3.08	0.69
Beals & Salt Valley	PP468	B6-293	B6-294	1125.14	1124.09	403.73	4.50	0.00	0.00	0.00	6.51	56.79	1.18	-9E+99	6.31	100.29	2.42	0.54
Beals & Salt Valley	PP469	B6-294	B6-2941	1124.09	1122.50	574.00	4.50	0.00	0.00	0.00	6.60	56.79	1.17	-9E+99	6.51	103.50	2.51	0.56
Beals & Salt Valley	OAK-S1	B6-2941	N1477	1122.50	1107.50	220.51	2.50	0.07	-0.92	-4.32	5.07	22.25	0.75	-9E+99	21.79	106.98	17.13	6.85
Beals & Salt Valley	OAK-S2	B6-2941	N1477	1122.50	1107.50	220.51	2.00	0.07	-1.81	-5.48	3.89	12.29	0.60	-9E+99	18.78	59.00	17.13	8.56
Beals & Salt Valley	OAK-S3	B6-2941	N1477	1122.50	1107.50	220.51	2.50	0.07	-0.92	-4.32	5.07	22.25	0.75	-9E+99	21.79	106.98	17.13	6.85
Beals & Salt Valley	PP471	B6-2942	B6-296	1121.50	1120.62	114.44	4.50	0.01	-4.79	-36.55	6.69	56.79	1.29	-9E+99	10.84	172.44	3.13	0.70
Beals & Salt Valley	PP472	B6-296	WWTP	1120.62	1119.99	447.00	4.50	0.00	-3.39	-40.56	4.78	56.79	1.51	-9E+99	4.64	73.83	3.25	0.72
Little Salt	PP473	C6-432	B6-117	1131.05	1130.80	448.50	2.50	0.00	0.00	0.00	1.69	2.69	0.49	-9E+99	1.97	9.68	0.90	0.36
Beals & Salt Valley	PP474	B6-117	B6-110	1130.80	1130.55	444.50	2.50	0.00	0.00	0.00	1.70	2.69	0.49	-9E+99	1.98	9.73	0.90	0.36
Beals & Salt Valley	PP475	B6-110	B6-106	1130.55	1130.29	463.71	2.50	0.00	0.00	0.00	1.71	2.69	0.49	-9E+99	1.98	9.71	0.89	0.36
Beals & Salt Valley	PP476	B6-106	B6-102	1130.29	1130.04	442.70	2.50	0.00	-0.17	-0.05	1.76	2.69	0.48	-9E+99	1.99	9.75	0.88	0.35
Beals & Salt Valley	PP477	B6-102	B6-103	1130.04	1129.96	126.30	2.50	0.00	-0.82	-0.27	1.91	2.69	0.46	-9E+99	2.10	10.32	0.82	0.33
Beals & Salt Valley	PP478	B6-103	B6-98	1129.96	1129.89	139.60	2.50	0.00	0.00	0.00	2.82	3.56	0.43	-9E+99	1.87	9.18	0.80	0.32
Beals & Salt Valley	PP479	B6-98	B6-100	1129.89	1123.00	240.40	2.50	0.03	0.00	0.00	4.17	3.56	0.29	-9E+99	14.15	69.44	2.03	0.81
Beals & Salt Valley	PP480	B5-485	B6-343	1127.72	1127.28	362.72	3.50	0.00	0.00	0.00	4.41	44.39	1.06	-9E+99	3.64	35.04	4.08	1.17
Beals & Salt Valley	PP481	B6-343	B6-342	1127.28	1126.86	300.84	3.50	0.00	0.00	0.00	4.46	44.37	1.06	-9E+99	3.91	37.59	3.88	1.11
Beals & Salt Valley	PP482	B6-342	B6-341	1126.86	1126.41	355.12	3.50	0.00	-0.34	-0.29	4.54	44.37	1.06	-9E+99	3.72	35.81	3.75	1.07
Beals & Salt Valley	PP483	B6-20	B6-341	1137.32	1126.41	410.00	1.75	0.03	0.00	0.00	0.00	0.00	0.06	-9E+99	10.75	25.85	3.53	0.00
Beals & Salt Valley	PP484	B6-341	B6-340	1126.41	1125.85	439.20	3.50	0.00	0.00	0.00	4.90	47.02	1.06	-9E+99	3.73	35.93	3.53	1.01
Beals & Salt Valley	PP485	B6-340	B6-339	1125.85	1125.67	134.80	3.50	0.00	0.00	0.00	5.20	47.02	1.08	-9E+99	3.82	36.76	3.13	0.89
Beals & Salt Valley	PP486	B6-339	B6-344	1125.67	1125.55	95.00	3.50	0.00	0.00	0.00	5.33	47.02	1.09	-9E+99	3.72	35.76	3.03	0.87
Beals & Salt Valley	PP487	B6-344	B6-246	1125.55	1125.30	523.55	5.00	0.00	0.00	0.00	3.95	47.02	1.58	-9E+99	2.90	56.91	2.94	0.59
Beals & Salt Valley	PP488	B6-246	B6-66	1125.30	1124.14	641.90	5.00	0.00	0.00	0.00	4.18	47.02	1.52	-9E+99	5.64	110.72	3.42	0.68
Beals & Salt Valley	PP489	B6-66	B6-87	1124.14	1123.92	596.14	5.00	0.00	0.00	0.00	3.29	47.02	1.77	-9E+99	2.55	50.03	3.42	0.68
Beals & Salt Valley	PP490	B6-87	B6-89	1123.92	1123.67	650.00	5.00	0.00	0.00	0.00	3.40	47.02	1.74	-9E+99	2.60	51.08	3.33	0.67
Beals & Salt Valley	PP491	B6-89	B6-90	1123.67	1123.41	675.00	5.00	0.00	0.00	0.00	3.55	47.02	1.69	-9E+99	2.60	51.11	3.21	0.64
Beals & Salt Valley	PP492	B6-90	B6-94	1123.41	1123.15	775.00	5.00	0.00	-0.36	-0.30	3.85	47.02	1.61	-9E+99	2.43	47.70	3.03	0.61
Beals & Salt Valley	PP493	B6-94	B6-100	1123.15	1123.00	387.75	5.00	0.00	-0.77	-0.90	4.75	47.02	1.38	-9E+99	2.61	51.22	2.59	0.52
Little Salt	PP494	C6-349	B6-115	1126.03	1125.67	434.00	3.50	0.00	0.00	0.00	3.36	18.68	0.94	-9E+99	3.01	28.98	1.97	0.56

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP495	B6-115	B6-274	1125.67	1125.31	50.00	3.50	0.01	0.00	0.00	3.59	18.68	0.93	-9E+99	8.87	85.37	2.27	0.65
Beals & Salt Valley	PP496	B6-274	B6-111	1125.31	1125.31	420.00	3.50	0.00	0.00	0.00	2.88	18.68	1.00	-9E+99	0.33	3.18	2.27	0.65
Beals & Salt Valley	PP497	B6-111	B6-382	1125.31	1125.00	340.00	3.50	0.00	0.00	0.00	3.43	18.68	0.93	-9E+99	3.16	30.38	1.94	0.55
Beals & Salt Valley	PP498	B6-382	B6-108	1125.00	1124.94	95.00	3.50	0.00	0.00	0.00	3.52	18.68	0.92	-9E+99	2.63	25.28	1.90	0.54
Beals & Salt Valley	PP499	B6-108	B6-105	1124.94	1124.58	420.00	3.50	0.00	0.00	0.00	3.70	18.68	0.89	-9E+99	3.06	29.46	1.85	0.53
Beals & Salt Valley	PP500	B6-105	B6-100	1124.58	1123.00	683.00	3.50	0.00	0.00	0.00	4.31	18.68	0.83	-9E+99	5.03	48.39	2.03	0.58
Beals & Salt Valley	PP501	B6-100	WWTP	1123.00	1119.99	371.00	5.00	0.01	-0.07	-0.90	8.56	69.25	1.32	-9E+99	11.95	234.59	3.25	0.65
Beals & Salt Valley	PP502	B4-739	B4-741	1129.22	1128.29	847.00	5.00	0.00	0.00	0.00	4.16	77.90	1.85	-9E+99	4.40	86.30	5.35	1.07
Beals & Salt Valley	PP504	B3-668	B3-682	1144.55	1143.62	56.24	1.50	0.02	0.00	0.00	0.00	0.00	0.00	-9E+99	7.64	13.51	-5.07	0.00
Beals & Salt Valley	PP505	B3-667	B3-490	1136.04	1139.47	672.00	3.50	-0.01	-0.72	-6.47	1.81	16.69	0.88	-9E+99	7.47	71.88	5.38	1.54
Beals & Salt Valley	PP506	C1-562	B1-272	1176.11	1173.42	432.00	1.50	0.01	0.00	0.00	4.94	6.58	0.44	-9E+99	4.69	8.29	1.48	0.99
Beals & Salt Valley	PP507	B1-272	B1-80	1173.42	1173.10	24.40	2.50	0.01	0.00	0.00	6.48	19.67	0.69	-9E+99	9.57	46.97	1.75	0.70
Beals & Salt Valley	L759	C1-565	C1-12	1212.34	1211.57	339.00	1.75	0.00	0.00	0.00	3.76	8.97	0.53	-9E+99	2.92	7.01	1.81	1.04
UNK	P10	MH-4	B2S-37	1171.66	1171.12	398.27	4.00	0.00	-0.59	-0.89	3.26	18.16	0.94	-9E+99	4.21	52.89	2.03	0.51
UNK	P9	MH-5	MH-4	1172.00	1171.66	321.55	4.00	0.00	-0.04	-0.02	3.38	18.16	0.92	-9E+99	3.72	46.71	1.80	0.45
UNK	P8	MH-6	MH-5	1172.54	1172.00	507.42	4.00	0.00	0.00	0.00	3.45	18.16	0.91	-9E+99	3.73	46.86	1.77	0.44
UNK	P7	MH-7	MH-6	1173.12	1172.54	548.50	4.00	0.00	0.00	0.00	3.47	18.16	0.91	-9E+99	3.72	46.71	1.74	0.44
UNK	P6	MH-8	MH-7	1173.70	1173.12	542.02	4.00	0.00	0.00	0.00	3.49	18.16	0.91	-9E+99	3.74	46.99	1.74	0.43
UNK	P5	MH-9	MH-8	1174.28	1173.70	518.48	4.00	0.00	0.00	0.00	3.53	18.16	0.90	-9E+99	3.82	48.04	1.73	0.43
UNK	P4	MH-10	MH-9	1174.85	1174.28	525.97	4.00	0.00	0.00	0.00	3.52	18.16	0.90	-9E+99	3.76	47.29	1.72	0.43
UNK	P3	MH-11	MH-10	1175.43	1174.85	563.92	4.00	0.00	0.00	0.00	3.47	18.16	0.91	-9E+99	3.67	46.07	1.74	0.44
UNK	P2	MH-12	MH-11	1175.99	1175.43	530.74	4.00	0.00	0.00	0.00	3.47	18.16	0.91	-9E+99	3.71	46.66	1.74	0.44
UNK	P1	SB4-57	MH-12	1176.50	1175.99	512.12	4.00	0.00	0.00	0.00	3.43	18.16	0.91	-9E+99	3.61	45.33	1.75	0.44
UNK	SWP5	SW-1	B1-7	1144.25	1143.50	500.00	5.00	0.00	0.00	0.00	2.95	11.79	1.19	-9E+99	5.14	100.87	3.00	0.60
UNK	SWP4	SW-2	SW-1	1145.68	1144.25	950.00	5.00	0.00	0.00	0.00	3.11	11.41	0.80	-9E+99	5.15	101.05	2.27	0.46
UNK	SWP3	SW-3	SW-2	1147.86	1145.68	1450.00	5.00	0.00	0.00	0.00	3.39	11.48	0.68	-9E+99	5.14	100.98	1.30	0.26
UNK	SWP2	SW-4	SW-3	1150.26	1147.86	1600.00	5.00	0.00	0.00	0.00	3.41	11.48	0.68	-9E+99	5.14	100.87	1.14	0.23
UNK	SWP1	SW-5	SW-4	1152.36	1150.26	1400.00	5.00	0.00	0.00	0.00	3.41	11.49	0.68	-9E+99	5.14	100.87	1.14	0.23
UNK	SWP8	SW-6	SW-7	1168.36	1163.26	2040.00	4.00	0.00	0.00	0.00	2.70	3.73	0.41	-9E+99	5.72	71.82	1.06	0.27
UNK	SWP7	SW-7	SW-8	1163.26	1157.81	2180.00	4.00	0.00	0.00	0.00	4.14	11.18	0.62	-9E+99	5.72	71.82	1.11	0.28
UNK	SWP6	SW-8	SW-5	1157.81	1153.36	1780.00	4.00	0.00	0.00	0.00	4.01	11.17	0.63	-9E+99	5.72	71.82	1.11	0.28
UNK	SWP9	SW-9	SW-5	1158.36	1152.36	2000.00	4.00	0.00	0.00	0.00	1.10	0.31	0.17	-9E+99	6.26	78.68	1.14	0.29
UNK	1727.1	N751	N752	1110.10	1110.10	243.00	4.00	0.00	-1.46	-7.77	6.38	81.82	1.22	-9E+99	0.36	4.54	17.11	4.28
UNK	1727.2	N751	N752	1110.10	1110.10	243.00	2.50	0.00	-1.43	-2.71	4.66	23.73	0.76	-9E+99	0.26	1.30	17.11	6.85
UNK	1727.3	N751	N752	1110.10	1110.10	243.00	2.00	0.00	-1.40	-1.67	4.02	13.23	0.61	-9E+99	0.23	0.72	17.11	8.56
UNK	1728.1	N752	B6-374	1110.10	1123.00	61.43	4.00	-0.21	-5.91	-74.12	6.50	82.10	1.03	-9E+99	52.38	658.25	16.16	4.04
UNK	1728.2	N752	B6-374	1110.10	1123.00	61.43	2.50	-0.21	-4.26	-21.65	4.65	23.58	0.64	-9E+99	38.29	187.96	16.16	6.47
UNK	1782.3	N752	B6-374	1110.10	1123.00	61.43	2.00	-0.21	-3.64	-11.91	4.00	13.10	0.51	-9E+99	33.00	103.67	16.16	8.08
UNK	PPL6	SB1-10	SB4-66	1200.23	1192.35	667.91	1.75	0.01	0.00	0.00	6.44	7.49	0.43	-9E+99	7.16	17.21	1.27	0.73
UNK	PPL5	SB1-11	SB1-10	1203.27	1200.23	576.43	1.75	0.01	0.00	0.00	4.82	7.49	0.49	-9E+99	4.78	11.51	1.11	0.63
UNK	PPL4	SB1-12	SB1-11	1204.91	1203.27	303.40	1.75	0.01	0.00	0.00	5.07	7.49	0.48	-9E+99	4.84	11.65	1.11	0.63
UNK	PPL2	SB1-14	SB1-13	1209.55	1206.98	487.21	1.75	0.01	0.00	0.00	4.87	6.23	0.45	-9E+99	4.78	11.51	0.92	0.53
UNK	PPL1	SB1-15	SB1-14	1210.56	1209.55	175.06	1.75	0.01	0.00	0.00	0.00	0.00	0.05	-9E+99	5.00	12.04	0.92	0.00
UNK	PPL15	SB4-58	SB4-57	1179.80	1177.99	864.38	2.50	0.00	0.00	0.00	4.17	14.33	0.72	-9E+99	3.82	18.77	1.69	0.68
UNK	PPL14	SB4-59	SB4-58	1181.39	1179.80	721.60	2.50	0.00	0.00	0.00	4.20	14.01	0.72	-9E+99	3.92	19.25	1.69	0.68
UNK	PPL13	SB4-60	SB4-59	1182.52	1181.39	500.00	2.50	0.00	0.00	0.00	4.29	14.01	0.71	-9E+99	3.97	19.50	1.60	0.64
UNK	PPL12	SB4-61	SB4-60	1183.76	1182.52	554.88	2.50	0.00	0.00	0.00	4.30	14.01	0.71	-9E+99	3.95	19.39	1.58	0.63
UNK	PPL11	SB4-62	SB4-61	1184.07	1183.76	123.54	2.50	0.00	-0.33	-0.14	4.07	12.58	0.70	-9E+99	4.19	20.55	1.58	0.63
UNK	PPL10	SB4-63	SB4-62	1184.92	1184.07	444.83	2.50	0.00	0.00	0.00	3.98	12.58	0.70	-9E+99	3.65	17.93	1.54	0.62

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
UNK	PPL9	SB4-64	SB4-63	1186.39	1184.92	444.83	2.25	0.00	0.00	0.00	4.66	12.05	0.63	-9E+99	4.48	17.80	1.54	0.69
UNK	PPL8	SB4-65	SB4-64	1188.45	1186.39	746.31	2.25	0.00	0.00	0.00	4.46	12.05	0.64	-9E+99	4.09	16.27	1.46	0.65
UNK	PPL7	SB4-66	SB4-65	1192.35	1188.45	843.87	2.00	0.00	0.00	0.00	5.26	11.26	0.57	-9E+99	4.90	15.38	1.46	0.73
UNK	PPL3	SB1-13	SB1-12	1206.98	1204.91	387.56	1.75	0.01	0.00	0.00	4.83	6.23	0.45	-9E+99	4.81	11.58	1.03	0.59
UNK	1780.1	B5-139-2	B5-139-3	1137.70	1125.40	29.00	2.50	0.42	-1.29	-6.57	9.67	24.30	0.75	-9E+99	54.42	267.13	16.75	6.70
UNK	1780.2	B5-139-2	B5-139-3	1138.27	1125.97	29.00	1.75	0.42	2.20	5.34	4.79	-7.27	0.45	-9E+99	42.90	103.19	16.18	9.25
UNK	1780.3	B5-139-2	B5-139-3	1138.00	1125.70	29.00	3.00	0.42	0.00	0.00	8.27	51.12	0.90	-9E+99	61.45	434.38	16.45	5.48
UNK	1781.1	B5-139-3	B5-139-4	1125.40	1125.40	175.00	3.00	0.00	0.00	0.00	2.61	18.97	0.91	-9E+99	0.30	2.11	16.75	5.58
UNK	1781.2	B5-139-3	B5-139-4	1125.97	1125.97	175.00	1.75	0.00	0.00	0.00	1.83	4.63	0.53	-9E+99	0.21	0.50	16.18	9.25
UNK	1781.3	B5-139-3	B5-139-4	1125.70	1125.70	175.00	3.00	0.00	0.00	0.00	2.61	18.96	0.91	-9E+99	0.30	2.11	16.45	5.48
UNK	1782.1	B5-139-4	B5-139-5	1125.40	1136.70	29.00	2.50	-0.39	-2.76	-13.99	2.79	14.13	0.64	-9E+99	52.16	256.04	16.60	6.64
UNK	1782.2	B5-139-4	B5-139-5	1125.97	1136.55	29.00	1.75	-0.36	-2.17	-5.47	2.20	5.54	0.45	-9E+99	39.79	95.71	16.03	9.16
UNK	1782.4	B5-139-4	B5-139-5	1125.70	1136.80	29.00	3.00	-0.38	-3.12	-22.62	3.15	22.82	0.77	-9E+99	58.38	412.65	16.30	5.43
UNK	L803	B5-139-5	B5-517	1136.55	1136.47	105.00	4.00	0.00	0.00	0.00	4.79	42.37	1.22	-9E+99	3.16	39.65	5.45	1.36
Middle & West O	LON6	A4-81	A4-80	1139.85	1139.90	600.00	3.00	0.00	-1.76	-12.55	3.36	15.98	0.91	-9E+99	0.86	6.09	7.16	2.39
Middle & West O	LON5	A4-134	A4-81	1140.20	1139.85	418.00	3.00	0.00	0.00	0.00	2.79	15.98	0.91	-9E+99	2.73	19.30	7.21	2.40
Middle & West O	LON4	A4-135	A4-134	1140.66	1140.20	420.00	3.00	0.00	0.00	0.00	2.96	15.98	0.91	-9E+99	3.12	22.07	7.06	2.35
Middle & West O	LON3	A4-136	A4-135	1141.12	1140.66	419.82	3.00	0.00	0.00	0.00	3.03	15.98	0.91	-9E+99	3.12	22.08	6.80	2.27
Middle & West O	LON2	A4-137	A4-136	1141.68	1141.12	510.18	3.00	0.00	0.00	0.00	3.06	15.99	0.91	-9E+99	3.13	22.10	6.55	2.18
Middle & West O	LON7	A4-80	A4-79	1138.90	1138.10	500.00	3.00	0.00	0.00	0.00	3.99	15.11	0.90	-9E+99	3.77	26.68	8.52	2.84
Middle & West O	LON8	A4-79	A4-78	1138.10	1137.30	500.00	3.00	0.00	0.00	0.00	3.83	13.49	0.90	-9E+99	3.77	26.68	9.14	3.05
Middle & West O	LON9	A4-78	A4-77	1137.30	1136.50	500.00	3.00	0.00	0.00	0.00	3.77	13.00	0.90	-9E+99	3.77	26.68	9.76	3.26
Middle & West O	LON10	A4-77	A4-76	1136.50	1135.70	500.00	3.00	0.00	0.00	0.00	3.74	13.00	0.90	-9E+99	3.77	26.68	10.39	3.46
Middle & West O	LON11	A4-76	A4-75	1135.70	1134.88	500.00	3.00	0.00	0.00	0.00	3.74	13.00	0.90	-9E+99	3.82	27.01	11.03	3.68
Middle & West O	LLN11	A4-65	A5-129	1126.99	1126.18	360.00	1.00	0.00	0.00	0.00	4.08	3.40	0.29	-9E+99	2.15	1.69	15.77	15.77
Middle & West O	LLN10	A4-66	A4-65	1127.88	1126.99	413.90	1.00	0.00	0.00	0.00	4.05	3.42	0.29	-9E+99	2.10	1.65	16.87	16.87
Middle & West O	LLN9	A4-67	A4-66	1128.68	1127.88	500.10	3.00	0.00	0.00	0.00	3.24	9.20	0.90	-9E+99	3.77	26.68	16.87	5.62
Middle & West O	LLN8	A4-68	A4-67	1129.38	1128.68	436.00	3.00	0.00	0.00	0.00	3.61	11.19	0.90	-9E+99	3.78	26.73	16.09	5.36
Middle & West O	LLN7	A4-69	A4-68	1129.91	1129.38	330.00	3.00	0.00	0.00	0.00	3.63	11.37	0.90	-9E+99	3.78	26.73	15.41	5.14
Middle & West O	LLN6	A4-70	A4-69	1130.76	1129.91	534.00	3.00	0.00	0.00	0.00	3.63	12.13	0.90	-9E+99	3.76	26.61	14.95	4.99
Middle & West O	LLN5	A4-71	A4-70	1131.39	1130.76	393.00	3.00	0.00	0.00	0.00	3.64	13.00	0.90	-9E+99	3.78	26.70	14.27	4.76
Middle & West O	LLN4	A4-72	A4-71	1132.24	1131.39	528.90	3.00	0.00	0.00	0.00	3.66	13.00	0.90	-9E+99	3.78	26.74	13.77	4.59
Middle & West O	LLN3	A4-73	A4-72	1133.10	1132.24	539.70	3.00	0.00	0.00	0.00	3.66	13.00	0.90	-9E+99	3.77	26.62	13.10	4.37
Middle & West O	LLN2	A4-74	A4-73	1134.02	1133.10	574.40	3.00	0.00	0.00	0.00	3.68	13.00	0.90	-9E+99	3.78	26.69	12.43	4.14
Middle & West O	LLN1	A4-75	A4-74	1134.88	1134.02	540.00	3.00	0.00	0.00	0.00	3.69	13.00	0.90	-9E+99	3.77	26.62	11.71	3.90
Middle & West O	LON1	AA4-3	A4-137	1142.23	1141.68	508.79	3.00	0.00	0.00	0.00	3.06	15.99	0.91	-9E+99	3.10	21.93	6.25	2.08
Middle & West O	LPP90	AA4-28	AA4-29	1143.89	1143.36	652.00	3.00	0.00	0.00	0.00	2.78	15.99	0.91	-9E+99	2.69	19.02	5.63	1.88
Middle & West O	LPP81	AA4-18	AA4-20	1147.08	1146.74	420.00	3.00	0.00	0.00	0.00	3.45	16.00	0.91	-9E+99	2.68	18.98	4.63	1.54
Middle & West O	LPP82	AA4-20	AA4-21	1146.74	1146.44	380.00	3.00	0.00	0.00	0.00	3.20	16.00	0.91	-9E+99	2.65	18.74	4.71	1.57
Middle & West O	LPP83	AA4-21	AA4-22	1146.44	1146.11	409.00	3.00	0.00	0.00	0.00	3.14	16.00	0.91	-9E+99	2.68	18.95	4.81	1.60
Middle & West O	LPP84	AA4-22	AA4-23	1146.11	1145.55	700.00	3.00	0.00	0.00	0.00	2.92	16.00	0.91	-9E+99	2.67	18.87	4.98	1.66
Middle & West O	LPP85	AA4-23	AA4-24	1145.55	1145.12	541.00	3.00	0.00	0.00	0.00	2.87	15.99	0.91	-9E+99	2.66	18.80	5.10	1.70
Middle & West O	LPP86	AA4-24	AA4-25	1145.12	1144.86	327.00	3.00	0.00	0.00	0.00	2.88	15.99	0.91	-9E+99	2.66	18.81	5.18	1.73
Middle & West O	LPP87	AA4-25	AA4-26	1144.86	1144.55	380.00	3.00	0.00	0.00	0.00	2.89	15.99	0.91	-9E+99	2.70	19.05	5.28	1.76
Middle & West O	LPP88	AA4-26	AA4-27	1144.55	1144.39	200.00	3.00	0.00	0.00	0.00	2.96	15.99	0.91	-9E+99	2.67	18.87	5.32	1.77
Middle & West O	LPP89	AA4-27	AA4-28	1144.39	1143.89	635.00	3.00	0.00	0.00	0.00	2.80	15.99	0.91	-9E+99	2.65	18.72	5.47	1.82
Middle & West O	LPP91	AA4-29	AA4-30	1143.36	1143.20	206.00	3.00	0.00	0.00	0.00	2.76	15.99	0.91	-9E+99	2.63	18.59	5.67	1.89
Middle & West O	LPP92	AA4-30	AA4-31	1143.20	1142.84	650.00	3.00	0.00	0.00	0.00	2.66	15.99	0.91	-9E+99	2.22	15.70	5.67	1.89
Middle & West O	LPP95	AA4-33	AA4-3	1142.26	1142.23	11.12	3.00	0.00	0.00	0.00	3.75	15.99	0.91	-9E+99	4.90	34.64	5.98	1.99

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Middle & West O	LPP93	AA4-31	AA4-32	1142.84	1142.34	444.00	3.00	0.00	0.00	0.00	3.10	15.99	0.91	-9E+99	3.17	22.38	5.92	1.97
Middle & West O	LPP94	AA4-32	AA4-33	1142.34	1142.26	83.35	3.00	0.00	0.00	0.00	3.09	15.99	0.91	-9E+99	2.92	20.66	5.95	1.99
Middle & West O	LPP80	AA4-17	AA4-18	1147.28	1147.08	50.00	3.00	0.00	0.00	0.00	5.70	16.00	0.91	-9E+99	5.97	42.18	4.53	1.51
Middle & West O	LCN12	A4-41	A4-42	1142.70	1141.49	449.40	1.75	0.00	0.00	0.00	3.11	2.90	0.38	-9E+99	3.42	8.22	0.73	0.42
Middle & West O	LCN13	A4-42	A4-43	1141.49	1140.94	213.40	1.75	0.00	0.00	0.00	3.03	2.90	0.39	-9E+99	3.34	8.04	0.76	0.43
Middle & West O	LCN14	A4-43	A4-172	1140.94	1140.38	232.30	1.75	0.00	0.00	0.00	2.91	2.90	0.40	-9E+99	3.23	7.78	0.84	0.48
Middle & West O	LCN15	A4-21	LSTA	1131.00	1142.75	49.72	1.75	-0.24	-1.14	-2.91	3.49	4.14	0.45	-9E+99	32.02	77.03	19.37	11.07
Middle & West O	LCN10	A4-20	A4-21	1131.68	1131.00	591.37	1.75	0.00	-0.51	-1.23	2.23	4.16	0.52	-9E+99	2.23	5.37	19.39	11.08
Middle & West O	LCN9	A4-19	A4-20	1131.84	1131.68	77.96	1.75	0.00	-0.52	-1.25	2.98	4.19	0.53	-9E+99	2.98	7.18	18.89	10.79
Middle & West O	LCN8	A4-18	A4-19	1132.93	1131.84	546.67	1.75	0.00	-0.41	-0.97	3.11	4.53	0.50	-9E+99	2.94	7.08	18.75	10.72
Middle & West O	LCN7	A4-17	A4-18	1134.08	1132.93	575.00	1.75	0.00	-0.47	-1.13	3.13	4.57	0.50	-9E+99	2.95	7.09	17.86	10.20
Middle & West O	LCN6	A4-16	A4-17	1135.23	1134.08	575.00	1.75	0.00	-0.30	-0.73	3.13	4.60	0.52	-9E+99	2.95	7.09	16.93	9.67
Middle & West O	LCN5	A4-15	A4-16	1136.13	1135.23	500.00	1.75	0.00	-0.08	-0.19	3.02	4.59	0.52	-9E+99	2.79	6.72	16.02	9.15
Middle & West O	LCN4	A4-14	A4-15	1137.06	1136.13	411.96	1.75	0.00	-0.09	-0.23	3.28	4.66	0.52	-9E+99	3.13	7.53	15.36	8.78
Middle & West O	LCN3	A4-13	A4-14	1138.03	1137.06	488.04	1.75	0.00	0.00	0.00	3.14	4.69	0.52	-9E+99	2.94	7.06	14.66	8.38
Middle & West O	LCN1	A4-82	A4-164	1139.70	1138.83	407.00	1.75	0.00	0.00	0.00	3.28	6.00	0.51	-9E+99	3.05	7.33	13.49	7.71
Middle & West O	1894.1	LSTA	A4-206	1142.75	1142.75	25.43	1.75	0.00	0.00	0.00	0.00	2.90	0.00	-9E+99	0.00	0.00	-9.00E+99	0.00
Middle & West O	C-9	LSTA	A4-206	1142.75	1142.75	25.43	1.75	0.00	0.00	0.00	0.00	2.90	0.00	-9E+99	0.00	0.00	-9.00E+99	0.00
Middle & West O	LCN11	A4-206	A4-41	1142.75	1142.70	1084.27	1.00	0.00	0.00	0.00	3.63	2.90	0.29	-9E+99	0.31	0.24	7.95	7.95
Middle & West O	LCN2	A4-164	A4-13	1138.83	1138.03	400.00	1.75	0.00	0.00	0.00	3.17	5.12	0.52	-9E+99	2.95	7.09	13.99	7.99
Middle & West O	LND2	B5-54	B5-56	1139.07	1137.10	407.00	1.00	0.00	0.00	0.00	3.22	1.38	0.26	-9E+99	3.16	2.48	0.60	0.60
Middle & West O	LND1	B5-52	B5-54	1140.30	1139.07	416.00	1.00	0.00	0.00	0.00	2.61	1.36	0.28	-9E+99	2.47	1.94	0.64	0.64
Middle & West O	LND4	B5-56	B5-615	1137.10	1134.78	407.00	1.00	0.01	0.00	0.00	3.01	1.34	0.26	-9E+99	3.42	2.69	0.60	0.60
Middle & West O	LND3	B5-615	B5-616	1134.78	1126.61	20.00	1.00	0.41	0.00	0.00	11.82	1.55	0.12	-9E+99	28.99	22.77	5.58	5.58
Middle & West O	LST2	A5-43	B5-52	1142.23	1140.30	470.00	1.00	0.00	0.00	0.00	3.03	1.42	0.27	-9E+99	2.91	2.28	0.64	0.64
Middle & West O	LST1	A5-42	A5-43	1142.42	1142.23	57.00	1.00	0.00	0.00	0.00	3.03	1.34	0.28	-9E+99	2.62	2.06	0.60	0.60
Middle & West O	3180.1	LSTA2	N1474	0.05	0.00	10.00	0.05	0.01	0.00	0.00	0.00	2.69	0.00	-9E+99	0.00	0.00	-9.00E+99	0.00
Middle & West O	C-8	LSTA2	N1474	0.05	0.00	10.00	0.05	0.01	0.00	0.00	0.00	2.69	0.00	-9E+99	0.00	0.00	-9.00E+99	0.00
Middle & West O	LST5	A5-141	LSTA2	1125.43	1125.00	79.20	1.00	0.01	0.00	0.00	4.20	3.37	0.30	-9E+99	3.34	2.63	13.95	13.95
Middle & West O	LST4	A5-129	A5-141	1126.18	1125.43	340.00	1.00	0.00	0.00	0.00	4.12	3.38	0.30	-9E+99	2.13	1.67	14.83	14.83
Oak Creek	LIN58	BB7-27	BB7-2	1173.22	1172.35	160.00	1.75	0.01	0.00	0.00	4.37	4.10	0.38	-9E+99	4.86	11.68	0.74	0.42
Oak Creek	LIN61	BB7-2	BB7-1	1172.35	1168.75	270.00	1.75	0.01	0.00	0.00	5.88	4.10	0.32	-9E+99	7.61	18.30	0.77	0.44
Oak Creek	LIN57	BB7-3	BB7-27	1176.02	1173.22	110.00	1.75	0.03	0.00	0.00	7.14	4.10	0.29	-9E+99	10.51	25.28	0.74	0.42
Oak Creek	LIN66	BB7-4	BB7-3	1180.00	1176.02	265.00	1.75	0.02	0.00	0.00	6.08	4.10	0.32	-9E+99	8.07	19.42	0.58	0.33
Oak Creek	LIN65	BB7-5	BB7-4	1184.00	1180.00	225.00	1.75	0.02	0.00	0.00	6.70	4.10	0.30	-9E+99	8.78	21.13	0.58	0.33
Oak Creek	LIN59	BB7-11	BB7-10	1193.00	1191.89	369.00	1.75	0.00	0.00	0.00	3.56	4.10	0.43	-9E+99	3.61	8.69	0.85	0.49
Oak Creek	LIN60	BB7-10	BB7-9	1191.89	1190.79	370.00	1.75	0.00	0.00	0.00	3.54	4.10	0.43	-9E+99	3.59	8.64	0.85	0.49
Oak Creek	LIN67	BB7-9	BB7-8	1190.79	1189.70	362.00	1.75	0.00	0.00	0.00	3.56	4.10	0.43	-9E+99	3.61	8.69	0.85	0.49
Oak Creek	LIN62	BB7-8	BB7-7	1189.70	1188.85	283.00	1.75	0.00	0.00	0.00	3.51	4.10	0.43	-9E+99	3.61	8.68	0.90	0.51
Oak Creek	LIN63	BB7-7	BB7-6	1188.85	1188.00	285.00	1.75	0.00	0.00	0.00	3.47	4.10	0.43	-9E+99	3.60	8.65	0.90	0.51
Oak Creek	LIN64	BB7-6	BB7-5	1188.00	1184.00	225.00	1.75	0.02	0.00	0.00	6.79	4.10	0.30	-9E+99	8.78	21.13	0.52	0.30
Oak Creek	LIN103	BB7-1	AA7-279	1168.75	1167.57	350.00	2.00	0.00	0.00	0.00	3.65	4.10	0.42	-9E+99	4.18	13.14	0.82	0.41
Oak Creek	LIN5	AA7-6	AA7-5	1149.49	1148.58	850.00	2.50	0.00	0.00	0.00	2.98	15.24	0.76	-9E+99	2.73	13.42	2.82	1.13
Oak Creek	LIN7	AA7-5	AA7-4	1148.58	1148.20	850.00	2.50	0.00	0.00	0.00	3.10	15.24	0.75	-9E+99	1.77	8.67	2.64	1.06
Oak Creek	LIN6	AA7-2	AA7-298	1147.60	1146.68	65.00	2.50	0.01	0.00	0.00	8.14	15.24	0.54	-9E+99	9.94	48.80	1.17	0.47
Oak Creek	LIN9	AA7-4	AA7-3	1148.20	1147.83	100.00	2.50	0.00	0.00	0.00	3.93	15.24	0.75	-9E+99	5.08	24.95	2.06	0.83
Oak Creek	LIN8	AA7-3	AA7-2	1147.83	1147.60	500.00	2.50	0.00	0.00	0.00	3.74	15.24	0.74	-9E+99	1.79	8.80	2.06	0.83
Oak Creek	LIN16	AA7-298	AA6-68	1146.68	1143.79	572.00	3.00	0.01	0.00	0.00	5.37	15.24	0.66	-9E+99	6.71	47.41	2.14	0.71
Oak Creek	LIN11	AA7-15	AA7-14	1149.19	1149.21	242.00	2.25	0.00	-3.78	-15.21	3.79	15.24	0.68	-9E+99	0.71	2.82	6.76	3.00

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Oak Creek	LIN4	AA7-14	AA7-13	1149.21	1148.99	577.00	2.25	0.00	0.00	0.00	3.79	15.24	0.68	-9E+99	1.52	6.05	6.19	2.75
Oak Creek	LIN12	AA7-13	AA7-10	1148.99	1149.02	265.00	2.25	0.00	-3.80	-15.21	3.80	15.24	0.68	-9E+99	0.83	3.30	5.01	2.22
Oak Creek	LIN13	AA7-10	AA7-9	1149.02	1148.94	179.00	2.25	0.00	0.00	0.00	3.81	15.24	0.68	-9E+99	1.65	6.55	4.37	1.94
Oak Creek	LIN14	AA7-9	AA7-7	1148.94	1148.91	118.00	2.25	0.00	0.00	0.00	3.81	15.24	0.68	-9E+99	1.24	4.94	4.02	1.79
Oak Creek	LIN15	AA7-7	AA7-6	1148.91	1149.49	155.00	2.25	0.00	-3.81	-15.21	3.82	15.24	0.67	-9E+99	4.76	18.94	3.40	1.51
Oak Creek	LIN10	AA7-16	AA7-15	1149.94	1149.19	852.00	2.25	0.00	0.00	0.00	3.77	15.24	0.68	-9E+99	2.31	9.19	8.03	3.57
Oak Creek	LIN19	A9-114	A9-113	1186.23	1185.60	525.00	1.50	0.00	0.00	0.00	2.54	4.50	0.46	-9E+99	2.06	3.64	1.83	1.22
Oak Creek	LIN17	A8-280	A8-279	1185.04	1184.82	120.00	1.50	0.00	0.00	0.00	2.65	4.50	0.46	-9E+99	2.55	4.50	1.43	0.95
Oak Creek	LIN18	A9-113	A8-280	1185.60	1185.12	400.00	1.50	0.00	0.00	0.00	2.58	4.50	0.46	-9E+99	2.06	3.64	1.55	1.03
Oak Creek	LIN43	A6-197	A6-196	1137.61	1137.17	530.00	4.00	0.00	0.00	0.00	3.29	19.81	0.98	-9E+99	3.29	41.39	1.94	0.48
Oak Creek	LIN44	A6-196	A6-195	1137.17	1136.56	630.00	4.00	0.00	0.00	0.00	3.31	19.81	0.98	-9E+99	3.56	44.70	2.00	0.50
Oak Creek	LIN45	A6-195	A6-194	1136.56	1136.24	530.00	4.00	0.00	-0.71	-0.71	3.20	19.81	0.99	-9E+99	2.81	35.30	2.00	0.50
Oak Creek	LIN48	A6-194	A6-193	1136.24	1135.28	479.00	4.00	0.00	0.00	0.00	4.19	24.40	0.96	-9E+99	5.12	64.31	2.23	0.56
Oak Creek	LIN52	A6-191	A6-190	1134.71	1134.36	393.00	4.50	0.00	0.00	0.00	3.08	24.40	1.13	-9E+99	3.69	58.69	2.36	0.52
Oak Creek	LIN46	A6-189	A6-188	1134.11	1133.79	515.00	4.50	0.00	0.00	0.00	2.94	24.50	1.17	-9E+99	3.08	49.02	2.38	0.53
Oak Creek	LIN47	A6-188	B6-326	1133.79	1133.49	514.00	4.50	0.00	0.00	0.00	2.87	24.50	1.19	-9E+99	2.99	47.51	2.42	0.54
Oak Creek	LIN49	A6-193	A6-192	1135.28	1134.98	379.00	4.50	0.00	0.00	0.00	3.10	24.40	1.13	-9E+99	3.48	55.33	2.30	0.51
Oak Creek	LIN50	A6-192	A6-191	1134.98	1134.71	546.00	4.50	0.00	0.00	0.00	3.00	24.40	1.15	-9E+99	2.75	43.73	2.30	0.51
Oak Creek	LIN51	A6-190	A6-189	1134.36	1134.11	501.00	4.50	0.00	0.00	0.00	2.91	24.50	1.18	-9E+99	2.76	43.93	2.36	0.52
Oak Creek	LIN53	A6-198	A6-197	1138.15	1137.61	671.00	4.00	0.00	0.00	0.00	3.15	18.82	0.97	-9E+99	3.24	40.75	1.94	0.48
Oak Creek	LIN54	A6-171	LIFTSTA	1137.82	1137.72	39.00	1.75	0.00	0.00	0.00	0.00	0.00	0.22	-9E+99	3.34	8.02	0.37	0.21
Oak Creek	LIN56	LIFTSTA	A6-7	1137.72	1136.30	568.00	1.00	0.00	0.01	0.00	0.02	-0.02	0.25	-9E+99	2.27	1.78	1.79	1.79
Oak Creek	LIN55	A6-7	A6-194	1136.30	1136.24	25.00	1.00	0.00	0.00	0.00	0.79	-0.86	0.30	-9E+99	2.22	1.75	1.85	1.85
Oak Creek	LIN68	AA7-270	AA7-269	1157.90	1156.01	240.00	2.50	0.01	0.00	0.00	4.97	6.28	0.75	-9E+99	7.42	36.40	9.60	3.84
Oak Creek	LIN69	AA7-269	AA7-268	1156.01	1155.06	400.00	3.00	0.00	0.00	0.00	3.28	6.28	0.90	-9E+99	4.60	32.50	10.52	3.51
Oak Creek	LIN70	AA7-268	AA7-267	1155.06	1154.16	386.00	3.00	0.00	0.00	0.00	3.03	6.28	0.90	-9E+99	4.56	32.21	11.39	3.80
Oak Creek	LIN72	AA7-267	AA7-26	1154.16	1152.35	274.00	1.75	0.01	0.00	0.00	3.43	6.28	0.52	-9E+99	5.35	12.88	12.84	7.34
Oak Creek	LIN71	AA7-271	AA7-270	1159.26	1157.90	240.00	2.50	0.01	0.00	0.00	4.50	6.28	0.75	-9E+99	6.29	30.88	7.76	3.11
Oak Creek	LIN73	AA7-226	AA7-225	1155.84	1155.42	205.00	1.50	0.00	0.00	0.00	3.41	5.28	0.46	-9E+99	2.69	4.75	11.83	7.89
Oak Creek	LIN86	AA7-26	AA7-25	1152.35	1152.05	277.00	1.75	0.00	0.00	0.00	3.27	8.17	0.53	-9E+99	2.17	5.21	12.84	7.34
Oak Creek	LIN74	AA7-225	AA7-195	1155.42	1155.32	189.00	1.50	0.00	0.00	0.00	2.79	5.06	0.45	-9E+99	1.37	2.42	11.83	7.89
Oak Creek	LIN75	AA7-195	AA7-194	1155.32	1155.01	226.00	1.50	0.00	0.00	0.00	2.83	4.69	0.46	-9E+99	2.20	3.89	11.58	7.72
Oak Creek	LIN76	AA7-194	AA7-148	1155.01	1154.76	178.00	1.50	0.00	0.00	0.00	2.85	4.24	0.46	-9E+99	2.23	3.94	11.50	7.67
Oak Creek	LIN77	AA7-148	AA7-137	1154.76	1154.42	217.00	1.50	0.00	0.00	0.00	2.83	4.21	0.46	-9E+99	2.35	4.16	11.54	7.69
Oak Creek	LIN78	AA7-137	AA7-136	1154.42	1154.25	125.00	1.50	0.00	0.00	0.00	2.71	4.02	0.46	-9E+99	2.19	3.87	11.60	7.73
Oak Creek	LIN79	AA7-136	AA7-135	1154.25	1154.14	143.00	1.50	0.00	0.00	0.00	2.49	4.00	0.46	-9E+99	1.65	2.91	11.61	7.74
Oak Creek	LIN80	AA7-135	AA7-117	1154.14	1154.26	202.00	1.50	0.00	-1.41	-2.59	2.42	3.98	0.45	-9E+99	1.45	2.56	11.50	7.67
Oak Creek	LIN81	AA7-117	AA7-116	1154.26	1153.64	177.00	1.50	0.00	0.00	0.00	3.42	3.96	0.45	-9E+99	3.52	6.22	11.91	7.94
Oak Creek	LIN82	AA7-116	AA7-107	1153.64	1153.31	235.00	1.50	0.00	0.00	0.00	2.65	3.90	0.46	-9E+99	2.23	3.94	12.13	8.09
Oak Creek	LIN83	AA7-107	AA7-106	1153.31	1153.07	192.00	1.50	0.00	0.00	0.00	2.62	3.82	0.46	-9E+99	2.10	3.71	12.28	8.19
Oak Creek	LIN85	AA7-106	AA7-91	1153.07	1152.76	201.00	1.50	0.00	0.00	0.00	2.65	3.69	0.46	-9E+99	2.33	4.13	12.51	8.34
Oak Creek	LIN84	AA7-91	AA7-26	1152.76	1152.35	285.00	1.50	0.00	-0.44	-0.24	2.29	3.50	0.46	-9E+99	2.25	3.98	12.84	8.56
Oak Creek	LIN111	AA7-24	AA7-23	1151.74	1151.89	31.44	1.50	0.00	-3.22	-5.94	3.23	5.96	0.45	-9E+99	4.11	7.26	11.91	7.94
Oak Creek	L1515	AA7-24	N1478	1151.74	1136.74	15.00	0.67	1.00	0.00	0.00	14.03	2.44	0.20	-9E+99	34.63	12.10	26.66	39.97
Oak Creek	LIN88	AA7-21	AA7-16	1150.26	1149.94	260.00	2.25	0.00	0.00	0.00	3.77	15.24	0.68	-9E+99	2.73	10.87	8.32	3.70
Oak Creek	LIN87	AA7-25	AA7-24	1152.05	1151.74	316.00	1.75	0.00	0.00	0.00	3.28	8.20	0.53	-9E+99	2.06	4.96	12.46	7.12
Oak Creek	LIN89	AA7-93	AA7-21	1150.75	1150.26	309.00	1.75	0.00	-0.65	-0.57	2.66	6.54	0.52	-9E+99	2.62	6.31	8.33	4.76
Oak Creek	LIN90	AA7-104	AA7-93	1151.13	1150.75	400.00	1.75	0.00	-0.33	-0.17	2.65	6.54	0.53	-9E+99	2.03	4.88	8.59	4.91
Oak Creek	LIN91	AA7-115	AA7-104	1151.67	1151.13	400.00	1.75	0.00	0.00	0.00	2.65	6.54	0.52	-9E+99	2.42	5.82	8.69	4.96

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Oak Creek	LIN92	AA7-139	AA7-115	1152.02	1151.67	336.00	1.75	0.00	0.00	0.00	2.65	6.54	0.53	-9E+99	2.13	5.11	8.87	5.07
Oak Creek	LIN93	AA7-146	AA7-139	1152.36	1152.02	344.00	1.75	0.00	0.00	0.00	2.65	6.54	0.53	-9E+99	2.07	4.98	9.09	5.19
Oak Creek	L1518	AA7-23	N1482	1151.89	1136.89	15.00	1.00	1.00	0.00	0.00	21.79	9.14	0.30	-9E+99	45.36	35.63	26.11	26.11
Oak Creek	LIN109	AA7-22	AA7-21	1149.76	1150.26	30.08	1.00	-0.02	-6.99	-5.78	7.21	5.95	0.28	-9E+99	5.85	4.59	9.03	9.03
Oak Creek	LIN112	AA7-303	AA7-23	1152.80	1151.89	591.00	1.50	0.00	0.05	0.10	0.06	-1.04	0.42	-9E+99	2.33	4.12	11.76	7.84
Oak Creek	LIN113	AA7-272	AA7-271	1160.70	1159.26	232.00	2.00	0.01	0.00	0.00	4.25	4.08	0.60	-9E+99	5.67	17.82	6.46	3.23
Oak Creek	LIN104	AA7-273	AA7-272	1162.06	1160.70	328.00	2.00	0.00	0.00	0.00	3.68	4.08	0.60	-9E+99	4.64	14.57	5.09	2.54
Oak Creek	LIN105	AA7-274	AA7-273	1163.44	1162.06	333.00	2.00	0.00	0.00	0.00	3.78	4.08	0.60	-9E+99	4.64	14.56	3.83	1.92
Oak Creek	LIN98	AA7-275	AA7-274	1164.51	1163.44	258.00	2.00	0.00	0.00	0.00	3.79	4.08	0.60	-9E+99	4.64	14.57	2.56	1.28
Oak Creek	LIN99	AA7-276	AA7-275	1165.26	1164.51	284.00	2.00	0.00	0.00	0.00	3.24	4.09	0.52	-9E+99	3.70	11.63	1.56	0.78
Oak Creek	LIN100	AA7-277	AA7-276	1166.08	1165.26	306.00	2.00	0.00	0.00	0.00	3.32	4.10	0.45	-9E+99	3.73	11.71	1.02	0.51
Oak Creek	LIN101	AA7-278	AA7-277	1166.86	1166.08	294.00	2.00	0.00	0.00	0.00	3.37	4.10	0.44	-9E+99	3.71	11.65	0.84	0.42
Oak Creek	LIN102	AA7-279	AA7-278	1167.57	1166.86	270.00	2.00	0.00	0.00	0.00	3.37	4.10	0.44	-9E+99	3.69	11.60	0.82	0.41
Oak Creek	LIN97	AA7-301	AA7-300	1156.92	1156.70	570.00	2.50	0.00	0.00	0.00	2.28	8.15	0.76	-9E+99	1.64	8.06	13.26	5.30
Oak Creek	LIN96	AA7-300	AA7-299	1156.70	1154.10	20.00	1.50	0.13	0.00	0.00	8.47	7.53	0.45	-9E+99	21.43	37.87	15.78	10.52
Oak Creek	LIN106	AA7-299	AA7-244	1154.10	1153.94	40.00	1.25	0.00	-0.48	-0.11	4.80	6.32	0.38	-9E+99	3.33	4.09	15.78	12.62
Oak Creek	LIN95	AA7-224	AA7-193	1153.63	1152.73	433.00	1.25	0.00	0.00	0.00	5.05	6.54	0.38	-9E+99	2.40	2.95	12.43	9.95
Oak Creek	LIN94	AA7-193	AA7-146	1152.73	1152.36	369.00	1.75	0.00	0.00	0.00	2.65	6.54	0.53	-9E+99	2.09	5.02	9.31	5.32
Oak Creek	LIN107	AA7-244	AA7-224	1153.94	1153.63	386.00	1.25	0.00	0.00	0.00	4.98	6.54	0.38	-9E+99	1.49	1.83	15.60	12.48
Oak Creek	LIN38	A7-150	A6-122	1151.65	1150.22	110.00	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	8.21	25.79	0.00	0.00
Oak Creek	LIN1	A7-151	A7-150	1151.69	1151.65	41.40	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.24	7.03	0.00	0.00
Oak Creek	LIN2	A7-171	A7-151	1151.99	1151.69	229.33	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.60	8.18	0.00	0.00
Oak Creek	LIN3	A7-170	A7-171	1153.70	1151.99	229.34	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	6.22	19.53	0.00	0.00
Oak Creek	LIN20	AA6-66	A6-233	1143.23	1142.68	571.00	4.00	0.00	0.00	0.00	2.85	15.24	0.92	-9E+99	3.55	44.58	1.94	0.48
Oak Creek	LIN21	AA6-67	AA6-66	1143.52	1143.23	426.00	4.00	0.00	0.00	0.00	2.86	15.24	0.92	-9E+99	2.98	37.48	1.76	0.44
Oak Creek	LIN22	AA6-68	AA6-67	1143.79	1143.52	724.00	3.00	0.00	0.00	0.00	2.88	15.24	0.89	-9E+99	1.82	12.88	2.14	0.71
Oak Creek	LIN30	A6-200	A6-199	1139.37	1138.90	604.00	4.00	0.00	0.00	0.00	3.25	18.82	0.96	-9E+99	3.19	40.07	1.89	0.47
Oak Creek	LIN23	A6-122	A6-121	1150.22	1148.64	450.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.27	13.40	0.00	0.00
Oak Creek	LIN24	A6-121	A6-120	1148.64	1147.07	450.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.25	13.36	0.00	0.00
Oak Creek	LIN25	A6-120	A6-119	1147.07	1145.49	450.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.27	13.40	0.00	0.00
Oak Creek	LIN26	A6-119	A6-204	1145.49	1141.29	410.00	2.00	0.01	0.00	0.00	0.00	0.00	0.07	-9E+99	7.29	22.90	1.90	0.00
Oak Creek	LIN37	A6-204	A6-203	1141.29	1140.92	585.00	4.00	0.00	0.00	0.00	3.24	18.82	0.96	-9E+99	2.87	36.13	1.90	0.48
Oak Creek	LIN27	A6-203	A6-202	1140.92	1140.22	450.00	4.00	0.00	0.00	0.00	3.65	18.82	0.90	-9E+99	4.51	56.65	1.92	0.48
Oak Creek	LIN29	A6-201	A6-200	1139.88	1139.37	611.00	4.00	0.00	0.00	0.00	3.22	18.82	0.96	-9E+99	3.30	41.50	1.89	0.47
Oak Creek	LIN28	A6-202	A6-201	1140.22	1139.88	450.00	4.00	0.00	0.00	0.00	3.17	18.82	0.97	-9E+99	3.14	39.48	1.92	0.48
Oak Creek	LIN31	A6-199	A6-198	1138.90	1138.15	687.00	4.00	0.00	0.00	0.00	3.39	18.82	0.94	-9E+99	3.78	47.46	1.92	0.48
Oak Creek	LIN32	A6-206	A6-205	1141.23	1141.52	325.00	4.00	0.00	-2.19	-15.99	2.19	16.23	1.11	-9E+99	3.41	42.91	2.20	0.55
Oak Creek	LIN36	A6-205	A6-204	1141.52	1141.29	398.00	4.00	0.00	-0.68	-0.55	2.76	16.23	0.97	-9E+99	2.75	34.53	1.91	0.48
Oak Creek	LIN33	A6-207	A6-206	1142.02	1141.23	344.00	4.00	0.00	0.00	0.00	3.04	16.23	0.92	-9E+99	5.48	68.84	2.33	0.58
Oak Creek	LIN35	A6-209	A6-208	1142.11	1142.17	98.00	4.00	0.00	-2.63	-15.68	2.63	15.83	0.98	-9E+99	2.83	35.54	1.89	0.47
Oak Creek	LIN34	A6-208	A6-207	1142.17	1142.02	344.00	4.00	0.00	0.00	0.00	2.92	16.23	0.94	-9E+99	2.39	30.00	1.83	0.46
Oak Creek	LIN40	A6-232	A6-209	1142.35	1142.11	611.00	4.00	0.00	-0.34	-0.19	2.45	15.25	1.00	-9E+99	2.27	28.47	2.00	0.50
Oak Creek	LIN42	A6-233	A6-232	1142.68	1142.35	548.00	4.00	0.00	0.00	0.00	2.53	15.25	0.98	-9E+99	2.81	35.25	2.00	0.50
Oak Creek	LIN41	A6-92	A6-210	1145.46	1145.00	30.10	2.25	0.02	0.00	0.00	0.00	0.00	0.00	-9E+99	9.63	38.28	0.00	0.00
Oak Creek	LIN39	A6-210	A6-209	1145.00	1142.11	37.47	2.25	0.08	0.00	0.00	0.00	0.00	0.07	-9E+99	21.63	86.02	1.95	0.00
Oak Creek	LIN114	AA8-154	AA7-301	1157.06	1156.92	468.00	2.50	0.00	0.00	0.00	2.08	8.73	0.76	-9E+99	1.45	7.09	13.29	5.32
Oak Creek	LIN115	AA8-155	AA8-154	1157.70	1157.06	679.00	2.50	0.00	0.00	0.00	2.42	8.86	0.75	-9E+99	2.57	12.59	13.29	5.32
Oak Creek	LIN117	AA8-157	AA8-156	1158.21	1157.86	439.00	2.50	0.00	0.00	0.00	2.42	9.28	0.76	-9E+99	2.36	11.58	12.94	5.18
Oak Creek	LIN119	AA8-158	AA8-157	1158.58	1158.21	241.00	2.50	0.00	0.00	0.00	2.79	9.76	0.76	-9E+99	3.27	16.07	12.80	5.12

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Oak Creek	LIN118	AA8-159	AA8-158	1158.75	1158.58	422.00	2.50	0.00	-0.48	-0.18	2.29	8.75	0.76	-9E+99	1.68	8.23	12.56	5.02
Oak Creek	LIN120	AA8-160	AA8-159	1159.25	1158.75	595.00	2.50	0.00	0.00	0.00	2.41	9.36	0.75	-9E+99	2.42	11.89	12.56	5.02
Oak Creek	LIN121	AA8-161	AA8-160	1159.66	1159.25	579.00	2.50	0.00	0.00	0.00	2.41	9.76	0.76	-9E+99	2.22	10.91	12.34	4.94
Oak Creek	LIN122	AA8-162	AA8-161	1160.16	1159.66	593.00	2.50	0.00	0.00	0.00	2.50	10.04	0.75	-9E+99	2.43	11.91	12.22	4.89
Oak Creek	LIN116	AA8-156	AA8-155	1157.86	1157.70	351.00	2.50	0.00	0.00	0.00	2.33	9.01	0.76	-9E+99	1.78	8.76	12.94	5.18
Oak Creek	LIN124	AA8-165	AA8-164	1161.15	1160.65	590.00	2.50	0.00	0.00	0.00	2.24	8.44	0.75	-9E+99	2.43	11.94	11.91	4.76
Oak Creek	LIN123	AA8-164	AA8-163	1160.65	1160.41	355.00	2.50	0.00	0.00	0.00	2.42	10.04	0.76	-9E+99	2.17	10.66	11.96	4.78
Oak Creek	LIN125	AA8-166	AA8-165	1161.28	1161.15	198.00	2.50	0.00	-0.25	-0.05	2.28	8.49	0.76	-9E+99	2.14	10.51	11.63	4.65
Oak Creek	LIN126	AA8-167	AA8-166	1169.32	1161.28	422.00	1.50	0.02	0.00	0.00	6.92	8.58	0.45	-9E+99	8.20	14.50	11.57	7.71
Oak Creek	LIN135	AA8-168	AA8-176	1179.97	1176.44	215.00	2.00	0.02	0.00	0.00	7.78	8.59	0.43	-9E+99	9.23	28.99	1.57	0.78
Oak Creek	LIN128	AA8-169	AA8-168	1180.47	1179.97	445.00	2.00	0.00	0.00	0.00	3.45	8.59	0.59	-9E+99	2.41	7.58	1.57	0.79
Oak Creek	LIN130	AA8-171	AA8-170	1181.60	1181.12	424.00	2.00	0.00	0.00	0.00	2.88	8.59	0.61	-9E+99	2.42	7.61	1.81	0.91
Oak Creek	LIN129	AA8-170	AA8-169	1181.12	1180.47	584.00	2.00	0.00	0.00	0.00	2.98	8.59	0.61	-9E+99	2.40	7.55	1.75	0.87
Oak Creek	LIN131	AA8-172	AA8-171	1182.10	1181.60	453.00	2.00	0.00	0.00	0.00	2.61	7.69	0.61	-9E+99	2.39	7.52	1.81	0.91
Oak Creek	LIN132	AA8-173	AA8-172	1182.65	1182.10	491.00	2.00	0.00	0.00	0.00	2.67	7.69	0.61	-9E+99	2.41	7.57	1.78	0.89
Oak Creek	LIN133	AA8-174	AA8-173	1183.33	1182.65	519.00	2.00	0.00	0.00	0.00	2.81	7.69	0.61	-9E+99	2.61	8.19	1.74	0.87
Oak Creek	LIN127	AA8-175	AA8-167	1174.99	1169.32	336.00	1.50	0.02	0.00	0.00	7.30	8.58	0.45	-9E+99	7.72	13.65	6.08	4.06
Oak Creek	LIN134	AA8-176	AA8-175	1176.44	1174.99	62.00	1.50	0.02	0.00	0.00	8.27	8.58	0.45	-9E+99	9.09	16.06	2.61	1.74
Oak Creek	LIN136	AA8-163	AA8-162	1160.41	1160.16	369.00	2.50	0.00	0.00	0.00	2.45	10.04	0.76	-9E+99	2.17	10.68	12.02	4.81
Oak Creek	LIN137	A8-278	AA8-174	1184.32	1183.33	330.00	1.50	0.00	0.00	0.00	2.98	4.50	0.45	-9E+99	3.26	5.75	1.64	1.10
Oak Creek	LIN138	A8-279	A8-278	1184.82	1184.32	416.00	1.50	0.00	0.00	0.00	2.63	4.50	0.45	-9E+99	2.06	3.64	1.43	0.95
UNK	LBS-2	D1S-900	D0-168-2	1278.80	1247.85	4761.00	2.00	0.01	0.00	0.00	4.85	4.67	0.38	-9E+99	5.81	18.24	0.74	0.37
UNK	LBS-1	D1S-905	D1S-900	1283.29	1278.80	1361.00	1.50	0.00	0.00	0.00	3.37	3.84	0.42	-9E+99	3.41	6.03	0.95	0.63
Lynn Creek	LH4	B7-334	B7-333	1144.57	1142.29	272.54	2.50	0.01	0.00	0.00	5.95	8.27	0.46	-9E+99	7.64	37.52	0.97	0.39
Lynn Creek	LH2	B7-332	B7-331	1141.00	1138.84	534.40	2.50	0.00	0.00	0.00	4.79	9.36	0.55	-9E+99	5.31	26.08	1.06	0.42
Lynn Creek	LH1	B7-331	B6-271	1138.84	1136.14	541.47	2.50	0.00	0.00	0.00	5.07	9.36	0.54	-9E+99	5.90	28.96	1.25	0.50
Lynn Creek	LH3	B7-333	B7-332	1142.29	1141.00	314.23	2.50	0.00	0.00	0.00	4.66	8.27	0.53	-9E+99	5.35	26.28	1.06	0.42
Lynn Creek	LH5	B7-337	B7-336	1153.46	1151.00	457.22	2.50	0.01	0.00	0.00	5.13	8.27	0.50	-9E+99	6.13	30.09	0.92	0.37
Lynn Creek	LH7	B7-336	B7-335	1151.00	1147.59	500.00	2.50	0.01	0.00	0.00	5.64	8.27	0.47	-9E+99	6.90	33.87	0.90	0.36
Lynn Creek	LH6	B7-335	B7-334	1147.59	1144.57	514.46	2.50	0.01	0.00	0.00	5.25	8.27	0.49	-9E+99	6.40	31.43	0.90	0.36
Lynn Creek	LH8	B7-338	B7-337	1155.40	1153.76	397.78	2.50	0.00	0.00	0.00	4.30	5.79	0.45	-9E+99	5.37	26.34	0.80	0.32
Lynn Creek	LH10	B7-340	B7-339	1162.57	1159.80	500.00	2.00	0.01	0.00	0.00	4.68	5.79	0.44	-9E+99	5.36	16.84	0.85	0.42
Lynn Creek	LH9	B7-339	B7-338	1159.80	1155.40	500.00	2.00	0.01	0.00	0.00	5.66	5.79	0.40	-9E+99	6.76	21.22	0.80	0.40
Lynn Creek	LH13	B7-342	B7-435	1171.00	1167.60	304.00	1.75	0.01	0.00	0.00	5.78	5.79	0.40	-9E+99	6.97	16.76	0.79	0.45
Lynn Creek	LH11	B7-343	B7-342	1171.57	1171.00	450.00	1.75	0.00	0.00	0.00	3.06	5.79	0.52	-9E+99	2.34	5.64	1.35	0.77
Lynn Creek	LH14	B7-435	B7-341	1167.60	1163.07	103.00	1.75	0.04	0.00	0.00	8.37	5.79	0.31	-9E+99	13.82	33.23	1.29	0.74
Lynn Creek	LH12	B7-341	B7-340	1163.07	1162.57	503.00	2.00	0.00	0.00	0.00	2.83	5.79	0.56	-9E+99	2.27	7.13	1.29	0.64
Lynn Creek	LH16	A8-17	A8-16	1196.44	1195.33	260.00	1.50	0.00	0.00	0.00	3.47	2.26	0.32	-9E+99	3.88	6.86	0.59	0.40
Lynn Creek	LH19	A8-11	A8-10	1190.66	1187.84	430.00	1.50	0.01	0.00	0.00	4.85	5.39	0.42	-9E+99	4.81	8.51	0.93	0.62
Lynn Creek	LH15	A8-13	A8-11	1193.02	1190.66	440.00	1.50	0.01	0.00	0.00	4.71	5.39	0.42	-9E+99	4.35	7.69	0.93	0.62
Lynn Creek	LH17	A8-16	A8-86	1195.33	1194.22	251.00	1.50	0.00	0.00	0.00	3.28	2.26	0.33	-9E+99	3.95	6.99	0.88	0.59
Lynn Creek	LH18	A8-86	A8-13	1194.22	1193.02	190.00	1.50	0.01	0.00	0.00	4.97	5.39	0.41	-9E+99	4.72	8.35	0.93	0.62
Lynn Creek	LH27	A8-10	A8-159	1187.84	1185.24	186.00	1.50	0.01	0.00	0.00	6.62	5.39	0.36	-9E+99	7.03	12.42	0.82	0.54
Lynn Creek	LH21	A8-2	B8-69	1175.04	1174.25	320.00	1.75	0.00	0.00	0.00	3.48	5.39	0.49	-9E+99	3.27	7.87	1.11	0.63
Lynn Creek	LH20	A8-5	A8-2	1177.01	1175.04	330.00	1.75	0.01	0.00	0.00	4.73	5.39	0.42	-9E+99	5.09	12.24	1.07	0.61
Lynn Creek	LH22	A8-6	A8-5	1178.38	1177.01	319.00	1.75	0.00	0.00	0.00	4.28	5.39	0.45	-9E+99	4.32	10.38	0.92	0.53
Lynn Creek	LH23	A8-7	A8-6	1179.60	1178.38	276.00	1.75	0.00	0.00	0.00	4.38	5.39	0.44	-9E+99	4.38	10.53	0.92	0.53
Lynn Creek	LH24	A8-8	A8-7	1181.74	1179.60	222.00	1.50	0.01	0.00	0.00	5.77	5.39	0.38	-9E+99	5.84	10.31	0.89	0.59
Lynn Creek	LH25	A8-140	A8-8	1183.45	1181.74	200.00	1.50	0.01	0.00	0.00	5.60	5.39	0.39	-9E+99	5.50	9.71	0.81	0.54

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Lynn Creek	LH26	A8-159	A8-140	1185.24	1183.45	223.00	1.50	0.01	0.00	0.00	5.49	5.39	0.39	-9E+99	5.33	9.41	0.82	0.54
Lynn Creek	LH30	B8-67	B7-343	1172.00	1171.57	330.00	1.75	0.00	0.00	0.00	2.71	5.39	0.53	-9E+99	2.38	5.72	1.35	0.77
Lynn Creek	LH28	B8-68	B8-67	1173.12	1172.00	506.00	1.75	0.00	0.00	0.00	3.19	5.39	0.51	-9E+99	3.10	7.45	1.35	0.77
Lynn Creek	LH29	B8-69	B8-68	1174.25	1173.12	504.00	1.75	0.00	0.00	0.00	3.35	5.39	0.50	-9E+99	3.12	7.50	1.15	0.66
Little Salt	LSAM25	C6-375	C6-313	1137.70	1137.49	167.70	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.10	3.72	0.00	0.00
Little Salt	LSAM27	C6-313	C6-262	1137.49	1136.96	361.20	1.50	0.00	0.00	0.00	0.00	0.00	0.01	-9E+99	2.28	4.02	0.18	0.00
Little Salt	LSAM28	C6-262	C6-352	1136.96	1136.44	361.90	1.50	0.00	-0.02	0.00	0.12	0.01	0.33	-9E+99	2.25	3.98	0.70	0.47
Little Salt	LSAM29	C6-352	C6-230	1136.44	1135.88	376.30	1.50	0.00	0.03	0.02	0.11	-0.24	0.45	-9E+99	2.29	4.05	1.26	0.84
Little Salt	LSAM30	C6-230	C6-195	1135.88	1135.62	181.40	1.50	0.00	0.02	0.03	0.15	-0.53	0.45	-9E+99	2.25	3.98	1.52	1.01
Little Salt	LSAM1	C6-195	C6-194	1135.62	1134.15	369.79	3.00	0.00	0.00	0.00	5.66	20.76	0.76	-9E+99	5.95	42.05	1.78	0.59
Little Salt	LSAM18	C6-194	C6-399	1134.15	1133.20	370.00	3.00	0.00	0.00	0.00	4.68	20.76	0.83	-9E+99	4.78	33.80	2.00	0.67
Little Salt	LSAM152	C6-194	C6-193	1150.25	1133.69	357.70	3.00	0.05	0.00	0.00	0.00	0.00	0.00	-9E+99	20.30	143.51	0.00	0.00
Little Salt	LSAM2	C6-388	C6-195	1135.97	1135.62	346.40	2.50	0.00	0.00	0.00	4.37	19.02	0.75	-9E+99	2.66	13.04	2.15	0.86
Little Salt	LSAM3	C6-197	C6-388	1136.88	1135.97	374.80	2.50	0.00	0.00	0.00	4.43	19.02	0.76	-9E+99	4.12	20.21	2.15	0.86
Little Salt	LSAM5	C6-134	C6-199	1140.17	1138.82	312.00	2.25	0.00	0.00	0.00	5.82	18.42	0.68	-9E+99	5.12	20.37	1.68	0.75
Little Salt	LSAM7	C6-95	C6-105	1152.95	1151.76	455.00	2.25	0.00	0.00	0.00	4.55	15.21	0.68	-9E+99	3.98	15.84	1.77	0.79
Little Salt	LSAM6	C6-89	C6-95	1153.70	1152.95	381.70	2.25	0.00	0.00	0.00	4.07	14.11	0.68	-9E+99	3.45	13.73	1.84	0.82
Little Salt	LSAM16	C6-101	C6-107	1150.82	1149.33	420.40	2.50	0.00	0.00	0.00	5.42	18.42	0.72	-9E+99	4.97	24.42	1.67	0.67
Little Salt	LSAM8	C6-105	C6-101	1151.76	1150.82	361.50	2.25	0.00	0.00	0.00	4.64	15.21	0.68	-9E+99	3.97	15.79	1.74	0.78
Little Salt	LSAM9	C6-132	C6-134	1141.67	1140.17	346.00	2.25	0.00	0.00	0.00	5.80	18.42	0.68	-9E+99	5.13	20.39	1.68	0.75
Little Salt	LSAM10	C6-131	C6-132	1143.24	1141.67	366.00	2.25	0.00	0.00	0.00	5.78	18.42	0.68	-9E+99	5.10	20.28	1.68	0.75
Little Salt	LSAM11	C6-127	C6-131	1144.83	1143.24	355.00	2.25	0.00	0.00	0.00	5.86	18.42	0.68	-9E+99	5.21	20.73	1.68	0.75
Little Salt	LSAM12	C6-126	C6-127	1146.20	1144.83	316.70	2.25	0.00	0.00	0.00	5.81	18.42	0.68	-9E+99	5.12	20.37	1.68	0.75
Little Salt	LSAM13	C6-56	C6-89	1154.44	1153.70	366.10	2.25	0.00	0.00	0.00	4.02	14.11	0.68	-9E+99	3.50	13.92	1.86	0.83
Little Salt	LSAM14	C6-49	C6-56	1155.19	1154.44	382.00	2.25	0.00	0.00	0.00	3.97	14.11	0.68	-9E+99	3.45	13.72	1.89	0.84
Little Salt	LSAM15	C6-351	C6-49	1156.28	1155.19	531.70	2.25	0.00	0.00	0.00	4.00	14.11	0.68	-9E+99	3.53	14.02	1.89	0.84
Little Salt	LSAM17	C6-107	C6-126	1149.33	1146.20	720.21	2.25	0.00	0.00	0.00	5.81	18.42	0.68	-9E+99	5.13	20.42	1.68	0.75
Little Salt	LSAM20	C6-400	C6-406	1132.70	1132.04	350.22	3.00	0.00	0.00	0.00	4.23	20.76	0.87	-9E+99	4.10	28.95	2.05	0.69
Little Salt	LSAM19	C6-399	C6-400	1133.20	1132.70	335.00	3.00	0.00	0.00	0.00	4.15	20.76	0.87	-9E+99	3.65	25.77	2.00	0.67
Little Salt	LSAM21	C6-406	C6-407	1132.04	1131.60	433.39	3.00	0.00	0.00	0.00	4.13	20.76	0.87	-9E+99	3.01	21.25	2.05	0.69
Little Salt	LSAM22	C6-407	C6-450	1131.60	1130.13	416.33	3.00	0.00	0.00	0.00	5.18	20.76	0.79	-9E+99	5.61	39.63	2.07	0.69
Little Salt	LSAM31	C6-452	C6-334	1138.42	1137.95	330.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.24	3.96	0.00	0.00
Little Salt	LSAM26	C6-334	C6-375	1137.95	1137.70	148.30	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.44	4.31	0.00	0.00
Little Salt	LSAM4	C6-199	C6-197	1138.82	1136.88	375.00	2.25	0.01	0.00	0.00	5.83	18.42	0.67	-9E+99	5.60	22.28	2.03	0.90
Little Salt	LSAM23	C6-480	C6-351	1156.72	1156.28	354.00	2.25	0.00	0.00	0.00	3.68	14.11	0.68	-9E+99	2.75	10.92	2.11	0.94
Little Salt	LSAM127	D5-46	D5-51	1183.96	1182.37	371.00	1.75	0.00	0.00	0.00	4.79	8.35	0.51	-9E+99	4.31	10.37	1.20	0.68
Little Salt	LSAM116	D5-324	D5-325	1160.20	1159.43	492.00	2.25	0.00	0.00	0.00	3.54	14.12	0.68	-9E+99	3.08	12.25	2.96	1.32
Little Salt	LSAM117	D5-325	D5-326	1159.43	1158.66	485.00	2.25	0.00	0.00	0.00	3.55	14.12	0.68	-9E+99	3.10	12.34	2.72	1.21
Little Salt	LSAM118	D5-326	D5-339	1158.66	1157.90	493.00	2.25	0.00	0.00	0.00	3.57	14.11	0.68	-9E+99	3.06	12.16	2.56	1.14
Little Salt	LSAM140	D5-339	D5-513	1157.90	1157.18	359.00	2.25	0.00	0.00	0.00	3.61	14.11	0.68	-9E+99	3.49	13.87	2.38	1.06
Little Salt	LSAM129	D5-153	D5-386	1167.61	1167.34	89.00	2.00	0.00	0.00	0.00	4.64	12.68	0.61	-9E+99	3.97	12.46	3.21	1.60
Little Salt	LSAM119	D5-152	D5-153	1169.22	1167.61	221.00	1.75	0.01	0.00	0.00	5.71	10.80	0.52	-9E+99	5.62	13.52	3.21	1.83
Little Salt	LSAM125	D5-151	D5-152	1171.48	1169.22	371.00	1.75	0.01	0.00	0.00	5.78	10.80	0.53	-9E+99	5.14	12.37	2.62	1.50
Little Salt	LSAM124	D5-122	D5-483	1173.72	1172.70	164.00	1.75	0.01	0.00	0.00	5.82	10.81	0.53	-9E+99	5.20	12.50	1.59	0.91
Little Salt	LSAM120	D5-121	D5-122	1176.14	1173.72	396.00	1.75	0.01	0.00	0.00	5.80	10.82	0.52	-9E+99	5.15	12.39	1.35	0.77
Little Salt	LSAM121	D5-119	D5-121	1177.60	1176.14	348.00	1.75	0.00	0.00	0.00	4.69	8.35	0.52	-9E+99	4.27	10.26	1.27	0.73
Little Salt	LSAM122	D5-67	D5-119	1179.19	1177.60	372.00	1.75	0.00	0.00	0.00	4.78	8.35	0.51	-9E+99	4.31	10.36	1.21	0.69
Little Salt	LSAM123	D5-483	D5-151	1172.70	1171.48	200.00	1.75	0.01	0.00	0.00	5.78	10.81	0.53	-9E+99	5.15	12.38	2.00	1.15
Little Salt	LSAM126	D5-63	D5-67	1180.78	1179.19	409.00	1.75	0.00	0.00	0.00	4.60	8.35	0.52	-9E+99	4.11	9.88	1.24	0.71

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM128	D5-51	D5-63	1182.37	1180.78	343.00	1.75	0.00	0.00	0.00	4.88	8.35	0.51	-9E+99	4.49	10.79	1.24	0.71
Little Salt	LSAM136	D5-386	D5-434	1167.34	1166.85	95.00	2.00	0.01	0.00	0.00	4.67	12.68	0.61	-9E+99	5.17	16.25	3.40	1.70
Little Salt	LSAM130	D5-213	D5-210	1166.57	1165.43	271.00	2.00	0.00	0.00	0.00	4.48	12.68	0.60	-9E+99	4.67	14.67	3.46	1.73
Little Salt	LSAM134	D5-210	D5-482	1165.43	1165.36	153.00	2.00	0.00	0.00	0.00	4.19	13.22	0.61	-9E+99	1.54	4.84	3.46	1.73
Little Salt	LSAM131	D5-276	D5-324	1161.98	1160.20	478.00	2.00	0.00	0.00	0.00	4.55	13.22	0.60	-9E+99	4.39	13.80	2.96	1.48
Little Salt	LSAM132	D5-275	D5-276	1163.32	1161.98	417.00	2.00	0.00	0.00	0.00	4.64	13.22	0.61	-9E+99	4.08	12.82	2.88	1.44
Little Salt	LSAM133	D5-209	D5-275	1164.60	1163.32	402.00	2.00	0.00	0.00	0.00	4.63	13.22	0.61	-9E+99	4.06	12.77	2.97	1.48
Little Salt	LSAM135	D5-482	D5-209	1165.36	1164.60	237.00	2.00	0.00	0.00	0.00	4.64	13.22	0.61	-9E+99	4.08	12.81	3.01	1.50
Little Salt	LSAM137	D5-434	D5-213	1166.85	1166.57	165.00	2.00	0.00	0.00	0.00	4.12	12.68	0.61	-9E+99	2.97	9.32	3.40	1.70
Little Salt	LSAM24	D5-513	C6-480	1157.18	1156.72	366.00	2.25	0.00	0.00	0.00	3.48	14.11	0.68	-9E+99	2.76	10.98	2.38	1.06
Little Salt	LSAM138	D5-414	D5-121	1177.07	1176.14	400.00	1.50	0.00	0.02	0.00	0.31	-0.31	0.43	-9E+99	2.87	5.07	1.27	0.85
Little Salt	LSAM139	D5-62	D5-414	1185.64	1184.94	47.00	1.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	7.25	12.82	-7.53	0.00
Little Salt	LSAM115	D5-45	D5-46	1184.49	1183.96	108.00	1.75	0.00	0.00	0.00	4.95	8.35	0.51	-9E+99	4.61	11.10	1.20	0.68
Little Salt	LSAM111	D5-16	D5-45	1191.17	1189.00	372.00	1.50	0.01	0.00	0.00	5.13	7.60	0.45	-9E+99	4.54	8.02	1.18	0.79
Little Salt	LSAM112	D5-17	D5-16	1193.34	1191.17	373.00	1.50	0.01	0.00	0.00	5.14	7.60	0.46	-9E+99	4.53	8.01	1.18	0.79
Little Salt	LSAM113	D5-417	D5-17	1194.94	1193.34	273.00	1.50	0.01	0.00	0.00	5.17	7.60	0.45	-9E+99	4.55	8.04	1.17	0.78
Little Salt	LSAM114	D4-481	D5-417	1195.50	1194.94	134.00	1.50	0.00	0.00	0.00	4.69	7.60	0.46	-9E+99	3.84	6.79	1.31	0.87
Little Salt	LSAM103	D4-482	D4-481	1197.90	1195.50	397.00	1.50	0.01	0.00	0.00	5.10	7.42	0.45	-9E+99	4.62	8.17	1.31	0.87
Little Salt	LSAM104	D4-483	D4-482	1198.17	1197.90	44.00	1.50	0.01	0.00	0.00	5.21	7.42	0.45	-9E+99	4.66	8.23	1.14	0.76
Little Salt	LSAM105	D4-484	D4-483	1200.52	1198.17	394.00	1.50	0.01	0.00	0.00	5.20	7.42	0.45	-9E+99	4.59	8.11	1.13	0.75
Little Salt	LSAM106	D4-485	D4-484	1202.83	1200.52	238.00	1.50	0.01	0.00	0.00	6.16	7.42	0.43	-9E+99	5.86	10.35	1.13	0.75
Little Salt	LSAM107	D4-486	D4-485	1204.97	1202.83	432.00	1.50	0.00	0.00	0.00	4.68	7.42	0.45	-9E+99	4.18	7.39	1.31	0.87
Little Salt	LSAM108	D4-462	D4-486	1208.35	1204.97	307.00	1.50	0.01	0.00	0.00	5.86	5.80	0.39	-9E+99	6.24	11.02	1.31	0.87
Little Salt	LSAM110	D4-262	D4-463	1215.00	1212.19	291.00	1.50	0.01	0.00	0.00	5.59	4.47	0.36	-9E+99	5.84	10.32	0.73	0.49
Little Salt	LSAM109	D4-463	D4-462	1212.19	1208.35	485.00	1.50	0.01	0.00	0.00	5.19	4.47	0.37	-9E+99	5.29	9.35	0.77	0.52
Little Salt	LSAM44	B9-21	B9-22	1136.06	1134.14	235.00	2.25	0.01	0.00	0.00	4.97	3.99	0.34	-9E+99	7.04	27.99	0.58	0.26
Little Salt	LSAM40	B9-39	C9-4	1132.26	1131.41	118.00	2.50	0.01	0.00	0.00	3.72	3.99	0.43	-9E+99	7.09	34.81	1.55	0.62
Little Salt	LSAM45	B9-22	B9-39	1134.14	1132.26	250.00	2.25	0.01	0.00	0.00	4.74	3.99	0.35	-9E+99	6.75	26.86	0.69	0.31
Little Salt	LSAM46	B9-20	B9-21	1137.95	1136.06	170.00	2.25	0.01	0.00	0.00	5.50	3.99	0.32	-9E+99	8.21	32.66	0.57	0.26
Little Salt	LSAM47	B9-19	B9-52	1141.45	1139.74	173.00	2.25	0.01	0.00	0.00	5.33	3.99	0.32	-9E+99	7.74	30.79	0.55	0.25
Little Salt	LSAM48	B9-52	B9-20	1139.74	1137.95	179.00	2.25	0.01	0.00	0.00	5.31	3.99	0.32	-9E+99	7.79	30.97	0.55	0.25
Little Salt	LSAM49	B9-17	B9-18	1147.31	1145.00	412.00	2.25	0.01	0.00	0.00	4.16	3.99	0.37	-9E+99	5.83	23.19	0.67	0.30
Little Salt	LSAM50	B9-18	B9-19	1145.00	1141.45	350.00	2.25	0.01	0.00	0.00	5.39	3.99	0.32	-9E+99	7.84	31.19	0.55	0.24
Little Salt	LSAM51	B9-14	B9-15	1156.46	1153.83	438.00	2.25	0.01	0.00	0.00	4.46	3.99	0.36	-9E+99	6.04	24.00	0.63	0.28
Little Salt	LSAM53	B9-15	B9-16	1153.83	1150.17	650.00	2.25	0.01	0.00	0.00	4.37	3.99	0.36	-9E+99	5.84	23.24	0.63	0.28
Little Salt	LSAM52	B9-16	B9-17	1150.17	1147.31	509.00	2.25	0.01	0.00	0.00	4.33	3.99	0.37	-9E+99	5.84	23.22	0.67	0.30
Little Salt	LSAM55	B9-70	B9-14	1161.35	1156.46	401.00	1.50	0.01	0.00	0.00	5.93	3.99	0.32	-9E+99	6.56	11.60	0.62	0.41
Little Salt	LSAM54	B9-69	B9-70	1164.99	1161.35	412.00	1.50	0.01	0.00	0.00	5.13	3.99	0.35	-9E+99	5.59	9.87	0.69	0.46
Little Salt	LSAM56	B9-68	B9-69	1169.02	1164.99	497.00	1.50	0.01	0.00	0.00	5.12	3.99	0.35	-9E+99	5.35	9.46	0.69	0.46
Little Salt	LSAM60	B9-71	B9-68	1174.17	1169.02	567.00	1.50	0.01	0.00	0.00	5.32	3.99	0.34	-9E+99	5.67	10.01	0.68	0.45
Little Salt	LSAM57	B9-72	B9-71	1182.83	1174.17	343.00	1.50	0.03	0.00	0.00	7.41	3.99	0.29	-9E+99	9.45	16.69	0.66	0.44
Little Salt	LSAM58	B9-74	B9-73	1185.45	1183.99	507.00	1.50	0.00	0.00	0.00	3.41	3.99	0.43	-9E+99	3.19	5.64	1.01	0.67
Little Salt	LSAM59	B9-73	B9-72	1183.99	1182.83	400.00	1.50	0.00	0.00	0.00	3.35	3.99	0.42	-9E+99	3.20	5.66	1.01	0.67
Little Salt	LSAM62	D9-73	D9-74	1111.18	1110.90	510.00	5.00	0.00	-1.48	-5.78	2.32	37.13	1.85	-9E+99	3.11	61.02	4.02	0.80
Little Salt	LSAM63	D9-74	D9-75	1110.90	1110.62	510.00	5.00	0.00	-1.85	-8.07	2.22	37.14	1.87	-9E+99	3.11	61.02	4.20	0.84
Little Salt	LSAM64	D9-75	D9-76	1110.62	1110.34	510.00	5.00	0.00	2.00	-11.16	2.13	37.16	1.87	-9E+99	3.11	61.02	4.38	0.88
Little Salt	LSAM71	D9-76	D9-77	1110.34	1110.27	520.00	5.00	0.00	2.05	-15.70	2.06	37.18	1.87	-9E+99	1.54	30.22	4.38	0.88
Stevens Creek	LSAM65	D9-101	D9-102	1110.95	1110.57	939.00	7.00	0.00	-1.34	-8.20	4.28	122.84	2.87	-9E+99	3.34	128.51	4.91	0.70
Stevens Creek	LSAM66	D9-100	D9-101	1111.33	1110.95	939.00	7.00	0.00	-1.60	-8.20	3.93	114.20	2.88	-9E+99	3.34	128.51	4.95	0.71

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Stevens Creek	LSAM67	D9-99	D9-100	1111.71	1111.33	939.00	7.00	0.00	-0.15	-0.31	3.90	114.21	2.89	-9E+99	3.34	128.51	4.99	0.71
Stevens Creek	LSAM68	D9-98	D9-99	1112.09	1111.71	451.34	6.00	0.00	0.00	0.00	4.59	114.21	2.44	-9E+99	4.35	122.89	4.99	0.83
Stevens Creek	LSAM72	D9-103	D9-JNC	1110.48	1110.25	81.36	5.00	0.00	-3.41	-14.65	6.93	124.42	1.87	-9E+99	7.05	138.47	4.36	0.87
Stevens Creek	LSAM70	D9-102	D9-103	1110.57	1110.48	254.00	5.00	0.00	-3.11	-13.56	6.50	124.42	1.83	-9E+99	2.50	49.02	4.76	0.95
Little Salt	LSAM73	D9-77	D9-JNC	1110.27	1110.25	77.00	5.00	0.00	1.99	-19.97	2.08	37.19	1.87	-9E+99	2.14	41.97	4.36	0.87
Stevens Creek	LSAM74	D9-JNC	D9-WWTP	1110.25	1110.00	410.00	5.00	0.00	-4.08	-37.74	9.30	161.23	1.82	-9E+99	3.28	64.31	4.36	0.87
Little Salt	LSAM75	D9-84	D9-32	1128.13	1127.47	437.30	2.00	0.00	0.00	0.00	2.72	3.94	0.48	-9E+99	2.80	8.79	0.94	0.47
Little Salt	LSAM76	D9-32	D9-31	1127.47	1126.81	440.00	2.00	0.00	0.00	0.00	2.71	3.94	0.48	-9E+99	2.79	8.76	0.94	0.47
Little Salt	LSAM77	D9-31	D9-30	1126.81	1126.15	440.00	2.00	0.00	0.00	0.00	2.70	3.94	0.48	-9E+99	2.79	8.76	0.95	0.48
Little Salt	LSAM78	D9-30	D9-29	1126.15	1125.49	440.00	2.00	0.00	0.00	0.00	2.74	3.94	0.48	-9E+99	2.79	8.76	0.95	0.48
Little Salt	LSAM90	D9-29	D9-12	1125.49	1124.00	427.00	2.00	0.00	0.00	0.00	3.69	3.94	0.41	-9E+99	4.25	13.36	0.75	0.38
Little Salt	LSAM79	D9-64	D9-65	1112.44	1112.11	492.58	5.00	0.00	-0.51	-0.62	2.46	32.33	1.66	-9E+99	3.43	67.41	3.41	0.68
Little Salt	LSAM80	D9-65	D9-66	1112.11	1112.07	382.42	5.00	0.00	-0.40	-0.52	2.36	33.18	1.73	-9E+99	1.36	26.64	3.41	0.68
Little Salt	LSAM81	D9-66	D9-67	1112.07	1111.88	425.00	5.00	0.00	-0.44	-0.90	2.41	33.19	1.71	-9E+99	2.80	55.07	3.43	0.69
Little Salt	LSAM94	D9-67	D9-69	1111.88	1111.60	223.00	5.00	0.00	-0.79	-1.36	2.35	33.20	1.74	-9E+99	4.70	92.29	3.67	0.73
Little Salt	LSAM95	D9-68	D9-70	1122.40	1111.47	167.00	2.00	0.07	0.00	0.00	8.26	4.63	0.24	-9E+99	18.42	57.87	3.76	1.88
Little Salt	LSAM82	D9-63	D9-64	1112.64	1112.44	500.00	5.00	0.00	-0.33	-0.16	2.51	32.32	1.63	-9E+99	2.65	52.09	3.20	0.64
Little Salt	LSAM83	D9-62	D9-63	1112.84	1112.64	500.00	5.00	0.00	0.00	0.00	2.54	32.32	1.61	-9E+99	2.65	52.09	3.15	0.63
Little Salt	LSAM84	D9-61	D9-62	1113.04	1112.84	550.00	5.00	0.00	0.00	0.00	2.56	32.31	1.60	-9E+99	2.53	49.66	3.10	0.62
Little Salt	LSAM85	D9-60	D9-61	1113.24	1113.04	550.00	5.00	0.00	0.00	0.00	2.58	32.31	1.58	-9E+99	2.53	49.66	3.07	0.61
Little Salt	LSAM86	D9-59	D9-60	1113.44	1113.24	565.66	5.00	0.00	0.00	0.00	2.59	32.31	1.58	-9E+99	2.49	48.97	3.05	0.61
Little Salt	LSAM87	D9-58	D9-59	1113.60	1113.49	284.34	5.00	0.00	0.00	0.00	2.66	32.31	1.55	-9E+99	2.61	51.23	2.98	0.60
Little Salt	LSAM88	D9-71	D9-72	1111.43	1111.22	394.16	5.00	0.00	-1.42	-4.15	2.41	37.11	1.82	-9E+99	3.06	60.12	3.82	0.76
Little Salt	LSAM61	D9-72	D9-73	1111.22	1111.18	70.71	5.00	0.00	-2.00	-4.72	2.34	37.12	1.84	-9E+99	3.15	61.94	3.85	0.77
Little Salt	LSAM89	D9-78	D9-68	1123.90	1122.40	289.00	2.00	0.01	0.00	0.00	3.97	3.94	0.38	-9E+99	5.19	16.30	0.75	0.38
Little Salt	LSAM91	D9-12	D9-78	1124.00	1123.90	30.00	2.00	0.00	0.00	0.00	3.65	3.94	0.41	-9E+99	4.16	13.06	0.75	0.38
Little Salt	LSAM92	D9-85	D9-58	1113.75	1113.60	319.79	5.00	0.00	0.00	0.00	2.69	32.31	1.53	-9E+99	2.87	56.41	2.97	0.59
Little Salt	LSAM96	D9-70	D9-71	1111.47	1111.43	390.00	5.00	0.00	-1.37	-3.10	2.37	37.10	1.83	-9E+99	1.34	26.38	3.76	0.75
Little Salt	LSAM93	D9-69	D9-70	1111.60	1111.47	203.00	5.00	0.00	-1.07	-2.08	2.18	33.20	1.81	-9E+99	3.36	65.91	3.76	0.75
Little Salt	LSAM97	C9-7	C9-6	1114.85	1114.50	506.00	4.50	0.00	0.00	0.00	3.55	32.31	1.24	-9E+99	3.25	51.72	2.51	0.56
Little Salt	LSAM98	C9-8	C9-7	1115.21	1114.85	498.00	4.50	0.00	0.00	0.00	3.52	32.32	1.25	-9E+99	3.32	52.87	2.52	0.56
Little Salt	LSAM99	C9-9	C9-8	1115.39	1115.21	51.00	4.50	0.00	0.00	0.00	3.79	32.32	1.18	-9E+99	7.35	116.83	2.52	0.56
Little Salt	LSAM101	C9-10	C9-9	1115.57	1115.39	510.00	4.50	0.00	0.00	0.00	3.44	32.32	1.27	-9E+99	2.32	36.94	2.59	0.58
Little Salt	LSAM102	C9-6	D9-85	1114.50	1114.25	337.00	4.50	0.00	0.00	0.00	3.64	32.31	1.22	-9E+99	3.37	53.56	2.46	0.55
Little Salt	LSAM32	C9-4	C9-3	1131.41	1131.33	150.00	3.00	0.00	0.00	0.00	2.17	6.78	0.77	-9E+99	2.18	15.40	1.58	0.53
Little Salt	LSAM34	C9-3	C9-2	1131.33	1131.09	456.00	3.00	0.00	0.00	0.00	1.92	6.78	0.78	-9E+99	2.16	15.30	1.67	0.56
Little Salt	LSAM33	C9-1	C8-16	1130.84	1130.52	458.00	3.00	0.00	0.00	0.00	2.29	9.25	0.80	-9E+99	2.49	17.63	1.74	0.58
Little Salt	LSAM35	C9-2	C9-1	1131.09	1130.84	475.00	3.00	0.00	0.00	0.00	2.29	9.25	0.80	-9E+99	2.16	15.30	1.67	0.56
Little Salt	LSAM43	C9-14	C9-23	1132.63	1132.35	367.00	2.00	0.00	0.00	0.00	2.01	2.47	0.44	-9E+99	1.99	6.25	0.84	0.42
Little Salt	LSAM38	C9-12	C9-13	1134.03	1133.07	374.00	1.50	0.00	0.00	0.00	2.84	2.47	0.37	-9E+99	3.01	5.32	0.86	0.57
Little Salt	LSAM37	C9-13	C9-14	1133.07	1132.63	543.00	2.00	0.00	0.00	0.00	1.92	2.47	0.45	-9E+99	2.05	6.44	0.86	0.43
Little Salt	LSAM36	C9-23	C9-2	1132.35	1131.09	427.00	2.00	0.00	0.00	0.00	2.49	2.47	0.41	-9E+99	3.91	12.29	1.67	0.84
Little Salt	LSAM39	C9-52	C8-16	1132.37	1130.52	288.00	1.50	0.01	0.00	0.00	0.00	0.00	0.05	-9E+99	4.76	8.42	1.74	0.00
Little Salt	LSAM41	C9-51	C9-52	1132.79	1132.37	349.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.06	3.64	0.00	0.00
Little Salt	LSAM42	C9-50	C9-51	1133.38	1132.79	493.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.06	3.63	0.00	0.00
Little Salt	LSAM151	C6-180	C6-177	1129.36	1128.85	328.00	3.00	0.00	0.00	0.00	3.09	8.81	0.67	-9E+99	3.72	26.30	1.39	0.46
Little Salt	LSAM141	C6-181	C6-180	1129.82	1129.36	378.90	3.00	0.00	0.00	0.00	3.08	8.81	0.67	-9E+99	3.29	23.24	1.28	0.43
Little Salt	LSAM143	C6-188	C6-187	1131.61	1131.40	118.40	3.00	0.00	0.00	0.00	1.71	0.75	0.21	-9E+99	3.97	28.09	0.34	0.11
Little Salt	LSAM142	C6-302	C6-181	1130.05	1129.82	65.00	3.00	0.00	0.00	0.00	3.30	7.96	0.61	-9E+99	5.61	39.68	1.28	0.43

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM161	C6-186	C6-294	1130.53	1130.58	68.00	3.00	0.00	-0.41	-0.59	0.43	0.75	0.51	-9E+99	2.56	18.09	0.89	0.30
Little Salt	LSAM175	C6-187	C6-186	1131.40	1130.63	100.40	1.00	0.01	0.00	0.00	2.70	0.75	0.20	-9E+99	3.97	3.12	0.79	0.79
Little Salt	LSAM144	C6-189	C6-188	1131.05	1131.61	259.16	3.00	0.00	0.00	0.00	0.01	-0.34	0.48	-9E+99	4.39	31.00	0.90	0.30
Little Salt	LSAM145	C6-190	C6-189	1132.33	1131.61	358.50	3.00	0.00	0.00	0.00	0.00	0.00	0.03	-9E+99	4.23	29.89	0.34	0.00
Little Salt	LSAM146	C6-191	C6-190	1132.77	1132.33	359.50	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.30	23.33	0.00	0.00
Little Salt	LSAM147	C6-192	C6-191	1133.24	1132.77	359.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.41	24.13	0.00	0.00
Little Salt	LSAM148	C6-193	C6-192	1133.69	1133.24	366.80	3.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.31	23.36	0.00	0.00
Little Salt	LSAM174	C6-169	C6-500	1127.00	1126.50	362.80	3.00	0.00	0.00	0.00	3.18	10.28	0.72	-9E+99	3.50	24.76	1.52	0.51
Little Salt	LSAM149	C6-171	C6-169	1127.26	1127.00	198.00	3.00	0.00	0.00	0.00	3.22	10.28	0.71	-9E+99	3.42	24.17	1.41	0.47
Little Salt	LSAM158	C6-393	C6-172	1127.77	1127.55	165.50	3.00	0.00	-0.49	-0.17	3.07	9.40	0.70	-9E+99	3.44	24.32	1.38	0.46
Little Salt	LSAM150	C6-175	C6-393	1128.46	1127.77	530.36	3.00	0.00	0.00	0.00	3.16	9.40	0.69	-9E+99	3.40	24.06	1.34	0.45
Little Salt	LSAM166	C6-177	C6-492	1128.85	1128.75	99.23	3.00	0.00	-0.53	-0.10	2.76	8.81	0.71	-9E+99	3.00	21.17	1.40	0.47
Little Salt	LSAM153	C6-244	C6-349	1127.42	1126.03	400.00	2.50	0.00	0.00	0.00	3.26	6.91	0.57	-9E+99	4.93	24.18	1.97	0.79
Little Salt	LSAM154	C6-245	C6-244	1127.96	1127.42	400.00	2.50	0.00	0.00	0.00	3.09	6.91	0.59	-9E+99	3.07	15.07	1.18	0.47
Little Salt	LSAM155	C6-246	C6-245	1128.52	1127.96	400.00	2.50	0.00	0.00	0.00	3.04	6.91	0.60	-9E+99	3.13	15.35	1.18	0.47
Little Salt	LSAM156	C6-251	C6-252	1129.62	1129.08	400.00	2.50	0.00	0.00	0.00	3.01	6.91	0.60	-9E+99	3.07	15.07	1.19	0.48
Little Salt	LSAM164	C6-431	C6-432	1131.05	1131.05	17.24	2.50	0.00	0.00	0.00	1.67	2.69	0.50	-9E+99	0.26	1.30	0.91	0.36
Little Salt	LSAM157	C6-172	C6-171	1127.55	1127.26	218.69	3.00	0.00	0.00	0.00	3.25	10.28	0.71	-9E+99	3.44	24.29	1.39	0.46
Little Salt	LSAM160	C6-242	C6-499	1131.46	1131.00	450.30	2.50	0.00	0.01	0.01	0.02	-0.11	0.54	-9E+99	2.67	13.11	1.05	0.42
Little Salt	LSAM163	C6-294	C6-184	1130.58	1130.38	139.00	3.00	0.00	0.00	0.00	2.17	3.33	0.49	-9E+99	3.58	25.30	0.94	0.31
Little Salt	L1510	C6-184	C6-302	1130.38	1130.05	365.90	3.00	0.00	-0.30	-0.25	1.71	3.33	0.54	-9E+99	2.83	20.03	1.10	0.37
Little Salt	LSAM165	C6-252	C6-246	1129.08	1128.52	400.00	2.50	0.00	0.00	0.00	3.04	6.91	0.60	-9E+99	3.13	15.35	1.18	0.47
Little Salt	LSAM167	C6-492	C6-175	1128.75	1128.46	328.10	3.00	0.00	0.00	0.00	2.94	9.40	0.71	-9E+99	2.81	19.83	1.40	0.47
Little Salt	LSAM173	C6-500	C6-349	1126.50	1126.03	100.00	3.00	0.00	0.00	0.00	3.83	10.28	0.77	-9E+99	6.47	45.73	1.97	0.66
Little Salt	LSAM159	C6-499	C6-431	1131.00	1131.05	256.00	2.50	0.00	-1.22	-1.92	1.39	2.69	0.55	-9E+99	1.17	5.73	1.00	0.40
Little Salt	LSAM168	C6-499	C6-500	1140.00	1128.00	219.00	2.00	0.05	0.00	0.00	0.00	0.00	0.01	-9E+99	16.86	52.96	0.02	0.00
Little Salt	LSAM169	C6-498	C6-499	1131.36	1131.00	481.00	3.00	0.00	0.00	0.00	1.51	2.69	0.51	-9E+99	2.58	18.25	1.05	0.35
Little Salt	LSAM171	C6-497	C6-498	1131.68	1131.36	434.00	3.00	0.00	0.00	0.00	1.71	2.69	0.48	-9E+99	2.56	18.11	0.88	0.29
Little Salt	LSAM170	C6-496	C6-497	1132.43	1131.68	632.00	3.00	0.00	0.00	0.00	2.08	2.69	0.42	-9E+99	3.25	22.98	0.82	0.27
Little Salt	LSAM172	C6-495	C6-496	1132.75	1132.43	263.00	3.00	0.00	0.00	0.00	2.17	2.69	0.41	-9E+99	3.29	23.27	0.70	0.24
Little Salt	LSAM176	E7-6	E7-7	1163.58	1162.75	427.00	1.50	0.00	0.00	0.00	2.54	2.32	0.38	-9E+99	2.62	4.63	0.85	0.57
Little Salt	LSAM177	E7-7	E7-8	1162.75	1162.19	428.00	1.50	0.00	0.00	0.00	2.25	2.32	0.40	-9E+99	2.15	3.80	0.85	0.57
Little Salt	LSAM178	E7-8	E7-9	1162.19	1161.34	640.00	1.50	0.00	0.00	0.00	2.27	2.32	0.40	-9E+99	2.17	3.83	0.85	0.57
Little Salt	LSAM179	E7-9	E7-10	1161.34	1160.40	521.00	1.50	0.00	0.00	0.00	2.55	2.32	0.38	-9E+99	2.52	4.46	0.77	0.51
Little Salt	LSAM180	E7-10	E7-11	1160.40	1159.81	327.00	1.50	0.00	0.00	0.00	2.55	2.31	0.38	-9E+99	2.52	4.46	0.77	0.51
Little Salt	LSAM181	E7-11	E7-12	1159.81	1159.16	360.00	1.50	0.00	0.00	0.00	2.55	2.31	0.38	-9E+99	2.53	4.46	0.77	0.51
Little Salt	LSAM182	E7-12	E7-13	1159.16	1158.50	365.00	1.50	0.00	0.00	0.00	2.55	2.31	0.38	-9E+99	2.53	4.47	0.77	0.51
Little Salt	LSAM183	E7-13	E7-14	1158.50	1158.10	222.00	1.50	0.00	0.00	0.00	2.55	2.31	0.38	-9E+99	2.52	4.46	0.77	0.51
Little Salt	LSAM184	E7-14	E7-15	1158.10	1156.99	614.00	1.50	0.00	0.00	0.00	2.55	2.31	0.38	-9E+99	2.53	4.47	0.77	0.52
Little Salt	LSAM185	E7-15	E7-16	1156.99	1155.89	609.00	1.50	0.00	0.00	0.00	2.50	2.31	0.38	-9E+99	2.53	4.46	0.85	0.57
Little Salt	LSAM186	E7-16	E7-17	1155.89	1154.83	590.00	1.50	0.00	0.00	0.00	2.44	2.31	0.38	-9E+99	2.52	4.45	0.85	0.57
Little Salt	LSAM187	E7-17	E7-18	1154.83	1151.16	35.00	1.50	0.10	0.00	0.00	8.55	2.31	0.18	-9E+99	19.25	34.01	0.70	0.47
Little Salt	LSAM400	E7-18	D7-458	1151.16	1150.88	110.00	1.50	0.00	0.00	0.00	2.85	2.31	0.36	-9E+99	3.00	5.30	0.72	0.48
Little Salt	LSAM198	D7-451	D7-452	1142.19	1141.53	106.00	1.75	0.01	0.00	0.00	3.29	2.31	0.32	-9E+99	5.20	12.50	0.96	0.55
Little Salt	LSAM188	D7-450	D7-451	1142.91	1142.19	600.00	1.75	0.00	0.00	0.00	2.17	2.31	0.41	-9E+99	2.28	5.49	0.83	0.47
Little Salt	LSAM189	D7-448	D7-449	1144.35	1143.63	600.00	1.75	0.00	0.00	0.00	2.18	2.31	0.41	-9E+99	2.28	5.49	0.80	0.46
Little Salt	LSAM191	D7-446	D7-447	1145.55	1145.01	450.00	1.75	0.00	0.00	0.00	2.18	2.31	0.41	-9E+99	2.28	5.49	0.79	0.45
Little Salt	LSAM192	D7-445	D7-446	1146.09	1145.55	444.00	1.75	0.00	0.00	0.00	2.19	2.31	0.41	-9E+99	2.30	5.53	0.79	0.45
Little Salt	LSAM193	D7-458	D7-459	1150.88	1149.63	545.00	1.50	0.00	0.00	0.00	2.79	2.31	0.36	-9E+99	2.85	5.03	0.72	0.48

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM194	D7-459	D7-460	1149.63	1148.36	550.00	1.50	0.00	0.00	0.00	2.79	2.31	0.36	-9E+99	2.86	5.05	0.73	0.49
Little Salt	LSAM196	D7-460	D7-461	1148.36	1147.21	500.00	1.50	0.00	0.00	0.00	2.75	2.31	0.37	-9E+99	2.85	5.04	0.73	0.49
Little Salt	LSAM195	D7-461	D7-445	1147.21	1146.09	377.00	1.50	0.00	0.00	0.00	2.98	2.31	0.35	-9E+99	3.24	5.73	0.79	0.53
Little Salt	LSAM363	D7-453	D8-218	1141.27	1140.44	488.00	1.75	0.00	0.00	0.00	2.48	2.31	0.38	-9E+99	2.72	6.53	0.72	0.41
Little Salt	LSAM190	D7-447	D7-448	1145.01	1144.35	550.00	1.75	0.00	0.00	0.00	2.18	2.31	0.41	-9E+99	2.28	5.49	0.79	0.45
Little Salt	LSAM199	D7-449	D7-450	1143.63	1142.91	600.00	1.75	0.00	0.00	0.00	2.16	2.31	0.41	-9E+99	2.28	5.49	0.83	0.47
Little Salt	LSAM197	D7-452	D7-453	1141.53	1141.27	558.00	1.75	0.00	0.00	0.00	1.77	2.31	0.45	-9E+99	1.42	3.42	0.96	0.55
Little Salt	LSAM215	D7-267	D7-418	1139.75	1139.40	450.20	1.75	0.00	0.00	0.00	2.49	5.96	0.53	-9E+99	1.84	4.42	1.80	1.03
Little Salt	LSAM200	D7-247	D7-267	1140.02	1139.75	372.00	1.75	0.00	0.00	0.00	2.37	5.96	0.53	-9E+99	1.77	4.27	2.02	1.15
Little Salt	LSAM205	D7-197	D7-208	1144.58	1143.29	380.00	1.50	0.00	0.00	0.00	3.76	4.46	0.43	-9E+99	3.46	6.12	0.96	0.64
Little Salt	LSAM206	D7-142	D7-197	1145.87	1144.58	360.00	1.50	0.00	0.00	0.00	3.84	4.46	0.42	-9E+99	3.56	6.29	0.96	0.64
Little Salt	LSAM202	D7-208	D7-237	1143.29	1141.77	380.00	1.50	0.00	0.00	0.00	3.96	4.46	0.42	-9E+99	3.76	6.64	1.01	0.67
Little Salt	LSAM203	D7-239	D7-238	1141.01	1140.62	195.85	1.75	0.00	0.00	0.00	2.88	4.45	0.53	-9E+99	2.94	7.07	1.53	0.88
Little Salt	LSAM218	D7-237	D7-456	1141.77	1141.27	163.00	1.75	0.00	0.00	0.00	3.18	4.45	0.48	-9E+99	3.65	8.78	1.26	0.72
Little Salt	L1500	D7-264	D8-24	1138.73	1138.56	117.60	1.75	0.00	0.00	0.00	3.02	7.18	0.53	-9E+99	2.50	6.02	1.69	0.97
Little Salt	LSAM204	D7-238	D7-247	1140.62	1140.02	178.65	1.75	0.00	-0.04	-0.03	2.71	4.45	0.52	-9E+99	3.82	9.18	2.02	1.15
Little Salt	LSAM207	D7-283	D7-142	1146.62	1145.87	219.85	1.50	0.00	0.00	0.00	3.79	4.46	0.43	-9E+99	3.47	6.14	0.95	0.63
Little Salt	LSAM208	D7-281	D7-283	1147.34	1146.62	379.00	1.50	0.00	0.00	0.00	2.74	3.10	0.42	-9E+99	2.59	4.58	0.95	0.63
Little Salt	LSAM209	D7-280	D7-281	1148.09	1147.34	375.00	1.50	0.00	0.00	0.00	2.82	3.10	0.42	-9E+99	2.66	4.70	0.91	0.61
Little Salt	LSAM210	D7-279	D7-280	1148.66	1148.09	385.00	1.50	0.00	0.00	0.00	2.57	3.10	0.43	-9E+99	2.29	4.04	0.98	0.65
Little Salt	LSAM211	D7-278	D7-279	1150.61	1148.66	380.00	1.50	0.01	0.00	0.00	3.85	3.10	0.36	-9E+99	4.26	7.52	0.98	0.65
Little Salt	LSAM212	D7-415	D7-264	1138.75	1138.73	133.00	1.75	0.00	0.00	0.00	2.88	7.18	0.53	-9E+99	0.81	1.94	1.93	1.10
Little Salt	LSAM213	D7-416	D7-415	1139.13	1138.75	227.00	2.25	0.00	0.00	0.00	2.41	7.18	0.68	-9E+99	3.19	12.67	1.93	0.86
Little Salt	LSAM214	D7-417	D7-416	1139.29	1139.13	98.00	2.25	0.00	0.00	0.00	2.70	7.18	0.67	-9E+99	3.15	12.51	1.68	0.75
Little Salt	LSAM216	D7-418	D7-417	1139.40	1139.29	65.00	2.25	0.00	0.00	0.00	2.81	7.18	0.66	-9E+99	3.20	12.74	1.58	0.70
Little Salt	LSAM217	D7-456	D7-239	1141.27	1141.01	217.00	1.75	0.00	0.00	0.00	2.61	4.45	0.52	-9E+99	2.28	5.48	1.30	0.75
Little Salt	LSAM230	C7-384	C7-396	1128.55	1127.01	403.00	3.50	0.00	0.00	0.00	5.16	21.04	0.80	-9E+99	6.46	62.19	2.14	0.61
Little Salt	LSAM241	C7-385	C7-384	1128.60	1128.55	59.20	3.50	0.00	0.00	0.00	4.88	21.04	0.83	-9E+99	3.04	29.24	1.62	0.46
Little Salt	LSAM231	C7-396	C7-383	1127.01	1126.70	346.00	3.50	0.00	0.00	0.00	3.42	21.04	0.98	-9E+99	3.13	30.12	2.14	0.61
Little Salt	LSAM242	C7-387	C7-386	1129.09	1128.98	107.00	3.50	0.00	0.00	0.00	3.66	21.04	0.95	-9E+99	3.35	32.26	2.02	0.58
Little Salt	LSAM240	C7-386	C7-385	1128.98	1128.60	503.00	3.50	0.00	0.00	0.00	3.76	21.04	0.94	-9E+99	2.87	27.65	2.01	0.58
Little Salt	LSAM243	C7-395	C7-387	1129.32	1129.09	265.00	3.50	0.00	0.00	0.00	3.52	20.76	0.96	-9E+99	3.08	29.64	2.07	0.59
Little Salt	LSAM244	C7-390	C7-395	1129.69	1129.32	277.00	3.50	0.00	0.00	0.00	3.66	20.76	0.95	-9E+99	3.82	36.77	2.07	0.59
Little Salt	LSAM245	C7-391	C7-390	1129.90	1129.69	275.00	3.50	0.00	0.00	0.00	3.51	20.76	0.96	-9E+99	2.89	27.80	2.08	0.59
Little Salt	LSAM246	C6-448	C7-391	1129.92	1129.90	89.00	3.50	0.00	0.00	0.00	3.37	20.76	0.98	-9E+99	1.57	15.08	2.15	0.61
Little Salt	LSAM247	C6-449	C6-448	1130.03	1129.92	62.00	3.00	0.00	0.00	0.00	3.89	20.76	0.89	-9E+99	3.97	28.09	2.15	0.72
Little Salt	LSAM248	C6-450	C6-449	1130.13	1130.03	45.40	3.00	0.00	0.00	0.00	3.98	20.76	0.89	-9E+99	4.43	31.30	2.12	0.71
Little Salt	LSAM221	C7-185	C7-194	1129.18	1128.73	351.00	2.50	0.00	0.00	0.00	2.27	2.69	0.42	-9E+99	2.99	14.69	0.73	0.29
Little Salt	LSAM228	C7-194	C7-232	1128.73	1128.28	351.00	2.50	0.00	0.00	0.00	2.24	2.69	0.42	-9E+99	2.99	14.69	0.76	0.30
Little Salt	LSAM225	C7-165	C7-166	1132.96	1132.49	394.00	2.25	0.00	0.00	0.00	1.34	0.50	0.21	-9E+99	2.69	10.70	0.34	0.15
Little Salt	LSAM222	C7-167	C7-170	1131.92	1131.32	290.00	2.50	0.00	0.00	0.00	1.57	0.50	0.18	-9E+99	3.80	18.66	0.36	0.15
Little Salt	LSAM237	C7-170	C7-316	1131.32	1130.89	334.00	2.50	0.00	-0.27	-0.16	1.01	0.50	0.28	-9E+99	3.00	14.72	0.65	0.26
Little Salt	LSAM232	C7-175	C7-281	1130.67	1130.45	108.00	2.50	0.00	0.00	0.00	2.52	2.69	0.39	-9E+99	3.77	18.51	0.72	0.29
Little Salt	LSAM223	C7-184	C7-185	1129.61	1129.18	328.00	2.50	0.00	0.00	0.00	2.29	2.69	0.41	-9E+99	3.03	14.85	0.73	0.29
Little Salt	LSAM234	C7-182	C7-183	1130.00	1129.64	246.00	2.50	0.00	0.00	0.00	2.03	2.69	0.44	-9E+99	3.20	15.69	0.93	0.37
Little Salt	LSAM227	C7-166	C7-167	1132.49	1131.92	322.00	2.50	0.00	0.00	0.00	1.54	0.50	0.19	-9E+99	3.52	17.26	0.30	0.12
Little Salt	LSAM226	C7-164	C7-165	1133.15	1132.96	132.00	2.25	0.00	0.00	0.00	1.42	0.50	0.20	-9E+99	2.96	11.75	0.34	0.15
Little Salt	LSAM229	C7-233	C7-380	1127.83	1125.73	353.00	2.50	0.01	0.00	0.00	3.37	2.69	0.34	-9E+99	6.44	31.64	2.05	0.82
Little Salt	LSAM233	C7-281	C7-182	1130.45	1130.00	314.00	2.50	0.00	0.00	0.00	2.29	2.69	0.41	-9E+99	3.16	15.53	0.77	0.31

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM224	C7-183	C7-184	1129.64	1129.61	335.00	2.50	0.00	0.00	0.00	1.66	2.69	0.50	-9E+99	0.79	3.88	0.93	0.37
Little Salt	LSAM236	C7-176	C7-233	1128.10	1127.83	149.00	2.50	0.00	0.00	0.00	2.69	2.69	0.37	-9E+99	3.56	17.46	0.66	0.26
Little Salt	LSAM238	C7-316	C7-175	1130.89	1130.67	107.00	2.50	0.00	0.00	0.00	2.64	2.69	0.38	-9E+99	3.79	18.60	0.67	0.27
Little Salt	LSAM239	C7-162	C7-164	1133.15	1133.15	276.00	2.25	0.00	0.00	0.00	0.89	0.50	0.27	-9E+99	0.25	0.98	0.46	0.20
Little Salt	LSAM235	C7-232	C7-176	1128.28	1128.10	202.00	2.50	0.00	0.00	0.00	2.18	2.69	0.43	-9E+99	2.49	12.24	0.76	0.30
Little Salt	LSAM249	C7-151	C7-152	1137.74	1137.40	53.00	2.00	0.01	0.00	0.00	4.40	7.18	0.51	-9E+99	5.77	18.12	1.23	0.62
Little Salt	LSAM250	C7-152	C7-155	1137.40	1136.73	325.00	2.00	0.00	0.00	0.00	3.53	7.18	0.56	-9E+99	3.27	10.27	1.24	0.62
Little Salt	LSAM251	C7-155	C7-158	1136.73	1136.06	327.00	2.00	0.00	0.00	0.00	3.52	7.18	0.56	-9E+99	3.26	10.24	1.24	0.62
Little Salt	LSAM252	C7-158	C7-159	1136.06	1135.38	335.00	2.00	0.00	0.00	0.00	3.53	7.18	0.56	-9E+99	3.24	10.19	1.24	0.62
Little Salt	LSAM253	C7-159	C7-398	1135.38	1134.71	320.00	2.00	0.00	0.00	0.00	3.67	7.18	0.55	-9E+99	3.29	10.35	1.22	0.61
Little Salt	LSAM254	C7-398	C8-50	1134.71	1134.51	34.50	2.00	0.01	0.00	0.00	4.66	7.18	0.49	-9E+99	5.48	17.22	1.06	0.53
Little Salt	LSAM255	C7-33	C7-30	1140.20	1139.90	187.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.38	4.21	-0.41	0.00
Little Salt	LSAM256	C7-30	C7-29	1139.49	1138.96	366.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.26	4.00	0.00	0.00
Little Salt	LSAM257	C7-29	C7-255	1138.96	1138.47	330.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.29	4.05	0.00	0.00
Little Salt	LSAM258	C7-255	C6-452	1138.47	1138.42	33.00	0.67	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.35	0.48	0.00	0.00
Little Salt	LSAM262	C7-314	C7-313	1125.47	1125.32	363.72	4.00	0.00	0.00	0.00	2.27	15.04	1.02	-9E+99	2.32	29.17	2.09	0.52
Little Salt	L1499	C7-343	C-11	1125.54	1125.00	100.00	4.00	0.01	0.00	0.00	6.26	17.90	0.64	-9E+99	8.40	105.56	1.11	0.28
Little Salt	LSAM281	C7-309	C7-343	1124.57	1125.54	82.12	4.00	-0.01	-2.42	-14.53	2.76	17.90	1.01	-9E+99	12.42	156.12	2.08	0.52
Little Salt	LSAM282	C7-310	C7-309	1124.74	1124.57	468.03	4.00	0.00	-0.70	-1.01	2.19	15.04	1.04	-9E+99	2.18	27.38	2.15	0.54
Little Salt	LSAM259	C7-311	C7-310	1124.92	1124.74	449.01	4.00	0.00	0.00	0.00	2.22	15.04	1.04	-9E+99	2.29	28.76	2.15	0.54
Little Salt	LSAM260	C7-312	C7-311	1125.12	1124.92	499.01	4.00	0.00	0.00	0.00	2.24	15.04	1.03	-9E+99	2.29	28.76	2.13	0.53
Little Salt	LSAM261	C7-313	C7-312	1125.32	1125.12	499.02	4.00	0.00	0.00	0.00	2.26	15.04	1.03	-9E+99	2.29	28.76	2.11	0.53
Little Salt	LSAM266	C7-307	C7-308	1127.03	1126.58	299.50	1.50	0.00	0.00	0.00	2.45	2.20	0.37	-9E+99	2.30	4.07	0.79	0.53
Little Salt	LSAM263	C7-306	C7-307	1127.63	1127.03	398.90	1.50	0.00	0.00	0.00	2.34	2.20	0.39	-9E+99	2.31	4.07	0.79	0.53
Little Salt	LSAM264	C7-305	C7-306	1128.10	1127.63	313.03	1.50	0.00	0.00	0.00	2.35	2.20	0.39	-9E+99	2.30	4.07	0.79	0.52
Little Salt	LSAM265	C7-304	C7-305	1128.63	1128.10	327.34	1.50	0.00	0.00	0.00	2.40	2.20	0.38	-9E+99	2.39	4.23	0.79	0.52
Little Salt	LSAM290	C7-303	C7-304	1129.03	1128.63	401.96	1.50	0.00	0.00	0.00	2.09	2.20	0.41	-9E+99	1.88	3.31	0.88	0.58
Little Salt	LSAM283	C7-308	C7-309	1126.58	1124.57	128.38	1.50	0.02	0.00	0.00	4.15	2.20	0.28	-9E+99	7.44	13.14	2.15	1.44
Little Salt	LSAM284	C7-375	C8-44	1122.98	1122.89	107.66	4.00	0.00	0.00	0.00	3.05	23.71	1.10	-9E+99	3.30	41.53	2.40	0.60
Little Salt	LSAM267	C7-376	C7-375	1123.22	1122.98	435.27	4.00	0.00	0.00	0.00	3.02	23.71	1.11	-9E+99	2.68	33.73	2.40	0.60
Little Salt	LSAM268	C7-377	C7-376	1123.48	1123.22	434.05	4.00	0.00	0.00	0.00	3.01	23.71	1.11	-9E+99	2.80	35.16	2.40	0.60
Little Salt	LSAM269	C7-378	C7-377	1124.55	1123.48	444.06	3.50	0.00	0.00	0.00	4.30	23.71	0.93	-9E+99	5.13	49.39	2.40	0.69
Little Salt	LSAM270	C7-379	C7-378	1125.14	1124.55	454.06	3.50	0.00	0.00	0.00	4.16	23.71	0.95	-9E+99	3.77	36.27	2.02	0.58
Little Salt	LSAM271	C7-380	C7-379	1125.73	1125.14	457.06	3.50	0.00	0.00	0.00	4.06	23.71	0.96	-9E+99	3.76	36.15	2.05	0.59
Little Salt	LSAM272	C7-381	C7-380	1126.04	1125.73	346.04	3.50	0.00	-0.40	-0.25	3.51	21.04	0.97	-9E+99	3.13	30.11	2.09	0.60
Little Salt	LSAM276	C7-382	C7-276	1126.35	1126.21	155.92	3.50	0.00	0.00	0.00	3.46	21.04	0.97	-9E+99	3.13	30.15	2.12	0.61
Little Salt	LSAM273	C7-383	C7-382	1126.70	1126.35	381.46	3.50	0.00	0.00	0.00	3.44	21.04	0.98	-9E+99	3.17	30.48	2.13	0.61
Little Salt	LSAM274	C7-231	C6-251	1130.13	1129.62	493.91	2.50	0.00	0.00	0.00	2.53	5.64	0.59	-9E+99	2.69	13.18	1.19	0.48
Little Salt	LSAM275	C7-276	C7-381	1126.21	1126.04	186.83	3.50	0.00	-0.10	-0.02	3.48	21.04	0.97	-9E+99	3.15	30.35	2.11	0.60
Little Salt	LSAM292	C7-338	C7-231	1130.56	1130.13	400.18	2.00	0.00	0.00	0.00	2.73	5.65	0.57	-9E+99	2.36	7.42	1.26	0.63
Little Salt	LSAM277	C7-339	C7-338	1131.04	1130.56	397.99	2.00	0.00	0.00	0.00	2.71	5.65	0.57	-9E+99	2.50	7.86	1.26	0.63
Little Salt	LSAM278	C7-340	C7-339	1131.58	1131.04	446.74	2.00	0.00	0.00	0.00	2.73	5.68	0.57	-9E+99	2.50	7.87	1.26	0.63
Little Salt	LSAM279	C7-341	C7-340	1132.00	1131.58	346.27	2.00	0.00	0.00	0.00	2.78	5.84	0.57	-9E+99	2.51	7.88	1.29	0.65
Little Salt	3183.1	C-11	N1475	0.00	0.00	33.00	0.16	0.00	0.00	0.00	0.00	36.75	0.00	-9E+99	0.00	0.00	-9.00E+99	0.00
Little Salt	C-11 Pump	C-11	N1475	0.00	0.00	33.00	0.16	0.00	0.00	0.00	0.00	36.75	0.00	-9E+99	0.00	0.00	-9.00E+99	0.00
Little Salt	LSAM285	C7-431	C6-495	1132.96	1132.75	219.11	2.50	0.00	0.00	0.00	2.16	2.69	0.43	-9E+99	2.59	12.70	0.76	0.30
Little Salt	LSAM286	C7-430	C7-431	1133.72	1132.96	710.27	3.00	0.00	0.00	0.00	2.06	2.69	0.42	-9E+99	3.09	21.82	0.76	0.25
Little Salt	LSAM291	C7-429	C7-430	1134.52	1133.72	737.81	3.00	0.00	0.00	0.00	2.11	2.70	0.42	-9E+99	3.11	21.96	0.72	0.24
Little Salt	LSAM287	C7-428	C7-429	1134.96	1134.52	420.60	3.00	0.00	0.00	0.00	2.10	2.76	0.43	-9E+99	3.05	21.57	0.73	0.24

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM289	C7-427	C7-428	1135.35	1134.96	358.36	3.00	0.00	0.00	0.00	2.38	3.51	0.50	-9E+99	3.11	22.00	0.90	0.30
Little Salt	L1498	C7-427	C7-341	1135.35	1132.00	408.80	2.00	0.01	0.00	0.00	5.65	7.63	0.47	-9E+99	6.52	20.48	1.29	0.65
Little Salt	LSAM297	C8-4	C8-90	1126.92	1126.54	442.00	3.00	0.00	-0.15	-0.08	3.31	11.45	0.74	-9E+99	2.77	19.56	1.51	0.50
Little Salt	LSAM299	C8-16	C8-15	1130.52	1130.35	492.00	3.00	0.00	0.00	0.00	2.19	9.25	0.82	-9E+99	1.75	12.40	1.74	0.58
Little Salt	LSAM298	C8-12	C8-11	1129.65	1129.30	404.00	3.00	0.00	0.00	0.00	2.53	9.25	0.76	-9E+99	2.78	19.63	1.61	0.54
Little Salt	LSAM301	C8-11	C8-10	1129.30	1129.09	429.00	3.00	0.00	0.00	0.00	2.40	9.25	0.78	-9E+99	2.09	14.76	1.61	0.54
Little Salt	LSAM302	C8-10	C8-9	1129.09	1128.82	394.00	3.00	0.00	0.00	0.00	2.54	9.25	0.76	-9E+99	2.47	17.46	1.54	0.51
Little Salt	LSAM311	C8-9	C8-115	1128.82	1128.69	171.00	3.00	0.00	0.00	0.00	2.56	9.25	0.76	-9E+99	2.60	18.39	1.53	0.51
Little Salt	LSAM307	C8-71	C8-4	1127.06	1126.92	107.00	3.00	0.00	0.00	0.00	3.24	11.45	0.75	-9E+99	3.41	24.13	1.51	0.50
Little Salt	LSAM293	C8-90	C7-314	1126.54	1125.47	89.89	3.00	0.01	0.00	0.00	5.57	15.04	0.64	-9E+99	10.30	72.77	2.08	0.69
Little Salt	LSAM313	C8-13	C8-12	1129.88	1129.65	446.00	3.00	0.00	0.00	0.00	2.42	9.25	0.78	-9E+99	2.14	15.15	1.60	0.53
Little Salt	LSAM312	C8-14	C8-13	1130.12	1129.88	450.00	3.00	0.00	0.00	0.00	2.36	9.25	0.79	-9E+99	2.18	15.40	1.63	0.54
Little Salt	LSAM300	C8-15	C8-14	1130.35	1130.12	450.00	3.00	0.00	0.00	0.00	2.31	9.25	0.80	-9E+99	2.13	15.08	1.66	0.55
Little Salt	LSAM303	C8-92	C8-8	1128.63	1128.53	142.00	3.00	0.00	0.00	0.00	2.53	9.25	0.76	-9E+99	2.50	17.70	1.54	0.51
Little Salt	LSAM306	C8-7	C8-6	1128.19	1127.76	500.00	3.00	0.00	-0.11	-0.06	2.54	9.25	0.76	-9E+99	2.77	19.56	1.61	0.54
Little Salt	LSAM305	C8-6	C8-122	1127.76	1127.69	220.00	3.00	0.00	-1.00	-0.60	2.41	9.25	0.78	-9E+99	1.68	11.90	1.61	0.54
Little Salt	LSAM308	C8-5	C8-71	1127.34	1127.06	330.00	3.00	0.00	0.00	0.00	3.06	11.45	0.77	-9E+99	2.75	19.43	1.58	0.53
Little Salt	LSAM309	C8-122	C8-5	1127.69	1127.34	280.00	3.00	0.00	0.00	0.00	3.15	11.45	0.76	-9E+99	3.34	23.58	1.58	0.53
Little Salt	LSAM310	C8-115	C8-92	1128.69	1128.63	74.00	3.00	0.00	0.00	0.00	2.54	9.25	0.76	-9E+99	2.69	18.99	1.54	0.51
Little Salt	LSAM304	C8-8	C8-7	1128.53	1128.19	500.00	3.00	0.00	0.00	0.00	2.53	9.25	0.76	-9E+99	2.46	17.39	1.54	0.51
Little Salt	LSAM314	C8-44	C8-43	1122.89	1122.67	359.74	4.00	0.00	0.00	0.00	3.02	23.71	1.11	-9E+99	2.83	35.52	2.40	0.60
Little Salt	LSAM315	C8-43	C8-42	1122.67	1122.45	360.00	4.00	0.00	0.00	0.00	3.01	23.71	1.11	-9E+99	2.83	35.51	2.40	0.60
Little Salt	LSAM316	C8-42	C8-41	1122.45	1122.23	364.31	4.00	0.00	0.00	0.00	3.01	23.70	1.11	-9E+99	2.81	35.30	2.40	0.60
Little Salt	LSAM317	C8-41	C8-40	1122.23	1122.21	39.60	4.00	0.00	0.00	0.00	3.01	23.70	1.11	-9E+99	2.57	32.28	2.40	0.60
Little Salt	LSAM318	C8-40	C8-39	1122.21	1121.93	461.09	4.00	0.00	0.00	0.00	3.02	23.70	1.11	-9E+99	2.82	35.40	2.40	0.60
Little Salt	LSAM319	C8-39	C8-38	1121.93	1121.62	515.00	4.00	0.00	0.00	0.00	3.02	23.70	1.11	-9E+99	2.80	35.24	2.40	0.60
Little Salt	LSAM320	C8-38	C8-37	1121.62	1121.31	515.00	4.00	0.00	0.00	0.00	3.02	23.70	1.11	-9E+99	2.80	35.24	2.39	0.60
Little Salt	LSAM321	C8-37	C8-36	1121.31	1121.00	510.00	4.00	0.00	0.00	0.00	3.03	23.70	1.11	-9E+99	2.82	35.41	2.39	0.60
Little Salt	LSAM322	C8-36	C8-35	1121.00	1120.69	515.32	4.00	0.00	0.00	0.00	3.03	23.70	1.11	-9E+99	2.80	35.23	2.39	0.60
Little Salt	LSAM323	C8-35	C8-34	1120.69	1120.64	90.66	4.00	0.00	0.00	0.00	3.05	23.70	1.10	-9E+99	2.68	33.73	2.38	0.59
Little Salt	LSAM324	C8-34	C8-33	1120.64	1120.36	469.02	4.00	0.00	0.00	0.00	3.06	23.70	1.10	-9E+99	2.79	35.10	2.37	0.59
Little Salt	LSAM325	C8-33	C8-32	1120.36	1120.07	475.00	4.00	0.00	0.00	0.00	3.09	23.70	1.10	-9E+99	2.82	35.49	2.35	0.59
Little Salt	LSAM326	C8-32	C8-31	1120.07	1119.77	489.00	4.00	0.00	0.00	0.00	3.13	23.70	1.09	-9E+99	2.83	35.58	2.33	0.58
Little Salt	LSAM327	C8-31	C8-30	1119.77	1119.51	436.00	4.00	0.00	0.00	0.00	3.20	23.70	1.08	-9E+99	2.79	35.08	2.29	0.57
Little Salt	LSAM328	C8-30	C8-29	1119.51	1119.24	440.00	4.00	0.00	0.00	0.00	3.32	23.70	1.06	-9E+99	2.83	35.58	2.23	0.56
Little Salt	LSAM329	C8-29	C8-28	1119.24	1118.48	438.46	4.00	0.00	-0.23	-0.39	3.41	23.70	1.05	-9E+99	4.76	59.80	2.60	0.65
Little Salt	L1505	C8-28	C8-27	1118.48	1118.25	381.54	4.50	0.00	0.00	0.00	3.24	30.82	1.28	-9E+99	3.04	48.28	2.60	0.58
Little Salt	LSAM335	C8-27	C8-26	1118.25	1118.02	380.00	4.50	0.00	0.00	0.00	3.25	30.82	1.27	-9E+99	3.04	48.38	2.59	0.58
Little Salt	LSAM331	C8-25	C8-24	1117.79	1117.74	84.80	4.50	0.00	0.00	0.00	3.27	30.81	1.27	-9E+99	3.00	47.75	2.58	0.57
Little Salt	LSAM332	C8-24	C8-23	1117.74	1117.45	485.88	4.50	0.00	0.00	0.00	3.28	30.81	1.27	-9E+99	3.02	48.04	2.57	0.57
Little Salt	LSAM333	C8-23	C8-22	1117.45	1117.16	490.00	4.50	0.00	0.00	0.00	3.32	30.81	1.26	-9E+99	3.01	47.84	2.55	0.57
Little Salt	LSAM334	C8-22	C8-21	1117.16	1116.87	490.00	4.50	0.00	0.00	0.00	3.38	30.81	1.24	-9E+99	3.01	47.84	2.51	0.56
Little Salt	LSAM337	C8-21	C8-20	1116.87	1116.57	490.00	4.50	0.00	0.00	0.00	3.50	30.81	1.21	-9E+99	3.06	48.66	2.45	0.54
Little Salt	LSAM336	C8-26	C8-25	1118.02	1117.79	380.00	4.50	0.00	0.00	0.00	3.26	30.82	1.27	-9E+99	3.04	48.38	2.59	0.58
Little Salt	LSAM342	C8-20	C8-19	1116.57	1116.07	489.50	4.50	0.00	0.00	0.00	3.63	30.81	1.18	-9E+99	3.95	62.85	2.47	0.55
Little Salt	LSAM341	C8-50	C8-51	1134.51	1134.27	88.00	2.00	0.00	0.00	0.00	4.33	7.18	0.51	-9E+99	3.76	11.81	1.06	0.53
Little Salt	LSAM347	C8-51	C8-49	1134.27	1132.22	353.00	2.00	0.01	0.00	0.00	5.22	7.18	0.47	-9E+99	5.49	17.24	0.92	0.46
Little Salt	LSAM346	C8-49	C8-70	1132.22	1130.84	252.00	2.00	0.01	0.00	0.00	4.93	7.18	0.48	-9E+99	5.33	16.74	1.12	0.56
Little Salt	LSAM343	C8-70	C8-48	1130.84	1129.97	198.00	2.00	0.00	0.00	0.00	3.77	7.18	0.54	-9E+99	4.77	15.00	1.65	0.82

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM345	C8-48	C8-102	1129.97	1130.50	217.00	2.00	0.00	-2.43	-5.71	2.77	7.18	0.59	-9E+99	3.56	11.18	1.27	0.63
Little Salt	LSAM344	C8-102	C8-47	1130.50	1127.72	231.00	2.00	0.01	0.00	0.00	6.58	7.18	0.41	-9E+99	7.90	24.82	0.94	0.47
Little Salt	LSAM339	C8-46	C8-45	1125.48	1123.23	450.00	2.00	0.01	0.00	0.00	4.75	7.18	0.49	-9E+99	5.09	16.00	0.99	0.50
Little Salt	LSAM340	C8-47	C8-46	1127.72	1125.48	450.00	2.00	0.00	0.00	0.00	4.91	7.18	0.48	-9E+99	5.08	15.96	0.99	0.50
Little Salt	LSAM338	C8-45	C8-28	1123.23	1118.48	450.00	2.00	0.01	0.00	0.00	5.55	7.18	0.43	-9E+99	7.40	23.24	2.60	1.30
Little Salt	LSAM360	D8-147	D8-149	1126.15	1124.96	336.00	1.50	0.00	0.00	0.00	2.77	1.55	0.29	-9E+99	3.54	6.25	0.72	0.48
Little Salt	LSAM361	D8-149	D8-150	1124.96	1124.61	350.00	1.50	0.00	0.00	0.00	1.86	1.55	0.36	-9E+99	1.88	3.32	0.72	0.48
Little Salt	LSAM358	D8-150	D8-151	1124.61	1124.23	350.00	1.50	0.00	0.00	0.00	2.00	1.55	0.35	-9E+99	1.96	3.46	0.70	0.47
Little Salt	LSAM359	D8-151	D8-163	1124.23	1121.65	294.00	1.50	0.01	0.00	0.00	3.78	1.55	0.24	-9E+99	5.57	9.84	0.43	0.29
Little Salt	LSAM357	D8-163	C8-19	1121.65	1116.28	263.00	1.50	0.02	0.00	0.00	5.00	1.55	0.21	-9E+99	8.49	15.01	2.26	1.51
Little Salt	LSAM356	D8-81	D8-87	1136.25	1132.56	111.00	2.00	0.03	0.00	0.00	1.89	0.10	0.09	-9E+99	13.13	41.25	0.95	0.48
Little Salt	LSAM355	D8-87	D8-185	1132.56	1132.27	182.00	2.00	0.00	0.00	0.00	2.65	3.94	0.49	-9E+99	2.87	9.03	1.00	0.50
Little Salt	LSAM354	D8-185	D8-86	1132.27	1131.99	278.00	2.00	0.00	0.00	0.00	2.58	3.94	0.49	-9E+99	2.29	7.18	1.00	0.50
Little Salt	LSAM353	D8-86	D8-91	1131.99	1131.75	100.00	2.00	0.00	0.00	0.00	3.30	3.94	0.43	-9E+99	3.53	11.08	0.81	0.41
Little Salt	LSAM352	D8-91	D8-141	1131.75	1130.95	267.00	2.00	0.00	0.00	0.00	3.48	3.94	0.42	-9E+99	3.94	12.38	0.79	0.40
Little Salt	LSAM351	D8-141	D8-88	1130.95	1130.55	145.00	2.00	0.00	0.00	0.00	3.40	3.94	0.43	-9E+99	3.78	11.88	0.79	0.40
Little Salt	LSAM350	D8-88	D8-171	1130.55	1129.54	351.00	2.00	0.00	0.00	0.00	3.45	3.94	0.42	-9E+99	3.86	12.14	0.78	0.39
Little Salt	LSAM349	D8-171	D8-89	1129.54	1129.38	56.00	2.00	0.00	0.00	0.00	3.47	3.94	0.42	-9E+99	3.85	12.09	0.78	0.39
Little Salt	LSAM348	D8-89	D9-84	1129.38	1128.13	408.00	2.00	0.00	0.00	0.00	3.41	3.94	0.42	-9E+99	3.99	12.52	0.94	0.47
UNK	LSAM100	C8-19	C9-10	1116.07	1115.57	506.00	4.50	0.00	0.00	0.00	3.59	32.32	1.23	-9E+99	3.89	61.82	2.59	0.58
Little Salt	LSAM362	D8-226	D8-87	1133.24	1132.56	159.00	2.00	0.00	0.00	0.00	3.62	3.84	0.40	-9E+99	4.71	14.79	0.95	0.48
Little Salt	LSAM364	D8-218	D8-219	1140.44	1139.50	550.00	1.75	0.00	0.00	0.00	2.49	2.31	0.38	-9E+99	2.72	6.55	0.72	0.41
Little Salt	LSAM365	D8-219	D8-220	1139.50	1138.57	550.00	1.75	0.00	0.00	0.00	2.48	2.31	0.38	-9E+99	2.71	6.52	0.72	0.41
Little Salt	LSAM367	D8-220	D8-221	1138.57	1137.63	550.00	1.75	0.00	0.00	0.00	2.48	2.31	0.38	-9E+99	2.72	6.55	0.73	0.42
Little Salt	LSAM368	D8-222	D8-223	1136.74	1135.84	525.00	1.75	0.00	0.00	0.00	2.47	2.31	0.38	-9E+99	2.73	6.56	0.73	0.42
Little Salt	LSAM366	D8-221	D8-222	1137.63	1136.74	550.00	1.75	0.00	0.00	0.00	2.44	2.31	0.39	-9E+99	2.65	6.37	0.73	0.42
Little Salt	LSAM369	D8-223	D8-224	1135.84	1134.71	525.00	1.75	0.00	0.00	0.00	2.64	2.31	0.37	-9E+99	3.06	7.35	0.77	0.44
Little Salt	LSAM370	D8-224	D8-225	1134.71	1133.81	663.00	1.75	0.00	0.00	0.00	2.25	2.31	0.40	-9E+99	2.43	5.84	0.82	0.47
Little Salt	LSAM371	D8-225	D8-226	1133.81	1133.24	530.00	1.75	0.00	0.00	0.00	2.12	2.31	0.42	-9E+99	2.16	5.20	0.82	0.47
Stevens Creek	LSAM69	D8-230	D9-98	1112.84	1112.09	933.00	6.00	0.00	0.00	0.00	4.65	114.22	2.42	-9E+99	4.25	120.07	4.93	0.82
Stevens Creek	LSAM372	D8-229	D8-230	1112.84	1113.32	173.00	6.00	0.00	-4.42	-100.23	4.60	114.23	2.43	-9E+99	7.89	223.08	4.86	0.81
Stevens Creek	PSC1	SV-MH-85	SV-MH-84	1292.52	1281.52	550.00	1.50	0.02	0.00	0.00	7.97	6.56	0.36	-9E+99	8.41	14.86	0.81	0.54
Stevens Creek	PSC2	SV-MH-84	SV-MH-83	1281.52	1274.32	599.99	1.50	0.01	0.00	0.00	6.72	6.56	0.39	-9E+99	6.51	11.51	0.81	0.54
Stevens Creek	PSC3	SV-MH-83	SV-MH 82	1274.07	1271.87	550.00	1.75	0.00	0.00	0.00	4.43	6.56	0.48	-9E+99	4.17	10.02	1.05	0.60
Stevens Creek	PSC4	SV-MH 82	SV-MH-81	1271.87	1269.67	550.00	1.75	0.00	0.00	0.00	4.38	6.56	0.48	-9E+99	4.17	10.02	1.05	0.60
Stevens Creek	PSC5	SV-MH-81	SV-MH-80	1269.42	1266.42	600.00	2.00	0.01	0.00	0.00	5.45	10.95	0.56	-9E+99	5.09	16.00	1.23	0.61
Stevens Creek	PSC6	SV-MH-80	SV-MH-79	1266.32	1263.32	600.00	2.00	0.01	0.00	0.00	5.48	10.95	0.56	-9E+99	5.09	16.00	1.22	0.61
Stevens Creek	PSC7	SV-MH-79	SV-MH-78	1263.32	1260.82	500.00	2.00	0.01	0.00	0.00	5.48	10.95	0.56	-9E+99	5.09	16.00	1.22	0.61
Stevens Creek	PSC8	SV-MH-78	SV-MH-77	1260.82	1258.32	500.00	2.00	0.01	0.00	0.00	5.48	10.95	0.56	-9E+99	5.09	16.00	1.22	0.61
Stevens Creek	PSC9	SV-MH-77	SV-JSE-5C	1258.32	1255.82	500.00	2.00	0.01	0.00	0.00	5.42	10.95	0.56	-9E+99	5.09	16.00	1.32	0.66
Stevens Creek	PSC10	SV-JSE-5C	SV-MH-76	1255.32	1253.04	600.00	2.50	0.00	0.00	0.00	5.80	22.17	0.75	-9E+99	5.15	25.28	1.82	0.73
Stevens Creek	PSC11	SV-MH-76	SV-MH-75	1253.04	1250.76	600.00	2.50	0.00	0.00	0.00	5.80	22.17	0.75	-9E+99	5.15	25.28	1.83	0.73
Stevens Creek	PSC12	SV-MH-75	SV-MH-74	1250.76	1248.48	600.00	2.50	0.00	0.00	0.00	5.80	22.17	0.75	-9E+99	5.15	25.28	1.83	0.73
Stevens Creek	PSC13	SV-MH-74	SV-MH-73	1248.38	1246.65	455.01	2.50	0.00	0.00	0.00	5.75	22.17	0.75	-9E+99	5.15	25.29	1.88	0.75
Stevens Creek	PSC14	SV-MH-73	SV-MH-72	1246.65	1243.63	795.00	2.50	0.00	0.00	0.00	5.84	23.16	0.75	-9E+99	5.15	25.28	1.88	0.75
Stevens Creek	PSC15	SV-MH-72	SV-MH-71	1243.63	1242.30	350.00	2.50	0.00	0.00	0.00	5.89	23.16	0.75	-9E+99	5.15	25.28	1.88	0.75
Stevens Creek	PSC16	SV-MH-71	SV-MH-70	1242.20	1239.92	600.00	2.50	0.00	0.00	0.00	5.84	23.16	0.75	-9E+99	5.15	25.28	1.89	0.76
Stevens Creek	PSC17	SV-MH-70	SV-MH-69	1239.92	1237.64	600.00	2.50	0.00	0.00	0.00	5.84	23.16	0.75	-9E+99	5.15	25.28	1.89	0.76
Stevens Creek	PSC18	SV-MH-69	SV-MH-68	1237.54	1235.26	600.00	2.50	0.00	0.00	0.00	5.82	23.16	0.75	-9E+99	5.15	25.28	1.93	0.77

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Stevens Creek	PSC19	SV-MH-68	SV-MH-67	1235.26	1230.01	699.99	2.50	0.01	0.00	0.00	7.86	25.43	0.71	-9E+99	7.24	35.52	1.57	0.63
Stevens Creek	PSC20	SV-MH-67	SV-MH-66	1230.01	1224.76	700.00	2.50	0.01	0.00	0.00	7.86	25.43	0.71	-9E+99	7.24	35.52	1.57	0.63
Stevens Creek	PSC21	SV-MH-66	SV-MH-65	1224.66	1219.16	500.00	2.50	0.01	0.00	0.00	9.12	25.43	0.66	-9E+99	8.76	43.02	1.38	0.55
Stevens Creek	PSC22	SV-MH-65	SV-MH-64	1218.66	1214.46	1050.00	3.00	0.00	0.00	0.00	6.19	25.43	0.81	-9E+99	5.97	42.18	1.70	0.57
Stevens Creek	PSC23	SV-MH-64	SV-MH-63	1214.36	1210.56	949.99	3.00	0.00	0.00	0.00	6.19	25.43	0.81	-9E+99	5.97	42.18	1.70	0.57
Stevens Creek	PSC24	SV-MH-63	SV-MH-62	1210.46	1206.26	1050.00	3.00	0.00	0.00	0.00	6.24	25.43	0.80	-9E+99	5.97	42.18	1.68	0.56
Stevens Creek	PSC25	SV-MH-62	SV-MH-61	1206.26	1202.20	1014.19	3.00	0.00	0.00	0.00	6.24	25.43	0.80	-9E+99	5.97	42.20	1.70	0.57
Stevens Creek	PSC26	SV-MH-61	SV-MH-60	1202.20	1199.93	568.55	3.00	0.00	0.00	0.00	6.05	25.43	0.81	-9E+99	5.96	42.14	1.95	0.65
Stevens Creek	PSC27	SV-MH-60	SV-MH-59	1199.93	1198.88	420.93	3.00	0.00	0.00	0.00	5.25	25.43	0.86	-9E+99	4.71	33.31	1.95	0.65
Stevens Creek	PSC28	SV-MH-59	SV-MH-58	1198.78	1197.49	514.39	3.00	0.00	0.00	0.00	5.22	25.43	0.86	-9E+99	4.73	33.40	1.96	0.65
Stevens Creek	PSC29	SV-MH-58	SV-MH-57	1197.39	1195.14	900.00	3.00	0.00	0.00	0.00	5.23	26.42	0.88	-9E+99	4.72	33.35	2.02	0.67
Stevens Creek	PSC30	SV-MH-57	SV-MH-56	1195.14	1192.89	901.94	3.00	0.00	0.00	0.00	5.20	26.41	0.88	-9E+99	4.71	33.31	2.07	0.69
Stevens Creek	PSC31	SV-MH-56	SV-MH-55	1192.89	1191.10	714.94	3.00	0.00	0.00	0.00	5.27	27.36	0.88	-9E+99	4.72	33.37	2.07	0.69
Stevens Creek	PSC32	SV-MH-55	SV-MH-54	1191.10	1188.39	1085.06	3.00	0.00	0.00	0.00	5.26	27.36	0.88	-9E+99	4.72	33.33	2.08	0.69
Stevens Creek	PSC33	SV-MH-54	SV-MH-53	1188.39	1185.64	1100.00	3.00	0.00	0.00	0.00	5.26	27.36	0.88	-9E+99	4.72	33.35	2.08	0.69
Stevens Creek	PSC34	SV-MH-53	SV-MH-52	1185.14	1184.17	970.00	3.50	0.00	0.00	0.00	3.70	27.36	1.04	-9E+99	3.31	31.82	2.52	0.72
Stevens Creek	PSC35	SV-MH-52	SV-MH-51	1184.17	1183.47	700.00	3.50	0.00	0.00	0.00	3.77	27.90	1.04	-9E+99	3.31	31.82	2.52	0.72
Stevens Creek	PSC36	SV-MH-51	SV-MH-50	1183.47	1182.77	699.99	3.50	0.00	0.00	0.00	3.82	27.90	1.04	-9E+99	3.31	31.82	2.49	0.71
Stevens Creek	PSC37	SV-MH-50	SV-JSE-4	1182.77	1181.72	1050.01	3.50	0.00	0.00	0.00	4.00	27.90	1.02	-9E+99	3.31	31.82	2.43	0.69
Stevens Creek	PSC38	SV-JSE-4	SV-MH-49	1181.22	1179.64	750.00	4.00	0.00	0.00	0.00	5.69	46.67	1.13	-9E+99	5.25	65.93	2.49	0.62
Stevens Creek	PSC39	SV-MH-49	SV-MH-48	1179.64	1178.06	750.00	4.00	0.00	0.00	0.00	5.69	46.67	1.13	-9E+99	5.25	65.93	2.49	0.62
Stevens Creek	PSC40	SV-MH-48	SV-MH-47	1178.06	1176.58	702.39	4.00	0.00	0.00	0.00	5.68	46.67	1.13	-9E+99	5.25	65.94	2.49	0.62
Stevens Creek	PSC41	SV-MH-47	SV-MH-46	1176.58	1174.91	797.61	4.00	0.00	0.00	0.00	5.67	46.67	1.13	-9E+99	5.23	65.73	2.49	0.62
Stevens Creek	PSC42	SV-MH-46	SV-MH-45	1174.91	1172.60	1100.00	4.00	0.00	0.00	0.00	5.68	46.67	1.13	-9E+99	5.24	65.83	2.49	0.62
Stevens Creek	PSC43	SV-MH-45	SV-MH-44	1172.60	1170.29	1100.00	4.00	0.00	0.00	0.00	5.66	46.67	1.13	-9E+99	5.24	65.83	2.52	0.63
Stevens Creek	PSC44	SV-MH-44	SV-JSE-3A	1170.29	1167.98	1099.99	4.00	0.00	0.00	0.00	5.68	46.67	1.13	-9E+99	5.24	65.83	2.52	0.63
Stevens Creek	PSC45	SV-JSE-3A	SV-MH-43	1167.48	1165.56	800.00	4.50	0.00	0.00	0.00	6.53	66.37	1.27	-9E+99	6.06	96.34	2.75	0.61
Stevens Creek	PSC46	SV-MH-43	SV-MH-42	1165.56	1163.40	900.01	4.50	0.00	0.00	0.00	6.53	66.37	1.27	-9E+99	6.06	96.34	2.75	0.61
Stevens Creek	PSC47	SV-MH-42	SV-MH-41	1163.40	1161.12	950.00	4.50	0.00	0.00	0.00	6.53	66.37	1.27	-9E+99	6.06	96.34	2.75	0.61
Stevens Creek	PSC48	SV-MH-41	SV-MH-40	1161.12	1158.84	950.00	4.50	0.00	0.00	0.00	6.53	66.37	1.27	-9E+99	6.06	96.34	2.75	0.61
Stevens Creek	PSC49	SV-MH-40	SV-MH-39	1158.84	1156.68	900.00	4.50	0.00	0.00	0.00	6.53	66.37	1.28	-9E+99	6.06	96.34	2.75	0.61
Stevens Creek	PSC50	SV-MH-39	SV-MH-38	1156.68	1154.88	750.00	4.50	0.00	0.00	0.00	6.53	66.37	1.28	-9E+99	6.06	96.34	2.75	0.61
Stevens Creek	PSC51	SV-MH-38	SV-MH-37	1154.88	1153.08	750.00	4.50	0.00	0.00	0.00	6.53	66.37	1.28	-9E+99	6.06	96.34	2.75	0.61
Stevens Creek	PSC52	SV-MH-37	SV-MH-36	1153.08	1151.87	502.68	4.50	0.00	0.00	0.00	6.53	66.37	1.28	-9E+99	6.07	96.48	2.75	0.61
Stevens Creek	PSC53	SV-MH-36	SV-JSE-3B	1151.87	1149.78	870.00	4.50	0.00	0.00	0.00	6.53	66.37	1.28	-9E+99	6.06	96.38	2.75	0.61
Stevens Creek	PSC54	SV-JSE-3B	SV-MH-35	1149.68	1148.13	646.89	4.50	0.00	0.00	0.00	6.59	69.43	1.31	-9E+99	6.05	96.26	2.83	0.63
Stevens Creek	PSC55	SV-MH-35	SV-MH-34	1148.13	1145.52	1087.23	4.50	0.00	0.00	0.00	6.59	69.43	1.32	-9E+99	6.06	96.35	2.83	0.63
Stevens Creek	PSC56	SV-MH-34	SV-MH-33	1145.52	1142.91	1087.22	4.50	0.00	0.00	0.00	6.59	69.43	1.32	-9E+99	6.06	96.35	2.83	0.63
Stevens Creek	PSC57	SV-MH-33	SV-MH-32	1142.91	1142.01	373.59	4.50	0.00	0.00	0.00	6.60	69.43	1.32	-9E+99	6.07	96.52	2.83	0.63
Stevens Creek	PSC58	SV-MH-32	SV-MH-31	1142.01	1141.56	185.61	4.50	0.00	0.00	0.00	6.60	69.43	1.32	-9E+99	6.09	96.83	2.83	0.63
Stevens Creek	PSC59	SV-MH-31	SV-MH-30	1141.56	1139.93	679.85	4.50	0.00	0.00	0.00	6.59	69.43	1.32	-9E+99	6.05	96.29	2.83	0.63
Stevens Creek	PSC60	SV-MH-30	SV-MH-29	1139.93	1138.30	679.84	4.50	0.00	0.00	0.00	6.58	69.43	1.32	-9E+99	6.05	96.29	2.84	0.63
Stevens Creek	PSC61	SV-MH-29	SV-MH-28	1138.30	1137.46	350.68	4.50	0.00	0.00	0.00	6.57	69.43	1.33	-9E+99	6.05	96.24	2.84	0.63
Stevens Creek	PSC62	SV-MH-28	SV-MH-27	1137.46	1134.81	1104.71	4.50	0.00	0.00	0.00	6.53	69.43	1.33	-9E+99	6.06	96.31	2.92	0.65
Stevens Creek	PSC63	SV-MH-27	SV-JSE-2	1134.81	1134.15	274.31	4.50	0.00	0.00	0.00	6.34	69.43	1.34	-9E+99	6.06	96.46	3.01	0.67
Stevens Creek	PSC64	SV-JSE-2	SV-MH-26	1133.66	1132.19	1130.12	5.00	0.00	0.00	0.00	5.35	78.59	1.67	-9E+99	4.78	93.93	3.51	0.70
Stevens Creek	PSC65	SV-MH-26	SV-MH-25	1132.19	1130.68	1164.14	5.00	0.00	0.00	0.00	5.34	78.59	1.67	-9E+99	4.78	93.80	3.52	0.70
Stevens Creek	PSC66	SV-MH-25	SV-MH-24	1130.68	1129.78	694.76	5.00	0.00	0.00	0.00	5.33	78.58	1.68	-9E+99	4.77	93.74	3.52	0.71
Stevens Creek	PSC67	SV-MH-24	SV-MH-23	1129.78	1128.88	694.25	5.00	0.00	0.00	0.00	5.31	78.58	1.68	-9E+99	4.78	93.77	3.54	0.71

Table A4 - Pipe Tier 1 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Stevens Creek	PSC68	SV-MH-23	SV-MH-22	1128.88	1127.99	686.11	5.00	0.00	0.00	0.00	5.28	78.58	1.69	-9E+99	4.78	93.80	3.57	0.71
Stevens Creek	PSC69	SV-MH-22	SV-MH-21	1127.99	1127.10	686.11	5.00	0.00	0.00	0.00	5.23	78.58	1.70	-9E+99	4.78	93.80	3.63	0.73
Stevens Creek	PSC70	SV-MH-21	SV-MH-20	1127.10	1126.25	711.93	5.00	0.00	0.00	0.00	5.15	78.58	1.72	-9E+99	4.58	89.99	3.63	0.73
Stevens Creek	PSC71	SV-MH-20	SV-MH-19	1126.25	1125.40	711.93	5.00	0.00	0.00	0.00	5.14	78.58	1.72	-9E+99	4.58	89.99	3.64	0.73
Stevens Creek	PSC72	SV-MH-19	SV-MH-18	1125.40	1124.13	1061.82	5.00	0.00	0.00	0.00	5.13	78.57	1.73	-9E+99	4.59	90.07	3.67	0.73
Stevens Creek	PSC73	SV-MH-18	SV-MH-17	1124.13	1122.86	1061.83	5.00	0.00	0.00	0.00	5.08	78.57	1.74	-9E+99	4.59	90.07	3.73	0.75
Stevens Creek	PSC74	SV-MH-17	SV-MH-16	1122.86	1121.59	1061.83	5.00	0.00	0.00	0.00	4.99	78.57	1.75	-9E+99	4.59	90.07	3.84	0.77
Stevens Creek	PSC75	SV-MH-16	SV-MH-15	1121.59	1120.40	989.96	5.00	0.00	0.00	0.00	4.83	78.57	1.79	-9E+99	4.60	90.30	4.04	0.81
Stevens Creek	PSC76	SV-MH-15	SV-JSE-1	1120.40	1120.11	239.82	5.00	0.00	-1.14	-1.71	4.62	78.57	1.83	-9E+99	4.61	90.57	4.12	0.82
Stevens Creek	PSC77	SV-JSE-1	SV-MH-14	1120.11	1119.65	572.70	5.50	0.00	0.00	0.00	4.51	85.90	2.04	-9E+99	4.01	95.17	4.12	0.75
Stevens Creek	PSC78	SV-MH-14	SV-MH13	1119.65	1118.93	899.99	5.50	0.00	0.00	0.00	4.50	85.90	2.04	-9E+99	4.00	94.98	4.13	0.75
Stevens Creek	PSC79	SV-MH13	SV-MH-12	1118.93	1118.25	850.07	5.50	0.00	0.00	0.00	4.49	85.89	2.05	-9E+99	4.00	94.98	4.15	0.75
Stevens Creek	PSC80	SV-MH-12	SV-MH-11	1118.25	1117.45	997.69	5.50	0.00	0.00	0.00	4.46	85.89	2.05	-9E+99	4.00	95.09	4.18	0.76
Stevens Creek	PSC81	SV-MH-11	SV-MH-10	1117.45	1116.57	1100.00	5.50	0.00	0.00	0.00	4.43	85.89	2.06	-9E+99	4.00	94.98	4.23	0.77
Stevens Creek	PSC82	SV-MH-10	SV-MH-9	1116.57	1115.73	1050.01	5.50	0.00	0.00	0.00	4.38	85.89	2.07	-9E+99	4.00	94.98	4.30	0.78
Stevens Creek	PSC83	SV-MH-9	SV-MH-8	1115.73	1114.89	1050.00	5.50	0.00	0.00	0.00	4.33	85.91	2.09	-9E+99	4.00	94.98	4.39	0.80
Stevens Creek	PSC84	SV-MH-8	SV-E8-1	1114.89	1114.10	987.82	5.50	0.00	-0.87	-3.04	4.26	85.93	2.11	-9E+99	4.00	94.97	4.52	0.82
Stevens Creek	PSC86	SV-E8-2	D8-229	1113.81	1113.24	715.69	6.00	0.00	0.00	0.00	4.59	105.56	2.34	-9E+99	4.23	119.52	4.60	0.77
Stevens Creek	PSC85	SV-E8-1	SV-E8-2	1114.10	1113.81	366.69	6.00	0.00	0.00	0.00	4.62	105.56	2.34	-9E+99	4.21	119.10	4.54	0.76
UNK	L1501	D8-24	D8-25	1138.56	1138.45	86.19	1.75	0.00	0.00	0.00	3.07	7.18	0.53	-9E+99	2.35	5.66	1.65	0.94
UNK	L1502	D8-25	D8-187	1138.45	1138.22	208.96	1.75	0.00	0.00	0.00	3.15	7.18	0.53	-9E+99	2.19	5.26	1.60	0.91
UNK	L1503	D8-187	D7-403	1138.22	1138.02	200.02	1.75	0.00	0.00	0.00	3.55	7.18	0.53	-9E+99	2.08	5.01	1.42	0.81
UNK	L1504	D7-403	C7-151	1138.02	1137.74	49.67	1.75	0.01	0.00	0.00	5.09	7.18	0.47	-9E+99	4.95	11.90	1.01	0.58
UNK	L1507	N1474	A5-42	1142.42	1142.42	404.00	0.67	0.00	0.00	0.00	3.69	1.34	0.18	-9E+99	0.11	0.04	5.00	7.46
UNK	Existing	N1475	C7-427	1130.00	1136.35	625.25	2.00	-0.01	-3.13	-3.58	6.82	18.04	0.59	-9E+99	7.26	22.80	8.65	4.33
UNK	Future	N1475	C7-427	1125.00	1135.35	625.25	3.00	-0.02	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
UNK	OAK-S1-1	N1477	B6-2942	1107.50	1121.50	220.51	2.50	-0.06	-3.80	-19.10	4.40	22.23	0.74	-9E+99	21.05	103.35	16.29	6.52
UNK	OAK-S2-1	N1477	B6-2942	1107.50	1121.50	220.51	2.00	-0.06	-3.22	-10.58	3.75	-14.53	0.60	-9E+99	18.14	57.00	16.29	8.14
UNK	OAK-S3-1	N1477	B6-2942	1107.50	1121.50	220.50	2.50	-0.06	-3.80	-19.10	4.40	22.23	0.74	-9E+99	21.05	103.35	16.29	6.52
UNK	L1516	N1478	N1479	1136.74	1136.74	179.00	0.67	0.00	-2.35	-0.89	5.39	2.34	0.20	-9E+99	0.11	0.04	26.66	39.97
UNK	L1517	N1479	AA7-21	1136.74	1150.26	15.00	0.67	-0.90	-5.62	-2.34	5.63	2.34	0.17	-9E+99	32.88	11.49	21.84	32.74
UNK	L1519	N1482	N1483	1136.89	1136.89	171.69	1.00	0.00	0.00	0.00	6.55	5.95	0.27	-9E+99	0.14	0.11	26.11	26.11
UNK	L1520	N1483	AA7-22	1136.89	1149.76	15.00	1.00	-0.86	-6.52	-5.78	6.72	5.95	0.25	-9E+99	42.02	33.00	22.40	22.40

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Stevens Creek	SV-E8-1	187370.68	225876.11	1137.75	1114.10	0.00	67.50
Stevens Creek	SV-E8-2	187003.99	225876.11	1136.92	1113.81	0.00	0.00
Stevens Creek	SV-JSE-1	190467.16	219034.45	1145.00	1120.11	0.00	7.45
Stevens Creek	SV-JSE-2	195940.92	210588.10	1166.00	1133.66	0.00	9.21
Stevens Creek	SV-JSE-3A	202381.80	200034.38	1189.00	1167.48	0.00	19.77
Stevens Creek	SV-JSE-3B	198795.70	205055.05	1180.00	1149.68	0.00	3.07
Stevens Creek	SV-JSE-4	204050.89	194749.62	1205.00	1181.22	0.00	18.87
Stevens Creek	SV-JSE-5C	202006.94	177215.16	1273.00	1255.32	0.00	11.23
Stevens Creek	SV-MH 82	201346.45	174117.02	1294.00	1271.87	0.00	0.00
Stevens Creek	SV-MH-10	188572.19	223031.70	1137.00	1116.57	0.00	0.00
Stevens Creek	SV-MH-11	189041.87	222037.01	1139.00	1117.45	0.00	0.00
Stevens Creek	SV-MH-12	189467.86	221134.84	1140.00	1118.25	0.00	0.00
Stevens Creek	SV-MH13	189830.82	220366.15	1141.00	1118.93	0.00	0.00
Stevens Creek	SV-MH-14	190196.41	219552.32	1142.00	1119.65	0.00	0.00
Stevens Creek	SV-MH-15	190562.02	218817.59	1147.00	1120.40	0.00	0.00
Stevens Creek	SV-MH-16	191498.24	218495.86	1147.00	1121.59	0.00	0.00
Stevens Creek	SV-MH-17	192198.18	217697.38	1147.00	1122.86	0.00	0.00
Stevens Creek	SV-MH-18	192898.11	216898.89	1149.00	1124.13	0.00	0.00
Stevens Creek	SV-MH-19	193598.04	216117.97	1152.00	1125.40	0.00	0.00
Stevens Creek	SV-MH-20	193754.81	215430.34	1152.00	1126.25	0.00	0.00
Stevens Creek	SV-MH-21	194208.49	214890.37	1156.00	1127.10	0.00	0.00
Stevens Creek	SV-MH-22	194760.97	214483.53	1157.00	1127.99	0.00	0.00
Stevens Creek	SV-MH-23	195313.45	214076.70	1158.00	1128.88	0.00	0.00
Stevens Creek	SV-MH-24	195759.66	213551.55	1159.00	1129.78	0.00	0.00
Stevens Creek	SV-MH-25	195923.96	212882.30	1160.00	1130.68	0.00	0.00
Stevens Creek	SV-MH-26	195932.57	211718.19	1160.00	1132.19	0.00	0.00
Stevens Creek	SV-MH-27	195942.95	210313.80	1165.00	1134.81	0.00	0.00
Stevens Creek	SV-MH-28	196592.50	209420.23	1166.00	1137.46	0.00	0.00
Stevens Creek	SV-MH-29	196649.60	209074.23	1169.00	1138.30	0.00	0.00
Stevens Creek	SV-MH-30	196972.27	208475.84	1169.00	1139.93	0.00	0.00
Stevens Creek	SV-MH-31	197294.94	207877.44	1172.00	1141.56	0.00	0.00
Stevens Creek	SV-MH-32	197479.60	207858.67	1170.00	1142.01	0.00	0.00
Stevens Creek	SV-MH-33	197580.10	207498.85	1170.00	1142.91	0.00	0.00
Stevens Creek	SV-MH-34	198192.29	206600.37	1172.00	1145.52	0.00	0.00
Stevens Creek	SV-MH-35	198804.48	205701.88	1174.00	1148.13	0.00	0.00
Stevens Creek	SV-MH-36	199673.16	205043.24	1179.00	1151.87	0.00	0.00
Stevens Creek	SV-MH-37	199798.46	204558.43	1179.00	1153.08	0.00	0.00
Stevens Creek	SV-MH-38	199798.46	203808.43	1180.00	1154.88	0.00	0.00
Stevens Creek	SV-MH-39	199798.46	203058.43	1190.00	1156.68	0.00	0.00
Stevens Creek	SV-MH-40	200698.46	203058.43	1183.00	1158.84	0.00	0.00
Stevens Creek	SV-MH-41	201314.46	202335.21	1184.00	1161.12	0.00	0.00
Stevens Creek	SV-MH-42	201930.45	201611.99	1186.00	1163.40	0.00	0.00
Stevens Creek	SV-MH-43	202383.59	200834.38	1190.00	1165.56	0.00	0.00
Stevens Creek	SV-MH-44	202379.34	198934.39	1189.00	1170.29	0.00	0.00
Stevens Creek	SV-MH-45	202376.88	197834.39	1195.00	1172.60	0.00	0.00
Stevens Creek	SV-MH-46	202374.42	196734.39	1190.00	1174.91	0.00	0.00
Stevens Creek	SV-MH-47	203172.03	196732.61	1199.00	1176.58	0.00	0.00
Stevens Creek	SV-MH-48	203285.03	196039.37	1200.00	1178.06	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Stevens Creek	SV-MH-49	203667.96	195394.49	1202.00	1179.64	0.00	0.00
Stevens Creek	SV-MH-50	204063.75	193699.69	1208.00	1182.77	0.00	0.00
Stevens Creek	SV-MH-51	204235.17	193006.80	1209.00	1183.47	0.00	0.00
Stevens Creek	SV-MH-52	204426.00	192333.31	1211.00	1184.17	0.00	0.55
Stevens Creek	SV-MH-53	205366.45	192095.70	1211.00	1185.14	0.00	0.00
Stevens Creek	SV-MH-54	205459.86	190999.67	1216.00	1188.39	0.00	0.00
Stevens Creek	SV-MH-55	205552.01	189918.53	1220.00	1191.10	0.00	0.00
Stevens Creek	SV-MH-56	205505.57	189205.10	1221.00	1192.89	0.00	0.95
Stevens Creek	SV-MH-57	205446.98	188305.07	1225.00	1195.14	0.00	0.00
Stevens Creek	SV-MH-58	205388.51	187406.97	1228.00	1197.39	0.00	0.99
Stevens Creek	SV-MH-59	205727.82	187020.36	1236.00	1198.78	0.00	0.00
Stevens Creek	SV-MH-60	205632.92	186610.27	1222.00	1199.93	0.00	0.00
Stevens Creek	SV-MH-61	205595.23	186042.97	1233.00	1202.20	0.00	0.00
Stevens Creek	SV-MH-62	205704.49	185034.68	1241.00	1206.26	0.00	0.00
Stevens Creek	SV-MH-63	205817.60	183990.79	1244.00	1210.46	0.00	0.00
Stevens Creek	SV-MH-64	205397.52	183138.72	1244.00	1214.36	0.00	0.00
Stevens Creek	SV-MH-65	204347.53	183143.67	1261.00	1218.66	0.00	0.00
Stevens Creek	SV-MH-66	203983.12	182801.32	1258.00	1224.66	0.00	0.00
Stevens Creek	SV-MH-67	203918.12	182104.34	1256.00	1230.01	0.00	0.00
Stevens Creek	SV-MH-68	203853.12	181407.37	1271.00	1235.26	0.00	2.28
Stevens Creek	SV-MH-69	203797.40	180809.96	1272.00	1237.54	0.00	0.00
Stevens Creek	SV-MH-70	203566.00	180256.38	1279.00	1239.92	0.00	0.00
Stevens Creek	SV-MH-71	203334.59	179702.80	1264.00	1242.20	0.00	0.00
Stevens Creek	SV-MH-72	203328.55	179352.85	1263.00	1243.63	0.00	0.00
Stevens Creek	SV-MH-73	203320.87	178907.92	1265.00	1246.65	0.00	0.99
Stevens Creek	SV-MH-74	203313.01	178452.98	1265.00	1248.38	0.00	0.00
Stevens Creek	SV-MH-75	202892.19	178025.30	1271.00	1250.76	0.00	0.00
Stevens Creek	SV-MH-76	202449.56	177620.23	1271.00	1253.04	0.00	0.00
Stevens Creek	SV-MH-77	201984.81	176715.65	1274.00	1258.32	0.00	0.00
Stevens Creek	SV-MH-78	201962.68	176216.14	1281.00	1260.82	0.00	0.00
Stevens Creek	SV-MH-79	201940.55	175716.63	1289.00	1263.32	0.00	0.00
Stevens Creek	SV-MH-8	187746.78	224976.94	1135.00	1114.89	0.00	0.00
Stevens Creek	SV-MH-80	201913.99	175117.22	1289.00	1266.32	0.00	0.00
Stevens Creek	SV-MH-81	201617.88	174595.38	1293.00	1269.42	0.00	4.39
Stevens Creek	SV-MH-83	201075.01	173638.67	1296.00	1274.07	0.00	0.00
Stevens Creek	SV-MH-84	200475.02	173641.09	1303.00	1281.52	0.00	0.00
Stevens Creek	SV-MH-85	199925.02	173643.32	1316.00	1292.52	0.00	6.56
Stevens Creek	SV-MH-9	188159.49	223997.20	1137.00	1115.73	0.00	0.00
Oak Creek	A6-119	147098.71	214321.97	1152.99	1145.49	0.00	0.00
Oak Creek	A6-120	147085.59	214771.86	1155.57	1147.07	0.00	0.00
Oak Creek	A6-121	147088.10	215221.75	1156.54	1148.64	0.00	0.00
Oak Creek	A6-122	147090.61	215671.64	1159.12	1150.22	0.00	0.00
Oak Creek	A6-171	152275.94	210788.48	1147.82	1137.82	0.00	0.00
Oak Creek	A6-188	154645.19	212078.09	1144.88	1133.79	0.00	0.00
Oak Creek	A6-189	154150.75	211935.38	1146.22	1134.11	0.00	0.00
Oak Creek	A6-190	153691.58	211807.66	1149.56	1134.36	0.00	0.10
Oak Creek	A6-191	153295.69	211693.31	1147.13	1134.71	0.00	0.00
Oak Creek	A6-192	152757.95	211580.40	1153.80	1134.98	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Oak Creek	A6-193	152364.37	211550.18	1155.95	1135.28	0.00	0.00
Oak Creek	A6-194	151929.44	211348.66	1152.00	1136.24	0.00	4.60
Oak Creek	A6-195	151446.36	211500.29	1151.79	1136.56	0.00	0.00
Oak Creek	A6-196	150947.55	211680.68	1151.96	1137.17	0.00	0.00
Oak Creek	A6-197	150448.86	211860.80	1152.97	1137.61	0.00	1.00
Oak Creek	A6-198	149818.05	212089.20	1152.33	1138.15	0.00	0.00
Oak Creek	A6-199	149199.62	212378.67	1152.38	1138.90	0.00	0.00
Oak Creek	A6-200	148652.45	212621.03	1152.74	1139.37	0.00	0.00
Oak Creek	A6-201	148082.82	212870.28	1157.13	1139.88	0.00	0.00
Oak Creek	A6-202	147860.31	213259.70	1153.71	1140.22	0.00	0.00
Oak Creek	A6-203	147647.84	213650.79	1154.13	1140.92	0.00	0.00
Oak Creek	A6-204	147109.10	213924.40	1154.40	1141.29	0.00	2.60
Oak Creek	A6-205	146788.43	214131.81	1153.97	1141.52	0.00	0.00
Oak Creek	A6-206	146490.00	214231.67	1154.03	1141.23	0.00	0.00
Oak Creek	A6-207	146170.14	214322.24	1153.87	1142.02	0.00	0.00
Oak Creek	A6-208	145892.59	214516.68	1153.17	1142.17	0.00	0.40
Oak Creek	A6-209	145790.14	214563.90	1154.28	1142.11	0.00	0.60
Oak Creek	A6-210	145804.27	214594.96	1154.00	1145.00	0.00	0.00
Oak Creek	A6-232	145244.47	214837.35	1158.41	1142.35	0.00	0.00
Oak Creek	A6-233	144735.27	215036.31	1161.64	1142.68	0.00	0.00
Oak Creek	A6-7	151944.37	211293.49	1147.00	1130.30	0.00	0.00
Oak Creek	A6-92	145775.74	214609.36	1150.46	1144.46	0.00	0.00
Oak Creek	A7-150	147096.95	216080.79	1161.95	1151.65	0.00	0.00
Oak Creek	A7-151	147132.77	216121.55	1161.29	1151.69	0.00	0.00
Oak Creek	A7-170	147136.95	216582.93	1171.00	1153.30	0.00	0.00
Oak Creek	A7-171	147133.39	216351.03	1168.00	1151.99	0.00	0.00
Oak Creek	A8-278	144669.56	226040.76	1197.32	1184.32	0.00	0.00
Oak Creek	A8-279	144716.79	226453.67	1197.82	1184.82	0.00	0.00
Oak Creek	A8-280	144829.52	226494.81	1198.04	1185.04	0.00	0.00
Oak Creek	A9-113	144726.74	226880.60	1194.60	1185.60	0.00	0.00
Oak Creek	A9-114	144666.46	227401.90	1195.23	1186.23	0.00	4.50
Oak Creek	AA6-66	144296.46	215402.01	1161.22	1143.23	0.00	0.00
Oak Creek	AA6-67	144003.57	215709.43	1152.88	1143.52	0.00	0.00
Oak Creek	AA6-68	143265.54	215707.21	1155.43	1143.79	0.00	0.00
Oak Creek	AA7-10	140904.00	217656.56	1164.01	1149.02	0.00	0.00
Oak Creek	AA7-104	138722.53	218399.60	1164.68	1151.13	0.00	0.00
Oak Creek	AA7-106	138002.33	218192.20	1163.83	1153.07	0.00	0.00
Oak Creek	AA7-107	138003.40	218384.15	1165.06	1153.31	0.00	0.00
Oak Creek	AA7-115	138724.84	218788.71	1164.60	1151.67	0.00	0.00
Oak Creek	AA7-116	138004.66	218611.08	1164.84	1153.64	0.00	0.00
Oak Creek	AA7-117	138005.73	218788.09	1164.99	1154.26	0.00	0.00
Oak Creek	AA7-13	140644.06	217704.45	1164.61	1148.99	0.00	0.00
Oak Creek	AA7-135	138006.90	218979.11	1164.69	1154.14	0.00	0.00
Oak Creek	AA7-136	138007.78	219122.12	1164.21	1154.25	0.00	0.00
Oak Creek	AA7-137	138008.54	219247.13	1163.73	1154.42	0.00	0.00
Oak Creek	AA7-139	138735.97	219124.78	1165.53	1152.02	0.00	0.00
Oak Creek	AA7-14	140070.39	217698.89	1164.35	1149.21	0.00	0.00
Oak Creek	AA7-146	138738.30	219469.01	1165.50	1152.36	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Oak Creek	AA7-148	138009.87	219464.15	1165.40	1154.76	0.00	0.00
Oak Creek	AA7-15	139828.37	217697.38	1164.19	1149.19	0.00	0.00
Oak Creek	AA7-16	138970.78	217706.82	1164.54	1149.94	0.00	0.00
Oak Creek	AA7-193	138749.73	219839.17	1165.96	1152.73	0.00	0.00
Oak Creek	AA7-194	138010.96	219642.17	1164.98	1155.01	0.00	0.00
Oak Creek	AA7-195	138012.37	219868.21	1165.65	1155.32	0.00	0.00
Oak Creek	AA7-2	143206.17	216281.67	1156.11	1147.60	0.00	0.00
Oak Creek	AA7-21	138709.73	217718.72	1164.40	1150.26	0.00	0.70
Oak Creek	AA7-22	138712.01	217682.67	1164.35	1149.76	0.00	0.00
Oak Creek	AA7-224	138752.95	220272.65	1166.53	1153.63	0.00	0.00
Oak Creek	AA7-225	138019.73	220057.34	1166.62	1155.42	0.00	0.00
Oak Creek	AA7-226	138021.28	220285.47	1166.28	1155.84	0.00	5.80
Oak Creek	AA7-23	138595.05	217671.94	1163.81	1151.89	0.00	3.60
Oak Creek	AA7-24	138601.05	217716.44	1163.32	1151.74	0.00	0.00
Oak Creek	AA7-244	138785.36	220674.26	1167.83	1153.94	0.00	0.90
Oak Creek	AA7-25	138294.07	217708.56	1163.83	1152.05	0.00	0.00
Oak Creek	AA7-26	138016.78	217710.07	1164.08	1152.35	0.00	0.60
Oak Creek	AA7-267	137816.32	217521.65	1167.36	1154.16	0.00	0.00
Oak Creek	AA7-268	137440.09	217519.31	1168.56	1155.06	0.00	0.00
Oak Creek	AA7-269	137039.65	217521.47	1168.51	1156.01	0.00	0.00
Oak Creek	AA7-270	136789.38	217522.82	1174.10	1157.90	0.00	0.00
Oak Creek	AA7-271	136544.71	217524.14	1176.26	1159.26	0.00	2.20
Oak Creek	AA7-272	136331.29	217508.87	1176.20	1160.70	0.00	0.00
Oak Creek	AA7-273	136019.54	217405.14	1176.36	1162.06	0.00	0.00
Oak Creek	AA7-274	135692.75	217332.99	1179.44	1163.44	0.00	0.00
Oak Creek	AA7-275	135512.02	217156.08	1180.51	1164.51	0.00	0.00
Oak Creek	AA7-276	135269.21	217023.57	1179.26	1165.26	0.00	0.00
Oak Creek	AA7-277	134993.25	216875.94	1187.08	1166.08	0.00	0.00
Oak Creek	AA7-278	134713.65	216999.76	1185.56	1166.86	0.00	0.00
Oak Creek	AA7-279	134499.01	217077.83	1182.07	1167.57	0.00	0.00
Oak Creek	AA7-298	143274.20	216236.56	1158.85	1146.68	0.00	0.00
Oak Creek	AA7-299	138788.85	220705.86	1167.62	1154.10	0.00	0.00
Oak Creek	AA7-3	142804.76	216544.64	1162.98	1147.83	0.00	0.00
Oak Creek	AA7-300	138801.07	220734.99	1167.98	1156.70	0.00	0.00
Oak Creek	AA7-301	138805.06	221294.34	1168.37	1156.92	0.00	0.00
Oak Creek	AA7-303	138435.52	217130.90	1162.85	1152.80	0.00	0.00
Oak Creek	AA7-4	142700.33	216550.22	1164.95	1148.20	0.00	0.00
Oak Creek	AA7-5	141933.67	217018.96	1164.48	1148.58	0.00	0.00
Oak Creek	AA7-6	141266.87	217457.77	1163.50	1149.49	0.00	0.00
Oak Creek	AA7-7	141177.61	217583.11	1165.29	1148.91	0.00	0.00
Oak Creek	AA7-9	141065.38	217619.85	1164.58	1148.94	0.00	0.00
Oak Creek	AA7-91	138001.22	217991.27	1165.45	1152.76	0.00	0.00
Oak Creek	AA7-93	138720.04	217999.49	1164.53	1150.75	0.00	0.00
Oak Creek	AA8-154	138808.78	221803.46	1169.34	1157.06	0.00	0.00
Oak Creek	AA8-155	138815.01	222484.28	1169.79	1157.70	0.00	0.00
Oak Creek	AA8-156	138824.21	222803.60	1169.87	1157.86	0.00	0.00
Oak Creek	AA8-157	138826.78	223251.61	1169.50	1158.21	0.00	0.00
Oak Creek	AA8-158	138834.96	223481.56	1171.76	1158.58	0.00	1.10

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Oak Creek	AA8-159	139148.23	223763.67	1169.50	1158.75	0.00	0.00
Oak Creek	AA8-160	139153.58	224348.10	1170.30	1159.25	0.00	0.00
Oak Creek	AA8-161	139141.09	224927.48	1171.00	1159.66	0.00	0.00
Oak Creek	AA8-162	139146.79	225520.86	1172.40	1160.16	0.00	0.00
Oak Creek	AA8-163	139513.84	225516.56	1172.50	1160.41	0.00	0.00
Oak Creek	AA8-164	139857.96	225502.95	1171.30	1160.65	0.00	2.10
Oak Creek	AA8-165	140348.98	225806.43	1171.70	1161.15	0.00	0.40
Oak Creek	AA8-166	140545.42	225802.84	1172.50	1161.28	0.00	0.00
Oak Creek	AA8-167	140953.75	225706.84	1182.58	1169.32	0.00	0.00
Oak Creek	AA8-168	141549.19	225654.63	1198.70	1179.97	0.00	0.00
Oak Creek	AA8-169	142016.71	225646.65	1196.00	1180.47	0.00	0.00
Oak Creek	AA8-170	142555.61	225865.47	1192.30	1181.12	0.00	0.00
Oak Creek	AA8-171	143004.35	225894.20	1195.70	1181.60	0.00	0.90
Oak Creek	AA8-172	143458.85	225925.12	1197.00	1182.10	0.00	0.00
Oak Creek	AA8-173	143941.14	225820.31	1191.60	1182.65	0.00	0.00
Oak Creek	AA8-174	144461.04	225784.50	1194.30	1183.33	0.00	3.20
Oak Creek	AA8-175	141287.07	225677.27	1184.60	1174.99	0.00	0.00
Oak Creek	AA8-176	141341.61	225639.38	1190.90	1176.44	0.00	0.00
Oak Creek	BB7-1	134130.61	217046.02	1182.50	1168.75	0.00	0.00
Oak Creek	BB7-10	131955.18	218331.19	1208.00	1191.89	0.00	0.00
Oak Creek	BB7-11	131601.82	218437.40	1204.25	1193.00	0.00	4.10
Oak Creek	BB7-2	133912.14	217205.02	1183.50	1172.35	0.00	0.00
Oak Creek	BB7-27	133782.82	217299.15	1183.22	1173.22	0.00	0.00
Oak Creek	BB7-3	133693.67	217364.03	1188.50	1176.02	0.00	0.00
Oak Creek	BB7-4	133477.66	217521.25	1191.50	1180.00	0.00	0.00
Oak Creek	BB7-5	133296.38	217653.18	1200.00	1184.00	0.00	0.00
Oak Creek	BB7-6	133113.80	217786.28	1203.00	1188.00	0.00	0.00
Oak Creek	BB7-7	132883.76	217954.11	1206.00	1188.85	0.00	0.00
Oak Creek	BB7-8	132655.26	218120.78	1206.75	1189.70	0.00	0.00
Oak Creek	BB7-9	132309.06	218224.83	1207.00	1190.79	0.00	0.00
Oak Creek	LIFTSTA	152251.89	210824.16	1146.00	1137.72	0.00	0.00
Middle & West O	A4-13	149694.09	200945.73	1149.93	1138.03	0.00	0.00
Middle & West O	A4-134	146212.25	204054.85	1151.25	1140.20	0.00	0.00
Middle & West O	A4-135	145795.72	204000.73	1156.30	1140.66	0.00	0.00
Middle & West O	A4-136	145374.97	203946.31	1157.00	1141.12	0.00	0.00
Middle & West O	A4-137	144868.16	203880.19	1159.00	1141.68	0.00	0.00
Middle & West O	A4-14	149691.32	201433.99	1150.66	1137.06	0.00	0.00
Middle & West O	A4-15	150103.81	201431.94	1150.63	1136.13	0.00	0.00
Middle & West O	A4-16	150647.28	201429.45	1149.93	1135.23	0.00	0.00
Middle & West O	A4-164	149697.12	200545.51	1150.43	1138.83	0.00	0.00
Middle & West O	A4-17	151222.22	201426.59	1150.98	1134.08	0.00	0.00
Middle & West O	A4-18	151797.06	201423.20	1150.43	1132.93	0.00	0.00
Middle & West O	A4-19	152343.58	201420.95	1150.14	1131.84	0.00	0.00
Middle & West O	A4-20	152409.98	201376.73	1150.18	1131.68	0.00	0.00
Middle & West O	A4-206	153076.08	201380.38	1162.75	1142.75	0.00	0.00
Middle & West O	A4-21	153001.21	201376.92	1151.00	1131.00	0.00	0.00
Middle & West O	A4-41	154149.65	201388.42	1149.40	1142.70	0.00	0.00
Middle & West O	A4-42	154599.05	201388.34	1151.69	1141.49	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Middle & West O	A4-43	154806.49	201315.73	1148.34	1140.94	0.00	0.00
Middle & West O	A4-65	154095.79	205063.04	1147.00	1126.99	0.00	0.00
Middle & West O	A4-66	154017.90	204655.12	1142.00	1127.88	0.00	0.00
Middle & West O	A4-67	153517.59	204669.25	1143.00	1128.68	0.00	0.00
Middle & West O	A4-68	153081.84	204681.56	1141.00	1129.38	0.00	0.00
Middle & West O	A4-69	152752.06	204690.91	1142.00	1129.91	0.00	0.00
Middle & West O	A4-70	152218.50	204706.03	1143.00	1130.76	0.00	0.00
Middle & West O	A4-71	151825.68	204717.16	1148.50	1131.39	0.00	0.00
Middle & West O	A4-72	151323.00	204883.38	1145.50	1132.24	0.00	0.00
Middle & West O	A4-73	150837.18	204647.89	1145.50	1133.10	0.00	0.00
Middle & West O	A4-74	150267.05	204581.60	1146.50	1134.02	0.00	0.00
Middle & West O	A4-75	149730.65	204518.55	1148.00	1134.88	0.00	0.00
Middle & West O	A4-76	149246.49	204452.04	1148.20	1135.70	0.00	0.00
Middle & West O	A4-77	148707.75	204384.36	1149.50	1136.50	0.00	0.00
Middle & West O	A4-78	148210.30	204316.39	1145.80	1137.30	0.00	0.00
Middle & West O	A4-79	147717.12	204249.56	1146.10	1138.10	0.00	0.00
Middle & West O	A4-80	147221.32	204185.73	1144.00	1138.90	0.00	0.00
Middle & West O	A4-81	146626.81	204108.72	1154.35	1139.85	0.00	0.00
Middle & West O	A4-82	149698.92	200141.52	1156.70	1139.70	0.00	6.00
Middle & West O	A5-129	154163.87	205397.08	1145.98	1126.18	0.00	0.00
Middle & West O	A5-141	154229.08	205748.42	1147.52	1125.42	0.00	0.00
Middle & West O	A5-42	154606.46	205841.46	1147.42	1142.42	0.00	0.00
Middle & West O	A5-43	154664.65	205801.59	1147.33	1142.23	0.00	0.00
Middle & West O	AA4-17	139221.74	203635.55	1162.28	1147.28	0.00	5.00
Middle & West O	AA4-18	139459.20	203652.39	1162.08	1147.08	0.00	0.00
Middle & West O	AA4-20	139882.19	203681.65	1161.74	1146.74	0.00	0.00
Middle & West O	AA4-21	139982.22	204037.30	1161.44	1146.44	0.00	0.00
Middle & West O	AA4-22	140092.98	204431.10	1159.11	1144.11	0.00	0.00
Middle & West O	AA4-23	140766.55	204620.57	1160.55	1145.55	0.00	0.00
Middle & West O	AA4-24	141249.99	204377.26	1160.55	1145.55	0.00	0.00
Middle & West O	AA4-25	141542.31	204230.14	1159.86	1144.86	0.00	0.00
Middle & West O	AA4-26	141754.13	203952.06	1159.55	1144.55	0.00	0.00
Middle & West O	AA4-27	141753.01	203752.50	1159.39	1144.39	0.00	0.00
Middle & West O	AA4-28	142416.72	203794.98	1158.89	1143.89	0.00	0.00
Middle & West O	AA4-29	143037.43	203822.57	1158.36	1143.36	0.00	0.00
Middle & West O	AA4-3	144353.32	203803.78	1157.23	1142.23	0.00	0.00
Middle & West O	AA4-30	143243.02	203835.67	1158.20	1143.20	0.00	0.00
Middle & West O	AA4-31	143891.60	203878.60	1157.84	1142.84	0.00	0.00
Middle & West O	AA4-32	144334.25	203923.35	1157.34	1142.34	0.00	0.00
Middle & West O	AA4-33	144326.91	203802.78	1157.26	1142.26	0.00	0.00
Middle & West O	B5-52	155133.60	205799.10	1147.40	1140.30	0.00	0.00
Middle & West O	B5-54	155553.45	205813.61	1147.07	1139.07	0.00	0.00
Middle & West O	B5-56	155961.18	205813.10	1147.20	1137.10	0.00	0.00
Middle & West O	B5-615	156323.73	205820.86	1144.78	1134.78	0.00	0.00
Middle & West O	LSTA	153051.39	201377.49	1153.39	1140.00	0.00	0.00
Middle & West O	LSTA2	154233.01	205841.54	1147.42	1123.00	0.00	0.00
Lynn Creek	A8-10	154337.75	223685.10	1200.84	1187.84	0.00	0.00
Lynn Creek	A8-11	154162.66	224079.50	1203.16	1190.66	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Lynn Creek	A8-13	153983.45	224481.78	1204.22	1193.02	0.00	0.00
Lynn Creek	A8-140	154603.91	223372.93	1193.95	1183.45	0.00	0.00
Lynn Creek	A8-159	154460.67	223539.18	1200.27	1185.24	0.00	0.00
Lynn Creek	A8-16	153804.91	224885.36	1206.63	1195.33	0.00	0.00
Lynn Creek	A8-17	153699.10	225123.71	1213.44	1196.44	0.00	2.26
Lynn Creek	A8-2	155062.05	222383.55	1189.64	1175.04	0.00	0.00
Lynn Creek	A8-5	155061.42	222713.45	1189.21	1177.01	0.00	0.00
Lynn Creek	A8-6	155060.94	223032.34	1189.88	1178.38	0.00	0.00
Lynn Creek	A8-7	154795.91	223111.00	1190.30	1179.60	0.00	0.00
Lynn Creek	A8-8	154584.11	223173.75	1191.74	1181.74	0.00	0.00
Lynn Creek	A8-86	153903.13	224677.87	1206.82	1194.22	0.00	3.14
Lynn Creek	B7-331	157999.26	216520.53	1153.14	1138.84	0.00	0.00
Lynn Creek	B7-332	157816.94	217022.87	1154.00	1141.00	0.00	1.09
Lynn Creek	B7-333	157544.29	217179.19	1156.49	1142.29	0.00	0.00
Lynn Creek	B7-334	157275.49	217247.03	1156.57	1144.57	0.00	0.00
Lynn Creek	B7-335	157175.49	217751.75	1170.20	1147.59	0.00	0.00
Lynn Creek	B7-336	157078.28	218242.28	1160.80	1151.00	0.00	0.00
Lynn Creek	B7-337	157000.26	218706.62	1163.86	1153.46	0.00	2.49
Lynn Creek	B7-338	156891.50	218988.47	1165.80	1155.40	0.00	0.00
Lynn Creek	B7-339	156711.76	219458.39	1167.80	1159.80	0.00	0.00
Lynn Creek	B7-340	156547.62	219930.79	1176.97	1162.57	0.00	0.00
Lynn Creek	B7-341	156385.14	220395.31	1179.97	1163.07	0.00	0.00
Lynn Creek	B7-342	156261.04	220797.40	1188.00	1171.00	0.00	0.00
Lynn Creek	B7-343	156083.34	221210.39	1187.97	1171.57	0.00	0.40
Lynn Creek	B7-435	156352.02	220500.33	1182.60	1167.60	0.00	0.00
Lynn Creek	B8-67	155947.30	221508.31	1182.80	1172.00	0.00	0.00
Lynn Creek	B8-68	155733.24	221962.27	1185.52	1173.12	0.00	0.00
Lynn Creek	B8-69	155389.11	222334.97	1189.25	1174.25	0.00	0.00
Little Salt	B9-14	163118.17	228592.15	1166.82	1156.46	0.00	0.00
Little Salt	B9-15	163357.90	228225.63	1163.65	1153.83	0.00	0.00
Little Salt	B9-16	163870.48	227825.93	1162.60	1150.17	0.00	0.00
Little Salt	B9-17	164271.58	227513.16	1165.88	1147.31	0.00	0.00
Little Salt	B9-18	164686.48	227501.88	1163.07	1145.00	0.00	0.00
Little Salt	B9-19	165039.04	227510.37	1159.82	1141.45	0.00	0.00
Little Salt	B9-20	165415.32	227491.23	1156.53	1137.95	0.00	0.00
Little Salt	B9-21	165474.31	227336.60	1152.04	1136.06	0.00	0.00
Little Salt	B9-22	165556.67	227113.53	1153.19	1134.14	0.00	0.00
Little Salt	B9-39	165773.02	226992.28	1154.75	1132.26	0.00	0.00
Little Salt	B9-52	165235.72	227491.88	1158.00	1139.74	0.00	0.00
Little Salt	B9-68	162112.60	229419.36	1186.02	1169.02	0.00	0.00
Little Salt	B9-69	162448.07	229052.48	1175.99	1164.99	0.00	0.00
Little Salt	B9-70	162787.97	228820.43	1176.35	1161.35	0.00	0.00
Little Salt	B9-71	161614.14	229153.16	1192.17	1174.17	0.00	0.00
Little Salt	B9-72	161279.86	229081.79	1193.83	1182.83	0.00	0.00
Little Salt	B9-73	160879.83	229073.10	1197.99	1183.99	0.00	7.66
Little Salt	B9-74	160373.49	229091.47	1197.55	1185.45	0.00	3.99
Little Salt	C-11	167200.32	218802.95	1145.00	1122.00	0.00	0.00
Little Salt	C6-101	173930.71	212561.58	1163.82	1150.82	0.00	3.23

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	C6-105	174281.70	212521.31	1163.66	1151.76	0.00	0.00
Little Salt	C6-107	173502.01	212558.52	1161.23	1149.33	0.00	0.00
Little Salt	C6-126	173481.40	213277.80	1160.70	1146.20	0.00	0.00
Little Salt	C6-127	173169.32	213278.73	1157.61	1144.83	0.00	0.00
Little Salt	C6-131	172814.35	213279.24	1156.54	1143.24	0.00	0.00
Little Salt	C6-132	172448.77	213279.76	1155.87	1141.67	0.00	0.00
Little Salt	C6-134	172102.79	213271.02	1155.27	1140.17	0.00	0.00
Little Salt	C6-169	166133.93	213933.94	1143.50	1127.00	0.00	0.00
Little Salt	C6-171	166248.40	213771.56	1143.76	1127.26	0.00	0.00
Little Salt	C6-172	166391.15	213859.99	1143.69	1133.19	0.00	0.87
Little Salt	C6-175	167102.06	213973.31	1143.36	1128.46	0.00	0.00
Little Salt	C6-177	167430.20	213974.25	1144.85	1128.85	0.00	0.00
Little Salt	C6-180	167849.36	213975.45	1144.86	1129.36	0.00	0.00
Little Salt	C6-181	168226.71	213976.53	1146.52	1129.82	0.00	0.85
Little Salt	C6-184	168569.86	213977.51	1147.38	1130.38	0.00	0.00
Little Salt	C6-186	168765.89	213916.85	1148.03	1130.53	0.00	0.00
Little Salt	C6-187	168866.30	213917.14	1147.40	1131.40	0.00	0.00
Little Salt	C6-188	168968.30	213977.24	1146.31	1131.61	0.00	0.75
Little Salt	C6-189	169227.49	213977.98	1145.25	1131.05	0.00	0.00
Little Salt	C6-190	169586.02	213979.00	1146.53	1132.33	0.00	0.00
Little Salt	C6-191	169945.55	213980.02	1146.17	1132.77	0.00	0.00
Little Salt	C6-192	170306.81	213980.03	1147.79	1133.24	0.00	0.00
Little Salt	C6-193	170673.92	213985.64	1149.39	1133.69	0.00	0.00
Little Salt	C6-194	171047.89	213978.83	1153.25	1134.15	0.00	0.00
Little Salt	C6-195	171411.63	213968.68	1151.66	1135.62	0.00	1.76
Little Salt	C6-197	172125.61	213969.00	1152.88	1136.88	0.00	0.60
Little Salt	C6-199	172126.22	213589.51	1154.52	1138.82	0.00	0.00
Little Salt	C6-230	171415.74	214148.93	1152.54	1135.88	0.00	0.00
Little Salt	C6-242	166396.00	214143.45	1143.04	1131.46	0.00	0.00
Little Salt	C6-244	165902.87	214302.12	1142.12	1127.42	0.00	0.00
Little Salt	C6-245	166055.61	214673.65	1141.96	1127.96	0.00	0.00
Little Salt	C6-246	166204.35	215045.18	1141.02	1128.52	0.00	0.00
Little Salt	C6-251	166509.84	215788.24	1141.62	1129.62	0.00	1.29
Little Salt	C6-252	166355.45	215404.72	1143.38	1129.08	0.00	0.00
Little Salt	C6-262	171404.52	214883.79	1149.90	1136.96	0.00	0.00
Little Salt	C6-294	168692.23	213933.78	1148.08	1130.58	0.00	2.57
Little Salt	C6-302	168303.40	213976.72	1143.05	1130.05	0.00	4.64
Little Salt	C6-313	171403.93	215240.25	1149.80	1137.49	0.00	0.00
Little Salt	C6-334	171403.40	215558.09	1148.41	1137.95	0.00	0.00
Little Salt	C6-349	165749.94	213930.73	1140.73	1126.03	0.00	1.52
Little Salt	C6-351	175812.91	211068.06	1172.28	1156.28	0.00	0.00
Little Salt	C6-352	171405.12	214519.78	1150.76	1136.44	0.00	0.00
Little Salt	C6-375	171403.03	215406.81	1148.90	1137.70	0.00	0.00
Little Salt	C6-388	171752.03	213968.77	1151.47	1135.97	0.00	0.00
Little Salt	C6-393	166571.63	213971.80	1143.67	1127.77	0.00	0.00
Little Salt	C6-399	171043.49	214339.43	1150.00	1133.20	0.00	0.00
Little Salt	C6-400	171038.87	214674.58	1149.50	1132.70	0.00	0.00
Little Salt	C6-406	171038.29	215025.80	1148.64	1132.04	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	C6-407	171047.57	215459.02	1146.60	1131.60	0.00	0.00
Little Salt	C6-431	165691.68	214137.78	1143.89	1131.05	0.00	0.00
Little Salt	C6-432	165674.64	214137.03	1143.89	1131.05	0.00	0.00
Little Salt	C6-448	170950.09	215906.22	1148.92	1129.92	0.00	0.00
Little Salt	C6-449	171014.19	215906.30	1148.53	1130.03	0.00	0.00
Little Salt	C6-450	171046.88	215876.35	1148.13	1130.13	0.00	0.00
Little Salt	C6-452	171402.36	215888.92	1150.42	1138.42	0.00	0.00
Little Salt	C6-480	176067.34	210808.72	1170.67	1156.72	0.00	0.00
Little Salt	C6-49	175432.23	211441.64	1170.19	1155.19	0.00	0.00
Little Salt	C6-492	167329.70	213973.97	1143.95	1131.69	0.00	0.59
Little Salt	C6-495	166585.83	215813.28	1147.75	1132.75	0.00	0.00
Little Salt	C6-496	166477.78	215573.27	1147.75	1132.43	0.00	0.00
Little Salt	C6-497	166268.92	214977.67	1146.68	1131.68	0.00	0.00
Little Salt	C6-498	166104.87	214581.10	1146.36	1131.36	0.00	0.00
Little Salt	C6-499	165929.85	214133.65	1146.00	1131.00	0.00	0.00
Little Salt	C6-500	165849.91	213931.46	1141.50	1126.50	0.00	0.00
Little Salt	C6-56	175175.69	211694.33	1169.04	1154.44	0.00	0.00
Little Salt	C6-89	174895.02	211972.05	1168.90	1153.70	0.00	0.00
Little Salt	C6-95	174651.51	212244.05	1165.68	1152.95	0.00	1.11
Little Salt	C7-151	176186.11	221101.72	1150.84	1137.74	0.00	0.00
Little Salt	C7-152	176035.31	221185.39	1150.50	1137.40	0.00	0.00
Little Salt	C7-155	175694.09	221212.79	1149.23	1136.73	0.00	0.00
Little Salt	C7-158	175393.76	221198.82	1146.56	1136.06	0.00	0.00
Little Salt	C7-159	175110.18	221206.07	1144.58	1135.38	0.00	0.00
Little Salt	C7-162	174299.70	221168.36	1142.47	1133.15	0.00	0.50
Little Salt	C7-164	174228.24	220904.54	1141.65	1133.15	0.00	0.00
Little Salt	C7-165	174193.59	220776.62	1141.86	1132.96	0.00	0.00
Little Salt	C7-166	173868.82	220553.30	1142.29	1132.49	0.00	0.00
Little Salt	C7-167	173575.64	220388.18	1144.42	1131.92	0.00	0.00
Little Salt	C7-170	173358.98	220185.75	1143.32	1131.32	0.00	0.00
Little Salt	C7-175	173140.45	219928.06	1144.50	1130.67	0.00	0.00
Little Salt	C7-176	171343.07	218960.04	1136.10	1128.10	0.00	0.00
Little Salt	C7-182	172853.06	219625.62	1141.36	1130.00	0.00	0.00
Little Salt	C7-183	172695.61	219462.75	1142.74	1129.64	0.00	0.00
Little Salt	C7-184	172451.38	219196.63	1145.91	1129.61	0.00	0.00
Little Salt	C7-185	172234.00	218954.74	1148.36	1129.18	0.00	0.00
Little Salt	C7-194	171883.30	218958.04	1145.93	1128.73	0.00	0.00
Little Salt	C7-231	166692.94	216247.36	1145.00	1130.13	0.00	0.00
Little Salt	C7-232	171546.11	218959.15	1138.28	1128.28	0.00	0.00
Little Salt	C7-233	171194.49	218960.60	1238.73	1127.83	0.00	0.00
Little Salt	C7-255	171402.11	215922.32	1150.77	1138.47	0.00	0.00
Little Salt	C7-276	170896.79	218421.46	1139.21	1126.21	0.00	0.00
Little Salt	C7-281	173058.05	219857.33	1144.81	1130.45	0.00	0.00
Little Salt	C7-29	171402.11	216258.80	1153.36	1138.96	0.00	0.00
Little Salt	C7-30	171403.96	216626.70	1150.19	1139.49	0.00	0.00
Little Salt	C7-303	165759.58	218071.83	1144.43	1129.03	0.00	2.20
Little Salt	C7-304	166014.88	218343.97	1141.83	1128.63	0.00	0.00
Little Salt	C7-305	166269.08	218549.91	1141.00	1128.10	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	C7-306	166558.51	218672.01	1142.53	1127.63	0.00	0.00
Little Salt	C7-307	166927.06	218823.52	1143.03	1127.03	0.00	0.00
Little Salt	C7-308	167207.78	218928.13	1141.58	1126.58	0.00	0.00
Little Salt	C7-309	167337.03	218930.60	1141.97	1124.57	0.00	2.54
Little Salt	C7-310	167461.13	219381.52	1142.04	1124.74	0.00	0.00
Little Salt	C7-311	167553.86	219821.88	1142.02	1124.92	0.00	0.00
Little Salt	C7-312	167656.88	220311.18	1142.02	1125.12	0.00	0.00
Little Salt	C7-313	167759.93	220800.48	1142.02	1125.32	0.00	0.00
Little Salt	C7-314	167835.11	221157.38	1141.97	1125.47	0.00	0.00
Little Salt	C7-316	173213.03	220011.25	1144.09	1130.89	0.00	2.69
Little Salt	C7-33	171588.84	216626.70	1149.60	1140.20	0.00	0.00
Little Salt	C7-338	166820.82	216627.97	1139.06	1130.56	0.00	0.00
Little Salt	C7-339	166940.20	217008.72	1139.04	1131.04	0.00	0.00
Little Salt	C7-340	167075.27	217435.64	1139.38	1131.58	0.00	0.00
Little Salt	C7-341	167149.18	217774.96	1137.80	1132.00	0.00	0.00
Little Salt	C7-343	167301.07	218851.97	1143.04	1125.54	0.00	0.00
Little Salt	C7-375	170910.39	221187.60	1138.00	1122.98	0.00	0.00
Little Salt	C7-376	170909.03	220749.52	1137.52	1123.22	0.00	0.00
Little Salt	C7-377	170906.77	220314.47	1138.48	1123.48	0.00	0.00
Little Salt	C7-378	170904.46	219869.42	1140.45	1124.55	0.00	0.00
Little Salt	C7-379	170902.10	219414.37	1139.34	1125.14	0.00	0.00
Little Salt	C7-380	170899.72	218956.32	1139.73	1125.73	0.00	0.00
Little Salt	C7-381	170897.92	218609.28	1140.04	1126.04	0.00	0.00
Little Salt	C7-382	170895.97	218264.54	1139.85	1126.35	0.00	0.00
Little Salt	C7-383	170893.97	217882.08	1143.20	1126.70	0.00	0.00
Little Salt	C7-384	171316.87	217284.99	1144.72	1128.55	0.00	0.00
Little Salt	C7-385	171319.62	217224.86	1144.79	1128.60	0.00	0.00
Little Salt	C7-386	170931.30	216905.25	1146.23	1128.98	0.00	0.00
Little Salt	C7-387	170927.15	216798.10	1147.01	1129.09	0.00	0.29
Little Salt	C7-390	170905.48	216257.24	1150.69	1129.69	0.00	0.00
Little Salt	C7-391	170906.14	215982.29	1146.22	1129.90	0.00	0.00
Little Salt	C7-395	170906.94	216534.13	1148.65	1129.32	0.00	0.00
Little Salt	C7-396	171095.39	217599.61	1147.21	1127.01	0.00	0.00
Little Salt	C7-398	174888.84	221208.99	1143.71	1134.71	0.00	0.00
Little Salt	C7-427	167250.87	218181.55	1148.35	1135.35	0.00	0.00
Little Salt	C7-428	167203.29	217808.56	1147.96	1134.96	0.00	0.00
Little Salt	C7-429	167104.69	217398.15	1145.52	1134.52	0.00	0.00
Little Salt	C7-430	166919.11	216683.14	1143.72	1133.72	0.00	0.00
Little Salt	C7-431	166665.45	216018.56	1147.96	1132.96	0.00	0.00
Little Salt	C8-10	168533.72	224446.19	1151.99	1129.09	0.00	0.00
Little Salt	C8-102	175004.67	222306.42	1144.50	1130.50	0.00	0.00
Little Salt	C8-11	168594.52	224870.86	1143.00	1129.30	0.00	0.00
Little Salt	C8-115	168428.50	223897.55	1149.69	1128.69	0.00	0.00
Little Salt	C8-12	168647.33	225252.53	1141.05	1129.65	0.00	0.00
Little Salt	C8-122	168111.21	222471.36	1141.69	1127.69	0.00	2.06
Little Salt	C8-13	168304.67	225521.48	1140.98	1129.88	0.00	0.00
Little Salt	C8-14	167958.93	225809.52	1141.02	1130.12	0.00	0.00
Little Salt	C8-15	167594.83	226088.40	1140.95	1130.35	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	C8-16	167226.03	226407.89	1142.32	1130.52	0.00	0.00
Little Salt	C8-20	176240.27	225876.30	1137.77	1116.57	0.00	0.00
Little Salt	C8-21	176215.35	225385.86	1137.67	1116.87	0.00	0.00
Little Salt	C8-22	176226.22	224895.91	1140.96	1117.16	0.00	0.00
Little Salt	C8-23	176219.20	224405.96	1137.05	1117.45	0.00	0.00
Little Salt	C8-24	176212.23	223920.14	1139.74	1117.74	0.00	0.00
Little Salt	C8-25	176150.51	223862.43	1139.49	1117.79	0.00	0.00
Little Salt	C8-26	175683.85	223871.87	1137.62	1118.02	0.00	0.00
Little Salt	C8-27	175397.31	223878.61	1138.65	1118.25	0.00	0.00
Little Salt	C8-28	175031.54	223892.40	1141.48	1118.48	0.00	0.00
Little Salt	C8-29	174579.49	223879.90	1142.84	1119.24	0.00	0.00
Little Salt	C8-30	174139.50	223883.19	1136.51	1119.51	0.00	0.00
Little Salt	C8-31	173609.87	223883.05	1136.97	1119.77	0.00	0.00
Little Salt	C8-32	173109.79	223886.71	1135.97	1120.07	0.00	0.00
Little Salt	C8-33	172634.64	223890.18	1136.96	1120.36	0.00	0.00
Little Salt	C8-34	172164.98	223893.61	1133.44	1120.64	0.00	4.57
Little Salt	C8-35	172103.67	223827.11	1135.99	1120.69	0.00	0.00
Little Salt	C8-36	172102.40	223298.28	1136.50	1121.00	0.00	0.00
Little Salt	C8-37	172101.17	222788.28	1137.51	1121.31	0.00	0.00
Little Salt	C8-38	172100.06	222272.91	1138.02	1121.62	0.00	0.00
Little Salt	C8-39	172098.97	221758.05	1147.73	1121.93	0.00	0.00
Little Salt	C8-4	167945.94	221675.99	1143.02	1126.92	0.00	0.00
Little Salt	C8-40	172097.99	221295.98	1145.04	1122.21	0.00	0.00
Little Salt	C8-41	172069.23	221268.68	1142.73	1122.23	0.00	0.00
Little Salt	C8-42	171705.51	221267.51	1133.75	1122.45	0.00	0.00
Little Salt	C8-43	171345.50	221266.35	1138.77	1122.67	0.00	0.00
Little Salt	C8-44	170984.84	221267.01	1137.99	1122.89	0.00	0.00
Little Salt	C8-45	175029.78	223438.89	1142.13	1123.23	0.00	0.00
Little Salt	C8-46	175019.44	222992.66	1145.48	1125.48	0.00	0.00
Little Salt	C8-47	175010.58	222544.79	1142.92	1127.72	0.00	0.00
Little Salt	C8-48	175000.23	222081.99	1142.27	1129.97	0.00	0.00
Little Salt	C8-49	174989.89	221642.16	1142.22	1132.22	0.00	0.00
Little Salt	C8-5	168052.30	222193.45	1143.04	1127.34	0.00	0.00
Little Salt	C8-50	174870.62	221234.14	1143.60	1134.51	0.00	0.00
Little Salt	C8-51	174963.13	221271.12	1143.57	1134.27	0.00	0.00
Little Salt	C8-6	168158.09	222682.13	1138.96	1127.76	0.00	0.00
Little Salt	C8-7	168265.77	223170.40	1138.99	1128.19	0.00	0.00
Little Salt	C8-70	174995.80	221894.82	1147.64	1130.84	0.00	0.00
Little Salt	C8-71	167980.11	221855.07	1143.36	1127.06	0.00	0.00
Little Salt	C8-8	168373.90	223646.30	1141.03	1128.53	0.00	0.00
Little Salt	C8-9	168464.31	224058.36	1148.02	1128.82	0.00	0.00
Little Salt	C8-90	167853.44	221243.46	1140.54	1126.54	0.00	3.40
Little Salt	C8-92	168413.39	223827.37	1148.13	1128.63	0.00	0.00
Little Salt	C9-1	166804.95	226569.22	1141.04	1130.84	0.00	0.00
Little Salt	C9-10	176253.48	226886.06	1134.37	1115.57	0.00	0.00
Little Salt	C9-12	166356.15	228409.62	1144.86	1134.03	0.00	2.47
Little Salt	C9-13	166494.20	228065.27	1146.55	1133.07	0.00	8.74
Little Salt	C9-14	166491.54	227530.90	1147.63	1132.63	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	C9-2	166326.33	226734.35	1141.99	1131.09	0.00	0.00
Little Salt	C9-23	166477.60	227165.82	1151.35	1132.35	0.00	0.00
Little Salt	C9-3	165930.04	226872.30	1144.03	1131.33	0.00	0.00
Little Salt	C9-4	165769.46	226873.48	1144.91	1131.41	0.00	2.63
Little Salt	C9-50	168136.16	226538.11	1150.73	1133.38	0.00	0.00
Little Salt	C9-51	167678.14	226549.96	1140.79	1132.79	0.00	0.00
Little Salt	C9-52	167367.49	226685.52	1147.97	1132.37	0.00	0.00
Little Salt	C9-6	176282.31	228919.76	1135.70	1114.50	0.00	0.00
Little Salt	C9-7	176275.33	228430.38	1135.35	1114.85	0.00	0.00
Little Salt	C9-8	176268.05	227920.43	1134.61	1115.21	0.00	0.00
Little Salt	C9-9	176274.31	227400.51	1142.27	1115.39	0.00	0.00
Little Salt	D4-262	184011.00	204268.89	1225.00	1215.00	0.00	4.47
Little Salt	D4-462	184123.96	205028.29	1223.35	1208.35	0.00	1.33
Little Salt	D4-463	184115.45	204542.75	1227.49	1212.19	0.00	0.00
Little Salt	D4-481	182357.05	205250.32	1202.40	1195.50	0.00	0.18
Little Salt	D4-482	182753.82	205253.49	1204.80	1197.90	0.00	0.00
Little Salt	D4-483	182790.42	205227.77	1204.97	1198.17	0.00	0.00
Little Salt	D4-484	183184.39	205230.91	1213.52	1200.52	0.00	0.00
Little Salt	D4-485	183511.86	205239.31	1218.03	1202.83	0.00	0.00
Little Salt	D4-486	183939.65	205242.68	1220.97	1204.97	0.00	1.62
Little Salt	D5-119	180236.17	206844.07	1198.10	1177.60	0.00	0.00
Little Salt	D5-121	179950.92	207044.12	1194.74	1176.14	0.00	2.47
Little Salt	D5-122	179631.01	207257.43	1191.12	1173.72	0.00	0.00
Little Salt	D5-151	179332.23	207466.97	1189.58	1171.48	0.00	0.00
Little Salt	D5-152	179027.63	207680.60	1185.72	1169.22	0.00	0.00
Little Salt	D5-153	179027.68	207897.41	1189.51	1167.61	0.00	1.88
Little Salt	D5-16	181762.46	205665.67	1204.17	1191.17	0.00	0.00
Little Salt	D5-17	182061.33	205457.51	1210.44	1193.34	0.00	0.00
Little Salt	D5-209	178457.18	208586.60	1178.90	1164.60	0.00	0.00
Little Salt	D5-210	178840.54	208470.99	1185.25	1165.43	0.00	0.55
Little Salt	D5-213	178999.12	208255.11	1188.27	1166.57	0.00	0.00
Little Salt	D5-275	178112.13	208790.69	1178.92	1163.32	0.00	0.00
Little Salt	D5-276	177826.78	209077.76	1181.48	1161.98	0.00	0.00
Little Salt	D5-324	177568.75	209470.34	1176.50	1160.20	0.00	0.90
Little Salt	D5-325	177197.26	209792.68	1175.03	1159.43	0.00	0.00
Little Salt	D5-326	176830.47	210110.37	1173.46	1158.66	0.00	0.00
Little Salt	D5-339	176459.68	210432.90	1173.10	1157.90	0.00	0.00
Little Salt	D5-386	179027.77	207986.46	1184.19	1167.34	0.00	0.00
Little Salt	D5-414	179956.62	206576.49	1193.07	1177.07	0.00	0.00
Little Salt	D5-417	182249.10	205325.51	1206.94	1194.94	0.00	0.00
Little Salt	D5-434	179027.88	208091.54	1185.05	1166.85	0.00	0.00
Little Salt	D5-45	181461.20	205875.79	1203.59	1184.49	0.00	0.76
Little Salt	D5-46	181462.07	205979.41	1203.16	1183.96	0.00	0.00
Little Salt	D5-482	178697.16	208516.34	1184.46	1165.36	0.00	0.00
Little Salt	D5-483	179491.40	207346.10	1190.90	1172.70	0.00	0.00
Little Salt	D5-51	181424.12	205995.04	1202.37	1182.37	0.00	0.00
Little Salt	D5-513	176328.82	210555.73	1173.10	1157.18	0.00	0.00
Little Salt	D5-62	179919.32	206539.20	1195.14	1185.64	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	D5-63	181143.94	206199.93	1200.28	1180.78	0.00	0.00
Little Salt	D5-67	180540.91	206630.95	1194.99	1179.19	0.00	0.00
Little Salt	D7-142	178197.14	219422.66	1157.52	1145.87	0.00	0.00
Little Salt	D7-197	178181.67	219818.47	1153.98	1144.58	0.00	0.00
Little Salt	D7-208	178181.60	220198.49	1153.63	1143.29	0.00	0.00
Little Salt	D7-237	178197.33	220594.30	1152.77	1141.77	0.00	0.00
Little Salt	D7-238	178197.27	221171.19	1153.28	1140.62	0.00	0.00
Little Salt	D7-239	178197.28	220974.32	1152.35	1141.01	0.00	0.00
Little Salt	D7-247	178018.27	221172.56	1151.32	1140.02	0.00	1.51
Little Salt	D7-264	176826.79	221142.21	1151.93	1138.73	0.00	0.00
Little Salt	D7-267	177640.66	221175.39	1149.55	1139.75	0.00	0.00
Little Salt	D7-278	179615.09	219237.03	1167.30	1150.61	0.00	3.10
Little Salt	D7-279	179234.58	219236.88	1164.50	1148.66	0.00	0.00
Little Salt	D7-280	178849.56	219205.18	1165.30	1148.09	0.00	0.00
Little Salt	D7-281	178556.88	219202.78	1160.30	1147.34	0.00	0.00
Little Salt	D7-283	178197.37	219202.78	1158.20	1146.62	0.00	1.36
Little Salt	D7-415	176803.27	221145.45	1152.90	1138.75	0.00	0.00
Little Salt	D7-416	177097.41	221163.27	1150.60	1139.13	0.00	0.00
Little Salt	D7-417	177193.38	221155.12	1149.70	1139.29	0.00	0.00
Little Salt	D7-418	177243.90	221193.87	1150.00	1139.40	0.00	1.22
Little Salt	D7-445	186793.47	221171.87	1153.40	1146.09	0.00	0.00
Little Salt	D7-446	186349.95	221173.84	1159.10	1145.55	0.00	0.00
Little Salt	D7-447	185900.89	221169.84	1160.36	1145.01	0.00	0.00
Little Salt	D7-448	185349.90	221163.79	1160.30	1144.35	0.00	0.00
Little Salt	D7-449	184748.95	221157.07	1154.70	1143.63	0.00	0.00
Little Salt	D7-450	184150.06	221151.13	1169.50	1142.91	0.00	0.00
Little Salt	D7-451	183550.06	221144.84	1158.32	1142.19	0.00	0.00
Little Salt	D7-452	182992.49	221138.94	1161.55	1141.53	0.00	0.00
Little Salt	D7-453	182885.68	221134.67	1163.86	1141.27	0.00	0.00
Little Salt	D7-456	178197.48	220756.49	1152.00	1141.27	0.00	0.00
Little Salt	D7-458	186760.72	219193.79	1161.10	1150.88	0.00	0.00
Little Salt	D7-459	186769.75	219738.77	1156.80	1149.63	0.00	0.00
Little Salt	D7-460	186778.85	220288.62	1156.92	1148.36	0.00	0.00
Little Salt	D7-461	186787.12	220788.49	1155.90	1147.21	0.00	0.00
Little Salt	D8-141	181580.70	225458.16	1146.65	1130.95	0.00	0.00
Little Salt	D8-147	176907.89	225315.85	1134.15	1126.15	0.00	1.55
Little Salt	D8-149	176817.05	225649.58	1134.06	1124.96	0.00	0.00
Little Salt	D8-150	176796.76	226019.18	1132.61	1124.61	0.00	0.00
Little Salt	D8-151	176807.01	226352.46	1136.43	1124.23	0.00	0.00
Little Salt	D8-163	176512.02	226354.85	1135.00	1121.65	0.00	0.00
Little Salt	D8-171	181587.60	225912.85	1142.84	1129.54	0.00	0.00
Little Salt	D8-185	181569.20	224781.11	1147.37	1132.27	0.00	0.00
Little Salt	D8-218	182893.40	221570.70	1167.70	1140.44	0.00	0.00
Little Salt	D8-219	182903.53	222173.86	1160.80	1139.50	0.00	0.00
Little Salt	D8-220	182911.95	222673.84	1158.10	1138.57	0.00	0.00
Little Salt	D8-221	182922.05	223273.80	1156.20	1137.63	0.00	0.00
Little Salt	D8-222	182930.85	223798.78	1174.37	1136.74	0.00	0.00
Little Salt	D8-223	182939.72	224325.96	1172.58	1135.84	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	D8-224	182276.85	224334.85	1170.55	1134.71	0.00	0.00
Little Salt	D8-225	181747.18	224341.88	1168.58	1133.81	0.00	0.00
Little Salt	D8-226	181679.11	224481.57	1167.05	1133.24	0.00	1.54
Little Salt	D8-229	186686.64	225879.86	1146.08	1112.84	0.00	8.76
Little Salt	D8-230	186181.21	226175.76	1127.84	1112.84	0.00	0.00
Little Salt	D8-81	181556.79	224489.85	1151.75	1136.25	0.00	0.10
Little Salt	D8-86	181573.80	225059.44	1146.59	1131.99	0.00	0.00
Little Salt	D8-87	181566.13	224610.88	1147.16	1132.56	0.00	0.00
Little Salt	D8-88	181583.00	225571.64	1147.25	1130.55	0.00	0.00
Little Salt	D8-89	181589.90	225968.06	1142.68	1129.38	0.00	0.00
Little Salt	D8-91	181576.10	225159.12	1146.05	1131.75	0.00	0.00
Little Salt	D9-100	185045.54	228217.65	1126.33	1111.33	0.00	0.00
Little Salt	D9-101	184559.54	228982.15	1125.95	1110.95	0.00	8.76
Little Salt	D9-102	184083.65	229808.67	1125.57	1110.57	0.00	1.61
Little Salt	D9-103	183827.52	229821.24	1125.25	1110.48	0.00	0.00
Little Salt	D9-12	181593.26	228533.14	1142.00	1124.00	0.00	0.00
Little Salt	D9-29	181600.80	228141.22	1142.74	1125.49	0.00	0.00
Little Salt	D9-30	181599.45	227701.01	1140.99	1126.15	0.00	0.00
Little Salt	D9-31	181598.58	227260.81	1139.36	1126.81	0.00	0.00
Little Salt	D9-32	181597.46	226820.41	1140.00	1127.47	0.00	0.00
Little Salt	D9-58	176931.59	228999.08	1135.90	1113.60	0.00	0.00
Little Salt	D9-59	177215.81	228997.25	1134.54	1113.44	0.00	0.00
Little Salt	D9-60	177784.56	228993.67	1128.74	1113.24	0.00	0.00
Little Salt	D9-61	178332.18	228990.05	1129.84	1113.04	0.00	0.00
Little Salt	D9-62	178831.58	228986.81	1138.64	1112.84	0.00	0.00
Little Salt	D9-63	179299.55	228985.51	1142.64	1112.64	0.00	0.00
Little Salt	D9-64	179799.42	228982.28	1137.94	1112.44	0.00	0.00
Little Salt	D9-65	180292.11	228978.94	1133.76	1112.11	0.00	0.88
Little Salt	D9-66	180674.42	228976.98	1132.37	1112.07	0.00	0.00
Little Salt	D9-67	181099.70	228973.40	1130.88	1111.88	0.00	0.00
Little Salt	D9-68	181577.69	228881.24	1137.80	1122.40	0.00	0.00
Little Salt	D9-69	181323.41	228972.44	1135.90	1111.60	0.00	0.00
Little Salt	D9-70	181516.23	229047.29	1133.27	1111.47	0.00	0.00
Little Salt	D9-71	181579.24	229410.67	1130.63	1111.43	0.00	0.00
Little Salt	D9-72	181580.27	229804.80	1133.72	1111.22	0.00	0.00
Little Salt	D9-73	181630.66	229863.24	1133.18	1111.18	0.00	20.80
Little Salt	D9-74	182146.86	229857.22	1131.10	1110.90	0.00	0.00
Little Salt	D9-75	182660.69	229842.26	1128.62	1110.62	0.00	0.00
Little Salt	D9-76	183170.70	229836.64	1135.84	1110.34	0.00	0.00
Little Salt	D9-77	183690.72	229831.41	1125.05	1110.27	0.00	0.00
Little Salt	D9-78	181588.03	228562.65	1142.00	1123.90	0.00	0.00
Little Salt	D9-84	181596.10	226383.36	1141.43	1128.13	0.00	0.00
Little Salt	D9-85	176611.81	229000.57	1136.85	1113.75	0.00	0.00
Little Salt	D9-98	185708.11	227009.38	1127.09	1112.09	0.00	0.00
Little Salt	D9-99	185526.49	227410.88	1126.71	1111.71	0.00	0.00
Little Salt	D9-JNC	183733.40	229894.80	1131.20	1110.25	0.00	0.00
Little Salt	D9-WWTP	183737.76	230304.45	1132.00	1110.00	0.00	0.00
Little Salt	E7-10	188878.50	217827.13	1169.80	1160.40	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	E7-11	188620.39	218027.27	1172.99	1159.81	0.00	0.00
Little Salt	E7-12	188675.65	218383.21	1168.76	1159.16	0.00	0.00
Little Salt	E7-13	188732.88	218743.92	1168.68	1158.50	0.00	0.00
Little Salt	E7-14	188642.20	218946.10	1168.51	1158.10	0.00	0.00
Little Salt	E7-15	188091.36	219218.68	1162.56	1156.99	0.00	0.00
Little Salt	E7-16	187480.86	219218.63	1167.35	1155.89	0.00	0.00
Little Salt	E7-17	186890.69	219218.76	1161.20	1154.83	0.00	0.00
Little Salt	E7-18	186865.99	219193.77	1161.38	1151.16	0.00	0.00
Little Salt	E7-6	190245.27	216892.51	1187.15	1163.58	0.00	2.32
Little Salt	E7-7	189971.86	217222.44	1173.09	1162.75	0.00	0.00
Little Salt	E7-8	189698.08	217552.80	1171.27	1162.19	0.00	0.00
Little Salt	E7-9	189327.98	218090.75	1167.75	1161.34	0.00	0.00
Beals & Salt Valley	A4-172	155030.15	201318.60	1149.58	1140.38	0.00	0.00
Beals & Salt Valley	B0-151	157249.91	184183.02	1170.27	1158.27	0.00	0.00
Beals & Salt Valley	B0-208	157541.64	179125.68	1172.57	1162.06	0.00	0.00
Beals & Salt Valley	B0-209	157451.13	179599.78	1179.64	1161.19	0.00	0.00
Beals & Salt Valley	B0-210	157415.94	180198.58	1173.65	1161.45	0.00	0.00
Beals & Salt Valley	B0-211	157380.99	180718.35	1169.92	1161.20	0.00	0.00
Beals & Salt Valley	B0-212	157349.20	181261.47	1170.04	1160.59	0.00	0.00
Beals & Salt Valley	B0-213	157309.79	181865.69	1169.94	1160.11	0.00	0.00
Beals & Salt Valley	B0-214	157269.88	182525.86	1175.07	1159.78	0.00	0.00
Beals & Salt Valley	B0-215	157506.60	182465.70	1179.55	1159.55	0.00	0.62
Beals & Salt Valley	B0-216	157382.05	183137.53	1178.34	1159.40	0.00	0.00
Beals & Salt Valley	B0-217	157347.48	183550.67	1170.04	1158.96	0.00	0.00
Beals & Salt Valley	B0-218	157274.13	184100.61	1169.89	1158.49	0.00	2.83
Beals & Salt Valley	B1-1	157258.22	187912.20	1157.80	1137.48	0.00	0.00
Beals & Salt Valley	B1-158	158505.82	188448.46	1170.25	1154.75	0.00	0.00
Beals & Salt Valley	B1-159	158297.64	188075.75	1170.39	1155.09	0.00	0.00
Beals & Salt Valley	B1-160	158089.96	187713.00	1163.62	1155.42	0.00	0.00
Beals & Salt Valley	B1-161	157882.28	187350.25	1163.96	1155.76	0.00	0.00
Beals & Salt Valley	B1-162	157678.57	186994.44	1164.49	1156.09	0.00	0.00
Beals & Salt Valley	B1-163	157472.35	186634.30	1164.82	1156.42	0.00	0.00
Beals & Salt Valley	B1-164	157283.32	186262.38	1165.05	1156.75	0.00	0.00
Beals & Salt Valley	B1-165	157191.93	185855.62	1165.38	1157.08	0.00	0.00
Beals & Salt Valley	B1-166	157194.98	185438.08	1165.72	1157.42	0.00	0.00
Beals & Salt Valley	B1-167	157213.03	185025.46	1166.15	1157.75	0.00	0.00
Beals & Salt Valley	B1-168	157231.27	184608.80	1166.48	1158.08	0.00	0.00
Beals & Salt Valley	B1-2	157258.62	187177.79	1165.09	1138.59	0.00	0.00
Beals & Salt Valley	B1-239	165461.82	188839.68	1192.83	1173.67	0.00	0.00
Beals & Salt Valley	B1-241	162336.88	189333.20	1181.22	1162.42	0.00	0.00
Beals & Salt Valley	B1-262	161623.83	189478.38	1177.76	1159.26	0.00	0.00
Beals & Salt Valley	B1-272	165287.93	188750.79	1189.42	1173.42	0.00	0.00
Beals & Salt Valley	B1-289	156919.37	188732.16	1153.53	1135.46	0.00	0.00
Beals & Salt Valley	B1-290	156877.31	189420.16	1157.45	1135.25	0.00	0.00
Beals & Salt Valley	B1-291	165367.67	188880.37	1194.72	1172.87	0.00	0.00
Beals & Salt Valley	B1-292	165228.38	188776.28	1190.11	1172.26	0.00	0.00
Beals & Salt Valley	B1-293	165189.25	188741.13	1187.83	1171.98	0.00	0.00
Beals & Salt Valley	B1-294	164361.51	188894.64	1184.63	1168.78	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	B1-295	163563.89	189006.12	1184.53	1165.68	0.00	0.33
Beals & Salt Valley	B1-296	162959.52	189167.83	1178.19	1163.34	0.00	0.00
Beals & Salt Valley	B1-298	162089.87	189360.50	1189.88	1160.03	0.00	0.00
Beals & Salt Valley	B1-299	161984.84	189383.28	1180.44	1159.59	0.00	0.00
Beals & Salt Valley	B1-3	157278.90	186363.98	1164.85	1139.70	0.00	0.00
Beals & Salt Valley	B1-300	161729.69	189257.30	1174.88	1158.03	0.00	0.00
Beals & Salt Valley	B1-301	161641.72	188707.67	1173.98	1155.13	0.00	0.00
Beals & Salt Valley	B1-302	161067.47	188710.67	1171.99	1152.14	0.00	0.00
Beals & Salt Valley	B1-303	160493.22	188710.67	1172.00	1149.15	0.00	0.00
Beals & Salt Valley	B1-305	160486.71	188527.42	1168.89	1148.58	0.00	2.61
Beals & Salt Valley	B1-306	159855.33	188545.34	1179.22	1146.61	0.00	0.48
Beals & Salt Valley	B1-307	158676.11	188536.75	1172.87	1143.02	0.00	0.00
Beals & Salt Valley	B1-308	158549.14	188537.38	1171.36	1142.51	0.00	0.00
Beals & Salt Valley	B1-309	157851.92	188524.66	1163.18	1140.33	0.00	0.00
Beals & Salt Valley	B1-310	157169.67	188476.56	1156.40	1136.55	0.00	0.00
Beals & Salt Valley	B1-311	156931.29	188522.77	1166.61	1135.76	0.00	0.00
Beals & Salt Valley	B1-4	157306.18	185505.32	1166.12	1140.81	0.00	0.00
Beals & Salt Valley	B1-5	157168.17	185341.60	1165.72	1141.51	0.00	0.00
Beals & Salt Valley	B1-6	157208.43	184745.32	1166.48	1142.57	0.00	0.00
Beals & Salt Valley	B1-7	157227.50	184136.21	1170.27	1143.50	0.00	0.00
Beals & Salt Valley	B1-79	165569.27	188566.30	1189.61	1176.11	0.00	0.00
Beals & Salt Valley	B1-8	157317.53	184068.48	1169.89	1158.49	0.00	0.00
Beals & Salt Valley	B1-80	165260.33	188762.92	1189.50	1173.10	0.00	0.99
Beals & Salt Valley	B1-82	164737.93	188863.59	1185.42	1171.62	0.00	0.00
Beals & Salt Valley	B1-84	164148.50	188977.98	1185.01	1169.41	0.00	0.00
Beals & Salt Valley	B1-86	163557.05	189097.11	1234.32	1167.11	0.00	0.00
Beals & Salt Valley	B1-89	162982.34	189192.47	1180.24	1164.84	0.00	1.41
Beals & Salt Valley	B1-91	162400.69	189324.40	1179.43	1162.83	0.00	0.00
Beals & Salt Valley	B1-93	162111.68	189364.60	1180.51	1161.71	0.00	0.00
Beals & Salt Valley	B1-95	161940.09	189415.35	1178.81	1160.61	0.00	0.00
Beals & Salt Valley	B1S-10	159951.49	176343.08	1181.36	1169.14	0.00	0.00
Beals & Salt Valley	B1S-11	159579.62	176344.11	1178.52	1167.95	0.00	0.00
Beals & Salt Valley	B1S-12	159332.97	176222.75	1178.56	1165.07	0.00	0.00
Beals & Salt Valley	B1S-13	159010.52	176616.96	1175.86	1164.76	0.00	0.00
Beals & Salt Valley	B1S-14	158842.14	176926.30	1174.66	1164.33	0.00	0.00
Beals & Salt Valley	B1S-15	158598.45	177372.86	1174.26	1164.06	0.00	0.00
Beals & Salt Valley	B1S-16	158384.86	177766.13	1173.16	1163.73	0.00	0.00
Beals & Salt Valley	B1S-17	158502.38	178224.87	1172.80	1163.18	0.00	0.00
Beals & Salt Valley	B1S-18	158489.77	178450.64	1174.94	1162.90	0.00	0.00
Beals & Salt Valley	B1S-19	158147.63	178641.81	1175.88	1162.68	0.00	0.00
Beals & Salt Valley	B1S-20	157769.05	178792.32	1174.04	1162.57	0.00	0.10
Beals & Salt Valley	B1S-21	157651.16	178828.59	1172.02	1162.27	0.00	0.00
Beals & Salt Valley	B1S-5	162305.66	176128.21	1193.18	1180.83	0.00	3.66
Beals & Salt Valley	B1S-56	161036.25	176151.56	1185.38	1172.69	0.00	0.00
Beals & Salt Valley	B1S-57	160620.64	176221.99	1183.84	1171.55	0.00	0.00
Beals & Salt Valley	B1S-58	160343.60	176223.61	1182.60	1170.69	0.00	0.00
Beals & Salt Valley	B1S-59	160343.81	176156.61	1182.60	1170.48	0.00	0.00
Beals & Salt Valley	B1S-6	160615.75	176098.54	1185.18	1171.98	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	B1S-72	160429.81	174052.11	1181.90	1168.70	0.00	0.00
Beals & Salt Valley	B1S-73	160142.20	174578.69	1180.75	1167.97	0.00	0.00
Beals & Salt Valley	B1S-74	159879.28	175064.47	1182.85	1167.30	0.00	0.00
Beals & Salt Valley	B1S-75	159591.24	175592.77	1176.00	1166.57	0.00	0.00
Beals & Salt Valley	B1S-76	159322.75	176089.32	1176.10	1165.89	0.00	0.00
Beals & Salt Valley	B1S-9	160250.40	176176.79	1178.20	1170.13	0.00	0.00
Beals & Salt Valley	B1S-94	161634.40	176193.67	1188.07	1176.57	0.00	0.00
Beals & Salt Valley	B2-101	156771.55	194485.55	1153.76	1144.96	0.00	0.00
Beals & Salt Valley	B2-102	157039.52	193867.18	1154.46	1145.76	0.00	0.00
Beals & Salt Valley	B2-103	157287.81	193321.68	1155.11	1146.51	0.00	0.00
Beals & Salt Valley	B2-104	157542.65	192774.82	1155.36	1147.26	0.00	0.00
Beals & Salt Valley	B2-105	157836.17	192154.46	1160.86	1150.06	0.00	0.00
Beals & Salt Valley	B2-106	158063.30	191687.85	1159.07	1148.77	0.00	0.00
Beals & Salt Valley	B2-107	158317.33	191142.65	1168.33	1149.53	0.00	0.00
Beals & Salt Valley	B2-108	158555.14	190599.42	1167.78	1150.28	0.00	0.00
Beals & Salt Valley	B2-17	161055.44	189590.42	1176.05	1157.65	0.00	0.76
Beals & Salt Valley	B2-20	160579.60	189759.13	1172.90	1155.60	0.00	0.14
Beals & Salt Valley	B2-217	159377.42	189981.18	1171.35	1152.50	0.00	0.00
Beals & Salt Valley	B2-298	160447.78	189825.27	1174.06	1155.26	0.00	0.30
Beals & Salt Valley	B2-31	158813.86	190043.01	1164.82	1151.42	0.00	0.00
Beals & Salt Valley	B2-32	159220.99	190042.68	1165.44	1152.34	0.00	0.00
Beals & Salt Valley	B2-33	159625.46	190042.37	1173.56	1153.26	0.00	0.00
Beals & Salt Valley	B2-34	159994.95	190042.07	1174.42	1154.12	0.00	0.00
Beals & Salt Valley	B2-345	157646.35	192561.86	1156.08	1149.71	0.00	0.00
Beals & Salt Valley	B2-35	160085.65	189991.69	1174.36	1154.36	0.00	0.00
Beals & Salt Valley	B2-350	157187.27	193495.01	1159.90	1146.13	0.00	1.14
Beals & Salt Valley	B2-361	158449.70	190835.96	1168.71	1149.91	0.00	0.00
Beals & Salt Valley	B2-367	159208.18	189695.35	1167.05	1152.82	0.00	0.00
Beals & Salt Valley	B2-37	160320.50	189894.88	1178.32	1154.92	0.00	0.29
Beals & Salt Valley	B2-397	156844.68	190143.50	1158.17	1135.01	0.00	0.00
Beals & Salt Valley	B2-398	156814.27	190875.88	1161.42	1134.84	0.00	0.00
Beals & Salt Valley	B2-399	156757.70	191558.64	1160.49	1134.64	0.00	0.00
Beals & Salt Valley	B2-400	156700.34	192216.15	1168.81	1134.37	0.00	0.00
Beals & Salt Valley	B2-401	156638.02	192933.77	1158.77	1134.17	0.00	0.00
Beals & Salt Valley	B2-402	156586.98	193657.17	1158.55	1133.86	0.00	0.00
Beals & Salt Valley	B2-403	156521.58	194651.77	1158.30	1133.51	0.00	27.66
Beals & Salt Valley	B2S-37	161454.76	172095.37	1185.05	1171.12	0.00	0.00
Beals & Salt Valley	B2S-38	161193.03	172598.19	1185.85	1170.62	0.00	0.00
Beals & Salt Valley	B2S-39	161002.30	172982.70	1183.85	1170.14	0.00	0.00
Beals & Salt Valley	B2S-40	160715.93	173509.95	1181.85	1169.42	0.00	0.00
Beals & Salt Valley	B2S-41	162699.26	173516.33	1192.70	1179.30	0.00	0.00
Beals & Salt Valley	B2S-42	162388.42	173231.60	1193.90	1177.98	0.00	0.00
Beals & Salt Valley	B2S-43	162120.41	172997.36	1189.85	1176.86	0.00	0.00
Beals & Salt Valley	B2S-44	161846.83	172763.09	1187.59	1174.68	0.00	0.00
Beals & Salt Valley	B2S-45	161590.94	172532.50	1185.05	1171.12	0.00	0.00
Beals & Salt Valley	B3-316	156416.95	196503.53	1154.89	1143.49	0.00	0.00
Beals & Salt Valley	B3-374	156678.28	196501.59	1153.26	1143.96	0.00	0.00
Beals & Salt Valley	B3-422	157077.97	196498.47	1153.27	1144.47	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	B3-461	156415.44	199577.38	1150.94	1143.34	0.00	0.00
Beals & Salt Valley	B3-462	156413.57	199171.00	1150.36	1142.76	0.00	0.00
Beals & Salt Valley	B3-463	156411.60	198751.08	1151.14	1143.24	0.00	0.00
Beals & Salt Valley	B3-464	156409.31	198322.20	1150.91	1143.71	0.00	0.00
Beals & Salt Valley	B3-465	156406.98	197892.75	1151.27	1144.17	0.00	0.00
Beals & Salt Valley	B3-466	156405.18	197429.66	1152.71	1144.71	0.00	0.00
Beals & Salt Valley	B3-472	156353.92	194890.09	1155.10	1144.20	0.00	1.69
Beals & Salt Valley	B3-473	156324.65	194860.40	1154.20	1143.69	0.00	0.00
Beals & Salt Valley	B3-476	156298.30	195293.86	1154.00	1143.50	0.00	0.00
Beals & Salt Valley	B3-478	156212.56	195671.48	1152.59	1142.99	0.00	0.00
Beals & Salt Valley	B3-480	156123.85	196066.66	1154.25	1142.25	0.00	0.00
Beals & Salt Valley	B3-486	156010.55	197387.53	1171.16	1140.06	0.00	0.00
Beals & Salt Valley	B3-490	155943.97	198070.77	1150.37	1139.47	0.00	0.00
Beals & Salt Valley	B3-493	155878.65	198726.48	1150.25	1138.70	0.00	0.35
Beals & Salt Valley	B3-496	155882.00	199271.31	1150.36	1138.86	0.00	0.00
Beals & Salt Valley	B3-498	155888.98	199795.65	1147.67	1138.37	0.00	0.00
Beals & Salt Valley	B3-500	157917.89	196493.45	1157.15	1146.25	0.00	0.00
Beals & Salt Valley	B3-513	156072.09	196724.51	1151.20	1141.50	0.00	0.00
Beals & Salt Valley	B3-525	158130.57	196493.13	1158.33	1147.23	0.00	0.00
Beals & Salt Valley	B3-526	158551.21	196492.45	1127.60	1113.80	0.00	0.00
Beals & Salt Valley	B3-527	158675.47	196492.28	1165.03	1149.73	0.00	0.00
Beals & Salt Valley	B3-528	158716.97	196103.74	1164.95	1151.55	0.00	0.00
Beals & Salt Valley	B3-529	158948.86	196034.06	1166.29	1152.69	0.00	0.00
Beals & Salt Valley	B3-530	159183.72	196033.05	1167.90	1154.20	0.00	0.00
Beals & Salt Valley	B3-531	159369.54	196038.77	1168.40	1155.05	0.00	0.00
Beals & Salt Valley	B3-532	159760.13	196036.59	1216.85	1156.85	0.00	0.00
Beals & Salt Valley	B3-533	160136.62	196022.62	1174.65	1160.55	0.00	3.69
Beals & Salt Valley	B3-541	157465.84	196495.36	1155.07	1145.07	0.00	0.00
Beals & Salt Valley	B3-627	156291.17	195273.29	1154.41	1143.51	0.00	0.00
Beals & Salt Valley	B3-640	156349.13	199972.55	1152.31	1142.31	0.00	0.00
Beals & Salt Valley	B3-641	156416.29	199890.38	1152.57	1142.57	0.00	0.00
Beals & Salt Valley	B3-667	156005.81	197445.40	1154.25	1136.04	0.00	0.00
Beals & Salt Valley	B3-668	156370.48	197451.65	1157.00	1144.55	0.00	0.00
Beals & Salt Valley	B3-675	156297.15	198731.09	1152.28	1132.60	0.00	0.00
Beals & Salt Valley	B3-676	156321.45	199842.73	1152.71	1131.60	0.00	0.00
Beals & Salt Valley	B3-678	156404.05	195725.33	1155.95	1133.29	0.00	0.00
Beals & Salt Valley	B3-679	156330.28	196297.10	1146.10	1133.24	0.00	0.00
Beals & Salt Valley	B3-681	156303.47	196505.13	1156.25	1133.22	0.00	0.00
Beals & Salt Valley	B3-682	156296.21	197437.06	1162.84	1132.99	0.00	0.98
Beals & Salt Valley	B3-683	156296.68	198093.61	1153.35	1132.85	0.00	0.00
Beals & Salt Valley	B4-108	155894.34	200900.40	1148.53	1136.53	0.00	0.00
Beals & Salt Valley	B4-13	156744.19	204970.61	1148.21	1137.21	0.00	0.00
Beals & Salt Valley	B4-14	156792.61	204979.52	1149.68	1136.58	0.00	0.00
Beals & Salt Valley	B4-171	156352.87	201940.40	1147.88	1139.88	0.00	0.00
Beals & Salt Valley	B4-173	155893.16	201931.64	1147.80	1135.80	0.00	0.00
Beals & Salt Valley	B4-178	155472.04	201307.66	1155.52	1139.32	0.00	0.00
Beals & Salt Valley	B4-179	155896.26	201291.76	1149.22	1136.22	0.00	0.55
Beals & Salt Valley	B4-18	156448.35	204965.51	1149.71	1133.56	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	B4-181	155897.37	201536.53	1152.89	1136.09	0.00	0.00
Beals & Salt Valley	B4-183	156350.87	201541.24	1152.25	1140.25	0.00	0.00
Beals & Salt Valley	B4-19	156404.01	204978.73	1153.11	1139.01	0.00	0.00
Beals & Salt Valley	B4-20	156320.10	204984.04	1148.03	1139.23	0.00	0.00
Beals & Salt Valley	B4-22	156448.13	204911.93	1147.66	1133.56	0.00	0.53
Beals & Salt Valley	B4-243	156354.89	202341.28	1149.65	1139.65	0.00	0.00
Beals & Salt Valley	B4-253	155843.53	202485.08	1148.93	1135.43	0.00	0.00
Beals & Salt Valley	B4-254	155901.78	202533.81	1147.13	1134.63	0.00	0.00
Beals & Salt Valley	B4-257	156356.90	202740.40	1149.79	1139.29	0.00	0.00
Beals & Salt Valley	B4-321	156359.17	203141.43	1146.31	1138.91	0.00	0.00
Beals & Salt Valley	B4-323	155907.87	202934.60	1147.59	1135.09	0.00	0.00
Beals & Salt Valley	B4-326	155910.19	203345.64	1150.70	1134.80	0.00	0.00
Beals & Salt Valley	B4-329	156362.12	203661.75	1151.53	1138.43	0.00	0.00
Beals & Salt Valley	B4-390	155929.93	203931.59	1147.19	1134.39	0.00	0.00
Beals & Salt Valley	B4-395	156306.05	204397.53	1143.06	1133.06	0.00	0.00
Beals & Salt Valley	B4-397	156426.35	204594.94	1142.50	1133.80	0.00	0.00
Beals & Salt Valley	B4-473	159071.70	204979.30	1168.09	1150.89	0.00	0.00
Beals & Salt Valley	B4-474	158995.68	204979.71	1165.35	1150.84	0.00	0.00
Beals & Salt Valley	B4-492	156449.69	205227.61	1148.33	1133.33	0.00	0.00
Beals & Salt Valley	B4-503	158588.34	204981.91	1191.30	1179.30	0.00	0.00
Beals & Salt Valley	B4-510	159992.46	205138.28	1170.53	1154.63	0.00	3.09
Beals & Salt Valley	B4-511	159991.39	204926.25	1165.90	1153.90	0.00	0.00
Beals & Salt Valley	B4-512	159604.43	204928.35	1168.58	1153.08	0.00	0.00
Beals & Salt Valley	B4-513	159364.78	204929.64	1168.60	1151.90	0.00	0.00
Beals & Salt Valley	B4-57	156352.54	200311.62	1151.40	1141.40	0.00	0.00
Beals & Salt Valley	B4-589	156449.33	205162.99	1148.38	1133.38	0.00	0.00
Beals & Salt Valley	B4-594	156347.82	200906.47	1150.45	1140.15	0.00	0.00
Beals & Salt Valley	B4-60	155891.56	200309.32	1146.96	1136.96	0.00	0.00
Beals & Salt Valley	B4-605	156351.72	201710.14	1150.55	1140.25	0.00	0.00
Beals & Salt Valley	B4-609	155898.15	201703.19	1153.10	1135.47	0.00	0.00
Beals & Salt Valley	B4-636	156353.62	200547.71	1151.12	1140.82	0.00	0.00
Beals & Salt Valley	B4-637	157084.90	204973.25	1151.28	1137.48	0.00	0.00
Beals & Salt Valley	B4-638	157381.74	204971.95	1150.93	1138.43	0.00	0.00
Beals & Salt Valley	B4-639	157756.83	204969.67	1150.28	1139.63	0.00	0.00
Beals & Salt Valley	B4-640	158138.88	204956.64	1154.04	1142.04	0.00	0.00
Beals & Salt Valley	B4-641	158117.78	204969.93	1152.48	1141.98	0.00	0.00
Beals & Salt Valley	B4-658	156848.22	204983.81	1147.75	1136.75	0.00	0.00
Beals & Salt Valley	B4-678	156352.12	201790.27	1148.80	1140.20	0.00	0.00
Beals & Salt Valley	B4-69	156354.44	200710.48	1149.84	1140.84	0.00	0.00
Beals & Salt Valley	B4-690	156351.89	200078.78	1151.98	1141.98	0.00	0.00
Beals & Salt Valley	B4-693	159669.16	204928.00	1170.40	1153.40	0.00	0.00
Beals & Salt Valley	B4-696	157590.58	204970.32	1151.85	1139.85	0.00	0.00
Beals & Salt Valley	B4-710	156463.64	204984.21	1147.76	1133.66	0.00	0.00
Beals & Salt Valley	B4-736	156312.69	200840.15	1151.28	1130.69	0.00	3.21
Beals & Salt Valley	B4-738	156316.56	201664.61	1151.28	1129.96	0.00	0.00
Beals & Salt Valley	B4-739	156320.48	202488.60	1151.18	1129.22	0.00	0.00
Beals & Salt Valley	B4-741	156331.27	203338.80	1141.31	1128.29	0.00	0.00
Beals & Salt Valley	B4-742	156371.91	204478.65	1146.40	1133.40	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	B4-743	156343.81	204471.76	1140.15	1127.02	0.00	16.33
Beals & Salt Valley	B4-XX1	156355.79	202519.45	1149.54	1139.54	0.00	0.00
Beals & Salt Valley	B4-XX2	156356.01	202568.67	1148.91	1139.51	0.00	0.00
Beals & Salt Valley	B5-121	156370.44	206264.23	1143.92	1132.52	0.00	0.00
Beals & Salt Valley	B5-122	156372.09	206690.90	1142.68	1132.18	0.00	0.00
Beals & Salt Valley	B5-160	156431.98	207936.23	1146.45	1130.93	0.00	1.05
Beals & Salt Valley	B5-274	156712.69	208535.49	1144.48	1130.68	0.00	0.00
Beals & Salt Valley	B5-275	156995.16	209116.40	1153.15	1129.94	0.00	0.00
Beals & Salt Valley	B5-327	157292.60	209710.00	1149.30	1129.90	0.00	0.00
Beals & Salt Valley	B5-328	157539.96	209826.86	1145.70	1129.70	0.00	0.00
Beals & Salt Valley	B5-329	157496.20	209771.25	1144.64	1129.74	0.00	0.00
Beals & Salt Valley	B5-361	157572.50	210286.86	1145.84	1129.14	0.00	0.00
Beals & Salt Valley	B5-362	157521.53	210181.88	1148.19	1129.49	0.00	0.00
Beals & Salt Valley	B5-476	156813.35	205417.31	1150.40	1136.90	0.00	0.00
Beals & Salt Valley	B5-477	156814.83	205805.43	1149.14	1136.14	0.00	0.00
Beals & Salt Valley	B5-478	156815.50	205980.48	1149.56	1136.56	0.00	0.00
Beals & Salt Valley	B5-479	156825.85	206334.03	1148.51	1134.41	0.00	0.00
Beals & Salt Valley	B5-480	156773.40	206409.13	1147.73	1136.83	0.00	0.00
Beals & Salt Valley	B5-485	162076.86	210540.04	1151.32	1127.72	0.00	0.00
Beals & Salt Valley	B5-49	157215.57	205616.87	1147.20	1139.70	0.00	0.00
Beals & Salt Valley	B5-503	157052.38	206349.30	1149.63	1136.83	0.00	0.00
Beals & Salt Valley	B5-512	157210.45	205414.94	1150.72	1139.92	0.00	0.00
Beals & Salt Valley	B5-535	156715.72	206628.75	1144.53	1135.63	0.00	0.00
Beals & Salt Valley	B5-548	156545.55	208179.25	1145.10	1131.20	0.00	0.00
Beals & Salt Valley	B5-554	157222.32	205883.14	1146.32	1139.32	0.00	0.00
Beals & Salt Valley	B5-565	157324.44	209776.27	1144.64	1129.84	0.00	0.00
Beals & Salt Valley	B5-57	156368.74	205811.81	1142.66	1132.86	0.00	0.00
Beals & Salt Valley	B5-596	156746.16	208598.15	1149.45	1130.38	0.00	0.00
Beals & Salt Valley	B5-597	156591.91	208935.00	1151.85	1130.18	0.00	0.00
Beals & Salt Valley	B5-601	156499.42	208085.62	1146.05	1130.53	0.00	0.00
Beals & Salt Valley	B5-602	156092.92	208305.13	1145.35	1125.80	0.00	0.00
Beals & Salt Valley	B5-603	156284.12	209130.87	1147.58	1125.54	0.00	0.00
Beals & Salt Valley	B5-604	156674.89	209821.54	1144.45	1125.13	0.00	0.00
Beals & Salt Valley	B5-605	157243.21	210344.51	1141.00	1124.87	0.00	0.00
Beals & Salt Valley	B5-61	157228.76	206138.28	1146.32	1139.32	0.00	0.00
Beals & Salt Valley	B5-614	156352.67	205428.87	1150.32	1126.74	0.00	0.00
Beals & Salt Valley	B5-616	156344.89	205804.78	1144.57	1126.61	0.00	13.81
Beals & Salt Valley	B5-617	156348.46	206565.65	1141.88	1126.41	0.00	0.00
Beals & Salt Valley	B5-618	156357.37	207397.58	1145.54	1126.10	0.00	0.00
Beals & Salt Valley	B5-619	155997.23	207800.81	1144.71	1125.93	0.00	0.00
Beals & Salt Valley	B5-62	157222.58	206198.55	1146.72	1136.42	0.00	0.00
Beals & Salt Valley	B5-639	161111.25	210483.01	1144.20	1129.70	0.00	0.00
Beals & Salt Valley	B5-676	156813.81	205065.68	1147.55	1137.05	0.00	0.00
Beals & Salt Valley	B5-677	156812.26	205116.70	1146.98	1136.98	0.00	0.00
Beals & Salt Valley	B5-X40	156374.24	207272.63	1142.40	1131.40	0.00	0.00
Beals & Salt Valley	B6-100	163625.87	214369.02	1146.30	1123.00	0.00	0.00
Beals & Salt Valley	B6-102	163895.78	214142.08	1145.94	1130.04	0.00	0.00
Beals & Salt Valley	B6-103	163769.70	214149.26	1146.25	1129.96	0.00	0.89

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	B6-105	164018.62	213932.83	1145.38	1124.58	0.00	0.00
Beals & Salt Valley	B6-106	164338.43	214139.98	1160.58	1130.29	0.00	0.00
Beals & Salt Valley	B6-108	164411.04	213933.31	1143.94	1124.94	0.00	0.00
Beals & Salt Valley	B6-110	164802.06	214137.83	1161.10	1130.55	0.00	0.00
Beals & Salt Valley	B6-111	164846.29	213933.77	1143.21	1125.31	0.00	0.00
Beals & Salt Valley	B6-115	165317.16	213935.80	1243.60	1225.67	0.00	0.00
Beals & Salt Valley	B6-117	165245.42	214137.73	1161.60	1130.80	0.00	0.00
Beals & Salt Valley	B6-20	161482.10	211004.86	1147.72	1137.32	0.00	0.00
Beals & Salt Valley	B6-243	159969.00	211493.75	1145.24	1126.84	0.00	0.00
Beals & Salt Valley	B6-246	161336.40	211855.07	1143.30	1125.30	0.00	0.00
Beals & Salt Valley	B6-265	158550.58	213910.57	1145.72	1130.44	0.00	9.20
Beals & Salt Valley	B6-266	158457.51	214106.67	1145.36	1132.51	0.00	0.68
Beals & Salt Valley	B6-267	158361.20	214518.12	1148.52	1133.00	0.00	0.00
Beals & Salt Valley	B6-268	158248.49	214799.75	1147.64	1133.64	0.00	0.00
Beals & Salt Valley	B6-269	158224.18	215233.67	1149.30	1134.55	0.00	0.00
Beals & Salt Valley	B6-270	158226.04	215666.82	1149.55	1135.43	0.00	0.00
Beals & Salt Valley	B6-271	158183.18	215998.20	1152.50	1136.14	0.00	1.72
Beals & Salt Valley	B6-274	165265.96	213935.51	1142.81	1125.31	0.00	0.00
Beals & Salt Valley	B6-278	158304.05	213303.59	1146.50	1131.39	0.00	0.00
Beals & Salt Valley	B6-279	158361.09	213732.81	1146.50	1131.14	0.00	0.00
Beals & Salt Valley	B6-280	158349.17	213854.11	1146.29	1130.58	0.00	0.60
Beals & Salt Valley	B6-281	159068.79	213901.91	1146.88	1130.14	0.00	0.00
Beals & Salt Valley	B6-282	159187.73	213901.15	1146.98	1129.73	0.00	0.00
Beals & Salt Valley	B6-283	159299.03	213986.17	1149.11	1129.11	0.00	0.00
Beals & Salt Valley	B6-284	159751.56	214066.63	1147.50	1128.69	0.00	0.30
Beals & Salt Valley	B6-285	159912.06	214172.27	1148.47	1128.39	0.00	0.00
Beals & Salt Valley	B6-286	160589.54	214415.00	1146.04	1127.39	0.00	0.00
Beals & Salt Valley	B6-287	160958.73	214667.58	1144.72	1126.91	0.00	0.00
Beals & Salt Valley	B6-288	161486.09	214660.78	1145.15	1126.35	0.00	0.00
Beals & Salt Valley	B6-289	161954.41	214651.67	1144.15	1125.35	0.00	2.45
Beals & Salt Valley	B6-293	162426.39	214635.84	1145.38	1125.14	0.00	0.00
Beals & Salt Valley	B6-294	162819.31	214721.64	1144.59	1124.09	0.00	0.00
Beals & Salt Valley	B6-2941	163359.06	214923.15	1145.50	1122.50	0.00	0.00
Beals & Salt Valley	B6-2942	163480.40	214558.95	1144.50	1121.50	0.00	0.00
Beals & Salt Valley	B6-296	163531.03	214440.78	1143.52	1120.62	0.00	0.00
Beals & Salt Valley	B6-30	158418.58	211283.58	1144.59	1128.09	0.00	0.65
Beals & Salt Valley	B6-31	159010.20	211490.39	1145.59	1127.59	0.00	0.00
Beals & Salt Valley	B6-318	157750.89	213309.44	1147.71	1131.67	0.00	0.00
Beals & Salt Valley	B6-319	157693.07	213275.94	1148.56	1131.78	0.00	0.00
Beals & Salt Valley	B6-32	159638.63	211492.59	1145.29	1127.09	0.00	0.00
Beals & Salt Valley	B6-320	157635.31	212918.57	1150.65	1131.91	0.00	0.00
Beals & Salt Valley	B6-321	157591.30	212869.49	1149.58	1132.04	0.00	0.00
Beals & Salt Valley	B6-322	157291.66	212857.61	1149.72	1132.11	0.00	0.00
Beals & Salt Valley	B6-323	156794.87	212650.63	1148.00	1132.57	0.00	3.70
Beals & Salt Valley	B6-324	156193.24	212532.63	1146.37	1133.01	0.00	0.00
Beals & Salt Valley	B6-325	155698.52	212397.82	1146.85	1133.03	0.00	0.00
Beals & Salt Valley	B6-326	155144.01	212252.70	1147.83	1133.49	0.00	0.00
Beals & Salt Valley	B6-327	156458.41	212987.29	1147.94	1136.82	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	B6-328	156301.93	213301.14	1146.00	1137.34	0.00	0.00
Beals & Salt Valley	B6-33	160244.38	211494.72	1146.53	1126.63	0.00	0.00
Beals & Salt Valley	B6-330	155880.56	213292.02	1146.00	1137.96	0.00	0.00
Beals & Salt Valley	B6-331	155435.97	213282.70	1148.00	1138.47	0.00	5.30
Beals & Salt Valley	B6-339	161373.93	211686.68	1145.90	1125.67	0.00	0.00
Beals & Salt Valley	B6-34	160687.47	211658.89	1146.25	1125.84	0.00	0.00
Beals & Salt Valley	B6-340	161503.78	211722.79	1146.20	1125.85	0.00	0.00
Beals & Salt Valley	B6-341	161687.43	211327.62	1148.40	1126.41	0.00	2.67
Beals & Salt Valley	B6-342	161833.62	211029.62	1157.70	1126.86	0.00	0.00
Beals & Salt Valley	B6-343	161831.78	210806.24	1153.63	1127.28	0.00	0.00
Beals & Salt Valley	B6-344	161287.69	211811.02	1147.35	1125.55	0.00	0.00
Beals & Salt Valley	B6-357	158003.01	210803.41	1141.12	1128.62	0.00	0.00
Beals & Salt Valley	B6-371	160658.50	211715.03	3149.85	1125.85	0.00	0.00
Beals & Salt Valley	B6-373	160591.55	212699.39	1149.00	1123.00	0.00	0.00
Beals & Salt Valley	B6-374	160821.46	212703.00	1143.50	1123.00	0.00	0.00
Beals & Salt Valley	B6-375	161012.37	212974.07	1146.17	1121.08	0.00	0.00
Beals & Salt Valley	B6-376	161668.04	213240.99	1147.84	1120.95	0.00	0.00
Beals & Salt Valley	B6-377	162618.37	213620.27	1146.36	1120.47	0.00	0.00
Beals & Salt Valley	B6-378	163305.34	214168.32	1148.02	1120.23	0.00	0.00
Beals & Salt Valley	B6-382	164505.45	213933.72	1143.21	1125.00	0.00	0.00
Beals & Salt Valley	B6-384	157709.13	210762.53	1144.75	1124.73	0.00	0.00
Beals & Salt Valley	B6-385	158335.72	211261.00	1144.55	1124.54	0.00	0.00
Beals & Salt Valley	B6-386	158966.89	211829.31	1144.95	1124.34	0.00	0.00
Beals & Salt Valley	B6-387	159479.83	212080.26	1147.65	1124.07	0.00	0.00
Beals & Salt Valley	B6-388	159869.50	212268.10	1149.85	1123.86	0.00	0.00
Beals & Salt Valley	B6-389	160466.99	212662.99	1149.25	1123.61	0.00	0.00
Beals & Salt Valley	B6-392	160825.13	210975.33	1140.97	1128.56	0.00	0.00
Beals & Salt Valley	B6-394	160789.47	211041.34	1140.35	1128.38	0.00	0.25
Beals & Salt Valley	B6-395	160724.71	211219.48	1141.17	1128.01	0.00	0.00
Beals & Salt Valley	B6-66	161395.85	212483.85	1145.94	1124.14	0.00	0.00
Beals & Salt Valley	B6-72	160584.14	212204.51	1148.29	1125.48	0.00	0.00
Beals & Salt Valley	B6-87	161763.72	212922.17	1145.72	1123.92	0.00	0.00
Beals & Salt Valley	B6-89	162271.52	213317.84	1145.97	1123.67	0.00	0.00
Beals & Salt Valley	B6-90	162799.81	213739.00	1141.61	1123.41	0.00	0.00
Beals & Salt Valley	B6-91	163502.75	214412.93	1143.13	1120.20	0.00	0.00
Beals & Salt Valley	B6-94	163339.10	214169.13	1144.35	1123.15	0.00	0.00
Beals & Salt Valley	B6-98	163657.14	214231.82	1144.98	1129.89	0.00	0.00
Beals & Salt Valley	C0-119	176017.16	184003.10	1237.34	1216.04	0.00	0.00
Beals & Salt Valley	C0-119-2	175949.95	184011.71	1235.73	1216.23	0.00	0.00
Beals & Salt Valley	C0-120	176140.13	183747.34	1236.77	1217.17	0.00	0.00
Beals & Salt Valley	C0-120-2	176038.85	183747.61	1236.77	1217.17	0.00	0.00
Beals & Salt Valley	C0-121	176139.54	183245.12	1236.76	1219.16	0.00	0.00
Beals & Salt Valley	C0-121-2	176054.54	183245.56	1236.76	1219.16	0.00	0.00
Beals & Salt Valley	C0-122	176138.95	182745.24	1240.53	1220.83	0.00	0.00
Beals & Salt Valley	C0-122-2	176051.93	182751.34	1240.53	1220.83	0.00	0.00
Beals & Salt Valley	C0-123	176138.62	182465.52	1240.15	1222.25	0.00	0.00
Beals & Salt Valley	C0-123-2	176049.31	182468.94	1240.15	1222.25	0.00	0.00
Beals & Salt Valley	C0-124	176138.23	182134.43	1241.19	1225.39	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	C0-124-2	176067.62	182136.85	1241.19	1225.39	0.00	0.00
Beals & Salt Valley	C0-220	167269.10	183015.27	1210.00	1201.00	0.00	0.00
Beals & Salt Valley	C0-221	167539.52	182804.45	1210.00	1201.44	0.00	0.00
Beals & Salt Valley	C0-222	167963.01	182737.34	1210.06	1201.96	0.00	0.00
Beals & Salt Valley	C0-223	168237.00	182715.36	1212.60	1202.30	0.00	0.00
Beals & Salt Valley	C0-226	170127.86	182367.43	1227.55	1213.57	0.00	5.43
Beals & Salt Valley	C0-227	169730.92	182457.23	1225.00	1210.07	0.00	0.00
Beals & Salt Valley	C0-228	169398.77	182520.52	1222.50	1207.74	0.00	0.00
Beals & Salt Valley	C0-229	169075.39	182574.75	1220.30	1206.23	0.00	0.00
Beals & Salt Valley	C0-230	168654.15	182644.65	1219.50	1204.29	0.00	0.00
Beals & Salt Valley	C0-43	167052.46	183982.44	1210.97	1191.97	0.00	0.00
Beals & Salt Valley	C0-44	166971.16	183907.54	1202.88	1192.88	0.00	0.00
Beals & Salt Valley	C0-511	168883.93	182605.36	1221.11	1205.91	0.00	0.00
Beals & Salt Valley	C0-67	167038.36	184096.14	1206.02	1191.92	0.00	0.00
Beals & Salt Valley	C0-96	167130.34	183320.39	1212.12	1200.63	0.00	0.00
Beals & Salt Valley	C0-97	166980.62	183664.24	1207.73	1193.93	0.00	0.00
Beals & Salt Valley	C1-101	169071.90	188309.13	1206.49	1186.49	0.00	0.38
Beals & Salt Valley	C1-101-2	169058.64	188285.30	1206.49	1186.49	0.00	0.00
Beals & Salt Valley	C1-12	175739.51	184714.12	1232.77	1211.57	0.00	0.00
Beals & Salt Valley	C1-12-2	175709.35	184657.03	1232.77	1211.57	0.00	0.00
Beals & Salt Valley	C1-13	175316.45	184888.27	1229.91	1209.51	0.00	0.00
Beals & Salt Valley	C1-13-2	175287.85	184810.69	1229.91	1209.51	0.00	0.00
Beals & Salt Valley	C1-14	174897.46	185060.86	1226.77	1207.47	0.00	1.54
Beals & Salt Valley	C1-14-2	174863.24	184995.92	1226.77	1207.47	0.00	0.00
Beals & Salt Valley	C1-15	174471.58	185235.71	1229.05	1205.85	0.00	0.00
Beals & Salt Valley	C1-15-2	174441.47	185178.31	1229.05	1205.85	0.00	0.00
Beals & Salt Valley	C1-16	174060.96	185407.35	1224.82	1204.52	0.00	0.00
Beals & Salt Valley	C1-16-2	174028.26	185340.74	1224.82	1204.52	0.00	0.00
Beals & Salt Valley	C1-17	173655.67	185576.76	1223.01	1203.21	0.00	0.00
Beals & Salt Valley	C1-17-2	173627.07	185506.03	1223.01	1203.21	0.00	1.16
Beals & Salt Valley	C1-186	168716.93	188396.36	1203.22	1185.42	0.00	0.00
Beals & Salt Valley	C1-186-2	168706.96	188364.78	1203.22	1185.42	0.00	0.00
Beals & Salt Valley	C1-188	168252.19	188451.62	1203.70	1183.70	0.00	0.77
Beals & Salt Valley	C1-188-2	168242.03	188427.76	1203.70	1183.70	0.00	0.00
Beals & Salt Valley	C1-19	173353.87	185696.93	1220.82	1202.22	0.00	0.55
Beals & Salt Valley	C1-190	167837.38	188514.23	1199.51	1182.31	0.00	0.00
Beals & Salt Valley	C1-190-2	167828.96	188474.07	1199.51	1182.31	0.00	0.00
Beals & Salt Valley	C1-191	167440.86	188566.80	1198.31	1181.11	0.00	0.00
Beals & Salt Valley	C1-191-2	167432.57	188531.49	1198.31	1181.11	0.00	0.00
Beals & Salt Valley	C1-19-2	173329.18	185644.28	1220.82	1202.22	0.00	0.00
Beals & Salt Valley	C1-193	166963.41	188622.78	1195.64	1179.64	0.00	0.24
Beals & Salt Valley	C1-193-2	166945.40	188600.03	1195.64	1179.64	0.00	0.00
Beals & Salt Valley	C1-195	166452.88	188708.07	1193.61	1177.91	0.00	0.00
Beals & Salt Valley	C1-195-2	166441.57	188664.86	1193.61	1177.91	0.00	0.00
Beals & Salt Valley	C1-197	165957.20	188773.84	1192.61	1176.21	0.00	0.00
Beals & Salt Valley	C1-197-2	165947.00	188742.65	1192.61	1176.21	0.00	0.00
Beals & Salt Valley	C1-2	176102.47	184234.86	1241.57	1214.97	0.00	0.00
Beals & Salt Valley	C1-3	176105.43	184510.14	1238.06	1213.46	0.00	9.66

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	C1-36	172951.56	185866.40	1215.92	1200.92	0.00	0.00
Beals & Salt Valley	C1-36-2	172919.70	185808.10	1215.92	1200.92	0.00	0.00
Beals & Salt Valley	C1-37	172536.75	186036.94	1214.87	1199.57	0.00	0.00
Beals & Salt Valley	C1-37-2	172518.39	185981.03	1214.87	1199.57	0.00	0.00
Beals & Salt Valley	C1-38	172120.10	186208.24	1214.82	1198.22	0.00	0.00
Beals & Salt Valley	C1-38-2	172099.56	186155.77	1214.82	1198.22	0.00	0.00
Beals & Salt Valley	C1-382	165966.25	187889.21	1190.25	1180.29	0.00	0.00
Beals & Salt Valley	C1-39	171707.82	186379.16	1214.87	1196.87	0.00	0.00
Beals & Salt Valley	C1-391	166302.52	187430.25	1192.00	1181.03	0.00	0.00
Beals & Salt Valley	C1-39-2	171691.73	186329.54	1214.87	1196.87	0.00	0.00
Beals & Salt Valley	C1-396	166637.77	186965.21	1195.50	1181.49	0.00	0.00
Beals & Salt Valley	C1-40	171290.24	186550.83	1215.11	1195.51	0.00	0.00
Beals & Salt Valley	C1-40-2	171273.63	186515.51	1215.11	1195.51	0.00	0.00
Beals & Salt Valley	C1-402	166734.98	186478.42	1194.90	1182.50	0.00	0.00
Beals & Salt Valley	C1-41	171033.09	186732.27	1214.47	1194.57	0.00	0.00
Beals & Salt Valley	C1-41-2	171007.57	186668.91	1214.47	1194.57	0.00	0.00
Beals & Salt Valley	C1-412	166732.57	186120.22	1198.40	1182.84	0.00	0.00
Beals & Salt Valley	C1-42	170877.68	186678.60	1213.96	1194.16	0.00	0.00
Beals & Salt Valley	C1-42-2	170882.95	186627.53	1213.96	1194.16	0.00	0.70
Beals & Salt Valley	C1-43	170524.10	187067.18	1214.03	1192.58	0.00	0.00
Beals & Salt Valley	C1-43-2	170506.93	187035.43	1214.03	1192.58	0.00	0.32
Beals & Salt Valley	C1-44	170196.79	187425.88	1213.16	1191.11	0.00	1.43
Beals & Salt Valley	C1-44-2	170170.03	187406.11	1213.16	1191.11	0.00	0.00
Beals & Salt Valley	C1-444	166928.82	185808.68	1200.70	1184.50	0.00	0.00
Beals & Salt Valley	C1-445	166994.65	185026.65	1203.00	1188.00	0.00	0.00
Beals & Salt Valley	C1-446	167014.00	184588.34	1204.14	1189.84	0.00	0.00
Beals & Salt Valley	C1-461	167102.18	185455.65	1202.70	1186.20	0.00	0.00
Beals & Salt Valley	C1-482	166828.11	185880.91	1200.74	1184.14	0.00	0.00
Beals & Salt Valley	C1-539	167045.70	184284.64	1208.60	1192.10	0.00	0.00
Beals & Salt Valley	C1-542	165591.44	188457.96	1189.50	1176.80	0.00	0.00
Beals & Salt Valley	C1-543	165602.23	188309.41	1190.40	1177.80	0.00	0.00
Beals & Salt Valley	C1-544	165602.24	188134.91	1190.70	1178.10	0.00	0.00
Beals & Salt Valley	C1-545	165605.72	187878.39	1192.37	1178.67	0.00	4.51
Beals & Salt Valley	C1-561	165628.04	187889.22	1191.07	1178.07	0.00	3.07
Beals & Salt Valley	C1-562	165625.51	188552.03	1189.61	1176.11	0.00	0.00
Beals & Salt Valley	C1-564	176080.04	184197.27	1240.20	1215.20	0.00	0.00
Beals & Salt Valley	C1-564-2	176044.77	184192.34	1240.20	1215.20	0.00	0.00
Beals & Salt Valley	C1-565	176036.56	184558.69	1234.34	1212.34	0.00	0.00
Beals & Salt Valley	C1-565-2	175978.98	184499.20	1234.34	1212.34	0.00	6.08
Beals & Salt Valley	C1-569	165706.42	188802.67	1193.96	1174.16	0.00	0.00
Beals & Salt Valley	C1-569-2	165702.50	188776.00	1193.96	1174.60	0.00	0.00
Beals & Salt Valley	C1-570	165617.71	188885.02	1193.88	1173.73	0.00	0.00
Beals & Salt Valley	C1-92	169924.86	187747.21	1215.91	1189.86	0.00	0.00
Beals & Salt Valley	C1-92-2	169894.04	187725.90	1215.91	1189.86	0.00	0.00
Beals & Salt Valley	C1-99	169556.12	188063.63	1211.63	1188.38	0.00	1.44
Beals & Salt Valley	C1-99-2	169536.54	188044.50	1211.63	1188.38	0.00	0.00
Beals & Salt Valley	D0-148	177495.57	181399.06	1254.20	1239.67	0.00	0.00
Beals & Salt Valley	D0-148-2	177481.98	181372.00	1254.20	1239.67	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	D0-149	177880.51	180938.82	1253.80	1239.47	0.00	0.00
Beals & Salt Valley	D0-149-2	177845.03	180924.32	1253.80	1239.47	0.00	0.00
Beals & Salt Valley	D0-150	178017.52	180347.56	1257.30	1241.30	0.00	0.00
Beals & Salt Valley	D0-150-2	177974.21	180347.46	1257.30	1241.30	0.00	0.00
Beals & Salt Valley	D0-164	178061.28	180183.45	1257.85	1242.10	0.00	0.00
Beals & Salt Valley	D0-164-2	178034.34	180162.60	1257.85	1242.10	0.00	0.00
Beals & Salt Valley	D0-165	178408.96	179985.65	1259.64	1243.40	0.00	0.00
Beals & Salt Valley	D0-165-2	178390.70	179951.01	1259.64	1243.40	0.00	0.00
Beals & Salt Valley	D0-166	178739.76	179699.72	1263.85	1244.84	0.00	0.00
Beals & Salt Valley	D0-166-2	178706.97	179676.84	1263.85	1244.84	0.00	0.00
Beals & Salt Valley	D0-167	178961.84	179304.81	1262.10	1246.31	0.00	0.00
Beals & Salt Valley	D0-167-2	178936.03	179294.78	1262.10	1246.31	0.00	0.00
Beals & Salt Valley	D0-168	179138.22	178867.58	1265.03	1247.85	0.00	3.73
Beals & Salt Valley	D0-168-2	179122.87	178789.95	1265.03	1247.85	0.00	0.00
Beals & Salt Valley	D0-60	177199.49	181613.95	1247.39	1231.14	0.00	0.00
Beals & Salt Valley	D0-60-2	177161.26	181592.49	1247.39	1231.14	0.00	0.00
Beals & Salt Valley	D0-61	176801.73	181659.62	1247.00	1228.60	0.00	0.00
Beals & Salt Valley	D0-61-2	176789.99	181630.76	1247.00	1228.60	0.00	0.00
Beals & Salt Valley	D0-62	176421.76	181702.78	1241.30	1226.31	0.00	0.00
Beals & Salt Valley	D0-62-2	176408.79	181675.65	1241.30	1226.31	0.00	0.00
Beals & Salt Valley	WWTP	163952.20	214544.78	1149.99	1119.99	0.00	0.00
Antelope Creek	B4-12	163307.85	204695.86	1159.58	1142.38	0.00	0.00
Antelope Creek	B4-302	164529.71	203037.38	1165.46	1151.10	0.00	0.00
Antelope Creek	B4-359	164341.15	203292.03	1161.17	1150.00	0.00	0.00
Antelope Creek	B4-486	163323.65	204639.14	1159.51	1142.50	0.00	3.53
Antelope Creek	B4-487	163475.81	204563.96	1158.77	1142.77	0.00	0.00
Antelope Creek	B4-5	163322.55	205149.55	1158.71	1147.20	0.00	0.00
Antelope Creek	B4-527	163666.79	204563.50	1162.06	1143.00	0.00	0.00
Antelope Creek	B4-536	163321.21	204931.69	1157.98	1147.80	0.00	0.00
Antelope Creek	B4-544	163750.25	204425.22	1162.01	1143.30	0.00	0.00
Antelope Creek	B4-547	164002.36	204009.84	1164.03	1144.00	0.00	0.00
Antelope Creek	B4-565	164315.91	203381.62	1161.08	1145.00	0.00	0.00
Antelope Creek	B4-566	164259.62	203250.46	1166.29	1145.20	0.00	0.00
Antelope Creek	B4-567	164528.36	202830.02	1153.03	1146.00	0.00	0.00
Antelope Creek	B4-568	164707.64	202462.03	1168.97	1149.40	0.00	0.00
Antelope Creek	B4-569	164870.50	202251.80	1169.82	1150.02	0.00	0.00
Antelope Creek	B4-570	165165.52	201902.52	1169.99	1151.30	0.00	0.00
Antelope Creek	B4-571	165360.30	201694.49	1170.75	1152.20	0.00	0.00
Antelope Creek	B4-572	165528.08	201536.56	1172.94	1152.90	0.00	0.00
Antelope Creek	B4-576	164186.16	203646.62	1164.64	1144.60	0.00	0.00
Antelope Creek	B4-584	164531.01	203290.93	1169.34	1150.70	0.00	0.00
Antelope Creek	B4-586	164358.33	203292.11	1166.08	1150.00	0.00	0.00
Antelope Creek	B4-587	164454.22	203291.58	1169.34	1150.70	0.00	0.00
Antelope Creek	B4-6	163309.85	205115.54	1158.54	1141.94	0.00	0.00
Antelope Creek	B4-650	163321.21	204801.37	1159.02	1148.10	0.00	0.00
Antelope Creek	B4-684	162918.75	205260.80	1158.74	1141.30	0.00	0.00
Antelope Creek	B4-685	163022.91	204932.48	1159.02	1141.90	0.00	0.00
Antelope Creek	B4-686	163251.77	204657.76	1159.51	1142.50	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Antelope Creek	B4-687	163281.75	204630.83	1160.10	1142.60	0.00	0.00
Antelope Creek	B4-688	163308.52	204776.72	1149.18	1142.29	0.00	0.00
Antelope Creek	B4-7	163295.82	205148.29	1158.71	1141.90	0.00	0.00
Antelope Creek	B4-ADD	164731.95	202759.24	1164.25	1153.20	0.00	0.00
Antelope Creek	B5-139	163213.67	206556.57	1152.48	1138.84	0.00	0.00
Antelope Creek	B5-148	162964.50	206746.64	1154.45	1139.40	0.00	0.00
Antelope Creek	B5-17	162961.06	206579.19	1152.00	1139.60	0.00	0.00
Antelope Creek	B5-211	162561.22	207971.26	1151.64	1137.10	0.00	0.00
Antelope Creek	B5-212	162163.11	207974.45	1150.98	1136.20	0.00	0.00
Antelope Creek	B5-236	161897.88	208723.27	1150.04	1134.50	0.00	0.00
Antelope Creek	B5-237	162106.01	208483.16	1148.10	1135.40	0.00	0.00
Antelope Creek	B5-267	161899.49	208931.41	1148.90	1134.10	0.00	0.00
Antelope Creek	B5-287	161354.92	209310.53	1147.60	1132.60	0.00	0.00
Antelope Creek	B5-289	161395.18	209224.59	1147.89	1132.70	0.00	0.00
Antelope Creek	B5-291	161721.50	208971.40	1150.10	1133.70	0.00	0.00
Antelope Creek	B5-317	161169.52	209706.24	1148.44	1131.60	0.00	0.00
Antelope Creek	B5-486	162337.91	210538.71	1155.80	1128.00	0.00	0.00
Antelope Creek	B5-487	162337.61	210244.75	1150.00	1128.40	0.00	0.00
Antelope Creek	B5-488	162337.33	209975.02	1149.00	1128.70	0.00	0.00
Antelope Creek	B5-489	162741.75	209972.49	1149.40	1129.30	0.00	0.00
Antelope Creek	B5-490	163168.91	209965.92	1149.90	1129.80	0.00	0.00
Antelope Creek	B5-491	163167.66	209637.96	1149.37	1130.20	0.00	0.00
Antelope Creek	B5-492	163166.35	209293.63	1149.10	1130.70	0.00	0.00
Antelope Creek	B5-493	163493.74	209289.23	1150.70	1131.14	0.00	0.00
Antelope Creek	B5-494	163492.61	208946.71	1154.60	1131.58	0.00	0.00
Antelope Creek	B5-495	163491.56	208633.22	1150.88	1131.98	0.00	0.00
Antelope Creek	B5-496	163498.80	208321.84	1153.60	1132.38	0.00	0.00
Antelope Creek	B5-498	163497.79	208017.03	1139.78	1132.94	0.00	0.00
Antelope Creek	B5-500	163490.31	207805.50	1168.06	1133.05	0.00	2.38
Antelope Creek	B5-508	163492.91	209037.19	1149.46	1131.46	0.00	0.00
Antelope Creek	B5-515	163484.83	207445.05	1152.07	1134.41	0.00	0.00
Antelope Creek	B5-516	163483.41	207091.70	1152.41	1135.72	0.00	0.00
Antelope Creek	B5-517	163490.25	206744.79	1153.32	1136.47	0.00	0.00
Antelope Creek	B5-520	163210.19	206358.35	1155.04	1139.04	0.00	0.00
Antelope Creek	B5-522	163208.19	205952.20	1155.38	1139.70	0.00	0.00
Antelope Creek	B5-524	163207.31	205550.97	1157.43	1140.40	0.00	0.00
Antelope Creek	B5-526	163206.73	205420.81	1159.23	1140.63	0.00	0.00
Antelope Creek	B5-527	163166.62	205381.06	1158.62	1140.70	0.00	0.00
Antelope Creek	B5-528	162949.00	205382.32	1157.65	1141.10	0.00	0.00
Antelope Creek	B5-531	163238.49	205387.40	1158.66	1141.60	0.00	0.00
Antelope Creek	B5-532	163324.84	205382.01	1159.12	1146.20	0.00	0.00
Antelope Creek	B5-533	163324.46	205361.14	1158.77	1146.00	0.00	0.00
Antelope Creek	B5-547	161216.99	209604.92	1145.98	1131.90	0.00	0.00
Antelope Creek	B5-620	162965.05	206884.04	1152.25	1139.30	0.00	0.00
Antelope Creek	B5-621	162878.97	207046.24	1153.92	1139.10	0.00	0.00
Antelope Creek	B5-622	162882.66	207522.78	1153.52	1138.70	0.00	0.00
Antelope Creek	B5-623	162796.46	207978.81	1153.98	1138.20	0.00	0.00
Antelope Creek	B5-626	163488.75	207614.38	1152.08	1133.77	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Antelope Creek	B5-632	160391.37	209552.34	1149.87	1135.40	0.00	0.00
Antelope Creek	B5-633	160689.50	209735.01	1147.60	1133.50	0.00	0.00
Antelope Creek	B5-634	161145.60	209796.72	1148.55	1131.00	0.00	0.00
Antelope Creek	B5-635	161010.84	209921.87	1147.11	1130.50	0.00	1.44
Antelope Creek	B5-637	160795.35	210281.75	1146.14	1130.10	0.00	0.00
Antelope Creek	B5-638	160993.17	210408.03	1145.35	1129.90	0.00	0.00
Antelope Creek	B5-88	163216.96	205957.63	1155.16	1140.90	0.00	0.00
Antelope Creek	C2-580	176185.39	194689.51	1215.81	1201.80	0.00	0.00
Antelope Creek	C2-581	176168.90	194185.15	1217.16	1203.10	0.00	0.00
Antelope Creek	C2-582	176157.54	194063.23	1217.00	1204.70	0.00	0.00
Antelope Creek	C2-584	176120.27	193688.45	1222.56	1209.00	0.00	0.00
Antelope Creek	C2-585	176114.10	193527.78	1220.70	1210.40	0.00	0.00
Antelope Creek	C2-586	176127.16	193275.37	1222.98	1212.10	0.00	0.00
Antelope Creek	C2-587	176138.04	193190.05	1223.26	1212.70	0.00	0.00
Antelope Creek	C2-X50	176161.50	193026.00	1225.05	1214.10	0.00	0.00
Antelope Creek	C3-178	172314.80	196518.82	1204.40	1189.00	0.00	0.00
Antelope Creek	C3-378	168224.79	199552.51	1181.49	1168.20	0.00	0.00
Antelope Creek	C3-380	168343.69	199464.74	1182.31	1168.80	0.00	0.00
Antelope Creek	C3-444	175526.85	194724.79	1208.60	1195.50	0.00	0.00
Antelope Creek	C3-450	175086.05	194759.59	1206.89	1193.60	0.00	0.00
Antelope Creek	C3-461	174836.96	195078.16	1211.32	1192.00	0.00	0.00
Antelope Creek	C3-462	174668.33	195344.22	1211.79	1190.70	0.00	0.00
Antelope Creek	C3-477	174545.87	195358.76	1199.60	1190.29	0.00	0.00
Antelope Creek	C3-488	174080.78	195430.25	1200.85	1188.30	0.00	0.00
Antelope Creek	C3-536	169853.27	197858.97	1192.48	1169.80	0.00	0.00
Antelope Creek	C3-554	173513.00	195699.65	1204.02	1185.50	0.00	0.00
Antelope Creek	C3-555	173064.33	195617.15	1206.96	1183.90	0.00	0.00
Antelope Creek	C3-556	172610.17	195808.52	1199.36	1181.40	0.00	0.00
Antelope Creek	C3-557	172260.14	195846.68	1197.89	1180.30	0.00	0.00
Antelope Creek	C3-558	171995.56	195879.61	1201.59	1179.00	0.00	0.00
Antelope Creek	C3-559	171610.10	196003.60	1199.38	1177.80	0.00	0.00
Antelope Creek	C3-560	171304.60	196243.53	1195.90	1176.70	0.00	0.00
Antelope Creek	C3-561	170979.35	196576.47	1194.11	1175.30	0.00	5.06
Antelope Creek	C3-562	170598.00	196848.42	1189.06	1173.80	0.00	0.00
Antelope Creek	C3-563	170267.49	197045.54	1194.22	1172.60	0.00	0.00
Antelope Creek	C3-564	170265.56	197320.84	1192.86	1171.90	0.00	0.00
Antelope Creek	C3-565	170185.22	197522.05	1192.00	1171.30	0.00	0.00
Antelope Creek	C3-567	169583.70	198184.98	1187.45	1168.90	0.00	0.00
Antelope Creek	C3-568	169120.57	198516.35	1185.20	1167.80	0.00	0.00
Antelope Creek	C3-569	168862.98	198900.52	1186.49	1166.60	0.00	0.00
Antelope Creek	C3-570	168677.39	199249.60	1183.43	1165.50	0.00	0.00
Antelope Creek	C3-571	168205.47	199551.54	1182.31	1164.24	0.00	0.00
Antelope Creek	C3-572	167981.06	199687.90	1181.74	1164.20	0.00	0.00
Antelope Creek	C3-573	167615.81	199869.56	1181.12	1163.30	0.00	0.00
Antelope Creek	C3-578	176165.66	194736.35	1210.14	1198.10	0.00	3.90
Antelope Creek	C3-612	172237.75	196079.08	1200.70	1183.00	0.00	0.00
Antelope Creek	C3-624	168665.63	199252.53	1182.89	1170.10	0.00	0.00
Antelope Creek	C3-635	173593.96	195678.43	1205.88	1186.20	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Antelope Creek	C3-67	173929.18	195675.96	1202.96	1187.30	0.00	0.00
Antelope Creek	C4-511	167110.45	200283.03	1179.90	1159.10	0.00	0.00
Antelope Creek	C4-512	166847.64	200520.90	1204.22	1158.05	0.00	7.53
Antelope Creek	C4-513	166647.05	200821.16	1175.50	1157.00	0.00	0.00
Antelope Creek	C4-514	166329.66	201097.37	1174.44	1155.70	0.00	0.00
Antelope Creek	C4-516	167378.06	200105.08	1180.33	1161.00	0.00	0.00
Antelope Creek	C4-569	165733.97	201448.90	1173.01	1153.50	0.00	0.00
Antelope Creek	C4-570	165907.86	201221.01	1173.99	1154.40	0.00	0.00
Antelope Creek	D1-163	179950.57	187811.53	1268.80	1258.80	0.00	0.00
Antelope Creek	D1-21	178652.68	188970.42	1265.89	1254.80	0.00	0.00
Antelope Creek	D1-22	178909.45	188726.91	1266.93	1255.70	0.00	0.00
Antelope Creek	D1-23	179196.47	188457.17	1267.06	1256.70	0.00	0.00
Antelope Creek	D1-24	179497.57	188261.35	1266.99	1257.60	0.00	0.00
Antelope Creek	D1-25	179754.78	187937.35	1265.90	1258.60	0.00	0.00
Antelope Creek	D1-30	179005.60	188636.56	1278.24	1256.00	0.00	0.00
Antelope Creek	D1-31	178946.01	188692.56	1267.55	1255.80	0.00	0.00
Antelope Creek	D1-312	180115.01	187763.26	1267.70	1259.00	0.00	7.34
Antelope Creek	D1-4	178311.59	189333.01	1265.10	1254.40	0.00	0.00
Antelope Creek	D1-42	179637.20	188085.47	1267.10	1258.10	0.00	0.00
Antelope Creek	D1-427	186690.53	185404.14	1305.25	1295.00	0.00	0.00
Antelope Creek	D1-428	186688.53	185935.97	1304.53	1291.50	0.00	0.00
Antelope Creek	D1-429	186336.04	186284.41	1300.80	1288.90	0.00	0.00
Antelope Creek	D1-430	185863.54	186551.70	1293.42	1286.80	0.00	0.00
Antelope Creek	D1-431	185583.37	187019.44	1293.46	1283.30	0.00	0.00
Antelope Creek	D1-432	185234.53	187223.36	1292.00	1282.80	0.00	0.00
Antelope Creek	D1-433	185012.92	187456.92	1287.89	1277.90	0.00	0.00
Antelope Creek	D1-434	185127.58	187618.55	1284.79	1276.40	0.00	0.00
Antelope Creek	D1-435	185243.82	187831.33	1287.14	1275.90	0.00	0.00
Antelope Creek	D1-436	184844.61	188040.43	1284.14	1274.20	0.00	0.00
Antelope Creek	D1-437	184658.96	188276.29	1281.62	1273.10	0.00	0.00
Antelope Creek	D1-440	184144.85	188707.31	1272.97	1266.80	0.00	0.00
Antelope Creek	D1-441	184058.75	188820.04	1273.13	1266.79	0.00	0.00
Antelope Creek	D1-442	184087.79	189063.29	1276.35	1264.90	0.00	0.00
Antelope Creek	D1-443	184073.64	189334.33	1276.05	1263.10	0.00	0.00
Antelope Creek	D1-444	183694.10	189336.29	1272.79	1259.50	0.00	0.00
Antelope Creek	D1-510	185854.70	186578.11	1299.18	1286.18	0.00	0.00
Antelope Creek	D1-547	184995.50	188012.34	1285.23	1274.50	0.00	0.00
Antelope Creek	D1-548	184287.68	188706.28	1278.31	1268.60	0.00	0.00
Antelope Creek	D1-550	185237.22	187782.92	1286.06	1276.00	0.00	0.00
Antelope Creek	D1-582	183387.86	189339.36	1269.48	1258.00	0.00	6.37
Antelope Creek	D2-130	177085.02	190821.28	1264.33	1247.40	0.00	3.16
Antelope Creek	D2-16	177916.52	189602.62	1270.28	1252.10	0.00	0.00
Antelope Creek	D2-161	182315.60	192007.76	1270.09	1255.50	0.00	0.00
Antelope Creek	D2-17	177503.42	189875.05	1271.81	1250.70	0.00	0.00
Antelope Creek	D2-177	182912.68	190635.60	1267.00	1256.60	0.00	0.00
Antelope Creek	D2-178	183039.77	190023.06	1267.01	1257.00	0.00	0.00
Antelope Creek	D2-179	183352.40	189836.42	1269.00	1257.20	0.00	0.00
Antelope Creek	D2-18	177511.77	190204.98	1269.71	1249.70	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Antelope Creek	D2-19	177223.75	190677.83	1263.66	1248.00	0.00	0.00
Antelope Creek	D2-20	177037.72	190856.27	1261.34	1247.20	0.00	0.00
Antelope Creek	D2-21	176853.43	191060.77	1263.45	1246.40	0.00	0.00
Antelope Creek	D2-22	176853.08	191499.03	1254.50	1242.60	0.00	0.00
Antelope Creek	D2-23	176852.95	191750.56	1242.26	1231.60	0.00	0.00
Antelope Creek	D2-24	176848.81	191996.12	1233.57	1224.30	0.00	0.00
Antelope Creek	D2-25	176169.44	192007.58	1236.70	1222.30	0.00	3.32
Antelope Creek	D2-255	176176.05	192600.03	1227.86	1217.50	0.00	0.00
Antelope Creek	D2-256	176201.94	194678.74	1213.97	1201.70	0.00	0.00
Antelope Creek	D2-257	176465.46	194677.85	1216.63	1202.80	0.00	0.00
Antelope Creek	D2-258	176695.48	194677.08	1219.75	1203.70	0.00	0.00
Antelope Creek	D2-259	177135.53	194675.60	1222.11	1205.50	0.00	0.00
Antelope Creek	D2-26	176172.42	192274.48	1232.96	1220.10	0.00	0.00
Antelope Creek	D2-282	177410.00	190372.04	1265.13	1249.10	0.00	0.00
Antelope Creek	D2-381	183363.50	189828.87	1269.11	1257.70	0.00	0.00
Antelope Creek	D2-382	183039.56	190027.32	1266.16	1257.40	0.00	0.00
Antelope Creek	D2-383	182920.46	190608.10	1265.95	1257.00	0.00	0.00
Antelope Creek	D2-384	183060.91	190700.13	1266.35	1256.90	0.00	0.00
Antelope Creek	D2-385	182765.70	191077.91	1264.79	1256.50	0.00	0.00
Antelope Creek	D2-386	182396.52	191550.51	1264.47	1256.10	0.00	0.00
Antelope Creek	D2-387	182066.45	191979.46	1262.53	1255.70	0.00	0.00
Antelope Creek	D2-388	182077.93	192191.83	1260.71	1255.50	0.00	0.00
Antelope Creek	D2-389	182201.88	192455.07	1262.85	1255.30	0.00	0.00
Antelope Creek	D2-390	182019.83	192694.01	1261.69	1255.10	0.00	0.00
Antelope Creek	D2-391	181652.39	192914.35	1262.82	1254.80	0.00	0.00
Antelope Creek	D2-392	181660.26	192937.02	1262.38	1254.80	0.00	0.00
Antelope Creek	D2-42	181433.90	193605.98	1267.46	1254.30	0.00	0.00
Antelope Creek	D2-43	181085.16	193825.21	1269.66	1253.10	0.00	0.00
Antelope Creek	D2-44	180725.80	194052.31	1271.12	1251.90	0.00	0.00
Antelope Creek	D2-45	180418.83	194318.11	1271.35	1250.60	0.00	0.00
Antelope Creek	D2-46	180173.36	194671.00	1272.46	1249.30	0.00	0.00
Antelope Creek	D2-48	176173.15	192897.00	1226.50	1215.20	0.00	0.00
Antelope Creek	D2-56	176177.51	192776.32	1227.50	1216.20	0.00	0.00
Antelope Creek	D2-67	181447.04	193114.80	1258.01	1254.50	0.00	0.00
Antelope Creek	D2-68	181729.39	192892.76	1263.83	1254.80	0.00	0.00
Antelope Creek	D2-69	182032.14	192710.09	1263.73	1255.10	0.00	0.00
Antelope Creek	D2-70	182262.26	192246.88	1268.13	1255.40	0.00	0.00
Antelope Creek	D2-71	182467.91	191793.69	1272.27	1255.73	0.00	0.00
Antelope Creek	D2-72	182847.77	191333.41	1275.08	1256.08	0.00	0.00
Antelope Creek	D2-73	183220.13	190881.77	1270.72	1256.70	0.00	0.00
Antelope Creek	D3-10	178516.11	195025.39	1230.30	1219.90	0.00	0.00
Antelope Creek	D3-11	178857.26	195361.33	1238.65	1222.70	0.00	0.00
Antelope Creek	D3-16	179458.20	195663.21	1273.10	1245.50	0.00	0.00
Antelope Creek	D3-17	179253.87	195816.69	1271.74	1244.74	0.00	0.00
Antelope Creek	D3-18	179057.75	195817.00	1248.89	1229.50	0.00	0.00
Antelope Creek	D3-19	178857.93	195812.99	1238.56	1225.40	0.00	0.00
Antelope Creek	D3-3	178183.71	194698.47	1228.30	1217.10	0.00	0.00
Antelope Creek	D3-4	177664.66	194709.31	1225.40	1213.10	0.00	0.00

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Antelope Creek	D3-407	179724.07	195359.98	1273.18	1246.80	0.00	0.00
Antelope Creek	D3-408	179942.93	195025.11	1272.98	1248.00	0.00	0.00
Antelope Creek	D3-5	177164.61	194710.99	1222.25	1209.10	0.00	0.00
Antelope Creek	D3-543	176669.52	194734.00	1218.64	1203.60	0.00	0.00
Antelope Creek	E0-17	187610.00	184103.48	1314.50	1306.00	0.00	4.96
Antelope Creek	E0-4	188145.03	184103.13	1331.70	1311.80	0.00	2.18
Antelope Creek	E1-1	187516.62	184391.86	1312.34	1304.50	0.00	0.00
Antelope Creek	E1-2	187137.00	184549.61	1308.41	1302.00	0.00	0.00
Antelope Creek	E1-3	186952.33	184926.65	1306.04	1298.70	0.00	0.00
Antelope Creek	E1-4	186812.32	185334.53	1307.21	1295.30	0.00	0.00
Antelope Creek	E1-93	187591.79	184160.91	1321.85	1305.40	0.00	0.00
UNK	C8-19	176229.56	226374.66	1135.00	1116.07	0.00	0.00
UNK	D1S-900	180066.62	174076.22	1293.80	1278.80	0.00	1.01
UNK	D1S-905	180576.29	172782.45	1298.29	1283.29	0.00	4.68
UNK	D7-403	176294.51	221152.07	1150.48	1138.02	0.00	0.00
UNK	B1S-95	163152.90	173619.18	1200.54	1185.54	0.00	0.00
UNK	B1S-96	163077.08	173671.08	1202.31	1187.31	0.00	6.73
UNK	B4-717	155893.45	200713.34	1153.45	1136.85	0.00	0.00
UNK	B4-718	155895.37	201116.96	1152.58	1136.38	0.00	0.00
UNK	B4-719	155876.38	202334.15	1150.35	1135.55	0.00	0.00
UNK	B5-139-2	163274.07	206590.34	1155.00	1137.70	0.00	0.00
UNK	B5-139-3	163356.67	206606.83	1155.00	1125.40	0.00	0.00
UNK	B5-139-4	163431.00	206661.76	1155.00	1125.40	0.00	0.00
UNK	B5-139-5	163425.50	206714.95	1155.00	1136.54	0.00	0.00
UNK	D8-187	176460.63	221261.49	1150.00	1138.22	0.00	0.00
UNK	D8-24	176735.27	221215.73	1149.80	1138.56	0.00	0.00
UNK	D8-25	176673.20	221263.88	1149.56	1138.45	0.00	0.00
UNK	MH-10	163011.54	168844.46	1192.00	1174.85	0.00	0.00
UNK	MH-11	163317.26	168328.19	1195.00	1175.43	0.00	0.00
UNK	MH-12	163754.97	167957.50	1193.25	1175.99	0.00	0.00
UNK	MH-4	161479.87	171821.77	1183.25	1171.66	0.00	0.00
UNK	MH-5	161677.47	171445.85	1182.00	1172.00	0.00	0.00
UNK	MH-6	161886.44	170919.92	1183.50	1172.54	0.00	0.00
UNK	MH-7	162113.94	170736.21	1189.50	1173.12	0.00	0.00
UNK	MH-8	162382.69	169877.00	1187.50	1173.70	0.00	0.00
UNK	MH-9	162688.40	169360.73	1190.50	1174.28	0.00	0.00
UNK	N1474	154291.91	205842.15	1147.42	1142.42	0.00	0.00
UNK	N1475	167217.34	218573.55	1145.00	1130.00	0.00	0.00
UNK	N1477	163382.29	214749.26	1145.50	1107.50	0.00	0.00
UNK	N1478	138614.21	217737.41	1163.00	1136.74	0.00	0.00
UNK	N1479	138699.90	217734.36	1163.00	1136.74	0.00	0.00
UNK	N1482	138610.05	217659.95	1163.00	1136.89	0.00	0.00
UNK	N1483	138697.49	217660.91	1163.00	1136.89	0.00	0.00
UNK	N751	160655.87	212623.76	1149.00	1110.10	0.00	0.00
UNK	N752	160778.97	212627.90	1149.00	1110.10	0.00	0.00
UNK	SB1-10	169451.40	169089.20	1217.60	1200.23	0.00	0.00
UNK	SB1-11	169955.97	168810.50	1222.00	1203.27	0.00	0.00
UNK	SB1-12	170275.72	168617.37	1225.20	1204.91	0.00	1.54

Table A5 - Manhole Tier 2 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
UNK	SB1-13	170551.85	168956.48	1216.00	1206.98	0.00	0.00
UNK	SB1-14	170936.86	169144.60	1226.00	1209.55	0.00	7.60
UNK	SB1-15	171111.05	169162.03	1227.60	1210.56	0.00	0.00
UNK	SB4-57	164111.75	167374.88	1193.25	1176.50	0.00	23.79
UNK	SB4-58	164922.44	167462.40	1192.90	1179.80	0.00	0.39
UNK	SB4-59	165491.30	167500.65	1200.10	1181.39	0.00	0.00
UNK	SB4-60	166038.94	167515.15	1197.60	1182.52	0.00	0.00
UNK	SB4-61	166686.24	167509.84	1200.30	1183.76	0.00	1.75
UNK	SB4-62	166712.50	167560.92	1200.60	1184.07	0.00	0.00
UNK	SB4-63	167077.19	167863.23	1202.90	1184.92	0.00	0.64
UNK	SB4-64	167349.43	168215.01	1206.30	1186.39	0.00	0.37
UNK	SB4-65	168022.58	168537.28	1209.10	1188.45	0.00	0.97
UNK	SB4-66	168783.73	168901.66	1213.00	1192.35	0.00	4.59
UNK	SW-1	156696.87	184170.20	1174.02	1144.25	0.00	0.00
UNK	SW-2	156818.61	183116.78	1175.44	1145.68	0.00	0.00
UNK	SW-3	156875.41	181593.40	1177.62	1147.86	0.00	0.00
UNK	SW-4	156994.10	179746.26	1180.02	1150.26	0.00	0.00
UNK	SW-5	156845.42	178213.61	1182.12	1152.36	0.00	0.00
UNK	SW-6	150871.26	178224.93	1203.02	1168.36	0.00	18.43
UNK	SW-7	152937.69	178185.46	1197.92	1163.26	0.00	11.32
UNK	SW-8	155064.80	178194.77	1192.47	1157.81	0.00	0.00
UNK	SW-9	156891.21	176205.41	1187.12	1158.36	0.00	19.28

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Antelope Creek	PP716	B5-632	B5-633	1135.40	1133.54	350.00	1.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	4.33	7.66	-0.04	0.00
Antelope Creek	PP717	B5-633	B5-635	1133.54	1130.57	378.00	1.50	0.01	0.00	0.00	0.00	0.00	0.05	-9E+99	5.27	9.31	1.02	0.00
Antelope Creek	PP543	D2-179	D2-178	1257.23	1257.01	365.00	2.50	0.00	0.00	0.00	2.14	7.74	0.74	-9E+99	2.05	10.07	1.75	0.70
Antelope Creek	PP544	D2-178	D2-177	1257.01	1256.65	623.00	2.50	0.00	0.00	0.00	2.10	7.73	0.74	-9E+99	2.01	9.86	1.81	0.72
Antelope Creek	PP545	D2-177	D2-73	1256.65	1256.72	401.19	2.50	0.00	-1.92	-5.85	2.08	7.73	0.74	-9E+99	1.10	5.42	1.74	0.69
Antelope Creek	PP546	D2-73	D2-72	1256.72	1256.08	583.16	2.50	0.00	0.00	0.00	2.46	7.73	0.70	-9E+99	2.77	13.59	1.76	0.70
Antelope Creek	PP547	D2-72	D2-71	1256.08	1255.73	600.00	2.50	0.00	0.00	0.00	2.11	7.73	0.74	-9E+99	2.02	9.91	1.81	0.73
Antelope Creek	PP548	D2-71	D2-161	1255.73	1255.59	260.34	2.50	0.00	0.00	0.00	2.04	7.73	0.75	-9E+99	1.94	9.51	1.83	0.73
Antelope Creek	PP549	D2-161	D2-70	1255.59	1255.46	239.66	2.50	0.00	0.00	0.00	2.02	7.73	0.75	-9E+99	1.95	9.55	1.86	0.74
Antelope Creek	PP550	D2-70	D2-69	1255.46	1255.13	544.40	2.50	0.00	0.00	0.00	1.98	7.73	0.75	-9E+99	2.06	10.10	1.96	0.78
Antelope Creek	PP551	D2-69	D2-68	1255.13	1254.83	355.60	2.50	0.00	0.00	0.00	1.92	7.73	0.76	-9E+99	2.43	11.91	2.13	0.85
Antelope Creek	PP552	D2-68	D2-392	1254.83	1254.82	83.20	2.50	0.00	0.00	0.00	1.76	7.73	0.76	-9E+99	0.92	4.50	2.13	0.85
Antelope Creek	PP553	E0-4	E0-17	1311.85	1306.00	486.00	1.50	0.01	0.00	0.00	3.90	2.18	0.27	-9E+99	6.52	11.52	1.42	0.95
Antelope Creek	PP554	E0-17	E1-93	1306.00	1305.40	100.00	1.50	0.01	0.00	0.00	4.46	7.14	0.45	-9E+99	4.60	8.14	1.61	1.07
Antelope Creek	PP555	E1-93	E1-1	1305.40	1304.50	303.00	1.50	0.00	0.00	0.00	4.00	7.14	0.45	-9E+99	3.24	5.72	1.61	1.07
Antelope Creek	PP556	E1-1	E1-2	1304.50	1302.00	424.00	1.50	0.01	0.00	0.00	5.09	7.14	0.45	-9E+99	4.56	8.07	1.12	0.75
Antelope Creek	PP557	E1-2	E1-3	1302.00	1298.75	437.00	1.50	0.01	0.00	0.00	5.68	7.14	0.44	-9E+99	5.13	9.06	1.00	0.67
Antelope Creek	PP558	E1-3	E1-4	1298.75	1295.31	434.00	1.50	0.01	0.00	0.00	5.60	7.14	0.44	-9E+99	5.29	9.35	1.32	0.88
Antelope Creek	PP559	E1-4	D1-427	1295.31	1295.00	104.00	1.50	0.00	0.00	0.00	4.41	7.14	0.45	-9E+99	3.25	5.73	1.32	0.88
Antelope Creek	PP560	D1-427	D1-428	1295.00	1291.52	597.00	1.50	0.01	0.00	0.00	5.08	7.14	0.45	-9E+99	4.54	8.02	1.22	0.81
Antelope Creek	PP561	D1-428	D1-429	1291.52	1288.95	469.00	1.50	0.01	0.00	0.00	4.77	7.14	0.45	-9E+99	4.40	7.78	1.61	1.08
Antelope Creek	PP562	D1-429	D1-430	1288.95	1286.80	557.00	1.50	0.00	0.00	0.00	4.13	7.14	0.45	-9E+99	3.69	6.53	1.61	1.08
Antelope Creek	PP563	D1-430	D1-510	1286.80	1286.18	62.00	1.50	0.01	0.00	0.00	5.61	7.14	0.44	-9E+99	5.94	10.50	1.21	0.80
Antelope Creek	PP564	D1-510	D1-431	1286.18	1283.35	519.00	1.50	0.01	0.00	0.00	4.67	7.14	0.45	-9E+99	4.39	7.76	1.56	1.04
Antelope Creek	PP565	D1-431	D1-432	1283.35	1282.86	404.00	1.75	0.00	0.00	0.00	3.28	7.14	0.52	-9E+99	2.29	5.52	1.56	0.89
Antelope Creek	PP566	D1-432	D1-433	1282.86	1277.96	326.00	1.75	0.02	0.00	0.00	7.21	7.14	0.39	-9E+99	8.08	19.43	0.92	0.53
Antelope Creek	PP567	D1-433	D1-434	1277.96	1276.44	194.00	1.75	0.01	0.00	0.00	5.30	7.14	0.46	-9E+99	5.83	14.03	1.33	0.76
Antelope Creek	PP568	D1-434	D1-550	1276.44	1276.06	202.00	1.75	0.00	0.00	0.00	3.69	7.14	0.53	-9E+99	2.86	6.87	1.33	0.76
Antelope Creek	PP569	D1-550	D1-435	1276.06	1275.90	48.00	1.75	0.00	0.00	0.00	4.40	7.14	0.50	-9E+99	3.80	9.15	1.12	0.64
Antelope Creek	PP570	D1-435	D1-547	1275.90	1274.55	311.00	1.75	0.00	0.00	0.00	4.44	7.14	0.50	-9E+99	4.34	10.44	1.32	0.75
Antelope Creek	PP571	D1-547	D1-436	1274.55	1274.27	155.00	1.75	0.00	0.00	0.00	3.73	7.14	0.53	-9E+99	2.80	6.73	1.32	0.75
Antelope Creek	PP572	D1-436	D1-437	1274.27	1273.12	303.00	1.75	0.00	0.00	0.00	4.41	7.14	0.50	-9E+99	4.06	9.76	1.13	0.65
Antelope Creek	PP573	D1-437	D1-548	1273.12	1268.61	543.00	1.75	0.01	0.00	0.00	5.98	7.14	0.44	-9E+99	6.00	14.44	0.87	0.50
Antelope Creek	PP574	D1-548	D1-440	1268.61	1266.81	185.00	1.75	0.01	0.00	0.00	5.57	7.14	0.45	-9E+99	6.50	15.63	1.38	0.79
Antelope Creek	PP575	D1-440	D1-441	1266.81	1266.79	136.00	1.75	0.00	0.00	0.00	3.65	7.14	0.52	-9E+99	0.80	1.92	1.38	0.79
Antelope Creek	PP576	D1-441	D1-442	1266.79	1264.91	244.00	1.75	0.01	0.00	0.00	5.77	7.14	0.44	-9E+99	5.78	13.91	0.93	0.53
Antelope Creek	PP577	D1-442	D1-443	1264.91	1263.14	270.00	1.75	0.01	0.00	0.00	5.47	7.14	0.45	-9E+99	5.33	12.83	0.93	0.53
Antelope Creek	PP578	D1-443	D1-444	1263.14	1259.56	379.00	1.75	0.01	0.00	0.00	6.09	7.14	0.43	-9E+99	6.40	15.40	1.04	0.60
Antelope Creek	PP579	D1-444	D1-582	1259.54	1258.09	316.00	1.75	0.00	0.00	0.00	4.57	7.14	0.49	-9E+99	4.46	10.73	1.29	0.74
Antelope Creek	PP580	D1-582	D2-381	1258.09	1257.73	504.00	2.50	0.00	0.00	0.00	2.26	5.75	0.64	-9E+99	2.23	10.96	1.29	0.51
Antelope Creek	L794	D1-582	D2-179	1258.00	1257.20	501.00	2.50	0.00	0.00	0.00	2.71	7.74	0.67	-9E+99	3.34	16.39	1.75	0.70
Antelope Creek	PP581	D2-381	D2-382	1257.73	1257.45	380.00	2.50	0.00	0.00	0.00	2.26	5.75	0.64	-9E+99	2.27	11.13	1.29	0.52
Antelope Creek	PP582	D2-382	D2-383	1257.45	1257.03	587.00	2.50	0.00	0.00	0.00	2.25	5.75	0.64	-9E+99	2.24	10.97	1.30	0.52
Antelope Creek	PP583	D2-383	D2-384	1257.03	1256.90	173.00	2.50	0.00	0.00	0.00	2.23	5.75	0.64	-9E+99	2.29	11.24	1.31	0.53

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Antelope Creek	PP584	D2-384	D2-385	1256.90	1256.55	485.00	2.50	0.00	0.00	0.00	2.20	5.75	0.64	-9E+99	2.24	11.02	1.34	0.54
Antelope Creek	PP585	D2-385	D2-386	1256.55	1256.12	600.00	2.50	0.00	0.00	0.00	2.13	5.75	0.65	-9E+99	2.24	10.98	1.42	0.57
Antelope Creek	PP586	D2-386	D2-387	1256.12	1255.72	543.00	2.50	0.00	0.00	0.00	2.00	5.75	0.68	-9E+99	2.27	11.13	1.55	0.62
Antelope Creek	PP587	D2-387	D2-388	1255.72	1255.57	211.00	2.50	0.00	0.00	0.00	1.83	5.75	0.71	-9E+99	2.23	10.94	1.63	0.65
Antelope Creek	PP588	D2-388	D2-389	1255.57	1255.36	291.00	2.50	0.00	0.00	0.00	1.76	5.75	0.72	-9E+99	2.24	11.02	1.74	0.70
Antelope Creek	PP589	D2-389	D2-390	1255.36	1255.14	308.00	2.50	0.00	0.00	0.00	1.59	5.75	0.74	-9E+99	2.23	10.96	1.88	0.75
Antelope Creek	PP590	D2-390	D2-391	1255.14	1254.83	431.00	2.50	0.00	0.00	0.00	1.43	5.75	0.76	-9E+99	2.24	11.00	2.10	0.84
Antelope Creek	PP591	D2-391	D2-392	1254.83	1254.83	7.33	2.50	0.00	1.14	-0.41	1.31	5.75	0.76	-9E+99	0.26	1.30	2.10	0.84
Antelope Creek	PP592	D2-392	D2-67	1254.82	1254.50	369.46	2.50	0.00	0.00	0.00	3.06	13.48	0.76	-9E+99	2.46	12.07	2.11	0.84
Antelope Creek	PP593	D2-67	D2-42	1254.50	1254.36	488.00	2.50	0.00	0.00	0.00	3.27	13.48	0.75	-9E+99	1.42	6.95	2.04	0.81
Antelope Creek	PP594	D2-42	D2-43	1254.36	1253.16	373.00	2.50	0.00	0.00	0.00	4.87	13.48	0.66	-9E+99	4.74	23.26	1.41	0.56
Antelope Creek	PP595	D2-43	D2-44	1253.16	1251.92	425.00	2.50	0.00	0.00	0.00	4.73	13.48	0.67	-9E+99	4.51	22.16	1.41	0.56
Antelope Creek	PP596	D2-44	D2-45	1251.92	1250.65	425.00	2.50	0.00	0.00	0.00	4.77	13.48	0.67	-9E+99	4.57	22.42	1.40	0.56
Antelope Creek	PP597	D2-45	D2-46	1250.65	1249.36	430.00	2.50	0.00	0.00	0.00	4.78	13.48	0.67	-9E+99	4.58	22.47	1.40	0.56
Antelope Creek	PP598	D2-46	D3-408	1249.36	1248.08	420.00	2.50	0.00	0.00	0.00	4.80	13.48	0.67	-9E+99	4.61	22.64	1.40	0.56
Antelope Creek	PP599	D3-408	D3-407	1248.08	1246.88	400.00	2.50	0.00	0.00	0.00	4.78	13.48	0.67	-9E+99	4.58	22.47	1.40	0.56
Antelope Creek	PP600	D3-407	D3-16	1246.88	1245.50	404.00	2.50	0.00	0.00	0.00	4.99	13.48	0.65	-9E+99	4.88	23.97	1.39	0.56
Antelope Creek	PP601	D3-16	D3-17	1245.50	1244.74	253.00	2.50	0.00	0.00	0.00	5.06	13.48	0.65	-9E+99	4.58	22.48	1.39	0.56
Antelope Creek	PP602	D3-17	D3-18	1244.74	1240.80	197.00	2.25	0.02	0.00	0.00	9.69	13.48	0.46	-9E+99	11.02	43.80	0.86	0.38
Antelope Creek	PP603	D3-18	D3-19	1229.59	1225.46	204.00	2.25	0.02	0.00	0.00	9.20	13.48	0.48	-9E+99	11.08	44.07	1.22	0.54
Antelope Creek	PP604	D3-19	D3-11	1225.46	1222.75	461.00	2.25	0.01	0.00	0.00	6.16	13.48	0.59	-9E+99	5.97	23.75	1.22	0.54
Antelope Creek	PP605	D3-11	D3-10	1222.75	1219.90	475.00	2.25	0.01	0.00	0.00	6.19	13.48	0.59	-9E+99	6.03	23.99	1.23	0.55
Antelope Creek	PP606	D3-10	D3-3	1219.90	1217.10	467.00	2.25	0.01	0.00	0.00	6.12	13.48	0.59	-9E+99	6.03	23.98	1.23	0.55
Antelope Creek	PP607	D3-3	D3-4	1217.10	1213.10	519.00	2.25	0.01	0.00	0.00	6.81	13.48	0.56	-9E+99	6.84	27.19	1.12	0.50
Antelope Creek	PP608	D3-4	D3-5	1213.10	1209.15	500.00	2.25	0.01	0.00	0.00	6.88	13.48	0.56	-9E+99	6.92	27.53	1.11	0.49
Antelope Creek	PP609	D3-5	D3-543	1209.15	1203.64	501.00	2.50	0.01	0.00	0.00	5.92	5.19	0.35	-9E+99	8.76	43.02	0.59	0.24
Antelope Creek	PP610	D3-5	D2-259	1209.15	1205.51	25.00	1.50	0.15	0.00	0.00	13.32	8.28	0.32	-9E+99	22.68	40.08	3.18	2.12
Antelope Creek	PP740	D2-259	D2-258	1205.51	1203.75	440.00	1.50	0.00	0.00	0.00	4.66	8.28	0.46	-9E+99	3.76	6.64	3.18	2.12
Antelope Creek	PP741	D2-258	D2-257	1203.75	1202.83	230.00	1.50	0.00	0.00	0.00	4.65	8.28	0.46	-9E+99	3.76	6.64	2.24	1.49
Antelope Creek	PP742	D2-257	D2-256	1202.83	1201.77	264.00	1.50	0.00	0.00	0.00	4.54	8.28	0.46	-9E+99	3.77	6.66	1.75	1.16
Antelope Creek	PP743	D2-256	C2-580	1201.77	1201.81	20.00	1.50	0.00	-4.97	-7.54	5.22	8.28	0.46	-9E+99	2.66	4.70	1.24	0.83
Antelope Creek	PP508	D1-312	D1-163	1259.00	1258.80	171.00	1.50	0.00	0.00	0.00	3.81	6.96	0.46	-9E+99	2.03	3.59	9.52	6.35
Antelope Creek	PP509	D1-163	D1-25	1258.80	1258.60	221.71	1.50	0.00	0.00	0.00	3.82	6.96	0.45	-9E+99	1.79	3.15	9.04	6.03
Antelope Creek	PP510	D1-25	D1-42	1258.60	1258.10	189.10	1.50	0.00	0.00	0.00	3.71	6.74	0.46	-9E+99	3.06	5.40	8.37	5.58
Antelope Creek	PP511	D1-42	D1-24	1258.10	1257.60	224.60	1.50	0.00	0.00	0.00	3.71	6.74	0.46	-9E+99	2.80	4.96	8.15	5.44
Antelope Creek	PP512	D1-24	D1-23	1257.60	1256.70	359.20	1.50	0.00	0.00	0.00	3.72	6.74	0.46	-9E+99	2.98	5.26	7.80	5.20
Antelope Creek	PP513	D1-23	D1-30	1256.70	1256.00	261.95	1.50	0.00	0.00	0.00	3.73	6.74	0.46	-9E+99	3.07	5.43	7.33	4.89
Antelope Creek	PP514	D1-30	D1-31	1256.00	1255.80	135.00	1.50	0.00	0.00	0.00	3.73	6.74	0.46	-9E+99	2.29	4.04	7.04	4.69
Antelope Creek	PP515	D1-31	D1-22	1255.80	1255.70	50.17	1.50	0.00	0.00	0.00	3.74	6.74	0.46	-9E+99	2.65	4.69	6.72	4.48
Antelope Creek	PP516	D1-22	D1-21	1255.70	1254.80	353.90	1.50	0.00	0.00	0.00	3.74	6.74	0.46	-9E+99	3.00	5.30	6.63	4.42
Antelope Creek	PP517	D1-21	D1-4	1254.80	1254.40	498.00	1.50	0.00	0.00	0.00	3.75	6.74	0.45	-9E+99	1.68	2.98	6.18	4.12
Antelope Creek	PP518	D1-4	D2-16	1254.40	1252.18	463.00	1.50	0.00	0.00	0.00	4.41	6.74	0.45	-9E+99	4.12	7.27	5.14	3.43
Antelope Creek	PP519	D2-16	D2-17	1252.18	1250.71	495.00	1.50	0.00	0.00	0.00	3.77	6.75	0.46	-9E+99	3.24	5.72	5.14	3.43
Antelope Creek	PP520	D2-17	D2-18	1250.71	1249.71	330.00	1.50	0.00	0.00	0.00	3.77	6.75	0.46	-9E+99	3.27	5.78	4.73	3.15

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Antelope Creek	PP521	D2-18	D2-282	1249.71	1249.13	195.00	1.50	0.00	0.00	0.00	3.78	6.75	0.46	-9E+99	3.24	5.73	4.47	2.98
Antelope Creek	PP522	D2-282	D2-19	1249.13	1248.06	355.00	1.50	0.00	0.00	0.00	3.78	6.75	0.45	-9E+99	3.26	5.77	4.31	2.87
Antelope Creek	PP523	D2-19	D2-130	1248.06	1247.43	200.00	1.50	0.00	-0.11	-0.03	3.79	6.75	0.45	-9E+99	3.34	5.90	4.03	2.69
Antelope Creek	PP524	D2-130	D2-20	1247.43	1247.24	67.00	1.50	0.00	0.00	0.00	5.44	9.71	0.46	-9E+99	3.17	5.59	3.90	2.60
Antelope Creek	PP525	D2-20	D2-21	1247.24	1246.45	265.00	1.50	0.00	0.00	0.00	5.45	9.71	0.45	-9E+99	3.25	5.74	3.53	2.36
Antelope Creek	PP526	D2-21	D2-22	1246.45	1242.60	456.00	1.50	0.01	0.00	0.00	5.74	9.76	0.44	-9E+99	5.46	9.65	2.09	1.40
Antelope Creek	PP527	D2-22	D2-23	1242.60	1231.66	252.00	1.50	0.04	0.00	0.00	10.88	9.76	0.40	-9E+99	12.39	21.89	6.38	4.25
Antelope Creek	PP528	D2-23	D2-24	1231.66	1224.37	243.00	1.50	0.03	0.00	0.00	8.43	9.76	0.45	-9E+99	10.30	18.19	11.75	7.84
Antelope Creek	PP529	D2-24	D2-25	1224.37	1222.30	690.00	1.50	0.00	0.00	0.00	4.58	8.44	0.45	-9E+99	3.26	5.75	11.75	7.84
Antelope Creek	PP530	D2-25	D2-26	1222.30	1220.16	267.00	1.50	0.01	0.00	0.00	6.05	11.07	0.46	-9E+99	5.32	9.40	10.03	6.69
Antelope Creek	PP531	D2-26	D2-255	1220.16	1217.56	325.00	1.50	0.01	0.00	0.00	6.06	11.07	0.45	-9E+99	5.32	9.40	9.41	6.27
Antelope Creek	PP532	D2-255	D2-56	1217.56	1216.20	175.00	1.50	0.01	0.00	0.00	6.08	11.07	0.45	-9E+99	5.24	9.26	8.62	5.75
Antelope Creek	PP533	D2-56	D2-48	1216.20	1216.20	120.00	1.50	0.00	0.00	0.00	6.10	11.07	0.45	-9E+99	0.19	0.33	8.14	5.43
Antelope Creek	PP534	D2-48	C2-X50	1215.20	1214.16	143.00	1.50	0.01	0.00	0.00	6.10	11.07	0.45	-9E+99	5.07	8.96	7.87	5.25
Antelope Creek	PP535	C2-X50	C2-587	1214.16	1212.76	151.00	1.50	0.01	0.00	0.00	6.11	11.07	0.45	-9E+99	5.72	10.11	7.40	4.94
Antelope Creek	PP536	C2-587	C2-586	1212.76	1212.13	254.00	1.50	0.00	0.00	0.00	6.12	11.07	0.45	-9E+99	2.96	5.23	7.21	4.81
Antelope Creek	PP537	C2-586	C2-585	1212.13	1210.40	254.00	1.50	0.01	0.00	0.00	6.17	11.07	0.46	-9E+99	4.91	8.67	5.13	3.42
Antelope Creek	PP538	C2-585	C2-584	1210.40	1209.06	161.00	1.50	0.01	0.00	0.00	6.20	11.07	0.46	-9E+99	5.42	9.58	4.11	2.74
Antelope Creek	PP539	C2-584	C2-582	1209.06	1204.70	276.00	1.50	0.02	0.00	0.00	7.55	11.07	0.45	-9E+99	7.47	13.20	5.06	3.37
Antelope Creek	PP540	C2-582	C2-581	1204.70	1203.16	123.00	1.50	0.01	0.00	0.00	6.17	11.07	0.45	-9E+99	6.65	11.75	5.27	3.52
Antelope Creek	PP541	C2-581	C2-580	1203.16	1201.81	500.00	1.50	0.00	0.00	0.00	6.23	11.07	0.45	-9E+99	3.09	5.46	5.27	3.52
Antelope Creek	PP744	C2-580	C3-578	1201.80	1198.10	45.00	1.50	0.08	0.00	0.00	16.00	19.35	0.42	-9E+99	17.04	30.12	1.84	1.22
Antelope Creek	PP611	D3-543	C3-578	1203.64	1198.14	500.00	2.50	0.01	0.00	0.00	4.45	5.19	0.39	-9E+99	8.76	43.02	1.80	0.72
Antelope Creek	PP612	C3-578	C3-444	1198.14	1195.50	644.30	3.00	0.00	0.00	0.00	6.45	28.42	0.83	-9E+99	6.04	42.69	1.80	0.60
Antelope Creek	PP613	C3-444	C3-450	1195.50	1193.69	424.62	3.00	0.00	0.00	0.00	6.54	28.42	0.83	-9E+99	6.16	43.55	1.79	0.60
Antelope Creek	PP614	C3-450	C3-461	1193.69	1192.02	408.67	3.00	0.00	0.00	0.00	6.46	28.42	0.83	-9E+99	6.03	42.64	1.79	0.60
Antelope Creek	PP615	C3-461	C3-462	1192.02	1190.79	299.23	3.00	0.00	0.00	0.00	6.49	28.41	0.83	-9E+99	6.05	42.76	1.79	0.60
Antelope Creek	PP616	C3-462	C3-477	1190.79	1190.29	122.78	3.00	0.00	0.00	0.00	7.60	28.41	0.77	-9E+99	6.02	42.56	1.62	0.54
Antelope Creek	PP617	C3-477	C3-488	1190.29	1188.35	71.50	3.00	0.03	0.00	0.00	10.84	28.41	0.63	-9E+99	15.54	109.87	1.87	0.62
Antelope Creek	PP618	C3-488	C3-67	1188.35	1187.36	267.02	3.00	0.00	0.00	0.00	6.11	28.41	0.85	-9E+99	5.75	40.61	1.93	0.64
Antelope Creek	PP619	C3-67	C3-635	1187.36	1186.28	334.00	3.00	0.00	0.00	0.00	5.99	28.41	0.86	-9E+99	5.37	37.93	1.93	0.64
Antelope Creek	PP620	C3-635	C3-554	1186.28	1185.52	85.44	3.00	0.01	0.00	0.00	6.89	28.41	0.80	-9E+99	8.90	62.91	2.11	0.70
Antelope Creek	PP621	C3-554	C3-555	1185.52	1183.96	602.20	3.00	0.00	0.00	0.00	5.46	28.41	0.88	-9E+99	4.80	33.95	2.11	0.70
Antelope Creek	PP622	C3-555	C3-556	1183.96	1181.46	491.95	3.00	0.01	0.00	0.00	6.78	28.41	0.81	-9E+99	6.73	47.55	1.99	0.66
Antelope Creek	PP623	C3-556	C3-557	1181.46	1180.39	363.55	3.00	0.00	0.00	0.00	5.81	28.41	0.86	-9E+99	5.12	36.18	1.99	0.66
Antelope Creek	PP624	C3-178	C3-612	1189.00	1183.06	440.08	1.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	6.91	12.20	-0.06	0.00
Antelope Creek	PP625	C3-612	C3-557	1183.06	1180.39	225.62	1.50	0.01	0.00	0.00	0.00	0.00	0.05	-9E+99	6.47	11.43	1.58	0.00
Antelope Creek	PP626	C3-557	C3-558	1180.39	1179.09	265.67	3.50	0.00	0.00	0.00	6.63	28.41	0.82	-9E+99	7.32	70.38	1.78	0.51
Antelope Creek	PP627	C3-558	C3-559	1179.09	1177.88	403.48	3.50	0.00	0.00	0.00	5.76	28.41	0.88	-9E+99	5.73	55.10	1.79	0.51
Antelope Creek	PP628	C3-559	C3-560	1177.88	1176.70	393.30	3.50	0.00	0.00	0.00	5.75	28.41	0.89	-9E+99	5.73	55.11	1.80	0.52
Antelope Creek	PP629	C3-560	C3-561	1176.70	1175.31	464.40	3.50	0.00	0.00	0.00	5.63	28.41	0.89	-9E+99	5.72	55.04	1.93	0.55
Antelope Creek	PP630	C3-561	C3-562	1175.31	1173.86	434.00	3.50	0.00	0.00	0.00	6.09	33.44	0.93	-9E+99	6.04	58.15	2.07	0.59
Antelope Creek	PP631	C3-562	C3-563	1173.86	1172.62	434.00	3.50	0.00	0.00	0.00	5.56	33.44	0.97	-9E+99	5.59	53.78	2.32	0.66
Antelope Creek	PP632	C3-563	C3-564	1172.62	1171.96	434.00	3.50	0.00	0.00	0.00	5.02	33.44	1.01	-9E+99	4.08	39.23	2.32	0.66

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Antelope Creek	PP633	C3-564	C3-565	1171.96	1171.30	213.00	3.50	0.00	0.00	0.00	5.97	33.44	0.94	-9E+99	5.82	56.00	2.02	0.58
Antelope Creek	PP634	C3-565	C3-536	1171.30	1169.88	482.00	3.50	0.00	0.00	0.00	5.77	33.44	0.95	-9E+99	5.68	54.61	2.19	0.63
Antelope Creek	PP635	C3-536	C3-567	1169.88	1168.95	418.00	3.50	0.00	0.00	0.00	5.28	33.44	0.99	-9E+99	4.93	47.46	2.23	0.64
Antelope Creek	PP636	C3-567	C3-568	1168.95	1167.80	570.00	3.50	0.00	0.00	0.00	5.22	33.44	1.00	-9E+99	4.70	45.19	2.23	0.64
Antelope Creek	PP637	C3-568	C3-569	1167.80	1166.69	451.00	3.50	0.00	0.00	0.00	5.58	33.44	0.97	-9E+99	5.19	49.91	2.09	0.60
Antelope Creek	PP638	C3-569	C3-570	1166.69	1165.53	391.00	3.50	0.00	0.00	0.00	5.61	33.44	0.97	-9E+99	5.70	54.80	2.31	0.66
Antelope Creek	PP639	C3-570	C3-571	1165.53	1164.24	548.00	3.50	0.00	0.00	0.00	4.88	33.44	1.02	-9E+99	5.07	48.81	2.72	0.78
Antelope Creek	PP640	C3-624	C3-380	1170.19	1168.81	385.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.56	6.29	-0.01	0.00
Antelope Creek	PP641	C3-380	C3-378	1168.81	1168.29	145.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.56	6.29	-0.09	0.00
Antelope Creek	PP642	C3-378	C3-571	1168.29	1164.24	32.00	1.75	0.13	0.00	0.00	0.00	0.00	0.06	-9E+99	23.44	56.37	2.72	0.00
Antelope Creek	PP643	C3-571	C3-572	1164.24	1164.24	367.00	3.50	0.00	0.00	0.00	4.29	33.44	1.05	-9E+99	0.33	3.18	2.72	0.78
Antelope Creek	PP644	C3-572	C3-573	1164.24	1163.32	361.00	3.50	0.00	0.00	0.00	5.80	33.44	0.95	-9E+99	5.28	50.79	2.05	0.59
Antelope Creek	PP645	C3-573	C4-516	1163.32	1161.03	322.00	3.50	0.01	0.00	0.00	8.13	33.44	0.81	-9E+99	8.82	84.85	1.66	0.47
Antelope Creek	PP646	C4-516	C4-511	1161.03	1159.10	320.00	3.50	0.01	0.00	0.00	7.25	33.44	0.85	-9E+99	8.12	78.13	2.04	0.58
Antelope Creek	PP647	C4-511	C4-512	1159.10	1158.05	350.00	3.50	0.00	0.00	0.00	5.68	33.44	0.96	-9E+99	5.73	55.11	2.25	0.64
Antelope Creek	PP648	C4-512	C4-513	1158.05	1157.00	350.00	3.50	0.00	0.00	0.00	6.26	40.92	1.00	-9E+99	5.73	55.11	2.26	0.64
Antelope Creek	PP649	C4-513	C4-514	1157.00	1155.74	420.00	3.50	0.00	0.00	0.00	6.24	40.92	1.00	-9E+99	5.73	55.11	2.28	0.65
Antelope Creek	PP650	C4-514	C4-570	1155.74	1154.49	437.13	3.50	0.00	0.00	0.00	6.18	40.92	1.01	-9E+99	5.59	53.80	2.28	0.65
Antelope Creek	PP651	C4-570	C4-569	1154.49	1153.51	304.69	3.50	0.00	0.00	0.00	6.29	40.92	1.00	-9E+99	5.93	57.06	2.32	0.66
Antelope Creek	PP652	C4-569	B4-572	1153.51	1152.94	216.00	3.50	0.00	0.00	0.00	6.05	40.92	1.02	-9E+99	5.37	51.68	2.32	0.66
Antelope Creek	PP653	B4-572	B4-571	1152.94	1152.25	229.00	3.50	0.00	0.00	0.00	6.16	40.92	1.01	-9E+99	5.74	55.23	2.33	0.67
Antelope Creek	PP654	B4-571	B4-570	1152.25	1151.39	322.00	3.50	0.00	0.00	0.00	6.04	40.92	1.02	-9E+99	5.40	51.99	2.33	0.67
Antelope Creek	PP655	B4-570	B4-569	1151.39	1150.02	423.00	3.50	0.00	0.00	0.00	6.07	40.92	1.01	-9E+99	5.95	57.26	2.57	0.74
Antelope Creek	PP656	B4-569	B4-568	1150.02	1149.47	382.00	3.50	0.00	0.00	0.00	5.54	40.92	1.04	-9E+99	3.97	38.18	2.57	0.74
Antelope Creek	PP657	B4-568	B4-567	1149.47	1146.03	290.00	3.50	0.01	0.00	0.00	9.23	40.92	0.83	-9E+99	11.39	109.58	2.55	0.73
Antelope Creek	PP658	B4-567	B4-566	1146.03	1145.29	493.00	4.00	0.00	0.00	0.00	4.84	40.92	1.14	-9E+99	4.43	55.65	2.55	0.64
Antelope Creek	PP659	B4-ADD	B4-302	1153.25	1151.16	436.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.56	10.97	-0.06	0.00
Antelope Creek	PP660	B4-302	B4-584	1151.16	1150.74	254.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.68	6.44	-0.04	0.00
Antelope Creek	PP661	B4-584	B4-587	1150.74	1150.74	76.75	1.75	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.21	0.50	-0.04	0.00
Antelope Creek	PP662	B4-587	B4-586	1150.74	1150.08	95.48	1.75	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.48	13.17	-0.08	0.00
Antelope Creek	PP663	B4-586	B4-359	1150.08	1150.09	17.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.60	3.84	-0.08	0.00
Antelope Creek	PP664	B4-359	B4-566	1150.09	1145.29	96.00	0.67	0.05	0.00	0.00	0.00	0.00	0.02	-9E+99	7.77	2.74	2.55	0.00
Antelope Creek	PP665	B4-566	B4-565	1145.29	1145.08	142.00	4.00	0.00	0.00	0.00	4.84	40.92	1.14	-9E+99	4.40	55.24	2.55	0.64
Antelope Creek	PP666	B4-565	B4-576	1145.08	1144.64	292.94	4.00	0.00	0.00	0.00	4.85	40.92	1.14	-9E+99	4.43	55.67	2.55	0.64
Antelope Creek	PP667	B4-576	B4-547	1144.64	1144.03	405.99	4.00	0.00	0.00	0.00	4.86	40.92	1.14	-9E+99	4.43	55.68	2.54	0.64
Antelope Creek	PP668	B4-547	B4-544	1144.03	1143.31	485.73	4.00	0.00	0.00	0.00	4.88	40.92	1.14	-9E+99	4.40	55.30	2.54	0.63
Antelope Creek	PP669	B4-544	B4-527	1143.31	1143.06	191.00	4.00	0.00	0.00	0.00	5.00	40.92	1.13	-9E+99	4.14	51.97	2.49	0.62
Antelope Creek	PP670	B4-527	B4-487	1143.06	1142.77	191.00	4.00	0.00	0.00	0.00	5.24	40.92	1.11	-9E+99	4.45	55.97	2.39	0.60
Antelope Creek	PP671	B4-487	B4-486	1142.77	1142.51	166.00	4.00	0.00	-0.70	-0.47	5.53	40.92	1.08	-9E+99	4.52	56.85	2.30	0.57
Antelope Creek	PP672	B4-486	B4-687	1142.51	1142.60	26.00	3.50	0.00	-3.91	-21.32	4.05	24.79	0.98	-9E+99	6.15	59.19	2.10	0.60
Antelope Creek	PP673	B4-486	B4-12	1142.51	1142.38	60.32	3.00	0.00	0.00	0.00	3.63	19.63	0.89	-9E+99	4.38	30.96	2.21	0.74
Antelope Creek	PP674	B4-687	B4-686	1142.60	1142.51	59.00	3.50	0.00	0.00	0.00	4.33	24.79	0.95	-9E+99	4.08	39.29	2.01	0.58
Antelope Creek	PP675	B4-686	B4-685	1142.51	1141.92	363.00	3.50	0.00	0.00	0.00	4.32	24.79	0.95	-9E+99	4.22	40.56	2.06	0.59
Antelope Creek	PP676	B4-685	B4-684	1141.92	1141.34	361.00	3.50	0.00	0.00	0.00	4.25	24.79	0.96	-9E+99	4.19	40.33	2.15	0.62

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Antelope Creek	PP677	B4-684	B5-528	1141.34	1141.15	125.00	3.50	0.00	0.00	0.00	4.16	24.79	0.98	-9E+99	4.08	39.22	2.20	0.63
Antelope Creek	PP678	B5-528	B5-527	1141.15	1140.72	269.00	3.50	0.00	0.00	0.00	4.12	24.79	0.99	-9E+99	4.18	40.23	2.34	0.67
Antelope Creek	PP679	B5-527	B5-526	1140.72	1140.63	55.00	3.50	0.00	0.00	0.00	3.98	24.79	1.02	-9E+99	4.23	40.70	2.39	0.68
Antelope Creek	PP680	B5-526	B5-524	1140.63	1140.43	127.00	3.50	0.00	0.00	0.00	3.91	24.79	1.03	-9E+99	4.15	39.93	2.48	0.71
Antelope Creek	PP681	B5-524	B5-522	1140.43	1139.78	400.00	3.50	0.00	0.00	0.00	3.75	24.79	1.04	-9E+99	4.22	40.56	2.85	0.82
Antelope Creek	PP739	B5-522	B5-520	1139.78	1139.04	400.00	3.50	0.00	0.00	0.00	5.41	40.45	1.06	-9E+99	4.50	43.27	2.96	0.85
Antelope Creek	L797	B5-520	B5-139	1139.04	1138.84	175.00	4.00	0.00	0.00	0.00	6.82	44.42	1.20	-9E+99	3.86	48.56	2.96	0.74
Antelope Creek	PP682	B4-12	B4-688	1142.38	1142.29	81.29	3.00	0.00	0.00	0.00	3.52	19.63	0.90	-9E+99	3.14	22.19	2.21	0.74
Antelope Creek	PP683	B4-688	B4-6	1142.29	1141.94	338.86	3.00	0.00	0.00	0.00	3.52	19.63	0.90	-9E+99	3.03	21.44	2.21	0.74
Antelope Creek	PP684	B4-6	B4-7	1141.94	1141.91	30.00	3.00	0.00	0.00	0.00	3.56	19.63	0.90	-9E+99	2.98	21.09	2.19	0.73
Antelope Creek	PP685	B4-7	B5-531	1141.91	1141.66	348.00	3.00	0.00	0.00	0.00	3.61	19.63	0.89	-9E+99	2.53	17.88	2.18	0.73
Antelope Creek	PP686	B4-650	B4-536	1148.12	1147.88	153.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.35	4.16	-0.08	0.00
Antelope Creek	PP687	B4-536	B4-5	1147.88	1147.21	221.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.27	5.78	-0.01	0.00
Antelope Creek	PP688	B4-5	B5-533	1147.21	1146.07	211.51	1.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	4.36	7.71	-0.07	0.00
Antelope Creek	PP689	B5-533	B5-532	1146.07	1146.22	21.00	1.50	-0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.02	8.88	-0.07	0.00
Antelope Creek	PP690	B5-532	B5-531	1146.22	1141.66	86.39	1.50	0.05	0.00	0.00	0.00	0.00	0.05	-9E+99	13.66	24.13	1.97	0.00
Antelope Creek	PP691	B5-531	B5-88	1141.66	1140.96	573.92	3.00	0.00	0.00	0.00	4.12	19.63	0.85	-9E+99	3.30	23.29	1.97	0.66
Antelope Creek	PP692	B5-88	B5-522	1140.96	1139.78	8.83	3.00	0.13	0.00	0.00	8.74	15.66	0.65	-9E+99	34.49	243.82	2.85	0.95
Antelope Creek	L795	B5-88	B5-520	1140.96	1140.71	399.05	3.00	0.00	0.00	0.00	2.37	4.71	0.63	-9E+99	2.36	16.69	1.29	0.43
Antelope Creek	PP698	B5-517	B5-516	1136.47	1135.72	348.00	3.50	0.00	0.00	0.00	5.62	41.87	1.06	-9E+99	4.85	46.71	5.28	1.51
Antelope Creek	PP699	B5-516	B5-515	1135.72	1134.41	348.00	3.50	0.00	0.00	0.00	6.00	41.92	1.05	-9E+99	6.42	61.73	6.00	1.71
Antelope Creek	PP700	B5-515	B5-626	1134.41	1133.77	361.00	3.50	0.00	0.00	0.00	4.90	41.86	1.06	-9E+99	4.40	42.36	6.03	1.72
Antelope Creek	PP701	B5-626	B5-500	1133.77	1133.05	192.00	3.50	0.00	0.00	0.00	4.83	41.82	1.06	-9E+99	6.40	61.61	6.43	1.84
Antelope Creek	PP702	B5-500	B5-498	1133.05	1132.94	216.00	3.50	0.00	0.00	0.00	4.57	44.16	1.06	-9E+99	2.36	22.70	6.43	1.84
Antelope Creek	PP703	B5-498	B5-496	1132.94	1132.38	289.50	3.50	0.00	0.00	0.00	4.57	44.16	1.06	-9E+99	4.60	44.25	6.14	1.76
Antelope Creek	PP704	B5-496	B5-495	1132.38	1131.98	316.44	3.50	0.00	0.00	0.00	4.56	44.07	1.06	-9E+99	3.72	35.77	6.14	1.76
Antelope Creek	PP705	B5-495	B5-494	1131.98	1131.58	316.44	3.50	0.00	0.00	0.00	4.57	44.11	1.06	-9E+99	3.72	35.77	5.96	1.70
Antelope Creek	PP706	B5-494	B5-508	1131.58	1131.46	90.00	3.50	0.00	0.00	0.00	4.58	44.19	1.06	-9E+99	3.82	36.74	5.75	1.64
Antelope Creek	PP707	B5-508	B5-493	1131.46	1131.14	253.00	3.50	0.00	0.00	0.00	4.59	44.32	1.06	-9E+99	3.72	35.78	5.70	1.63
Antelope Creek	PP708	B5-493	B5-492	1131.15	1130.72	329.00	3.50	0.00	0.00	0.00	4.59	44.27	1.06	-9E+99	3.76	36.20	5.53	1.58
Antelope Creek	PP709	B5-492	B5-491	1130.72	1130.27	344.00	3.50	0.00	0.00	0.00	4.57	44.11	1.06	-9E+99	3.78	36.39	5.38	1.54
Antelope Creek	PP710	B5-491	B5-490	1130.27	1129.87	325.00	3.50	0.00	0.00	0.00	4.59	44.28	1.06	-9E+99	3.67	35.30	5.20	1.49
Antelope Creek	PP711	B5-490	B5-489	1129.87	1129.32	427.16	3.50	0.00	0.00	0.00	4.60	44.40	1.06	-9E+99	3.75	36.10	4.96	1.42
Antelope Creek	PP712	B5-489	B5-488	1129.32	1128.79	411.00	3.50	0.00	0.00	0.00	4.58	44.29	1.06	-9E+99	3.76	36.13	4.76	1.36
Antelope Creek	PP713	B5-488	B5-487	1128.79	1128.44	269.71	3.50	0.00	0.00	0.00	4.63	45.53	1.06	-9E+99	3.77	36.24	4.60	1.31
Antelope Creek	PP714	B5-487	B5-486	1128.44	1128.07	296.35	3.50	0.00	0.00	0.00	4.46	44.57	1.06	-9E+99	3.69	35.55	4.29	1.23
Antelope Creek	PP715	B5-486	B5-485	1128.07	1127.72	261.05	3.50	0.00	0.00	0.00	4.37	44.03	1.06	-9E+99	3.83	36.84	4.11	1.17
Antelope Creek	PP737	B5-637	B5-638	1130.19	1129.98	231.00	3.00	0.00	0.00	0.00	2.12	4.25	0.63	-9E+99	2.85	20.11	1.31	0.44
Antelope Creek	PP738	B5-638	B5-639	1129.98	1129.70	142.00	3.00	0.00	0.00	0.00	2.30	4.23	0.69	-9E+99	4.19	29.62	1.57	0.52
Antelope Creek	PP718	B5-139	B5-17	1141.32	1139.61	258.00	3.00	0.01	0.00	0.00	3.70	2.87	0.30	-9E+99	7.68	54.30	0.76	0.25
Antelope Creek	L799	B5-139	B5-139-2	1138.84	1137.70	70.00	4.00	0.02	0.00	0.00	11.37	42.49	1.18	-9E+99	14.59	183.31	4.16	1.04
Antelope Creek	PP719	B5-17	B5-148	1139.61	1139.45	174.00	3.00	0.00	0.00	0.00	2.05	2.87	0.44	-9E+99	2.86	20.23	0.76	0.25
Antelope Creek	PP720	B5-148	B5-620	1139.45	1139.30	137.00	3.00	0.00	0.00	0.00	2.07	2.87	0.44	-9E+99	3.12	22.07	0.77	0.26
Antelope Creek	PP721	B5-620	B5-621	1139.30	1139.13	192.00	3.00	0.00	0.00	0.00	2.00	2.87	0.45	-9E+99	2.81	19.85	0.77	0.26

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Antelope Creek	PP722	B5-621	B5-622	1139.13	1138.70	468.00	3.00	0.00	0.00	0.00	2.01	2.87	0.45	-9E+99	2.86	20.22	0.77	0.26
Antelope Creek	PP723	B5-622	B5-623	1138.70	1138.29	468.26	3.00	0.00	0.00	0.00	2.05	2.87	0.44	-9E+99	2.79	19.74	0.77	0.26
Antelope Creek	PP724	B5-623	B5-211	1138.29	1137.14	398.00	3.00	0.00	0.00	0.00	3.00	2.87	0.35	-9E+99	5.07	35.85	0.62	0.21
Antelope Creek	PP725	B5-211	B5-212	1137.14	1136.28	398.00	3.00	0.00	0.00	0.00	2.70	2.87	0.37	-9E+99	4.39	31.00	0.67	0.22
Antelope Creek	PP726	B5-212	B5-237	1136.28	1135.40	512.00	3.00	0.00	0.00	0.00	2.47	2.87	0.39	-9E+99	3.91	27.65	0.67	0.22
Antelope Creek	PP727	B5-237	B5-236	1135.40	1134.54	317.70	3.00	0.00	0.00	0.00	2.94	2.86	0.35	-9E+99	4.91	34.70	0.62	0.21
Antelope Creek	PP728	B5-236	B5-267	1134.54	1134.10	208.20	3.00	0.00	0.00	0.00	2.70	2.86	0.37	-9E+99	4.34	30.66	0.64	0.21
Antelope Creek	PP729	B5-267	B5-291	1134.10	1133.70	208.20	3.00	0.00	0.00	0.00	2.63	2.86	0.38	-9E+99	4.14	29.24	0.64	0.21
Antelope Creek	PP730	B5-291	B5-289	1133.70	1132.79	413.00	3.00	0.00	0.00	0.00	2.74	2.86	0.37	-9E+99	4.43	31.31	0.63	0.21
Antelope Creek	PP731	B5-289	B5-287	1132.79	1132.60	94.90	3.00	0.00	0.00	0.00	2.62	2.86	0.38	-9E+99	4.22	29.84	0.65	0.22
Antelope Creek	PP732	B5-287	B5-547	1132.60	1131.98	324.00	3.00	0.00	0.00	0.00	2.59	2.86	0.38	-9E+99	4.13	29.18	0.65	0.22
Antelope Creek	PP733	B5-547	B5-317	1131.98	1131.64	111.00	3.00	0.00	0.00	0.00	3.10	2.86	0.34	-9E+99	5.22	36.91	0.57	0.19
Antelope Creek	PP734	B5-317	B5-634	1131.64	1131.04	93.40	3.00	0.01	0.00	0.00	3.66	2.86	0.31	-9E+99	7.56	53.46	0.69	0.23
Antelope Creek	PP735	B5-634	B5-635	1131.04	1130.57	193.00	3.00	0.00	-0.02	0.00	2.20	2.86	0.43	-9E+99	4.66	32.91	1.02	0.34
Antelope Creek	PP736	B5-635	B5-637	1130.57	1130.19	409.00	3.00	0.00	0.00	0.00	2.14	4.27	0.57	-9E+99	2.88	20.33	1.16	0.39
Beals & Salt Valley	PP1	D0-168	D0-167	1247.85	1246.31	476.00	2.25	0.00	0.00	0.00	3.79	4.91	0.45	-9E+99	4.43	17.62	0.81	0.36
Beals & Salt Valley	PP2	D0-167	D0-166	1246.31	1244.84	451.00	2.25	0.00	0.00	0.00	3.81	4.91	0.45	-9E+99	4.45	17.68	0.81	0.36
Beals & Salt Valley	PP3	D0-166	D0-165	1244.84	1243.40	444.00	2.25	0.00	0.00	0.00	3.79	4.91	0.45	-9E+99	4.44	17.64	0.83	0.37
Beals & Salt Valley	PP4	D0-165	D0-164	1243.40	1242.10	400.00	2.25	0.00	0.00	0.00	3.72	4.91	0.45	-9E+99	4.44	17.66	0.83	0.37
Beals & Salt Valley	PP5	D0-164	D0-150	1242.10	1241.30	170.00	2.25	0.00	0.00	0.00	4.23	4.91	0.42	-9E+99	5.34	21.25	0.83	0.37
Beals & Salt Valley	PP6	D0-150	D0-149	1241.30	1239.47	610.00	2.25	0.00	0.00	0.00	3.39	4.91	0.47	-9E+99	4.27	16.96	1.36	0.60
Beals & Salt Valley	PP7	D0-149	D0-148	1239.47	1239.67	600.00	2.25	0.00	-1.69	-3.01	2.11	4.91	0.59	-9E+99	1.42	5.65	1.16	0.51
Beals & Salt Valley	PP8	D0-148	D0-60	1239.67	1231.14	440.00	2.25	0.02	0.00	0.00	6.92	4.91	0.31	-9E+99	10.85	43.12	0.66	0.29
Beals & Salt Valley	PP9	D0-60	D0-61	1231.14	1228.60	400.00	2.50	0.01	0.00	0.00	4.78	4.91	0.38	-9E+99	6.66	32.69	0.67	0.27
Beals & Salt Valley	PP10	D0-61	D0-62	1228.60	1226.31	383.00	2.50	0.01	0.00	0.00	4.39	4.91	0.40	-9E+99	6.46	31.72	0.96	0.39
Beals & Salt Valley	PP11	D0-62	C0-124	1226.31	1225.39	517.00	2.50	0.00	0.00	0.00	2.96	4.91	0.50	-9E+99	3.52	17.30	0.96	0.39
Beals & Salt Valley	PP12	C0-124	C0-123	1225.39	1222.25	331.00	2.50	0.01	0.00	0.00	5.39	4.91	0.35	-9E+99	8.14	39.95	0.69	0.28
Beals & Salt Valley	PP13	C0-123	C0-122	1222.25	1220.83	280.00	2.50	0.01	0.00	0.00	4.36	4.91	0.41	-9E+99	5.95	29.21	0.81	0.32
Beals & Salt Valley	PP14	C0-122	C0-121	1220.83	1219.16	500.00	2.50	0.00	0.00	0.00	3.81	4.92	0.48	-9E+99	4.83	23.70	1.86	0.74
Beals & Salt Valley	PP15	C0-121	C0-120	1219.16	1217.17	502.00	2.50	0.00	0.00	0.00	4.03	5.44	0.74	-9E+99	5.26	25.82	3.79	1.52
Beals & Salt Valley	PP16	C0-120	C0-119	1217.17	1216.04	285.00	2.50	0.00	0.00	0.00	3.99	6.01	0.75	-9E+99	5.26	25.83	4.88	1.95
Beals & Salt Valley	PP17	C0-119	C1-564	1216.04	1215.20	263.00	2.50	0.00	0.00	0.00	3.73	6.46	0.75	-9E+99	4.72	23.18	5.68	2.27
Beals & Salt Valley	PP18	C1-564	C1-2	1215.20	1214.97	58.20	2.50	0.00	-0.36	-1.33	3.00	2.09	0.76	-9E+99	5.25	25.79	5.91	2.36
Beals & Salt Valley	PP19	C1-564	C1-565	1215.20	1212.34	375.00	2.00	0.01	0.00	0.00	3.61	5.77	0.60	-9E+99	6.29	19.76	8.32	4.16
Beals & Salt Valley	PP20	C1-2	C1-3	1214.97	1213.46	280.00	1.50	0.01	-0.78	1.37	3.25	2.57	0.45	-9E+99	4.37	7.71	7.43	4.95
Beals & Salt Valley	PP22	C1-3	C1-565	1213.46	1212.34	83.00	1.75	0.01	0.00	0.00	5.94	11.70	0.52	-9E+99	7.65	18.41	8.32	4.75
Beals & Salt Valley	PP23	C1-12	C1-13	1211.57	1209.51	457.13	1.75	0.00	0.00	0.00	5.03	10.96	0.53	-9E+99	4.42	10.64	7.50	4.29
Beals & Salt Valley	PP24	C1-13	C1-14	1209.51	1207.47	453.00	1.75	0.00	0.00	0.00	4.96	10.70	0.53	-9E+99	4.42	10.63	7.59	4.34
Beals & Salt Valley	PP25	C1-14	C1-15	1207.47	1205.85	456.00	2.00	0.00	0.00	0.00	4.73	12.14	0.60	-9E+99	4.29	13.48	7.96	3.98
Beals & Salt Valley	PP26	C1-15	C1-16	1205.85	1204.52	444.00	2.00	0.00	0.00	0.00	4.42	12.13	0.61	-9E+99	3.94	12.38	8.06	4.03
Beals & Salt Valley	PP27	C1-16	C1-17	1204.52	1203.21	439.00	2.00	0.00	0.00	0.00	4.24	12.13	0.61	-9E+99	3.93	12.36	8.16	4.08
Beals & Salt Valley	PP28	C1-17	C1-19	1203.21	1202.22	330.00	2.00	0.00	0.00	0.00	4.43	13.39	0.61	-9E+99	3.94	12.39	8.16	4.08
Beals & Salt Valley	PP29	C1-19	C1-36	1202.22	1200.92	431.72	2.00	0.00	0.00	0.00	4.51	13.94	0.61	-9E+99	3.95	12.41	8.05	4.02
Beals & Salt Valley	PP30	C1-36	C1-37	1200.92	1199.57	449.00	2.00	0.00	0.00	0.00	4.50	13.93	0.61	-9E+99	3.95	12.40	7.78	3.89

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP31	C1-37	C1-38	1199.57	1198.22	451.00	2.00	0.00	0.00	0.00	4.50	13.93	0.61	-9E+99	3.94	12.38	7.49	3.75
Beals & Salt Valley	PP32	C1-38	C1-39	1198.22	1196.87	450.00	2.00	0.00	0.00	0.00	4.50	13.92	0.61	-9E+99	3.94	12.39	7.20	3.60
Beals & Salt Valley	PP33	C1-39	C1-40	1196.87	1195.51	452.00	2.00	0.00	0.00	0.00	4.48	13.92	0.61	-9E+99	3.95	12.41	6.90	3.45
Beals & Salt Valley	PP34	C1-40	C1-41	1195.51	1194.57	315.00	2.00	0.00	0.00	0.00	4.43	13.91	0.61	-9E+99	3.93	12.36	6.61	3.30
Beals & Salt Valley	PP35	C1-41	C1-42	1194.57	1194.16	158.00	2.00	0.00	0.00	0.00	4.38	13.92	0.61	-9E+99	3.67	11.52	6.39	3.20
Beals & Salt Valley	PP36	C1-42	C1-43	1194.16	1192.58	525.00	2.00	0.00	0.00	0.00	4.48	13.92	0.61	-9E+99	3.95	12.41	6.22	3.11
Beals & Salt Valley	PP37	C1-43	C1-44	1192.58	1191.11	488.99	2.00	0.00	0.00	0.00	4.39	13.93	0.61	-9E+99	3.95	12.40	5.87	2.94
Beals & Salt Valley	PP38	C1-44	C1-92	1191.11	1189.86	417.40	2.00	0.00	0.00	0.00	4.58	14.49	0.61	-9E+99	3.94	12.38	5.54	2.77
Beals & Salt Valley	PP39	C1-92	C1-99	1189.86	1188.38	494.61	2.00	0.00	0.00	0.00	4.59	14.49	0.61	-9E+99	3.94	12.37	5.18	2.59
Beals & Salt Valley	PP40	C1-99	C1-101	1188.38	1186.49	540.00	2.00	0.00	0.00	0.00	5.04	15.93	0.61	-9E+99	4.26	13.38	4.74	2.37
Beals & Salt Valley	PP41	C1-101	C1-186	1186.49	1185.42	358.00	2.00	0.00	0.00	0.00	5.18	16.29	0.61	-9E+99	3.94	12.37	4.09	2.05
Beals & Salt Valley	PP42	C1-186	C1-188	1185.42	1183.70	490.00	2.25	0.00	0.00	0.00	5.13	16.25	0.68	-9E+99	4.61	18.35	3.81	1.69
Beals & Salt Valley	PP43	C1-188	C1-190	1183.70	1182.31	413.00	2.25	0.00	0.00	0.00	5.25	16.98	0.68	-9E+99	4.52	17.97	4.00	1.78
Beals & Salt Valley	PP44	C1-190	C1-191	1182.31	1181.11	102.00	2.25	0.01	0.00	0.00	7.90	16.88	0.67	-9E+99	8.45	33.59	4.91	2.18
Beals & Salt Valley	PP45	C1-191	C1-193	1181.11	1179.64	189.00	2.25	0.01	0.00	0.00	6.50	16.93	0.67	-9E+99	6.87	27.31	5.83	2.59
Beals & Salt Valley	PP46	C1-193	C1-195	1179.64	1177.91	509.00	2.25	0.00	0.00	0.00	5.15	17.10	0.68	-9E+99	4.54	18.06	6.06	2.70
Beals & Salt Valley	PP47	C1-195	C1-197	1177.91	1176.21	500.00	2.25	0.00	0.00	0.00	5.18	17.12	0.68	-9E+99	4.54	18.06	6.29	2.80
Beals & Salt Valley	PP48	C1-197	C1-569	1176.21	1174.16	252.65	2.25	0.01	0.00	0.00	6.56	17.41	0.67	-9E+99	7.02	27.90	7.60	3.38
Beals & Salt Valley	PP49	D0-168-2	D0-167-2	1247.85	1246.31	476.00	2.00	0.00	0.00	0.00	3.73	4.51	0.44	-9E+99	4.10	12.87	0.82	0.41
Beals & Salt Valley	L804	D0-168-2	D0-168	1247.85	1247.85	20.00	2.00	0.00	1.76	-0.68	2.03	1.88	0.43	-9E+99	0.23	0.72	0.82	0.41
Beals & Salt Valley	PP50	D0-167-2	D0-166-2	1246.31	1244.84	451.00	2.00	0.00	0.00	0.00	3.74	4.51	0.43	-9E+99	4.11	12.92	0.82	0.41
Beals & Salt Valley	PP51	D0-166-2	D0-165-2	1244.84	1243.40	444.00	2.00	0.00	0.00	0.00	3.72	4.51	0.44	-9E+99	4.10	12.88	0.84	0.42
Beals & Salt Valley	PP52	D0-165-2	D0-164-2	1243.40	1242.10	400.00	2.00	0.00	0.00	0.00	3.66	4.51	0.44	-9E+99	4.11	12.90	0.84	0.42
Beals & Salt Valley	PP53	D0-164-2	D0-150-2	1242.10	1241.30	170.00	2.00	0.00	0.00	0.00	4.16	4.51	0.41	-9E+99	4.94	15.52	0.84	0.42
Beals & Salt Valley	PP54	D0-150-2	D0-149-2	1241.30	1239.47	610.00	2.00	0.00	0.00	0.00	3.31	4.51	0.46	-9E+99	3.94	12.39	1.39	0.69
Beals & Salt Valley	PP55	D0-149-2	D0-148-2	1239.47	1239.67	600.00	2.00	0.00	-1.72	-2.95	2.09	4.51	0.56	-9E+99	1.31	4.13	1.19	0.59
Beals & Salt Valley	PP56	D0-148-2	D0-60-2	1239.67	1231.14	440.00	2.00	0.02	0.00	0.00	6.78	4.51	0.31	-9E+99	10.03	31.50	0.68	0.34
Beals & Salt Valley	PP57	D0-60-2	D0-61-2	1231.14	1228.60	400.00	2.00	0.01	0.00	0.00	4.76	4.51	0.38	-9E+99	5.74	18.03	0.69	0.35
Beals & Salt Valley	PP58	D0-61-2	D0-62-2	1228.60	1226.31	383.00	2.00	0.01	0.00	0.00	4.37	4.51	0.40	-9E+99	5.57	17.49	1.02	0.51
Beals & Salt Valley	PP59	D0-62-2	C0-124-2	1226.31	1225.39	517.00	2.00	0.00	0.00	0.00	2.95	4.51	0.49	-9E+99	3.04	9.54	1.02	0.51
Beals & Salt Valley	PP60	C0-124-2	C0-123-2	1225.39	1222.25	331.00	2.50	0.01	0.00	0.00	5.26	4.51	0.34	-9E+99	8.14	39.95	0.66	0.27
Beals & Salt Valley	PP61	C0-123-2	C0-122-2	1222.25	1220.83	280.00	2.50	0.01	0.00	0.00	4.25	4.51	0.39	-9E+99	5.95	29.21	0.76	0.30
Beals & Salt Valley	PP62	C0-122-2	C0-121-2	1220.83	1219.16	500.00	2.50	0.00	0.00	0.00	3.72	4.52	0.46	-9E+99	4.83	23.70	1.72	0.69
Beals & Salt Valley	PP63	C0-121-2	C0-120-2	1219.16	1217.17	502.00	2.50	0.00	0.00	0.00	3.91	5.03	0.72	-9E+99	5.26	25.82	3.65	1.46
Beals & Salt Valley	PP64	C0-120-2	C0-119-2	1217.17	1216.23	285.00	2.50	0.00	0.00	0.00	3.69	5.60	0.75	-9E+99	4.80	23.56	4.56	1.82
Beals & Salt Valley	PP65	C0-119-2	C1-564-2	1216.23	1215.20	205.21	2.50	0.01	0.00	0.00	4.27	6.08	0.75	-9E+99	5.92	29.06	5.56	2.23
Beals & Salt Valley	PP66	C1-564-2	C1-565-2	1215.20	1212.34	329.97	2.00	0.01	0.00	0.00	4.25	6.30	0.60	-9E+99	6.70	21.06	8.30	4.15
Beals & Salt Valley	PP67	C1-565-2	C1-12-2	1212.34	1211.57	319.83	2.00	0.00	0.00	0.00	4.56	14.52	0.61	-9E+99	3.53	11.10	8.30	4.15
Beals & Salt Valley	L758	C1-565-2	C1-565	1212.34	1212.34	20.00	1.50	0.00	-1.00	-1.44	1.27	-4.18	0.46	-9E+99	0.19	0.33	8.32	5.55
Beals & Salt Valley	PP68	C1-12-2	C1-13-2	1211.57	1209.51	451.39	2.00	0.00	0.00	0.00	5.47	14.44	0.61	-9E+99	4.86	15.28	8.34	4.17
Beals & Salt Valley	PP69	C1-13-2	C1-14-2	1209.51	1207.47	465.23	2.00	0.00	0.00	0.00	5.24	14.28	0.61	-9E+99	4.77	14.98	8.71	4.35
Beals & Salt Valley	PP70	C1-14-2	C1-15-2	1207.47	1205.85	458.00	2.00	0.00	0.00	0.00	4.76	14.15	0.61	-9E+99	4.28	13.45	8.71	4.35
Beals & Salt Valley	PP71	C1-15-2	C1-16-2	1205.85	1204.52	445.70	2.00	0.00	0.00	0.00	4.51	13.99	0.61	-9E+99	3.93	12.36	8.68	4.34
Beals & Salt Valley	PP72	C1-16-2	C1-17-2	1204.52	1203.21	431.67	2.00	0.00	0.00	0.00	4.59	13.91	0.61	-9E+99	3.97	12.46	8.41	4.21

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP73	C1-17-2	C1-19-2	1203.21	1202.22	322.50	2.00	0.00	0.00	0.00	4.53	13.75	0.61	-9E+99	3.99	12.53	8.17	4.08
Beals & Salt Valley	L760	C1-17-2	C1-17	1203.21	1203.21	20.00	1.75	0.00	-0.21	-0.06	1.61	2.03	0.53	-9E+99	0.21	0.50	8.17	4.67
Beals & Salt Valley	PP74	C1-19-2	C1-36-2	1202.22	1200.92	438.25	2.00	0.00	0.00	0.00	4.50	13.74	0.61	-9E+99	3.92	12.32	8.02	4.01
Beals & Salt Valley	PP75	C1-36-2	C1-37-2	1200.92	1199.57	435.56	2.00	0.00	0.00	0.00	4.55	13.74	0.61	-9E+99	4.01	12.59	7.77	3.88
Beals & Salt Valley	PP76	C1-37-2	C1-38-2	1199.57	1198.22	451.79	2.00	0.00	0.00	0.00	4.49	13.73	0.61	-9E+99	3.94	12.37	7.57	3.79
Beals & Salt Valley	PP77	C1-38-2	C1-39-2	1198.22	1196.87	446.88	2.00	0.00	0.00	0.00	4.50	13.73	0.61	-9E+99	3.96	12.43	7.32	3.66
Beals & Salt Valley	PP78	C1-39-2	C1-40-2	1196.87	1195.51	459.78	2.00	0.00	0.00	0.00	4.47	13.73	0.61	-9E+99	3.92	12.30	7.08	3.54
Beals & Salt Valley	PP79	C1-40-2	C1-41-2	1195.51	1194.57	307.66	2.00	0.00	0.00	0.00	4.46	13.74	0.61	-9E+99	3.98	12.50	6.81	3.40
Beals & Salt Valley	PP80	C1-41-2	C1-42-2	1194.57	1194.16	137.00	2.00	0.00	0.00	0.00	4.35	13.75	0.61	-9E+99	3.94	12.38	6.65	3.33
Beals & Salt Valley	PP81	C1-42-2	C1-43-2	1194.16	1192.58	525.00	2.00	0.00	0.00	0.00	4.53	14.41	0.61	-9E+99	3.95	12.41	6.57	3.29
Beals & Salt Valley	PP82	C1-43-2	C1-44-2	1192.58	1191.11	488.99	2.00	0.00	0.00	0.00	4.64	14.72	0.61	-9E+99	3.95	12.40	6.08	3.04
Beals & Salt Valley	PP83	C1-44-2	C1-92-2	1191.11	1189.86	417.40	2.00	0.00	0.00	0.00	5.03	15.93	0.61	-9E+99	3.94	12.38	5.54	2.77
Beals & Salt Valley	L761	C1-44-2	C1-44	1191.11	1191.11	20.00	1.75	0.00	-0.08	-0.14	-0.08	-1.21	0.53	-9E+99	0.21	0.50	5.54	3.17
Beals & Salt Valley	PP84	C1-92-2	C1-99-2	1189.86	1188.38	494.61	2.00	0.00	0.00	0.00	5.04	15.92	0.61	-9E+99	3.94	12.37	4.81	2.40
Beals & Salt Valley	PP85	C1-99-2	C1-101-2	1188.38	1186.49	540.00	2.00	0.00	0.00	0.00	5.04	15.92	0.61	-9E+99	4.26	13.38	3.93	1.96
Beals & Salt Valley	PP86	C1-101-2	C1-186-2	1186.49	1185.42	358.00	2.00	0.00	0.00	0.00	5.05	15.88	0.61	-9E+99	3.94	12.37	3.23	1.61
Beals & Salt Valley	PP87	C1-186-2	C1-188-2	1185.42	1183.70	490.00	2.25	0.00	0.00	0.00	5.15	15.86	0.68	-9E+99	4.61	18.35	3.07	1.37
Beals & Salt Valley	PP88	C1-188-2	C1-190-2	1183.70	1182.31	413.00	2.25	0.00	0.00	0.00	5.11	16.00	0.68	-9E+99	4.52	17.97	3.40	1.51
Beals & Salt Valley	PP89	C1-190-2	C1-191-2	1182.31	1181.11	102.00	2.25	0.01	0.00	0.00	7.75	16.03	0.67	-9E+99	8.45	33.59	4.34	1.93
Beals & Salt Valley	PP90	C1-191-2	C1-193-2	1181.11	1179.64	189.00	2.25	0.01	0.00	0.00	6.39	16.03	0.67	-9E+99	6.87	27.31	5.33	2.37
Beals & Salt Valley	PP91	C1-193-2	C1-195-2	1179.64	1177.91	509.00	2.25	0.00	0.00	0.00	5.06	16.03	0.67	-9E+99	4.54	18.06	5.77	2.56
Beals & Salt Valley	PP92	C1-195-2	C1-197-2	1177.91	1176.21	500.00	2.25	0.00	0.00	0.00	5.07	16.04	0.68	-9E+99	4.54	18.06	6.20	2.76
Beals & Salt Valley	PP93	C1-197-2	C1-569-2	1176.21	1174.60	217.68	2.25	0.01	0.00	0.00	6.53	16.24	0.67	-9E+99	6.70	26.63	7.26	3.23
Beals & Salt Valley	PP94	C1-569-2	C1-569	1174.60	1174.16	38.98	2.25	0.01	0.00	0.00	5.62	16.28	0.68	-9E+99	8.28	32.90	7.60	3.38
Beals & Salt Valley	PP95	C1-569	B1-239	1174.16	1173.67	256.00	2.25	0.00	0.00	0.00	4.46	17.78	0.68	-9E+99	3.41	13.55	7.60	3.38
Beals & Salt Valley	PP96	C1-569	C1-570	1174.16	1173.83	113.19	2.25	0.00	0.00	0.00	4.99	16.00	0.68	-9E+99	4.21	16.72	7.66	3.40
Beals & Salt Valley	PP97	B1-239	B1-272	1173.67	1173.42	188.00	2.50	0.00	-0.36	-0.13	4.15	17.91	0.76	-9E+99	3.05	14.96	7.32	2.93
Beals & Salt Valley	PP98	C0-226	C0-227	1213.57	1210.07	312.30	1.75	0.01	0.00	0.00	6.10	5.43	0.37	-9E+99	6.97	16.77	0.78	0.45
Beals & Salt Valley	PP99	C0-227	C0-228	1210.07	1207.74	337.60	1.75	0.01	0.00	0.00	5.12	5.43	0.41	-9E+99	5.47	13.16	0.89	0.51
Beals & Salt Valley	PP100	C0-228	C0-229	1207.74	1206.23	327.30	1.75	0.00	0.00	0.00	4.32	5.43	0.45	-9E+99	4.47	10.76	1.10	0.63
Beals & Salt Valley	PP101	C0-229	C0-511	1206.23	1205.91	180.00	1.75	0.00	0.00	0.00	3.52	5.43	0.49	-9E+99	2.78	6.68	1.10	0.63
Beals & Salt Valley	PP102	C0-511	C0-230	1205.91	1204.29	242.00	1.75	0.01	0.00	0.00	5.04	5.43	0.41	-9E+99	5.39	12.96	0.89	0.51
Beals & Salt Valley	PP103	C0-230	C0-223	1204.29	1202.30	432.30	1.75	0.00	0.00	0.00	4.16	5.43	0.45	-9E+99	4.47	10.75	1.38	0.79
Beals & Salt Valley	PP104	C0-223	C0-222	1202.30	1201.96	274.00	1.75	0.00	0.00	0.00	2.67	5.43	0.53	-9E+99	2.32	5.58	1.38	0.79
Beals & Salt Valley	PP105	C0-222	C0-221	1201.96	1201.44	429.00	1.75	0.00	0.00	0.00	2.68	5.43	0.53	-9E+99	2.29	5.52	1.38	0.79
Beals & Salt Valley	PP106	C0-221	C0-220	1201.44	1201.00	357.00	1.75	0.00	0.00	0.00	2.77	5.43	0.53	-9E+99	2.31	5.56	1.34	0.76
Beals & Salt Valley	PP107	C0-220	C0-96	1201.00	1200.63	335.00	1.75	0.00	0.00	0.00	3.13	5.43	0.50	-9E+99	2.19	5.27	1.26	0.72
Beals & Salt Valley	PP108	C0-96	C0-97	1200.63	1193.93	375.00	1.75	0.02	0.00	0.00	6.86	5.43	0.35	-9E+99	8.81	21.18	0.92	0.53
Beals & Salt Valley	PP109	C0-97	C0-44	1193.93	1192.88	244.00	1.75	0.00	0.00	0.00	4.31	5.43	0.45	-9E+99	4.32	10.39	0.92	0.53
Beals & Salt Valley	PP110	C0-44	C0-43	1192.88	1191.97	102.00	1.75	0.01	0.00	0.00	4.61	5.43	0.43	-9E+99	6.22	14.97	1.37	0.78
Beals & Salt Valley	PP111	C0-43	C0-67	1191.97	1191.92	120.00	1.75	0.00	0.00	0.00	2.71	5.43	0.53	-9E+99	1.34	3.23	1.37	0.78
Beals & Salt Valley	PP112	C0-67	C1-539	1191.92	1192.10	188.00	2.00	0.00	-1.81	-2.11	2.80	5.43	0.55	-9E+99	2.23	7.00	1.06	0.53
Beals & Salt Valley	PP113	C1-539	C1-446	1192.10	1189.84	276.00	2.00	0.01	0.00	0.00	5.34	5.43	0.39	-9E+99	6.52	20.47	0.85	0.43
Beals & Salt Valley	PP114	C1-446	C1-445	1189.84	1188.00	460.00	2.00	0.00	0.00	0.00	4.24	5.43	0.45	-9E+99	4.55	14.31	0.86	0.43

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP115	C1-445	C1-461	1188.00	1186.20	451.00	2.00	0.00	0.00	0.00	4.24	5.43	0.45	-9E+99	4.55	14.29	0.86	0.43
Beals & Salt Valley	PP116	C1-461	C1-444	1186.20	1184.50	425.00	2.00	0.00	0.00	0.00	4.21	5.43	0.46	-9E+99	4.55	14.31	1.29	0.64
Beals & Salt Valley	PP117	C1-444	C1-482	1184.50	1184.14	110.00	2.00	0.00	0.00	0.00	4.05	5.47	0.58	-9E+99	4.12	12.94	1.58	0.79
Beals & Salt Valley	PP118	C1-482	C1-412	1184.14	1182.84	227.00	2.00	0.01	0.00	0.00	4.39	5.57	0.60	-9E+99	5.45	17.12	2.78	1.39
Beals & Salt Valley	PP119	C1-412	C1-402	1182.84	1182.50	335.00	2.00	0.00	0.00	0.00	2.72	5.61	0.61	-9E+99	2.29	7.21	2.93	1.47
Beals & Salt Valley	PP120	C1-402	C1-396	1182.50	1181.49	507.50	2.00	0.00	0.00	0.00	3.01	5.64	0.60	-9E+99	3.21	10.09	3.65	1.83
Beals & Salt Valley	PP121	C1-396	C1-391	1181.49	1181.03	573.32	2.00	0.00	0.00	0.00	2.45	5.71	0.61	-9E+99	2.04	6.41	3.79	1.90
Beals & Salt Valley	PP122	C1-391	C1-382	1181.03	1180.29	575.00	2.00	0.00	0.00	0.00	2.87	6.04	0.60	-9E+99	2.58	8.12	4.22	2.11
Beals & Salt Valley	PP123	C1-382	C1-561	1180.29	1178.07	300.00	2.00	0.01	0.00	0.00	4.26	6.57	0.60	-9E+99	6.19	19.46	6.27	3.14
Beals & Salt Valley	PP124	C1-561	C1-545	1178.07	1178.67	23.00	1.50	-0.03	-1.61	0.85	1.73	2.86	0.44	-9E+99	9.60	16.97	6.27	4.18
Beals & Salt Valley	PP125	C1-561	C1-562	1178.07	1176.11	623.00	1.50	0.00	0.00	0.00	4.07	7.07	0.46	-9E+99	3.33	5.89	6.27	4.18
Beals & Salt Valley	PP126	C1-545	C1-544	1178.67	1178.10	243.00	1.50	0.00	0.00	0.00	3.69	6.61	0.46	-9E+99	2.88	5.09	5.67	3.78
Beals & Salt Valley	PP127	C1-544	C1-543	1178.10	1177.80	159.00	1.50	0.00	0.00	0.00	3.90	6.56	0.46	-9E+99	2.58	4.56	5.37	3.58
Beals & Salt Valley	PP128	C1-543	C1-542	1177.80	1176.80	145.00	1.50	0.01	0.00	0.00	5.25	6.44	0.45	-9E+99	4.94	8.72	5.58	3.72
Beals & Salt Valley	PP129	C1-542	B1-79	1176.80	1176.11	108.96	1.50	0.01	0.00	0.00	5.10	6.41	0.45	-9E+99	4.73	8.36	5.88	3.92
Beals & Salt Valley	PP130	B1-79	B1-80	1176.11	1173.10	395.00	1.50	0.01	0.00	0.00	4.83	6.40	0.45	-9E+99	5.19	9.17	7.49	4.99
Beals & Salt Valley	PP131	B1-80	B1-292	1173.10	1173.00	28.00	2.50	0.00	0.00	0.00	7.06	30.92	0.76	-9E+99	4.99	24.51	7.49	3.00
Beals & Salt Valley	PP132	C1-570	B1-291	1173.73	1172.97	257.00	2.25	0.00	0.00	0.00	4.86	15.98	0.68	-9E+99	4.24	16.84	7.89	3.51
Beals & Salt Valley	PP133	B1-291	B1-292	1172.87	1172.36	178.00	2.25	0.00	0.00	0.00	4.70	16.21	0.68	-9E+99	4.17	16.58	8.07	3.59
Beals & Salt Valley	PP134	B1-292	B1-82	1172.26	1171.62	526.00	2.50	0.00	0.00	0.00	4.56	22.71	0.76	-9E+99	2.91	14.31	8.17	3.27
Beals & Salt Valley	PP135	B1-292	B1-293	1172.26	1172.08	53.00	2.50	0.00	0.00	0.00	5.95	25.37	0.76	-9E+99	4.87	23.90	8.18	3.27
Beals & Salt Valley	PP136	B1-82	B1-84	1171.62	1169.41	600.00	2.50	0.00	0.00	0.00	5.64	22.71	0.75	-9E+99	5.07	24.89	7.66	3.06
Beals & Salt Valley	PP137	B1-84	B1-86	1169.41	1167.11	600.00	2.50	0.00	0.00	0.00	5.60	22.71	0.75	-9E+99	5.17	25.40	8.17	3.27
Beals & Salt Valley	PP138	B1-86	B1-89	1167.11	1164.84	588.00	2.50	0.00	0.00	0.00	5.42	22.71	0.75	-9E+99	5.19	25.49	8.69	3.48
Beals & Salt Valley	PP140	B1-89	B1-91	1164.84	1162.83	500.00	2.50	0.00	0.00	0.00	5.62	24.08	0.75	-9E+99	5.30	26.01	9.03	3.61
Beals & Salt Valley	PP141	B1-91	B1-241	1162.83	1162.42	63.00	2.50	0.01	0.00	0.00	5.80	24.08	0.76	-9E+99	6.74	33.09	9.23	3.69
Beals & Salt Valley	PP142	B1-241	B1-93	1162.42	1161.71	226.00	2.50	0.00	0.00	0.00	5.02	24.08	0.75	-9E+99	4.68	22.99	9.23	3.69
Beals & Salt Valley	PP143	B1-93	B1-95	1161.71	1160.61	106.00	2.50	0.01	0.00	0.00	7.24	25.22	0.75	-9E+99	8.51	41.78	9.90	3.96
Beals & Salt Valley	L773	B1-93	B1-298	1161.71	1161.13	33.00	2.00	0.02	-0.90	-2.16	6.65	-8.14	0.60	-9E+99	9.55	29.99	9.77	4.88
Beals & Salt Valley	PP144	B1-95	B1-262	1160.61	1159.26	350.00	2.50	0.00	0.00	0.00	5.58	25.22	0.76	-9E+99	5.19	25.47	9.98	3.99
Beals & Salt Valley	PP145	B1-262	B2-17	1159.26	1157.65	575.90	2.50	0.00	0.00	0.00	5.12	25.22	0.76	-9E+99	4.42	21.69	9.98	3.99
Beals & Salt Valley	PP146	B2-17	B2-20	1157.65	1155.60	525.00	2.50	0.00	0.00	0.00	5.47	25.96	0.75	-9E+99	5.22	25.63	9.51	3.80
Beals & Salt Valley	PP147	B2-20	B2-298	1155.60	1155.26	150.00	2.50	0.00	0.00	0.00	5.22	26.10	0.76	-9E+99	3.98	19.53	9.51	3.80
Beals & Salt Valley	PP148	B2-298	B2-37	1155.26	1154.92	147.00	2.50	0.00	0.00	0.00	5.29	26.40	0.76	-9E+99	4.02	19.73	9.26	3.70
Beals & Salt Valley	PP149	B2-37	B2-35	1154.92	1154.36	228.48	2.50	0.00	0.00	0.00	5.35	26.68	0.76	-9E+99	4.14	20.31	9.01	3.60
Beals & Salt Valley	PP150	B2-35	B2-34	1154.36	1154.12	104.00	2.50	0.00	0.00	0.00	5.35	26.68	0.76	-9E+99	4.01	19.70	8.63	3.45
Beals & Salt Valley	PP151	B2-34	B2-33	1154.12	1153.26	327.00	2.50	0.00	0.00	0.00	5.35	26.68	0.76	-9E+99	4.29	21.03	8.45	3.38
Beals & Salt Valley	PP152	B2-33	B2-217	1153.26	1152.50	213.80	2.50	0.00	0.00	0.00	5.36	26.68	0.76	-9E+99	4.98	24.46	7.96	3.19
Beals & Salt Valley	PP153	B2-367	B2-217	1152.82	1152.50	400.00	2.00	0.00	0.01	0.03	0.10	0.31	0.61	-9E+99	2.04	6.40	7.84	3.92
Beals & Salt Valley	PP154	B2-217	B2-32	1152.50	1152.34	185.10	2.50	0.00	0.00	0.00	5.36	26.67	0.76	-9E+99	2.46	12.06	7.84	3.14
Beals & Salt Valley	PP155	B2-32	B2-31	1152.34	1151.42	401.00	2.50	0.00	0.00	0.00	5.37	26.67	0.76	-9E+99	4.00	19.65	7.24	2.90
Beals & Salt Valley	PP156	B2-31	B2-108	1151.42	1150.28	620.00	3.00	0.00	0.00	0.00	3.75	26.67	0.90	-9E+99	4.05	28.60	6.67	2.22
Beals & Salt Valley	PP157	B2-108	B2-361	1150.28	1149.91	270.00	3.00	0.00	0.00	0.00	3.74	26.67	0.91	-9E+99	3.49	24.69	6.67	2.22
Beals & Salt Valley	PP158	B2-361	B2-107	1149.91	1149.53	338.80	3.00	0.00	0.00	0.00	3.74	26.67	0.91	-9E+99	3.16	22.34	6.61	2.20

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP159	B2-107	B2-106	1149.53	1148.77	608.00	3.00	0.00	0.00	0.00	3.75	26.67	0.90	-9E+99	3.34	23.58	6.46	2.15
Beals & Salt Valley	PP160	B2-106	B2-105	1148.77	1150.06	514.50	3.00	0.00	-1.83	-12.54	3.75	26.67	0.88	-9E+99	4.72	33.40	5.46	1.82
Beals & Salt Valley	PP161	B2-105	B2-345	1150.06	1149.71	465.00	3.00	0.00	0.00	0.00	4.41	26.80	0.91	-9E+99	2.59	18.30	4.17	1.39
Beals & Salt Valley	PP162	B2-345	B2-104	1149.71	1147.26	239.40	3.00	0.01	0.00	0.00	6.86	27.64	0.90	-9E+99	9.55	67.47	5.98	1.99
Beals & Salt Valley	PP163	B2-104	B2-103	1147.26	1146.51	603.30	3.00	0.00	0.00	0.00	3.77	26.80	0.91	-9E+99	3.33	23.52	5.98	1.99
Beals & Salt Valley	PP164	B2-103	B2-350	1146.51	1146.13	259.50	3.00	0.00	-0.19	-0.11	3.80	26.98	0.91	-9E+99	3.61	25.52	5.67	1.89
Beals & Salt Valley	PP165	B2-350	B2-102	1146.13	1145.76	601.00	3.00	0.00	0.00	0.00	3.91	27.80	0.91	-9E+99	2.34	16.55	5.65	1.88
Beals & Salt Valley	PP166	B2-102	B2-101	1145.76	1144.96	628.00	3.00	0.00	0.00	0.00	3.92	27.79	0.91	-9E+99	3.37	23.81	4.94	1.65
Beals & Salt Valley	PP167	B2-101	B3-472	1144.96	1144.20	609.30	3.00	0.00	0.00	0.00	3.92	27.79	0.91	-9E+99	3.33	23.56	4.66	1.55
Beals & Salt Valley	PP168	B3-472	B3-473	1144.20	1143.69	350.00	3.00	0.00	0.00	0.00	4.16	29.46	0.91	-9E+99	3.60	25.46	4.37	1.46
Beals & Salt Valley	PP169	B3-473	B3-627	1143.69	1143.51	18.00	3.00	0.01	-0.21	-0.33	4.16	29.46	0.91	-9E+99	9.44	66.70	4.34	1.45
Beals & Salt Valley	PP170	B3-627	B3-476	1143.51	1143.50	392.00	3.00	0.00	0.00	0.00	4.14	29.46	0.91	-9E+99	0.48	3.37	4.34	1.45
Beals & Salt Valley	PP171	B3-476	B3-478	1143.50	1142.99	392.00	3.00	0.00	0.00	0.00	4.20	29.46	0.91	-9E+99	3.40	24.06	3.60	1.20
Beals & Salt Valley	PP172	B3-478	B3-480	1142.99	1142.25	405.00	3.00	0.00	0.00	0.00	4.35	29.45	0.91	-9E+99	4.03	28.51	3.43	1.14
Beals & Salt Valley	PP173	B3-480	B3-513	1142.25	1141.50	551.20	3.00	0.00	0.00	0.00	4.21	29.44	0.91	-9E+99	3.48	24.60	3.43	1.14
Beals & Salt Valley	PP174	B3-513	B3-486	1141.50	1140.06	667.00	3.00	0.00	0.00	0.00	4.52	29.43	0.91	-9E+99	4.38	30.99	3.43	1.14
Beals & Salt Valley	PP175	B3-486	B3-667	1140.06	1136.04	28.36	2.00	0.14	0.00	0.00	9.31	29.42	0.60	-9E+99	27.11	85.17	6.99	3.50
Beals & Salt Valley	PP176	B3-466	B3-465	1144.71	1144.17	443.00	1.50	0.00	0.00	0.00	2.26	3.94	0.46	-9E+99	2.08	3.67	2.99	1.99
Beals & Salt Valley	PP177	B3-466	B3-668	1144.71	1144.55	56.24	1.50	0.00	-2.21	-3.94	-2.21	-3.94	0.45	-9E+99	3.17	5.60	3.22	2.15
Beals & Salt Valley	PP178	B3-465	B3-464	1144.17	1143.71	430.00	1.50	0.00	0.00	0.00	2.22	3.94	0.46	-9E+99	1.94	3.44	2.94	1.96
Beals & Salt Valley	PP179	B3-464	B3-463	1143.71	1143.24	430.00	1.50	0.00	0.00	0.00	2.22	3.94	0.45	-9E+99	1.97	3.47	2.83	1.89
Beals & Salt Valley	PP180	B3-463	B3-462	1143.24	1142.76	430.00	1.50	0.00	0.00	0.00	2.22	3.94	0.45	-9E+99	1.99	3.51	2.73	1.82
Beals & Salt Valley	PP181	B3-462	B3-461	1142.76	1143.34	405.00	1.50	0.00	-2.23	-3.94	2.23	3.94	0.44	-9E+99	2.25	3.98	2.10	1.40
Beals & Salt Valley	PP182	B3-461	B3-641	1143.34	1142.57	315.00	1.50	0.00	0.00	0.00	3.15	3.95	0.45	-9E+99	2.94	5.19	1.88	1.25
Beals & Salt Valley	PP183	B3-641	B3-640	1142.57	1142.31	105.84	1.50	0.00	0.00	0.00	3.13	3.96	0.46	-9E+99	2.95	5.21	2.00	1.33
Beals & Salt Valley	PP184	B3-640	B4-690	1142.31	1141.98	128.00	1.50	0.00	0.00	0.00	3.11	3.96	0.45	-9E+99	3.02	5.33	2.16	1.44
Beals & Salt Valley	PP185	B4-690	B4-57	1141.98	1141.40	242.00	1.50	0.00	0.00	0.00	3.00	3.96	0.45	-9E+99	2.91	5.14	2.42	1.61
Beals & Salt Valley	PP186	B4-57	B4-636	1141.40	1140.82	230.00	1.50	0.00	0.00	0.00	2.79	3.96	0.45	-9E+99	2.99	5.27	2.69	1.80
Beals & Salt Valley	PP187	B4-636	B4-69	1140.82	1140.84	171.00	1.50	0.00	-2.23	-3.96	2.40	3.96	0.45	-9E+99	0.64	1.14	2.67	1.78
Beals & Salt Valley	PP188	B4-69	B4-594	1140.84	1140.15	199.00	1.50	0.00	0.00	0.00	3.51	3.96	0.45	-9E+99	3.50	6.19	2.87	1.92
Beals & Salt Valley	PP189	B4-594	B4-183	1140.15	1140.25	630.00	1.50	0.00	-2.34	-4.16	2.39	4.19	0.45	-9E+99	0.75	1.32	2.77	1.85
Beals & Salt Valley	PP190	B4-594	B4-736	1140.15	1130.69	54.50	1.50	0.17	-0.11	-0.19	3.61	3.74	0.45	-9E+99	24.77	43.76	12.33	8.22
Beals & Salt Valley	PP191	B4-183	B4-605	1140.25	1140.25	167.00	1.50	0.00	0.00	0.00	2.81	4.17	0.45	-9E+99	0.19	0.33	1.84	1.23
Beals & Salt Valley	PP192	B4-605	B4-738	1140.25	1129.96	45.00	1.50	0.23	0.00	0.00	5.56	4.22	0.45	-9E+99	28.42	50.23	11.84	7.89
Beals & Salt Valley	PP194	B1-8	B1-7	1158.49	1143.50	236.00	5.00	0.06	0.00	0.00	11.72	53.22	1.49	-9E+99	33.43	656.38	21.31	4.26
Beals & Salt Valley	PP195	B1-7	B1-6	1143.50	1142.67	569.00	5.00	0.00	0.00	0.00	5.42	100.16	1.52	-9E+99	5.07	99.47	21.32	4.26
Beals & Salt Valley	PP196	B1-6	B1-5	1142.57	1141.81	569.00	5.00	0.00	0.00	0.00	5.46	99.77	1.52	-9E+99	4.85	95.18	21.42	4.28
Beals & Salt Valley	PP197	B1-5	B1-4	1141.51	1141.11	215.00	5.00	0.00	0.00	0.00	5.75	99.94	1.52	-9E+99	5.72	112.34	21.81	4.36
Beals & Salt Valley	PP198	B1-4	B1-3	1140.81	1139.80	748.00	5.00	0.00	0.00	0.00	5.06	99.73	1.51	-9E+99	4.87	95.70	22.11	4.42
Beals & Salt Valley	PP199	B1-3	B1-2	1139.70	1138.69	754.00	5.00	0.00	0.00	0.00	5.05	99.70	1.51	-9E+99	4.85	95.32	22.22	4.44
Beals & Salt Valley	PP200	B1-2	B1-1	1138.59	1137.58	754.00	5.00	0.00	0.00	0.00	5.04	99.71	1.51	-9E+99	4.85	95.32	22.35	4.47
Beals & Salt Valley	L762	B1-1	B1-310	1137.48	1136.59	260.00	5.00	0.00	0.00	0.00	5.43	97.60	1.51	-9E+99	7.21	141.49	22.96	4.59
Beals & Salt Valley	PP202	B1-293	B1-294	1171.98	1168.88	845.00	2.50	0.00	0.00	0.00	5.78	25.27	0.76	-9E+99	5.06	24.84	8.64	3.46
Beals & Salt Valley	PP203	B1-294	B1-295	1168.78	1165.68	817.00	2.50	0.00	0.00	0.00	5.83	24.45	0.76	-9E+99	5.15	25.27	9.20	3.68

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP204	B1-295	B1-296	1165.68	1163.44	613.00	2.50	0.00	0.00	0.00	5.77	24.30	0.76	-9E+99	5.05	24.79	9.41	3.76
Beals & Salt Valley	PP205	B1-296	B1-298	1163.34	1160.13	590.00	2.50	0.01	0.00	0.00	5.69	24.02	0.75	-9E+99	6.16	30.25	10.77	4.31
Beals & Salt Valley	PP206	B1-298	B1-299	1160.03	1159.69	106.00	2.50	0.00	0.00	0.00	5.39	22.88	0.76	-9E+99	4.73	23.23	10.89	4.36
Beals & Salt Valley	PP207	B1-299	B1-300	1159.59	1158.13	285.00	2.50	0.01	0.00	0.00	5.95	22.88	0.75	-9E+99	5.98	29.36	11.60	4.64
Beals & Salt Valley	PP208	B1-300	B1-301	1158.03	1155.23	557.00	2.50	0.01	0.00	0.00	5.77	22.88	0.75	-9E+99	5.92	29.08	12.85	5.14
Beals & Salt Valley	PP209	B1-301	B1-302	1155.13	1152.24	574.00	2.50	0.01	0.00	0.00	5.67	22.88	0.75	-9E+99	5.93	29.10	14.15	5.66
Beals & Salt Valley	PP210	B1-302	B1-303	1152.14	1149.25	574.00	2.50	0.01	0.00	0.00	5.55	22.88	0.75	-9E+99	5.93	29.10	15.46	6.18
Beals & Salt Valley	PP211	B1-303	B1-305	1149.15	1148.68	162.00	2.50	0.00	0.00	0.00	4.66	22.88	0.75	-9E+99	4.50	22.09	15.56	6.22
Beals & Salt Valley	PP212	B1-305	B1-306	1148.58	1146.71	631.00	3.00	0.00	0.00	0.00	4.53	25.45	0.90	-9E+99	5.14	36.31	16.66	5.55
Beals & Salt Valley	PP213	B1-306	B1-307	1146.61	1143.12	1160.00	3.00	0.00	0.00	0.00	4.40	25.92	0.90	-9E+99	5.18	36.58	18.61	6.20
Beals & Salt Valley	PP214	B1-307	B1-308	1143.02	1142.61	141.00	3.00	0.00	0.00	0.00	4.54	25.92	0.91	-9E+99	5.09	35.97	18.92	6.31
Beals & Salt Valley	PP215	B1S-5	B1S-94	1180.83	1176.57	614.00	1.50	0.01	0.00	0.00	4.69	3.66	0.36	-9E+99	4.95	8.75	1.95	1.30
Beals & Salt Valley	PP216	B1S-94	B1S-56	1176.57	1172.90	603.00	1.50	0.01	0.00	0.00	4.33	3.63	0.45	-9E+99	4.64	8.19	4.91	3.28
Beals & Salt Valley	PP217	B1S-56	B1S-57	1172.90	1171.55	434.00	1.50	0.00	0.00	0.00	3.46	3.63	0.45	-9E+99	3.32	5.86	5.77	3.84
Beals & Salt Valley	PP218	B1S-57	B1S-58	1171.55	1170.69	275.00	1.50	0.00	0.00	0.00	3.45	3.63	0.45	-9E+99	3.32	5.87	6.31	4.21
Beals & Salt Valley	PP219	B1S-58	B1S-59	1170.69	1170.48	69.00	1.50	0.00	0.00	0.00	3.46	3.63	0.46	-9E+99	3.28	5.80	6.45	4.30
Beals & Salt Valley	PP220	B1S-6	B1S-59	1171.98	1170.48	411.00	1.50	0.00	0.03	0.04	0.03	-0.11	0.44	-9E+99	3.59	6.35	6.45	4.30
Beals & Salt Valley	PP221	B1S-59	B1S-9	1170.48	1170.13	96.00	1.50	0.00	0.00	0.00	3.53	3.69	0.45	-9E+99	3.59	6.34	6.69	4.46
Beals & Salt Valley	PP222	B1S-9	B1S-10	1170.13	1169.14	342.00	1.50	0.00	0.00	0.00	3.33	3.71	0.45	-9E+99	3.20	5.65	7.30	4.86
Beals & Salt Valley	PP223	B1S-10	B1S-11	1169.14	1167.95	361.00	1.50	0.00	0.00	0.00	3.38	3.76	0.45	-9E+99	3.41	6.03	8.09	5.39
Beals & Salt Valley	PP224	B1S-11	B1S-12	1167.95	1165.07	317.00	1.50	0.01	0.00	0.00	4.83	3.80	0.45	-9E+99	5.67	10.01	10.62	7.08
	PP225	B1S-96	B1S-95	1187.31	1185.54	100.00	1.50	0.02	0.00	0.00	7.61	6.72	0.45	-9E+99	7.91	13.98	4.12	2.75
	PP226	B1S-95	B2S-41	1185.54	1179.30	520.00	1.50	0.01	0.00	0.00	6.26	6.72	0.45	-9E+99	6.51	11.51	8.32	5.55
Beals & Salt Valley	PP227	B2S-41	B2S-42	1179.30	1177.98	425.00	1.50	0.00	0.00	0.00	3.77	6.72	0.46	-9E+99	3.31	5.85	8.32	5.55
Beals & Salt Valley	PP228	B2S-42	B2S-43	1177.98	1176.86	360.00	1.50	0.00	0.00	0.00	3.91	6.72	0.45	-9E+99	3.32	5.86	8.01	5.34
Beals & Salt Valley	PP229	B2S-43	B2S-44	1176.86	1174.68	360.00	1.50	0.01	0.00	0.00	4.86	6.71	0.45	-9E+99	4.63	8.17	8.55	5.70
Beals & Salt Valley	PP230	B2S-44	B2S-45	1174.68	1171.12	341.00	1.50	0.01	0.00	0.00	5.69	6.71	0.45	-9E+99	6.07	10.73	10.81	7.21
Beals & Salt Valley	PP231	B2S-45	B2S-37	1171.12	1171.12	341.00	1.50	0.00	0.00	0.00	3.66	6.71	0.43	-9E+99	0.19	0.33	10.81	7.21
Beals & Salt Valley	PP232	B2S-37	B2S-38	1171.12	1170.62	418.00	4.00	0.00	0.00	0.00	4.47	48.27	1.22	-9E+99	3.95	49.68	9.57	2.39
Beals & Salt Valley	PP233	B2S-38	B2S-39	1170.62	1170.14	400.00	4.00	0.00	0.00	0.00	4.47	48.26	1.22	-9E+99	3.96	49.76	9.61	2.40
Beals & Salt Valley	PP234	B2S-39	B2S-40	1170.14	1169.42	600.00	4.00	0.00	0.00	0.00	4.47	48.26	1.22	-9E+99	3.96	49.76	9.67	2.42
Beals & Salt Valley	PP235	B2S-40	B1S-72	1169.42	1168.70	600.00	4.00	0.00	0.00	0.00	4.46	48.26	1.22	-9E+99	3.96	49.76	9.73	2.43
Beals & Salt Valley	PP236	B1S-72	B1S-73	1168.70	1167.97	600.00	4.00	0.00	0.00	0.00	4.46	48.25	1.22	-9E+99	3.99	50.10	9.81	2.45
Beals & Salt Valley	PP237	B1S-73	B1S-74	1167.97	1167.30	548.00	4.00	0.00	0.00	0.00	4.43	48.25	1.22	-9E+99	4.00	50.23	9.89	2.47
Beals & Salt Valley	PP238	B1S-74	B1S-75	1167.30	1166.57	602.00	4.00	0.00	0.00	0.00	4.41	48.25	1.22	-9E+99	3.98	50.02	9.97	2.49
Beals & Salt Valley	PP239	B1S-75	B1S-76	1166.57	1165.89	561.00	4.00	0.00	0.00	0.00	4.41	47.66	1.22	-9E+99	3.98	50.01	10.05	2.51
Beals & Salt Valley	PP240	B1S-76	B1S-12	1165.89	1165.07	239.00	4.00	0.00	0.00	0.00	4.66	47.65	1.21	-9E+99	6.70	84.14	10.62	2.66
Beals & Salt Valley	PP241	B1S-12	B1S-13	1165.07	1164.76	424.00	4.00	0.00	0.00	0.00	4.04	51.28	1.22	-9E+99	3.09	38.84	10.62	2.66
Beals & Salt Valley	PP242	B1S-13	B1S-14	1164.76	1164.33	352.00	4.00	0.00	0.00	0.00	4.04	51.28	1.22	-9E+99	4.00	50.21	10.41	2.60
Beals & Salt Valley	PP243	B1S-14	B1S-15	1164.33	1164.06	509.00	4.00	0.00	0.00	0.00	4.03	51.17	1.22	-9E+99	2.63	33.08	10.41	2.60
Beals & Salt Valley	PP244	B1S-15	B1S-16	1164.06	1163.73	448.00	4.00	0.00	0.00	0.00	4.03	51.17	1.22	-9E+99	3.10	38.99	10.06	2.52
Beals & Salt Valley	PP245	B1S-16	B1S-17	1163.73	1163.18	483.00	4.00	0.00	0.00	0.00	4.00	50.72	1.22	-9E+99	3.86	48.47	9.85	2.46
Beals & Salt Valley	PP246	B1S-17	B1S-18	1163.18	1162.90	226.00	4.00	0.00	0.00	0.00	3.98	50.53	1.22	-9E+99	4.02	50.56	9.82	2.45
Beals & Salt Valley	PP247	B1S-18	B1S-19	1162.90	1162.68	392.00	4.00	0.00	0.00	0.00	3.98	50.53	1.22	-9E+99	2.71	34.03	9.82	2.45

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP248	B1S-19	B1S-20	1162.68	1162.57	437.00	4.00	0.00	0.00	0.00	3.99	50.54	1.22	-9E+99	1.81	22.79	9.56	2.39
Beals & Salt Valley	PP249	B1S-20	B1S-21	1162.57	1162.27	118.00	4.00	0.00	0.00	0.00	4.19	50.63	1.22	-9E+99	5.76	72.43	9.29	2.32
Beals & Salt Valley	PP250	B1S-21	B0-208	1162.27	1162.06	316.00	4.00	0.00	0.00	0.00	4.00	50.63	1.22	-9E+99	2.95	37.03	9.29	2.32
Beals & Salt Valley	PP251	B0-208	B0-209	1162.06	1161.19	483.00	4.00	0.00	0.00	0.00	4.00	50.63	1.21	-9E+99	4.85	60.96	9.40	2.35
Beals & Salt Valley	PP252	B0-209	B0-210	1161.19	1161.45	594.00	4.00	0.00	-3.61	-45.55	4.00	50.63	1.21	-9E+99	2.39	30.05	9.14	2.28
Beals & Salt Valley	PP253	B0-210	B0-211	1161.45	1161.20	521.00	4.00	0.00	0.00	0.00	4.00	50.63	1.22	-9E+99	2.50	31.47	8.41	2.10
Beals & Salt Valley	PP254	B0-211	B0-212	1161.20	1160.59	544.00	4.00	0.00	0.00	0.00	4.00	50.63	1.22	-9E+99	3.83	48.10	8.02	2.01
Beals & Salt Valley	PP255	B0-212	B0-213	1160.59	1160.11	605.00	4.00	0.00	0.00	0.00	4.00	50.63	1.22	-9E+99	3.22	40.46	7.97	1.99
Beals & Salt Valley	PP256	B0-213	B0-214	1160.11	1159.78	655.00	4.00	0.00	0.00	0.00	4.01	50.63	1.22	-9E+99	2.57	32.24	7.70	1.93
Beals & Salt Valley	PP257	B0-214	B0-215	1159.78	1159.55	152.00	4.00	0.00	-0.25	-0.09	4.05	50.63	1.22	-9E+99	4.45	55.88	7.27	1.82
Beals & Salt Valley	PP258	B0-215	B0-216	1159.55	1159.40	565.00	4.00	0.00	0.00	0.00	4.07	51.22	1.21	-9E+99	1.86	23.40	7.27	1.82
Beals & Salt Valley	PP259	B0-216	B0-217	1159.40	1158.96	413.00	4.00	0.00	0.00	0.00	4.69	51.22	1.22	-9E+99	3.73	46.89	6.71	1.68
Beals & Salt Valley	L745	B0-217	B1-8	1158.96	1158.49	583.00	4.00	0.00	0.00	0.00	5.58	51.29	1.22	-9E+99	3.25	40.78	6.63	1.66
Beals & Salt Valley	PP261	B0-218	B0-151	1158.49	1158.27	30.00	2.00	0.01	0.00	0.00	4.20	2.83	0.61	-9E+99	6.17	19.37	3.96	1.98
Beals & Salt Valley	PP262	B0-151	B1-168	1158.27	1158.08	428.00	2.00	0.00	0.00	0.00	1.79	2.83	0.61	-9E+99	1.52	4.77	4.08	2.04
Beals & Salt Valley	PP263	B1-168	B1-167	1158.08	1157.75	417.00	2.00	0.00	0.00	0.00	1.94	2.83	0.61	-9E+99	2.03	6.36	4.35	2.17
Beals & Salt Valley	PP264	B1-167	B1-166	1157.75	1157.42	413.00	2.00	0.00	0.00	0.00	1.94	2.83	0.61	-9E+99	2.04	6.39	4.62	2.31
Beals & Salt Valley	PP265	B1-166	B1-165	1157.42	1157.08	418.00	2.00	0.00	0.00	0.00	1.94	2.82	0.60	-9E+99	2.05	6.45	4.90	2.45
Beals & Salt Valley	PP266	B1-165	B1-164	1157.08	1156.75	418.00	2.00	0.00	0.00	0.00	1.92	2.82	0.60	-9E+99	2.02	6.36	5.16	2.58
Beals & Salt Valley	PP267	B1-164	B1-163	1156.75	1156.42	418.00	2.00	0.00	0.00	0.00	1.92	2.82	0.60	-9E+99	2.02	6.36	5.43	2.72
Beals & Salt Valley	PP268	B1-163	B1-162	1156.42	1156.09	415.00	2.00	0.00	0.00	0.00	1.92	2.82	0.60	-9E+99	2.03	6.38	5.70	2.85
Beals & Salt Valley	PP269	B1-162	B1-161	1156.09	1155.76	410.00	2.00	0.00	0.00	0.00	1.93	2.82	0.60	-9E+99	2.04	6.42	5.97	2.98
Beals & Salt Valley	PP270	B1-161	B1-160	1155.76	1155.42	418.00	2.00	0.00	0.00	0.00	1.93	2.81	0.60	-9E+99	2.05	6.45	6.25	3.12
Beals & Salt Valley	PP271	B1-160	B1-159	1155.42	1155.09	418.00	2.00	0.00	0.00	0.00	1.93	2.81	0.60	-9E+99	2.02	6.36	6.52	3.26
Beals & Salt Valley	PP272	B1-159	B1-158	1155.09	1154.75	419.00	2.00	0.00	0.00	0.00	2.09	2.81	0.60	-9E+99	2.05	6.44	6.79	3.40
Beals & Salt Valley	PP273	B1-158	B1-308	1154.75	1154.00	88.00	2.00	0.01	0.00	0.00	4.40	2.81	0.60	-9E+99	6.65	20.88	7.53	3.77
Beals & Salt Valley	PP274	B1-308	B1-309	1142.51	1140.43	575.00	3.00	0.00	0.00	0.00	4.77	28.72	0.90	-9E+99	5.68	40.12	20.14	6.71
Beals & Salt Valley	L747	B1-309	B1-310	1140.33	1138.19	725.73	3.00	0.00	0.00	0.00	4.29	28.72	0.90	-9E+99	5.12	36.22	21.36	7.12
Beals & Salt Valley	PP277	B1-310	B1-311	1136.55	1135.76	239.00	5.00	0.00	0.00	0.00	6.02	120.80	1.51	-9E+99	7.63	149.74	23.35	4.67
Beals & Salt Valley	PP278	B1-311	B1-289	1135.76	1135.46	233.75	5.00	0.00	0.00	0.00	6.01	120.80	1.52	-9E+99	4.75	93.30	23.35	4.67
Beals & Salt Valley	PP279	B1-289	B1-290	1135.46	1135.25	709.00	5.00	0.00	0.00	0.00	4.34	87.18	1.52	-9E+99	2.28	44.82	23.31	4.66
Beals & Salt Valley	PP280	B1-290	B2-397	1135.25	1135.01	738.00	5.00	0.00	0.00	0.00	4.34	87.06	1.52	-9E+99	2.39	46.97	22.76	4.55
Beals & Salt Valley	PP281	B2-397	B2-398	1135.01	1134.84	700.00	5.00	0.00	-0.62	-0.62	4.34	87.06	1.52	-9E+99	2.07	40.59	22.21	4.44
Beals & Salt Valley	PP282	B2-398	B2-399	1134.84	1134.64	651.00	5.00	0.00	-0.77	-1.15	4.34	87.06	1.52	-9E+99	2.32	45.65	21.63	4.33
Beals & Salt Valley	PP283	B2-399	B2-400	1134.64	1134.37	660.00	5.00	0.00	-0.88	-1.77	4.34	87.06	1.52	-9E+99	2.68	52.68	21.13	4.23
Beals & Salt Valley	PP284	B2-400	B2-401	1134.37	1134.17	717.00	5.00	0.00	-1.12	-2.80	4.35	87.06	1.52	-9E+99	2.22	43.50	20.69	4.14
Beals & Salt Valley	PP285	B2-401	B2-402	1134.17	1133.86	726.00	5.00	0.00	-1.31	-4.18	4.35	87.06	1.52	-9E+99	2.74	53.82	20.12	4.02
Beals & Salt Valley	PP286	B2-402	B2-403	1133.86	1133.51	1054.00	5.00	0.00	-1.72	-7.75	4.35	87.06	1.52	-9E+99	2.42	47.46	19.67	3.93
Beals & Salt Valley	PP287	B2-403	B3-678	1133.51	1133.29	1051.00	5.00	0.00	0.00	0.00	5.61	112.05	1.52	-9E+99	1.92	37.68	18.93	3.79
Beals & Salt Valley	PP288	B3-678	B3-679	1133.29	1133.24	575.00	5.00	0.00	0.00	0.00	5.62	112.04	1.52	-9E+99	1.24	24.29	17.32	3.47
Beals & Salt Valley	PP289	B3-679	B3-681	1133.24	1133.22	217.00	5.00	0.00	0.00	0.00	5.46	108.84	1.52	-9E+99	1.27	25.00	16.40	3.28
Beals & Salt Valley	PP290	B3-533	B3-532	1160.55	1156.85	375.50	1.50	0.01	0.00	0.00	5.22	3.69	0.33	-9E+99	5.90	10.43	0.77	0.51
Beals & Salt Valley	PP291	B3-532	B3-531	1156.85	1155.05	390.00	1.50	0.00	0.00	0.00	4.06	3.69	0.38	-9E+99	4.04	7.14	0.78	0.52
Beals & Salt Valley	PP292	B3-531	B3-530	1155.05	1154.20	185.42	1.50	0.00	0.00	0.00	4.02	3.69	0.38	-9E+99	4.02	7.11	0.78	0.52

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP293	B3-530	B3-529	1154.20	1152.69	238.08	1.50	0.01	0.00	0.00	4.52	3.69	0.36	-9E+99	4.73	8.37	0.77	0.51
Beals & Salt Valley	PP294	B3-529	B3-528	1152.69	1151.55	246.00	1.50	0.00	0.00	0.00	3.98	3.69	0.38	-9E+99	4.05	7.15	0.88	0.58
Beals & Salt Valley	PP295	B3-528	B3-527	1151.55	1149.73	398.84	1.50	0.00	0.00	0.00	3.82	3.69	0.37	-9E+99	4.02	7.10	0.88	0.58
Beals & Salt Valley	PP296	B3-527	B3-526	1149.73	1113.80	24.00	1.50	1.50	0.00	0.00	17.54	3.69	0.10	-9E+99	72.73	128.53	17.93	11.95
Beals & Salt Valley	PP297	B3-526	B3-525	1113.80	1147.23	420.00	1.50	-0.08	0.00	0.00	8.48	-4.26	0.24	-9E+99	16.77	29.64	33.81	22.54
Beals & Salt Valley	PP298	B3-525	B3-500	1147.23	1146.25	212.51	1.50	0.00	-2.61	-4.25	-2.61	-4.26	0.42	-9E+99	4.04	7.13	2.40	1.60
Beals & Salt Valley	PP299	B3-500	B3-541	1146.25	1145.07	452.00	2.00	0.00	-1.34	-4.25	-1.34	-4.26	0.58	-9E+99	3.68	11.56	3.73	1.87
Beals & Salt Valley	PP300	B3-541	B3-422	1145.07	1144.47	400.00	2.00	0.00	-1.34	-4.25	-1.34	-4.26	0.60	-9E+99	2.79	8.76	4.47	2.24
Beals & Salt Valley	PP301	B3-422	B3-374	1144.47	1143.96	400.00	2.00	0.00	-1.34	-4.25	-1.34	-4.26	0.60	-9E+99	2.57	8.08	5.12	2.56
Beals & Salt Valley	PP302	B3-374	B3-316	1143.96	1143.49	249.63	2.00	0.00	-1.34	-4.25	-1.34	-4.26	0.60	-9E+99	3.12	9.82	5.68	2.84
Beals & Salt Valley	PP303	B3-316	B3-681	1143.49	1133.22	329.27	2.00	0.03	-1.30	-4.25	-1.30	-4.26	0.51	-9E+99	12.72	39.95	16.06	8.03
Beals & Salt Valley	PP304	B3-681	B3-682	1133.22	1132.99	932.00	5.00	0.00	0.00	0.00	5.25	104.59	1.52	-9E+99	2.08	40.91	16.06	3.21
Beals & Salt Valley	PP305	B3-682	B3-683	1132.99	1132.85	632.00	5.00	0.00	0.00	0.00	5.14	101.93	1.52	-9E+99	1.97	38.76	14.86	2.97
Beals & Salt Valley	PP306	B3-683	B3-675	1132.85	1132.60	632.00	5.00	0.00	0.00	0.00	5.14	101.83	1.52	-9E+99	2.64	51.80	14.10	2.82
Beals & Salt Valley	PP307	B3-675	B3-676	1132.60	1131.60	1113.00	5.00	0.00	0.00	0.00	5.14	101.84	1.52	-9E+99	3.98	78.07	13.44	2.69
Beals & Salt Valley	PP308	B3-676	B4-736	1131.60	1130.69	1010.00	5.00	0.00	0.00	0.00	5.16	102.20	1.52	-9E+99	3.98	78.18	12.86	2.57
Beals & Salt Valley	PP309	B4-736	B4-738	1130.69	1129.96	816.00	5.00	0.00	0.00	0.00	5.44	107.44	1.52	-9E+99	3.97	77.90	12.33	2.47
Beals & Salt Valley	PP310	B4-738	B4-739	1129.96	1129.22	824.00	5.00	0.00	0.00	0.00	5.53	109.18	1.52	-9E+99	3.97	78.05	11.84	2.37
Beals & Salt Valley	PP311	B4-678	B4-171	1140.20	1139.88	150.00	1.50	0.00	0.00	0.00	0.10	-0.01	0.27	-9E+99	2.75	4.85	0.52	0.35
Beals & Salt Valley	PP312	B4-171	B4-243	1139.88	1139.65	400.00	1.50	0.00	-0.11	0.02	0.12	-0.03	0.37	-9E+99	1.43	2.52	0.75	0.50
Beals & Salt Valley	PP313	B4-243	B4-XX1	1139.65	1139.54	920.00	1.50	0.00	0.20	0.09	0.20	-0.10	0.40	-9E+99	0.65	1.15	0.86	0.57
Beals & Salt Valley	PP314	B4-XX1	B4-739	1139.54	1129.22	41.00	1.50	0.25	-0.46	-0.78	0.58	-2.06	0.38	-9E+99	29.82	52.70	11.24	7.49
Beals & Salt Valley	PP315	B4-XX1	B4-XX2	1139.54	1139.51	49.00	1.50	0.00	0.00	0.00	1.96	2.05	0.41	-9E+99	1.47	2.60	0.86	0.57
Beals & Salt Valley	PP316	B4-XX2	B4-257	1139.51	1139.29	178.00	1.50	0.00	0.00	0.00	2.00	2.05	0.40	-9E+99	2.09	3.69	0.88	0.59
Beals & Salt Valley	PP317	B4-257	B4-321	1139.29	1138.91	400.00	1.50	0.00	0.00	0.00	1.89	2.05	0.41	-9E+99	1.83	3.24	0.91	0.60
Beals & Salt Valley	PP318	B4-321	B4-329	1138.91	1138.43	519.00	1.50	0.00	0.00	0.00	1.82	2.05	0.42	-9E+99	1.81	3.19	0.97	0.65
Beals & Salt Valley	PP319	B4-329	B4-13	1138.43	1137.21	1380.50	1.50	0.00	0.00	0.00	1.81	2.05	0.41	-9E+99	1.77	3.12	0.97	0.65
Beals & Salt Valley	PP320	B5-479	B5-478	1134.41	1136.56	550.00	2.50	0.00	0.00	-0.01	0.00	-0.47	0.62	-9E+99	5.22	25.65	3.21	1.28
Beals & Salt Valley	PP321	B5-478	B5-477	1136.56	1136.14	175.00	2.50	0.00	0.02	0.03	0.02	-0.48	0.68	-9E+99	4.09	20.09	1.48	0.59
Beals & Salt Valley	PP322	B5-477	B5-476	1136.14	1136.90	388.00	2.50	0.00	-0.02	-0.05	0.02	-0.49	0.66	-9E+99	3.70	18.15	1.48	0.59
Beals & Salt Valley	PP323	B5-476	B5-677	1136.90	1136.98	300.77	2.50	0.00	-0.07	-0.07	0.07	-0.53	0.41	-9E+99	1.36	6.69	0.72	0.29
Beals & Salt Valley	PP324	B5-677	B5-676	1136.98	1137.05	50.00	2.50	0.00	-0.10	-0.08	0.10	-0.54	0.37	-9E+99	3.13	15.35	0.64	0.26
Beals & Salt Valley	PP325	B5-676	B4-13	1137.05	1137.21	108.50	2.50	0.00	-0.13	-0.08	0.13	-0.54	0.33	-9E+99	3.21	15.75	0.57	0.23
Beals & Salt Valley	PP326	B4-510	B4-511	1154.63	1153.90	225.00	1.67	0.00	0.00	0.00	3.23	3.09	0.49	-9E+99	3.64	7.97	14.55	8.71
Beals & Salt Valley	PP327	B4-511	B4-693	1153.90	1153.40	322.00	1.67	0.00	0.00	0.00	2.48	2.42	0.50	-9E+99	2.52	5.51	15.01	8.99
Beals & Salt Valley	PP328	B4-693	B4-512	1153.40	1153.08	65.00	1.67	0.00	-0.10	-0.23	3.71	2.43	0.50	-9E+99	4.48	9.81	15.32	9.17
Beals & Salt Valley	PP329	B4-512	B4-513	1153.08	1151.90	240.00	1.67	0.00	-0.22	-0.48	3.69	2.47	0.50	-9E+99	4.48	9.81	16.47	9.86
Beals & Salt Valley	PP330	B4-513	B4-473	1151.90	1150.89	324.00	1.67	0.00	-0.05	-0.10	3.05	2.41	0.49	-9E+99	3.57	7.81	17.44	10.44
Beals & Salt Valley	PP331	B4-473	B4-474	1150.89	1150.84	76.00	1.67	0.00	-0.03	-0.08	1.37	2.34	0.51	-9E+99	1.64	3.59	17.48	10.47
Beals & Salt Valley	PP332	B4-474	B4-503	1150.84	1179.30	404.00	1.67	-0.07	0.00	0.00	0.00	0.00	0.05	-9E+99	16.95	37.12	28.46	0.00
Beals & Salt Valley	PP333	B4-503	B4-640	1179.30	1142.04	457.00	1.75	0.08	0.00	0.00	0.00	0.00	0.00	-9E+99	18.81	45.24	0.00	0.00
Beals & Salt Valley	PP334	B4-640	B4-641	1142.04	1141.98	21.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.85	12.09	0.00	0.00
Beals & Salt Valley	PP335	B4-641	B4-639	1141.98	1139.63	360.00	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.82	18.28	0.00	0.00
Beals & Salt Valley	PP336	B4-639	B4-696	1139.63	1139.85	168.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.61	8.19	0.00	0.00

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP337	B4-696	B4-638	1139.85	1138.43	209.00	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.94	18.65	0.00	0.00
Beals & Salt Valley	PP338	B4-638	B4-637	1138.43	1137.48	297.00	2.00	0.00	0.00	0.00	0.00	0.00	0.01	-9E+99	4.07	12.79	0.14	0.00
Beals & Salt Valley	PP339	B4-637	B4-658	1137.48	1136.75	258.00	2.00	0.00	-0.01	0.00	0.03	-0.01	0.42	-9E+99	3.83	12.03	0.87	0.44
Beals & Salt Valley	PP340	B4-658	B4-14	1136.75	1136.58	50.00	2.00	0.00	0.01	0.01	0.01	-0.11	0.51	-9E+99	4.20	13.19	1.04	0.52
Beals & Salt Valley	PP341	B4-14	B4-13	1136.58	1137.21	54.00	2.00	-0.01	-0.01	-0.02	0.01	-0.16	0.49	-9E+99	7.78	24.43	1.04	0.52
Beals & Salt Valley	PP342	B4-13	B4-710	1137.21	1133.66	381.00	2.00	0.01	0.00	0.00	2.74	2.01	0.27	-9E+99	6.95	21.84	3.28	1.64
Beals & Salt Valley	PP343	B4-710	B4-18	1133.66	1135.31	62.00	4.00	-0.03	-0.16	-1.34	0.20	2.02	1.19	-9E+99	18.65	234.33	3.28	0.82
Beals & Salt Valley	PP344	B4-20	B4-19	1139.23	1139.01	82.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.41	8.21	0.00	0.00
Beals & Salt Valley	PP345	B4-19	B4-18	1139.01	1135.31	45.00	1.75	0.08	0.00	0.00	0.00	0.00	0.06	-9E+99	18.89	45.43	1.63	0.00
Beals & Salt Valley	PP346	B3-490	B3-493	1139.47	1138.70	671.53	3.50	0.00	0.00	0.00	3.40	29.39	1.06	-9E+99	3.54	34.07	3.28	0.94
Beals & Salt Valley	PP347	B3-493	B3-496	1138.70	1138.86	532.47	3.50	0.00	-2.84	-20.62	3.29	29.71	1.06	-9E+99	1.81	17.44	3.12	0.89
Beals & Salt Valley	PP348	B3-496	B3-498	1138.86	1138.37	525.00	3.50	0.00	0.00	0.00	4.03	29.66	1.06	-9E+99	3.19	30.74	2.70	0.77
Beals & Salt Valley	PP349	B3-498	B4-60	1138.37	1136.96	518.00	3.50	0.00	0.00	0.00	4.37	29.57	1.04	-9E+99	5.46	52.49	3.68	1.05
Beals & Salt Valley	PP350	B4-60	B4-717	1136.96	1136.85	586.00	3.67	0.00	0.00	0.00	3.00	29.51	1.15	-9E+99	1.48	15.64	3.68	1.00
	PP351	B4-717	B4-108	1136.85	1136.53	186.55	3.67	0.00	0.00	0.00	3.25	29.45	1.12	-9E+99	4.47	47.29	3.63	0.99
Beals & Salt Valley	PP352	B4-108	B4-718	1136.53	1136.38	384.00	3.67	0.00	-0.41	-0.31	3.02	29.43	1.16	-9E+99	2.13	22.57	3.63	0.99
	PP353	B4-718	B4-179	1136.38	1136.22	186.00	3.67	0.00	-0.77	-0.73	3.09	29.40	1.15	-9E+99	3.17	33.49	3.59	0.98
Beals & Salt Valley	PP354	A4-172	B4-178	1140.38	1139.32	420.00	1.50	0.00	0.00	0.00	3.05	2.90	0.39	-9E+99	2.99	5.28	0.94	0.62
Beals & Salt Valley	PP355	B4-178	B4-179	1139.32	1136.22	425.00	1.50	0.01	0.00	0.00	4.41	2.92	0.42	-9E+99	5.08	8.97	3.59	2.39
Beals & Salt Valley	PP356	B4-179	B4-181	1136.22	1136.09	236.00	3.67	0.00	0.00	0.00	3.45	32.80	1.16	-9E+99	2.53	26.80	3.59	0.98
Beals & Salt Valley	PP357	B4-181	B4-609	1136.09	1135.47	166.00	3.67	0.00	0.00	0.00	3.46	32.79	1.16	-9E+99	6.60	69.78	4.05	1.10
Beals & Salt Valley	PP358	B4-609	B4-173	1135.47	1135.80	227.00	3.67	0.00	-2.78	-27.39	3.06	32.78	1.15	-9E+99	4.12	43.53	3.88	1.06
Beals & Salt Valley	PP359	B4-173	B4-719	1135.80	1135.55	559.00	3.67	0.00	0.00	0.00	3.43	32.76	1.17	-9E+99	2.28	24.15	3.55	0.97
	PP360	B4-719	B4-253	1135.55	1135.43	155.00	3.67	0.00	0.00	0.00	3.78	32.73	1.15	-9E+99	3.00	31.77	3.39	0.93
Beals & Salt Valley	PP361	B4-253	B4-254	1135.43	1134.63	65.00	3.67	0.01	0.00	0.00	3.72	32.73	1.14	-9E+99	11.97	126.66	4.17	1.14
Beals & Salt Valley	PP362	B4-254	B4-323	1134.63	1135.09	400.00	3.67	0.00	-2.77	-28.40	3.02	32.72	1.11	-9E+99	3.66	38.72	3.88	1.06
Beals & Salt Valley	PP363	B4-323	B4-326	1135.09	1134.80	410.00	3.67	0.00	0.00	0.00	3.56	32.70	1.17	-9E+99	2.87	30.37	3.42	0.93
Beals & Salt Valley	PP364	B4-326	B4-390	1134.80	1134.39	587.00	3.67	0.00	0.00	0.00	3.68	32.70	1.17	-9E+99	2.85	30.17	3.41	0.93
Beals & Salt Valley	PP365	B4-390	B4-395	1134.39	1133.06	551.00	3.67	0.00	0.00	0.00	3.85	32.70	1.14	-9E+99	5.30	56.09	4.36	1.19
Beals & Salt Valley	PP366	B4-395	B4-742	1133.06	1133.40	107.00	3.67	0.00	-2.76	-29.51	3.74	32.80	1.11	-9E+99	6.08	64.36	4.28	1.17
Beals & Salt Valley	PP367	B4-742	B4-397	1133.40	1133.80	130.00	3.67	0.00	-2.93	-29.50	3.58	33.71	1.13	-9E+99	5.99	63.33	3.83	1.05
Beals & Salt Valley	L772	B4-742	B4-743	1133.40	1127.02	33.00	3.00	0.19	0.01	0.04	7.59	27.28	0.90	-9E+99	41.49	293.27	10.35	3.45
Beals & Salt Valley	PP368	B4-397	B4-22	1133.80	1133.56	340.00	3.67	0.00	-0.20	-0.07	3.50	33.67	1.18	-9E+99	2.87	30.33	3.43	0.94
Beals & Salt Valley	PP369	B4-22	B4-18	1133.56	1133.56	62.00	3.67	0.00	0.00	0.00	3.61	34.15	1.18	-9E+99	0.34	3.61	3.42	0.93
Beals & Salt Valley	PP370	B4-18	B4-589	1133.56	1133.38	168.00	3.67	0.00	0.00	0.00	3.67	35.21	1.17	-9E+99	3.53	37.37	3.42	0.93
Beals & Salt Valley	PP371	B4-589	B4-492	1133.38	1133.33	65.00	3.67	0.00	0.00	0.00	3.63	35.21	1.18	-9E+99	2.99	31.67	3.42	0.93
Beals & Salt Valley	PP372	B4-492	B5-57	1133.33	1132.86	603.00	3.67	0.00	0.00	0.00	3.64	35.21	1.18	-9E+99	3.01	31.88	3.41	0.93
Beals & Salt Valley	PP373	B5-57	B5-121	1132.86	1132.52	444.00	4.00	0.00	0.00	0.00	3.45	35.21	1.30	-9E+99	3.16	39.75	3.48	0.87
Beals & Salt Valley	PP374	B5-121	B5-122	1132.52	1132.18	427.00	4.00	0.00	0.00	0.00	3.43	35.22	1.31	-9E+99	3.23	40.53	3.59	0.90
Beals & Salt Valley	PP375	B5-512	B5-49	1139.92	1139.70	190.00	1.67	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.17	4.76	0.00	0.00
Beals & Salt Valley	PP376	B5-49	B5-554	1139.70	1139.32	266.00	1.67	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.41	5.29	0.00	0.00
Beals & Salt Valley	PP377	B5-554	B5-61	1139.32	1139.32	256.00	1.67	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.20	0.44	0.00	0.00
Beals & Salt Valley	PP378	B5-61	B5-62	1139.32	1136.42	60.00	1.67	0.05	0.00	0.00	0.00	0.00	0.00	-9E+99	14.04	30.75	0.00	0.00
Beals & Salt Valley	PP379	B5-62	B5-503	1136.42	1136.83	225.00	1.67	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.73	5.97	0.00	0.00

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP380	B5-503	B5-480	1136.83	1136.83	285.00	1.25	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.17	0.20	0.00	0.00
Beals & Salt Valley	PP381	B5-480	B5-535	1136.83	1135.63	221.00	1.25	0.01	0.00	0.00	0.00	0.00	0.01	-9E+99	3.88	4.76	0.14	0.00
Beals & Salt Valley	PP382	B5-535	B5-122	1135.63	1132.18	353.00	1.75	0.01	0.00	0.00	0.06	-0.02	0.40	-9E+99	6.51	15.66	3.59	2.05
Beals & Salt Valley	PP383	B5-122	B5-X40	1132.18	1131.40	582.00	4.00	0.00	0.00	0.00	3.31	35.26	1.32	-9E+99	4.18	52.59	4.06	1.02
Beals & Salt Valley	PP384	B5-X40	B5-160	1131.40	1130.93	670.00	4.00	0.00	-0.01	-0.03	2.86	35.30	1.33	-9E+99	3.03	38.04	4.14	1.03
Beals & Salt Valley	PP385	B5-160	B5-601	1130.93	1130.53	153.00	4.00	0.00	0.00	0.00	2.87	36.26	1.29	-9E+99	5.84	73.45	4.45	1.11
Beals & Salt Valley	PP386	B5-601	B5-548	1130.53	1131.20	102.00	4.00	-0.01	-2.77	-34.07	3.24	36.98	1.21	-9E+99	9.26	116.42	4.40	1.10
Beals & Salt Valley	PP387	B5-601	B5-602	1130.53	1125.80	445.00	3.50	0.01	-0.03	-0.32	3.20	-10.87	0.89	-9E+99	10.78	103.73	9.19	2.63
Beals & Salt Valley	PP388	B5-548	B5-274	1131.20	1130.68	413.00	4.00	0.00	0.00	0.00	3.72	36.06	1.34	-9E+99	4.06	50.97	4.02	1.01
Beals & Salt Valley	PP389	B5-274	B5-596	1130.68	1130.38	71.00	4.00	0.00	0.00	0.00	3.45	35.94	1.32	-9E+99	7.43	93.37	4.29	1.07
Beals & Salt Valley	PP390	B5-596	B5-597	1130.38	1130.18	363.00	4.00	0.00	0.00	0.00	3.12	35.85	1.24	-9E+99	2.68	33.72	4.29	1.07
Beals & Salt Valley	PP391	B5-597	B5-275	1130.18	1129.94	442.00	4.00	0.00	0.00	0.00	3.10	35.68	1.23	-9E+99	2.66	33.47	4.29	1.07
Beals & Salt Valley	PP392	B5-275	B5-327	1129.94	1129.90	667.00	4.00	0.00	0.00	0.00	3.12	35.43	1.23	-9E+99	0.89	11.12	4.28	1.07
Beals & Salt Valley	PP393	B5-327	B5-565	1129.90	1129.84	73.00	4.00	0.00	0.00	0.00	3.54	35.27	1.32	-9E+99	3.28	41.18	3.96	0.99
Beals & Salt Valley	PP394	B5-565	B5-329	1129.84	1129.74	169.00	4.00	0.00	0.00	0.00	3.54	35.26	1.32	-9E+99	2.78	34.94	3.96	0.99
Beals & Salt Valley	PP395	B5-329	B5-328	1129.74	1129.70	71.00	4.00	0.00	0.00	0.00	3.59	35.24	1.32	-9E+99	2.71	34.09	3.96	0.99
Beals & Salt Valley	PP396	B5-328	B5-362	1129.70	1129.49	362.00	4.00	0.00	0.00	0.00	3.62	35.22	1.32	-9E+99	2.75	34.60	3.96	0.99
Beals & Salt Valley	PP397	B5-362	B5-361	1129.49	1129.14	125.00	4.00	0.00	0.00	0.00	3.79	35.21	1.30	-9E+99	6.05	76.01	4.25	1.06
Beals & Salt Valley	PP398	B5-361	B6-357	1129.14	1128.62	673.00	4.00	0.00	0.00	0.00	3.30	35.25	1.22	-9E+99	3.18	39.93	4.40	1.10
Beals & Salt Valley	PP399	B6-357	B6-30	1128.62	1128.09	644.00	4.00	0.00	0.00	0.00	3.14	35.37	1.22	-9E+99	3.28	41.21	4.58	1.15
Beals & Salt Valley	PP400	B6-30	B6-31	1128.09	1127.59	643.00	4.00	0.00	0.00	0.00	2.97	36.08	1.22	-9E+99	3.19	40.06	4.75	1.19
Beals & Salt Valley	PP401	B6-31	B6-32	1127.59	1127.09	629.00	4.00	0.00	0.00	0.00	2.81	36.93	1.22	-9E+99	3.22	40.50	4.99	1.25
Beals & Salt Valley	PP402	B6-32	B6-243	1127.09	1126.84	331.00	4.00	0.00	0.00	0.00	3.11	40.64	1.22	-9E+99	3.14	39.48	5.77	1.44
Beals & Salt Valley	PP403	B6-243	B6-33	1126.84	1126.63	275.00	4.00	0.00	-0.05	-0.13	3.18	41.48	1.22	-9E+99	3.16	39.69	5.77	1.44
Beals & Salt Valley	PP404	B6-33	B6-371	1126.63	1125.85	577.50	4.00	0.00	-0.10	-0.53	3.04	39.31	1.21	-9E+99	4.20	52.79	5.98	1.49
Beals & Salt Valley	PP405	B5-639	B6-392	1129.70	1128.56	570.55	3.00	0.00	0.00	0.00	2.13	4.21	0.78	-9E+99	4.22	29.81	2.72	0.91
Beals & Salt Valley	PP406	B6-392	B6-394	1128.56	1128.38	89.00	3.00	0.00	-0.07	-0.01	2.06	5.95	0.91	-9E+99	4.24	30.00	2.95	0.98
Beals & Salt Valley	PP407	B6-394	B6-395	1128.38	1128.01	181.00	3.00	0.00	0.00	0.00	2.26	4.88	0.91	-9E+99	4.27	30.16	3.32	1.11
Beals & Salt Valley	PP408	B6-395	B6-34	1128.01	1125.84	449.00	3.00	0.00	0.00	0.00	2.65	5.60	0.90	-9E+99	6.56	46.37	6.07	2.02
Beals & Salt Valley	PP409	B6-34	B6-371	1125.84	1125.85	72.50	3.00	0.00	-0.26	-1.87	1.66	4.98	0.91	-9E+99	1.11	7.83	6.06	2.02
Beals & Salt Valley	PP410	B6-371	B6-72	1125.85	1125.48	481.33	4.50	0.00	0.00	0.00	2.82	46.83	1.37	-9E+99	3.43	54.52	6.33	1.41
Beals & Salt Valley	PP411	B6-72	B6-373	1125.48	1123.00	500.00	4.50	0.00	-0.03	-0.47	2.80	42.76	1.34	-9E+99	8.71	138.49	7.89	1.75
Beals & Salt Valley	PP412	B4-741	B4-743	1128.29	1127.02	1146.00	5.00	0.00	-0.43	-1.80	5.57	109.86	1.52	-9E+99	4.42	86.70	10.84	2.17
Beals & Salt Valley	PP413	B4-743	B5-614	1127.02	1126.74	945.00	6.50	0.00	0.00	0.00	3.91	133.33	2.07	-9E+99	2.72	90.25	10.37	1.60
Beals & Salt Valley	PP414	B5-614	B5-616	1126.74	1126.61	380.00	6.50	0.00	-1.70	-4.31	4.26	147.15	2.07	-9E+99	2.92	96.97	10.37	1.60
Beals & Salt Valley	PP415	B5-616	B5-617	1126.61	1126.41	757.00	6.50	0.00	0.00	0.00	4.44	152.41	2.07	-9E+99	2.57	85.22	10.06	1.55
Beals & Salt Valley	PP416	B5-617	B5-618	1126.41	1126.10	820.00	6.50	0.00	0.00	0.00	4.26	145.88	2.07	-9E+99	3.07	101.94	9.78	1.51
Beals & Salt Valley	PP417	B5-618	B5-619	1126.10	1125.93	538.00	6.50	0.00	0.00	0.00	4.26	144.87	2.07	-9E+99	2.81	93.20	9.57	1.47
Beals & Salt Valley	PP418	B5-619	B5-602	1125.93	1125.80	520.00	6.50	0.00	0.00	0.00	4.27	144.55	2.07	-9E+99	2.50	82.90	9.39	1.45
Beals & Salt Valley	PP419	B5-602	B5-603	1125.80	1125.54	851.00	6.50	0.00	0.00	0.00	4.12	140.10	2.07	-9E+99	2.76	91.64	9.19	1.41
Beals & Salt Valley	PP420	B5-603	B5-604	1125.54	1125.13	783.00	6.50	0.00	0.00	0.00	4.09	138.08	2.07	-9E+99	3.62	119.97	9.07	1.40
Beals & Salt Valley	PP421	B5-604	B5-605	1125.13	1124.87	765.00	6.50	0.00	0.00	0.00	4.08	136.23	2.07	-9E+99	2.91	96.65	8.92	1.37
Beals & Salt Valley	PP422	B5-605	B6-384	1124.87	1124.73	626.00	6.50	0.00	0.00	0.00	4.14	135.27	2.07	-9E+99	2.36	78.40	8.56	1.32
Beals & Salt Valley	PP423	B6-384	B6-385	1124.73	1124.54	800.00	6.50	0.00	0.00	0.00	4.25	134.95	2.07	-9E+99	2.43	80.80	8.30	1.28

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP424	B6-385	B6-386	1124.54	1124.34	850.00	6.50	0.00	0.00	0.00	4.44	134.53	2.07	-9E+99	2.42	80.42	7.97	1.23
Beals & Salt Valley	PP425	B6-386	B6-387	1124.34	1124.07	571.00	6.50	0.00	0.00	0.00	4.72	134.46	2.07	-9E+99	3.44	114.01	7.65	1.18
Beals & Salt Valley	PP426	B6-387	B6-388	1124.07	1123.86	428.00	6.50	0.00	0.00	0.00	4.88	134.45	2.07	-9E+99	3.50	116.13	7.59	1.17
Beals & Salt Valley	PP427	B6-388	B6-389	1123.86	1123.61	710.00	6.50	0.00	0.00	0.00	5.13	134.64	2.07	-9E+99	2.96	98.38	7.54	1.16
Beals & Salt Valley	PP428	B6-389	B6-373	1123.61	1123.00	140.00	6.00	0.00	0.00	0.00	7.25	136.76	1.84	-9E+99	9.89	279.55	7.89	1.32
Beals & Salt Valley	1726.1	B6-373	N751	1123.00	1110.10	95.56	4.00	0.13	-0.25	-2.92	9.53	120.73	1.20	-9E+99	42.00	527.77	20.18	5.04
Beals & Salt Valley	1726.2	B6-373	N751	1123.00	1110.10	95.56	2.50	0.13	-0.64	-3.23	6.97	34.80	0.75	-9E+99	30.70	150.70	20.18	8.07
Beals & Salt Valley	1726.3	B6-373	N751	1123.00	1110.10	95.56	2.00	0.13	-2.52	-8.03	6.01	19.30	0.57	-9E+99	26.46	83.12	20.18	10.09
Beals & Salt Valley	PP430	B6-374	B6-375	1123.00	1121.08	334.00	6.50	0.01	-1.11	-10.11	6.75	174.56	2.69	-9E+99	11.98	397.50	6.89	1.06
Beals & Salt Valley	PP431	B6-375	B6-376	1121.08	1120.95	703.00	6.50	0.00	-2.14	-14.48	5.13	174.34	2.12	-9E+99	2.15	71.29	6.89	1.06
Beals & Salt Valley	PP432	B6-376	B6-377	1120.95	1120.47	1022.00	6.50	0.00	-2.60	-26.14	5.35	174.27	2.58	-9E+99	3.42	113.62	6.26	0.96
Beals & Salt Valley	PP433	B6-377	B6-378	1120.47	1120.23	878.00	6.50	0.00	-3.69	-44.58	5.71	174.26	2.75	-9E+99	2.61	86.68	5.71	0.88
Beals & Salt Valley	PP434	B6-378	B6-91	1120.23	1120.20	317.00	6.50	0.00	-5.15	-61.50	6.55	174.26	2.73	-9E+99	1.54	51.00	4.92	0.76
Beals & Salt Valley	PP435	B6-91	WWTP	1120.20	1119.99	470.00	6.50	0.00	-4.88	-77.32	7.53	174.26	2.55	-9E+99	3.34	110.82	4.39	0.68
Beals & Salt Valley	PP436	B6-271	B6-270	1136.14	1135.43	339.50	3.00	0.00	0.00	0.00	3.97	11.07	0.66	-9E+99	4.32	30.50	1.25	0.42
Beals & Salt Valley	PP437	B6-270	B6-269	1135.43	1134.55	419.50	3.00	0.00	0.00	0.00	3.97	11.07	0.66	-9E+99	4.32	30.55	1.26	0.42
Beals & Salt Valley	PP438	B6-269	B6-268	1134.55	1133.64	437.00	3.00	0.00	0.00	0.00	3.93	11.07	0.67	-9E+99	4.31	30.44	1.29	0.43
Beals & Salt Valley	PP439	B6-268	B6-267	1133.64	1133.00	305.00	3.00	0.00	0.00	0.00	3.76	11.07	0.68	-9E+99	4.32	30.55	1.41	0.47
Beals & Salt Valley	PP440	B6-267	B6-266	1133.00	1132.51	417.00	3.00	0.00	0.00	0.00	3.51	11.07	0.70	-9E+99	3.23	22.86	1.41	0.47
Beals & Salt Valley	PP441	B6-266	B6-265	1132.51	1130.44	220.00	3.00	0.01	0.00	0.00	4.76	11.75	0.58	-9E+99	9.15	64.70	3.02	1.01
Beals & Salt Valley	PP442	B6-326	B6-325	1133.49	1133.03	515.00	4.50	0.00	-0.03	-0.03	2.79	24.50	1.21	-9E+99	3.70	58.77	2.65	0.59
Beals & Salt Valley	PP443	B6-325	B6-324	1133.03	1133.01	515.00	4.50	0.00	-0.79	-0.69	2.55	24.50	1.30	-9E+99	0.77	12.25	2.65	0.59
Beals & Salt Valley	PP444	B6-324	B6-323	1133.01	1132.57	513.80	4.50	0.00	-0.75	-1.35	2.78	24.50	1.22	-9E+99	3.62	57.55	2.69	0.60
Beals & Salt Valley	PP445	B6-331	B6-330	1138.47	1137.96	428.80	1.50	0.00	0.00	0.00	2.99	5.30	0.46	-9E+99	2.05	3.62	2.55	1.70
Beals & Salt Valley	PP446	B6-330	B6-328	1137.96	1137.34	424.50	1.50	0.00	0.00	0.00	2.99	5.30	0.46	-9E+99	2.27	4.01	1.97	1.32
Beals & Salt Valley	PP447	B6-328	B6-327	1137.34	1136.82	358.00	1.50	0.00	0.00	0.00	3.14	5.30	0.45	-9E+99	2.27	4.00	1.54	1.03
Beals & Salt Valley	PP448	B6-327	B6-323	1136.82	1132.57	359.00	1.50	0.01	0.00	0.00	5.50	5.30	0.39	-9E+99	6.47	11.43	2.69	1.79
Beals & Salt Valley	PP449	B6-323	B6-322	1132.57	1132.11	561.70	4.50	0.00	0.00	0.00	3.37	33.47	1.31	-9E+99	3.54	56.28	2.80	0.62
Beals & Salt Valley	PP450	B6-322	B6-321	1132.11	1132.04	344.00	4.50	0.00	0.00	0.00	3.24	33.47	1.35	-9E+99	1.76	28.05	2.80	0.62
Beals & Salt Valley	PP451	B6-321	B6-320	1132.04	1131.91	75.80	4.50	0.00	0.00	0.00	3.44	33.47	1.29	-9E+99	5.12	81.44	2.73	0.61
Beals & Salt Valley	PP452	B6-320	B6-319	1131.91	1131.78	362.00	4.50	0.00	0.00	0.00	3.34	33.47	1.32	-9E+99	2.34	37.27	2.73	0.61
Beals & Salt Valley	PP453	B6-319	B6-318	1131.78	1131.67	75.80	4.50	0.00	0.00	0.00	3.49	33.47	1.27	-9E+99	4.71	74.91	2.67	0.59
Beals & Salt Valley	PP454	B6-318	B6-278	1131.67	1131.39	541.00	4.50	0.00	0.00	0.00	3.42	33.47	1.29	-9E+99	2.81	44.74	2.67	0.59
Beals & Salt Valley	PP455	B6-278	B6-279	1131.39	1131.14	446.00	4.50	0.00	-0.44	-0.29	3.62	33.47	1.23	-9E+99	2.93	46.56	2.56	0.57
Beals & Salt Valley	PP456	B6-279	B6-280	1131.14	1130.58	122.00	4.50	0.00	-0.82	-1.30	3.96	33.47	1.19	-9E+99	8.38	133.23	2.98	0.66
Beals & Salt Valley	PP457	B6-280	B6-265	1130.58	1130.44	225.00	4.50	0.00	-1.23	-2.18	3.06	34.07	1.40	-9E+99	3.08	49.05	3.02	0.67
Beals & Salt Valley	PP458	B6-265	B6-281	1130.44	1130.14	491.30	4.50	0.00	0.00	0.00	4.96	55.00	1.38	-9E+99	3.06	48.59	3.02	0.67
Beals & Salt Valley	PP459	B6-281	B6-282	1130.14	1129.73	128.00	4.50	0.00	0.00	0.00	6.15	55.00	1.19	-9E+99	7.00	111.30	2.63	0.58
Beals & Salt Valley	PP460	B6-282	B6-283	1129.73	1129.11	152.60	4.50	0.00	0.00	0.00	5.59	55.00	1.25	-9E+99	7.88	125.35	3.10	0.69
Beals & Salt Valley	PP461	B6-283	B6-284	1129.11	1128.69	426.00	4.50	0.00	0.00	0.00	4.73	55.00	1.42	-9E+99	3.88	61.75	3.10	0.69
Beals & Salt Valley	PP462	B6-284	B6-285	1128.69	1128.39	227.00	4.50	0.00	0.00	0.00	4.93	55.30	1.39	-9E+99	4.49	71.49	2.99	0.67
Beals & Salt Valley	PP463	B6-285	B6-286	1128.39	1127.39	720.00	4.50	0.00	0.00	0.00	4.91	55.30	1.39	-9E+99	4.61	73.29	3.09	0.69
Beals & Salt Valley	PP464	B6-286	B6-287	1127.39	1126.91	456.00	4.50	0.00	0.00	0.00	4.78	55.30	1.42	-9E+99	4.01	63.80	3.09	0.69
Beals & Salt Valley	PP465	B6-287	B6-288	1126.91	1126.35	522.72	4.50	0.00	0.00	0.00	4.98	55.30	1.39	-9E+99	4.05	64.37	2.99	0.66

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP466	B6-288	B6-289	1126.35	1125.35	468.41	4.50	0.00	0.00	0.00	5.32	55.30	1.32	-9E+99	5.71	90.86	3.11	0.69
Beals & Salt Valley	PP467	B6-289	B6-293	1125.35	1125.14	472.07	4.50	0.00	0.00	0.00	5.04	57.74	1.42	-9E+99	2.61	41.48	3.11	0.69
Beals & Salt Valley	PP468	B6-293	B6-294	1125.14	1124.09	403.73	4.50	0.00	0.00	0.00	6.53	57.74	1.18	-9E+99	6.31	100.29	2.45	0.54
Beals & Salt Valley	PP469	B6-294	B6-2941	1124.09	1122.50	574.00	4.50	0.00	0.00	0.00	6.60	57.74	1.18	-9E+99	6.51	103.50	2.57	0.57
Beals & Salt Valley	OAK-S1	B6-2941	N1477	1122.50	1107.50	220.51	2.50	0.07	-0.92	-4.32	5.07	22.63	0.75	-9E+99	21.79	106.98	17.13	6.85
Beals & Salt Valley	OAK-S2	B6-2941	N1477	1122.50	1107.50	220.51	2.00	0.07	-1.71	-5.19	3.95	12.48	0.60	-9E+99	18.78	59.00	17.13	8.56
Beals & Salt Valley	OAK-S3	B6-2941	N1477	1122.50	1107.50	220.51	2.50	0.07	-0.92	-4.32	5.07	22.63	0.75	-9E+99	21.79	106.98	17.13	6.85
Beals & Salt Valley	PP471	B6-2942	B6-296	1121.50	1120.62	114.44	4.50	0.01	-4.79	-36.55	6.74	57.74	1.29	-9E+99	10.84	172.44	3.15	0.70
Beals & Salt Valley	PP472	B6-296	WWTP	1120.62	1119.99	447.00	4.50	0.00	-3.39	-40.56	4.84	57.74	1.51	-9E+99	4.64	73.83	3.25	0.72
Little Salt	PP473	C6-432	B6-117	1131.05	1130.80	448.50	2.50	0.00	0.00	0.00	4.07	20.09	0.76	-9E+99	1.97	9.68	5.34	2.14
Beals & Salt Valley	PP474	B6-117	B6-110	1130.80	1130.55	444.50	2.50	0.00	0.00	0.00	4.07	20.05	0.76	-9E+99	1.98	9.73	4.62	1.85
Beals & Salt Valley	PP475	B6-110	B6-106	1130.55	1130.29	463.71	2.50	0.00	0.00	0.00	4.18	20.63	0.76	-9E+99	1.98	9.71	4.12	1.65
Beals & Salt Valley	PP476	B6-106	B6-102	1130.29	1130.04	442.70	2.50	0.00	-0.17	-0.05	3.87	19.38	0.76	-9E+99	1.99	9.75	2.75	1.10
Beals & Salt Valley	PP477	B6-102	B6-103	1130.04	1129.96	126.30	2.50	0.00	-0.82	-0.27	4.62	19.24	0.76	-9E+99	2.10	10.32	2.01	0.81
Beals & Salt Valley	PP478	B6-103	B6-98	1129.96	1129.89	139.60	2.50	0.00	0.00	0.00	5.97	20.03	0.71	-9E+99	1.87	9.18	1.71	0.68
Beals & Salt Valley	PP479	B6-98	B6-100	1129.89	1123.00	240.40	2.50	0.03	0.00	0.00	10.57	19.99	0.53	-9E+99	14.15	69.44	1.99	0.80
Beals & Salt Valley	PP480	B5-485	B6-343	1127.72	1127.28	362.72	3.50	0.00	0.00	0.00	4.37	43.93	1.06	-9E+99	3.64	35.04	4.00	1.14
Beals & Salt Valley	PP481	B6-343	B6-342	1127.28	1126.86	300.84	3.50	0.00	0.00	0.00	4.45	43.93	1.06	-9E+99	3.91	37.59	3.81	1.09
Beals & Salt Valley	PP482	B6-342	B6-341	1126.86	1126.41	355.12	3.50	0.00	-0.34	-0.29	4.52	43.94	1.06	-9E+99	3.72	35.81	3.69	1.05
Beals & Salt Valley	PP483	B6-20	B6-341	1137.32	1126.41	410.00	1.75	0.03	0.00	0.00	0.00	0.00	0.06	-9E+99	10.75	25.85	3.48	0.00
Beals & Salt Valley	PP484	B6-341	B6-340	1126.41	1125.85	439.20	3.50	0.00	0.00	0.00	4.90	46.57	1.06	-9E+99	3.73	35.93	3.48	0.99
Beals & Salt Valley	PP485	B6-340	B6-339	1125.85	1125.67	134.80	3.50	0.00	0.00	0.00	5.18	46.57	1.09	-9E+99	3.82	36.76	3.10	0.89
Beals & Salt Valley	PP486	B6-339	B6-344	1125.67	1125.55	95.00	3.50	0.00	0.00	0.00	5.31	46.57	1.10	-9E+99	3.72	35.76	3.01	0.86
Beals & Salt Valley	PP487	B6-344	B6-246	1125.55	1125.30	523.55	5.00	0.00	0.00	0.00	3.94	46.57	1.56	-9E+99	2.90	56.91	2.92	0.59
Beals & Salt Valley	PP488	B6-246	B6-66	1125.30	1124.14	641.90	5.00	0.00	0.00	0.00	4.17	46.57	1.49	-9E+99	5.64	110.72	3.40	0.68
Beals & Salt Valley	PP489	B6-66	B6-87	1124.14	1123.92	596.14	5.00	0.00	0.00	0.00	3.28	46.57	1.75	-9E+99	2.55	50.03	3.40	0.68
Beals & Salt Valley	PP490	B6-87	B6-89	1123.92	1123.67	650.00	5.00	0.00	0.00	0.00	3.39	46.57	1.72	-9E+99	2.60	51.08	3.31	0.66
Beals & Salt Valley	PP491	B6-89	B6-90	1123.67	1123.41	675.00	5.00	0.00	0.00	0.00	3.54	46.57	1.68	-9E+99	2.60	51.11	3.19	0.64
Beals & Salt Valley	PP492	B6-90	B6-94	1123.41	1123.15	775.00	5.00	0.00	0.00	0.00	3.84	46.58	1.59	-9E+99	2.43	47.70	3.01	0.60
Beals & Salt Valley	PP493	B6-94	B6-100	1123.15	1123.00	387.75	5.00	0.00	-0.74	-0.56	4.73	46.59	1.37	-9E+99	2.61	51.22	2.57	0.51
Little Salt	PP494	C6-349	B6-115	1126.03	1225.67	434.00	3.50	-0.23	0.00	0.00	0.00	0.00	0.11	-9E+99	50.11	482.07	99.64	0.00
Beals & Salt Valley	PP495	B6-115	B6-274	1225.67	1125.31	50.00	3.50	2.01	0.00	0.00	0.00	0.00	0.00	-9E+99	148.15	1425.40	0.00	0.00
Beals & Salt Valley	PP496	B6-274	B6-111	1125.31	1125.31	420.00	3.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.33	3.18	0.00	0.00
Beals & Salt Valley	PP497	B6-111	B6-382	1125.31	1125.00	340.00	3.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.16	30.38	0.00	0.00
Beals & Salt Valley	PP498	B6-382	B6-108	1125.00	1124.94	95.00	3.50	0.00	0.00	0.00	0.00	0.00	0.01	-9E+99	2.63	25.28	0.05	0.00
Beals & Salt Valley	PP499	B6-108	B6-105	1124.94	1124.58	420.00	3.50	0.00	-0.03	0.00	0.04	-0.02	0.24	-9E+99	3.06	29.46	0.41	0.12
Beals & Salt Valley	PP500	B6-105	B6-100	1124.58	1123.00	683.00	3.50	0.00	0.01	0.02	0.02	-0.08	0.88	-9E+99	5.03	48.39	1.99	0.57
Beals & Salt Valley	PP501	B6-100	WWTP	1123.00	1119.99	371.00	5.00	0.01	-0.07	-0.90	8.39	66.44	1.32	-9E+99	11.95	234.59	3.25	0.65
Beals & Salt Valley	PP502	B4-739	B4-741	1129.22	1128.29	847.00	5.00	0.00	0.00	0.00	5.55	109.51	1.52	-9E+99	4.40	86.30	11.24	2.25
Beals & Salt Valley	PP504	B3-668	B3-682	1144.55	1143.62	56.24	1.50	0.02	-2.20	-3.94	-2.20	-4.08	0.43	-9E+99	7.64	13.51	4.23	2.82
Beals & Salt Valley	PP505	B3-667	B3-490	1136.04	1139.47	672.00	3.50	-0.01	-2.06	-19.24	3.07	29.42	0.89	-9E+99	7.47	71.88	6.44	1.84
Beals & Salt Valley	PP506	C1-562	B1-272	1176.11	1173.42	432.00	1.50	0.01	0.00	0.00	4.96	7.05	0.45	-9E+99	4.69	8.29	7.25	4.83
Beals & Salt Valley	PP507	B1-272	B1-80	1173.42	1173.10	24.40	2.50	0.01	0.00	0.00	6.68	24.16	0.76	-9E+99	9.57	46.97	7.49	3.00
Beals & Salt Valley	L759	C1-565	C1-12	1212.34	1211.57	339.00	1.75	0.00	0.00	0.00	4.66	11.17	0.53	-9E+99	2.92	7.01	8.32	4.75

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
	P10	MH-4	B2S-37	1171.66	1171.12	398.27	4.00	0.00	-0.62	-0.90	4.06	41.56	1.22	-9E+99	4.21	52.89	9.53	2.38
	P9	MH-5	MH-4	1172.00	1171.66	321.55	4.00	0.00	0.00	0.00	4.11	41.56	1.22	-9E+99	3.72	46.71	9.31	2.33
	P8	MH-6	MH-5	1172.54	1172.00	507.42	4.00	0.00	0.00	0.00	4.13	41.56	1.22	-9E+99	3.73	46.86	9.23	2.31
	P7	MH-7	MH-6	1173.12	1172.54	548.50	4.00	0.00	0.00	0.00	4.14	41.57	1.22	-9E+99	3.72	46.71	9.11	2.28
	P6	MH-8	MH-7	1173.70	1173.12	542.02	4.00	0.00	0.00	0.00	4.16	41.57	1.22	-9E+99	3.74	46.99	8.98	2.24
	P5	MH-9	MH-8	1174.28	1173.70	518.48	4.00	0.00	0.00	0.00	4.20	41.57	1.24	-9E+99	3.82	48.04	8.84	2.21
	P4	MH-10	MH-9	1174.85	1174.28	525.97	4.00	0.00	0.00	0.00	4.21	41.58	1.33	-9E+99	3.76	47.29	8.68	2.17
	P3	MH-11	MH-10	1175.43	1174.85	563.92	4.00	0.00	0.00	0.00	4.17	41.58	1.34	-9E+99	3.67	46.07	8.54	2.14
	P2	MH-12	MH-11	1175.99	1175.43	530.74	4.00	0.00	0.00	0.00	4.17	41.58	1.32	-9E+99	3.71	46.66	8.42	2.11
	P1	SB4-57	MH-12	1176.50	1175.99	512.12	4.00	0.00	0.00	0.00	4.13	41.59	1.29	-9E+99	3.61	45.33	8.30	2.08
	SWP5	SW-1	B1-7	1144.25	1143.50	500.00	5.00	0.00	0.00	0.00	4.53	49.20	1.51	-9E+99	5.14	100.87	21.31	4.26
	SWP4	SW-2	SW-1	1145.68	1144.25	950.00	5.00	0.00	0.00	0.00	4.55	48.64	1.49	-9E+99	5.15	101.05	20.68	4.14
	SWP3	SW-3	SW-2	1147.86	1145.68	1450.00	5.00	0.00	0.00	0.00	4.62	48.63	1.49	-9E+99	5.14	100.98	19.56	3.91
	SWP2	SW-4	SW-3	1150.26	1147.86	1600.00	5.00	0.00	0.00	0.00	4.72	48.63	1.49	-9E+99	5.14	100.87	17.86	3.57
	SWP1	SW-5	SW-4	1152.36	1150.26	1400.00	5.00	0.00	0.00	0.00	4.78	48.64	1.49	-9E+99	5.14	100.87	15.99	3.20
	SWP8	SW-6	SW-7	1168.36	1163.26	2040.00	4.00	0.00	0.00	0.00	4.50	18.31	0.86	-9E+99	5.72	71.82	5.11	1.28
	SWP7	SW-7	SW-8	1163.26	1157.81	2180.00	4.00	0.00	0.00	0.00	5.29	29.46	1.25	-9E+99	5.72	71.82	9.64	2.41
	SWP6	SW-8	SW-5	1157.81	1153.36	1780.00	4.00	0.00	0.00	0.00	5.26	29.46	1.20	-9E+99	5.72	71.82	13.36	3.34
	SWP9	SW-9	SW-5	1158.36	1152.36	2000.00	4.00	0.00	0.00	0.00	4.90	19.27	1.19	-9E+99	6.26	78.68	14.36	3.59
	1727.1	N751	N752	1110.10	1110.10	243.00	4.00	0.00	-1.51	-4.31	9.32	120.13	1.22	-9E+99	0.36	4.54	20.18	5.05
	1727.2	N751	N752	1110.10	1110.10	243.00	2.50	0.00	-1.47	-1.67	6.82	34.96	0.76	-9E+99	0.26	1.30	20.18	8.07
	1727.3	N751	N752	1110.10	1110.10	243.00	2.00	0.00	-1.44	-1.41	5.88	19.52	0.60	-9E+99	0.23	0.72	20.18	10.09
	1728.1	N752	B6-374	1110.10	1123.00	61.43	4.00	-0.21	-9.13	-117.19	9.39	120.44	1.02	-9E+99	52.38	658.25	18.05	4.51
	1728.2	N752	B6-374	1110.10	1123.00	61.43	2.50	-0.21	-6.64	-33.81	6.85	34.90	0.64	-9E+99	38.29	187.96	18.05	7.22
	1782.3	N752	B6-374	1110.10	1123.00	61.43	2.00	-0.21	-5.72	-18.81	5.90	19.43	0.51	-9E+99	33.00	103.67	18.05	9.03
	PPL6	SB1-10	SB4-66	1200.23	1192.35	667.91	1.75	0.01	0.00	0.00	6.82	9.13	0.47	-9E+99	7.16	17.21	3.59	2.05
	PPL5	SB1-11	SB1-10	1203.27	1200.23	576.43	1.75	0.01	0.00	0.00	5.12	9.15	0.52	-9E+99	4.78	11.51	1.27	0.73
	PPL4	SB1-12	SB1-11	1204.91	1203.27	303.40	1.75	0.01	0.00	0.00	5.29	9.14	0.51	-9E+99	4.84	11.65	1.27	0.73
	PPL2	SB1-14	SB1-13	1209.55	1206.98	487.21	1.75	0.01	0.00	0.00	5.11	7.60	0.48	-9E+99	4.78	11.51	1.04	0.59
	PPL1	SB1-15	SB1-14	1210.56	1209.55	175.06	1.75	0.01	0.00	0.00	0.01	0.00	0.44	-9E+99	5.00	12.04	1.04	0.59
	PPL15	SB4-58	SB4-57	1179.80	1177.99	864.38	2.50	0.00	0.00	0.00	4.39	18.27	0.76	-9E+99	3.82	18.77	6.72	2.69
	PPL14	SB4-59	SB4-58	1181.39	1179.80	721.60	2.50	0.00	0.00	0.00	4.38	17.74	0.76	-9E+99	3.92	19.25	6.49	2.60
	PPL13	SB4-60	SB4-59	1182.52	1181.39	500.00	2.50	0.00	0.00	0.00	4.45	17.58	0.76	-9E+99	3.97	19.50	6.17	2.47
	PPL12	SB4-61	SB4-60	1183.76	1182.52	554.88	2.50	0.00	0.00	0.00	4.46	17.44	0.76	-9E+99	3.95	19.39	5.92	2.37
	PPL11	SB4-62	SB4-61	1184.07	1183.76	123.54	2.50	0.00	-0.48	-0.24	4.19	15.69	0.76	-9E+99	4.19	20.55	5.66	2.26
	PPL10	SB4-63	SB4-62	1184.92	1184.07	444.83	2.50	0.00	0.00	0.00	4.14	15.69	0.76	-9E+99	3.65	17.93	5.53	2.21
	PPL9	SB4-64	SB4-63	1186.39	1184.92	444.83	2.25	0.00	0.00	0.00	4.82	15.05	0.68	-9E+99	4.48	17.80	5.31	2.36
	PPL8	SB4-65	SB4-64	1188.45	1186.39	746.31	2.25	0.00	0.00	0.00	4.63	14.69	0.68	-9E+99	4.09	16.27	4.87	2.16
	PPL7	SB4-66	SB4-65	1192.35	1188.45	843.87	2.00	0.00	0.00	0.00	5.43	13.72	0.60	-9E+99	4.90	15.38	4.45	2.22
	PPL3	SB1-13	SB1-12	1206.98	1204.91	387.56	1.75	0.01	0.00	0.00	5.04	7.60	0.49	-9E+99	4.81	11.58	1.17	0.67
	1780.1	B5-139-2	B5-139-3	1137.70	1125.40	29.00	2.50	0.42	-1.08	-5.44	9.67	23.84	0.75	-9E+99	54.42	267.13	16.44	6.57
	1780.2	B5-139-2	B5-139-3	1138.27	1125.97	29.00	1.75	0.42	-0.99	-2.49	4.76	-7.31	0.45	-9E+99	42.90	103.19	15.87	9.07
	1780.3	B5-139-2	B5-139-3	1138.00	1125.70	29.00	3.00	0.42	0.00	0.00	8.29	51.22	0.90	-9E+99	61.45	434.38	16.14	5.38
	1781.1	B5-139-3	B5-139-4	1125.40	1125.40	175.00	3.00	0.00	0.00	0.00	2.58	18.76	0.91	-9E+99	0.30	2.11	16.44	5.48

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
	1781.2	B5-139-3	B5-139-4	1125.97	1125.97	175.00	1.75	0.00	0.00	0.00	1.81	4.57	0.53	-9E+99	0.21	0.50	15.87	9.07
	1781.3	B5-139-3	B5-139-4	1125.70	1125.70	175.00	3.00	0.00	0.00	0.00	2.58	18.75	0.91	-9E+99	0.30	2.11	16.14	5.38
	1782.1	B5-139-4	B5-139-5	1125.40	1136.70	29.00	2.50	-0.39	-2.55	-12.87	2.75	13.93	0.64	-9E+99	52.16	256.04	16.28	6.51
	1782.2	B5-139-4	B5-139-5	1125.97	1136.55	29.00	1.75	-0.36	-2.01	-5.03	2.17	5.45	0.45	-9E+99	39.79	95.71	15.71	8.98
	1782.4	B5-139-4	B5-139-5	1125.70	1136.80	29.00	3.00	-0.38	-2.90	-21.01	3.11	22.51	0.77	-9E+99	58.38	412.65	15.98	5.33
	L803	B5-139-5	B5-517	1136.55	1136.47	105.00	4.00	0.00	0.00	0.00	4.76	41.93	1.32	-9E+99	3.16	39.65	5.13	1.28
Middle & West O	LON6	A4-81	A4-80	1139.85	1139.90	600.00	3.00	0.00	-0.56	-3.90	3.07	12.21	0.91	-9E+99	0.86	6.09	2.85	0.95
Middle & West O	LON5	A4-134	A4-81	1140.20	1139.85	418.00	3.00	0.00	0.00	0.00	2.17	7.67	0.91	-9E+99	2.73	19.30	2.86	0.96
Middle & West O	LON4	A4-135	A4-134	1140.66	1140.20	420.00	3.00	0.00	0.00	0.00	2.32	6.21	0.89	-9E+99	3.12	22.07	2.53	0.84
Middle & West O	LON3	A4-136	A4-135	1141.12	1140.66	419.82	3.00	0.00	0.00	0.00	2.45	5.40	0.80	-9E+99	3.12	22.08	2.08	0.69
Middle & West O	LON2	A4-137	A4-136	1141.68	1141.12	510.18	3.00	0.00	0.00	0.00	2.50	5.05	0.66	-9E+99	3.13	22.10	1.65	0.55
Middle & West O	LON7	A4-80	A4-79	1138.90	1138.10	500.00	3.00	0.00	0.00	0.00	3.07	11.26	0.90	-9E+99	3.77	26.68	4.58	1.53
Middle & West O	LON8	A4-79	A4-78	1138.10	1137.30	500.00	3.00	0.00	0.00	0.00	2.86	8.70	0.90	-9E+99	3.77	26.68	5.36	1.79
Middle & West O	LON9	A4-78	A4-77	1137.30	1136.50	500.00	3.00	0.00	0.00	0.00	2.85	5.37	0.90	-9E+99	3.77	26.68	6.15	2.05
Middle & West O	LON10	A4-77	A4-76	1136.50	1135.70	500.00	3.00	0.00	0.00	0.00	2.85	4.77	0.90	-9E+99	3.77	26.68	6.93	2.31
Middle & West O	LON11	A4-76	A4-75	1135.70	1134.88	500.00	3.00	0.00	0.00	0.00	2.86	4.73	0.90	-9E+99	3.82	27.01	7.73	2.58
Middle & West O	LLN11	A4-65	A5-129	1126.99	1126.18	360.00	1.00	0.00	0.00	0.00	3.67	3.06	0.30	-9E+99	2.15	1.69	13.55	13.55
Middle & West O	LLN10	A4-66	A4-65	1127.88	1126.99	413.90	1.00	0.00	0.00	0.00	3.67	3.10	0.30	-9E+99	2.10	1.65	14.61	14.61
Middle & West O	LLN9	A4-67	A4-66	1128.68	1127.88	500.10	3.00	0.00	0.00	0.00	2.18	3.24	0.90	-9E+99	3.77	26.68	14.61	4.87
Middle & West O	LLN8	A4-68	A4-67	1129.38	1128.68	436.00	3.00	0.00	0.00	0.00	2.27	3.30	0.90	-9E+99	3.78	26.73	13.82	4.61
Middle & West O	LLN7	A4-69	A4-68	1129.91	1129.38	330.00	3.00	0.00	0.00	0.00	2.34	4.26	0.90	-9E+99	3.78	26.73	13.12	4.37
Middle & West O	LLN6	A4-70	A4-69	1130.76	1129.91	534.00	3.00	0.00	0.00	0.00	2.50	4.46	0.90	-9E+99	3.76	26.61	12.60	4.20
Middle & West O	LLN5	A4-71	A4-70	1131.39	1130.76	393.00	3.00	0.00	0.00	0.00	2.61	4.46	0.90	-9E+99	3.78	26.70	11.77	3.92
Middle & West O	LLN4	A4-72	A4-71	1132.24	1131.39	528.90	3.00	0.00	0.00	0.00	2.67	4.46	0.90	-9E+99	3.78	26.74	11.15	3.72
Middle & West O	LLN3	A4-73	A4-72	1133.10	1132.24	539.70	3.00	0.00	0.00	0.00	2.74	4.46	0.90	-9E+99	3.77	26.62	10.32	3.44
Middle & West O	LLN2	A4-74	A4-73	1134.02	1133.10	574.40	3.00	0.00	0.00	0.00	2.80	4.59	0.90	-9E+99	3.78	26.69	9.48	3.16
Middle & West O	LLN1	A4-75	A4-74	1134.88	1134.02	540.00	3.00	0.00	0.00	0.00	2.82	4.68	0.90	-9E+99	3.77	26.62	8.58	2.86
Middle & West O	LON1	AA4-3	A4-137	1142.23	1141.68	508.79	3.00	0.00	0.00	0.00	2.51	4.99	0.56	-9E+99	3.10	21.93	1.21	0.40
Middle & West O	LPP90	AA4-28	AA4-29	1143.89	1143.36	652.00	3.00	0.00	0.00	0.00	2.22	5.00	0.59	-9E+99	2.69	19.02	1.10	0.37
Middle & West O	LPP81	AA4-18	AA4-20	1147.08	1146.74	420.00	3.00	0.00	0.00	0.00	2.31	5.00	0.57	-9E+99	2.68	18.98	1.04	0.35
Middle & West O	LPP82	AA4-20	AA4-21	1146.74	1146.44	380.00	3.00	0.00	0.00	0.00	2.54	5.00	0.54	-9E+99	2.65	18.74	1.00	0.33
Middle & West O	LPP83	AA4-21	AA4-22	1146.44	1144.11	409.00	3.00	0.01	0.00	0.00	3.85	5.00	0.44	-9E+99	7.12	50.34	2.74	0.91
Middle & West O	LPP84	AA4-22	AA4-23	1144.11	1145.55	700.00	3.00	0.00	-0.64	-3.89	0.79	5.00	0.88	-9E+99	4.28	30.25	2.68	0.89
Middle & West O	LPP85	AA4-23	AA4-24	1145.55	1145.55	541.00	3.00	0.00	0.00	0.00	1.89	5.00	0.64	-9E+99	0.30	2.11	1.24	0.41
Middle & West O	LPP86	AA4-24	AA4-25	1145.55	1144.86	327.00	3.00	0.00	0.00	0.00	2.93	5.00	0.50	-9E+99	4.33	30.64	1.05	0.35
Middle & West O	LPP87	AA4-25	AA4-26	1144.86	1144.55	380.00	3.00	0.00	0.00	0.00	2.26	5.00	0.58	-9E+99	2.70	19.05	1.06	0.35
Middle & West O	LPP88	AA4-26	AA4-27	1144.55	1144.39	200.00	3.00	0.00	0.00	0.00	2.24	5.00	0.58	-9E+99	2.67	18.87	1.06	0.35
Middle & West O	LPP89	AA4-27	AA4-28	1144.39	1143.89	635.00	3.00	0.00	0.00	0.00	2.24	5.00	0.58	-9E+99	2.65	18.72	1.06	0.35
Middle & West O	LPP91	AA4-29	AA4-30	1143.36	1143.20	206.00	3.00	0.00	0.00	0.00	2.13	5.00	0.60	-9E+99	2.63	18.59	1.12	0.37
Middle & West O	LPP92	AA4-30	AA4-31	1143.20	1142.84	650.00	3.00	0.00	0.00	0.00	2.11	5.00	0.60	-9E+99	2.22	15.70	1.12	0.37
Middle & West O	LPP95	AA4-33	AA4-3	1142.26	1142.23	11.12	3.00	0.00	0.00	0.00	2.58	4.99	0.55	-9E+99	4.90	34.64	1.00	0.33
Middle & West O	LPP93	AA4-31	AA4-32	1142.84	1142.34	444.00	3.00	0.00	0.00	0.00	2.54	4.99	0.54	-9E+99	3.17	22.38	0.98	0.33
Middle & West O	LPP94	AA4-32	AA4-33	1142.34	1142.26	83.35	3.00	0.00	0.00	0.00	2.53	4.99	0.55	-9E+99	2.92	20.66	0.98	0.33
Middle & West O	LPP80	AA4-17	AA4-18	1147.28	1147.08	50.00	3.00	0.00	0.00	0.00	4.01	5.00	0.51	-9E+99	5.97	42.18	1.04	0.35

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Middle & West O	LCN12	A4-41	A4-42	1142.70	1141.49	449.40	1.75	0.00	0.00	0.00	3.11	2.90	0.38	-9E+99	3.42	8.22	0.73	0.42
Middle & West O	LCN13	A4-42	A4-43	1141.49	1140.94	213.40	1.75	0.00	0.00	0.00	3.04	2.90	0.39	-9E+99	3.34	8.04	0.76	0.43
Middle & West O	LCN14	A4-43	A4-172	1140.94	1140.38	232.30	1.75	0.00	0.00	0.00	2.93	2.90	0.40	-9E+99	3.23	7.78	0.84	0.48
Middle & West O	LCN15	A4-21	LSTA	1131.00	1142.75	49.72	1.75	-0.24	-1.14	-2.91	3.49	4.14	0.45	-9E+99	32.02	77.03	19.37	11.07
Middle & West O	LCN10	A4-20	A4-21	1131.68	1131.00	591.37	1.75	0.00	-0.51	-1.23	2.23	4.16	0.52	-9E+99	2.23	5.37	19.39	11.08
Middle & West O	LCN9	A4-19	A4-20	1131.84	1131.68	77.96	1.75	0.00	-0.50	-1.22	2.98	4.19	0.53	-9E+99	2.98	7.18	18.89	10.79
Middle & West O	LCN8	A4-18	A4-19	1132.93	1131.84	546.67	1.75	0.00	-0.41	-0.97	3.11	4.53	0.50	-9E+99	2.94	7.08	18.75	10.72
Middle & West O	LCN7	A4-17	A4-18	1134.08	1132.93	575.00	1.75	0.00	-0.46	-1.10	3.13	4.57	0.50	-9E+99	2.95	7.09	17.86	10.20
Middle & West O	LCN6	A4-16	A4-17	1135.23	1134.08	575.00	1.75	0.00	-0.31	-0.74	3.13	4.60	0.52	-9E+99	2.95	7.09	16.93	9.67
Middle & West O	LCN5	A4-15	A4-16	1136.13	1135.23	500.00	1.75	0.00	-0.08	-0.19	3.02	4.59	0.52	-9E+99	2.79	6.72	16.02	9.15
Middle & West O	LCN4	A4-14	A4-15	1137.06	1136.13	411.96	1.75	0.00	-0.10	-0.24	3.28	4.66	0.52	-9E+99	3.13	7.53	15.36	8.78
Middle & West O	LCN3	A4-13	A4-14	1138.03	1137.06	488.04	1.75	0.00	0.00	0.00	3.14	4.69	0.52	-9E+99	2.94	7.06	14.66	8.38
Middle & West O	LCN1	A4-82	A4-164	1139.70	1138.83	407.00	1.75	0.00	0.00	0.00	3.28	6.00	0.51	-9E+99	3.05	7.33	13.49	7.71
Middle & West O	1894.1	LSTA	A4-206	1142.75	1142.75	25.43	1.75	0.00	0.00	0.00	0.00	2.90	0.00	-9E+99	0.00	0.00	-9.00E+99	0.00
Middle & West O	C-9	LSTA	A4-206	1142.75	1142.75	25.43	1.75	0.00	0.00	0.00	0.00	2.90	0.00	-9E+99	0.00	0.00	-9.00E+99	0.00
Middle & West O	LCN11	A4-206	A4-41	1142.75	1142.70	1084.27	1.00	0.00	0.00	0.00	3.63	2.90	0.29	-9E+99	0.31	0.24	7.95	7.95
Middle & West O	LCN2	A4-164	A4-13	1138.83	1138.03	400.00	1.75	0.00	0.00	0.00	3.17	5.12	0.52	-9E+99	2.95	7.09	13.99	7.99
Middle & West O	LND2	B5-54	B5-56	1139.07	1137.10	407.00	1.00	0.00	0.00	0.00	3.24	1.39	0.26	-9E+99	3.16	2.48	0.60	0.60
Middle & West O	LND1	B5-52	B5-54	1140.30	1139.07	416.00	1.00	0.00	0.00	0.00	2.60	1.36	0.28	-9E+99	2.47	1.94	0.64	0.64
Middle & West O	LND4	B5-56	B5-615	1137.10	1134.78	407.00	1.00	0.01	0.00	0.00	3.43	1.37	0.27	-9E+99	3.42	2.69	1.92	1.92
Middle & West O	LND3	B5-615	B5-616	1134.78	1126.61	20.00	1.00	0.41	1.70	1.35	10.34	3.58	0.30	-9E+99	28.99	22.77	10.06	10.06
Middle & West O	LST2	A5-43	B5-52	1142.23	1140.30	470.00	1.00	0.00	0.00	0.00	3.05	1.43	0.27	-9E+99	2.91	2.28	0.64	0.64
Middle & West O	LST1	A5-42	A5-43	1142.42	1142.23	57.00	1.00	0.00	0.00	0.00	3.11	1.34	0.28	-9E+99	2.62	2.06	0.60	0.60
Middle & West O	3180.1	LSTA2	N1474	0.05	0.00	10.00	0.05	0.01	0.00	0.00	0.00	2.60	0.00	-9E+99	0.00	0.00	-9.00E+99	0.00
Middle & West O	C-8	LSTA2	N1474	0.05	0.00	10.00	0.05	0.01	0.00	0.00	0.00	2.60	0.00	-9E+99	0.00	0.00	-9.00E+99	0.00
Middle & West O	LST5	A5-141	LSTA2	1125.43	1125.00	79.20	1.00	0.01	0.00	0.00	3.91	3.05	0.30	-9E+99	3.34	2.63	11.81	11.81
Middle & West O	LST4	A5-129	A5-141	1126.18	1125.43	340.00	1.00	0.00	0.00	0.00	3.69	3.06	0.30	-9E+99	2.13	1.67	12.65	12.65
Oak Creek	LIN58	BB7-27	BB7-2	1173.22	1172.35	160.00	1.75	0.01	0.00	0.00	4.37	4.10	0.38	-9E+99	4.86	11.68	0.74	0.42
Oak Creek	LIN61	BB7-2	BB7-1	1172.35	1168.75	270.00	1.75	0.01	0.00	0.00	5.88	4.10	0.32	-9E+99	7.61	18.30	0.77	0.44
Oak Creek	LIN57	BB7-3	BB7-27	1176.02	1173.22	110.00	1.75	0.03	0.00	0.00	7.14	4.10	0.29	-9E+99	10.51	25.28	0.74	0.42
Oak Creek	LIN66	BB7-4	BB7-3	1180.00	1176.02	265.00	1.75	0.02	0.00	0.00	6.08	4.10	0.32	-9E+99	8.07	19.42	0.58	0.33
Oak Creek	LIN65	BB7-5	BB7-4	1184.00	1180.00	225.00	1.75	0.02	0.00	0.00	6.70	4.10	0.30	-9E+99	8.78	21.13	0.58	0.33
Oak Creek	LIN59	BB7-11	BB7-10	1193.00	1191.89	369.00	1.75	0.00	0.00	0.00	3.56	4.10	0.43	-9E+99	3.61	8.69	0.85	0.49
Oak Creek	LIN60	BB7-10	BB7-9	1191.89	1190.79	370.00	1.75	0.00	0.00	0.00	3.54	4.10	0.43	-9E+99	3.59	8.64	0.85	0.49
Oak Creek	LIN67	BB7-9	BB7-8	1190.79	1189.70	362.00	1.75	0.00	0.00	0.00	3.56	4.10	0.43	-9E+99	3.61	8.69	0.85	0.49
Oak Creek	LIN62	BB7-8	BB7-7	1189.70	1188.85	283.00	1.75	0.00	0.00	0.00	3.51	4.10	0.43	-9E+99	3.61	8.68	0.90	0.51
Oak Creek	LIN63	BB7-7	BB7-6	1188.85	1188.00	285.00	1.75	0.00	0.00	0.00	3.47	4.10	0.43	-9E+99	3.60	8.65	0.90	0.51
Oak Creek	LIN64	BB7-6	BB7-5	1188.00	1184.00	225.00	1.75	0.02	0.00	0.00	6.79	4.10	0.30	-9E+99	8.78	21.13	0.52	0.30
Oak Creek	LIN103	BB7-1	AA7-279	1168.75	1167.57	350.00	2.00	0.00	0.00	0.00	3.65	4.10	0.42	-9E+99	4.18	13.14	0.82	0.41
Oak Creek	LIN5	AA7-6	AA7-5	1149.49	1148.58	850.00	2.50	0.00	0.00	0.00	2.98	15.24	0.76	-9E+99	2.73	13.42	2.82	1.13
Oak Creek	LIN7	AA7-5	AA7-4	1148.58	1148.20	850.00	2.50	0.00	0.00	0.00	3.10	15.24	0.75	-9E+99	1.77	8.67	2.64	1.06
Oak Creek	LIN6	AA7-2	AA7-298	1147.60	1146.68	65.00	2.50	0.01	0.00	0.00	8.14	15.24	0.54	-9E+99	9.94	48.80	1.17	0.47
Oak Creek	LIN9	AA7-4	AA7-3	1148.20	1147.83	100.00	2.50	0.00	0.00	0.00	3.93	15.24	0.75	-9E+99	5.08	24.95	2.06	0.83
Oak Creek	LIN8	AA7-3	AA7-2	1147.83	1147.60	500.00	2.50	0.00	0.00	0.00	3.74	15.24	0.74	-9E+99	1.79	8.80	2.06	0.83

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Oak Creek	LIN16	AA7-298	AA6-68	1146.68	1143.79	572.00	3.00	0.01	0.00	0.00	5.37	15.24	0.66	-9E+99	6.71	47.41	2.14	0.71
Oak Creek	LIN11	AA7-15	AA7-14	1149.19	1149.21	242.00	2.25	0.00	-3.78	-15.21	3.79	15.24	0.68	-9E+99	0.71	2.82	6.76	3.00
Oak Creek	LIN4	AA7-14	AA7-13	1149.21	1148.99	577.00	2.25	0.00	0.00	0.00	3.79	15.24	0.68	-9E+99	1.52	6.05	6.19	2.75
Oak Creek	LIN12	AA7-13	AA7-10	1148.99	1149.02	265.00	2.25	0.00	-3.80	-15.21	3.80	15.24	0.68	-9E+99	0.83	3.30	5.01	2.22
Oak Creek	LIN13	AA7-10	AA7-9	1149.02	1148.94	179.00	2.25	0.00	0.00	0.00	3.81	15.24	0.68	-9E+99	1.65	6.55	4.37	1.94
Oak Creek	LIN14	AA7-9	AA7-7	1148.94	1148.91	118.00	2.25	0.00	0.00	0.00	3.81	15.24	0.68	-9E+99	1.24	4.94	4.02	1.79
Oak Creek	LIN15	AA7-7	AA7-6	1148.91	1149.49	155.00	2.25	0.00	-3.81	-15.21	3.82	15.24	0.67	-9E+99	4.76	18.94	3.40	1.51
Oak Creek	LIN10	AA7-16	AA7-15	1149.94	1149.19	852.00	2.25	0.00	0.00	0.00	3.77	15.24	0.68	-9E+99	2.31	9.19	8.03	3.57
Oak Creek	LIN19	A9-114	A9-113	1186.23	1185.60	525.00	1.50	0.00	0.00	0.00	2.54	4.50	0.46	-9E+99	2.06	3.64	1.83	1.22
Oak Creek	LIN17	A8-280	A8-279	1185.04	1184.82	120.00	1.50	0.00	0.00	0.00	2.65	4.50	0.46	-9E+99	2.55	4.50	1.43	0.95
Oak Creek	LIN18	A9-113	A8-280	1185.60	1185.12	400.00	1.50	0.00	0.00	0.00	2.58	4.50	0.46	-9E+99	2.06	3.64	1.55	1.03
Oak Creek	LIN43	A6-197	A6-196	1137.61	1137.17	530.00	4.00	0.00	0.00	0.00	3.29	19.81	0.98	-9E+99	3.29	41.39	1.94	0.48
Oak Creek	LIN44	A6-196	A6-195	1137.17	1136.56	630.00	4.00	0.00	0.00	0.00	3.31	19.81	0.98	-9E+99	3.56	44.70	2.00	0.50
Oak Creek	LIN45	A6-195	A6-194	1136.56	1136.24	530.00	4.00	0.00	-0.71	-0.71	3.20	19.81	0.99	-9E+99	2.81	35.30	2.00	0.50
Oak Creek	LIN48	A6-194	A6-193	1136.24	1135.28	479.00	4.00	0.00	0.00	0.00	4.19	24.40	0.96	-9E+99	5.12	64.31	2.23	0.56
Oak Creek	LIN52	A6-191	A6-190	1134.71	1134.36	393.00	4.50	0.00	0.00	0.00	3.08	24.40	1.13	-9E+99	3.69	58.69	2.36	0.52
Oak Creek	LIN46	A6-189	A6-188	1134.11	1133.79	515.00	4.50	0.00	0.00	0.00	2.94	24.50	1.17	-9E+99	3.08	49.02	2.38	0.53
Oak Creek	LIN47	A6-188	B6-326	1133.79	1133.49	514.00	4.50	0.00	0.00	0.00	2.87	24.50	1.19	-9E+99	2.99	47.51	2.42	0.54
Oak Creek	LIN49	A6-193	A6-192	1135.28	1134.98	379.00	4.50	0.00	0.00	0.00	3.10	24.40	1.13	-9E+99	3.48	55.33	2.30	0.51
Oak Creek	LIN50	A6-192	A6-191	1134.98	1134.71	546.00	4.50	0.00	0.00	0.00	3.00	24.40	1.15	-9E+99	2.75	43.73	2.30	0.51
Oak Creek	LIN51	A6-190	A6-189	1134.36	1134.11	501.00	4.50	0.00	0.00	0.00	2.91	24.50	1.18	-9E+99	2.76	43.93	2.36	0.52
Oak Creek	LIN53	A6-198	A6-197	1138.15	1137.61	671.00	4.00	0.00	0.00	0.00	3.15	18.82	0.97	-9E+99	3.24	40.75	1.94	0.48
Oak Creek	LIN54	A6-171	LIFTSTA	1137.82	1137.72	39.00	1.75	0.00	0.00	0.00	0.00	0.00	0.22	-9E+99	3.34	8.02	0.37	0.21
Oak Creek	LIN56	LIFTSTA	A6-7	1137.72	1136.30	568.00	1.00	0.00	0.01	0.00	0.02	-0.02	0.25	-9E+99	2.27	1.78	1.79	1.79
Oak Creek	LIN55	A6-7	A6-194	1136.30	1136.24	25.00	1.00	0.00	0.00	0.00	0.79	-0.86	0.30	-9E+99	2.22	1.75	1.85	1.85
Oak Creek	LIN68	AA7-270	AA7-269	1157.90	1156.01	240.00	2.50	0.01	0.00	0.00	4.97	6.28	0.75	-9E+99	7.42	36.40	9.60	3.84
Oak Creek	LIN69	AA7-269	AA7-268	1156.01	1155.06	400.00	3.00	0.00	0.00	0.00	3.28	6.28	0.90	-9E+99	4.60	32.50	10.52	3.51
Oak Creek	LIN70	AA7-268	AA7-267	1155.06	1154.16	386.00	3.00	0.00	0.00	0.00	3.03	6.28	0.90	-9E+99	4.56	32.21	11.39	3.80
Oak Creek	LIN72	AA7-267	AA7-26	1154.16	1152.35	274.00	1.75	0.01	0.00	0.00	3.43	6.28	0.52	-9E+99	5.35	12.88	12.84	7.34
Oak Creek	LIN71	AA7-271	AA7-270	1159.26	1157.90	240.00	2.50	0.01	0.00	0.00	4.50	6.28	0.75	-9E+99	6.29	30.88	7.76	3.11
Oak Creek	LIN73	AA7-226	AA7-225	1155.84	1155.42	205.00	1.50	0.00	0.00	0.00	3.41	5.28	0.46	-9E+99	2.69	4.75	11.83	7.89
Oak Creek	LIN86	AA7-26	AA7-25	1152.35	1152.05	277.00	1.75	0.00	0.00	0.00	3.27	8.17	0.53	-9E+99	2.17	5.21	12.84	7.34
Oak Creek	LIN74	AA7-225	AA7-195	1155.42	1155.32	189.00	1.50	0.00	0.00	0.00	2.79	5.06	0.45	-9E+99	1.37	2.42	11.83	7.89
Oak Creek	LIN75	AA7-195	AA7-194	1155.32	1155.01	226.00	1.50	0.00	0.00	0.00	2.83	4.69	0.46	-9E+99	2.20	3.89	11.58	7.72
Oak Creek	LIN76	AA7-194	AA7-148	1155.01	1154.76	178.00	1.50	0.00	0.00	0.00	2.85	4.24	0.46	-9E+99	2.23	3.94	11.50	7.67
Oak Creek	LIN77	AA7-148	AA7-137	1154.76	1154.42	217.00	1.50	0.00	0.00	0.00	2.83	4.21	0.46	-9E+99	2.35	4.16	11.54	7.69
Oak Creek	LIN78	AA7-137	AA7-136	1154.42	1154.25	125.00	1.50	0.00	0.00	0.00	2.71	4.02	0.46	-9E+99	2.19	3.87	11.60	7.73
Oak Creek	LIN79	AA7-136	AA7-135	1154.25	1154.14	143.00	1.50	0.00	0.00	0.00	2.49	4.00	0.46	-9E+99	1.65	2.91	11.61	7.74
Oak Creek	LIN80	AA7-135	AA7-117	1154.14	1154.26	202.00	1.50	0.00	-1.41	-2.59	2.42	3.98	0.45	-9E+99	1.45	2.56	11.50	7.67
Oak Creek	LIN81	AA7-117	AA7-116	1154.26	1153.64	177.00	1.50	0.00	0.00	0.00	3.42	3.96	0.45	-9E+99	3.52	6.22	11.91	7.94
Oak Creek	LIN82	AA7-116	AA7-107	1153.64	1153.31	235.00	1.50	0.00	0.00	0.00	2.65	3.90	0.46	-9E+99	2.23	3.94	12.13	8.09
Oak Creek	LIN83	AA7-107	AA7-106	1153.31	1153.07	192.00	1.50	0.00	0.00	0.00	2.62	3.82	0.46	-9E+99	2.10	3.71	12.28	8.19
Oak Creek	LIN85	AA7-106	AA7-91	1153.07	1152.76	201.00	1.50	0.00	0.00	0.00	2.65	3.69	0.46	-9E+99	2.33	4.13	12.51	8.34
Oak Creek	LIN84	AA7-91	AA7-26	1152.76	1152.35	285.00	1.50	0.00	-0.44	-0.24	2.29	3.50	0.46	-9E+99	2.25	3.98	12.84	8.56

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Oak Creek	LIN111	AA7-24	AA7-23	1151.74	1151.89	31.44	1.50	0.00	-3.22	-5.94	3.23	5.96	0.45	-9E+99	4.11	7.26	11.91	7.94
Oak Creek	L1515	AA7-24	N1478	1151.74	1136.74	15.00	0.67	1.00	0.00	0.00	14.03	2.44	0.20	-9E+99	34.63	12.10	26.66	39.97
Oak Creek	LIN88	AA7-21	AA7-16	1150.26	1149.94	260.00	2.25	0.00	0.00	0.00	3.77	15.24	0.68	-9E+99	2.73	10.87	8.32	3.70
Oak Creek	LIN87	AA7-25	AA7-24	1152.05	1151.74	316.00	1.75	0.00	0.00	0.00	3.28	8.20	0.53	-9E+99	2.06	4.96	12.46	7.12
Oak Creek	LIN89	AA7-93	AA7-21	1150.75	1150.26	309.00	1.75	0.00	-0.65	-0.57	2.66	6.54	0.52	-9E+99	2.62	6.31	8.33	4.76
Oak Creek	LIN90	AA7-104	AA7-93	1151.13	1150.75	400.00	1.75	0.00	-0.33	-0.17	2.65	6.54	0.53	-9E+99	2.03	4.88	8.59	4.91
Oak Creek	LIN91	AA7-115	AA7-104	1151.67	1151.13	400.00	1.75	0.00	0.00	0.00	2.65	6.54	0.52	-9E+99	2.42	5.82	8.69	4.96
Oak Creek	LIN92	AA7-139	AA7-115	1152.02	1151.67	336.00	1.75	0.00	0.00	0.00	2.65	6.54	0.53	-9E+99	2.13	5.11	8.87	5.07
Oak Creek	LIN93	AA7-146	AA7-139	1152.36	1152.02	344.00	1.75	0.00	0.00	0.00	2.65	6.54	0.53	-9E+99	2.07	4.98	9.09	5.19
Oak Creek	L1518	AA7-23	N1482	1151.89	1136.89	15.00	1.00	1.00	0.00	0.00	21.79	9.14	0.30	-9E+99	45.36	35.63	26.11	26.11
Oak Creek	LIN109	AA7-22	AA7-21	1149.76	1150.26	30.08	1.00	-0.02	-6.99	-5.78	7.21	5.95	0.28	-9E+99	5.85	4.59	9.03	9.03
Oak Creek	LIN112	AA7-303	AA7-23	1152.80	1151.89	591.00	1.50	0.00	0.05	0.10	0.06	-1.04	0.42	-9E+99	2.33	4.12	11.76	7.84
Oak Creek	LIN113	AA7-272	AA7-271	1160.70	1159.26	232.00	2.00	0.01	0.00	0.00	4.25	4.08	0.60	-9E+99	5.67	17.82	6.46	3.23
Oak Creek	LIN104	AA7-273	AA7-272	1162.06	1160.70	328.00	2.00	0.00	0.00	0.00	3.68	4.08	0.60	-9E+99	4.64	14.57	5.09	2.54
Oak Creek	LIN105	AA7-274	AA7-273	1163.44	1162.06	333.00	2.00	0.00	0.00	0.00	3.78	4.08	0.60	-9E+99	4.64	14.56	3.83	1.92
Oak Creek	LIN98	AA7-275	AA7-274	1164.51	1163.44	258.00	2.00	0.00	0.00	0.00	3.79	4.08	0.60	-9E+99	4.64	14.57	2.56	1.28
Oak Creek	LIN99	AA7-276	AA7-275	1165.26	1164.51	284.00	2.00	0.00	0.00	0.00	3.24	4.09	0.52	-9E+99	3.70	11.63	1.56	0.78
Oak Creek	LIN100	AA7-277	AA7-276	1166.08	1165.26	306.00	2.00	0.00	0.00	0.00	3.32	4.10	0.45	-9E+99	3.73	11.71	1.02	0.51
Oak Creek	LIN101	AA7-278	AA7-277	1166.86	1166.08	294.00	2.00	0.00	0.00	0.00	3.37	4.10	0.44	-9E+99	3.71	11.65	0.84	0.42
Oak Creek	LIN102	AA7-279	AA7-278	1167.57	1166.86	270.00	2.00	0.00	0.00	0.00	3.37	4.10	0.44	-9E+99	3.69	11.60	0.82	0.41
Oak Creek	LIN97	AA7-301	AA7-300	1156.92	1156.70	570.00	2.50	0.00	0.00	0.00	2.28	8.15	0.76	-9E+99	1.64	8.06	13.26	5.30
Oak Creek	LIN96	AA7-300	AA7-299	1156.70	1154.10	20.00	1.50	0.13	0.00	0.00	8.47	7.53	0.45	-9E+99	21.43	37.87	15.78	10.52
Oak Creek	LIN106	AA7-299	AA7-244	1154.10	1153.94	40.00	1.25	0.00	-0.48	-0.11	4.80	6.32	0.38	-9E+99	3.33	4.09	15.78	12.62
Oak Creek	LIN95	AA7-224	AA7-193	1153.63	1152.73	433.00	1.25	0.00	0.00	0.00	5.05	6.54	0.38	-9E+99	2.40	2.95	12.43	9.95
Oak Creek	LIN94	AA7-193	AA7-146	1152.73	1152.36	369.00	1.75	0.00	0.00	0.00	2.65	6.54	0.53	-9E+99	2.09	5.02	9.31	5.32
Oak Creek	LIN107	AA7-244	AA7-224	1153.94	1153.63	386.00	1.25	0.00	0.00	0.00	4.98	6.54	0.38	-9E+99	1.49	1.83	15.60	12.48
Oak Creek	LIN38	A7-150	A6-122	1151.65	1150.22	110.00	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	8.21	25.79	0.00	0.00
Oak Creek	LIN1	A7-151	A7-150	1151.69	1151.65	41.40	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.24	7.03	0.00	0.00
Oak Creek	LIN2	A7-171	A7-151	1151.99	1151.69	229.33	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.60	8.18	0.00	0.00
Oak Creek	LIN3	A7-170	A7-171	1153.70	1151.99	229.34	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	6.22	19.53	0.00	0.00
Oak Creek	LIN20	AA6-66	A6-233	1143.23	1142.68	571.00	4.00	0.00	0.00	0.00	2.85	15.24	0.92	-9E+99	3.55	44.58	1.94	0.48
Oak Creek	LIN21	AA6-67	AA6-66	1143.52	1143.23	426.00	4.00	0.00	0.00	0.00	2.86	15.24	0.92	-9E+99	2.98	37.48	1.76	0.44
Oak Creek	LIN22	AA6-68	AA6-67	1143.79	1143.52	724.00	3.00	0.00	0.00	0.00	2.88	15.24	0.89	-9E+99	1.82	12.88	2.14	0.71
Oak Creek	LIN30	A6-200	A6-199	1139.37	1138.90	604.00	4.00	0.00	0.00	0.00	3.25	18.82	0.96	-9E+99	3.19	40.07	1.89	0.47
Oak Creek	LIN23	A6-122	A6-121	1150.22	1148.64	450.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.27	13.40	0.00	0.00
Oak Creek	LIN24	A6-121	A6-120	1148.64	1147.07	450.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.25	13.36	0.00	0.00
Oak Creek	LIN25	A6-120	A6-119	1147.07	1145.49	450.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.27	13.40	0.00	0.00
Oak Creek	LIN26	A6-119	A6-204	1145.49	1141.29	410.00	2.00	0.01	0.00	0.00	0.00	0.00	0.07	-9E+99	7.29	22.90	1.90	0.00
Oak Creek	LIN37	A6-204	A6-203	1141.29	1140.92	585.00	4.00	0.00	0.00	0.00	3.24	18.82	0.96	-9E+99	2.87	36.13	1.90	0.48
Oak Creek	LIN27	A6-203	A6-202	1140.92	1140.22	450.00	4.00	0.00	0.00	0.00	3.65	18.82	0.90	-9E+99	4.51	56.65	1.92	0.48
Oak Creek	LIN29	A6-201	A6-200	1139.88	1139.37	611.00	4.00	0.00	0.00	0.00	3.22	18.82	0.96	-9E+99	3.30	41.50	1.89	0.47
Oak Creek	LIN28	A6-202	A6-201	1140.22	1139.88	450.00	4.00	0.00	0.00	0.00	3.17	18.82	0.97	-9E+99	3.14	39.48	1.92	0.48
Oak Creek	LIN31	A6-199	A6-198	1138.90	1138.15	687.00	4.00	0.00	0.00	0.00	3.39	18.82	0.94	-9E+99	3.78	47.46	1.92	0.48
Oak Creek	LIN32	A6-206	A6-205	1141.23	1141.52	325.00	4.00	0.00	-2.19	-15.99	2.19	16.23	1.11	-9E+99	3.41	42.91	2.20	0.55

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Oak Creek	LIN36	A6-205	A6-204	1141.52	1141.29	398.00	4.00	0.00	-0.68	-0.55	2.76	16.23	0.97	-9E+99	2.75	34.53	1.91	0.48
Oak Creek	LIN33	A6-207	A6-206	1142.02	1141.23	344.00	4.00	0.00	0.00	0.00	3.04	16.23	0.92	-9E+99	5.48	68.84	2.33	0.58
Oak Creek	LIN35	A6-209	A6-208	1142.11	1142.17	98.00	4.00	0.00	-2.63	-15.68	2.63	15.83	0.98	-9E+99	2.83	35.54	1.89	0.47
Oak Creek	LIN34	A6-208	A6-207	1142.17	1142.02	344.00	4.00	0.00	0.00	0.00	2.92	16.23	0.94	-9E+99	2.39	30.00	1.83	0.46
Oak Creek	LIN40	A6-232	A6-209	1142.35	1142.11	611.00	4.00	0.00	-0.34	-0.19	2.45	15.25	1.00	-9E+99	2.27	28.47	2.00	0.50
Oak Creek	LIN42	A6-233	A6-232	1142.68	1142.35	548.00	4.00	0.00	0.00	0.00	2.53	15.25	0.98	-9E+99	2.81	35.25	2.00	0.50
Oak Creek	LIN41	A6-92	A6-210	1145.46	1145.00	30.10	2.25	0.02	0.00	0.00	0.00	0.00	0.00	-9E+99	9.63	38.28	0.00	0.00
Oak Creek	LIN39	A6-210	A6-209	1145.00	1142.11	37.47	2.25	0.08	0.00	0.00	0.00	0.00	0.07	-9E+99	21.63	86.02	1.95	0.00
Oak Creek	LIN114	AA8-154	AA7-301	1157.06	1156.92	468.00	2.50	0.00	0.00	0.00	2.08	8.73	0.76	-9E+99	1.45	7.09	13.29	5.32
Oak Creek	LIN115	AA8-155	AA8-154	1157.70	1157.06	679.00	2.50	0.00	0.00	0.00	2.42	8.86	0.75	-9E+99	2.57	12.59	13.29	5.32
Oak Creek	LIN117	AA8-157	AA8-156	1158.21	1157.86	439.00	2.50	0.00	0.00	0.00	2.42	9.28	0.76	-9E+99	2.36	11.58	12.94	5.18
Oak Creek	LIN119	AA8-158	AA8-157	1158.58	1158.21	241.00	2.50	0.00	0.00	0.00	2.79	9.76	0.76	-9E+99	3.27	16.07	12.80	5.12
Oak Creek	LIN118	AA8-159	AA8-158	1158.75	1158.58	422.00	2.50	0.00	-0.48	-0.18	2.29	8.75	0.76	-9E+99	1.68	8.23	12.56	5.02
Oak Creek	LIN120	AA8-160	AA8-159	1159.25	1158.75	595.00	2.50	0.00	0.00	0.00	2.41	9.36	0.75	-9E+99	2.42	11.89	12.56	5.02
Oak Creek	LIN121	AA8-161	AA8-160	1159.66	1159.25	579.00	2.50	0.00	0.00	0.00	2.41	9.76	0.76	-9E+99	2.22	10.91	12.34	4.94
Oak Creek	LIN122	AA8-162	AA8-161	1160.16	1159.66	593.00	2.50	0.00	0.00	0.00	2.50	10.04	0.75	-9E+99	2.43	11.91	12.22	4.89
Oak Creek	LIN116	AA8-156	AA8-155	1157.86	1157.70	351.00	2.50	0.00	0.00	0.00	2.33	9.01	0.76	-9E+99	1.78	8.76	12.94	5.18
Oak Creek	LIN124	AA8-165	AA8-164	1161.15	1160.65	590.00	2.50	0.00	0.00	0.00	2.24	8.44	0.75	-9E+99	2.43	11.94	11.91	4.76
Oak Creek	LIN123	AA8-164	AA8-163	1160.65	1160.41	355.00	2.50	0.00	0.00	0.00	2.42	10.04	0.76	-9E+99	2.17	10.66	11.96	4.78
Oak Creek	LIN125	AA8-166	AA8-165	1161.28	1161.15	198.00	2.50	0.00	-0.25	-0.05	2.28	8.49	0.76	-9E+99	2.14	10.51	11.63	4.65
Oak Creek	LIN126	AA8-167	AA8-166	1169.32	1161.28	422.00	1.50	0.02	0.00	0.00	6.92	8.58	0.45	-9E+99	8.20	14.50	11.57	7.71
Oak Creek	LIN135	AA8-168	AA8-176	1179.97	1176.44	215.00	2.00	0.02	0.00	0.00	7.78	8.59	0.43	-9E+99	9.23	28.99	1.57	0.78
Oak Creek	LIN128	AA8-169	AA8-168	1180.47	1179.97	445.00	2.00	0.00	0.00	0.00	3.45	8.59	0.59	-9E+99	2.41	7.58	1.57	0.79
Oak Creek	LIN130	AA8-171	AA8-170	1181.60	1181.12	424.00	2.00	0.00	0.00	0.00	2.88	8.59	0.61	-9E+99	2.42	7.61	1.81	0.91
Oak Creek	LIN129	AA8-170	AA8-169	1181.12	1180.47	584.00	2.00	0.00	0.00	0.00	2.98	8.59	0.61	-9E+99	2.40	7.55	1.75	0.87
Oak Creek	LIN131	AA8-172	AA8-171	1182.10	1181.60	453.00	2.00	0.00	0.00	0.00	2.61	7.69	0.61	-9E+99	2.39	7.52	1.81	0.91
Oak Creek	LIN132	AA8-173	AA8-172	1182.65	1182.10	491.00	2.00	0.00	0.00	0.00	2.67	7.69	0.61	-9E+99	2.41	7.57	1.78	0.89
Oak Creek	LIN133	AA8-174	AA8-173	1183.33	1182.65	519.00	2.00	0.00	0.00	0.00	2.81	7.69	0.61	-9E+99	2.61	8.19	1.74	0.87
Oak Creek	LIN127	AA8-175	AA8-167	1174.99	1169.32	336.00	1.50	0.02	0.00	0.00	7.30	8.58	0.45	-9E+99	7.72	13.65	6.08	4.06
Oak Creek	LIN134	AA8-176	AA8-175	1176.44	1174.99	62.00	1.50	0.02	0.00	0.00	8.27	8.58	0.45	-9E+99	9.09	16.06	2.61	1.74
Oak Creek	LIN136	AA8-163	AA8-162	1160.41	1160.16	369.00	2.50	0.00	0.00	0.00	2.45	10.04	0.76	-9E+99	2.17	10.68	12.02	4.81
Oak Creek	LIN137	A8-278	AA8-174	1184.32	1183.33	330.00	1.50	0.00	0.00	0.00	2.98	4.50	0.45	-9E+99	3.26	5.75	1.64	1.10
Oak Creek	LIN138	A8-279	A8-278	1184.82	1184.32	416.00	1.50	0.00	0.00	0.00	2.63	4.50	0.45	-9E+99	2.06	3.64	1.43	0.95
	LBS-2	D1S-900	D0-168-2	1278.80	1247.85	4761.00	2.00	0.01	0.00	0.00	5.12	5.69	0.42	-9E+99	5.81	18.24	0.82	0.41
	LBS-1	D1S-905	D1S-900	1283.29	1278.80	1361.00	1.50	0.00	0.00	0.00	3.51	4.68	0.44	-9E+99	3.41	6.03	1.09	0.73
Lynn Creek	LH4	B7-334	B7-333	1144.57	1142.29	272.54	2.50	0.01	0.00	0.00	5.95	8.27	0.46	-9E+99	7.64	37.52	0.97	0.39
Lynn Creek	LH2	B7-332	B7-331	1141.00	1138.84	534.40	2.50	0.00	0.00	0.00	4.79	9.36	0.55	-9E+99	5.31	26.08	1.06	0.42
Lynn Creek	LH1	B7-331	B6-271	1138.84	1136.14	541.47	2.50	0.00	0.00	0.00	5.07	9.36	0.54	-9E+99	5.90	28.96	1.25	0.50
Lynn Creek	LH3	B7-333	B7-332	1142.29	1141.00	314.23	2.50	0.00	0.00	0.00	4.66	8.27	0.53	-9E+99	5.35	26.28	1.06	0.42
Lynn Creek	LH5	B7-337	B7-336	1153.46	1151.00	457.22	2.50	0.01	0.00	0.00	5.13	8.27	0.50	-9E+99	6.13	30.09	0.92	0.37
Lynn Creek	LH7	B7-336	B7-335	1151.00	1147.59	500.00	2.50	0.01	0.00	0.00	5.64	8.27	0.47	-9E+99	6.90	33.87	0.90	0.36
Lynn Creek	LH6	B7-335	B7-334	1147.59	1144.57	514.46	2.50	0.01	0.00	0.00	5.25	8.27	0.49	-9E+99	6.40	31.43	0.90	0.36
Lynn Creek	LH8	B7-338	B7-337	1155.40	1153.76	397.78	2.50	0.00	0.00	0.00	4.30	5.79	0.45	-9E+99	5.37	26.34	0.80	0.32
Lynn Creek	LH10	B7-340	B7-339	1162.57	1159.80	500.00	2.00	0.01	0.00	0.00	4.68	5.79	0.44	-9E+99	5.36	16.84	0.85	0.42

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Lynn Creek	LH9	B7-339	B7-338	1159.80	1155.40	500.00	2.00	0.01	0.00	0.00	5.66	5.79	0.40	-9E+99	6.76	21.22	0.80	0.40
Lynn Creek	LH13	B7-342	B7-435	1171.00	1167.60	304.00	1.75	0.01	0.00	0.00	5.78	5.79	0.40	-9E+99	6.97	16.76	0.79	0.45
Lynn Creek	LH11	B7-343	B7-342	1171.57	1171.00	450.00	1.75	0.00	0.00	0.00	3.06	5.79	0.52	-9E+99	2.34	5.64	1.35	0.77
Lynn Creek	LH14	B7-435	B7-341	1167.60	1163.07	103.00	1.75	0.04	0.00	0.00	8.37	5.79	0.31	-9E+99	13.82	33.23	1.29	0.74
Lynn Creek	LH12	B7-341	B7-340	1163.07	1162.57	503.00	2.00	0.00	0.00	0.00	2.83	5.79	0.56	-9E+99	2.27	7.13	1.29	0.64
Lynn Creek	LH16	A8-17	A8-16	1196.44	1195.33	260.00	1.50	0.00	0.00	0.00	3.47	2.26	0.32	-9E+99	3.88	6.86	0.59	0.40
Lynn Creek	LH19	A8-11	A8-10	1190.66	1187.84	430.00	1.50	0.01	0.00	0.00	4.85	5.39	0.42	-9E+99	4.81	8.51	0.93	0.62
Lynn Creek	LH15	A8-13	A8-11	1193.02	1190.66	440.00	1.50	0.01	0.00	0.00	4.71	5.39	0.42	-9E+99	4.35	7.69	0.93	0.62
Lynn Creek	LH17	A8-16	A8-86	1195.33	1194.22	251.00	1.50	0.00	0.00	0.00	3.28	2.26	0.33	-9E+99	3.95	6.99	0.88	0.59
Lynn Creek	LH18	A8-86	A8-13	1194.22	1193.02	190.00	1.50	0.01	0.00	0.00	4.97	5.39	0.41	-9E+99	4.72	8.35	0.93	0.62
Lynn Creek	LH27	A8-10	A8-159	1187.84	1185.24	186.00	1.50	0.01	0.00	0.00	6.62	5.39	0.36	-9E+99	7.03	12.42	0.82	0.54
Lynn Creek	LH21	A8-2	B8-69	1175.04	1174.25	320.00	1.75	0.00	0.00	0.00	3.48	5.39	0.49	-9E+99	3.27	7.87	1.11	0.63
Lynn Creek	LH20	A8-5	A8-2	1177.01	1175.04	330.00	1.75	0.01	0.00	0.00	4.73	5.39	0.42	-9E+99	5.09	12.24	1.07	0.61
Lynn Creek	LH22	A8-6	A8-5	1178.38	1177.01	319.00	1.75	0.00	0.00	0.00	4.28	5.39	0.45	-9E+99	4.32	10.38	0.92	0.53
Lynn Creek	LH23	A8-7	A8-6	1179.60	1178.38	276.00	1.75	0.00	0.00	0.00	4.38	5.39	0.44	-9E+99	4.38	10.53	0.92	0.53
Lynn Creek	LH24	A8-8	A8-7	1181.74	1179.60	222.00	1.50	0.01	0.00	0.00	5.77	5.39	0.38	-9E+99	5.84	10.31	0.89	0.59
Lynn Creek	LH25	A8-140	A8-8	1183.45	1181.74	200.00	1.50	0.01	0.00	0.00	5.60	5.39	0.39	-9E+99	5.50	9.71	0.81	0.54
Lynn Creek	LH26	A8-159	A8-140	1185.24	1183.45	223.00	1.50	0.01	0.00	0.00	5.49	5.39	0.39	-9E+99	5.33	9.41	0.82	0.54
Lynn Creek	LH30	B8-67	B7-343	1172.00	1171.57	330.00	1.75	0.00	0.00	0.00	2.71	5.39	0.53	-9E+99	2.38	5.72	1.35	0.77
Lynn Creek	LH28	B8-68	B8-67	1173.12	1172.00	506.00	1.75	0.00	0.00	0.00	3.19	5.39	0.51	-9E+99	3.10	7.45	1.35	0.77
Lynn Creek	LH29	B8-69	B8-68	1174.25	1173.12	504.00	1.75	0.00	0.00	0.00	3.35	5.39	0.50	-9E+99	3.12	7.50	1.15	0.66
Little Salt	LSAM25	C6-375	C6-313	1137.70	1137.49	167.70	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.10	3.72	0.00	0.00
Little Salt	LSAM27	C6-313	C6-262	1137.49	1136.96	361.20	1.50	0.00	0.00	0.00	0.00	0.00	0.01	-9E+99	2.28	4.02	0.18	0.00
Little Salt	LSAM28	C6-262	C6-352	1136.96	1136.44	361.90	1.50	0.00	-0.02	0.00	0.12	0.01	0.33	-9E+99	2.25	3.98	0.70	0.47
Little Salt	LSAM29	C6-352	C6-230	1136.44	1135.88	376.30	1.50	0.00	0.03	0.02	0.11	-0.24	0.45	-9E+99	2.29	4.05	1.26	0.84
Little Salt	LSAM30	C6-230	C6-195	1135.88	1135.62	181.40	1.50	0.00	0.02	0.03	0.15	-0.53	0.45	-9E+99	2.25	3.98	1.52	1.01
Little Salt	LSAM1	C6-195	C6-194	1135.62	1134.15	369.79	3.00	0.00	0.00	0.00	5.66	20.76	0.76	-9E+99	5.95	42.05	1.78	0.59
Little Salt	LSAM18	C6-194	C6-399	1134.15	1133.20	370.00	3.00	0.00	0.00	0.00	4.68	20.76	0.83	-9E+99	4.78	33.80	2.00	0.67
Little Salt	LSAM152	C6-194	C6-193	1150.25	1133.69	357.70	3.00	0.05	0.00	0.00	0.00	0.00	0.10	-9E+99	20.30	143.51	9.17	0.00
Little Salt	LSAM2	C6-388	C6-195	1135.97	1135.62	346.40	2.50	0.00	0.00	0.00	4.37	19.02	0.75	-9E+99	2.66	13.04	2.15	0.86
Little Salt	LSAM3	C6-197	C6-388	1136.88	1135.97	374.80	2.50	0.00	0.00	0.00	4.43	19.02	0.76	-9E+99	4.12	20.21	2.15	0.86
Little Salt	LSAM5	C6-134	C6-199	1140.17	1138.82	312.00	2.25	0.00	0.00	0.00	5.82	18.42	0.68	-9E+99	5.12	20.37	1.68	0.75
Little Salt	LSAM7	C6-95	C6-105	1152.95	1151.76	455.00	2.25	0.00	0.00	0.00	4.55	15.21	0.68	-9E+99	3.98	15.84	1.77	0.79
Little Salt	LSAM6	C6-89	C6-95	1153.70	1152.95	381.70	2.25	0.00	0.00	0.00	4.07	14.11	0.68	-9E+99	3.45	13.73	1.84	0.82
Little Salt	LSAM16	C6-101	C6-107	1150.82	1149.33	420.40	2.50	0.00	0.00	0.00	5.42	18.42	0.72	-9E+99	4.97	24.42	1.67	0.67
Little Salt	LSAM8	C6-105	C6-101	1151.76	1150.82	361.50	2.25	0.00	0.00	0.00	4.64	15.21	0.68	-9E+99	3.97	15.79	1.74	0.78
Little Salt	LSAM9	C6-132	C6-134	1141.67	1140.17	346.00	2.25	0.00	0.00	0.00	5.80	18.42	0.68	-9E+99	5.13	20.39	1.68	0.75
Little Salt	LSAM10	C6-131	C6-132	1143.24	1141.67	366.00	2.25	0.00	0.00	0.00	5.78	18.42	0.68	-9E+99	5.10	20.28	1.68	0.75
Little Salt	LSAM11	C6-127	C6-131	1144.83	1143.24	355.00	2.25	0.00	0.00	0.00	5.86	18.42	0.68	-9E+99	5.21	20.73	1.68	0.75
Little Salt	LSAM12	C6-126	C6-127	1146.20	1144.83	316.70	2.25	0.00	0.00	0.00	5.81	18.42	0.68	-9E+99	5.12	20.37	1.68	0.75
Little Salt	LSAM13	C6-56	C6-89	1154.44	1153.70	366.10	2.25	0.00	0.00	0.00	4.02	14.11	0.68	-9E+99	3.50	13.92	1.86	0.83
Little Salt	LSAM14	C6-49	C6-56	1155.19	1154.44	382.00	2.25	0.00	0.00	0.00	3.97	14.11	0.68	-9E+99	3.45	13.72	1.89	0.84
Little Salt	LSAM15	C6-351	C6-49	1156.28	1155.19	531.70	2.25	0.00	0.00	0.00	4.00	14.11	0.68	-9E+99	3.53	14.02	1.89	0.84
Little Salt	LSAM17	C6-107	C6-126	1149.33	1146.20	720.21	2.25	0.00	0.00	0.00	5.81	18.42	0.68	-9E+99	5.13	20.42	1.68	0.75

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM20	C6-400	C6-406	1132.70	1132.04	350.22	3.00	0.00	0.00	0.00	4.23	20.76	0.87	-9E+99	4.10	28.95	2.05	0.69
Little Salt	LSAM19	C6-399	C6-400	1133.20	1132.70	335.00	3.00	0.00	0.00	0.00	4.15	20.76	0.87	-9E+99	3.65	25.77	2.00	0.67
Little Salt	LSAM21	C6-406	C6-407	1132.04	1131.60	433.39	3.00	0.00	0.00	0.00	4.13	20.76	0.87	-9E+99	3.01	21.25	2.05	0.69
Little Salt	LSAM22	C6-407	C6-450	1131.60	1130.13	416.33	3.00	0.00	0.00	0.00	5.18	20.76	0.79	-9E+99	5.61	39.63	2.07	0.69
Little Salt	LSAM31	C6-452	C6-334	1138.42	1137.95	330.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.24	3.96	0.00	0.00
Little Salt	LSAM26	C6-334	C6-375	1137.95	1137.70	148.30	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.44	4.31	0.00	0.00
Little Salt	LSAM4	C6-199	C6-197	1138.82	1136.88	375.00	2.25	0.01	0.00	0.00	5.83	18.42	0.67	-9E+99	5.60	22.28	2.03	0.90
Little Salt	LSAM23	C6-480	C6-351	1156.72	1156.28	354.00	2.25	0.00	0.00	0.00	3.68	14.11	0.68	-9E+99	2.75	10.92	2.11	0.94
Little Salt	LSAM127	D5-46	D5-51	1183.96	1182.37	371.00	1.75	0.00	0.00	0.00	4.79	8.35	0.51	-9E+99	4.31	10.37	1.20	0.68
Little Salt	LSAM116	D5-324	D5-325	1160.20	1159.43	492.00	2.25	0.00	0.00	0.00	3.54	14.12	0.68	-9E+99	3.08	12.25	2.96	1.32
Little Salt	LSAM117	D5-325	D5-326	1159.43	1158.66	485.00	2.25	0.00	0.00	0.00	3.55	14.12	0.68	-9E+99	3.10	12.34	2.72	1.21
Little Salt	LSAM118	D5-326	D5-339	1158.66	1157.90	493.00	2.25	0.00	0.00	0.00	3.57	14.11	0.68	-9E+99	3.06	12.16	2.56	1.14
Little Salt	LSAM140	D5-339	D5-513	1157.90	1157.18	359.00	2.25	0.00	0.00	0.00	3.61	14.11	0.68	-9E+99	3.49	13.87	2.38	1.06
Little Salt	LSAM129	D5-153	D5-386	1167.61	1167.34	89.00	2.00	0.00	0.00	0.00	4.64	12.68	0.61	-9E+99	3.97	12.46	3.21	1.60
Little Salt	LSAM119	D5-152	D5-153	1169.22	1167.61	221.00	1.75	0.01	0.00	0.00	5.71	10.80	0.52	-9E+99	5.62	13.52	3.21	1.83
Little Salt	LSAM125	D5-151	D5-152	1171.48	1169.22	371.00	1.75	0.01	0.00	0.00	5.78	10.80	0.53	-9E+99	5.14	12.37	2.62	1.50
Little Salt	LSAM124	D5-122	D5-483	1173.72	1172.70	164.00	1.75	0.01	0.00	0.00	5.82	10.81	0.53	-9E+99	5.20	12.50	1.59	0.91
Little Salt	LSAM120	D5-121	D5-122	1176.14	1173.72	396.00	1.75	0.01	0.00	0.00	5.80	10.82	0.52	-9E+99	5.15	12.39	1.35	0.77
Little Salt	LSAM121	D5-119	D5-121	1177.60	1176.14	348.00	1.75	0.00	0.00	0.00	4.69	8.35	0.52	-9E+99	4.27	10.26	1.27	0.73
Little Salt	LSAM122	D5-67	D5-119	1179.19	1177.60	372.00	1.75	0.00	0.00	0.00	4.78	8.35	0.51	-9E+99	4.31	10.36	1.21	0.69
Little Salt	LSAM123	D5-483	D5-151	1172.70	1171.48	200.00	1.75	0.01	0.00	0.00	5.78	10.81	0.53	-9E+99	5.15	12.38	2.00	1.15
Little Salt	LSAM126	D5-63	D5-67	1180.78	1179.19	409.00	1.75	0.00	0.00	0.00	4.60	8.35	0.52	-9E+99	4.11	9.88	1.24	0.71
Little Salt	LSAM128	D5-51	D5-63	1182.37	1180.78	343.00	1.75	0.00	0.00	0.00	4.88	8.35	0.51	-9E+99	4.49	10.79	1.24	0.71
Little Salt	LSAM136	D5-386	D5-434	1167.34	1166.85	95.00	2.00	0.01	0.00	0.00	4.67	12.68	0.61	-9E+99	5.17	16.25	3.40	1.70
Little Salt	LSAM130	D5-213	D5-210	1166.57	1165.43	271.00	2.00	0.00	0.00	0.00	4.48	12.68	0.60	-9E+99	4.67	14.67	3.46	1.73
Little Salt	LSAM134	D5-210	D5-482	1165.43	1165.36	153.00	2.00	0.00	0.00	0.00	4.19	13.22	0.61	-9E+99	1.54	4.84	3.46	1.73
Little Salt	LSAM131	D5-276	D5-324	1161.98	1160.20	478.00	2.00	0.00	0.00	0.00	4.55	13.22	0.60	-9E+99	4.39	13.80	2.96	1.48
Little Salt	LSAM132	D5-275	D5-276	1163.32	1161.98	417.00	2.00	0.00	0.00	0.00	4.64	13.22	0.61	-9E+99	4.08	12.82	2.88	1.44
Little Salt	LSAM133	D5-209	D5-275	1164.60	1163.32	402.00	2.00	0.00	0.00	0.00	4.63	13.22	0.61	-9E+99	4.06	12.77	2.97	1.48
Little Salt	LSAM135	D5-482	D5-209	1165.36	1164.60	237.00	2.00	0.00	0.00	0.00	4.64	13.22	0.61	-9E+99	4.08	12.81	3.01	1.50
Little Salt	LSAM137	D5-434	D5-213	1166.85	1166.57	165.00	2.00	0.00	0.00	0.00	4.12	12.68	0.61	-9E+99	2.97	9.32	3.40	1.70
Little Salt	LSAM24	D5-513	C6-480	1157.18	1156.72	366.00	2.25	0.00	0.00	0.00	3.48	14.11	0.68	-9E+99	2.76	10.98	2.38	1.06
Little Salt	LSAM138	D5-414	D5-121	1177.07	1176.14	400.00	1.50	0.00	0.02	0.00	0.31	-0.31	0.43	-9E+99	2.87	5.07	1.27	0.85
Little Salt	LSAM139	D5-62	D5-414	1185.64	1184.94	47.00	1.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	7.25	12.82	-7.53	0.00
Little Salt	LSAM115	D5-45	D5-46	1184.49	1183.96	108.00	1.75	0.00	0.00	0.00	4.95	8.35	0.51	-9E+99	4.61	11.10	1.20	0.68
Little Salt	LSAM111	D5-16	D5-45	1191.17	1189.00	372.00	1.50	0.01	0.00	0.00	5.13	7.60	0.45	-9E+99	4.54	8.02	1.18	0.79
Little Salt	LSAM112	D5-17	D5-16	1193.34	1191.17	373.00	1.50	0.01	0.00	0.00	5.14	7.60	0.46	-9E+99	4.53	8.01	1.18	0.79
Little Salt	LSAM113	D5-417	D5-17	1194.94	1193.34	273.00	1.50	0.01	0.00	0.00	5.17	7.60	0.45	-9E+99	4.55	8.04	1.17	0.78
Little Salt	LSAM114	D4-481	D5-417	1195.50	1194.94	134.00	1.50	0.00	0.00	0.00	4.69	7.60	0.46	-9E+99	3.84	6.79	1.31	0.87
Little Salt	LSAM103	D4-482	D4-481	1197.90	1195.50	397.00	1.50	0.01	0.00	0.00	5.10	7.42	0.45	-9E+99	4.62	8.17	1.31	0.87
Little Salt	LSAM104	D4-483	D4-482	1198.17	1197.90	44.00	1.50	0.01	0.00	0.00	5.21	7.42	0.45	-9E+99	4.66	8.23	1.14	0.76
Little Salt	LSAM105	D4-484	D4-483	1200.52	1198.17	394.00	1.50	0.01	0.00	0.00	5.20	7.42	0.45	-9E+99	4.59	8.11	1.13	0.75
Little Salt	LSAM106	D4-485	D4-484	1202.83	1200.52	238.00	1.50	0.01	0.00	0.00	6.16	7.42	0.43	-9E+99	5.86	10.35	1.13	0.75
Little Salt	LSAM107	D4-486	D4-485	1204.97	1202.83	432.00	1.50	0.00	0.00	0.00	4.68	7.42	0.45	-9E+99	4.18	7.39	1.31	0.87

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM108	D4-462	D4-486	1208.35	1204.97	307.00	1.50	0.01	0.00	0.00	5.86	5.80	0.39	-9E+99	6.24	11.02	1.31	0.87
Little Salt	LSAM110	D4-262	D4-463	1215.00	1212.19	291.00	1.50	0.01	0.00	0.00	5.59	4.47	0.36	-9E+99	5.84	10.32	0.73	0.49
Little Salt	LSAM109	D4-463	D4-462	1212.19	1208.35	485.00	1.50	0.01	0.00	0.00	5.19	4.47	0.37	-9E+99	5.29	9.35	0.77	0.52
Little Salt	LSAM44	B9-21	B9-22	1136.06	1134.14	235.00	2.25	0.01	0.00	0.00	4.97	3.99	0.34	-9E+99	7.04	27.99	0.58	0.26
Little Salt	LSAM40	B9-39	C9-4	1132.26	1131.41	118.00	2.50	0.01	0.00	0.00	3.74	3.99	0.42	-9E+99	7.09	34.81	1.53	0.61
Little Salt	LSAM45	B9-22	B9-39	1134.14	1132.26	250.00	2.25	0.01	0.00	0.00	4.75	3.99	0.34	-9E+99	6.75	26.86	0.68	0.30
Little Salt	LSAM46	B9-20	B9-21	1137.95	1136.06	170.00	2.25	0.01	0.00	0.00	5.50	3.99	0.32	-9E+99	8.21	32.66	0.57	0.26
Little Salt	LSAM47	B9-19	B9-52	1141.45	1139.74	173.00	2.25	0.01	0.00	0.00	5.33	3.99	0.32	-9E+99	7.74	30.79	0.55	0.25
Little Salt	LSAM48	B9-52	B9-20	1139.74	1137.95	179.00	2.25	0.01	0.00	0.00	5.31	3.99	0.32	-9E+99	7.79	30.97	0.55	0.25
Little Salt	LSAM49	B9-17	B9-18	1147.31	1145.00	412.00	2.25	0.01	0.00	0.00	4.16	3.99	0.37	-9E+99	5.83	23.19	0.67	0.30
Little Salt	LSAM50	B9-18	B9-19	1145.00	1141.45	350.00	2.25	0.01	0.00	0.00	5.39	3.99	0.32	-9E+99	7.84	31.19	0.55	0.24
Little Salt	LSAM51	B9-14	B9-15	1156.46	1153.83	438.00	2.25	0.01	0.00	0.00	4.46	3.99	0.36	-9E+99	6.04	24.00	0.63	0.28
Little Salt	LSAM53	B9-15	B9-16	1153.83	1150.17	650.00	2.25	0.01	0.00	0.00	4.37	3.99	0.36	-9E+99	5.84	23.24	0.63	0.28
Little Salt	LSAM52	B9-16	B9-17	1150.17	1147.31	509.00	2.25	0.01	0.00	0.00	4.33	3.99	0.37	-9E+99	5.84	23.22	0.67	0.30
Little Salt	LSAM55	B9-70	B9-14	1161.35	1156.46	401.00	1.50	0.01	0.00	0.00	5.93	3.99	0.32	-9E+99	6.56	11.60	0.62	0.41
Little Salt	LSAM54	B9-69	B9-70	1164.99	1161.35	412.00	1.50	0.01	0.00	0.00	5.13	3.99	0.35	-9E+99	5.59	9.87	0.69	0.46
Little Salt	LSAM56	B9-68	B9-69	1169.02	1164.99	497.00	1.50	0.01	0.00	0.00	5.12	3.99	0.35	-9E+99	5.35	9.46	0.69	0.46
Little Salt	LSAM60	B9-71	B9-68	1174.17	1169.02	567.00	1.50	0.01	0.00	0.00	5.32	3.99	0.34	-9E+99	5.67	10.01	0.68	0.45
Little Salt	LSAM57	B9-72	B9-71	1182.83	1174.17	343.00	1.50	0.03	0.00	0.00	7.41	3.99	0.29	-9E+99	9.45	16.69	0.66	0.44
Little Salt	LSAM58	B9-74	B9-73	1185.45	1183.99	507.00	1.50	0.00	0.00	0.00	3.41	3.99	0.43	-9E+99	3.19	5.64	1.01	0.67
Little Salt	LSAM59	B9-73	B9-72	1183.99	1182.83	400.00	1.50	0.00	0.00	0.00	3.35	3.99	0.42	-9E+99	3.20	5.66	1.01	0.67
Little Salt	LSAM62	D9-73	D9-74	1111.18	1110.90	510.00	5.00	0.00	0.00	0.00	3.06	61.94	1.52	-9E+99	3.11	61.02	7.23	1.45
Little Salt	LSAM63	D9-74	D9-75	1110.90	1110.62	510.00	5.00	0.00	0.00	0.00	3.18	64.03	1.52	-9E+99	3.11	61.02	7.27	1.45
Little Salt	LSAM64	D9-75	D9-76	1110.62	1110.34	510.00	5.00	0.00	-2.11	-9.64	3.25	66.13	1.52	-9E+99	3.11	61.02	7.51	1.50
Little Salt	LSAM71	D9-76	D9-77	1110.34	1110.27	520.00	5.00	0.00	2.63	-15.68	3.11	61.43	1.52	-9E+99	1.54	30.22	7.51	1.50
Stevens Creek	LSAM65	D9-101	D9-102	1110.95	1110.57	939.00	7.00	0.00	-1.34	-8.22	4.27	168.10	2.85	-9E+99	3.34	128.51	7.92	1.13
Stevens Creek	LSAM66	D9-100	D9-101	1111.33	1110.95	939.00	7.00	0.00	-1.60	-8.19	3.99	159.42	2.81	-9E+99	3.34	128.51	8.08	1.15
Stevens Creek	LSAM67	D9-99	D9-100	1111.71	1111.33	939.00	7.00	0.00	0.00	0.00	3.99	159.45	2.73	-9E+99	3.34	128.51	8.23	1.18
Stevens Creek	LSAM68	D9-98	D9-99	1112.09	1111.71	451.34	6.00	0.00	0.00	0.00	5.63	159.47	1.84	-9E+99	4.35	122.89	8.48	1.41
Stevens Creek	LSAM72	D9-103	D9-JNC	1110.48	1110.25	81.36	5.00	0.00	-3.41	-14.65	8.62	169.68	1.52	-9E+99	7.05	138.47	6.83	1.37
Stevens Creek	LSAM70	D9-102	D9-103	1110.57	1110.48	254.00	5.00	0.00	-3.11	-13.57	8.61	169.68	1.52	-9E+99	2.50	49.02	7.71	1.54
Little Salt	LSAM73	D9-77	D9-JNC	1110.27	1110.25	77.00	5.00	0.00	2.63	-19.97	3.20	64.45	1.52	-9E+99	2.14	41.97	6.65	1.33
Stevens Creek	LSAM74	D9-JNC	D9-WWTP	1110.25	1110.00	410.00	5.00	0.00	-4.08	-37.74	12.15	227.01	1.49	-9E+99	3.28	64.31	6.61	1.32
Little Salt	LSAM75	D9-84	D9-32	1128.13	1127.47	437.30	2.00	0.00	0.00	0.00	2.72	3.94	0.48	-9E+99	2.80	8.79	0.94	0.47
Little Salt	LSAM76	D9-32	D9-31	1127.47	1126.81	440.00	2.00	0.00	0.00	0.00	2.71	3.94	0.48	-9E+99	2.79	8.76	0.94	0.47
Little Salt	LSAM77	D9-31	D9-30	1126.81	1126.15	440.00	2.00	0.00	0.00	0.00	2.70	3.94	0.48	-9E+99	2.79	8.76	0.95	0.48
Little Salt	LSAM78	D9-30	D9-29	1126.15	1125.49	440.00	2.00	0.00	0.00	0.00	2.74	3.94	0.48	-9E+99	2.79	8.76	0.95	0.48
Little Salt	LSAM90	D9-29	D9-12	1125.49	1124.00	427.00	2.00	0.00	0.00	0.00	3.69	3.94	0.41	-9E+99	4.25	13.36	0.75	0.38
Little Salt	LSAM79	D9-64	D9-65	1112.44	1112.11	492.58	5.00	0.00	-0.87	-2.01	1.96	36.04	1.65	-9E+99	3.43	67.41	6.15	1.23
Little Salt	LSAM80	D9-65	D9-66	1112.11	1112.07	382.42	5.00	0.00	-0.98	-2.18	1.82	37.43	1.52	-9E+99	1.36	26.64	6.15	1.23
Little Salt	LSAM81	D9-66	D9-67	1112.07	1111.88	425.00	5.00	0.00	-1.05	-2.85	1.86	37.93	1.52	-9E+99	2.80	55.07	6.25	1.25
Little Salt	LSAM94	D9-67	D9-69	1111.88	1111.60	223.00	5.00	0.00	-1.19	-3.94	1.99	40.91	1.52	-9E+99	4.70	92.29	6.50	1.30
Little Salt	LSAM95	D9-68	D9-70	1122.40	1111.47	167.00	2.00	0.07	0.00	0.00	7.26	3.94	0.22	-9E+99	18.42	57.87	6.60	3.30
Little Salt	LSAM82	D9-63	D9-64	1112.64	1112.44	500.00	5.00	0.00	-0.70	-1.43	2.09	35.70	1.74	-9E+99	2.65	52.09	5.90	1.18

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM83	D9-62	D9-63	1112.84	1112.64	500.00	5.00	0.00	-0.66	-0.95	2.18	35.46	1.80	-9E+99	2.65	52.09	5.77	1.15
Little Salt	LSAM84	D9-61	D9-62	1113.04	1112.84	550.00	5.00	0.00	-0.56	-0.55	2.24	35.28	1.84	-9E+99	2.53	49.66	5.64	1.13
Little Salt	LSAM85	D9-60	D9-61	1113.24	1113.04	550.00	5.00	0.00	-0.34	-0.18	2.29	34.84	1.86	-9E+99	2.53	49.66	5.52	1.10
Little Salt	LSAM86	D9-59	D9-60	1113.44	1113.24	565.66	5.00	0.00	0.00	0.00	2.32	34.65	1.87	-9E+99	2.49	48.97	5.40	1.08
Little Salt	LSAM87	D9-58	D9-59	1113.60	1113.49	284.34	5.00	0.00	0.00	0.00	2.42	34.43	1.88	-9E+99	2.61	51.23	5.23	1.05
Little Salt	LSAM88	D9-71	D9-72	1111.43	1111.22	394.16	5.00	0.00	1.84	-8.32	2.25	46.30	1.52	-9E+99	3.06	60.12	6.86	1.37
Little Salt	LSAM61	D9-72	D9-73	1111.22	1111.18	70.71	5.00	0.00	1.83	-9.17	2.06	42.07	1.52	-9E+99	3.15	61.94	6.97	1.39
Little Salt	LSAM89	D9-78	D9-68	1123.90	1122.40	289.00	2.00	0.01	0.00	0.00	3.96	3.94	0.38	-9E+99	5.19	16.30	0.75	0.37
Little Salt	LSAM91	D9-12	D9-78	1124.00	1123.90	30.00	2.00	0.00	0.00	0.00	3.66	3.94	0.41	-9E+99	4.16	13.06	0.75	0.38
Little Salt	LSAM92	D9-85	D9-58	1113.75	1113.60	319.79	5.00	0.00	0.00	0.00	2.46	34.21	1.87	-9E+99	2.87	56.41	5.16	1.03
Little Salt	LSAM96	D9-70	D9-71	1111.47	1111.43	390.00	5.00	0.00	-1.64	-6.37	2.21	45.34	1.52	-9E+99	1.34	26.38	6.60	1.32
Little Salt	LSAM93	D9-69	D9-70	1111.60	1111.47	203.00	5.00	0.00	-1.36	-4.86	1.88	37.86	1.52	-9E+99	3.36	65.91	6.60	1.32
Little Salt	LSAM97	C9-7	C9-6	1114.85	1114.50	506.00	4.50	0.00	0.00	0.00	3.30	33.66	1.53	-9E+99	3.25	51.72	4.40	0.98
Little Salt	LSAM98	C9-8	C9-7	1115.21	1114.85	498.00	4.50	0.00	0.00	0.00	3.30	33.23	1.49	-9E+99	3.32	52.87	4.17	0.93
Little Salt	LSAM99	C9-9	C9-8	1115.39	1115.21	51.00	4.50	0.00	0.00	0.00	3.62	32.95	1.43	-9E+99	7.35	116.83	3.93	0.87
Little Salt	LSAM101	C9-10	C9-9	1115.57	1115.39	510.00	4.50	0.00	0.00	0.00	3.25	32.92	1.44	-9E+99	2.32	36.94	3.76	0.84
Little Salt	LSAM102	C9-6	D9-85	1114.50	1114.25	337.00	4.50	0.00	0.00	0.00	3.40	33.92	1.57	-9E+99	3.37	53.56	4.56	1.01
Little Salt	LSAM32	C9-4	C9-3	1131.41	1131.33	150.00	3.00	0.00	0.00	0.00	2.17	6.61	0.76	-9E+99	2.18	15.40	1.56	0.52
Little Salt	LSAM34	C9-3	C9-2	1131.33	1131.09	456.00	3.00	0.00	0.00	0.00	1.91	6.61	0.77	-9E+99	2.16	15.30	1.65	0.55
Little Salt	LSAM33	C9-1	C8-16	1130.84	1130.52	458.00	3.00	0.00	0.00	0.00	2.28	9.08	0.79	-9E+99	2.49	17.63	1.72	0.57
Little Salt	LSAM35	C9-2	C9-1	1131.09	1130.84	475.00	3.00	0.00	0.00	0.00	2.28	9.08	0.79	-9E+99	2.16	15.30	1.65	0.55
Little Salt	LSAM43	C9-14	C9-23	1132.63	1132.35	367.00	2.00	0.00	0.00	0.00	2.01	2.47	0.44	-9E+99	1.99	6.25	0.84	0.42
Little Salt	LSAM38	C9-12	C9-13	1134.03	1133.07	374.00	1.50	0.00	0.00	0.00	2.84	2.47	0.37	-9E+99	3.01	5.32	0.86	0.57
Little Salt	LSAM37	C9-13	C9-14	1133.07	1132.63	543.00	2.00	0.00	0.00	0.00	1.92	2.47	0.45	-9E+99	2.05	6.44	0.86	0.43
Little Salt	LSAM36	C9-23	C9-2	1132.35	1131.09	427.00	2.00	0.00	0.00	0.00	2.51	2.47	0.41	-9E+99	3.91	12.29	1.65	0.83
Little Salt	LSAM39	C9-52	C8-16	1132.37	1130.52	288.00	1.50	0.01	0.00	0.00	0.00	0.00	0.05	-9E+99	4.76	8.42	1.72	0.00
Little Salt	LSAM41	C9-51	C9-52	1132.79	1132.37	349.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.06	3.64	0.00	0.00
Little Salt	LSAM42	C9-50	C9-51	1133.38	1132.79	493.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.06	3.63	0.00	0.00
Little Salt	LSAM151	C6-180	C6-177	1129.36	1128.85	328.00	3.00	0.00	-0.37	-2.62	2.32	8.80	0.91	-9E+99	3.72	26.30	13.84	4.61
Little Salt	LSAM141	C6-181	C6-180	1129.82	1129.36	378.90	3.00	0.00	-0.57	-4.19	2.77	8.81	0.91	-9E+99	3.29	23.24	13.38	4.46
Little Salt	LSAM143	C6-188	C6-187	1131.61	1131.40	118.40	3.00	0.00	0.08	0.59	1.37	-5.25	0.91	-9E+99	3.97	28.09	11.46	3.82
Little Salt	LSAM142	C6-302	C6-181	1130.05	1129.82	65.00	3.00	0.00	-0.39	-2.85	3.23	7.96	0.91	-9E+99	5.61	39.68	12.98	4.33
Little Salt	LSAM161	C6-186	C6-294	1130.53	1130.58	68.00	3.00	0.00	-0.08	-0.59	0.23	-5.49	0.91	-9E+99	2.56	18.09	12.29	4.10
Little Salt	LSAM175	C6-187	C6-186	1131.40	1130.63	100.40	1.00	0.01	0.70	0.59	1.87	-5.42	0.29	-9E+99	3.97	3.12	12.19	12.19
Little Salt	LSAM144	C6-189	C6-188	1131.05	1131.61	259.16	3.00	0.00	0.00	-0.01	0.08	-5.37	0.90	-9E+99	4.39	31.00	11.81	3.94
Little Salt	LSAM145	C6-190	C6-189	1132.33	1131.61	358.50	3.00	0.00	0.00	0.01	0.08	-4.79	0.90	-9E+99	4.23	29.89	11.25	3.75
Little Salt	LSAM146	C6-191	C6-190	1132.77	1132.33	359.50	3.00	0.00	0.00	0.01	0.08	-3.69	0.91	-9E+99	3.30	23.33	10.53	3.51
Little Salt	LSAM147	C6-192	C6-191	1133.24	1132.77	359.00	3.00	0.00	0.00	0.00	0.07	-2.53	0.91	-9E+99	3.41	24.13	10.09	3.36
Little Salt	LSAM148	C6-193	C6-192	1133.69	1133.24	366.80	3.00	0.00	0.00	0.00	0.06	-1.30	0.91	-9E+99	3.31	23.36	9.62	3.21
Little Salt	LSAM174	C6-169	C6-500	1127.00	1126.50	362.80	3.00	0.00	-0.81	-5.80	1.42	10.27	0.91	-9E+99	3.50	24.76	15.84	5.28
Little Salt	LSAM149	C6-171	C6-169	1127.26	1127.00	198.00	3.00	0.00	-0.79	-5.64	1.42	10.27	0.91	-9E+99	3.42	24.17	15.41	5.14
Little Salt	LSAM158	C6-393	C6-172	1127.77	1133.19	165.50	3.00	-0.03	-1.00	-7.27	1.30	9.40	0.90	-9E+99	17.08	120.70	14.73	4.91
Little Salt	LSAM150	C6-175	C6-393	1128.46	1127.77	530.36	3.00	0.00	-0.54	-3.83	1.51	9.40	0.90	-9E+99	3.40	24.06	14.76	4.92
Little Salt	LSAM166	C6-177	C6-492	1128.85	1131.69	99.23	3.00	-0.03	-0.94	-6.81	1.22	8.80	0.77	-9E+99	15.96	112.84	13.82	4.61

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM153	C6-244	C6-349	1127.42	1126.03	400.00	2.50	0.00	-1.38	-7.01	-1.38	-8.43	0.68	-9E+99	4.93	24.18	16.30	6.52
Little Salt	LSAM154	C6-245	C6-244	1127.96	1127.42	400.00	2.50	0.00	-1.40	-7.10	1.73	-8.43	0.75	-9E+99	3.07	15.07	14.78	5.91
Little Salt	LSAM155	C6-246	C6-245	1128.52	1127.96	400.00	2.50	0.00	-1.42	-7.19	1.76	-8.43	0.75	-9E+99	3.13	15.35	14.11	5.64
Little Salt	LSAM156	C6-251	C6-252	1129.62	1129.08	400.00	2.50	0.00	-1.46	-7.35	2.33	-8.21	0.75	-9E+99	3.07	15.07	12.73	5.09
Little Salt	LSAM164	C6-431	C6-432	1131.05	1131.05	17.24	2.50	0.00	0.00	0.00	4.07	20.09	0.76	-9E+99	0.26	1.30	5.38	2.15
Little Salt	LSAM157	C6-172	C6-171	1133.19	1127.26	218.69	3.00	0.03	-0.79	-5.46	3.62	10.27	0.77	-9E+99	15.54	109.83	15.19	5.06
Little Salt	LSAM160	C6-242	C6-499	1131.46	1131.00	450.30	2.50	0.00	0.21	1.06	0.54	2.69	0.76	-9E+99	2.67	13.11	6.28	2.51
Little Salt	LSAM163	C6-294	C6-184	1130.58	1130.38	139.00	3.00	0.00	0.36	2.58	2.17	-4.35	0.91	-9E+99	3.58	25.30	12.44	4.15
Little Salt	L1510	C6-184	C6-302	1130.38	1130.05	365.90	3.00	0.00	0.36	2.58	1.53	-7.38	0.91	-9E+99	2.83	20.03	12.76	4.25
Little Salt	LSAM165	C6-252	C6-246	1129.08	1128.52	400.00	2.50	0.00	-1.46	-7.35	2.27	-8.21	0.75	-9E+99	3.13	15.35	13.42	5.37
Little Salt	LSAM167	C6-492	C6-175	1131.69	1128.46	328.10	3.00	0.01	1.01	-6.88	4.82	9.40	0.88	-9E+99	9.36	66.18	14.16	4.72
Little Salt	LSAM173	C6-500	C6-349	1126.50	1126.03	100.00	3.00	0.00	0.74	-5.33	1.12	8.09	0.91	-9E+99	6.47	45.73	16.30	5.44
Little Salt	LSAM159	C6-499	C6-431	1131.00	1131.05	256.00	2.50	0.00	-3.75	-18.54	4.18	20.71	0.76	-9E+99	1.17	5.73	5.86	2.35
Little Salt	LSAM168	C6-499	C6-500	1140.00	1128.00	219.00	2.00	0.05	-2.77	-2.79	-2.77	-3.09	0.36	-9E+99	16.86	52.96	14.34	7.17
Little Salt	LSAM169	C6-498	C6-499	1131.36	1131.00	481.00	3.00	0.00	0.00	0.00	2.77	19.70	0.91	-9E+99	2.58	18.25	6.34	2.11
Little Salt	LSAM171	C6-497	C6-498	1131.68	1131.36	434.00	3.00	0.00	0.00	0.00	2.68	19.04	0.91	-9E+99	2.56	18.11	6.39	2.13
Little Salt	LSAM170	C6-496	C6-497	1132.43	1131.68	632.00	3.00	0.00	0.00	0.00	3.00	20.02	0.91	-9E+99	3.25	22.98	6.39	2.13
Little Salt	LSAM172	C6-495	C6-496	1132.75	1132.43	263.00	3.00	0.00	0.00	0.00	3.18	19.58	0.91	-9E+99	3.29	23.27	6.19	2.06
Little Salt	LSAM176	E7-6	E7-7	1163.58	1162.75	427.00	1.50	0.00	0.00	0.00	2.54	2.32	0.38	-9E+99	2.62	4.63	0.85	0.57
Little Salt	LSAM177	E7-7	E7-8	1162.75	1162.19	428.00	1.50	0.00	0.00	0.00	2.25	2.32	0.40	-9E+99	2.15	3.80	0.85	0.57
Little Salt	LSAM178	E7-8	E7-9	1162.19	1161.34	640.00	1.50	0.00	0.00	0.00	2.27	2.32	0.40	-9E+99	2.17	3.83	0.85	0.57
Little Salt	LSAM179	E7-9	E7-10	1161.34	1160.40	521.00	1.50	0.00	0.00	0.00	2.55	2.32	0.38	-9E+99	2.52	4.46	0.77	0.51
Little Salt	LSAM180	E7-10	E7-11	1160.40	1159.81	327.00	1.50	0.00	0.00	0.00	2.55	2.31	0.38	-9E+99	2.52	4.46	0.77	0.51
Little Salt	LSAM181	E7-11	E7-12	1159.81	1159.16	360.00	1.50	0.00	0.00	0.00	2.55	2.31	0.38	-9E+99	2.53	4.46	0.77	0.51
Little Salt	LSAM182	E7-12	E7-13	1159.16	1158.50	365.00	1.50	0.00	0.00	0.00	2.55	2.31	0.38	-9E+99	2.53	4.47	0.77	0.51
Little Salt	LSAM183	E7-13	E7-14	1158.50	1158.10	222.00	1.50	0.00	0.00	0.00	2.55	2.31	0.38	-9E+99	2.52	4.46	0.77	0.51
Little Salt	LSAM184	E7-14	E7-15	1158.10	1156.99	614.00	1.50	0.00	0.00	0.00	2.55	2.31	0.38	-9E+99	2.53	4.47	0.77	0.52
Little Salt	LSAM185	E7-15	E7-16	1156.99	1155.89	609.00	1.50	0.00	0.00	0.00	2.50	2.31	0.38	-9E+99	2.53	4.46	0.85	0.57
Little Salt	LSAM186	E7-16	E7-17	1155.89	1154.83	590.00	1.50	0.00	0.00	0.00	2.44	2.31	0.38	-9E+99	2.52	4.45	0.85	0.57
Little Salt	LSAM187	E7-17	E7-18	1154.83	1151.16	35.00	1.50	0.10	0.00	0.00	8.55	2.31	0.18	-9E+99	19.25	34.01	0.70	0.47
Little Salt	LSAM400	E7-18	D7-458	1151.16	1150.88	110.00	1.50	0.00	0.00	0.00	2.85	2.31	0.36	-9E+99	3.00	5.30	0.72	0.48
Little Salt	LSAM198	D7-451	D7-452	1142.19	1141.53	106.00	1.75	0.01	0.00	0.00	3.29	2.31	0.32	-9E+99	5.20	12.50	0.96	0.55
Little Salt	LSAM188	D7-450	D7-451	1142.91	1142.19	600.00	1.75	0.00	0.00	0.00	2.17	2.31	0.41	-9E+99	2.28	5.49	0.83	0.47
Little Salt	LSAM189	D7-448	D7-449	1144.35	1143.63	600.00	1.75	0.00	0.00	0.00	2.18	2.31	0.41	-9E+99	2.28	5.49	0.80	0.46
Little Salt	LSAM191	D7-446	D7-447	1145.55	1145.01	450.00	1.75	0.00	0.00	0.00	2.18	2.31	0.41	-9E+99	2.28	5.49	0.79	0.45
Little Salt	LSAM192	D7-445	D7-446	1146.09	1145.55	444.00	1.75	0.00	0.00	0.00	2.19	2.31	0.41	-9E+99	2.30	5.53	0.79	0.45
Little Salt	LSAM193	D7-458	D7-459	1150.88	1149.63	545.00	1.50	0.00	0.00	0.00	2.79	2.31	0.36	-9E+99	2.85	5.03	0.72	0.48
Little Salt	LSAM194	D7-459	D7-460	1149.63	1148.36	550.00	1.50	0.00	0.00	0.00	2.79	2.31	0.36	-9E+99	2.86	5.05	0.73	0.49
Little Salt	LSAM196	D7-460	D7-461	1148.36	1147.21	500.00	1.50	0.00	0.00	0.00	2.75	2.31	0.37	-9E+99	2.85	5.04	0.73	0.49
Little Salt	LSAM195	D7-461	D7-445	1147.21	1146.09	377.00	1.50	0.00	0.00	0.00	2.98	2.31	0.35	-9E+99	3.24	5.73	0.79	0.53
Little Salt	LSAM363	D7-453	D8-218	1141.27	1140.44	488.00	1.75	0.00	0.00	0.00	2.48	2.31	0.38	-9E+99	2.72	6.53	0.72	0.41
Little Salt	LSAM190	D7-447	D7-448	1145.01	1144.35	550.00	1.75	0.00	0.00	0.00	2.18	2.31	0.41	-9E+99	2.28	5.49	0.79	0.45
Little Salt	LSAM199	D7-449	D7-450	1143.63	1142.91	600.00	1.75	0.00	0.00	0.00	2.16	2.31	0.41	-9E+99	2.28	5.49	0.83	0.47
Little Salt	LSAM197	D7-452	D7-453	1141.53	1141.27	558.00	1.75	0.00	0.00	0.00	1.77	2.31	0.45	-9E+99	1.42	3.42	0.96	0.55

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM215	D7-267	D7-418	1139.75	1139.40	450.20	1.75	0.00	0.00	0.00	2.49	5.96	0.53	-9E+99	1.84	4.42	1.80	1.03
Little Salt	LSAM200	D7-247	D7-267	1140.02	1139.75	372.00	1.75	0.00	0.00	0.00	2.37	5.96	0.53	-9E+99	1.77	4.27	2.02	1.15
Little Salt	LSAM205	D7-197	D7-208	1144.58	1143.29	380.00	1.50	0.00	0.00	0.00	3.76	4.46	0.43	-9E+99	3.46	6.12	0.96	0.64
Little Salt	LSAM206	D7-142	D7-197	1145.87	1144.58	360.00	1.50	0.00	0.00	0.00	3.84	4.46	0.42	-9E+99	3.56	6.29	0.96	0.64
Little Salt	LSAM202	D7-208	D7-237	1143.29	1141.77	380.00	1.50	0.00	0.00	0.00	3.96	4.46	0.42	-9E+99	3.76	6.64	1.01	0.67
Little Salt	LSAM203	D7-239	D7-238	1141.01	1140.62	195.85	1.75	0.00	0.00	0.00	2.88	4.45	0.53	-9E+99	2.94	7.07	1.53	0.88
Little Salt	LSAM218	D7-237	D7-456	1141.77	1141.27	163.00	1.75	0.00	0.00	0.00	3.18	4.45	0.48	-9E+99	3.65	8.78	1.26	0.72
Little Salt	L1500	D7-264	D8-24	1138.73	1138.56	117.60	1.75	0.00	0.00	0.00	3.02	7.18	0.53	-9E+99	2.50	6.02	1.69	0.97
Little Salt	LSAM204	D7-238	D7-247	1140.62	1140.02	178.65	1.75	0.00	-0.04	-0.03	2.71	4.45	0.52	-9E+99	3.82	9.18	2.02	1.15
Little Salt	LSAM207	D7-283	D7-142	1146.62	1145.87	219.85	1.50	0.00	0.00	0.00	3.79	4.46	0.43	-9E+99	3.47	6.14	0.95	0.63
Little Salt	LSAM208	D7-281	D7-283	1147.34	1146.62	379.00	1.50	0.00	0.00	0.00	2.74	3.10	0.42	-9E+99	2.59	4.58	0.95	0.63
Little Salt	LSAM209	D7-280	D7-281	1148.09	1147.34	375.00	1.50	0.00	0.00	0.00	2.82	3.10	0.42	-9E+99	2.66	4.70	0.91	0.61
Little Salt	LSAM210	D7-279	D7-280	1148.66	1148.09	385.00	1.50	0.00	0.00	0.00	2.57	3.10	0.43	-9E+99	2.29	4.04	0.98	0.65
Little Salt	LSAM211	D7-278	D7-279	1150.61	1148.66	380.00	1.50	0.01	0.00	0.00	3.85	3.10	0.36	-9E+99	4.26	7.52	0.98	0.65
Little Salt	LSAM212	D7-415	D7-264	1138.75	1138.73	133.00	1.75	0.00	0.00	0.00	2.88	7.18	0.53	-9E+99	0.81	1.94	1.93	1.10
Little Salt	LSAM213	D7-416	D7-415	1139.13	1138.75	227.00	2.25	0.00	0.00	0.00	2.41	7.18	0.68	-9E+99	3.19	12.67	1.93	0.86
Little Salt	LSAM214	D7-417	D7-416	1139.29	1139.13	98.00	2.25	0.00	0.00	0.00	2.70	7.18	0.67	-9E+99	3.15	12.51	1.68	0.75
Little Salt	LSAM216	D7-418	D7-417	1139.40	1139.29	65.00	2.25	0.00	0.00	0.00	2.81	7.18	0.66	-9E+99	3.20	12.74	1.58	0.70
Little Salt	LSAM217	D7-456	D7-239	1141.27	1141.01	217.00	1.75	0.00	0.00	0.00	2.61	4.45	0.52	-9E+99	2.28	5.48	1.30	0.75
Little Salt	LSAM230	C7-384	C7-396	1128.55	1127.01	403.00	3.50	0.00	0.00	0.00	5.16	21.04	0.80	-9E+99	6.46	62.19	2.14	0.61
Little Salt	LSAM241	C7-385	C7-384	1128.60	1128.55	59.20	3.50	0.00	0.00	0.00	4.88	21.04	0.83	-9E+99	3.04	29.24	1.62	0.46
Little Salt	LSAM231	C7-396	C7-383	1127.01	1126.70	346.00	3.50	0.00	0.00	0.00	3.41	21.04	0.98	-9E+99	3.13	30.12	2.14	0.61
Little Salt	LSAM242	C7-387	C7-386	1129.09	1128.98	107.00	3.50	0.00	0.00	0.00	3.66	21.04	0.95	-9E+99	3.35	32.26	2.02	0.58
Little Salt	LSAM240	C7-386	C7-385	1128.98	1128.60	503.00	3.50	0.00	0.00	0.00	3.76	21.04	0.94	-9E+99	2.87	27.65	2.01	0.58
Little Salt	LSAM243	C7-395	C7-387	1129.32	1129.09	265.00	3.50	0.00	0.00	0.00	3.52	20.76	0.96	-9E+99	3.08	29.64	2.07	0.59
Little Salt	LSAM244	C7-390	C7-395	1129.69	1129.32	277.00	3.50	0.00	0.00	0.00	3.66	20.76	0.95	-9E+99	3.82	36.77	2.07	0.59
Little Salt	LSAM245	C7-391	C7-390	1129.90	1129.69	275.00	3.50	0.00	0.00	0.00	3.51	20.76	0.96	-9E+99	2.89	27.80	2.08	0.59
Little Salt	LSAM246	C6-448	C7-391	1129.92	1129.90	89.00	3.50	0.00	0.00	0.00	3.37	20.76	0.98	-9E+99	1.57	15.08	2.15	0.61
Little Salt	LSAM247	C6-449	C6-448	1130.03	1129.92	62.00	3.00	0.00	0.00	0.00	3.89	20.76	0.89	-9E+99	3.97	28.09	2.15	0.72
Little Salt	LSAM248	C6-450	C6-449	1130.13	1130.03	45.40	3.00	0.00	0.00	0.00	3.98	20.76	0.89	-9E+99	4.43	31.30	2.12	0.71
Little Salt	LSAM221	C7-185	C7-194	1129.18	1128.73	351.00	2.50	0.00	0.00	0.00	2.38	3.19	0.45	-9E+99	2.99	14.69	0.80	0.32
Little Salt	LSAM228	C7-194	C7-232	1128.73	1128.28	351.00	2.50	0.00	0.00	0.00	2.35	3.19	0.45	-9E+99	2.99	14.69	0.82	0.33
Little Salt	LSAM225	C7-165	C7-166	1132.96	1132.49	394.00	2.25	0.00	0.00	0.00	1.34	0.50	0.21	-9E+99	2.69	10.70	0.34	0.15
Little Salt	LSAM222	C7-167	C7-170	1131.92	1131.32	290.00	2.50	0.00	0.00	0.00	1.55	0.50	0.18	-9E+99	3.80	18.66	0.39	0.15
Little Salt	LSAM237	C7-170	C7-316	1131.32	1130.89	334.00	2.50	0.00	-0.38	-0.27	0.95	0.50	0.31	-9E+99	3.00	14.72	0.71	0.28
Little Salt	LSAM232	C7-175	C7-281	1130.67	1130.45	108.00	2.50	0.00	0.00	0.00	2.63	3.19	0.42	-9E+99	3.77	18.51	0.79	0.31
Little Salt	LSAM223	C7-184	C7-185	1129.61	1129.18	328.00	2.50	0.00	0.00	0.00	2.40	3.19	0.44	-9E+99	3.03	14.85	0.79	0.32
Little Salt	LSAM234	C7-182	C7-183	1130.00	1129.64	246.00	2.50	0.00	0.00	0.00	2.16	3.19	0.48	-9E+99	3.20	15.69	1.01	0.40
Little Salt	LSAM227	C7-166	C7-167	1132.49	1131.92	322.00	2.50	0.00	0.00	0.00	1.54	0.50	0.19	-9E+99	3.52	17.26	0.30	0.12
Little Salt	LSAM226	C7-164	C7-165	1133.15	1132.96	132.00	2.25	0.00	0.00	0.00	1.42	0.50	0.20	-9E+99	2.96	11.75	0.34	0.15
Little Salt	LSAM229	C7-233	C7-380	1127.83	1125.73	353.00	2.50	0.01	0.00	0.00	3.56	3.19	0.36	-9E+99	6.44	31.64	2.08	0.83
Little Salt	LSAM233	C7-281	C7-182	1130.45	1130.00	314.00	2.50	0.00	0.00	0.00	2.39	3.19	0.45	-9E+99	3.16	15.53	0.85	0.34
Little Salt	LSAM224	C7-183	C7-184	1129.64	1129.61	335.00	2.50	0.00	0.00	0.00	1.77	3.19	0.53	-9E+99	0.79	3.88	1.01	0.40
Little Salt	LSAM236	C7-176	C7-233	1128.10	1127.83	149.00	2.50	0.00	0.00	0.00	2.85	3.19	0.40	-9E+99	3.56	17.46	0.71	0.29

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM238	C7-316	C7-175	1130.89	1130.67	107.00	2.50	0.00	0.00	0.00	2.76	3.19	0.41	-9E+99	3.79	18.60	0.73	0.29
Little Salt	LSAM239	C7-162	C7-164	1133.15	1133.15	276.00	2.25	0.00	0.00	0.00	0.89	0.50	0.27	-9E+99	0.25	0.98	0.46	0.20
Little Salt	LSAM235	C7-232	C7-176	1128.28	1128.10	202.00	2.50	0.00	0.00	0.00	2.31	3.19	0.45	-9E+99	2.49	12.24	0.82	0.33
Little Salt	LSAM249	C7-151	C7-152	1137.74	1137.40	53.00	2.00	0.01	0.00	0.00	4.40	7.18	0.51	-9E+99	5.77	18.12	1.23	0.62
Little Salt	LSAM250	C7-152	C7-155	1137.40	1136.73	325.00	2.00	0.00	0.00	0.00	3.53	7.18	0.56	-9E+99	3.27	10.27	1.24	0.62
Little Salt	LSAM251	C7-155	C7-158	1136.73	1136.06	327.00	2.00	0.00	0.00	0.00	3.52	7.18	0.56	-9E+99	3.26	10.24	1.24	0.62
Little Salt	LSAM252	C7-158	C7-159	1136.06	1135.38	335.00	2.00	0.00	0.00	0.00	3.53	7.18	0.56	-9E+99	3.24	10.19	1.24	0.62
Little Salt	LSAM253	C7-159	C7-398	1135.38	1134.71	320.00	2.00	0.00	0.00	0.00	3.67	7.18	0.55	-9E+99	3.29	10.35	1.22	0.61
Little Salt	LSAM254	C7-398	C8-50	1134.71	1134.51	34.50	2.00	0.01	0.00	0.00	4.66	7.18	0.49	-9E+99	5.48	17.22	1.06	0.53
Little Salt	LSAM255	C7-33	C7-30	1140.20	1139.90	187.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.38	4.21	-0.41	0.00
Little Salt	LSAM256	C7-30	C7-29	1139.49	1138.96	366.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.26	4.00	0.00	0.00
Little Salt	LSAM257	C7-29	C7-255	1138.96	1138.47	330.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.29	4.05	0.00	0.00
Little Salt	LSAM258	C7-255	C6-452	1138.47	1138.42	33.00	0.67	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.35	0.48	0.00	0.00
Little Salt	LSAM262	C7-314	C7-313	1125.47	1125.32	363.72	4.00	0.00	0.00	0.00	2.22	14.51	1.02	-9E+99	2.32	29.17	2.08	0.52
Little Salt	L1499	C7-343	C-11	1125.54	1125.00	100.00	4.00	0.01	0.00	0.00	6.39	19.23	0.66	-9E+99	8.40	105.56	1.16	0.29
Little Salt	LSAM281	C7-309	C7-343	1124.57	1125.54	82.12	4.00	-0.01	-2.53	-15.55	2.88	19.23	1.02	-9E+99	12.42	156.12	2.13	0.53
Little Salt	LSAM282	C7-310	C7-309	1124.74	1124.57	468.03	4.00	0.00	-1.08	-2.07	2.08	14.51	1.05	-9E+99	2.18	27.38	2.20	0.55
Little Salt	LSAM259	C7-311	C7-310	1124.92	1124.74	449.01	4.00	0.00	-0.78	-0.75	2.12	14.51	1.04	-9E+99	2.29	28.76	2.17	0.54
Little Salt	LSAM260	C7-312	C7-311	1125.12	1124.92	499.01	4.00	0.00	0.00	0.00	2.16	14.51	1.03	-9E+99	2.29	28.76	2.14	0.53
Little Salt	LSAM261	C7-313	C7-312	1125.32	1125.12	499.02	4.00	0.00	0.00	0.00	2.19	14.51	1.02	-9E+99	2.29	28.76	2.11	0.53
Little Salt	LSAM266	C7-307	C7-308	1127.03	1126.58	299.50	1.50	0.00	0.00	0.00	2.45	2.20	0.38	-9E+99	2.30	4.07	0.79	0.53
Little Salt	LSAM263	C7-306	C7-307	1127.63	1127.03	398.90	1.50	0.00	0.00	0.00	2.34	2.20	0.39	-9E+99	2.31	4.07	0.79	0.53
Little Salt	LSAM264	C7-305	C7-306	1128.10	1127.63	313.03	1.50	0.00	0.00	0.00	2.35	2.20	0.39	-9E+99	2.30	4.07	0.79	0.52
Little Salt	LSAM265	C7-304	C7-305	1128.63	1128.10	327.34	1.50	0.00	0.00	0.00	2.40	2.20	0.38	-9E+99	2.39	4.23	0.79	0.52
Little Salt	LSAM290	C7-303	C7-304	1129.03	1128.63	401.96	1.50	0.00	0.00	0.00	2.09	2.20	0.41	-9E+99	1.88	3.31	0.88	0.58
Little Salt	LSAM283	C7-308	C7-309	1126.58	1124.57	128.38	1.50	0.02	0.00	0.00	3.65	2.20	0.28	-9E+99	7.44	13.14	2.20	1.47
Little Salt	LSAM284	C7-375	C8-44	1122.98	1122.89	107.66	4.00	0.00	0.00	0.00	3.07	24.20	1.11	-9E+99	3.30	41.53	2.43	0.61
Little Salt	LSAM267	C7-376	C7-375	1123.22	1122.98	435.27	4.00	0.00	0.00	0.00	3.03	24.20	1.12	-9E+99	2.68	33.73	2.43	0.61
Little Salt	LSAM268	C7-377	C7-376	1123.48	1123.22	434.05	4.00	0.00	0.00	0.00	3.02	24.21	1.12	-9E+99	2.80	35.16	2.44	0.61
Little Salt	LSAM269	C7-378	C7-377	1124.55	1123.48	444.06	3.50	0.00	0.00	0.00	4.31	24.21	0.94	-9E+99	5.13	49.39	2.44	0.70
Little Salt	LSAM270	C7-379	C7-378	1125.14	1124.55	454.06	3.50	0.00	0.00	0.00	4.18	24.21	0.95	-9E+99	3.77	36.27	2.04	0.58
Little Salt	LSAM271	C7-380	C7-379	1125.73	1125.14	457.06	3.50	0.00	0.00	0.00	4.08	24.21	0.96	-9E+99	3.76	36.15	2.08	0.59
Little Salt	LSAM272	C7-381	C7-380	1126.04	1125.73	346.04	3.50	0.00	-0.47	-0.33	3.48	21.04	0.97	-9E+99	3.13	30.11	2.11	0.60
Little Salt	LSAM276	C7-382	C7-276	1126.35	1126.21	155.92	3.50	0.00	0.00	0.00	3.44	21.04	0.98	-9E+99	3.13	30.15	2.13	0.61
Little Salt	LSAM273	C7-383	C7-382	1126.70	1126.35	381.46	3.50	0.00	0.00	0.00	3.43	21.04	0.98	-9E+99	3.17	30.48	2.13	0.61
Little Salt	LSAM274	C7-231	C6-251	1130.13	1129.62	493.91	2.50	0.00	-1.67	-8.39	1.93	-9.38	0.75	-9E+99	2.69	13.18	12.06	4.82
Little Salt	LSAM275	C7-276	C7-381	1126.21	1126.04	186.83	3.50	0.00	-0.27	-0.06	3.46	21.04	0.97	-9E+99	3.15	30.35	2.12	0.61
Little Salt	LSAM292	C7-338	C7-231	1130.56	1130.13	400.18	2.00	0.00	-2.59	-8.39	-2.59	-9.38	0.59	-9E+99	2.36	7.42	11.34	5.67
Little Salt	LSAM277	C7-339	C7-338	1131.04	1130.56	397.99	2.00	0.00	-2.60	-8.38	-2.60	-8.56	0.59	-9E+99	2.50	7.86	10.38	5.19
Little Salt	LSAM278	C7-340	C7-339	1131.58	1131.04	446.74	2.00	0.00	-2.66	-8.57	-2.66	-8.57	0.58	-9E+99	2.50	7.87	9.39	4.70
Little Salt	LSAM279	C7-341	C7-340	1132.00	1131.58	346.27	2.00	0.00	-2.75	-8.80	-2.75	-8.80	0.60	-9E+99	2.51	7.88	8.31	4.16
Little Salt	3183.1	C-11	N1475	0.00	0.00	33.00	0.16	0.00	0.00	0.00	0.00	36.75	0.00	-9E+99	0.00	0.00	-9.00E+99	0.00
Little Salt	C-11 Pump	C-11	N1475	0.00	0.00	33.00	0.16	0.00	0.00	0.00	0.00	36.75	0.00	-9E+99	0.00	0.00	-9.00E+99	0.00
Little Salt	LSAM285	C7-431	C6-495	1132.96	1132.75	219.11	2.50	0.00	0.00	0.00	3.94	19.53	0.76	-9E+99	2.59	12.70	6.47	2.59

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM286	C7-430	C7-431	1133.72	1132.96	710.27	3.00	0.00	0.00	0.00	3.08	20.09	0.91	-9E+99	3.09	21.82	6.47	2.16
Little Salt	LSAM291	C7-429	C7-430	1134.52	1133.72	737.81	3.00	0.00	0.00	0.00	3.25	22.40	0.91	-9E+99	3.11	21.96	7.03	2.34
Little Salt	LSAM287	C7-428	C7-429	1134.96	1134.52	420.60	3.00	0.00	0.00	0.00	4.09	29.17	0.91	-9E+99	3.05	21.57	8.18	2.73
Little Salt	LSAM289	C7-427	C7-428	1135.35	1134.96	358.36	3.00	0.00	0.00	0.00	4.89	34.72	0.91	-9E+99	3.11	22.00	8.18	2.73
Little Salt	L1498	C7-427	C7-341	1135.35	1132.00	408.80	2.00	0.01	-3.24	-10.33	4.73	-12.71	0.51	-9E+99	6.52	20.48	7.55	3.77
Little Salt	LSAM297	C8-4	C8-90	1126.92	1126.54	442.00	3.00	0.00	-0.10	-0.05	3.28	11.12	0.73	-9E+99	2.77	19.56	1.49	0.50
Little Salt	LSAM299	C8-16	C8-15	1130.52	1130.35	492.00	3.00	0.00	0.00	0.00	2.18	9.08	0.81	-9E+99	1.75	12.40	1.72	0.57
Little Salt	LSAM298	C8-12	C8-11	1129.65	1129.30	404.00	3.00	0.00	0.00	0.00	2.52	9.08	0.76	-9E+99	2.78	19.63	1.59	0.53
Little Salt	LSAM301	C8-11	C8-10	1129.30	1129.09	429.00	3.00	0.00	0.00	0.00	2.39	9.08	0.78	-9E+99	2.09	14.76	1.59	0.53
Little Salt	LSAM302	C8-10	C8-9	1129.09	1128.82	394.00	3.00	0.00	0.00	0.00	2.52	9.08	0.76	-9E+99	2.47	17.46	1.52	0.51
Little Salt	LSAM311	C8-9	C8-115	1128.82	1128.69	171.00	3.00	0.00	0.00	0.00	2.55	9.08	0.75	-9E+99	2.60	18.39	1.52	0.51
Little Salt	LSAM307	C8-71	C8-4	1127.06	1126.92	107.00	3.00	0.00	0.00	0.00	3.22	11.12	0.74	-9E+99	3.41	24.13	1.49	0.50
Little Salt	LSAM293	C8-90	C7-314	1126.54	1125.47	89.89	3.00	0.01	0.00	0.00	5.51	14.51	0.63	-9E+99	10.30	72.77	2.06	0.69
Little Salt	LSAM313	C8-13	C8-12	1129.88	1129.65	446.00	3.00	0.00	0.00	0.00	2.41	9.08	0.77	-9E+99	2.14	15.15	1.58	0.53
Little Salt	LSAM312	C8-14	C8-13	1130.12	1129.88	450.00	3.00	0.00	0.00	0.00	2.35	9.08	0.78	-9E+99	2.18	15.40	1.61	0.54
Little Salt	LSAM300	C8-15	C8-14	1130.35	1130.12	450.00	3.00	0.00	0.00	0.00	2.30	9.08	0.79	-9E+99	2.13	15.08	1.64	0.55
Little Salt	LSAM303	C8-92	C8-8	1128.63	1128.53	142.00	3.00	0.00	0.00	0.00	2.52	9.08	0.76	-9E+99	2.50	17.70	1.52	0.51
Little Salt	LSAM306	C8-7	C8-6	1128.19	1127.76	500.00	3.00	0.00	-0.05	-0.03	2.54	9.08	0.75	-9E+99	2.77	19.56	1.59	0.53
Little Salt	LSAM305	C8-6	C8-122	1127.76	1127.69	220.00	3.00	0.00	-0.96	-0.55	2.41	9.08	0.77	-9E+99	1.68	11.90	1.59	0.53
Little Salt	LSAM308	C8-5	C8-71	1127.34	1127.06	330.00	3.00	0.00	0.00	0.00	3.03	11.12	0.76	-9E+99	2.75	19.43	1.55	0.52
Little Salt	LSAM309	C8-122	C8-5	1127.69	1127.34	280.00	3.00	0.00	0.00	0.00	3.13	11.12	0.75	-9E+99	3.34	23.58	1.55	0.52
Little Salt	LSAM310	C8-115	C8-92	1128.69	1128.63	74.00	3.00	0.00	0.00	0.00	2.53	9.08	0.75	-9E+99	2.69	18.99	1.52	0.51
Little Salt	LSAM304	C8-8	C8-7	1128.53	1128.19	500.00	3.00	0.00	0.00	0.00	2.52	9.08	0.76	-9E+99	2.46	17.39	1.52	0.51
Little Salt	LSAM314	C8-44	C8-43	1122.89	1122.67	359.74	4.00	0.00	0.00	0.00	3.03	24.20	1.12	-9E+99	2.83	35.52	2.43	0.61
Little Salt	LSAM315	C8-43	C8-42	1122.67	1122.45	360.00	4.00	0.00	0.00	0.00	3.03	24.20	1.12	-9E+99	2.83	35.51	2.43	0.61
Little Salt	LSAM316	C8-42	C8-41	1122.45	1122.23	364.31	4.00	0.00	0.00	0.00	3.02	24.20	1.12	-9E+99	2.81	35.30	2.43	0.61
Little Salt	LSAM317	C8-41	C8-40	1122.23	1122.21	39.60	4.00	0.00	0.00	0.00	3.02	24.20	1.12	-9E+99	2.57	32.28	2.43	0.61
Little Salt	LSAM318	C8-40	C8-39	1122.21	1121.93	461.09	4.00	0.00	0.00	0.00	3.03	24.20	1.12	-9E+99	2.82	35.40	2.43	0.61
Little Salt	LSAM319	C8-39	C8-38	1121.93	1121.62	515.00	4.00	0.00	0.00	0.00	3.03	24.20	1.12	-9E+99	2.80	35.24	2.43	0.61
Little Salt	LSAM320	C8-38	C8-37	1121.62	1121.31	515.00	4.00	0.00	0.00	0.00	3.04	24.19	1.12	-9E+99	2.80	35.24	2.43	0.61
Little Salt	LSAM321	C8-37	C8-36	1121.31	1121.00	510.00	4.00	0.00	0.00	0.00	3.04	24.19	1.11	-9E+99	2.82	35.41	2.42	0.61
Little Salt	LSAM322	C8-36	C8-35	1121.00	1120.69	515.32	4.00	0.00	0.00	0.00	3.05	24.19	1.11	-9E+99	2.80	35.23	2.42	0.61
Little Salt	LSAM323	C8-35	C8-34	1120.69	1120.64	90.66	4.00	0.00	0.00	0.00	3.06	24.19	1.11	-9E+99	2.68	33.73	2.41	0.60
Little Salt	LSAM324	C8-34	C8-33	1120.64	1120.36	469.02	4.00	0.00	0.00	0.00	3.07	24.19	1.11	-9E+99	2.79	35.10	2.40	0.60
Little Salt	LSAM325	C8-33	C8-32	1120.36	1120.07	475.00	4.00	0.00	0.00	0.00	3.10	24.19	1.11	-9E+99	2.82	35.49	2.38	0.60
Little Salt	LSAM326	C8-32	C8-31	1120.07	1119.77	489.00	4.00	0.00	0.00	0.00	3.13	24.19	1.10	-9E+99	2.83	35.58	2.36	0.59
Little Salt	LSAM327	C8-31	C8-30	1119.77	1119.51	436.00	4.00	0.00	0.00	0.00	3.19	24.19	1.09	-9E+99	2.79	35.08	2.33	0.58
Little Salt	LSAM328	C8-30	C8-29	1119.51	1119.24	440.00	4.00	0.00	0.00	0.00	3.30	24.19	1.08	-9E+99	2.83	35.58	2.28	0.57
Little Salt	LSAM329	C8-29	C8-28	1119.24	1118.48	438.46	4.00	0.00	-0.23	-0.39	3.41	24.19	1.07	-9E+99	4.76	59.80	2.70	0.67
Little Salt	L1505	C8-28	C8-27	1118.48	1118.25	381.54	4.50	0.00	0.00	0.00	3.22	31.29	1.29	-9E+99	3.04	48.28	2.71	0.60
Little Salt	LSAM335	C8-27	C8-26	1118.25	1118.02	380.00	4.50	0.00	0.00	0.00	3.22	31.29	1.29	-9E+99	3.04	48.38	2.74	0.61
Little Salt	LSAM331	C8-25	C8-24	1117.79	1117.74	84.80	4.50	0.00	0.00	0.00	3.22	31.28	1.29	-9E+99	3.00	47.75	2.77	0.62
Little Salt	LSAM332	C8-24	C8-23	1117.74	1117.45	485.88	4.50	0.00	0.00	0.00	3.23	31.27	1.29	-9E+99	3.02	48.04	2.82	0.63
Little Salt	LSAM333	C8-23	C8-22	1117.45	1117.16	490.00	4.50	0.00	0.00	0.00	3.25	31.27	1.29	-9E+99	3.01	47.84	2.87	0.64

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM334	C8-22	C8-21	1117.16	1116.87	490.00	4.50	0.00	0.00	0.00	3.30	31.28	1.29	-9E+99	3.01	47.84	2.94	0.65
Little Salt	LSAM337	C8-21	C8-20	1116.87	1116.57	490.00	4.50	0.00	0.00	0.00	3.39	31.30	1.30	-9E+99	3.06	48.66	3.03	0.67
Little Salt	LSAM336	C8-26	C8-25	1118.02	1117.79	380.00	4.50	0.00	0.00	0.00	3.22	31.28	1.29	-9E+99	3.04	48.38	2.77	0.62
Little Salt	LSAM342	C8-20	C8-19	1116.57	1116.07	489.50	4.50	0.00	0.00	0.00	3.50	31.34	1.32	-9E+99	3.95	62.85	3.37	0.75
Little Salt	LSAM341	C8-50	C8-51	1134.51	1134.27	88.00	2.00	0.00	0.00	0.00	4.33	7.18	0.51	-9E+99	3.76	11.81	1.06	0.53
Little Salt	LSAM347	C8-51	C8-49	1134.27	1132.22	353.00	2.00	0.01	0.00	0.00	5.22	7.18	0.47	-9E+99	5.49	17.24	0.92	0.46
Little Salt	LSAM346	C8-49	C8-70	1132.22	1130.84	252.00	2.00	0.01	0.00	0.00	4.93	7.18	0.48	-9E+99	5.33	16.74	1.12	0.56
Little Salt	LSAM343	C8-70	C8-48	1130.84	1129.97	198.00	2.00	0.00	0.00	0.00	3.77	7.18	0.54	-9E+99	4.77	15.00	1.65	0.82
Little Salt	LSAM345	C8-48	C8-102	1129.97	1130.50	217.00	2.00	0.00	-2.43	-5.71	2.77	7.18	0.59	-9E+99	3.56	11.18	1.27	0.63
Little Salt	LSAM344	C8-102	C8-47	1130.50	1127.72	231.00	2.00	0.01	0.00	0.00	6.58	7.18	0.41	-9E+99	7.90	24.82	0.94	0.47
Little Salt	LSAM339	C8-46	C8-45	1125.48	1123.23	450.00	2.00	0.01	0.00	0.00	4.76	7.18	0.49	-9E+99	5.09	16.00	0.99	0.49
Little Salt	LSAM340	C8-47	C8-46	1127.72	1125.48	450.00	2.00	0.00	0.00	0.00	4.91	7.18	0.48	-9E+99	5.08	15.96	0.99	0.49
Little Salt	LSAM338	C8-45	C8-28	1123.23	1118.48	450.00	2.00	0.01	0.00	0.00	5.55	7.18	0.44	-9E+99	7.40	23.24	2.70	1.35
Little Salt	LSAM360	D8-147	D8-149	1126.15	1124.96	336.00	1.50	0.00	0.00	0.00	2.77	1.55	0.29	-9E+99	3.54	6.25	0.72	0.48
Little Salt	LSAM361	D8-149	D8-150	1124.96	1124.61	350.00	1.50	0.00	0.00	0.00	1.86	1.55	0.36	-9E+99	1.88	3.32	0.72	0.48
Little Salt	LSAM358	D8-150	D8-151	1124.61	1124.23	350.00	1.50	0.00	0.00	0.00	2.00	1.55	0.35	-9E+99	1.96	3.46	0.70	0.47
Little Salt	LSAM359	D8-151	D8-163	1124.23	1121.65	294.00	1.50	0.01	0.00	0.00	3.77	1.55	0.25	-9E+99	5.57	9.84	0.45	0.30
Little Salt	LSAM357	D8-163	C8-19	1121.65	1116.28	263.00	1.50	0.02	0.00	0.00	5.00	1.64	0.21	-9E+99	8.49	15.01	3.16	2.11
Little Salt	LSAM356	D8-81	D8-87	1136.25	1132.56	111.00	2.00	0.03	0.00	0.00	1.89	0.10	0.09	-9E+99	13.13	41.25	0.95	0.48
Little Salt	LSAM355	D8-87	D8-185	1132.56	1132.27	182.00	2.00	0.00	0.00	0.00	2.65	3.94	0.49	-9E+99	2.87	9.03	1.00	0.50
Little Salt	LSAM354	D8-185	D8-86	1132.27	1131.99	278.00	2.00	0.00	0.00	0.00	2.58	3.94	0.49	-9E+99	2.29	7.18	1.00	0.50
Little Salt	LSAM353	D8-86	D8-91	1131.99	1131.75	100.00	2.00	0.00	0.00	0.00	3.30	3.94	0.43	-9E+99	3.53	11.08	0.81	0.41
Little Salt	LSAM352	D8-91	D8-141	1131.75	1130.95	267.00	2.00	0.00	0.00	0.00	3.48	3.94	0.42	-9E+99	3.94	12.38	0.79	0.40
Little Salt	LSAM351	D8-141	D8-88	1130.95	1130.55	145.00	2.00	0.00	0.00	0.00	3.40	3.94	0.43	-9E+99	3.78	11.88	0.79	0.40
Little Salt	LSAM350	D8-88	D8-171	1130.55	1129.54	351.00	2.00	0.00	0.00	0.00	3.45	3.94	0.42	-9E+99	3.86	12.14	0.78	0.39
Little Salt	LSAM349	D8-171	D8-89	1129.54	1129.38	56.00	2.00	0.00	0.00	0.00	3.47	3.94	0.42	-9E+99	3.85	12.09	0.78	0.39
Little Salt	LSAM348	D8-89	D9-84	1129.38	1128.13	408.00	2.00	0.00	0.00	0.00	3.41	3.94	0.42	-9E+99	3.99	12.52	0.94	0.47
	LSAM100	C8-19	C9-10	1116.07	1115.57	506.00	4.50	0.00	0.00	0.00	3.44	32.87	1.36	-9E+99	3.89	61.82	3.72	0.83
Little Salt	LSAM362	D8-226	D8-87	1133.24	1132.56	159.00	2.00	0.00	0.00	0.00	3.62	3.84	0.40	-9E+99	4.71	14.79	0.95	0.48
Little Salt	LSAM364	D8-218	D8-219	1140.44	1139.50	550.00	1.75	0.00	0.00	0.00	2.49	2.31	0.38	-9E+99	2.72	6.55	0.72	0.41
Little Salt	LSAM365	D8-219	D8-220	1139.50	1138.57	550.00	1.75	0.00	0.00	0.00	2.48	2.31	0.38	-9E+99	2.71	6.52	0.72	0.41
Little Salt	LSAM367	D8-220	D8-221	1138.57	1137.63	550.00	1.75	0.00	0.00	0.00	2.48	2.31	0.38	-9E+99	2.72	6.55	0.73	0.42
Little Salt	LSAM368	D8-222	D8-223	1136.74	1135.84	525.00	1.75	0.00	0.00	0.00	2.47	2.31	0.38	-9E+99	2.73	6.56	0.73	0.42
Little Salt	LSAM366	D8-221	D8-222	1137.63	1136.74	550.00	1.75	0.00	0.00	0.00	2.44	2.31	0.39	-9E+99	2.65	6.37	0.73	0.42
Little Salt	LSAM369	D8-223	D8-224	1135.84	1134.71	525.00	1.75	0.00	0.00	0.00	2.64	2.31	0.37	-9E+99	3.06	7.35	0.77	0.44
Little Salt	LSAM370	D8-224	D8-225	1134.71	1133.81	663.00	1.75	0.00	0.00	0.00	2.25	2.31	0.40	-9E+99	2.43	5.84	0.82	0.47
Little Salt	LSAM371	D8-225	D8-226	1133.81	1133.24	530.00	1.75	0.00	0.00	0.00	2.12	2.31	0.42	-9E+99	2.16	5.20	0.82	0.47
Stevens Creek	LSAM69	D8-230	D9-98	1112.84	1112.09	933.00	6.00	0.00	0.00	0.00	5.62	159.47	1.84	-9E+99	4.25	120.07	9.05	1.51
Stevens Creek	LSAM372	D8-229	D8-230	1112.84	1113.32	173.00	6.00	0.00	-4.96	-144.03	5.62	159.47	1.84	-9E+99	7.89	223.08	9.05	1.51
Stevens Creek	PSC1	SV-MH-85	SV-MH-84	1292.52	1281.52	550.00	1.50	0.02	0.00	0.00	7.97	6.56	0.36	-9E+99	8.41	14.86	0.81	0.54
Stevens Creek	PSC2	SV-MH-84	SV-MH-83	1281.52	1274.32	599.99	1.50	0.01	0.00	0.00	6.72	6.56	0.39	-9E+99	6.51	11.51	0.81	0.54
Stevens Creek	PSC3	SV-MH-83	SV-MH 82	1274.07	1271.87	550.00	1.75	0.00	0.00	0.00	4.43	6.56	0.48	-9E+99	4.17	10.02	1.05	0.60
Stevens Creek	PSC4	SV-MH 82	SV-MH-81	1271.87	1269.67	550.00	1.75	0.00	0.00	0.00	4.38	6.56	0.48	-9E+99	4.17	10.02	1.05	0.60
Stevens Creek	PSC5	SV-MH-81	SV-MH-80	1269.42	1266.42	600.00	2.00	0.01	0.00	0.00	5.45	10.95	0.56	-9E+99	5.09	16.00	1.23	0.61

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Stevens Creek	PSC6	SV-MH-80	SV-MH-79	1266.32	1263.32	600.00	2.00	0.01	0.00	0.00	5.48	10.95	0.56	-9E+99	5.09	16.00	1.22	0.61
Stevens Creek	PSC7	SV-MH-79	SV-MH-78	1263.32	1260.82	500.00	2.00	0.01	0.00	0.00	5.48	10.95	0.56	-9E+99	5.09	16.00	1.22	0.61
Stevens Creek	PSC8	SV-MH-78	SV-MH-77	1260.82	1258.32	500.00	2.00	0.01	0.00	0.00	5.48	10.95	0.56	-9E+99	5.09	16.00	1.22	0.61
Stevens Creek	PSC9	SV-MH-77	SV-JSE-5C	1258.32	1255.82	500.00	2.00	0.01	0.00	0.00	5.42	10.95	0.56	-9E+99	5.09	16.00	1.32	0.66
Stevens Creek	PSC10	SV-JSE-5C	SV-MH-76	1255.32	1253.04	600.00	2.50	0.00	0.00	0.00	5.80	22.17	0.75	-9E+99	5.15	25.28	1.82	0.73
Stevens Creek	PSC11	SV-MH-76	SV-MH-75	1253.04	1250.76	600.00	2.50	0.00	0.00	0.00	5.80	22.17	0.75	-9E+99	5.15	25.28	1.83	0.73
Stevens Creek	PSC12	SV-MH-75	SV-MH-74	1250.76	1248.48	600.00	2.50	0.00	0.00	0.00	5.80	22.17	0.75	-9E+99	5.15	25.28	1.83	0.73
Stevens Creek	PSC13	SV-MH-74	SV-MH-73	1248.38	1246.65	455.01	2.50	0.00	0.00	0.00	5.75	22.17	0.75	-9E+99	5.15	25.29	1.88	0.75
Stevens Creek	PSC14	SV-MH-73	SV-MH-72	1246.65	1243.63	795.00	2.50	0.00	0.00	0.00	5.84	23.16	0.75	-9E+99	5.15	25.28	1.88	0.75
Stevens Creek	PSC15	SV-MH-72	SV-MH-71	1243.63	1242.30	350.00	2.50	0.00	0.00	0.00	5.89	23.16	0.75	-9E+99	5.15	25.28	1.88	0.75
Stevens Creek	PSC16	SV-MH-71	SV-MH-70	1242.20	1239.92	600.00	2.50	0.00	0.00	0.00	5.84	23.16	0.75	-9E+99	5.15	25.28	1.89	0.76
Stevens Creek	PSC17	SV-MH-70	SV-MH-69	1239.92	1237.64	600.00	2.50	0.00	0.00	0.00	5.84	23.16	0.75	-9E+99	5.15	25.28	1.89	0.76
Stevens Creek	PSC18	SV-MH-69	SV-MH-68	1237.54	1235.26	600.00	2.50	0.00	0.00	0.00	5.82	23.16	0.75	-9E+99	5.15	25.28	1.93	0.77
Stevens Creek	PSC19	SV-MH-68	SV-MH-67	1235.26	1230.01	699.99	2.50	0.01	0.00	0.00	7.86	25.43	0.71	-9E+99	7.24	35.52	1.57	0.63
Stevens Creek	PSC20	SV-MH-67	SV-MH-66	1230.01	1224.76	700.00	2.50	0.01	0.00	0.00	7.86	25.43	0.71	-9E+99	7.24	35.52	1.57	0.63
Stevens Creek	PSC21	SV-MH-66	SV-MH-65	1224.66	1219.16	500.00	2.50	0.01	0.00	0.00	9.12	25.43	0.66	-9E+99	8.76	43.02	1.38	0.55
Stevens Creek	PSC22	SV-MH-65	SV-MH-64	1218.66	1214.46	1050.00	3.00	0.00	0.00	0.00	6.19	25.43	0.81	-9E+99	5.97	42.18	1.70	0.57
Stevens Creek	PSC23	SV-MH-64	SV-MH-63	1214.36	1210.56	949.99	3.00	0.00	0.00	0.00	6.19	25.43	0.81	-9E+99	5.97	42.18	1.70	0.57
Stevens Creek	PSC24	SV-MH-63	SV-MH-62	1210.46	1206.26	1050.00	3.00	0.00	0.00	0.00	6.24	25.43	0.80	-9E+99	5.97	42.18	1.68	0.56
Stevens Creek	PSC25	SV-MH-62	SV-MH-61	1206.26	1202.20	1014.19	3.00	0.00	0.00	0.00	6.24	25.43	0.80	-9E+99	5.97	42.20	1.70	0.57
Stevens Creek	PSC26	SV-MH-61	SV-MH-60	1202.20	1199.93	568.55	3.00	0.00	0.00	0.00	6.05	25.43	0.81	-9E+99	5.96	42.14	1.95	0.65
Stevens Creek	PSC27	SV-MH-60	SV-MH-59	1199.93	1198.88	420.93	3.00	0.00	0.00	0.00	5.25	25.43	0.86	-9E+99	4.71	33.31	1.95	0.65
Stevens Creek	PSC28	SV-MH-59	SV-MH-58	1198.78	1197.49	514.39	3.00	0.00	0.00	0.00	5.22	25.43	0.86	-9E+99	4.73	33.40	1.96	0.65
Stevens Creek	PSC29	SV-MH-58	SV-MH-57	1197.39	1195.14	900.00	3.00	0.00	0.00	0.00	5.23	26.42	0.88	-9E+99	4.72	33.35	2.02	0.67
Stevens Creek	PSC30	SV-MH-57	SV-MH-56	1195.14	1192.89	901.94	3.00	0.00	0.00	0.00	5.20	26.41	0.88	-9E+99	4.71	33.31	2.07	0.69
Stevens Creek	PSC31	SV-MH-56	SV-MH-55	1192.89	1191.10	714.94	3.00	0.00	0.00	0.00	5.27	27.36	0.88	-9E+99	4.72	33.37	2.07	0.69
Stevens Creek	PSC32	SV-MH-55	SV-MH-54	1191.10	1188.39	1085.06	3.00	0.00	0.00	0.00	5.26	27.36	0.88	-9E+99	4.72	33.33	2.08	0.69
Stevens Creek	PSC33	SV-MH-54	SV-MH-53	1188.39	1185.64	1100.00	3.00	0.00	0.00	0.00	5.26	27.36	0.88	-9E+99	4.72	33.35	2.08	0.69
Stevens Creek	PSC34	SV-MH-53	SV-MH-52	1185.14	1184.17	970.00	3.50	0.00	0.00	0.00	3.70	27.36	1.04	-9E+99	3.31	31.82	2.52	0.72
Stevens Creek	PSC35	SV-MH-52	SV-MH-51	1184.17	1183.47	700.00	3.50	0.00	0.00	0.00	3.77	27.90	1.04	-9E+99	3.31	31.82	2.52	0.72
Stevens Creek	PSC36	SV-MH-51	SV-MH-50	1183.47	1182.77	699.99	3.50	0.00	0.00	0.00	3.82	27.90	1.04	-9E+99	3.31	31.82	2.49	0.71
Stevens Creek	PSC37	SV-MH-50	SV-JSE-4	1182.77	1181.72	1050.01	3.50	0.00	0.00	0.00	4.00	27.90	1.02	-9E+99	3.31	31.82	2.43	0.69
Stevens Creek	PSC38	SV-JSE-4	SV-MH-49	1181.22	1179.64	750.00	4.00	0.00	0.00	0.00	5.69	46.67	1.13	-9E+99	5.25	65.93	2.49	0.62
Stevens Creek	PSC39	SV-MH-49	SV-MH-48	1179.64	1178.06	750.00	4.00	0.00	0.00	0.00	5.69	46.67	1.13	-9E+99	5.25	65.93	2.49	0.62
Stevens Creek	PSC40	SV-MH-48	SV-MH-47	1178.06	1176.58	702.39	4.00	0.00	0.00	0.00	5.68	46.67	1.13	-9E+99	5.25	65.94	2.49	0.62
Stevens Creek	PSC41	SV-MH-47	SV-MH-46	1176.58	1174.91	797.61	4.00	0.00	0.00	0.00	5.67	46.67	1.13	-9E+99	5.23	65.73	2.49	0.62
Stevens Creek	PSC42	SV-MH-46	SV-MH-45	1174.91	1172.60	1100.00	4.00	0.00	0.00	0.00	5.68	46.67	1.13	-9E+99	5.24	65.83	2.49	0.62
Stevens Creek	PSC43	SV-MH-45	SV-MH-44	1172.60	1170.29	1100.00	4.00	0.00	0.00	0.00	5.66	46.67	1.13	-9E+99	5.24	65.83	2.52	0.63
Stevens Creek	PSC44	SV-MH-44	SV-JSE-3A	1170.29	1167.98	1099.99	4.00	0.00	0.00	0.00	5.68	46.67	1.13	-9E+99	5.24	65.83	2.52	0.63
Stevens Creek	PSC45	SV-JSE-3A	SV-MH-43	1167.48	1165.56	800.00	4.50	0.00	0.00	0.00	6.53	66.37	1.27	-9E+99	6.06	96.34	2.75	0.61
Stevens Creek	PSC46	SV-MH-43	SV-MH-42	1165.56	1163.40	900.01	4.50	0.00	0.00	0.00	6.53	66.37	1.27	-9E+99	6.06	96.34	2.75	0.61
Stevens Creek	PSC47	SV-MH-42	SV-MH-41	1163.40	1161.12	950.00	4.50	0.00	0.00	0.00	6.53	66.37	1.27	-9E+99	6.06	96.34	2.75	0.61
Stevens Creek	PSC48	SV-MH-41	SV-MH-40	1161.12	1158.84	950.00	4.50	0.00	0.00	0.00	6.53	66.37	1.27	-9E+99	6.06	96.34	2.75	0.61
Stevens Creek	PSC49	SV-MH-40	SV-MH-39	1158.84	1156.68	900.00	4.50	0.00	0.00	0.00	6.53	66.37	1.28	-9E+99	6.06	96.34	2.75	0.61

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Stevens Creek	PSC50	SV-MH-39	SV-MH-38	1156.68	1154.88	750.00	4.50	0.00	0.00	0.00	6.53	66.37	1.28	-9E+99	6.06	96.34	2.75	0.61
Stevens Creek	PSC51	SV-MH-38	SV-MH-37	1154.88	1153.08	750.00	4.50	0.00	0.00	0.00	6.53	66.37	1.28	-9E+99	6.06	96.34	2.75	0.61
Stevens Creek	PSC52	SV-MH-37	SV-MH-36	1153.08	1151.87	502.68	4.50	0.00	0.00	0.00	6.53	66.37	1.28	-9E+99	6.07	96.48	2.75	0.61
Stevens Creek	PSC53	SV-MH-36	SV-JSE-3E	1151.87	1149.78	870.00	4.50	0.00	0.00	0.00	6.53	66.37	1.28	-9E+99	6.06	96.38	2.75	0.61
Stevens Creek	PSC54	SV-JSE-3E	SV-MH-35	1149.68	1148.13	646.89	4.50	0.00	0.00	0.00	6.59	69.43	1.31	-9E+99	6.05	96.26	2.83	0.63
Stevens Creek	PSC55	SV-MH-35	SV-MH-34	1148.13	1145.52	1087.23	4.50	0.00	0.00	0.00	6.59	69.43	1.32	-9E+99	6.06	96.35	2.83	0.63
Stevens Creek	PSC56	SV-MH-34	SV-MH-33	1145.52	1142.91	1087.22	4.50	0.00	0.00	0.00	6.59	69.43	1.32	-9E+99	6.06	96.35	2.83	0.63
Stevens Creek	PSC57	SV-MH-33	SV-MH-32	1142.91	1142.01	373.59	4.50	0.00	0.00	0.00	6.60	69.43	1.32	-9E+99	6.07	96.52	2.83	0.63
Stevens Creek	PSC58	SV-MH-32	SV-MH-31	1142.01	1141.56	185.61	4.50	0.00	0.00	0.00	6.60	69.43	1.32	-9E+99	6.09	96.83	2.83	0.63
Stevens Creek	PSC59	SV-MH-31	SV-MH-30	1141.56	1139.93	679.85	4.50	0.00	0.00	0.00	6.59	69.43	1.32	-9E+99	6.05	96.29	2.84	0.63
Stevens Creek	PSC60	SV-MH-30	SV-MH-29	1139.93	1138.30	679.84	4.50	0.00	0.00	0.00	6.58	69.43	1.32	-9E+99	6.05	96.29	2.85	0.63
Stevens Creek	PSC61	SV-MH-29	SV-MH-28	1138.30	1137.46	350.68	4.50	0.00	0.00	0.00	6.56	69.42	1.33	-9E+99	6.05	96.24	2.88	0.64
Stevens Creek	PSC62	SV-MH-28	SV-MH-27	1137.46	1134.81	1104.71	4.50	0.00	0.00	0.00	6.52	69.40	1.33	-9E+99	6.06	96.31	3.18	0.71
Stevens Creek	PSC63	SV-MH-27	SV-JSE-2	1134.81	1134.15	274.31	4.50	0.00	0.00	0.00	6.31	69.27	1.34	-9E+99	6.06	96.46	3.43	0.76
Stevens Creek	PSC64	SV-JSE-2	SV-MH-26	1133.66	1132.19	1130.12	5.00	0.00	0.00	0.00	5.33	78.24	1.67	-9E+99	4.78	93.93	4.37	0.87
Stevens Creek	PSC65	SV-MH-26	SV-MH-25	1132.19	1130.68	1164.14	5.00	0.00	0.00	0.00	5.31	77.72	1.68	-9E+99	4.78	93.80	4.93	0.99
Stevens Creek	PSC66	SV-MH-25	SV-MH-24	1130.68	1129.78	694.76	5.00	0.00	0.00	0.00	5.29	77.78	1.69	-9E+99	4.77	93.74	5.24	1.05
Stevens Creek	PSC67	SV-MH-24	SV-MH-23	1129.78	1128.88	694.25	5.00	0.00	0.00	0.00	5.28	77.85	1.71	-9E+99	4.78	93.77	5.57	1.11
Stevens Creek	PSC68	SV-MH-23	SV-MH-22	1128.88	1127.99	686.11	5.00	0.00	0.00	0.00	5.24	77.96	1.73	-9E+99	4.78	93.80	5.90	1.18
Stevens Creek	PSC69	SV-MH-22	SV-MH-21	1127.99	1127.10	686.11	5.00	0.00	0.00	0.00	5.19	78.21	1.77	-9E+99	4.78	93.80	6.21	1.24
Stevens Creek	PSC70	SV-MH-21	SV-MH-20	1127.10	1126.25	711.93	5.00	0.00	0.00	0.00	5.10	78.51	1.81	-9E+99	4.58	89.99	6.43	1.29
Stevens Creek	PSC71	SV-MH-20	SV-MH-19	1126.25	1125.40	711.93	5.00	0.00	0.00	0.00	5.09	78.76	1.85	-9E+99	4.58	89.99	6.65	1.33
Stevens Creek	PSC72	SV-MH-19	SV-MH-18	1125.40	1124.13	1061.82	5.00	0.00	0.00	0.00	5.06	79.09	1.87	-9E+99	4.59	90.07	6.98	1.40
Stevens Creek	PSC73	SV-MH-18	SV-MH-17	1124.13	1122.86	1061.83	5.00	0.00	0.00	0.00	5.00	79.50	1.82	-9E+99	4.59	90.07	7.32	1.46
Stevens Creek	PSC74	SV-MH-17	SV-MH-16	1122.86	1121.59	1061.83	5.00	0.00	0.00	0.00	4.90	81.20	1.55	-9E+99	4.59	90.07	7.65	1.53
Stevens Creek	PSC75	SV-MH-16	SV-MH-15	1121.59	1120.40	989.96	5.00	0.00	0.00	0.00	4.70	83.96	1.52	-9E+99	4.60	90.30	7.98	1.60
Stevens Creek	PSC76	SV-MH-15	SV-JSE-1	1120.40	1120.11	239.82	5.00	0.00	-1.14	-1.71	4.39	83.12	1.52	-9E+99	4.61	90.57	8.06	1.61
Stevens Creek	PSC77	SV-JSE-1	SV-MH-14	1120.11	1119.65	572.70	5.50	0.00	0.00	0.00	4.33	96.93	1.67	-9E+99	4.01	95.17	8.16	1.48
Stevens Creek	PSC78	SV-MH-14	SV-MH13	1119.65	1118.93	899.99	5.50	0.00	0.00	0.00	4.28	89.41	1.67	-9E+99	4.00	94.98	8.32	1.51
Stevens Creek	PSC79	SV-MH13	SV-MH-12	1118.93	1118.25	850.07	5.50	0.00	0.00	0.00	4.20	89.11	1.67	-9E+99	4.00	94.98	8.47	1.54
Stevens Creek	PSC80	SV-MH-12	SV-MH-11	1118.25	1117.45	997.69	5.50	0.00	0.00	0.00	4.10	91.34	1.67	-9E+99	4.00	95.09	8.64	1.57
Stevens Creek	PSC81	SV-MH-11	SV-MH-10	1117.45	1116.57	1100.00	5.50	0.00	0.00	0.00	3.92	91.46	1.67	-9E+99	4.00	94.98	8.83	1.61
Stevens Creek	PSC82	SV-MH-10	SV-MH-9	1116.57	1115.73	1050.01	5.50	0.00	-0.35	-0.85	3.76	91.10	1.67	-9E+99	4.00	94.98	9.02	1.64
Stevens Creek	PSC83	SV-MH-9	SV-MH-8	1115.73	1114.89	1050.00	5.50	0.00	-1.15	-5.63	3.80	92.16	1.67	-9E+99	4.00	94.98	9.21	1.68
Stevens Creek	PSC84	SV-MH-8	SV-E8-1	1114.89	1114.10	987.82	5.50	0.00	-2.09	-15.04	3.83	92.47	1.67	-9E+99	4.00	94.97	9.45	1.72
Stevens Creek	PSC86	SV-E8-2	D8-229	1113.81	1113.24	715.69	6.00	0.00	0.00	0.00	5.31	150.76	1.84	-9E+99	4.23	119.52	9.22	1.54
Stevens Creek	PSC85	SV-E8-1	SV-E8-2	1114.10	1113.81	366.69	6.00	0.00	0.00	0.00	5.37	156.82	1.84	-9E+99	4.21	119.10	9.45	1.58
UNK	L1501	D8-24	D8-25	1138.56	1138.45	86.19	1.75	0.00	0.00	0.00	3.07	7.18	0.53	-9E+99	2.35	5.66	1.65	0.94
UNK	L1502	D8-25	D8-187	1138.45	1138.22	208.96	1.75	0.00	0.00	0.00	3.15	7.18	0.53	-9E+99	2.19	5.26	1.60	0.91
UNK	L1503	D8-187	D7-403	1138.22	1138.02	200.02	1.75	0.00	0.00	0.00	3.55	7.18	0.53	-9E+99	2.08	5.01	1.42	0.81
UNK	L1504	D7-403	C7-151	1138.02	1137.74	49.67	1.75	0.01	0.00	0.00	5.09	7.18	0.47	-9E+99	4.95	11.90	1.01	0.58
UNK	L1507	N1474	A5-42	1142.42	1142.42	404.00	0.67	0.00	0.00	0.00	3.70	1.34	0.17	-9E+99	0.11	0.04	5.00	7.46
UNK	Existing	N1475	C7-427	1130.00	1136.35	625.25	2.00	-0.01	3.75	10.18	6.78	22.04	0.60	-9E+99	7.26	22.80	12.90	6.45
UNK	Future	N1475	C7-427	1125.00	1135.35	625.25	3.00	-0.02	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00

Table A6 - Pipe Tier 2 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity (ft/s)	Minimum Flow (ft^3/s)	Maximum Velocity (ft/s)	Maximum Flow (cfs)	Maximum Hydraulic Radius (ft)	Final Flow (cfs)	Design Velocity (ft/s)	Design Full Flow (cfs)	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
UNK	OAK-S1-1	N1477	B6-2942	1107.50	1121.50	220.51	2.50	-0.06	-3.86	-19.39	4.47	22.60	0.74	-9E+99	21.05	103.35	16.31	6.52
UNK	OAK-S2-1	N1477	B6-2942	1107.50	1121.50	220.51	2.00	-0.06	-3.27	-10.74	3.81	-14.53	0.60	-9E+99	18.14	57.00	16.31	8.15
UNK	OAK-S3-1	N1477	B6-2942	1107.50	1121.50	220.50	2.50	-0.06	-3.86	-19.39	4.47	22.60	0.74	-9E+99	21.05	103.35	16.31	6.52
UNK	L1516	N1478	N1479	1136.74	1136.74	179.00	0.67	0.00	-2.35	-0.89	5.39	2.34	0.20	-9E+99	0.11	0.04	26.66	39.97
UNK	L1517	N1479	AA7-21	1136.74	1150.26	15.00	0.67	-0.90	-5.62	-2.34	5.63	2.34	0.17	-9E+99	32.88	11.49	21.84	32.74
UNK	L1519	N1482	N1483	1136.89	1136.89	171.69	1.00	0.00	0.00	0.00	6.55	5.95	0.27	-9E+99	0.14	0.11	26.11	26.11
UNK	L1520	N1483	AA7-22	1136.89	1149.76	15.00	1.00	-0.86	-6.52	-5.78	6.72	5.95	0.25	-9E+99	42.02	33.00	22.40	22.40

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Antelope Creek	PP716	B5-632	B5-633	1135.40	1133.54	350.00	1.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	4.33	7.66	-0.04	0.00
Antelope Creek	PP717	B5-633	B5-635	1133.54	1130.57	378.00	1.50	0.01	0.00	0.00	0.00	0.00	0.05	-9E+99	5.27	9.31	1.02	0.00
Antelope Creek	PP543	D2-179	D2-178	1257.23	1257.01	365.00	2.50	0.00	0.00	0.00	2.14	7.74	0.74	-9E+99	2.05	10.07	1.75	0.70
Antelope Creek	PP544	D2-178	D2-177	1257.01	1256.65	623.00	2.50	0.00	0.00	0.00	2.10	7.73	0.74	-9E+99	2.01	9.86	1.81	0.72
Antelope Creek	PP545	D2-177	D2-73	1256.65	1256.72	401.19	2.50	0.00	-1.92	-5.85	2.08	7.73	0.74	-9E+99	1.10	5.42	1.74	0.69
Antelope Creek	PP546	D2-73	D2-72	1256.72	1256.08	583.16	2.50	0.00	0.00	0.00	2.46	7.73	0.70	-9E+99	2.77	13.59	1.76	0.70
Antelope Creek	PP547	D2-72	D2-71	1256.08	1255.73	600.00	2.50	0.00	0.00	0.00	2.11	7.73	0.74	-9E+99	2.02	9.91	1.81	0.73
Antelope Creek	PP548	D2-71	D2-161	1255.73	1255.59	260.34	2.50	0.00	0.00	0.00	2.04	7.73	0.75	-9E+99	1.94	9.51	1.83	0.73
Antelope Creek	PP549	D2-161	D2-70	1255.59	1255.46	239.66	2.50	0.00	0.00	0.00	2.02	7.73	0.75	-9E+99	1.95	9.55	1.86	0.74
Antelope Creek	PP550	D2-70	D2-69	1255.46	1255.13	544.40	2.50	0.00	0.00	0.00	1.98	7.73	0.75	-9E+99	2.06	10.10	1.96	0.78
Antelope Creek	PP551	D2-69	D2-68	1255.13	1254.83	355.60	2.50	0.00	0.00	0.00	1.92	7.73	0.76	-9E+99	2.43	11.91	2.13	0.85
Antelope Creek	PP552	D2-68	D2-392	1254.83	1254.82	83.20	2.50	0.00	0.00	0.00	1.76	7.73	0.76	-9E+99	0.92	4.50	2.13	0.85
Antelope Creek	PP553	E0-4	E0-17	1311.85	1306.00	486.00	1.50	0.01	0.00	0.00	3.90	2.18	0.27	-9E+99	6.52	11.52	1.42	0.95
Antelope Creek	PP554	E0-17	E1-93	1306.00	1305.40	100.00	1.50	0.01	0.00	0.00	4.46	7.14	0.45	-9E+99	4.60	8.14	1.61	1.07
Antelope Creek	PP555	E1-93	E1-1	1305.40	1304.50	303.00	1.50	0.00	0.00	0.00	4.00	7.14	0.45	-9E+99	3.24	5.72	1.61	1.07
Antelope Creek	PP556	E1-1	E1-2	1304.50	1302.00	424.00	1.50	0.01	0.00	0.00	5.09	7.14	0.45	-9E+99	4.56	8.07	1.12	0.75
Antelope Creek	PP557	E1-2	E1-3	1302.00	1298.75	437.00	1.50	0.01	0.00	0.00	5.68	7.14	0.44	-9E+99	5.13	9.06	1.00	0.67
Antelope Creek	PP558	E1-3	E1-4	1298.75	1295.31	434.00	1.50	0.01	0.00	0.00	5.60	7.14	0.44	-9E+99	5.29	9.35	1.32	0.88
Antelope Creek	PP559	E1-4	D1-427	1295.31	1295.00	104.00	1.50	0.00	0.00	0.00	4.41	7.14	0.45	-9E+99	3.25	5.73	1.32	0.88
Antelope Creek	PP560	D1-427	D1-428	1295.00	1291.52	597.00	1.50	0.01	0.00	0.00	5.08	7.14	0.45	-9E+99	4.54	8.02	1.22	0.81
Antelope Creek	PP561	D1-428	D1-429	1291.52	1288.95	469.00	1.50	0.01	0.00	0.00	4.77	7.14	0.45	-9E+99	4.40	7.78	1.61	1.08
Antelope Creek	PP562	D1-429	D1-430	1288.95	1286.80	557.00	1.50	0.00	0.00	0.00	4.13	7.14	0.45	-9E+99	3.69	6.53	1.61	1.08
Antelope Creek	PP563	D1-430	D1-510	1286.80	1286.18	62.00	1.50	0.01	0.00	0.00	5.61	7.14	0.44	-9E+99	5.94	10.50	1.21	0.80
Antelope Creek	PP564	D1-510	D1-431	1286.18	1283.35	519.00	1.50	0.01	0.00	0.00	4.67	7.14	0.45	-9E+99	4.39	7.76	1.56	1.04
Antelope Creek	PP565	D1-431	D1-432	1283.35	1282.86	404.00	1.75	0.00	0.00	0.00	3.28	7.14	0.52	-9E+99	2.29	5.52	1.56	0.89
Antelope Creek	PP566	D1-432	D1-433	1282.86	1277.96	326.00	1.75	0.02	0.00	0.00	7.21	7.14	0.39	-9E+99	8.08	19.43	0.92	0.53
Antelope Creek	PP567	D1-433	D1-434	1277.96	1276.44	194.00	1.75	0.01	0.00	0.00	5.30	7.14	0.46	-9E+99	5.83	14.03	1.33	0.76
Antelope Creek	PP568	D1-434	D1-550	1276.44	1276.06	202.00	1.75	0.00	0.00	0.00	3.69	7.14	0.53	-9E+99	2.86	6.87	1.33	0.76
Antelope Creek	PP569	D1-550	D1-435	1276.06	1275.90	48.00	1.75	0.00	0.00	0.00	4.40	7.14	0.50	-9E+99	3.80	9.15	1.12	0.64
Antelope Creek	PP570	D1-435	D1-547	1275.90	1274.55	311.00	1.75	0.00	0.00	0.00	4.44	7.14	0.50	-9E+99	4.34	10.44	1.32	0.75
Antelope Creek	PP571	D1-547	D1-436	1274.55	1274.27	155.00	1.75	0.00	0.00	0.00	3.73	7.14	0.53	-9E+99	2.80	6.73	1.32	0.75
Antelope Creek	PP572	D1-436	D1-437	1274.27	1273.12	303.00	1.75	0.00	0.00	0.00	4.41	7.14	0.50	-9E+99	4.06	9.76	1.13	0.65
Antelope Creek	PP573	D1-437	D1-548	1273.12	1268.61	543.00	1.75	0.01	0.00	0.00	5.98	7.14	0.44	-9E+99	6.00	14.44	0.87	0.50
Antelope Creek	PP574	D1-548	D1-440	1268.61	1266.81	185.00	1.75	0.01	0.00	0.00	5.57	7.14	0.45	-9E+99	6.50	15.63	1.38	0.79
Antelope Creek	PP575	D1-440	D1-441	1266.81	1266.79	136.00	1.75	0.00	0.00	0.00	3.65	7.14	0.52	-9E+99	0.80	1.92	1.38	0.79
Antelope Creek	PP576	D1-441	D1-442	1266.79	1264.91	244.00	1.75	0.01	0.00	0.00	5.77	7.14	0.44	-9E+99	5.78	13.91	0.93	0.53
Antelope Creek	PP577	D1-442	D1-443	1264.91	1263.14	270.00	1.75	0.01	0.00	0.00	5.47	7.14	0.45	-9E+99	5.33	12.83	0.93	0.53
Antelope Creek	PP578	D1-443	D1-444	1263.14	1259.56	379.00	1.75	0.01	0.00	0.00	6.09	7.14	0.43	-9E+99	6.40	15.40	1.04	0.60
Antelope Creek	PP579	D1-444	D1-582	1259.54	1258.09	316.00	1.75	0.00	0.00	0.00	4.57	7.14	0.49	-9E+99	4.46	10.73	1.29	0.74
Antelope Creek	PP580	D1-582	D2-381	1258.09	1257.73	504.00	2.50	0.00	0.00	0.00	2.26	5.75	0.64	-9E+99	2.23	10.96	1.29	0.51
Antelope Creek	L794	D1-582	D2-179	1258.00	1257.20	501.00	2.50	0.00	0.00	0.00	2.71	7.74	0.67	-9E+99	3.34	16.39	1.75	0.70
Antelope Creek	PP581	D2-381	D2-382	1257.73	1257.45	380.00	2.50	0.00	0.00	0.00	2.26	5.75	0.64	-9E+99	2.27	11.13	1.29	0.52
Antelope Creek	PP582	D2-382	D2-383	1257.45	1257.03	587.00	2.50	0.00	0.00	0.00	2.25	5.75	0.64	-9E+99	2.24	10.97	1.30	0.52
Antelope Creek	PP583	D2-383	D2-384	1257.03	1256.90	173.00	2.50	0.00	0.00	0.00	2.23	5.75	0.64	-9E+99	2.29	11.24	1.31	0.53
Antelope Creek	PP584	D2-384	D2-385	1256.90	1256.55	485.00	2.50	0.00	0.00	0.00	2.20	5.75	0.64	-9E+99	2.24	11.02	1.34	0.54

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Antelope Creek	PP585	D2-385	D2-386	1256.55	1256.12	600.00	2.50	0.00	0.00	0.00	2.13	5.75	0.65	-9E+99	2.24	10.98	1.42	0.57
Antelope Creek	PP586	D2-386	D2-387	1256.12	1255.72	543.00	2.50	0.00	0.00	0.00	2.00	5.75	0.68	-9E+99	2.27	11.13	1.55	0.62
Antelope Creek	PP587	D2-387	D2-388	1255.72	1255.57	211.00	2.50	0.00	0.00	0.00	1.83	5.75	0.71	-9E+99	2.23	10.94	1.63	0.65
Antelope Creek	PP588	D2-388	D2-389	1255.57	1255.36	291.00	2.50	0.00	0.00	0.00	1.76	5.75	0.72	-9E+99	2.24	11.02	1.74	0.70
Antelope Creek	PP589	D2-389	D2-390	1255.36	1255.14	308.00	2.50	0.00	0.00	0.00	1.59	5.75	0.74	-9E+99	2.23	10.96	1.88	0.75
Antelope Creek	PP590	D2-390	D2-391	1255.14	1254.83	431.00	2.50	0.00	0.00	0.00	1.43	5.75	0.76	-9E+99	2.24	11.00	2.10	0.84
Antelope Creek	PP591	D2-391	D2-392	1254.83	1254.83	7.33	2.50	0.00	1.14	-0.41	1.31	5.75	0.76	-9E+99	0.26	1.30	2.10	0.84
Antelope Creek	PP592	D2-392	D2-67	1254.82	1254.50	369.46	2.50	0.00	0.00	0.00	3.06	13.48	0.76	-9E+99	2.46	12.07	2.11	0.84
Antelope Creek	PP593	D2-67	D2-42	1254.50	1254.36	488.00	2.50	0.00	0.00	0.00	3.27	13.48	0.75	-9E+99	1.42	6.95	2.04	0.81
Antelope Creek	PP594	D2-42	D2-43	1254.36	1253.16	373.00	2.50	0.00	0.00	0.00	4.87	13.48	0.66	-9E+99	4.74	23.26	1.41	0.56
Antelope Creek	PP595	D2-43	D2-44	1253.16	1251.92	425.00	2.50	0.00	0.00	0.00	4.73	13.48	0.67	-9E+99	4.51	22.16	1.41	0.56
Antelope Creek	PP596	D2-44	D2-45	1251.92	1250.65	425.00	2.50	0.00	0.00	0.00	4.77	13.48	0.67	-9E+99	4.57	22.42	1.40	0.56
Antelope Creek	PP597	D2-45	D2-46	1250.65	1249.36	430.00	2.50	0.00	0.00	0.00	4.78	13.48	0.67	-9E+99	4.58	22.47	1.40	0.56
Antelope Creek	PP598	D2-46	D3-408	1249.36	1248.08	420.00	2.50	0.00	0.00	0.00	4.80	13.48	0.67	-9E+99	4.61	22.64	1.40	0.56
Antelope Creek	PP599	D3-408	D3-407	1248.08	1246.88	400.00	2.50	0.00	0.00	0.00	4.78	13.48	0.67	-9E+99	4.58	22.47	1.40	0.56
Antelope Creek	PP600	D3-407	D3-16	1246.88	1245.50	404.00	2.50	0.00	0.00	0.00	4.99	13.48	0.65	-9E+99	4.88	23.97	1.39	0.56
Antelope Creek	PP601	D3-16	D3-17	1245.50	1244.74	253.00	2.50	0.00	0.00	0.00	5.06	13.48	0.65	-9E+99	4.58	22.48	1.39	0.56
Antelope Creek	PP602	D3-17	D3-18	1244.74	1240.80	197.00	2.25	0.02	0.00	0.00	9.69	13.48	0.46	-9E+99	11.02	43.80	0.86	0.38
Antelope Creek	PP603	D3-18	D3-19	1229.59	1225.46	204.00	2.25	0.02	0.00	0.00	9.20	13.48	0.48	-9E+99	11.08	44.07	1.22	0.54
Antelope Creek	PP604	D3-19	D3-11	1225.46	1222.75	461.00	2.25	0.01	0.00	0.00	6.16	13.48	0.59	-9E+99	5.97	23.75	1.22	0.54
Antelope Creek	PP605	D3-11	D3-10	1222.75	1219.90	475.00	2.25	0.01	0.00	0.00	6.19	13.48	0.59	-9E+99	6.03	23.99	1.23	0.55
Antelope Creek	PP606	D3-10	D3-3	1219.90	1217.10	467.00	2.25	0.01	0.00	0.00	6.12	13.48	0.59	-9E+99	6.03	23.98	1.23	0.55
Antelope Creek	PP607	D3-3	D3-4	1217.10	1213.10	519.00	2.25	0.01	0.00	0.00	6.81	13.48	0.56	-9E+99	6.84	27.19	1.12	0.50
Antelope Creek	PP608	D3-4	D3-5	1213.10	1209.15	500.00	2.25	0.01	0.00	0.00	6.88	13.48	0.56	-9E+99	6.92	27.53	1.11	0.49
Antelope Creek	PP609	D3-5	D3-543	1209.15	1203.64	501.00	2.50	0.01	0.00	0.00	5.92	5.19	0.35	-9E+99	8.76	43.02	0.59	0.24
Antelope Creek	PP610	D3-5	D2-259	1209.15	1205.51	25.00	1.50	0.15	0.00	0.00	13.32	8.28	0.32	-9E+99	22.68	40.08	3.18	2.12
Antelope Creek	PP740	D2-259	D2-258	1205.51	1203.75	440.00	1.50	0.00	0.00	0.00	4.66	8.28	0.46	-9E+99	3.76	6.64	3.18	2.12
Antelope Creek	PP741	D2-258	D2-257	1203.75	1202.83	230.00	1.50	0.00	0.00	0.00	4.65	8.28	0.46	-9E+99	3.76	6.64	2.24	1.49
Antelope Creek	PP742	D2-257	D2-256	1202.83	1201.77	264.00	1.50	0.00	0.00	0.00	4.54	8.28	0.46	-9E+99	3.77	6.66	1.75	1.16
Antelope Creek	PP743	D2-256	C2-580	1201.77	1201.81	20.00	1.50	0.00	-4.97	-7.54	5.22	8.28	0.46	-9E+99	2.66	4.70	1.24	0.83
Antelope Creek	PP508	D1-312	D1-163	1259.00	1258.80	171.00	1.50	0.00	0.00	0.00	3.81	6.96	0.46	-9E+99	2.03	3.59	9.52	6.35
Antelope Creek	PP509	D1-163	D1-25	1258.80	1258.60	221.71	1.50	0.00	0.00	0.00	3.82	6.96	0.45	-9E+99	1.79	3.15	9.04	6.03
Antelope Creek	PP510	D1-25	D1-42	1258.60	1258.10	189.10	1.50	0.00	0.00	0.00	3.71	6.74	0.46	-9E+99	3.06	5.40	8.37	5.58
Antelope Creek	PP511	D1-42	D1-24	1258.10	1257.60	224.60	1.50	0.00	0.00	0.00	3.71	6.74	0.46	-9E+99	2.80	4.96	8.15	5.44
Antelope Creek	PP512	D1-24	D1-23	1257.60	1256.70	359.20	1.50	0.00	0.00	0.00	3.72	6.74	0.46	-9E+99	2.98	5.26	7.80	5.20
Antelope Creek	PP513	D1-23	D1-30	1256.70	1256.00	261.95	1.50	0.00	0.00	0.00	3.73	6.74	0.46	-9E+99	3.07	5.43	7.33	4.89
Antelope Creek	PP514	D1-30	D1-31	1256.00	1255.80	135.00	1.50	0.00	0.00	0.00	3.73	6.74	0.46	-9E+99	2.29	4.04	7.04	4.69
Antelope Creek	PP515	D1-31	D1-22	1255.80	1255.70	50.17	1.50	0.00	0.00	0.00	3.74	6.74	0.46	-9E+99	2.65	4.69	6.72	4.48
Antelope Creek	PP516	D1-22	D1-21	1255.70	1254.80	353.90	1.50	0.00	0.00	0.00	3.74	6.74	0.46	-9E+99	3.00	5.30	6.63	4.42
Antelope Creek	PP517	D1-21	D1-4	1254.80	1254.40	498.00	1.50	0.00	0.00	0.00	3.75	6.74	0.45	-9E+99	1.68	2.98	6.18	4.12
Antelope Creek	PP518	D1-4	D2-16	1254.40	1252.18	463.00	1.50	0.00	0.00	0.00	4.41	6.74	0.45	-9E+99	4.12	7.27	5.14	3.43
Antelope Creek	PP519	D2-16	D2-17	1252.18	1250.71	495.00	1.50	0.00	0.00	0.00	3.77	6.75	0.46	-9E+99	3.24	5.72	5.14	3.43
Antelope Creek	PP520	D2-17	D2-18	1250.71	1249.71	330.00	1.50	0.00	0.00	0.00	3.77	6.75	0.46	-9E+99	3.27	5.78	4.73	3.15
Antelope Creek	PP521	D2-18	D2-282	1249.71	1249.13	195.00	1.50	0.00	0.00	0.00	3.78	6.75	0.46	-9E+99	3.24	5.73	4.47	2.98
Antelope Creek	PP522	D2-282	D2-19	1249.13	1248.06	355.00	1.50	0.00	0.00	0.00	3.78	6.75	0.45	-9E+99	3.26	5.77	4.31	2.87

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Antelope Creek	PP523	D2-19	D2-130	1248.06	1247.43	200.00	1.50	0.00	-0.11	-0.03	3.79	6.75	0.45	-9E+99	3.34	5.90	4.03	2.69
Antelope Creek	PP524	D2-130	D2-20	1247.43	1247.24	67.00	1.50	0.00	0.00	0.00	5.44	9.71	0.46	-9E+99	3.17	5.59	3.90	2.60
Antelope Creek	PP525	D2-20	D2-21	1247.24	1246.45	265.00	1.50	0.00	0.00	0.00	5.45	9.71	0.45	-9E+99	3.25	5.74	3.53	2.36
Antelope Creek	PP526	D2-21	D2-22	1246.45	1242.60	456.00	1.50	0.01	0.00	0.00	5.74	9.77	0.44	-9E+99	5.46	9.65	2.09	1.40
Antelope Creek	PP527	D2-22	D2-23	1242.60	1231.66	252.00	1.50	0.04	0.00	0.00	10.88	9.76	0.40	-9E+99	12.39	21.89	6.38	4.25
Antelope Creek	PP528	D2-23	D2-24	1231.66	1224.37	243.00	1.50	0.03	0.00	0.00	8.43	9.76	0.45	-9E+99	10.30	18.19	11.75	7.84
Antelope Creek	PP529	D2-24	D2-25	1224.37	1222.30	690.00	1.50	0.00	0.00	0.00	4.58	8.44	0.45	-9E+99	3.26	5.75	11.75	7.84
Antelope Creek	PP530	D2-25	D2-26	1222.30	1220.16	267.00	1.50	0.01	0.00	0.00	6.05	11.07	0.46	-9E+99	5.32	9.40	10.03	6.69
Antelope Creek	PP531	D2-26	D2-255	1220.16	1217.56	325.00	1.50	0.01	0.00	0.00	6.06	11.07	0.45	-9E+99	5.32	9.40	9.41	6.27
Antelope Creek	PP532	D2-255	D2-56	1217.56	1216.20	175.00	1.50	0.01	0.00	0.00	6.08	11.07	0.45	-9E+99	5.24	9.26	8.62	5.75
Antelope Creek	PP533	D2-56	D2-48	1216.20	1216.20	120.00	1.50	0.00	0.00	0.00	6.10	11.07	0.45	-9E+99	0.19	0.33	8.14	5.43
Antelope Creek	PP534	D2-48	C2-X50	1215.20	1214.16	143.00	1.50	0.01	0.00	0.00	6.10	11.07	0.45	-9E+99	5.07	8.96	7.87	5.25
Antelope Creek	PP535	C2-X50	C2-587	1214.16	1212.76	151.00	1.50	0.01	0.00	0.00	6.11	11.07	0.45	-9E+99	5.72	10.11	7.40	4.94
Antelope Creek	PP536	C2-587	C2-586	1212.76	1212.13	254.00	1.50	0.00	0.00	0.00	6.12	11.07	0.45	-9E+99	2.96	5.23	7.21	4.81
Antelope Creek	PP537	C2-586	C2-585	1212.13	1210.40	254.00	1.50	0.01	0.00	0.00	6.17	11.07	0.46	-9E+99	4.91	8.67	5.13	3.42
Antelope Creek	PP538	C2-585	C2-584	1210.40	1209.06	161.00	1.50	0.01	0.00	0.00	6.20	11.07	0.46	-9E+99	5.42	9.58	4.11	2.74
Antelope Creek	PP539	C2-584	C2-582	1209.06	1204.70	276.00	1.50	0.02	0.00	0.00	7.55	11.07	0.45	-9E+99	7.47	13.20	5.06	3.37
Antelope Creek	PP540	C2-582	C2-581	1204.70	1203.16	123.00	1.50	0.01	0.00	0.00	6.17	11.07	0.45	-9E+99	6.65	11.75	5.27	3.52
Antelope Creek	PP541	C2-581	C2-580	1203.16	1201.81	500.00	1.50	0.00	0.00	0.00	6.23	11.07	0.45	-9E+99	3.09	5.46	5.27	3.52
Antelope Creek	PP744	C2-580	C3-578	1201.80	1198.10	45.00	1.50	0.08	0.00	0.00	16.00	19.35	0.42	-9E+99	17.04	30.12	1.84	1.22
Antelope Creek	PP611	D3-543	C3-578	1203.64	1198.14	500.00	2.50	0.01	0.00	0.00	4.45	5.19	0.39	-9E+99	8.76	43.02	1.80	0.72
Antelope Creek	PP612	C3-578	C3-444	1198.14	1195.50	644.30	3.00	0.00	0.00	0.00	6.45	28.42	0.83	-9E+99	6.04	42.69	1.80	0.60
Antelope Creek	PP613	C3-444	C3-450	1195.50	1193.69	424.62	3.00	0.00	0.00	0.00	6.54	28.42	0.83	-9E+99	6.16	43.55	1.79	0.60
Antelope Creek	PP614	C3-450	C3-461	1193.69	1192.02	408.67	3.00	0.00	0.00	0.00	6.46	28.42	0.83	-9E+99	6.03	42.64	1.79	0.60
Antelope Creek	PP615	C3-461	C3-462	1192.02	1190.79	299.23	3.00	0.00	0.00	0.00	6.49	28.41	0.83	-9E+99	6.05	42.76	1.79	0.60
Antelope Creek	PP616	C3-462	C3-477	1190.79	1190.29	122.78	3.00	0.00	0.00	0.00	7.60	28.41	0.77	-9E+99	6.02	42.56	1.62	0.54
Antelope Creek	PP617	C3-477	C3-488	1190.29	1188.35	71.50	3.00	0.03	0.00	0.00	10.84	28.41	0.63	-9E+99	15.54	109.87	1.87	0.62
Antelope Creek	PP618	C3-488	C3-67	1188.35	1187.36	267.02	3.00	0.00	0.00	0.00	6.11	28.41	0.85	-9E+99	5.75	40.61	1.93	0.64
Antelope Creek	PP619	C3-67	C3-635	1187.36	1186.28	334.00	3.00	0.00	0.00	0.00	5.99	28.41	0.86	-9E+99	5.37	37.93	1.93	0.64
Antelope Creek	PP620	C3-635	C3-554	1186.28	1185.52	85.44	3.00	0.01	0.00	0.00	6.89	28.41	0.80	-9E+99	8.90	62.91	2.11	0.70
Antelope Creek	PP621	C3-554	C3-555	1185.52	1183.96	602.20	3.00	0.00	0.00	0.00	5.46	28.41	0.88	-9E+99	4.80	33.95	2.11	0.70
Antelope Creek	PP622	C3-555	C3-556	1183.96	1181.46	491.95	3.00	0.01	0.00	0.00	6.78	28.41	0.81	-9E+99	6.73	47.55	1.99	0.66
Antelope Creek	PP623	C3-556	C3-557	1181.46	1180.39	363.55	3.00	0.00	0.00	0.00	5.81	28.41	0.86	-9E+99	5.12	36.18	1.99	0.66
Antelope Creek	PP624	C3-178	C3-612	1189.00	1183.06	440.08	1.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	6.91	12.20	-0.06	0.00
Antelope Creek	PP625	C3-612	C3-557	1183.06	1180.39	225.62	1.50	0.01	0.00	0.00	0.00	0.00	0.05	-9E+99	6.47	11.43	1.58	0.00
Antelope Creek	PP626	C3-557	C3-558	1180.39	1179.09	265.67	3.50	0.00	0.00	0.00	6.63	28.41	0.82	-9E+99	7.32	70.38	1.78	0.51
Antelope Creek	PP627	C3-558	C3-559	1179.09	1177.88	403.48	3.50	0.00	0.00	0.00	5.76	28.41	0.88	-9E+99	5.73	55.10	1.79	0.51
Antelope Creek	PP628	C3-559	C3-560	1177.88	1176.70	393.30	3.50	0.00	0.00	0.00	5.75	28.41	0.89	-9E+99	5.73	55.11	1.80	0.52
Antelope Creek	PP629	C3-560	C3-561	1176.70	1175.31	464.40	3.50	0.00	0.00	0.00	5.63	28.41	0.89	-9E+99	5.72	55.04	1.93	0.55
Antelope Creek	PP630	C3-561	C3-562	1175.31	1173.86	434.00	3.50	0.00	0.00	0.00	6.09	33.44	0.93	-9E+99	6.04	58.15	2.07	0.59
Antelope Creek	PP631	C3-562	C3-563	1173.86	1172.62	434.00	3.50	0.00	0.00	0.00	5.56	33.44	0.97	-9E+99	5.59	53.78	2.32	0.66
Antelope Creek	PP632	C3-563	C3-564	1172.62	1171.96	434.00	3.50	0.00	0.00	0.00	5.02	33.44	1.01	-9E+99	4.08	39.23	2.32	0.66
Antelope Creek	PP633	C3-564	C3-565	1171.96	1171.30	213.00	3.50	0.00	0.00	0.00	5.97	33.44	0.94	-9E+99	5.82	56.00	2.02	0.58
Antelope Creek	PP634	C3-565	C3-536	1171.30	1169.88	482.00	3.50	0.00	0.00	0.00	5.77	33.44	0.95	-9E+99	5.68	54.61	2.19	0.63
Antelope Creek	PP635	C3-536	C3-567	1169.88	1168.95	418.00	3.50	0.00	0.00	0.00	5.28	33.44	0.99	-9E+99	4.93	47.46	2.23	0.64

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Antelope Creek	PP636	C3-567	C3-568	1168.95	1167.80	570.00	3.50	0.00	0.00	0.00	5.22	33.44	1.00	-9E+99	4.70	45.19	2.23	0.64
Antelope Creek	PP637	C3-568	C3-569	1167.80	1166.69	451.00	3.50	0.00	0.00	0.00	5.58	33.44	0.97	-9E+99	5.19	49.91	2.09	0.60
Antelope Creek	PP638	C3-569	C3-570	1166.69	1165.53	391.00	3.50	0.00	0.00	0.00	5.61	33.44	0.97	-9E+99	5.70	54.80	2.31	0.66
Antelope Creek	PP639	C3-570	C3-571	1165.53	1164.24	548.00	3.50	0.00	0.00	0.00	4.88	33.44	1.02	-9E+99	5.07	48.81	2.72	0.78
Antelope Creek	PP640	C3-624	C3-380	1170.19	1168.81	385.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.56	6.29	-0.01	0.00
Antelope Creek	PP641	C3-380	C3-378	1168.81	1168.29	145.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.56	6.29	-0.09	0.00
Antelope Creek	PP642	C3-378	C3-571	1168.29	1164.24	32.00	1.75	0.13	0.00	0.00	0.00	0.00	0.06	-9E+99	23.44	56.37	2.72	0.00
Antelope Creek	PP643	C3-571	C3-572	1164.24	1164.24	367.00	3.50	0.00	0.00	0.00	4.29	33.44	1.05	-9E+99	0.33	3.18	2.72	0.78
Antelope Creek	PP644	C3-572	C3-573	1164.24	1163.32	361.00	3.50	0.00	0.00	0.00	5.80	33.44	0.95	-9E+99	5.28	50.79	2.05	0.59
Antelope Creek	PP645	C3-573	C4-516	1163.32	1161.03	322.00	3.50	0.01	0.00	0.00	8.13	33.44	0.81	-9E+99	8.82	84.85	1.66	0.47
Antelope Creek	PP646	C4-516	C4-511	1161.03	1159.10	320.00	3.50	0.01	0.00	0.00	7.25	33.44	0.85	-9E+99	8.12	78.13	2.04	0.58
Antelope Creek	PP647	C4-511	C4-512	1159.10	1158.05	350.00	3.50	0.00	0.00	0.00	5.68	33.44	0.96	-9E+99	5.73	55.11	2.25	0.64
Antelope Creek	PP648	C4-512	C4-513	1158.05	1157.00	350.00	3.50	0.00	0.00	0.00	6.26	40.92	1.00	-9E+99	5.73	55.11	2.26	0.64
Antelope Creek	PP649	C4-513	C4-514	1157.00	1155.74	420.00	3.50	0.00	0.00	0.00	6.24	40.92	1.00	-9E+99	5.73	55.11	2.28	0.65
Antelope Creek	PP650	C4-514	C4-570	1155.74	1154.49	437.13	3.50	0.00	0.00	0.00	6.18	40.92	1.01	-9E+99	5.59	53.80	2.28	0.65
Antelope Creek	PP651	C4-570	C4-569	1154.49	1153.51	304.69	3.50	0.00	0.00	0.00	6.29	40.92	1.00	-9E+99	5.93	57.06	2.32	0.66
Antelope Creek	PP652	C4-569	B4-572	1153.51	1152.94	216.00	3.50	0.00	0.00	0.00	6.05	40.92	1.02	-9E+99	5.37	51.68	2.32	0.66
Antelope Creek	PP653	B4-572	B4-571	1152.94	1152.25	229.00	3.50	0.00	0.00	0.00	6.16	40.92	1.01	-9E+99	5.74	55.23	2.33	0.67
Antelope Creek	PP654	B4-571	B4-570	1152.25	1151.39	322.00	3.50	0.00	0.00	0.00	6.04	40.92	1.02	-9E+99	5.40	51.99	2.33	0.67
Antelope Creek	PP655	B4-570	B4-569	1151.39	1150.02	423.00	3.50	0.00	0.00	0.00	6.07	40.92	1.01	-9E+99	5.95	57.26	2.57	0.74
Antelope Creek	PP656	B4-569	B4-568	1150.02	1149.47	382.00	3.50	0.00	0.00	0.00	5.54	40.92	1.04	-9E+99	3.97	38.18	2.57	0.74
Antelope Creek	PP657	B4-568	B4-567	1149.47	1146.03	290.00	3.50	0.01	0.00	0.00	9.23	40.92	0.83	-9E+99	11.39	109.58	2.55	0.73
Antelope Creek	PP658	B4-567	B4-566	1146.03	1145.29	493.00	4.00	0.00	0.00	0.00	4.84	40.92	1.14	-9E+99	4.43	55.65	2.55	0.64
Antelope Creek	PP659	B4-ADD	B4-302	1153.25	1151.16	436.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.56	10.97	-0.06	0.00
Antelope Creek	PP660	B4-302	B4-584	1151.16	1150.74	254.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.68	6.44	-0.04	0.00
Antelope Creek	PP661	B4-584	B4-587	1150.74	1150.74	76.75	1.75	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.21	0.50	-0.04	0.00
Antelope Creek	PP662	B4-587	B4-586	1150.74	1150.08	95.48	1.75	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.48	13.17	-0.08	0.00
Antelope Creek	PP663	B4-586	B4-359	1150.08	1150.09	17.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.60	3.84	-0.08	0.00
Antelope Creek	PP664	B4-359	B4-566	1150.09	1145.29	96.00	0.67	0.05	0.00	0.00	0.00	0.00	0.02	-9E+99	7.77	2.74	2.55	0.00
Antelope Creek	PP665	B4-566	B4-565	1145.29	1145.08	142.00	4.00	0.00	0.00	0.00	4.84	40.92	1.14	-9E+99	4.40	55.24	2.55	0.64
Antelope Creek	PP666	B4-565	B4-576	1145.08	1144.64	292.94	4.00	0.00	0.00	0.00	4.85	40.92	1.14	-9E+99	4.43	55.67	2.55	0.64
Antelope Creek	PP667	B4-576	B4-547	1144.64	1144.03	405.99	4.00	0.00	0.00	0.00	4.86	40.92	1.14	-9E+99	4.43	55.68	2.54	0.64
Antelope Creek	PP668	B4-547	B4-544	1144.03	1143.31	485.73	4.00	0.00	0.00	0.00	4.88	40.92	1.14	-9E+99	4.40	55.30	2.54	0.63
Antelope Creek	PP669	B4-544	B4-527	1143.31	1143.06	191.00	4.00	0.00	0.00	0.00	5.00	40.92	1.13	-9E+99	4.14	51.97	2.49	0.62
Antelope Creek	PP670	B4-527	B4-487	1143.06	1142.77	191.00	4.00	0.00	0.00	0.00	5.24	40.92	1.11	-9E+99	4.45	55.97	2.39	0.60
Antelope Creek	PP671	B4-487	B4-486	1142.77	1142.51	166.00	4.00	0.00	-0.70	-0.47	5.53	40.92	1.08	-9E+99	4.52	56.85	2.30	0.57
Antelope Creek	PP672	B4-486	B4-687	1142.51	1142.60	26.00	3.50	0.00	-3.91	-21.32	4.05	24.79	0.98	-9E+99	6.15	59.19	2.10	0.60
Antelope Creek	PP673	B4-486	B4-12	1142.51	1142.38	60.32	3.00	0.00	0.00	0.00	3.63	19.63	0.89	-9E+99	4.38	30.96	2.21	0.74
Antelope Creek	PP674	B4-687	B4-686	1142.60	1142.51	59.00	3.50	0.00	0.00	0.00	4.33	24.79	0.95	-9E+99	4.08	39.29	2.01	0.58
Antelope Creek	PP675	B4-686	B4-685	1142.51	1141.92	363.00	3.50	0.00	0.00	0.00	4.32	24.79	0.95	-9E+99	4.22	40.56	2.06	0.59
Antelope Creek	PP676	B4-685	B4-684	1141.92	1141.34	361.00	3.50	0.00	0.00	0.00	4.25	24.79	0.96	-9E+99	4.19	40.33	2.15	0.62
Antelope Creek	PP677	B4-684	B5-528	1141.34	1141.15	125.00	3.50	0.00	0.00	0.00	4.16	24.79	0.98	-9E+99	4.08	39.22	2.20	0.63
Antelope Creek	PP678	B5-528	B5-527	1141.15	1140.72	269.00	3.50	0.00	0.00	0.00	4.12	24.79	0.99	-9E+99	4.18	40.23	2.34	0.67
Antelope Creek	PP679	B5-527	B5-526	1140.72	1140.63	55.00	3.50	0.00	0.00	0.00	3.98	24.79	1.02	-9E+99	4.23	40.70	2.39	0.68
Antelope Creek	PP680	B5-526	B5-524	1140.63	1140.43	127.00	3.50	0.00	0.00	0.00	3.91	24.79	1.03	-9E+99	4.15	39.93	2.48	0.71

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Antelope Creek	PP681	B5-524	B5-522	1140.43	1139.78	400.00	3.50	0.00	0.00	0.00	3.75	24.79	1.04	-9E+99	4.22	40.56	2.85	0.82
Antelope Creek	PP739	B5-522	B5-520	1139.78	1139.04	400.00	3.50	0.00	0.00	0.00	5.41	40.45	1.06	-9E+99	4.50	43.27	2.96	0.85
Antelope Creek	L797	B5-520	B5-139	1139.04	1138.84	175.00	4.00	0.00	0.00	0.00	6.82	44.42	1.20	-9E+99	3.86	48.56	2.96	0.74
Antelope Creek	PP682	B4-12	B4-688	1142.38	1142.29	81.29	3.00	0.00	0.00	0.00	3.52	19.63	0.90	-9E+99	3.14	22.19	2.21	0.74
Antelope Creek	PP683	B4-688	B4-6	1142.29	1141.94	338.86	3.00	0.00	0.00	0.00	3.52	19.63	0.90	-9E+99	3.03	21.44	2.21	0.74
Antelope Creek	PP684	B4-6	B4-7	1141.94	1141.91	30.00	3.00	0.00	0.00	0.00	3.56	19.63	0.90	-9E+99	2.98	21.09	2.19	0.73
Antelope Creek	PP685	B4-7	B5-531	1141.91	1141.66	348.00	3.00	0.00	0.00	0.00	3.61	19.63	0.89	-9E+99	2.53	17.88	2.18	0.73
Antelope Creek	PP686	B4-650	B4-536	1148.12	1147.88	153.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.35	4.16	-0.08	0.00
Antelope Creek	PP687	B4-536	B4-5	1147.88	1147.21	221.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.27	5.78	-0.01	0.00
Antelope Creek	PP688	B4-5	B5-533	1147.21	1146.07	211.51	1.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	4.36	7.71	-0.07	0.00
Antelope Creek	PP689	B5-533	B5-532	1146.07	1146.22	21.00	1.50	-0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.02	8.88	-0.07	0.00
Antelope Creek	PP690	B5-532	B5-531	1146.22	1141.66	86.39	1.50	0.05	0.00	0.00	0.00	0.00	0.05	-9E+99	13.66	24.13	1.97	0.00
Antelope Creek	PP691	B5-531	B5-88	1141.66	1140.96	573.92	3.00	0.00	0.00	0.00	4.12	19.63	0.85	-9E+99	3.30	23.29	1.97	0.66
Antelope Creek	PP692	B5-88	B5-522	1140.96	1139.78	8.83	3.00	0.13	0.00	0.00	8.74	15.66	0.65	-9E+99	34.49	243.82	2.85	0.95
Antelope Creek	L795	B5-88	B5-520	1140.96	1140.71	399.05	3.00	0.00	0.00	0.00	2.37	4.71	0.63	-9E+99	2.36	16.69	1.29	0.43
Antelope Creek	PP698	B5-517	B5-516	1136.47	1135.72	348.00	3.50	0.00	0.00	0.00	5.62	41.87	1.06	-9E+99	4.85	46.71	5.28	1.51
Antelope Creek	PP699	B5-516	B5-515	1135.72	1134.41	348.00	3.50	0.00	0.00	0.00	6.00	41.93	1.05	-9E+99	6.42	61.73	6.00	1.71
Antelope Creek	PP700	B5-515	B5-626	1134.41	1133.77	361.00	3.50	0.00	0.00	0.00	4.90	41.91	1.06	-9E+99	4.40	42.36	6.03	1.72
Antelope Creek	PP701	B5-626	B5-500	1133.77	1133.05	192.00	3.50	0.00	0.00	0.00	4.83	41.83	1.06	-9E+99	6.40	61.61	6.43	1.84
Antelope Creek	PP702	B5-500	B5-498	1133.05	1132.94	216.00	3.50	0.00	0.00	0.00	4.57	44.16	1.06	-9E+99	2.36	22.70	6.43	1.84
Antelope Creek	PP703	B5-498	B5-496	1132.94	1132.38	289.50	3.50	0.00	0.00	0.00	4.57	44.15	1.06	-9E+99	4.60	44.25	6.14	1.76
Antelope Creek	PP704	B5-496	B5-495	1132.38	1131.98	316.44	3.50	0.00	0.00	0.00	4.56	44.06	1.06	-9E+99	3.72	35.77	6.14	1.76
Antelope Creek	PP705	B5-495	B5-494	1131.98	1131.58	316.44	3.50	0.00	0.00	0.00	4.56	44.11	1.06	-9E+99	3.72	35.77	5.96	1.70
Antelope Creek	PP706	B5-494	B5-508	1131.58	1131.46	90.00	3.50	0.00	0.00	0.00	4.58	45.03	1.06	-9E+99	3.82	36.74	5.75	1.64
Antelope Creek	PP707	B5-508	B5-493	1131.46	1131.14	253.00	3.50	0.00	0.00	0.00	4.59	44.31	1.06	-9E+99	3.72	35.78	5.70	1.63
Antelope Creek	PP708	B5-493	B5-492	1131.15	1130.72	329.00	3.50	0.00	0.00	0.00	4.59	44.28	1.06	-9E+99	3.76	36.20	5.53	1.58
Antelope Creek	PP709	B5-492	B5-491	1130.72	1130.27	344.00	3.50	0.00	0.00	0.00	4.57	44.13	1.06	-9E+99	3.78	36.39	5.38	1.54
Antelope Creek	PP710	B5-491	B5-490	1130.27	1129.87	325.00	3.50	0.00	0.00	0.00	4.59	44.28	1.06	-9E+99	3.67	35.30	5.20	1.49
Antelope Creek	PP711	B5-490	B5-489	1129.87	1129.32	427.16	3.50	0.00	0.00	0.00	4.60	44.38	1.06	-9E+99	3.75	36.10	4.96	1.42
Antelope Creek	PP712	B5-489	B5-488	1129.32	1128.79	411.00	3.50	0.00	0.00	0.00	4.58	44.27	1.06	-9E+99	3.76	36.13	4.76	1.36
Antelope Creek	PP713	B5-488	B5-487	1128.79	1128.44	269.71	3.50	0.00	0.00	0.00	4.64	45.49	1.06	-9E+99	3.77	36.24	4.60	1.31
Antelope Creek	PP714	B5-487	B5-486	1128.44	1128.07	296.35	3.50	0.00	0.00	0.00	4.46	44.56	1.06	-9E+99	3.69	35.55	4.29	1.23
Antelope Creek	PP715	B5-486	B5-485	1128.07	1127.72	261.05	3.50	0.00	0.00	0.00	4.37	44.03	1.06	-9E+99	3.83	36.84	4.11	1.17
Antelope Creek	PP737	B5-637	B5-638	1130.19	1129.98	231.00	3.00	0.00	0.00	0.00	2.11	4.24	0.64	-9E+99	2.85	20.11	1.34	0.45
Antelope Creek	PP738	B5-638	B5-639	1129.98	1129.70	142.00	3.00	0.00	0.00	0.00	2.21	4.22	0.70	-9E+99	4.19	29.62	1.61	0.54
Antelope Creek	PP718	B5-139	B5-17	1141.32	1139.61	258.00	3.00	0.01	0.00	0.00	3.70	2.87	0.30	-9E+99	7.68	54.30	0.76	0.25
Antelope Creek	L799	B5-139	B5-139-2	1138.84	1137.70	70.00	4.00	0.02	0.00	0.00	11.37	42.48	1.18	-9E+99	14.59	183.31	4.16	1.04
Antelope Creek	PP719	B5-17	B5-148	1139.61	1139.45	174.00	3.00	0.00	0.00	0.00	2.05	2.87	0.44	-9E+99	2.86	20.23	0.76	0.25
Antelope Creek	PP720	B5-148	B5-620	1139.45	1139.30	137.00	3.00	0.00	0.00	0.00	2.07	2.87	0.44	-9E+99	3.12	22.07	0.77	0.26
Antelope Creek	PP721	B5-620	B5-621	1139.30	1139.13	192.00	3.00	0.00	0.00	0.00	2.00	2.87	0.45	-9E+99	2.81	19.85	0.77	0.26
Antelope Creek	PP722	B5-621	B5-622	1139.13	1138.70	468.00	3.00	0.00	0.00	0.00	2.01	2.87	0.45	-9E+99	2.86	20.22	0.77	0.26
Antelope Creek	PP723	B5-622	B5-623	1138.70	1138.29	468.26	3.00	0.00	0.00	0.00	2.05	2.87	0.44	-9E+99	2.79	19.74	0.77	0.26
Antelope Creek	PP724	B5-623	B5-211	1138.29	1137.14	398.00	3.00	0.00	0.00	0.00	3.00	2.87	0.35	-9E+99	5.07	35.85	0.62	0.21
Antelope Creek	PP725	B5-211	B5-212	1137.14	1136.28	398.00	3.00	0.00	0.00	0.00	2.70	2.87	0.37	-9E+99	4.39	31.00	0.67	0.22
Antelope Creek	PP726	B5-212	B5-237	1136.28	1135.40	512.00	3.00	0.00	0.00	0.00	2.47	2.86	0.39	-9E+99	3.91	27.65	0.67	0.22

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Antelope Creek	PP727	B5-237	B5-236	1135.40	1134.54	317.70	3.00	0.00	0.00	0.00	2.94	2.86	0.35	-9E+99	4.91	34.70	0.62	0.21
Antelope Creek	PP728	B5-236	B5-267	1134.54	1134.10	208.20	3.00	0.00	0.00	0.00	2.70	2.86	0.37	-9E+99	4.34	30.66	0.64	0.21
Antelope Creek	PP729	B5-267	B5-291	1134.10	1133.70	208.20	3.00	0.00	0.00	0.00	2.63	2.86	0.38	-9E+99	4.14	29.24	0.64	0.21
Antelope Creek	PP730	B5-291	B5-289	1133.70	1132.79	413.00	3.00	0.00	0.00	0.00	2.74	2.86	0.37	-9E+99	4.43	31.31	0.63	0.21
Antelope Creek	PP731	B5-289	B5-287	1132.79	1132.60	94.90	3.00	0.00	0.00	0.00	2.62	2.86	0.38	-9E+99	4.22	29.84	0.65	0.22
Antelope Creek	PP732	B5-287	B5-547	1132.60	1131.98	324.00	3.00	0.00	0.00	0.00	2.59	2.86	0.38	-9E+99	4.13	29.18	0.65	0.22
Antelope Creek	PP733	B5-547	B5-317	1131.98	1131.64	111.00	3.00	0.00	0.00	0.00	3.10	2.86	0.34	-9E+99	5.22	36.91	0.57	0.19
Antelope Creek	PP734	B5-317	B5-634	1131.64	1131.04	93.40	3.00	0.01	0.00	0.00	3.66	2.86	0.31	-9E+99	7.56	53.46	0.69	0.23
Antelope Creek	PP735	B5-634	B5-635	1131.04	1130.57	193.00	3.00	0.00	-0.02	-0.01	2.21	2.86	0.43	-9E+99	4.66	32.91	1.02	0.34
Antelope Creek	PP736	B5-635	B5-637	1130.57	1130.19	409.00	3.00	0.00	0.00	0.00	2.14	4.26	0.57	-9E+99	2.88	20.33	1.19	0.40
Beals & Salt Valley	PP1	D0-168	D0-167	1247.85	1246.31	476.00	2.25	0.00	0.00	0.00	3.79	4.91	0.45	-9E+99	4.43	17.62	0.81	0.36
Beals & Salt Valley	PP2	D0-167	D0-166	1246.31	1244.84	451.00	2.25	0.00	0.00	0.00	3.81	4.91	0.45	-9E+99	4.45	17.68	0.81	0.36
Beals & Salt Valley	PP3	D0-166	D0-165	1244.84	1243.40	444.00	2.25	0.00	0.00	0.00	3.79	4.91	0.45	-9E+99	4.44	17.64	0.83	0.37
Beals & Salt Valley	PP4	D0-165	D0-164	1243.40	1242.10	400.00	2.25	0.00	0.00	0.00	3.72	4.91	0.45	-9E+99	4.44	17.66	0.83	0.37
Beals & Salt Valley	PP5	D0-164	D0-150	1242.10	1241.30	170.00	2.25	0.00	0.00	0.00	4.23	4.91	0.42	-9E+99	5.34	21.25	0.83	0.37
Beals & Salt Valley	PP6	D0-150	D0-149	1241.30	1239.47	610.00	2.25	0.00	0.00	0.00	3.39	4.91	0.47	-9E+99	4.27	16.96	1.36	0.60
Beals & Salt Valley	PP7	D0-149	D0-148	1239.47	1239.67	600.00	2.25	0.00	-1.69	-3.01	2.11	4.91	0.59	-9E+99	1.42	5.65	1.16	0.51
Beals & Salt Valley	PP8	D0-148	D0-60	1239.67	1231.14	440.00	2.25	0.02	0.00	0.00	6.92	4.91	0.31	-9E+99	10.85	43.12	0.66	0.29
Beals & Salt Valley	PP9	D0-60	D0-61	1231.14	1228.60	400.00	2.50	0.01	0.00	0.00	4.78	4.91	0.38	-9E+99	6.66	32.69	0.67	0.27
Beals & Salt Valley	PP10	D0-61	D0-62	1228.60	1226.31	383.00	2.50	0.01	0.00	0.00	4.39	4.91	0.40	-9E+99	6.46	31.72	0.96	0.39
Beals & Salt Valley	PP11	D0-62	C0-124	1226.31	1225.39	517.00	2.50	0.00	0.00	0.00	2.96	4.91	0.50	-9E+99	3.52	17.30	0.96	0.39
Beals & Salt Valley	PP12	C0-124	C0-123	1225.39	1222.25	331.00	2.50	0.01	0.00	0.00	5.39	4.91	0.35	-9E+99	8.14	39.95	0.69	0.28
Beals & Salt Valley	PP13	C0-123	C0-122	1222.25	1220.83	280.00	2.50	0.01	0.00	0.00	4.36	4.91	0.41	-9E+99	5.95	29.21	0.99	0.40
Beals & Salt Valley	PP14	C0-122	C0-121	1220.83	1219.16	500.00	2.50	0.00	0.00	0.00	3.81	4.98	0.55	-9E+99	4.83	23.70	2.41	0.97
Beals & Salt Valley	PP15	C0-121	C0-120	1219.16	1217.17	502.00	2.50	0.00	0.00	0.00	4.03	5.65	0.75	-9E+99	5.26	25.82	4.34	1.73
Beals & Salt Valley	PP16	C0-120	C0-119	1217.17	1216.04	285.00	2.50	0.00	0.00	0.00	3.99	6.28	0.75	-9E+99	5.26	25.83	5.42	2.17
Beals & Salt Valley	PP17	C0-119	C1-564	1216.04	1215.20	263.00	2.50	0.00	0.00	0.00	3.73	6.65	0.75	-9E+99	4.72	23.18	6.23	2.49
Beals & Salt Valley	PP18	C1-564	C1-2	1215.20	1214.97	58.20	2.50	0.00	-0.36	-1.33	3.00	2.09	0.76	-9E+99	5.25	25.79	6.46	2.58
Beals & Salt Valley	PP19	C1-564	C1-565	1215.20	1212.34	375.00	2.00	0.01	0.00	0.00	3.64	5.83	0.60	-9E+99	6.29	19.76	8.87	4.43
Beals & Salt Valley	PP20	C1-2	C1-3	1214.97	1213.46	280.00	1.50	0.01	-0.78	1.37	3.25	2.64	0.44	-9E+99	4.37	7.71	7.98	5.32
Beals & Salt Valley	PP22	C1-3	C1-565	1213.46	1212.34	83.00	1.75	0.01	0.00	0.00	5.94	11.70	0.52	-9E+99	7.65	18.41	8.87	5.07
Beals & Salt Valley	PP23	C1-12	C1-13	1211.57	1209.51	457.13	1.75	0.00	0.00	0.00	5.03	10.96	0.53	-9E+99	4.42	10.64	8.10	4.63
Beals & Salt Valley	PP24	C1-13	C1-14	1209.51	1207.47	453.00	1.75	0.00	0.00	0.00	4.96	10.70	0.53	-9E+99	4.42	10.63	8.22	4.70
Beals & Salt Valley	PP25	C1-14	C1-15	1207.47	1205.85	456.00	2.00	0.00	0.00	0.00	4.73	12.04	0.60	-9E+99	4.29	13.48	8.60	4.30
Beals & Salt Valley	PP26	C1-15	C1-16	1205.85	1204.52	444.00	2.00	0.00	0.00	0.00	4.42	12.04	0.61	-9E+99	3.94	12.38	8.72	4.36
Beals & Salt Valley	PP27	C1-16	C1-17	1204.52	1203.21	439.00	2.00	0.00	0.00	0.00	4.24	12.04	0.61	-9E+99	3.93	12.36	8.84	4.42
Beals & Salt Valley	PP28	C1-17	C1-19	1203.21	1202.22	330.00	2.00	0.00	0.00	0.00	4.43	13.31	0.61	-9E+99	3.94	12.39	8.84	4.42
Beals & Salt Valley	PP29	C1-19	C1-36	1202.22	1200.92	431.72	2.00	0.00	0.00	0.00	4.51	13.83	0.61	-9E+99	3.95	12.41	8.74	4.37
Beals & Salt Valley	PP30	C1-36	C1-37	1200.92	1199.57	449.00	2.00	0.00	0.00	0.00	4.50	13.83	0.61	-9E+99	3.95	12.40	8.50	4.25
Beals & Salt Valley	PP31	C1-37	C1-38	1199.57	1198.22	451.00	2.00	0.00	0.00	0.00	4.50	13.84	0.61	-9E+99	3.94	12.38	8.23	4.12
Beals & Salt Valley	PP32	C1-38	C1-39	1198.22	1196.87	450.00	2.00	0.00	0.00	0.00	4.50	13.85	0.61	-9E+99	3.94	12.39	7.96	3.98
Beals & Salt Valley	PP33	C1-39	C1-40	1196.87	1195.51	452.00	2.00	0.00	0.00	0.00	4.48	13.85	0.61	-9E+99	3.95	12.41	7.69	3.85
Beals & Salt Valley	PP34	C1-40	C1-41	1195.51	1194.57	315.00	2.00	0.00	0.00	0.00	4.43	13.86	0.61	-9E+99	3.93	12.36	7.42	3.71
Beals & Salt Valley	PP35	C1-41	C1-42	1194.57	1194.16	158.00	2.00	0.00	0.00	0.00	4.38	13.87	0.61	-9E+99	3.67	11.52	7.23	3.61
Beals & Salt Valley	PP36	C1-42	C1-43	1194.16	1192.58	525.00	2.00	0.00	0.00	0.00	4.48	13.88	0.61	-9E+99	3.95	12.41	7.07	3.53

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP37	C1-43	C1-44	1192.58	1191.11	488.99	2.00	0.00	0.00	0.00	4.38	13.90	0.61	-9E+99	3.95	12.40	6.75	3.37
Beals & Salt Valley	PP38	C1-44	C1-92	1191.11	1189.86	417.40	2.00	0.00	0.00	0.00	4.54	14.34	0.61	-9E+99	3.94	12.38	6.44	3.22
Beals & Salt Valley	PP39	C1-92	C1-99	1189.86	1188.38	494.61	2.00	0.00	0.00	0.00	4.54	14.33	0.61	-9E+99	3.94	12.37	6.10	3.05
Beals & Salt Valley	PP40	C1-99	C1-101	1188.38	1186.49	540.00	2.00	0.00	0.00	0.00	4.98	15.77	0.61	-9E+99	4.26	13.38	5.69	2.85
Beals & Salt Valley	PP41	C1-101	C1-186	1186.49	1185.42	358.00	2.00	0.00	0.00	0.00	5.11	16.14	0.61	-9E+99	3.94	12.37	5.08	2.54
Beals & Salt Valley	PP42	C1-186	C1-188	1185.42	1183.70	490.00	2.25	0.00	0.00	0.00	5.13	16.09	0.68	-9E+99	4.61	18.35	4.83	2.15
Beals & Salt Valley	PP43	C1-188	C1-190	1183.70	1182.31	413.00	2.25	0.00	0.00	0.00	5.23	16.84	0.68	-9E+99	4.52	17.97	5.04	2.24
Beals & Salt Valley	PP44	C1-190	C1-191	1182.31	1181.11	102.00	2.25	0.01	0.00	0.00	7.87	16.71	0.67	-9E+99	8.45	33.59	5.95	2.64
Beals & Salt Valley	PP45	C1-191	C1-193	1181.11	1179.64	189.00	2.25	0.01	0.00	0.00	6.47	16.71	0.67	-9E+99	6.87	27.31	6.88	3.06
Beals & Salt Valley	PP46	C1-193	C1-195	1179.64	1177.91	509.00	2.25	0.00	0.00	0.00	5.13	16.94	0.68	-9E+99	4.54	18.06	7.13	3.17
Beals & Salt Valley	PP47	C1-195	C1-197	1177.91	1176.21	500.00	2.25	0.00	0.00	0.00	5.15	16.94	0.68	-9E+99	4.54	18.06	7.37	3.28
Beals & Salt Valley	PP48	C1-197	C1-569	1176.21	1174.16	252.65	2.25	0.01	0.00	0.00	6.56	17.15	0.67	-9E+99	7.02	27.90	8.69	3.86
Beals & Salt Valley	PP49	D0-168-2	D0-167-2	1247.85	1246.31	476.00	2.00	0.00	0.00	0.00	3.73	4.51	0.44	-9E+99	4.10	12.87	0.82	0.41
Beals & Salt Valley	L804	D0-168-2	D0-168	1247.85	1247.85	20.00	2.00	0.00	1.76	-0.68	2.03	1.88	0.43	-9E+99	0.23	0.72	0.82	0.41
Beals & Salt Valley	PP50	D0-167-2	D0-166-2	1246.31	1244.84	451.00	2.00	0.00	0.00	0.00	3.74	4.51	0.43	-9E+99	4.11	12.92	0.82	0.41
Beals & Salt Valley	PP51	D0-166-2	D0-165-2	1244.84	1243.40	444.00	2.00	0.00	0.00	0.00	3.72	4.51	0.44	-9E+99	4.10	12.88	0.84	0.42
Beals & Salt Valley	PP52	D0-165-2	D0-164-2	1243.40	1242.10	400.00	2.00	0.00	0.00	0.00	3.66	4.51	0.44	-9E+99	4.11	12.90	0.84	0.42
Beals & Salt Valley	PP53	D0-164-2	D0-150-2	1242.10	1241.30	170.00	2.00	0.00	0.00	0.00	4.16	4.51	0.41	-9E+99	4.94	15.52	0.84	0.42
Beals & Salt Valley	PP54	D0-150-2	D0-149-2	1241.30	1239.47	610.00	2.00	0.00	0.00	0.00	3.31	4.51	0.46	-9E+99	3.94	12.39	1.39	0.69
Beals & Salt Valley	PP55	D0-149-2	D0-148-2	1239.47	1239.67	600.00	2.00	0.00	-1.72	-2.95	2.09	4.51	0.56	-9E+99	1.31	4.13	1.19	0.59
Beals & Salt Valley	PP56	D0-148-2	D0-60-2	1239.67	1231.14	440.00	2.00	0.02	0.00	0.00	6.78	4.51	0.31	-9E+99	10.03	31.50	0.68	0.34
Beals & Salt Valley	PP57	D0-60-2	D0-61-2	1231.14	1228.60	400.00	2.00	0.01	0.00	0.00	4.76	4.51	0.38	-9E+99	5.74	18.03	0.69	0.35
Beals & Salt Valley	PP58	D0-61-2	D0-62-2	1228.60	1226.31	383.00	2.00	0.01	0.00	0.00	4.37	4.51	0.40	-9E+99	5.57	17.49	1.02	0.51
Beals & Salt Valley	PP59	D0-62-2	C0-124-2	1226.31	1225.39	517.00	2.00	0.00	0.00	0.00	2.95	4.51	0.49	-9E+99	3.04	9.54	1.02	0.51
Beals & Salt Valley	PP60	C0-124-2	C0-123-2	1225.39	1222.25	331.00	2.50	0.01	0.00	0.00	5.26	4.51	0.34	-9E+99	8.14	39.95	0.66	0.27
Beals & Salt Valley	PP61	C0-123-2	C0-122-2	1222.25	1220.83	280.00	2.50	0.01	0.00	0.00	4.25	4.51	0.40	-9E+99	5.95	29.21	0.89	0.36
Beals & Salt Valley	PP62	C0-122-2	C0-121-2	1220.83	1219.16	500.00	2.50	0.00	0.00	0.00	3.72	4.55	0.51	-9E+99	4.83	23.70	2.27	0.91
Beals & Salt Valley	PP63	C0-121-2	C0-120-2	1219.16	1217.17	502.00	2.50	0.00	0.00	0.00	3.91	5.24	0.75	-9E+99	5.26	25.82	4.20	1.68
Beals & Salt Valley	PP64	C0-120-2	C0-119-2	1217.17	1216.23	285.00	2.50	0.00	0.00	0.00	3.69	5.86	0.75	-9E+99	4.80	23.56	5.11	2.04
Beals & Salt Valley	PP65	C0-119-2	C1-564-2	1216.23	1215.20	205.21	2.50	0.01	0.00	0.00	4.27	6.29	0.75	-9E+99	5.92	29.06	6.11	2.45
Beals & Salt Valley	PP66	C1-564-2	C1-565-2	1215.20	1212.34	329.97	2.00	0.01	0.00	0.00	4.25	6.52	0.60	-9E+99	6.70	21.06	8.85	4.42
Beals & Salt Valley	PP67	C1-565-2	C1-12-2	1212.34	1211.57	319.83	2.00	0.00	0.00	0.00	4.56	14.52	0.61	-9E+99	3.53	11.10	8.85	4.42
Beals & Salt Valley	L758	C1-565-2	C1-565	1212.34	1212.34	20.00	1.50	0.00	-1.00	-1.44	1.27	-4.18	0.46	-9E+99	0.19	0.33	8.87	5.91
Beals & Salt Valley	PP68	C1-12-2	C1-13-2	1211.57	1209.51	451.39	2.00	0.00	0.00	0.00	5.47	14.44	0.61	-9E+99	4.86	15.28	8.93	4.47
Beals & Salt Valley	PP69	C1-13-2	C1-14-2	1209.51	1207.47	465.23	2.00	0.00	0.00	0.00	5.24	14.28	0.61	-9E+99	4.77	14.98	9.32	4.66
Beals & Salt Valley	PP70	C1-14-2	C1-15-2	1207.47	1205.85	458.00	2.00	0.00	0.00	0.00	4.76	14.15	0.61	-9E+99	4.28	13.45	9.32	4.66
Beals & Salt Valley	PP71	C1-15-2	C1-16-2	1205.85	1204.52	445.70	2.00	0.00	0.00	0.00	4.51	13.99	0.61	-9E+99	3.93	12.36	9.32	4.66
Beals & Salt Valley	PP72	C1-16-2	C1-17-2	1204.52	1203.21	431.67	2.00	0.00	0.00	0.00	4.59	13.88	0.61	-9E+99	3.97	12.46	9.07	4.53
Beals & Salt Valley	PP73	C1-17-2	C1-19-2	1203.21	1202.22	322.50	2.00	0.00	0.00	0.00	4.53	13.65	0.61	-9E+99	3.99	12.53	8.84	4.42
Beals & Salt Valley	L760	C1-17-2	C1-17	1203.21	1203.21	20.00	1.75	0.00	-0.21	-0.06	1.61	2.03	0.53	-9E+99	0.21	0.50	8.84	5.05
Beals & Salt Valley	PP74	C1-19-2	C1-36-2	1202.22	1200.92	438.25	2.00	0.00	0.00	0.00	4.50	13.65	0.61	-9E+99	3.92	12.32	8.71	4.36
Beals & Salt Valley	PP75	C1-36-2	C1-37-2	1200.92	1199.57	435.56	2.00	0.00	0.00	0.00	4.55	13.66	0.61	-9E+99	4.01	12.59	8.48	4.24
Beals & Salt Valley	PP76	C1-37-2	C1-38-2	1199.57	1198.22	451.79	2.00	0.00	0.00	0.00	4.49	13.67	0.61	-9E+99	3.94	12.37	8.31	4.16
Beals & Salt Valley	PP77	C1-38-2	C1-39-2	1198.22	1196.87	446.88	2.00	0.00	0.00	0.00	4.50	13.68	0.61	-9E+99	3.96	12.43	8.08	4.04
Beals & Salt Valley	PP78	C1-39-2	C1-40-2	1196.87	1195.51	459.78	2.00	0.00	0.00	0.00	4.47	13.69	0.61	-9E+99	3.92	12.30	7.87	3.94

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP79	C1-40-2	C1-41-2	1195.51	1194.57	307.66	2.00	0.00	0.00	0.00	4.46	13.70	0.61	-9E+99	3.98	12.50	7.62	3.81
Beals & Salt Valley	PP80	C1-41-2	C1-42-2	1194.57	1194.16	137.00	2.00	0.00	0.00	0.00	4.35	13.71	0.61	-9E+99	3.94	12.38	7.48	3.74
Beals & Salt Valley	PP81	C1-42-2	C1-43-2	1194.16	1192.58	525.00	2.00	0.00	0.00	0.00	4.50	14.34	0.61	-9E+99	3.95	12.41	7.41	3.70
Beals & Salt Valley	PP82	C1-43-2	C1-44-2	1192.58	1191.11	488.99	2.00	0.00	0.00	0.00	4.59	14.64	0.61	-9E+99	3.95	12.40	6.96	3.48
Beals & Salt Valley	PP83	C1-44-2	C1-92-2	1191.11	1189.86	417.40	2.00	0.00	0.00	0.00	4.99	15.80	0.61	-9E+99	3.94	12.38	6.44	3.22
Beals & Salt Valley	L761	C1-44-2	C1-44	1191.11	1191.11	20.00	1.75	0.00	-0.08	-0.14	-0.08	-1.25	0.53	-9E+99	0.21	0.50	6.44	3.68
Beals & Salt Valley	PP84	C1-92-2	C1-99-2	1189.86	1188.38	494.61	2.00	0.00	0.00	0.00	5.00	15.79	0.61	-9E+99	3.94	12.37	5.74	2.87
Beals & Salt Valley	PP85	C1-99-2	C1-101-2	1188.38	1186.49	540.00	2.00	0.00	0.00	0.00	4.99	15.78	0.61	-9E+99	4.26	13.38	4.90	2.45
Beals & Salt Valley	PP86	C1-101-2	C1-186-2	1186.49	1185.42	358.00	2.00	0.00	0.00	0.00	4.99	15.72	0.61	-9E+99	3.94	12.37	4.24	2.12
Beals & Salt Valley	PP87	C1-186-2	C1-188-2	1185.42	1183.70	490.00	2.25	0.00	0.00	0.00	5.14	15.77	0.68	-9E+99	4.61	18.35	4.08	1.82
Beals & Salt Valley	PP88	C1-188-2	C1-190-2	1183.70	1182.31	413.00	2.25	0.00	0.00	0.00	5.10	15.91	0.68	-9E+99	4.52	17.97	4.43	1.97
Beals & Salt Valley	PP89	C1-190-2	C1-191-2	1182.31	1181.11	102.00	2.25	0.01	0.00	0.00	7.73	15.94	0.67	-9E+99	8.45	33.59	5.37	2.39
Beals & Salt Valley	PP90	C1-191-2	C1-193-2	1181.11	1179.64	189.00	2.25	0.01	0.00	0.00	6.37	15.95	0.67	-9E+99	6.87	27.31	6.37	2.83
Beals & Salt Valley	PP91	C1-193-2	C1-195-2	1179.64	1177.91	509.00	2.25	0.00	0.00	0.00	5.04	15.96	0.67	-9E+99	4.54	18.06	6.82	3.03
Beals & Salt Valley	PP92	C1-195-2	C1-197-2	1177.91	1176.21	500.00	2.25	0.00	0.00	0.00	5.03	15.97	0.68	-9E+99	4.54	18.06	7.28	3.23
Beals & Salt Valley	PP93	C1-197-2	C1-569-2	1176.21	1174.60	217.68	2.25	0.01	0.00	0.00	6.51	16.07	0.67	-9E+99	6.70	26.63	8.35	3.71
Beals & Salt Valley	PP94	C1-569-2	C1-569	1174.60	1174.16	38.98	2.25	0.01	0.00	0.00	5.58	16.11	0.68	-9E+99	8.28	32.90	8.69	3.86
Beals & Salt Valley	PP95	C1-569	B1-239	1174.16	1173.67	256.00	2.25	0.00	0.00	0.00	4.40	17.57	0.68	-9E+99	3.41	13.55	8.69	3.86
Beals & Salt Valley	PP96	C1-569	C1-570	1174.16	1173.83	113.19	2.25	0.00	0.00	0.00	4.97	15.84	0.68	-9E+99	4.21	16.72	8.75	3.89
Beals & Salt Valley	PP97	B1-239	B1-272	1173.67	1173.42	188.00	2.50	0.00	-0.36	-0.13	4.15	17.65	0.76	-9E+99	3.05	14.96	8.42	3.37
Beals & Salt Valley	PP98	C0-226	C0-227	1213.57	1210.07	312.30	1.75	0.01	0.00	0.00	6.10	5.43	0.37	-9E+99	6.97	16.77	0.78	0.45
Beals & Salt Valley	PP99	C0-227	C0-228	1210.07	1207.74	337.60	1.75	0.01	0.00	0.00	5.12	5.43	0.41	-9E+99	5.47	13.16	0.89	0.51
Beals & Salt Valley	PP100	C0-228	C0-229	1207.74	1206.23	327.30	1.75	0.00	0.00	0.00	4.32	5.43	0.45	-9E+99	4.47	10.76	1.10	0.63
Beals & Salt Valley	PP101	C0-229	C0-511	1206.23	1205.91	180.00	1.75	0.00	0.00	0.00	3.52	5.43	0.49	-9E+99	2.78	6.68	1.10	0.63
Beals & Salt Valley	PP102	C0-511	C0-230	1205.91	1204.29	242.00	1.75	0.01	0.00	0.00	5.04	5.43	0.41	-9E+99	5.39	12.96	0.89	0.51
Beals & Salt Valley	PP103	C0-230	C0-223	1204.29	1202.30	432.30	1.75	0.00	0.00	0.00	4.16	5.43	0.45	-9E+99	4.47	10.75	1.38	0.79
Beals & Salt Valley	PP104	C0-223	C0-222	1202.30	1201.96	274.00	1.75	0.00	0.00	0.00	2.67	5.43	0.53	-9E+99	2.32	5.58	1.38	0.79
Beals & Salt Valley	PP105	C0-222	C0-221	1201.96	1201.44	429.00	1.75	0.00	0.00	0.00	2.68	5.43	0.53	-9E+99	2.29	5.52	1.38	0.79
Beals & Salt Valley	PP106	C0-221	C0-220	1201.44	1201.00	357.00	1.75	0.00	0.00	0.00	2.77	5.43	0.53	-9E+99	2.31	5.56	1.34	0.76
Beals & Salt Valley	PP107	C0-220	C0-96	1201.00	1200.63	335.00	1.75	0.00	0.00	0.00	3.13	5.43	0.50	-9E+99	2.19	5.27	1.26	0.72
Beals & Salt Valley	PP108	C0-96	C0-97	1200.63	1193.93	375.00	1.75	0.02	0.00	0.00	6.86	5.43	0.35	-9E+99	8.81	21.18	0.92	0.53
Beals & Salt Valley	PP109	C0-97	C0-44	1193.93	1192.88	244.00	1.75	0.00	0.00	0.00	4.31	5.43	0.45	-9E+99	4.32	10.39	0.92	0.53
Beals & Salt Valley	PP110	C0-44	C0-43	1192.88	1191.97	102.00	1.75	0.01	0.00	0.00	4.61	5.43	0.43	-9E+99	6.22	14.97	1.37	0.78
Beals & Salt Valley	PP111	C0-43	C0-67	1191.97	1191.92	120.00	1.75	0.00	0.00	0.00	2.71	5.43	0.53	-9E+99	1.34	3.23	1.37	0.78
Beals & Salt Valley	PP112	C0-67	C1-539	1191.92	1192.10	188.00	2.00	0.00	-1.81	-2.11	2.80	5.43	0.55	-9E+99	2.23	7.00	1.06	0.53
Beals & Salt Valley	PP113	C1-539	C1-446	1192.10	1189.84	276.00	2.00	0.01	0.00	0.00	5.34	5.43	0.39	-9E+99	6.52	20.47	0.86	0.43
Beals & Salt Valley	PP114	C1-446	C1-445	1189.84	1188.00	460.00	2.00	0.00	0.00	0.00	4.24	5.43	0.45	-9E+99	4.55	14.31	0.86	0.43
Beals & Salt Valley	PP115	C1-445	C1-461	1188.00	1186.20	451.00	2.00	0.00	0.00	0.00	4.24	5.43	0.46	-9E+99	4.55	14.29	1.11	0.56
Beals & Salt Valley	PP116	C1-461	C1-444	1186.20	1184.50	425.00	2.00	0.00	0.00	0.00	4.21	5.48	0.53	-9E+99	4.55	14.31	2.43	1.21
Beals & Salt Valley	PP117	C1-444	C1-482	1184.50	1184.14	110.00	2.00	0.00	0.00	0.00	4.05	5.58	0.60	-9E+99	4.12	12.94	2.72	1.36
Beals & Salt Valley	PP118	C1-482	C1-412	1184.14	1182.84	227.00	2.00	0.01	0.00	0.00	4.39	5.64	0.60	-9E+99	5.45	17.12	3.89	1.95
Beals & Salt Valley	PP119	C1-412	C1-402	1182.84	1182.50	335.00	2.00	0.00	0.00	0.00	2.72	5.66	0.61	-9E+99	2.29	7.21	4.04	2.02
Beals & Salt Valley	PP120	C1-402	C1-396	1182.50	1181.49	507.50	2.00	0.00	0.00	0.00	3.01	5.69	0.60	-9E+99	3.21	10.09	4.77	2.38
Beals & Salt Valley	PP121	C1-396	C1-391	1181.49	1181.03	573.32	2.00	0.00	0.00	0.00	2.45	5.82	0.61	-9E+99	2.04	6.41	4.91	2.46
Beals & Salt Valley	PP122	C1-391	C1-382	1181.03	1180.29	575.00	2.00	0.00	0.00	0.00	2.87	6.05	0.60	-9E+99	2.58	8.12	5.33	2.67

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP123	C1-382	C1-561	1180.29	1178.07	300.00	2.00	0.01	0.00	0.00	4.26	6.43	0.60	-9E+99	6.19	19.46	7.39	3.70
Beals & Salt Valley	PP124	C1-561	C1-545	1178.07	1178.67	23.00	1.50	-0.03	-1.59	0.85	1.73	2.83	0.44	-9E+99	9.60	16.97	7.38	4.92
Beals & Salt Valley	PP125	C1-561	C1-562	1178.07	1176.11	623.00	1.50	0.00	0.00	0.00	4.04	7.02	0.46	-9E+99	3.33	5.89	7.39	4.93
Beals & Salt Valley	PP126	C1-545	C1-544	1178.67	1178.10	243.00	1.50	0.00	0.00	0.00	3.69	6.61	0.46	-9E+99	2.88	5.09	6.78	4.52
Beals & Salt Valley	PP127	C1-544	C1-543	1178.10	1177.80	159.00	1.50	0.00	0.00	0.00	3.90	6.55	0.46	-9E+99	2.58	4.56	6.48	4.32
Beals & Salt Valley	PP128	C1-543	C1-542	1177.80	1176.80	145.00	1.50	0.01	0.00	0.00	5.24	6.44	0.45	-9E+99	4.94	8.72	6.69	4.46
Beals & Salt Valley	PP129	C1-542	B1-79	1176.80	1176.11	108.96	1.50	0.01	0.00	0.00	5.07	6.44	0.45	-9E+99	4.73	8.36	6.99	4.66
Beals & Salt Valley	PP130	B1-79	B1-80	1176.11	1173.10	395.00	1.50	0.01	0.00	0.00	4.79	6.44	0.45	-9E+99	5.19	9.17	8.59	5.73
Beals & Salt Valley	PP131	B1-80	B1-292	1173.10	1173.00	28.00	2.50	0.00	0.00	0.00	7.00	30.94	0.76	-9E+99	4.99	24.51	8.59	3.44
Beals & Salt Valley	PP132	C1-570	B1-291	1173.73	1172.97	257.00	2.25	0.00	0.00	0.00	4.80	15.77	0.68	-9E+99	4.24	16.84	8.99	4.00
Beals & Salt Valley	PP133	B1-291	B1-292	1172.87	1172.36	178.00	2.25	0.00	0.00	0.00	4.54	16.16	0.68	-9E+99	4.17	16.58	9.18	4.08
Beals & Salt Valley	PP134	B1-292	B1-82	1172.26	1171.62	526.00	2.50	0.00	0.00	0.00	4.55	22.69	0.76	-9E+99	2.91	14.31	9.28	3.71
Beals & Salt Valley	PP135	B1-292	B1-293	1172.26	1172.08	53.00	2.50	0.00	0.00	0.00	5.96	24.73	0.76	-9E+99	4.87	23.90	9.29	3.72
Beals & Salt Valley	PP136	B1-82	B1-84	1171.62	1169.41	600.00	2.50	0.00	0.00	0.00	5.63	22.69	0.75	-9E+99	5.07	24.89	8.79	3.52
Beals & Salt Valley	PP137	B1-84	B1-86	1169.41	1167.11	600.00	2.50	0.00	0.00	0.00	5.55	22.69	0.75	-9E+99	5.17	25.40	9.31	3.72
Beals & Salt Valley	PP138	B1-86	B1-89	1167.11	1164.84	588.00	2.50	0.00	0.00	0.00	5.34	22.69	0.75	-9E+99	5.19	25.49	9.84	3.94
Beals & Salt Valley	PP140	B1-89	B1-91	1164.84	1162.83	500.00	2.50	0.00	0.00	0.00	5.50	24.08	0.75	-9E+99	5.30	26.01	10.19	4.08
Beals & Salt Valley	PP141	B1-91	B1-241	1162.83	1162.42	63.00	2.50	0.01	0.00	0.00	5.66	24.08	0.76	-9E+99	6.74	33.09	10.40	4.16
Beals & Salt Valley	PP142	B1-241	B1-93	1162.42	1161.71	226.00	2.50	0.00	0.00	0.00	4.81	24.07	0.75	-9E+99	4.68	22.99	10.40	4.16
Beals & Salt Valley	PP143	B1-93	B1-95	1161.71	1160.61	106.00	2.50	0.01	0.00	0.00	7.24	25.20	0.75	-9E+99	8.51	41.78	11.07	4.43
Beals & Salt Valley	L773	B1-93	B1-298	1161.71	1161.13	33.00	2.00	0.02	-1.76	-4.71	6.17	-9.51	0.60	-9E+99	9.55	29.99	10.94	5.47
Beals & Salt Valley	PP144	B1-95	B1-262	1160.61	1159.26	350.00	2.50	0.00	0.00	0.00	5.58	25.20	0.76	-9E+99	5.19	25.47	11.16	4.46
Beals & Salt Valley	PP145	B1-262	B2-17	1159.26	1157.65	575.90	2.50	0.00	0.00	0.00	5.12	25.20	0.76	-9E+99	4.42	21.69	11.16	4.46
Beals & Salt Valley	PP146	B2-17	B2-20	1157.65	1155.60	525.00	2.50	0.00	0.00	0.00	5.47	25.94	0.75	-9E+99	5.22	25.63	10.72	4.29
Beals & Salt Valley	PP147	B2-20	B2-298	1155.60	1155.26	150.00	2.50	0.00	0.00	0.00	5.20	26.08	0.76	-9E+99	3.98	19.53	10.72	4.29
Beals & Salt Valley	PP148	B2-298	B2-37	1155.26	1154.92	147.00	2.50	0.00	0.00	0.00	5.27	26.38	0.76	-9E+99	4.02	19.73	10.48	4.19
Beals & Salt Valley	PP149	B2-37	B2-35	1154.92	1154.36	228.48	2.50	0.00	0.00	0.00	5.33	26.67	0.76	-9E+99	4.14	20.31	10.24	4.09
Beals & Salt Valley	PP150	B2-35	B2-34	1154.36	1154.12	104.00	2.50	0.00	0.00	0.00	5.33	26.67	0.76	-9E+99	4.01	19.70	9.87	3.95
Beals & Salt Valley	PP151	B2-34	B2-33	1154.12	1153.26	327.00	2.50	0.00	0.00	0.00	5.34	26.66	0.76	-9E+99	4.29	21.03	9.68	3.87
Beals & Salt Valley	PP152	B2-33	B2-217	1153.26	1152.50	213.80	2.50	0.00	0.00	0.00	5.34	26.66	0.76	-9E+99	4.98	24.46	9.21	3.68
Beals & Salt Valley	PP153	B2-367	B2-217	1152.82	1152.50	400.00	2.00	0.00	0.01	0.04	0.07	0.22	0.61	-9E+99	2.04	6.40	9.09	4.55
Beals & Salt Valley	PP154	B2-217	B2-32	1152.50	1152.34	185.10	2.50	0.00	0.00	0.00	5.34	26.66	0.76	-9E+99	2.46	12.06	9.09	3.64
Beals & Salt Valley	PP155	B2-32	B2-31	1152.34	1151.42	401.00	2.50	0.00	0.00	0.00	5.35	26.66	0.76	-9E+99	4.00	19.65	8.50	3.40
Beals & Salt Valley	PP156	B2-31	B2-108	1151.42	1150.28	620.00	3.00	0.00	0.00	0.00	3.73	26.66	0.90	-9E+99	4.05	28.60	7.94	2.65
Beals & Salt Valley	PP157	B2-108	B2-361	1150.28	1149.91	270.00	3.00	0.00	0.00	0.00	3.73	26.66	0.91	-9E+99	3.49	24.69	7.94	2.65
Beals & Salt Valley	PP158	B2-361	B2-107	1149.91	1149.53	338.80	3.00	0.00	0.00	0.00	3.73	26.66	0.91	-9E+99	3.16	22.34	7.89	2.63
Beals & Salt Valley	PP159	B2-107	B2-106	1149.53	1148.77	608.00	3.00	0.00	0.00	0.00	3.73	26.66	0.90	-9E+99	3.34	23.58	7.74	2.58
Beals & Salt Valley	PP160	B2-106	B2-105	1148.77	1150.06	514.50	3.00	0.00	-2.18	-15.47	3.74	26.66	0.88	-9E+99	4.72	33.40	6.74	2.25
Beals & Salt Valley	PP161	B2-105	B2-345	1150.06	1149.71	465.00	3.00	0.00	0.00	0.00	4.43	26.66	0.91	-9E+99	2.59	18.30	5.45	1.82
Beals & Salt Valley	PP162	B2-345	B2-104	1149.71	1147.26	239.40	3.00	0.01	0.00	0.00	6.86	26.66	0.90	-9E+99	9.55	67.47	7.14	2.38
Beals & Salt Valley	PP163	B2-104	B2-103	1147.26	1146.51	603.30	3.00	0.00	0.00	0.00	3.74	26.66	0.91	-9E+99	3.33	23.52	7.14	2.38
Beals & Salt Valley	PP164	B2-103	B2-350	1146.51	1146.13	259.50	3.00	0.00	-0.19	-0.11	3.74	26.66	0.91	-9E+99	3.61	25.52	6.94	2.31
Beals & Salt Valley	PP165	B2-350	B2-102	1146.13	1145.76	601.00	3.00	0.00	0.00	0.00	3.90	27.78	0.91	-9E+99	2.34	16.55	6.91	2.30
Beals & Salt Valley	PP166	B2-102	B2-101	1145.76	1144.96	628.00	3.00	0.00	0.00	0.00	3.90	27.78	0.91	-9E+99	3.37	23.81	6.25	2.09
Beals & Salt Valley	PP167	B2-101	B3-472	1144.96	1144.20	609.30	3.00	0.00	0.00	0.00	3.91	27.78	0.91	-9E+99	3.33	23.56	5.98	1.99

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP168	B3-472	B3-473	1144.20	1143.69	350.00	3.00	0.00	0.00	0.00	4.14	29.45	0.91	-9E+99	3.60	25.46	5.70	1.90
Beals & Salt Valley	PP169	B3-473	B3-627	1143.69	1143.51	18.00	3.00	0.01	-0.18	-0.33	4.14	29.45	0.91	-9E+99	9.44	66.70	5.68	1.89
Beals & Salt Valley	PP170	B3-627	B3-476	1143.51	1143.50	392.00	3.00	0.00	0.00	0.00	4.14	29.45	0.91	-9E+99	0.48	3.37	5.68	1.89
Beals & Salt Valley	PP171	B3-476	B3-478	1143.50	1142.99	392.00	3.00	0.00	0.00	0.00	4.18	29.45	0.91	-9E+99	3.40	24.06	4.93	1.64
Beals & Salt Valley	PP172	B3-478	B3-480	1142.99	1142.25	405.00	3.00	0.00	0.00	0.00	4.34	29.45	0.91	-9E+99	4.03	28.51	4.68	1.56
Beals & Salt Valley	PP173	B3-480	B3-513	1142.25	1141.50	551.20	3.00	0.00	0.00	0.00	4.18	29.46	0.91	-9E+99	3.48	24.60	4.64	1.55
Beals & Salt Valley	PP174	B3-513	B3-486	1141.50	1140.06	667.00	3.00	0.00	0.00	0.00	4.48	29.46	0.90	-9E+99	4.38	30.99	4.47	1.49
Beals & Salt Valley	PP175	B3-486	B3-667	1140.06	1136.04	28.36	2.00	0.14	0.00	0.00	9.29	29.46	0.60	-9E+99	27.11	85.17	8.03	4.02
Beals & Salt Valley	PP176	B3-466	B3-465	1144.71	1144.17	443.00	1.50	0.00	0.00	0.00	2.28	4.05	0.46	-9E+99	2.08	3.67	3.74	2.49
Beals & Salt Valley	PP177	B3-466	B3-668	1144.71	1144.55	56.24	1.50	0.00	-2.27	-4.05	-2.27	-4.05	0.45	-9E+99	3.17	5.60	3.98	2.65
Beals & Salt Valley	PP178	B3-465	B3-464	1144.17	1143.71	430.00	1.50	0.00	0.00	0.00	2.27	4.05	0.46	-9E+99	1.94	3.44	3.65	2.44
Beals & Salt Valley	PP179	B3-464	B3-463	1143.71	1143.24	430.00	1.50	0.00	0.00	0.00	2.27	4.05	0.45	-9E+99	1.97	3.47	3.51	2.34
Beals & Salt Valley	PP180	B3-463	B3-462	1143.24	1142.76	430.00	1.50	0.00	0.00	0.00	2.27	4.05	0.45	-9E+99	1.99	3.51	3.37	2.25
Beals & Salt Valley	PP181	B3-462	B3-461	1142.76	1143.34	405.00	1.50	0.00	-2.28	-4.05	2.31	4.05	0.44	-9E+99	2.25	3.98	2.68	1.78
Beals & Salt Valley	PP182	B3-461	B3-641	1143.34	1142.57	315.00	1.50	0.00	0.00	0.00	3.18	4.05	0.45	-9E+99	2.94	5.19	2.42	1.61
Beals & Salt Valley	PP183	B3-641	B3-640	1142.57	1142.31	105.84	1.50	0.00	0.00	0.00	3.16	4.05	0.46	-9E+99	2.95	5.21	2.53	1.69
Beals & Salt Valley	PP184	B3-640	B4-690	1142.31	1141.98	128.00	1.50	0.00	0.00	0.00	3.14	4.05	0.46	-9E+99	3.02	5.33	2.68	1.79
Beals & Salt Valley	PP185	B4-690	B4-57	1141.98	1141.40	242.00	1.50	0.00	0.00	0.00	3.02	4.05	0.45	-9E+99	2.91	5.14	2.92	1.95
Beals & Salt Valley	PP186	B4-57	B4-636	1141.40	1140.82	230.00	1.50	0.00	0.00	0.00	2.81	4.05	0.45	-9E+99	2.99	5.27	3.17	2.12
Beals & Salt Valley	PP187	B4-636	B4-69	1140.82	1140.84	171.00	1.50	0.00	-2.28	-4.05	2.42	4.05	0.45	-9E+99	0.64	1.14	3.15	2.10
Beals & Salt Valley	PP188	B4-69	B4-594	1140.84	1140.15	199.00	1.50	0.00	0.00	0.00	3.49	4.05	0.45	-9E+99	3.50	6.19	3.32	2.22
Beals & Salt Valley	PP189	B4-594	B4-183	1140.15	1140.25	630.00	1.50	0.00	-2.37	-4.22	2.47	4.34	0.45	-9E+99	0.75	1.32	3.22	2.15
Beals & Salt Valley	PP190	B4-594	B4-736	1140.15	1130.69	54.50	1.50	0.17	-0.09	-0.17	3.58	2.54	0.45	-9E+99	24.77	43.76	12.78	8.52
Beals & Salt Valley	PP191	B4-183	B4-605	1140.25	1140.25	167.00	1.50	0.00	0.00	0.00	2.86	4.31	0.45	-9E+99	0.19	0.33	2.25	1.50
Beals & Salt Valley	PP192	B4-605	B4-738	1140.25	1129.96	45.00	1.50	0.23	0.00	0.00	6.01	4.37	0.45	-9E+99	28.42	50.23	12.21	8.14
Beals & Salt Valley	PP194	B1-8	B1-7	1158.49	1143.50	236.00	5.00	0.06	0.00	0.00	10.96	45.21	1.49	-9E+99	33.43	656.38	26.52	5.30
Beals & Salt Valley	PP195	B1-7	B1-6	1143.50	1142.67	569.00	5.00	0.00	0.00	0.00	6.69	134.88	1.52	-9E+99	5.07	99.47	26.52	5.30
Beals & Salt Valley	PP196	B1-6	B1-5	1142.57	1141.81	569.00	5.00	0.00	0.00	0.00	6.59	132.87	1.52	-9E+99	4.85	95.18	26.06	5.21
Beals & Salt Valley	PP197	B1-5	B1-4	1141.51	1141.11	215.00	5.00	0.00	0.00	0.00	6.54	131.85	1.52	-9E+99	5.72	112.34	25.76	5.15
Beals & Salt Valley	PP198	B1-4	B1-3	1140.81	1139.80	748.00	5.00	0.00	0.00	0.00	6.53	131.52	1.52	-9E+99	4.87	95.70	25.95	5.19
Beals & Salt Valley	PP199	B1-3	B1-2	1139.70	1138.69	754.00	5.00	0.00	0.00	0.00	6.53	131.48	1.52	-9E+99	4.85	95.32	25.28	5.06
Beals & Salt Valley	PP200	B1-2	B1-1	1138.59	1137.58	754.00	5.00	0.00	0.00	0.00	6.54	131.47	1.52	-9E+99	4.85	95.32	24.67	4.93
Beals & Salt Valley	L762	B1-1	B1-310	1137.48	1136.59	260.00	5.00	0.00	0.00	0.00	6.49	126.52	1.51	-9E+99	7.21	141.49	24.20	4.84
Beals & Salt Valley	PP202	B1-293	B1-294	1171.98	1168.88	845.00	2.50	0.00	0.00	0.00	5.76	24.57	0.76	-9E+99	5.06	24.84	9.77	3.91
Beals & Salt Valley	PP203	B1-294	B1-295	1168.78	1165.68	817.00	2.50	0.00	0.00	0.00	5.80	23.69	0.76	-9E+99	5.15	25.27	10.34	4.14
Beals & Salt Valley	PP204	B1-295	B1-296	1165.68	1163.44	613.00	2.50	0.00	0.00	0.00	5.73	24.01	0.76	-9E+99	5.05	24.79	10.57	4.23
Beals & Salt Valley	PP205	B1-296	B1-298	1163.34	1160.13	590.00	2.50	0.01	0.00	0.00	5.53	24.01	0.75	-9E+99	6.16	30.25	11.94	4.78
Beals & Salt Valley	PP206	B1-298	B1-299	1160.03	1159.69	106.00	2.50	0.00	0.00	0.00	4.93	22.89	0.76	-9E+99	4.73	23.23	12.06	4.83
Beals & Salt Valley	PP207	B1-299	B1-300	1159.59	1158.13	285.00	2.50	0.01	0.00	0.00	5.45	22.89	0.75	-9E+99	5.98	29.36	12.78	5.11
Beals & Salt Valley	PP208	B1-300	B1-301	1158.03	1155.23	557.00	2.50	0.01	0.00	0.00	5.41	22.89	0.75	-9E+99	5.92	29.08	14.04	5.61
Beals & Salt Valley	PP209	B1-301	B1-302	1155.13	1152.24	574.00	2.50	0.01	0.00	0.00	5.41	22.89	0.75	-9E+99	5.93	29.10	15.34	6.14
Beals & Salt Valley	PP210	B1-302	B1-303	1152.14	1149.25	574.00	2.50	0.01	0.00	0.00	5.16	22.89	0.75	-9E+99	5.93	29.10	16.66	6.66
Beals & Salt Valley	PP211	B1-303	B1-305	1149.15	1148.68	162.00	2.50	0.00	0.00	0.00	4.50	22.89	0.76	-9E+99	4.50	22.09	16.76	6.70
Beals & Salt Valley	PP212	B1-305	B1-306	1148.58	1146.71	631.00	3.00	0.00	0.00	0.00	4.26	25.47	0.90	-9E+99	5.14	36.31	17.86	5.95
Beals & Salt Valley	PP213	B1-306	B1-307	1146.61	1143.12	1160.00	3.00	0.00	0.00	0.00	4.12	25.94	0.90	-9E+99	5.18	36.58	19.81	6.60

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP214	B1-307	B1-308	1143.02	1142.61	141.00	3.00	0.00	0.00	0.00	4.13	25.94	0.91	-9E+99	5.09	35.97	20.13	6.71
Beals & Salt Valley	PP215	B1S-5	B1S-94	1180.83	1176.57	614.00	1.50	0.01	0.00	0.00	4.55	3.66	0.41	-9E+99	4.95	8.75	3.88	2.58
Beals & Salt Valley	PP216	B1S-94	B1S-56	1176.57	1172.90	603.00	1.50	0.01	0.00	0.00	4.18	3.66	0.45	-9E+99	4.64	8.19	6.90	4.60
Beals & Salt Valley	PP217	B1S-56	B1S-57	1172.90	1171.55	434.00	1.50	0.00	0.00	0.00	3.32	3.65	0.45	-9E+99	3.32	5.86	7.81	5.21
Beals & Salt Valley	PP218	B1S-57	B1S-58	1171.55	1170.69	275.00	1.50	0.00	0.00	0.00	3.31	3.65	0.45	-9E+99	3.32	5.87	8.40	5.60
Beals & Salt Valley	PP219	B1S-58	B1S-59	1170.69	1170.48	69.00	1.50	0.00	0.00	0.00	3.32	3.65	0.45	-9E+99	3.28	5.80	8.55	5.70
Beals & Salt Valley	PP220	B1S-6	B1S-59	1171.98	1170.48	411.00	1.50	0.00	0.00	0.00	0.00	-0.48	0.38	-9E+99	3.59	6.35	8.55	5.70
Beals & Salt Valley	PP221	B1S-59	B1S-9	1170.48	1170.13	96.00	1.50	0.00	0.00	0.00	3.39	3.65	0.45	-9E+99	3.59	6.34	8.82	5.88
Beals & Salt Valley	PP222	B1S-9	B1S-10	1170.13	1169.14	342.00	1.50	0.00	0.00	0.00	3.19	3.53	0.45	-9E+99	3.20	5.65	9.54	6.36
Beals & Salt Valley	PP223	B1S-10	B1S-11	1169.14	1167.95	361.00	1.50	0.00	0.00	0.00	3.27	3.53	0.45	-9E+99	3.41	6.03	10.47	6.98
Beals & Salt Valley	PP224	B1S-11	B1S-12	1167.95	1165.07	317.00	1.50	0.01	0.00	0.00	4.41	3.53	0.45	-9E+99	5.67	10.01	13.12	8.75
UNK	PP225	B1S-96	B1S-95	1187.31	1185.54	100.00	1.50	0.02	0.00	0.00	7.46	6.73	0.45	-9E+99	7.91	13.98	6.78	4.52
UNK	PP226	B1S-95	B2S-41	1185.54	1179.30	520.00	1.50	0.01	0.00	0.00	6.26	6.72	0.45	-9E+99	6.51	11.51	11.02	7.35
Beals & Salt Valley	PP227	B2S-41	B2S-42	1179.30	1177.98	425.00	1.50	0.00	0.00	0.00	3.78	6.72	0.46	-9E+99	3.31	5.85	11.02	7.35
Beals & Salt Valley	PP228	B2S-42	B2S-43	1177.98	1176.86	360.00	1.50	0.00	0.00	0.00	3.83	6.72	0.46	-9E+99	3.32	5.86	10.75	7.17
Beals & Salt Valley	PP229	B2S-43	B2S-44	1176.86	1174.68	360.00	1.50	0.01	0.00	0.00	4.81	6.72	0.45	-9E+99	4.63	8.17	11.35	7.57
Beals & Salt Valley	PP230	B2S-44	B2S-45	1174.68	1171.12	341.00	1.50	0.01	0.00	0.00	5.17	6.72	0.45	-9E+99	6.07	10.73	13.66	9.11
Beals & Salt Valley	PP231	B2S-45	B2S-37	1171.12	1171.12	341.00	1.50	0.00	-1.31	-0.99	3.62	6.72	0.44	-9E+99	0.19	0.33	13.66	9.11
Beals & Salt Valley	PP232	B2S-37	B2S-38	1171.12	1170.62	418.00	4.00	0.00	0.00	0.00	4.44	52.00	1.22	-9E+99	3.95	49.68	12.51	3.13
Beals & Salt Valley	PP233	B2S-38	B2S-39	1170.62	1170.14	400.00	4.00	0.00	0.00	0.00	4.44	51.99	1.22	-9E+99	3.96	49.76	12.49	3.12
Beals & Salt Valley	PP234	B2S-39	B2S-40	1170.14	1169.42	600.00	4.00	0.00	0.00	0.00	4.43	51.99	1.22	-9E+99	3.96	49.76	12.47	3.12
Beals & Salt Valley	PP235	B2S-40	B1S-72	1169.42	1168.70	600.00	4.00	0.00	0.00	0.00	4.43	51.99	1.21	-9E+99	3.96	49.76	12.44	3.11
Beals & Salt Valley	PP236	B1S-72	B1S-73	1168.70	1167.97	600.00	4.00	0.00	0.00	0.00	4.42	51.99	1.21	-9E+99	3.99	50.10	12.42	3.11
Beals & Salt Valley	PP237	B1S-73	B1S-74	1167.97	1167.30	548.00	4.00	0.00	0.00	0.00	4.39	51.99	1.21	-9E+99	4.00	50.23	12.43	3.11
Beals & Salt Valley	PP238	B1S-74	B1S-75	1167.30	1166.57	602.00	4.00	0.00	0.00	0.00	4.34	51.99	1.21	-9E+99	3.98	50.02	12.48	3.12
Beals & Salt Valley	PP239	B1S-75	B1S-76	1166.57	1165.89	561.00	4.00	0.00	0.00	0.00	4.39	48.63	1.22	-9E+99	3.98	50.01	12.55	3.14
Beals & Salt Valley	PP240	B1S-76	B1S-12	1165.89	1165.07	239.00	4.00	0.00	-0.34	-0.63	4.49	47.28	1.21	-9E+99	6.70	84.14	13.12	3.28
Beals & Salt Valley	PP241	B1S-12	B1S-13	1165.07	1164.76	424.00	4.00	0.00	0.00	0.00	4.23	53.84	1.22	-9E+99	3.09	38.84	13.12	3.28
Beals & Salt Valley	PP242	B1S-13	B1S-14	1164.76	1164.33	352.00	4.00	0.00	0.00	0.00	4.16	52.95	1.22	-9E+99	4.00	50.21	12.88	3.22
Beals & Salt Valley	PP243	B1S-14	B1S-15	1164.33	1164.06	509.00	4.00	0.00	0.00	0.00	4.01	51.12	1.22	-9E+99	2.63	33.08	12.86	3.21
Beals & Salt Valley	PP244	B1S-15	B1S-16	1164.06	1163.73	448.00	4.00	0.00	0.00	0.00	3.90	49.68	1.22	-9E+99	3.10	38.99	12.51	3.13
Beals & Salt Valley	PP245	B1S-16	B1S-17	1163.73	1163.18	483.00	4.00	0.00	0.00	0.00	3.93	47.19	1.22	-9E+99	3.86	48.47	12.36	3.09
Beals & Salt Valley	PP246	B1S-17	B1S-18	1163.18	1162.90	226.00	4.00	0.00	0.00	0.00	3.71	45.21	1.22	-9E+99	4.02	50.56	12.42	3.11
Beals & Salt Valley	PP247	B1S-18	B1S-19	1162.90	1162.68	392.00	4.00	0.00	0.00	0.00	3.54	45.03	1.22	-9E+99	2.71	34.03	12.42	3.11
Beals & Salt Valley	PP248	B1S-19	B1S-20	1162.68	1162.57	437.00	4.00	0.00	0.00	0.00	3.64	45.03	1.22	-9E+99	1.81	22.79	12.27	3.07
Beals & Salt Valley	PP249	B1S-20	B1S-21	1162.57	1162.27	118.00	4.00	0.00	0.00	0.00	4.19	44.93	1.22	-9E+99	5.76	72.43	12.15	3.04
Beals & Salt Valley	PP250	B1S-21	B0-208	1162.27	1162.06	316.00	4.00	0.00	0.00	0.00	3.70	43.78	1.22	-9E+99	2.95	37.03	12.15	3.04
Beals & Salt Valley	PP251	B0-208	B0-209	1162.06	1161.19	483.00	4.00	0.00	0.00	0.00	3.65	43.35	1.21	-9E+99	4.85	60.96	12.51	3.13
Beals & Salt Valley	PP252	B0-209	B0-210	1161.19	1161.45	594.00	4.00	0.00	-3.40	-43.35	3.40	43.35	1.21	-9E+99	2.39	30.05	12.25	3.06
Beals & Salt Valley	PP253	B0-210	B0-211	1161.45	1161.20	521.00	4.00	0.00	0.00	0.00	3.66	43.35	1.22	-9E+99	2.50	31.47	11.72	2.93
Beals & Salt Valley	PP254	B0-211	B0-212	1161.20	1160.59	544.00	4.00	0.00	0.00	0.00	3.82	43.25	1.22	-9E+99	3.83	48.10	11.65	2.91
Beals & Salt Valley	PP255	B0-212	B0-213	1160.59	1160.11	605.00	4.00	0.00	0.00	0.00	3.62	43.81	1.22	-9E+99	3.22	40.46	11.66	2.92
Beals & Salt Valley	PP256	B0-213	B0-214	1160.11	1159.78	655.00	4.00	0.00	0.00	0.00	3.60	44.72	1.22	-9E+99	2.57	32.24	11.66	2.92
Beals & Salt Valley	PP257	B0-214	B0-215	1159.78	1159.55	152.00	4.00	0.00	-0.25	-0.09	3.80	44.72	1.22	-9E+99	4.45	55.88	11.63	2.91
Beals & Salt Valley	PP258	B0-215	B0-216	1159.55	1159.40	565.00	4.00	0.00	0.00	0.00	3.75	45.20	1.22	-9E+99	1.86	23.40	11.63	2.91

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP259	B0-216	B0-217	1159.40	1158.96	413.00	4.00	0.00	0.00	0.00	4.43	45.20	1.22	-9E+99	3.73	46.89	11.51	2.88
Beals & Salt Valley	L745	B0-217	B1-8	1158.96	1158.49	583.00	4.00	0.00	0.00	0.00	5.21	45.21	1.22	-9E+99	3.25	40.78	11.57	2.89
Beals & Salt Valley	PP261	B0-218	B0-151	1158.49	1158.27	30.00	2.00	0.01	0.00	0.00	4.20	2.83	0.61	-9E+99	6.17	19.37	5.16	2.58
Beals & Salt Valley	PP262	B0-151	B1-168	1158.27	1158.08	428.00	2.00	0.00	0.00	0.00	1.79	2.83	0.61	-9E+99	1.52	4.77	5.29	2.64
Beals & Salt Valley	PP263	B1-168	B1-167	1158.08	1157.75	417.00	2.00	0.00	0.00	0.00	1.85	2.83	0.60	-9E+99	2.03	6.36	5.55	2.78
Beals & Salt Valley	PP264	B1-167	B1-166	1157.75	1157.42	413.00	2.00	0.00	0.00	0.00	1.83	2.83	0.60	-9E+99	2.04	6.39	5.82	2.91
Beals & Salt Valley	PP265	B1-166	B1-165	1157.42	1157.08	418.00	2.00	0.00	0.00	0.00	1.82	2.83	0.60	-9E+99	2.05	6.45	6.10	3.05
Beals & Salt Valley	PP266	B1-165	B1-164	1157.08	1156.75	418.00	2.00	0.00	0.00	0.00	1.80	2.82	0.60	-9E+99	2.02	6.36	6.37	3.18
Beals & Salt Valley	PP267	B1-164	B1-163	1156.75	1156.42	418.00	2.00	0.00	0.00	0.00	1.79	2.82	0.60	-9E+99	2.02	6.36	6.64	3.32
Beals & Salt Valley	PP268	B1-163	B1-162	1156.42	1156.09	415.00	2.00	0.00	0.00	0.00	1.78	2.82	0.60	-9E+99	2.03	6.38	6.90	3.45
Beals & Salt Valley	PP269	B1-162	B1-161	1156.09	1155.76	410.00	2.00	0.00	0.00	0.00	1.78	2.82	0.60	-9E+99	2.04	6.42	7.17	3.59
Beals & Salt Valley	PP270	B1-161	B1-160	1155.76	1155.42	418.00	2.00	0.00	0.00	0.00	1.78	2.82	0.60	-9E+99	2.05	6.45	7.45	3.73
Beals & Salt Valley	PP271	B1-160	B1-159	1155.42	1155.09	418.00	2.00	0.00	0.00	0.00	1.77	2.82	0.60	-9E+99	2.02	6.36	7.72	3.86
Beals & Salt Valley	PP272	B1-159	B1-158	1155.09	1154.75	419.00	2.00	0.00	0.00	0.00	1.90	2.81	0.60	-9E+99	2.05	6.44	8.00	4.00
Beals & Salt Valley	PP273	B1-158	B1-308	1154.75	1154.00	88.00	2.00	0.01	0.00	0.00	4.09	2.81	0.60	-9E+99	6.65	20.88	8.74	4.37
Beals & Salt Valley	PP274	B1-308	B1-309	1142.51	1140.43	575.00	3.00	0.00	0.00	0.00	4.43	28.75	0.90	-9E+99	5.68	40.12	21.33	7.11
Beals & Salt Valley	L747	B1-309	B1-310	1140.33	1138.19	725.73	3.00	0.00	0.00	0.00	3.91	28.75	0.90	-9E+99	5.12	36.22	22.60	7.53
Beals & Salt Valley	PP277	B1-310	B1-311	1136.55	1135.76	239.00	5.00	0.00	0.00	0.00	6.99	140.56	1.51	-9E+99	7.63	149.74	24.41	4.88
Beals & Salt Valley	PP278	B1-311	B1-289	1135.76	1135.46	233.75	5.00	0.00	0.00	0.00	6.99	140.56	1.52	-9E+99	4.75	93.30	24.41	4.88
Beals & Salt Valley	PP279	B1-289	B1-290	1135.46	1135.25	709.00	5.00	0.00	0.00	0.00	4.17	83.91	1.52	-9E+99	2.28	44.82	24.11	4.82
Beals & Salt Valley	PP280	B1-290	B2-397	1135.25	1135.01	738.00	5.00	0.00	-0.50	-0.51	4.15	83.48	1.52	-9E+99	2.39	46.97	23.62	4.72
Beals & Salt Valley	PP281	B2-397	B2-398	1135.01	1134.84	700.00	5.00	0.00	-0.95	-2.06	4.16	83.48	1.52	-9E+99	2.07	40.59	23.14	4.63
Beals & Salt Valley	PP282	B2-398	B2-399	1134.84	1134.64	651.00	5.00	0.00	-1.09	-3.04	4.16	83.48	1.52	-9E+99	2.32	45.65	22.62	4.52
Beals & Salt Valley	PP283	B2-399	B2-400	1134.64	1134.37	660.00	5.00	0.00	-1.21	-4.07	4.16	83.48	1.52	-9E+99	2.68	52.68	22.18	4.44
Beals & Salt Valley	PP284	B2-400	B2-401	1134.37	1134.17	717.00	5.00	0.00	-1.47	-5.58	4.16	83.48	1.52	-9E+99	2.22	43.50	21.81	4.36
Beals & Salt Valley	PP285	B2-401	B2-402	1134.17	1133.86	726.00	5.00	0.00	-1.68	-7.57	4.17	83.48	1.52	-9E+99	2.74	53.82	21.34	4.27
Beals & Salt Valley	PP286	B2-402	B2-403	1133.86	1133.51	1054.00	5.00	0.00	-2.13	-12.72	4.17	83.48	1.52	-9E+99	2.42	47.46	20.98	4.20
Beals & Salt Valley	PP287	B2-403	B3-678	1133.51	1133.29	1051.00	5.00	0.00	0.00	0.00	6.15	123.03	1.52	-9E+99	1.92	37.68	20.34	4.07
Beals & Salt Valley	PP288	B3-678	B3-679	1133.29	1133.24	575.00	5.00	0.00	0.00	0.00	6.16	123.03	1.52	-9E+99	1.24	24.29	18.38	3.68
Beals & Salt Valley	PP289	B3-679	B3-681	1133.24	1133.22	217.00	5.00	0.00	0.00	0.00	5.67	113.06	1.52	-9E+99	1.27	25.00	17.31	3.46
Beals & Salt Valley	PP290	B3-533	B3-532	1160.55	1156.85	375.50	1.50	0.01	0.00	0.00	5.19	3.59	0.33	-9E+99	5.90	10.43	0.75	0.50
Beals & Salt Valley	PP291	B3-532	B3-531	1156.85	1155.05	390.00	1.50	0.00	0.00	0.00	4.03	3.59	0.38	-9E+99	4.04	7.14	0.77	0.51
Beals & Salt Valley	PP292	B3-531	B3-530	1155.05	1154.20	185.42	1.50	0.00	0.00	0.00	3.99	3.59	0.38	-9E+99	4.02	7.11	0.77	0.51
Beals & Salt Valley	PP293	B3-530	B3-529	1154.20	1152.69	238.08	1.50	0.01	0.00	0.00	4.49	3.59	0.36	-9E+99	4.73	8.37	0.76	0.50
Beals & Salt Valley	PP294	B3-529	B3-528	1152.69	1151.55	246.00	1.50	0.00	0.00	0.00	3.95	3.59	0.38	-9E+99	4.05	7.15	0.86	0.57
Beals & Salt Valley	PP295	B3-528	B3-527	1151.55	1149.73	398.84	1.50	0.00	0.00	0.00	3.79	3.59	0.37	-9E+99	4.02	7.10	0.86	0.57
Beals & Salt Valley	PP296	B3-527	B3-526	1149.73	1113.80	24.00	1.50	1.50	0.00	0.00	17.17	3.59	0.11	-9E+99	72.73	128.53	18.10	12.06
Beals & Salt Valley	PP297	B3-526	B3-525	1113.80	1147.23	420.00	1.50	-0.08	0.00	0.00	9.09	-5.23	0.26	-9E+99	16.77	29.64	33.87	22.58
Beals & Salt Valley	PP298	B3-525	B3-500	1147.23	1146.25	212.51	1.50	0.00	-3.18	-5.23	-3.18	-5.23	0.42	-9E+99	4.04	7.13	2.95	1.97
Beals & Salt Valley	PP299	B3-500	B3-541	1146.25	1145.07	452.00	2.00	0.00	-1.65	-5.23	-1.65	-5.23	0.58	-9E+99	3.68	11.56	4.37	2.19
Beals & Salt Valley	PP300	B3-541	B3-422	1145.07	1144.47	400.00	2.00	0.00	-1.65	-5.23	-1.65	-5.23	0.60	-9E+99	2.79	8.76	5.18	2.59
Beals & Salt Valley	PP301	B3-422	B3-374	1144.47	1143.96	400.00	2.00	0.00	-1.65	-5.23	-1.65	-5.23	0.60	-9E+99	2.57	8.08	5.90	2.95
Beals & Salt Valley	PP302	B3-374	B3-316	1143.96	1143.49	249.63	2.00	0.00	-1.64	-5.23	-1.64	-5.23	0.60	-9E+99	3.12	9.82	6.50	3.25
Beals & Salt Valley	PP303	B3-316	B3-681	1143.49	1133.22	329.27	2.00	0.03	-1.60	-5.23	-1.60	-5.23	0.51	-9E+99	12.72	39.95	16.94	8.47
Beals & Salt Valley	PP304	B3-681	B3-682	1133.22	1132.99	932.00	5.00	0.00	0.00	0.00	5.41	107.83	1.52	-9E+99	2.08	40.91	16.94	3.39

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP305	B3-682	B3-683	1132.99	1132.85	632.00	5.00	0.00	0.00	0.00	5.28	104.87	1.52	-9E+99	1.97	38.76	15.62	3.12
Beals & Salt Valley	PP306	B3-683	B3-675	1132.85	1132.60	632.00	5.00	0.00	0.00	0.00	5.28	104.67	1.52	-9E+99	2.64	51.80	14.80	2.96
Beals & Salt Valley	PP307	B3-675	B3-676	1132.60	1131.60	1113.00	5.00	0.00	0.00	0.00	5.30	105.00	1.52	-9E+99	3.98	78.07	14.09	2.82
Beals & Salt Valley	PP308	B3-676	B4-736	1131.60	1130.69	1010.00	5.00	0.00	0.00	0.00	5.29	104.76	1.52	-9E+99	3.98	78.18	13.40	2.68
Beals & Salt Valley	PP309	B4-736	B4-738	1130.69	1129.96	816.00	5.00	0.00	0.00	0.00	5.49	108.65	1.52	-9E+99	3.97	77.90	12.78	2.56
Beals & Salt Valley	PP310	B4-738	B4-739	1129.96	1129.22	824.00	5.00	0.00	0.00	0.00	5.69	112.44	1.52	-9E+99	3.97	78.05	12.21	2.44
Beals & Salt Valley	PP311	B4-678	B4-171	1140.20	1139.88	150.00	1.50	0.00	0.02	0.00	0.02	-0.01	0.38	-9E+99	2.75	4.85	0.80	0.54
Beals & Salt Valley	PP312	B4-171	B4-243	1139.88	1139.65	400.00	1.50	0.00	0.04	0.02	0.04	0.03	0.44	-9E+99	1.43	2.52	1.03	0.69
Beals & Salt Valley	PP313	B4-243	B4-XX1	1139.65	1139.54	920.00	1.50	0.00	0.07	0.07	0.08	-0.12	0.45	-9E+99	0.65	1.15	1.14	0.76
Beals & Salt Valley	PP314	B4-XX1	B4-739	1139.54	1129.22	41.00	1.50	0.25	-1.09	-1.92	-1.09	-3.01	0.38	-9E+99	29.82	52.70	11.53	7.69
Beals & Salt Valley	PP315	B4-XX1	B4-XX2	1139.54	1139.51	49.00	1.50	0.00	0.00	0.00	2.09	2.99	0.45	-9E+99	1.47	2.60	1.14	0.76
Beals & Salt Valley	PP316	B4-XX2	B4-257	1139.51	1139.29	178.00	1.50	0.00	0.00	0.00	2.11	2.99	0.45	-9E+99	2.09	3.69	1.18	0.79
Beals & Salt Valley	PP317	B4-257	B4-321	1139.29	1138.91	400.00	1.50	0.00	0.00	0.00	2.01	2.99	0.46	-9E+99	1.83	3.24	1.21	0.81
Beals & Salt Valley	PP318	B4-321	B4-329	1138.91	1138.43	519.00	1.50	0.00	0.00	0.00	1.95	2.98	0.46	-9E+99	1.81	3.19	1.27	0.85
Beals & Salt Valley	PP319	B4-329	B4-13	1138.43	1137.21	1380.50	1.50	0.00	0.00	0.00	2.00	2.98	0.44	-9E+99	1.77	3.12	1.27	0.85
Beals & Salt Valley	PP320	B5-479	B5-478	1134.41	1136.56	550.00	2.50	0.00	0.00	-0.01	0.00	-0.48	0.62	-9E+99	5.22	25.65	3.31	1.33
Beals & Salt Valley	PP321	B5-478	B5-477	1136.56	1136.14	175.00	2.50	0.00	0.01	0.03	0.01	-0.49	0.70	-9E+99	4.09	20.09	1.58	0.63
Beals & Salt Valley	PP322	B5-477	B5-476	1136.14	1136.90	388.00	2.50	0.00	-0.02	-0.04	0.02	-0.51	0.69	-9E+99	3.70	18.15	1.58	0.63
Beals & Salt Valley	PP323	B5-476	B5-677	1136.90	1136.98	300.77	2.50	0.00	-0.05	-0.06	0.05	-0.58	0.46	-9E+99	1.36	6.69	0.82	0.33
Beals & Salt Valley	PP324	B5-677	B5-676	1136.98	1137.05	50.00	2.50	0.00	-0.07	-0.07	0.07	-0.59	0.42	-9E+99	3.13	15.35	0.74	0.30
Beals & Salt Valley	PP325	B5-676	B4-13	1137.05	1137.21	108.50	2.50	0.00	-0.10	-0.08	0.10	-0.60	0.38	-9E+99	3.21	15.75	0.67	0.27
Beals & Salt Valley	PP326	B4-510	B4-511	1154.63	1153.90	225.00	1.67	0.00	0.00	0.00	3.23	3.09	0.49	-9E+99	3.64	7.97	14.55	8.71
Beals & Salt Valley	PP327	B4-511	B4-693	1153.90	1153.40	322.00	1.67	0.00	0.00	0.00	2.48	2.42	0.50	-9E+99	2.52	5.51	15.01	8.99
Beals & Salt Valley	PP328	B4-693	B4-512	1153.40	1153.08	65.00	1.67	0.00	-0.10	-0.23	3.71	2.43	0.50	-9E+99	4.48	9.81	15.32	9.17
Beals & Salt Valley	PP329	B4-512	B4-513	1153.08	1151.90	240.00	1.67	0.00	-0.22	-0.48	3.69	2.47	0.50	-9E+99	4.48	9.81	16.47	9.86
Beals & Salt Valley	PP330	B4-513	B4-473	1151.90	1150.89	324.00	1.67	0.00	-0.05	-0.10	3.05	2.41	0.49	-9E+99	3.57	7.81	17.44	10.44
Beals & Salt Valley	PP331	B4-473	B4-474	1150.89	1150.84	76.00	1.67	0.00	-0.03	-0.08	1.37	2.34	0.51	-9E+99	1.64	3.59	17.48	10.47
Beals & Salt Valley	PP332	B4-474	B4-503	1150.84	1179.30	404.00	1.67	-0.07	0.00	0.00	0.00	0.00	0.05	-9E+99	16.95	37.12	28.46	0.00
Beals & Salt Valley	PP333	B4-503	B4-640	1179.30	1142.04	457.00	1.75	0.08	0.00	0.00	0.00	0.00	0.00	-9E+99	18.81	45.24	0.00	0.00
Beals & Salt Valley	PP334	B4-640	B4-641	1142.04	1141.98	21.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.85	12.09	0.00	0.00
Beals & Salt Valley	PP335	B4-641	B4-639	1141.98	1139.63	360.00	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.82	18.28	0.00	0.00
Beals & Salt Valley	PP336	B4-639	B4-696	1139.63	1139.85	168.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.61	8.19	0.00	0.00
Beals & Salt Valley	PP337	B4-696	B4-638	1139.85	1138.43	209.00	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	5.94	18.65	0.00	0.00
Beals & Salt Valley	PP338	B4-638	B4-637	1138.43	1137.48	297.00	2.00	0.00	0.00	0.00	0.00	0.00	0.02	-9E+99	4.07	12.79	0.24	0.00
Beals & Salt Valley	PP339	B4-637	B4-658	1137.48	1136.75	258.00	2.00	0.00	-0.01	0.01	0.03	-0.01	0.46	-9E+99	3.83	12.03	0.97	0.49
Beals & Salt Valley	PP340	B4-658	B4-14	1136.75	1136.58	50.00	2.00	0.00	0.01	0.01	0.01	-0.13	0.54	-9E+99	4.20	13.19	1.14	0.57
Beals & Salt Valley	PP341	B4-14	B4-13	1136.58	1137.21	54.00	2.00	-0.01	-0.01	-0.02	0.01	-0.18	0.52	-9E+99	7.78	24.43	1.14	0.57
Beals & Salt Valley	PP342	B4-13	B4-710	1137.21	1133.66	381.00	2.00	0.01	0.00	0.00	3.37	2.99	0.32	-9E+99	6.95	21.84	3.40	1.70
Beals & Salt Valley	PP343	B4-710	B4-18	1133.66	1135.31	62.00	4.00	-0.03	-0.24	-2.29	0.28	2.99	1.26	-9E+99	18.65	234.33	3.40	0.85
Beals & Salt Valley	PP344	B4-20	B4-19	1139.23	1139.01	82.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.41	8.21	0.00	0.00
Beals & Salt Valley	PP345	B4-19	B4-18	1139.01	1135.31	45.00	1.75	0.08	0.00	0.00	0.00	0.00	0.06	-9E+99	18.89	45.43	1.75	0.00
Beals & Salt Valley	PP346	B3-490	B3-493	1139.47	1138.70	671.53	3.50	0.00	0.00	0.00	3.08	29.50	1.09	-9E+99	3.54	34.07	4.27	1.22
Beals & Salt Valley	PP347	B3-493	B3-496	1138.70	1138.86	532.47	3.50	0.00	-2.70	-24.80	3.02	29.84	1.06	-9E+99	1.81	17.44	4.11	1.18
Beals & Salt Valley	PP348	B3-496	B3-498	1138.86	1138.37	525.00	3.50	0.00	0.00	0.00	3.21	29.91	1.10	-9E+99	3.19	30.74	3.73	1.07
Beals & Salt Valley	PP349	B3-498	B4-60	1138.37	1136.96	518.00	3.50	0.00	0.00	0.00	3.08	30.38	1.07	-9E+99	5.46	52.49	4.80	1.37

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP350	B4-60	B4-717	1136.96	1136.85	586.00	3.67	0.00	-0.04	-0.23	2.87	30.52	1.12	-9E+99	1.48	15.64	4.80	1.31
UNK	PP351	B4-717	B4-108	1136.85	1136.53	186.55	3.67	0.00	-0.45	-0.95	2.95	32.31	1.12	-9E+99	4.47	47.29	5.09	1.39
Beals & Salt Valley	PP352	B4-108	B4-718	1136.53	1136.38	384.00	3.67	0.00	-0.66	-1.52	2.92	31.59	1.12	-9E+99	2.13	22.57	5.10	1.39
UNK	PP353	B4-718	B4-179	1136.38	1136.22	186.00	3.67	0.00	-0.74	-2.07	3.06	33.52	1.12	-9E+99	3.17	33.49	5.20	1.42
Beals & Salt Valley	PP354	A4-172	B4-178	1140.38	1139.32	420.00	1.50	0.00	0.00	0.00	3.05	2.92	0.44	-9E+99	2.99	5.28	1.76	1.17
Beals & Salt Valley	PP355	B4-178	B4-179	1139.32	1136.22	425.00	1.50	0.01	0.00	0.00	3.93	3.13	0.45	-9E+99	5.08	8.97	5.20	3.46
Beals & Salt Valley	PP356	B4-179	B4-181	1136.22	1136.09	236.00	3.67	0.00	0.00	0.00	3.30	36.08	1.12	-9E+99	2.53	26.80	5.20	1.42
Beals & Salt Valley	PP357	B4-181	B4-609	1136.09	1138.80	166.00	3.67	-0.02	-2.82	-29.13	3.46	35.36	1.03	-9E+99	13.79	145.88	4.27	1.17
Beals & Salt Valley	PP358	B4-609	B4-173	1138.80	1135.80	227.00	3.67	0.01	0.00	0.00	7.66	34.31	0.83	-9E+99	12.41	131.26	3.97	1.08
Beals & Salt Valley	PP359	B4-173	B4-719	1135.80	1135.55	559.00	3.67	0.00	0.00	0.00	3.37	33.69	1.18	-9E+99	2.28	24.15	3.97	1.08
UNK	PP360	B4-719	B4-253	1135.55	1135.43	155.00	3.67	0.00	0.00	0.00	3.67	33.65	1.18	-9E+99	3.00	31.77	3.76	1.03
Beals & Salt Valley	PP361	B4-253	B4-254	1135.43	1134.63	65.00	3.67	0.01	0.00	0.00	3.68	33.63	1.15	-9E+99	11.97	126.66	4.52	1.23
Beals & Salt Valley	PP362	B4-254	B4-323	1134.63	1135.09	400.00	3.67	0.00	-2.82	-29.60	3.09	33.58	1.11	-9E+99	3.66	38.72	4.19	1.14
Beals & Salt Valley	PP363	B4-323	B4-326	1135.09	1134.80	410.00	3.67	0.00	0.00	0.00	3.43	33.53	1.18	-9E+99	2.87	30.37	3.73	1.02
Beals & Salt Valley	PP364	B4-326	B4-390	1134.80	1134.39	587.00	3.67	0.00	0.00	0.00	3.47	33.44	1.18	-9E+99	2.85	30.17	3.68	1.00
Beals & Salt Valley	PP365	B4-390	B4-395	1134.39	1133.06	551.00	3.67	0.00	0.00	0.00	3.59	33.39	1.15	-9E+99	5.30	56.09	4.52	1.23
Beals & Salt Valley	PP366	B4-395	B4-742	1133.06	1133.40	107.00	3.67	0.00	-2.74	-30.06	3.25	33.98	1.11	-9E+99	6.08	64.36	4.43	1.21
Beals & Salt Valley	PP367	B4-742	B4-397	1133.40	1133.80	130.00	3.67	0.00	-2.47	-25.79	3.01	33.10	1.11	-9E+99	5.99	63.33	4.00	1.09
Beals & Salt Valley	L772	B4-742	B4-743	1133.40	1127.02	33.00	3.00	0.19	0.59	4.28	6.86	26.34	0.90	-9E+99	41.49	293.27	10.47	3.49
Beals & Salt Valley	PP368	B4-397	B4-22	1133.80	1133.56	340.00	3.67	0.00	-0.51	-2.10	3.16	33.10	1.17	-9E+99	2.87	30.33	3.60	0.98
Beals & Salt Valley	PP369	B4-22	B4-18	1133.56	1135.31	62.00	3.67	-0.03	-2.84	-26.27	3.40	33.60	1.11	-9E+99	18.13	191.82	3.50	0.95
Beals & Salt Valley	PP370	B4-18	B4-589	1135.31	1133.38	168.00	3.67	0.01	0.00	0.00	6.90	36.41	0.90	-9E+99	11.57	122.37	3.60	0.98
Beals & Salt Valley	PP371	B4-589	B4-492	1133.38	1133.33	65.00	3.67	0.00	0.00	0.00	3.57	36.39	1.16	-9E+99	2.99	31.67	3.60	0.98
Beals & Salt Valley	PP372	B4-492	B5-57	1133.33	1132.86	603.00	3.67	0.00	0.00	0.00	3.56	36.36	1.16	-9E+99	3.01	31.88	3.58	0.98
Beals & Salt Valley	PP373	B5-57	B5-121	1132.86	1132.52	444.00	4.00	0.00	0.00	0.00	3.31	36.35	1.26	-9E+99	3.16	39.75	3.58	0.90
Beals & Salt Valley	PP374	B5-121	B5-122	1132.52	1132.18	427.00	4.00	0.00	-0.26	-0.16	3.23	36.35	1.28	-9E+99	3.23	40.53	3.68	0.92
Beals & Salt Valley	PP375	B5-512	B5-49	1139.92	1139.70	190.00	1.67	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.17	4.76	0.00	0.00
Beals & Salt Valley	PP376	B5-49	B5-554	1139.70	1139.32	266.00	1.67	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.41	5.29	0.00	0.00
Beals & Salt Valley	PP377	B5-554	B5-61	1139.32	1139.32	256.00	1.67	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.20	0.44	0.00	0.00
Beals & Salt Valley	PP378	B5-61	B5-62	1139.32	1136.42	60.00	1.67	0.05	0.00	0.00	0.00	0.00	0.00	-9E+99	14.04	30.75	0.00	0.00
Beals & Salt Valley	PP379	B5-62	B5-503	1136.42	1136.83	225.00	1.67	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.73	5.97	0.00	0.00
Beals & Salt Valley	PP380	B5-503	B5-480	1136.83	1136.83	285.00	1.25	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.17	0.20	0.00	0.00
Beals & Salt Valley	PP381	B5-480	B5-535	1136.83	1135.63	221.00	1.25	0.01	0.00	0.00	0.00	0.00	0.02	-9E+99	3.88	4.76	0.23	0.00
Beals & Salt Valley	PP382	B5-535	B5-122	1135.63	1132.18	353.00	1.75	0.01	0.00	0.00	0.09	-0.04	0.41	-9E+99	6.51	15.66	3.68	2.11
Beals & Salt Valley	PP383	B5-122	B5-X40	1132.18	1131.40	582.00	4.00	0.00	-0.35	-0.94	3.07	36.35	1.30	-9E+99	4.18	52.59	4.13	1.03
Beals & Salt Valley	PP384	B5-X40	B5-160	1131.40	1130.93	670.00	4.00	0.00	-0.21	-0.97	2.86	36.37	1.34	-9E+99	3.03	38.04	4.19	1.05
Beals & Salt Valley	PP385	B5-160	B5-601	1130.93	1130.53	153.00	4.00	0.00	-0.09	-0.56	2.91	37.45	1.30	-9E+99	5.84	73.45	4.50	1.12
Beals & Salt Valley	PP386	B5-601	B5-548	1130.53	1131.20	102.00	4.00	-0.01	-2.78	-34.07	3.03	36.34	1.21	-9E+99	9.26	116.42	4.44	1.11
Beals & Salt Valley	PP387	B5-601	B5-602	1130.53	1125.80	445.00	3.50	0.01	-0.35	-3.39	3.21	-12.13	0.89	-9E+99	10.78	103.73	9.24	2.64
Beals & Salt Valley	PP388	B5-548	B5-274	1131.20	1130.68	413.00	4.00	0.00	0.00	0.00	3.68	35.95	1.34	-9E+99	4.06	50.97	4.07	1.02
Beals & Salt Valley	PP389	B5-274	B5-596	1130.68	1130.38	71.00	4.00	0.00	0.00	0.00	3.37	35.84	1.32	-9E+99	7.43	93.37	4.33	1.08
Beals & Salt Valley	PP390	B5-596	B5-597	1130.38	1130.18	363.00	4.00	0.00	0.00	0.00	3.09	35.69	1.25	-9E+99	2.68	33.72	4.33	1.08
Beals & Salt Valley	PP391	B5-597	B5-275	1130.18	1129.94	442.00	4.00	0.00	0.00	0.00	3.08	35.54	1.24	-9E+99	2.66	33.47	4.33	1.08
Beals & Salt Valley	PP392	B5-275	B5-327	1129.94	1129.90	667.00	4.00	0.00	0.00	0.00	3.10	35.37	1.25	-9E+99	0.89	11.12	4.33	1.08
Beals & Salt Valley	PP393	B5-327	B5-565	1129.90	1129.84	73.00	4.00	0.00	0.00	0.00	3.52	35.33	1.33	-9E+99	3.28	41.18	4.00	1.00

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP394	B5-565	B5-329	1129.84	1129.74	169.00	4.00	0.00	0.00	0.00	3.51	35.32	1.32	-9E+99	2.78	34.94	4.00	1.00
Beals & Salt Valley	PP395	B5-329	B5-328	1129.74	1129.70	71.00	4.00	0.00	0.00	0.00	3.56	35.31	1.32	-9E+99	2.71	34.09	4.00	1.00
Beals & Salt Valley	PP396	B5-328	B5-362	1129.70	1129.49	362.00	4.00	0.00	0.00	0.00	3.60	35.29	1.32	-9E+99	2.75	34.60	4.00	1.00
Beals & Salt Valley	PP397	B5-362	B5-361	1129.49	1129.14	125.00	4.00	0.00	0.00	0.00	3.77	35.27	1.31	-9E+99	6.05	76.01	4.28	1.07
Beals & Salt Valley	PP398	B5-361	B6-357	1129.14	1128.62	673.00	4.00	0.00	0.00	0.00	3.28	35.24	1.22	-9E+99	3.18	39.93	4.43	1.11
Beals & Salt Valley	PP399	B6-357	B6-30	1128.62	1128.09	644.00	4.00	0.00	0.00	0.00	3.12	35.32	1.22	-9E+99	3.28	41.21	4.61	1.15
Beals & Salt Valley	PP400	B6-30	B6-31	1128.09	1127.59	643.00	4.00	0.00	0.00	0.00	2.95	35.99	1.22	-9E+99	3.19	40.06	4.79	1.20
Beals & Salt Valley	PP401	B6-31	B6-32	1127.59	1127.09	629.00	4.00	0.00	0.00	0.00	2.79	36.63	1.22	-9E+99	3.22	40.50	5.10	1.27
Beals & Salt Valley	PP402	B6-32	B6-243	1127.09	1126.84	331.00	4.00	0.00	0.00	0.00	3.11	40.41	1.22	-9E+99	3.14	39.48	5.93	1.48
Beals & Salt Valley	PP403	B6-243	B6-33	1126.84	1126.63	275.00	4.00	0.00	-0.02	-0.06	3.17	41.40	1.22	-9E+99	3.16	39.69	5.93	1.48
Beals & Salt Valley	PP404	B6-33	B6-371	1126.63	1125.85	577.50	4.00	0.00	-0.07	-0.36	3.07	39.68	1.21	-9E+99	4.20	52.79	6.05	1.51
Beals & Salt Valley	PP405	B5-639	B6-392	1129.70	1128.56	570.55	3.00	0.00	0.00	0.00	2.11	4.18	0.79	-9E+99	4.22	29.81	2.74	0.91
Beals & Salt Valley	PP406	B6-392	B6-394	1128.56	1128.38	89.00	3.00	0.00	-0.07	-0.01	2.00	5.98	0.91	-9E+99	4.24	30.00	3.01	1.00
Beals & Salt Valley	PP407	B6-394	B6-395	1128.38	1128.01	181.00	3.00	0.00	0.00	0.00	2.18	5.10	0.91	-9E+99	4.27	30.16	3.35	1.12
Beals & Salt Valley	PP408	B6-395	B6-34	1128.01	1125.84	449.00	3.00	0.00	0.00	0.00	2.65	5.50	0.90	-9E+99	6.56	46.37	6.22	2.07
Beals & Salt Valley	PP409	B6-34	B6-371	1125.84	1125.85	72.50	3.00	0.00	-0.26	-1.85	1.66	5.31	0.91	-9E+99	1.11	7.83	6.21	2.07
Beals & Salt Valley	PP410	B6-371	B6-72	1125.85	1125.48	481.33	4.50	0.00	0.00	0.00	2.81	46.60	1.37	-9E+99	3.43	54.52	6.38	1.42
Beals & Salt Valley	PP411	B6-72	B6-373	1125.48	1123.00	500.00	4.50	0.00	-0.04	-0.56	2.80	43.69	1.34	-9E+99	8.71	138.49	7.94	1.76
Beals & Salt Valley	PP412	B4-741	B4-743	1128.29	1127.02	1146.00	5.00	0.00	-0.70	-3.37	5.72	112.80	1.52	-9E+99	4.42	86.70	11.08	2.22
Beals & Salt Valley	PP413	B4-743	B5-614	1127.02	1126.74	945.00	6.50	0.00	0.00	0.00	4.50	150.16	2.07	-9E+99	2.72	90.25	10.47	1.61
Beals & Salt Valley	PP414	B5-614	B5-616	1126.74	1126.61	380.00	6.50	0.00	0.00	0.00	4.73	160.90	2.07	-9E+99	2.92	96.97	10.18	1.57
Beals & Salt Valley	PP415	B5-616	B5-617	1126.61	1126.41	757.00	6.50	0.00	0.00	0.00	4.50	153.12	2.07	-9E+99	2.57	85.22	10.08	1.55
Beals & Salt Valley	PP416	B5-617	B5-618	1126.41	1126.10	820.00	6.50	0.00	0.00	0.00	4.39	147.11	2.07	-9E+99	3.07	101.94	9.81	1.51
Beals & Salt Valley	PP417	B5-618	B5-619	1126.10	1125.93	538.00	6.50	0.00	0.00	0.00	4.40	147.09	2.07	-9E+99	2.81	93.20	9.61	1.48
Beals & Salt Valley	PP418	B5-619	B5-602	1125.93	1125.80	520.00	6.50	0.00	-0.19	-0.06	4.49	150.55	2.07	-9E+99	2.50	82.90	9.44	1.45
Beals & Salt Valley	PP419	B5-602	B5-603	1125.80	1125.54	851.00	6.50	0.00	0.00	0.00	4.04	136.59	2.07	-9E+99	2.76	91.64	9.24	1.42
Beals & Salt Valley	PP420	B5-603	B5-604	1125.54	1125.13	783.00	6.50	0.00	0.00	0.00	4.08	137.09	2.07	-9E+99	3.62	119.97	8.95	1.38
Beals & Salt Valley	PP421	B5-604	B5-605	1125.13	1124.87	765.00	6.50	0.00	0.00	0.00	4.04	135.36	2.07	-9E+99	2.91	96.65	8.85	1.36
Beals & Salt Valley	PP422	B5-605	B6-384	1124.87	1124.73	626.00	6.50	0.00	0.00	0.00	4.10	135.16	2.07	-9E+99	2.36	78.40	8.61	1.33
Beals & Salt Valley	PP423	B6-384	B6-385	1124.73	1124.54	800.00	6.50	0.00	0.00	0.00	4.21	134.77	2.07	-9E+99	2.43	80.80	8.34	1.28
Beals & Salt Valley	PP424	B6-385	B6-386	1124.54	1124.34	850.00	6.50	0.00	0.00	0.00	4.40	134.94	2.07	-9E+99	2.42	80.42	8.00	1.23
Beals & Salt Valley	PP425	B6-386	B6-387	1124.34	1124.07	571.00	6.50	0.00	0.00	0.00	4.70	134.86	2.07	-9E+99	3.44	114.01	7.68	1.18
Beals & Salt Valley	PP426	B6-387	B6-388	1124.07	1123.86	428.00	6.50	0.00	0.00	0.00	4.85	135.36	2.07	-9E+99	3.50	116.13	7.62	1.17
Beals & Salt Valley	PP427	B6-388	B6-389	1123.86	1123.61	710.00	6.50	0.00	0.00	0.00	5.18	134.78	2.07	-9E+99	2.96	98.38	7.57	1.17
Beals & Salt Valley	PP428	B6-389	B6-373	1123.61	1123.00	140.00	6.00	0.00	0.00	0.00	7.28	137.28	1.84	-9E+99	9.89	279.55	7.94	1.32
Beals & Salt Valley	1726.1	B6-373	N751	1123.00	1110.10	95.56	4.00	0.13	-0.27	-3.15	9.55	121.01	1.20	-9E+99	42.00	527.77	20.22	5.06
Beals & Salt Valley	1726.2	B6-373	N751	1123.00	1110.10	95.56	2.50	0.13	-0.58	-2.95	6.99	34.90	0.75	-9E+99	30.70	150.70	20.22	8.09
Beals & Salt Valley	1726.3	B6-373	N751	1123.00	1110.10	95.56	2.00	0.13	-2.52	-8.06	6.03	19.36	0.58	-9E+99	26.46	83.12	20.22	10.11
Beals & Salt Valley	PP430	B6-374	B6-375	1123.00	1121.08	334.00	6.50	0.01	-1.11	-10.11	6.77	174.93	2.69	-9E+99	11.98	397.50	6.91	1.06
Beals & Salt Valley	PP431	B6-375	B6-376	1121.08	1120.95	703.00	6.50	0.00	-2.14	-14.48	5.13	174.64	2.12	-9E+99	2.15	71.29	6.91	1.06
Beals & Salt Valley	PP432	B6-376	B6-377	1120.95	1120.47	1022.00	6.50	0.00	-2.60	-26.14	5.35	174.56	2.59	-9E+99	3.42	113.62	6.28	0.97
Beals & Salt Valley	PP433	B6-377	B6-378	1120.47	1120.23	878.00	6.50	0.00	-3.69	-44.58	5.72	174.56	2.75	-9E+99	2.61	86.68	5.72	0.88
Beals & Salt Valley	PP434	B6-378	B6-91	1120.23	1120.20	317.00	6.50	0.00	-5.15	-61.50	6.55	174.56	2.73	-9E+99	1.54	51.00	4.92	0.76
Beals & Salt Valley	PP435	B6-91	WWTP	1120.20	1119.99	470.00	6.50	0.00	-4.88	-77.32	7.54	174.56	2.55	-9E+99	3.34	110.82	4.40	0.68
Beals & Salt Valley	PP436	B6-271	B6-270	1136.14	1135.43	339.50	3.00	0.00	0.00	0.00	3.97	11.07	0.66	-9E+99	4.32	30.50	1.25	0.42

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP437	B6-270	B6-269	1135.43	1134.55	419.50	3.00	0.00	0.00	0.00	3.97	11.07	0.66	-9E+99	4.32	30.55	1.26	0.42
Beals & Salt Valley	PP438	B6-269	B6-268	1134.55	1133.64	437.00	3.00	0.00	0.00	0.00	3.93	11.07	0.67	-9E+99	4.31	30.44	1.29	0.43
Beals & Salt Valley	PP439	B6-268	B6-267	1133.64	1133.00	305.00	3.00	0.00	0.00	0.00	3.76	11.07	0.68	-9E+99	4.32	30.55	1.41	0.47
Beals & Salt Valley	PP440	B6-267	B6-266	1133.00	1132.51	417.00	3.00	0.00	0.00	0.00	3.51	11.07	0.70	-9E+99	3.23	22.86	1.41	0.47
Beals & Salt Valley	PP441	B6-266	B6-265	1132.51	1130.44	220.00	3.00	0.01	0.00	0.00	4.76	11.75	0.58	-9E+99	9.15	64.70	3.02	1.01
Beals & Salt Valley	PP442	B6-326	B6-325	1133.49	1133.03	515.00	4.50	0.00	-0.03	-0.03	2.79	24.50	1.21	-9E+99	3.70	58.77	2.65	0.59
Beals & Salt Valley	PP443	B6-325	B6-324	1133.03	1133.01	515.00	4.50	0.00	-0.79	-0.69	2.55	24.50	1.30	-9E+99	0.77	12.25	2.65	0.59
Beals & Salt Valley	PP444	B6-324	B6-323	1133.01	1132.57	513.80	4.50	0.00	-0.75	-1.35	2.78	24.50	1.22	-9E+99	3.62	57.55	2.69	0.60
Beals & Salt Valley	PP445	B6-331	B6-330	1138.47	1137.96	428.80	1.50	0.00	0.00	0.00	2.99	5.30	0.46	-9E+99	2.05	3.62	2.55	1.70
Beals & Salt Valley	PP446	B6-330	B6-328	1137.96	1137.34	424.50	1.50	0.00	0.00	0.00	2.99	5.30	0.46	-9E+99	2.27	4.01	1.97	1.32
Beals & Salt Valley	PP447	B6-328	B6-327	1137.34	1136.82	358.00	1.50	0.00	0.00	0.00	3.14	5.30	0.45	-9E+99	2.27	4.00	1.54	1.03
Beals & Salt Valley	PP448	B6-327	B6-323	1136.82	1132.57	359.00	1.50	0.01	0.00	0.00	5.50	5.30	0.39	-9E+99	6.47	11.43	2.69	1.79
Beals & Salt Valley	PP449	B6-323	B6-322	1132.57	1132.11	561.70	4.50	0.00	0.00	0.00	3.37	33.47	1.31	-9E+99	3.54	56.28	2.80	0.62
Beals & Salt Valley	PP450	B6-322	B6-321	1132.11	1132.04	344.00	4.50	0.00	0.00	0.00	3.24	33.47	1.35	-9E+99	1.76	28.05	2.80	0.62
Beals & Salt Valley	PP451	B6-321	B6-320	1132.04	1131.91	75.80	4.50	0.00	0.00	0.00	3.44	33.47	1.29	-9E+99	5.12	81.44	2.73	0.61
Beals & Salt Valley	PP452	B6-320	B6-319	1131.91	1131.78	362.00	4.50	0.00	0.00	0.00	3.34	33.47	1.32	-9E+99	2.34	37.27	2.73	0.61
Beals & Salt Valley	PP453	B6-319	B6-318	1131.78	1131.67	75.80	4.50	0.00	0.00	0.00	3.49	33.47	1.27	-9E+99	4.71	74.91	2.67	0.59
Beals & Salt Valley	PP454	B6-318	B6-278	1131.67	1131.39	541.00	4.50	0.00	0.00	0.00	3.42	33.47	1.29	-9E+99	2.81	44.74	2.67	0.59
Beals & Salt Valley	PP455	B6-278	B6-279	1131.39	1131.14	446.00	4.50	0.00	-0.44	-0.29	3.62	33.47	1.23	-9E+99	2.93	46.56	2.56	0.57
Beals & Salt Valley	PP456	B6-279	B6-280	1131.14	1130.58	122.00	4.50	0.00	-0.82	-1.30	3.96	33.47	1.19	-9E+99	8.38	133.23	2.98	0.66
Beals & Salt Valley	PP457	B6-280	B6-265	1130.58	1130.44	225.00	4.50	0.00	-1.23	-2.18	3.06	34.07	1.40	-9E+99	3.08	49.05	3.02	0.67
Beals & Salt Valley	PP458	B6-265	B6-281	1130.44	1130.14	491.30	4.50	0.00	0.00	0.00	4.96	55.00	1.38	-9E+99	3.06	48.59	3.02	0.67
Beals & Salt Valley	PP459	B6-281	B6-282	1130.14	1129.73	128.00	4.50	0.00	0.00	0.00	6.15	55.00	1.19	-9E+99	7.00	111.30	2.63	0.58
Beals & Salt Valley	PP460	B6-282	B6-283	1129.73	1129.11	152.60	4.50	0.00	0.00	0.00	5.59	55.00	1.25	-9E+99	7.88	125.35	3.10	0.69
Beals & Salt Valley	PP461	B6-283	B6-284	1129.11	1128.69	426.00	4.50	0.00	0.00	0.00	4.73	55.00	1.42	-9E+99	3.88	61.75	3.10	0.69
Beals & Salt Valley	PP462	B6-284	B6-285	1128.69	1128.39	227.00	4.50	0.00	0.00	0.00	4.93	55.30	1.39	-9E+99	4.49	71.49	2.99	0.67
Beals & Salt Valley	PP463	B6-285	B6-286	1128.39	1127.39	720.00	4.50	0.00	0.00	0.00	4.91	55.30	1.39	-9E+99	4.61	73.29	3.09	0.69
Beals & Salt Valley	PP464	B6-286	B6-287	1127.39	1126.91	456.00	4.50	0.00	0.00	0.00	4.78	55.30	1.42	-9E+99	4.01	63.80	3.09	0.69
Beals & Salt Valley	PP465	B6-287	B6-288	1126.91	1126.35	522.72	4.50	0.00	0.00	0.00	4.98	55.30	1.39	-9E+99	4.05	64.37	2.99	0.66
Beals & Salt Valley	PP466	B6-288	B6-289	1126.35	1125.35	468.41	4.50	0.00	0.00	0.00	5.32	55.30	1.32	-9E+99	5.71	90.86	3.11	0.69
Beals & Salt Valley	PP467	B6-289	B6-293	1125.35	1125.14	472.07	4.50	0.00	0.00	0.00	5.04	57.74	1.42	-9E+99	2.61	41.48	3.11	0.69
Beals & Salt Valley	PP468	B6-293	B6-294	1125.14	1124.09	403.73	4.50	0.00	0.00	0.00	6.53	57.74	1.18	-9E+99	6.31	100.29	2.45	0.54
Beals & Salt Valley	PP469	B6-294	B6-2941	1124.09	1122.50	574.00	4.50	0.00	0.00	0.00	6.60	57.74	1.18	-9E+99	6.51	103.50	2.57	0.57
Beals & Salt Valley	OAK-S1	B6-2941	N1477	1122.50	1107.50	220.51	2.50	0.07	-0.92	-4.32	5.07	22.63	0.75	-9E+99	21.79	106.98	17.13	6.85
Beals & Salt Valley	OAK-S2	B6-2941	N1477	1122.50	1107.50	220.51	2.00	0.07	-1.71	-5.19	3.95	12.48	0.60	-9E+99	18.78	59.00	17.13	8.56
Beals & Salt Valley	OAK-S3	B6-2941	N1477	1122.50	1107.50	220.51	2.50	0.07	-0.92	-4.32	5.07	22.63	0.75	-9E+99	21.79	106.98	17.13	6.85
Beals & Salt Valley	PP471	B6-2942	B6-296	1121.50	1120.62	114.44	4.50	0.01	-4.79	-36.55	6.74	57.74	1.29	-9E+99	10.84	172.44	3.15	0.70
Beals & Salt Valley	PP472	B6-296	WWTP	1120.62	1119.99	447.00	4.50	0.00	-3.39	-40.56	4.84	57.74	1.51	-9E+99	4.64	73.83	3.25	0.72
Little Salt	PP473	C6-432	B6-117	1131.05	1130.80	448.50	2.50	0.00	0.00	0.00	3.99	19.70	0.76	-9E+99	1.97	9.68	5.12	2.05
Beals & Salt Valley	PP474	B6-117	B6-110	1130.80	1130.55	444.50	2.50	0.00	0.00	0.00	4.02	19.83	0.76	-9E+99	1.98	9.73	4.28	1.71
Beals & Salt Valley	PP475	B6-110	B6-106	1130.55	1130.29	463.71	2.50	0.00	0.00	0.00	4.04	19.93	0.76	-9E+99	1.98	9.71	3.88	1.55
Beals & Salt Valley	PP476	B6-106	B6-102	1130.29	1130.04	442.70	2.50	0.00	-0.17	-0.05	3.80	18.82	0.76	-9E+99	1.99	9.75	2.67	1.07
Beals & Salt Valley	PP477	B6-102	B6-103	1130.04	1129.96	126.30	2.50	0.00	-0.82	-0.27	4.56	18.66	0.76	-9E+99	2.10	10.32	1.98	0.79
Beals & Salt Valley	PP478	B6-103	B6-98	1129.96	1129.89	139.60	2.50	0.00	0.00	0.00	5.91	19.51	0.71	-9E+99	1.87	9.18	1.68	0.67
Beals & Salt Valley	PP479	B6-98	B6-100	1129.89	1123.00	240.40	2.50	0.03	0.00	0.00	10.46	19.47	0.52	-9E+99	14.15	69.44	1.99	0.79

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Beals & Salt Valley	PP480	B5-485	B6-343	1127.72	1127.28	362.72	3.50	0.00	0.00	0.00	4.37	43.93	1.06	-9E+99	3.64	35.04	4.00	1.14
Beals & Salt Valley	PP481	B6-343	B6-342	1127.28	1126.86	300.84	3.50	0.00	0.00	0.00	4.45	43.93	1.06	-9E+99	3.91	37.59	3.81	1.09
Beals & Salt Valley	PP482	B6-342	B6-341	1126.86	1126.41	355.12	3.50	0.00	-0.34	-0.29	4.52	43.94	1.06	-9E+99	3.72	35.81	3.69	1.05
Beals & Salt Valley	PP483	B6-20	B6-341	1137.32	1126.41	410.00	1.75	0.03	0.00	0.00	0.00	0.00	0.06	-9E+99	10.75	25.85	3.48	0.00
Beals & Salt Valley	PP484	B6-341	B6-340	1126.41	1125.85	439.20	3.50	0.00	0.00	0.00	4.90	46.57	1.06	-9E+99	3.73	35.93	3.48	0.99
Beals & Salt Valley	PP485	B6-340	B6-339	1125.85	1125.67	134.80	3.50	0.00	0.00	0.00	5.18	46.57	1.09	-9E+99	3.82	36.76	3.10	0.89
Beals & Salt Valley	PP486	B6-339	B6-344	1125.67	1125.55	95.00	3.50	0.00	0.00	0.00	5.31	46.57	1.10	-9E+99	3.72	35.76	3.01	0.86
Beals & Salt Valley	PP487	B6-344	B6-246	1125.55	1125.30	523.55	5.00	0.00	0.00	0.00	3.94	46.57	1.56	-9E+99	2.90	56.91	2.92	0.59
Beals & Salt Valley	PP488	B6-246	B6-66	1125.30	1124.14	641.90	5.00	0.00	0.00	0.00	4.17	46.57	1.49	-9E+99	5.64	110.72	3.40	0.68
Beals & Salt Valley	PP489	B6-66	B6-87	1124.14	1123.92	596.14	5.00	0.00	0.00	0.00	3.28	46.57	1.75	-9E+99	2.55	50.03	3.40	0.68
Beals & Salt Valley	PP490	B6-87	B6-89	1123.92	1123.67	650.00	5.00	0.00	0.00	0.00	3.39	46.57	1.72	-9E+99	2.60	51.08	3.31	0.66
Beals & Salt Valley	PP491	B6-89	B6-90	1123.67	1123.41	675.00	5.00	0.00	0.00	0.00	3.54	46.57	1.68	-9E+99	2.60	51.11	3.19	0.64
Beals & Salt Valley	PP492	B6-90	B6-94	1123.41	1123.15	775.00	5.00	0.00	0.00	0.00	3.84	46.57	1.59	-9E+99	2.43	47.70	3.01	0.60
Beals & Salt Valley	PP493	B6-94	B6-100	1123.15	1123.00	387.75	5.00	0.00	-0.74	-0.56	4.73	46.59	1.37	-9E+99	2.61	51.22	2.56	0.51
Little Salt	PP494	C6-349	B6-115	1126.03	1225.67	434.00	3.50	-0.23	0.00	0.00	0.00	0.00	0.11	-9E+99	50.11	482.07	99.64	0.00
Beals & Salt Valley	PP495	B6-115	B6-274	1225.67	1125.31	50.00	3.50	2.01	0.00	0.00	0.00	0.00	0.00	-9E+99	148.15	1425.40	0.00	0.00
Beals & Salt Valley	PP496	B6-274	B6-111	1125.31	1125.31	420.00	3.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	0.33	3.18	0.00	0.00
Beals & Salt Valley	PP497	B6-111	B6-382	1125.31	1125.00	340.00	3.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	3.16	30.38	0.00	0.00
Beals & Salt Valley	PP498	B6-382	B6-108	1125.00	1124.94	95.00	3.50	0.00	0.00	0.00	0.00	0.00	0.01	-9E+99	2.63	25.28	0.05	0.00
Beals & Salt Valley	PP499	B6-108	B6-105	1124.94	1124.58	420.00	3.50	0.00	-0.03	0.00	0.05	-0.02	0.23	-9E+99	3.06	29.46	0.41	0.12
Beals & Salt Valley	PP500	B6-105	B6-100	1124.58	1123.00	683.00	3.50	0.00	0.02	0.02	0.03	-0.09	0.87	-9E+99	5.03	48.39	1.99	0.57
Beals & Salt Valley	PP501	B6-100	WWTP	1123.00	1119.99	371.00	5.00	0.01	-0.07	-0.90	8.37	65.95	1.32	-9E+99	11.95	234.59	3.25	0.65
Beals & Salt Valley	PP502	B4-739	B4-741	1129.22	1128.29	847.00	5.00	0.00	0.00	0.00	5.73	113.20	1.52	-9E+99	4.40	86.30	11.53	2.31
Beals & Salt Valley	PP504	B3-668	B3-682	1144.55	1143.62	56.24	1.50	0.02	-2.26	-4.05	-2.26	-4.17	0.43	-9E+99	7.64	13.51	4.99	3.33
Beals & Salt Valley	PP505	B3-667	B3-490	1136.04	1139.47	672.00	3.50	-0.01	-2.49	-23.76	3.02	29.46	0.89	-9E+99	7.47	71.88	7.47	2.13
Beals & Salt Valley	PP506	C1-562	B1-272	1176.11	1173.42	432.00	1.50	0.01	0.00	0.00	4.96	6.98	0.45	-9E+99	4.69	8.29	8.35	5.57
Beals & Salt Valley	PP507	B1-272	B1-80	1173.42	1173.10	24.40	2.50	0.01	0.00	0.00	6.64	23.83	0.76	-9E+99	9.57	46.97	8.59	3.44
Beals & Salt Valley	L759	C1-565	C1-12	1212.34	1211.57	339.00	1.75	0.00	0.00	0.00	4.66	11.17	0.53	-9E+99	2.92	7.01	8.87	5.07
UNK	P10	MH-4	B2S-37	1171.66	1171.12	398.27	4.00	0.00	-0.70	-1.62	3.66	39.36	1.21	-9E+99	4.21	52.89	12.51	3.13
UNK	P9	MH-5	MH-4	1172.00	1171.66	321.55	4.00	0.00	-0.74	-0.73	3.77	39.10	1.22	-9E+99	3.72	46.71	12.26	3.06
UNK	P8	MH-6	MH-5	1172.54	1172.00	507.42	4.00	0.00	0.00	0.00	3.88	40.93	1.21	-9E+99	3.73	46.86	12.15	3.04
UNK	P7	MH-7	MH-6	1173.12	1172.54	548.50	4.00	0.00	0.00	0.00	3.95	41.60	1.21	-9E+99	3.72	46.71	11.97	2.99
UNK	P6	MH-8	MH-7	1173.70	1173.12	542.02	4.00	0.00	0.00	0.00	4.00	41.60	1.21	-9E+99	3.74	46.99	11.80	2.95
UNK	P5	MH-9	MH-8	1174.28	1173.70	518.48	4.00	0.00	0.00	0.00	4.06	41.60	1.21	-9E+99	3.82	48.04	11.63	2.91
UNK	P4	MH-10	MH-9	1174.85	1174.28	525.97	4.00	0.00	0.00	0.00	4.09	41.60	1.21	-9E+99	3.76	47.29	11.46	2.86
UNK	P3	MH-11	MH-10	1175.43	1174.85	563.92	4.00	0.00	0.00	0.00	4.06	41.60	1.22	-9E+99	3.67	46.07	11.30	2.83
UNK	P2	MH-12	MH-11	1175.99	1175.43	530.74	4.00	0.00	0.00	0.00	4.07	41.60	1.21	-9E+99	3.71	46.66	11.18	2.79
UNK	P1	SB4-57	MH-12	1176.50	1175.99	512.12	4.00	0.00	0.00	0.00	4.04	41.60	1.22	-9E+99	3.61	45.33	11.05	2.76
UNK	SWP5	SW-1	B1-7	1144.25	1143.50	500.00	5.00	0.00	0.00	0.00	5.48	97.96	1.51	-9E+99	5.14	100.87	26.52	5.30
UNK	SWP4	SW-2	SW-1	1145.68	1144.25	950.00	5.00	0.00	0.00	0.00	5.47	97.96	1.49	-9E+99	5.15	101.05	26.40	5.28
UNK	SWP3	SW-3	SW-2	1147.86	1145.68	1450.00	5.00	0.00	0.00	0.00	5.47	97.97	1.49	-9E+99	5.14	100.98	26.22	5.24
UNK	SWP2	SW-4	SW-3	1150.26	1147.86	1600.00	5.00	0.00	0.00	0.00	5.48	97.97	1.49	-9E+99	5.14	100.87	25.96	5.19
UNK	SWP1	SW-5	SW-4	1152.36	1150.26	1400.00	5.00	0.00	0.00	0.00	5.48	97.97	1.49	-9E+99	5.14	100.87	25.69	5.14
UNK	SWP8	SW-6	SW-7	1168.36	1163.26	2040.00	4.00	0.00	0.00	0.00	5.20	34.21	1.19	-9E+99	5.72	71.82	21.18	5.29
UNK	SWP7	SW-7	SW-8	1163.26	1157.81	2180.00	4.00	0.00	0.00	0.00	6.04	60.65	1.19	-9E+99	5.72	71.82	22.95	5.74

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
UNK	SWP6	SW-8	SW-5	1157.81	1153.36	1780.00	4.00	0.00	0.00	0.00	5.80	60.65	1.19	-9E+99	5.72	71.82	24.45	6.11
UNK	SWP9	SW-9	SW-5	1158.36	1152.36	2000.00	4.00	0.00	0.00	0.00	5.91	37.32	1.19	-9E+99	6.26	78.68	25.45	6.36
UNK	1727.1	N751	N752	1110.10	1110.10	243.00	4.00	0.00	-1.51	-4.31	9.34	120.40	1.22	-9E+99	0.36	4.54	20.22	5.06
UNK	1727.2	N751	N752	1110.10	1110.10	243.00	2.50	0.00	-1.47	-1.67	6.84	35.05	0.76	-9E+99	0.26	1.30	20.22	8.09
UNK	1727.3	N751	N752	1110.10	1110.10	243.00	2.00	0.00	-1.44	-1.41	5.89	19.57	0.60	-9E+99	0.23	0.72	20.22	10.11
UNK	1728.1	N752	B6-374	1110.10	1123.00	61.43	4.00	-0.21	-9.12	-117.05	9.41	120.71	1.02	-9E+99	52.38	658.25	18.07	4.52
UNK	1728.2	N752	B6-374	1110.10	1123.00	61.43	2.50	-0.21	-6.63	-33.74	6.87	34.98	0.64	-9E+99	38.29	187.96	18.07	7.23
UNK	1782.3	N752	B6-374	1110.10	1123.00	61.43	2.00	-0.21	-5.71	-18.77	5.92	19.48	0.51	-9E+99	33.00	103.67	18.07	9.04
UNK	PPL6	SB1-10	SB4-66	1200.23	1192.35	667.91	1.75	0.01	0.00	0.00	6.64	9.13	0.51	-9E+99	7.16	17.21	6.18	3.53
UNK	PPL5	SB1-11	SB1-10	1203.27	1200.23	576.43	1.75	0.01	0.00	0.00	5.31	9.14	0.51	-9E+99	4.78	11.51	1.22	0.70
UNK	PPL4	SB1-12	SB1-11	1204.91	1203.27	303.40	1.75	0.01	0.00	0.00	5.35	9.14	0.51	-9E+99	4.84	11.65	1.22	0.70
UNK	PPL2	SB1-14	SB1-13	1209.55	1206.98	487.21	1.75	0.01	0.00	0.00	5.11	7.60	0.48	-9E+99	4.78	11.51	1.04	0.59
UNK	PPL1	SB1-15	SB1-14	1210.56	1209.55	175.06	1.75	0.01	0.00	0.00	0.01	0.00	0.44	-9E+99	5.00	12.04	1.04	0.59
UNK	PPL15	SB4-58	SB4-57	1179.80	1177.99	864.38	2.50	0.00	0.00	0.00	4.29	17.83	0.75	-9E+99	3.82	18.77	9.46	3.78
UNK	PPL14	SB4-59	SB4-58	1181.39	1179.80	721.60	2.50	0.00	0.00	0.00	4.31	17.44	0.75	-9E+99	3.92	19.25	9.22	3.69
UNK	PPL13	SB4-60	SB4-59	1182.52	1181.39	500.00	2.50	0.00	0.00	0.00	4.39	17.44	0.75	-9E+99	3.97	19.50	8.88	3.55
UNK	PPL12	SB4-61	SB4-60	1183.76	1182.52	554.88	2.50	0.00	0.00	0.00	4.40	17.44	0.75	-9E+99	3.95	19.39	8.61	3.45
UNK	PPL11	SB4-62	SB4-61	1184.07	1183.76	123.54	2.50	0.00	-0.48	-0.24	4.15	15.69	0.76	-9E+99	4.19	20.55	8.34	3.34
UNK	PPL10	SB4-63	SB4-62	1184.92	1184.07	444.83	2.50	0.00	0.00	0.00	4.08	15.69	0.75	-9E+99	3.65	17.93	8.20	3.28
UNK	PPL9	SB4-64	SB4-63	1186.39	1184.92	444.83	2.25	0.00	0.00	0.00	4.77	15.05	0.67	-9E+99	4.48	17.80	7.98	3.55
UNK	PPL8	SB4-65	SB4-64	1188.45	1186.39	746.31	2.25	0.00	0.00	0.00	4.57	14.68	0.67	-9E+99	4.09	16.27	7.52	3.34
UNK	PPL7	SB4-66	SB4-65	1192.35	1188.45	843.87	2.00	0.00	0.00	0.00	5.38	13.72	0.60	-9E+99	4.90	15.38	7.08	3.54
UNK	PPL3	SB1-13	SB1-12	1206.98	1204.91	387.56	1.75	0.01	0.00	0.00	5.04	7.60	0.49	-9E+99	4.81	11.58	1.17	0.67
UNK	1780.1	B5-139-2	B5-139-3	1137.70	1125.40	29.00	2.50	0.42	-1.08	-5.44	9.66	23.84	0.75	-9E+99	54.42	267.13	16.44	6.57
UNK	1780.2	B5-139-2	B5-139-3	1138.27	1125.97	29.00	1.75	0.42	-0.99	-2.49	4.76	-7.31	0.45	-9E+99	42.90	103.19	15.87	9.07
UNK	1780.3	B5-139-2	B5-139-3	1138.00	1125.70	29.00	3.00	0.42	0.00	0.00	8.29	51.22	0.90	-9E+99	61.45	434.38	16.14	5.38
UNK	1781.1	B5-139-3	B5-139-4	1125.40	1125.40	175.00	3.00	0.00	0.00	0.00	2.58	18.76	0.91	-9E+99	0.30	2.11	16.44	5.48
UNK	1781.2	B5-139-3	B5-139-4	1125.97	1125.97	175.00	1.75	0.00	0.00	0.00	1.81	4.57	0.53	-9E+99	0.21	0.50	15.87	9.07
UNK	1781.3	B5-139-3	B5-139-4	1125.70	1125.70	175.00	3.00	0.00	0.00	0.00	2.58	18.75	0.91	-9E+99	0.30	2.11	16.14	5.38
UNK	1782.1	B5-139-4	B5-139-5	1125.40	1136.70	29.00	2.50	-0.39	-2.55	-12.87	2.75	13.95	0.64	-9E+99	52.16	256.04	16.28	6.51
UNK	1782.2	B5-139-4	B5-139-5	1125.97	1136.55	29.00	1.75	-0.36	-2.01	-5.03	2.17	5.46	0.45	-9E+99	39.79	95.71	15.71	8.98
UNK	1782.4	B5-139-4	B5-139-5	1125.70	1136.80	29.00	3.00	-0.38	-2.90	-21.01	3.11	22.54	0.77	-9E+99	58.38	412.65	15.98	5.33
UNK	L803	B5-139-5	B5-517	1136.55	1136.47	105.00	4.00	0.00	0.00	0.00	4.76	41.88	1.32	-9E+99	3.16	39.65	5.13	1.28
Middle & West O	LON6	A4-81	A4-80	1139.85	1138.90	600.00	3.00	0.00	0.00	0.00	3.61	17.98	0.90	-9E+99	3.75	26.54	8.29	2.76
Middle & West O	LON5	A4-134	A4-81	1140.20	1139.85	418.00	3.00	0.00	0.00	0.00	3.12	17.98	0.91	-9E+99	2.73	19.30	7.66	2.55
Middle & West O	LON4	A4-135	A4-134	1140.66	1140.20	420.00	3.00	0.00	0.00	0.00	3.12	17.98	0.91	-9E+99	3.12	22.07	7.56	2.52
Middle & West O	LON3	A4-136	A4-135	1141.12	1140.66	419.82	3.00	0.00	0.00	0.00	3.14	17.98	0.91	-9E+99	3.12	22.08	7.36	2.45
Middle & West O	LON2	A4-137	A4-136	1141.68	1141.12	510.18	3.00	0.00	0.00	0.00	3.16	17.99	0.91	-9E+99	3.13	22.10	7.17	2.39
Middle & West O	LON7	A4-80	A4-79	1138.90	1138.10	500.00	3.00	0.00	0.00	0.00	3.62	14.42	0.90	-9E+99	3.77	26.68	8.88	2.96
Middle & West O	LON8	A4-79	A4-78	1138.10	1137.30	500.00	3.00	0.00	0.00	0.00	3.62	14.12	0.90	-9E+99	3.77	26.68	9.48	3.16
Middle & West O	LON9	A4-78	A4-77	1137.30	1136.50	500.00	3.00	0.00	0.00	0.00	3.62	13.81	0.90	-9E+99	3.77	26.68	10.08	3.36
Middle & West O	LON10	A4-77	A4-76	1136.50	1135.70	500.00	3.00	0.00	0.00	0.00	3.62	13.81	0.90	-9E+99	3.77	26.68	10.67	3.56
Middle & West O	LON11	A4-76	A4-75	1135.70	1134.88	500.00	3.00	0.00	0.00	0.00	3.64	13.81	0.90	-9E+99	3.82	27.01	11.29	3.76
Middle & West O	LLN11	A4-65	A5-129	1126.99	1126.18	360.00	1.00	0.00	0.00	0.00	4.26	3.54	0.29	-9E+99	2.15	1.69	15.87	15.87
Middle & West O	LLN10	A4-66	A4-65	1127.88	1126.99	413.90	1.00	0.00	0.00	0.00	4.22	3.56	0.28	-9E+99	2.10	1.65	16.97	16.97

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Middle & West O	LLN9	A4-67	A4-66	1128.68	1127.88	500.10	3.00	0.00	0.00	0.00	3.12	8.60	0.89	-9E+99	3.77	26.68	16.97	5.66
Middle & West O	LLN8	A4-68	A4-67	1129.38	1128.68	436.00	3.00	0.00	0.00	0.00	3.54	10.45	0.90	-9E+99	3.78	26.73	16.19	5.40
Middle & West O	LLN7	A4-69	A4-68	1129.91	1129.38	330.00	3.00	0.00	0.00	0.00	3.58	10.90	0.90	-9E+99	3.78	26.73	15.52	5.17
Middle & West O	LLN6	A4-70	A4-69	1130.76	1129.91	534.00	3.00	0.00	0.00	0.00	3.59	12.78	0.90	-9E+99	3.76	26.61	15.07	5.02
Middle & West O	LLN5	A4-71	A4-70	1131.39	1130.76	393.00	3.00	0.00	0.00	0.00	3.61	13.75	0.90	-9E+99	3.78	26.70	14.40	4.80
Middle & West O	LLN4	A4-72	A4-71	1132.24	1131.39	528.90	3.00	0.00	0.00	0.00	3.61	13.75	0.90	-9E+99	3.78	26.74	13.92	4.64
Middle & West O	LLN3	A4-73	A4-72	1133.10	1132.24	539.70	3.00	0.00	0.00	0.00	3.61	13.75	0.90	-9E+99	3.77	26.62	13.28	4.43
Middle & West O	LLN2	A4-74	A4-73	1134.02	1133.10	574.40	3.00	0.00	0.00	0.00	3.61	13.81	0.90	-9E+99	3.78	26.69	12.63	4.21
Middle & West O	LLN1	A4-75	A4-74	1134.88	1134.02	540.00	3.00	0.00	0.00	0.00	3.61	13.81	0.90	-9E+99	3.77	26.62	11.94	3.98
Middle & West O	LON1	AA4-3	A4-137	1142.23	1141.68	508.79	3.00	0.00	0.00	0.00	3.15	17.99	0.91	-9E+99	3.10	21.93	6.96	2.32
Middle & West O	LPP90	AA4-28	AA4-29	1143.89	1143.36	652.00	3.00	0.00	0.00	0.00	2.87	17.99	0.91	-9E+99	2.69	19.02	6.63	2.21
Middle & West O	LPP81	AA4-18	AA4-20	1147.08	1146.74	420.00	3.00	0.00	0.00	0.00	3.60	18.00	0.91	-9E+99	2.68	18.98	6.24	2.08
Middle & West O	LPP82	AA4-20	AA4-21	1146.74	1146.44	380.00	3.00	0.00	0.00	0.00	3.35	18.00	0.91	-9E+99	2.65	18.74	6.27	2.09
Middle & West O	LPP83	AA4-21	AA4-22	1146.44	1146.11	409.00	3.00	0.00	0.00	0.00	3.28	18.00	0.91	-9E+99	2.68	18.95	6.31	2.10
Middle & West O	LPP84	AA4-22	AA4-23	1146.11	1145.55	700.00	3.00	0.00	0.00	0.00	3.02	17.99	0.91	-9E+99	2.67	18.87	6.38	2.13
Middle & West O	LPP85	AA4-23	AA4-24	1145.55	1145.12	541.00	3.00	0.00	0.00	0.00	2.97	17.99	0.91	-9E+99	2.66	18.80	6.42	2.14
Middle & West O	LPP86	AA4-24	AA4-25	1145.12	1144.86	327.00	3.00	0.00	0.00	0.00	2.98	17.99	0.91	-9E+99	2.66	18.81	6.45	2.15
Middle & West O	LPP87	AA4-25	AA4-26	1144.86	1144.55	380.00	3.00	0.00	0.00	0.00	2.99	17.99	0.91	-9E+99	2.70	19.05	6.49	2.16
Middle & West O	LPP88	AA4-26	AA4-27	1144.55	1144.39	200.00	3.00	0.00	0.00	0.00	3.07	17.99	0.91	-9E+99	2.67	18.87	6.51	2.17
Middle & West O	LPP89	AA4-27	AA4-28	1144.39	1143.89	635.00	3.00	0.00	0.00	0.00	2.90	17.99	0.91	-9E+99	2.65	18.72	6.56	2.19
Middle & West O	LPP91	AA4-29	AA4-30	1143.36	1143.20	206.00	3.00	0.00	0.00	0.00	2.86	17.99	0.91	-9E+99	2.63	18.59	6.64	2.21
Middle & West O	LPP92	AA4-30	AA4-31	1143.20	1142.84	650.00	3.00	0.00	0.00	0.00	2.76	17.99	0.91	-9E+99	2.22	15.70	6.64	2.21
Middle & West O	LPP95	AA4-33	AA4-3	1142.26	1142.23	11.12	3.00	0.00	0.00	0.00	3.91	17.99	0.91	-9E+99	4.90	34.64	6.77	2.26
Middle & West O	LPP93	AA4-31	AA4-32	1142.84	1142.34	444.00	3.00	0.00	0.00	0.00	3.19	17.99	0.91	-9E+99	3.17	22.38	6.73	2.24
Middle & West O	LPP94	AA4-32	AA4-33	1142.34	1142.26	83.35	3.00	0.00	0.00	0.00	3.18	17.99	0.91	-9E+99	2.92	20.66	6.75	2.25
Middle & West O	LPP80	AA4-17	AA4-18	1147.28	1147.08	50.00	3.00	0.00	0.00	0.00	5.89	18.00	0.91	-9E+99	5.97	42.18	6.20	2.07
Middle & West O	LCN12	A4-41	A4-42	1142.70	1141.49	449.40	1.75	0.00	0.00	0.00	3.11	2.90	0.38	-9E+99	3.42	8.22	0.74	0.42
Middle & West O	LCN13	A4-42	A4-43	1141.49	1140.94	213.40	1.75	0.00	0.00	0.00	3.04	2.90	0.39	-9E+99	3.34	8.04	0.81	0.46
Middle & West O	LCN14	A4-43	A4-172	1140.94	1140.38	232.30	1.75	0.00	0.00	0.00	2.93	2.90	0.42	-9E+99	3.23	7.78	1.05	0.60
Middle & West O	LCN15	A4-21	LSTA	1131.00	1142.75	49.72	1.75	-0.24	-1.14	-2.91	3.49	4.14	0.45	-9E+99	32.02	77.03	19.37	11.07
Middle & West O	LCN10	A4-20	A4-21	1131.68	1131.00	591.37	1.75	0.00	-0.51	-1.23	2.23	4.16	0.52	-9E+99	2.23	5.37	19.39	11.08
Middle & West O	LCN9	A4-19	A4-20	1131.84	1131.68	77.96	1.75	0.00	-0.50	-1.22	2.98	4.19	0.53	-9E+99	2.98	7.18	18.89	10.79
Middle & West O	LCN8	A4-18	A4-19	1132.93	1131.84	546.67	1.75	0.00	-0.41	-0.97	3.11	4.53	0.50	-9E+99	2.94	7.08	18.75	10.72
Middle & West O	LCN7	A4-17	A4-18	1134.08	1132.93	575.00	1.75	0.00	-0.46	-1.09	3.13	4.57	0.50	-9E+99	2.95	7.09	17.86	10.20
Middle & West O	LCN6	A4-16	A4-17	1135.23	1134.08	575.00	1.75	0.00	-0.31	-0.75	3.13	4.60	0.52	-9E+99	2.95	7.09	16.93	9.67
Middle & West O	LCN5	A4-15	A4-16	1136.13	1135.23	500.00	1.75	0.00	-0.09	-0.22	3.02	4.59	0.52	-9E+99	2.79	6.72	16.02	9.15
Middle & West O	LCN4	A4-14	A4-15	1137.06	1136.13	411.96	1.75	0.00	-0.10	-0.23	3.28	4.66	0.52	-9E+99	3.13	7.53	15.36	8.78
Middle & West O	LCN3	A4-13	A4-14	1138.03	1137.06	488.04	1.75	0.00	0.00	0.00	3.14	4.69	0.52	-9E+99	2.94	7.06	14.66	8.38
Middle & West O	LCN1	A4-82	A4-164	1139.70	1138.83	407.00	1.75	0.00	0.00	0.00	3.28	6.00	0.51	-9E+99	3.05	7.33	13.49	7.71
Middle & West O	1894.1	LSTA	A4-206	1142.75	1142.75	25.43	1.75	0.00	0.00	0.00	0.00	2.90	0.00	-9E+99	0.00	0.00	-9.00E+99	0.00
Middle & West O	C-9	LSTA	A4-206	1142.75	1142.75	25.43	1.75	0.00	0.00	0.00	0.00	2.90	0.00	-9E+99	0.00	0.00	-9.00E+99	0.00
Middle & West O	LCN11	A4-206	A4-41	1142.75	1142.70	1084.27	1.00	0.00	0.00	0.00	3.63	2.90	0.29	-9E+99	0.31	0.24	7.95	7.95
Middle & West O	LCN2	A4-164	A4-13	1138.83	1138.03	400.00	1.75	0.00	0.00	0.00	3.17	5.12	0.52	-9E+99	2.95	7.09	13.99	7.99
Middle & West O	LND2	B5-54	B5-56	1139.07	1137.10	407.00	1.00	0.00	0.00	0.00	3.22	1.38	0.26	-9E+99	3.16	2.48	0.60	0.60
Middle & West O	LND1	B5-52	B5-54	1140.30	1139.07	416.00	1.00	0.00	0.00	0.00	2.61	1.35	0.28	-9E+99	2.47	1.94	0.64	0.64

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Middle & West O	LND4	B5-56	B5-615	1137.10	1134.78	407.00	1.00	0.01	0.00	0.00	3.42	1.36	0.27	-9E+99	3.42	2.69	1.94	1.94
Middle & West O	LND3	B5-615	B5-616	1134.78	1126.61	20.00	1.00	0.41	-1.50	-1.23	10.74	3.49	0.30	-9E+99	28.99	22.77	10.08	10.08
Middle & West O	LST2	A5-43	B5-52	1142.23	1140.30	470.00	1.00	0.00	0.00	0.00	3.05	1.42	0.27	-9E+99	2.91	2.28	0.64	0.64
Middle & West O	LST1	A5-42	A5-43	1142.42	1142.23	57.00	1.00	0.00	0.00	0.00	2.99	1.34	0.27	-9E+99	2.62	2.06	0.60	0.60
Middle & West O	3180.1	LSTA2	N1474	0.05	0.00	10.00	0.05	0.01	0.00	0.00	0.00	2.69	0.00	-9E+99	0.00	0.00	-9.00E+99	0.00
Middle & West O	C-8	LSTA2	N1474	0.05	0.00	10.00	0.05	0.01	0.00	0.00	0.00	2.69	0.00	-9E+99	0.00	0.00	-9.00E+99	0.00
Middle & West O	LST5	A5-141	LSTA2	1125.43	1125.00	79.20	1.00	0.01	0.00	0.00	4.34	3.51	0.30	-9E+99	3.34	2.63	14.05	14.05
Middle & West O	LST4	A5-129	A5-141	1126.18	1125.43	340.00	1.00	0.00	0.00	0.00	4.30	3.52	0.30	-9E+99	2.13	1.67	14.93	14.93
Oak Creek	LIN58	BB7-27	BB7-2	1173.22	1172.35	160.00	1.75	0.01	0.00	0.00	4.37	4.10	0.38	-9E+99	4.86	11.68	0.74	0.42
Oak Creek	LIN61	BB7-2	BB7-1	1172.35	1168.75	270.00	1.75	0.01	0.00	0.00	5.88	4.10	0.32	-9E+99	7.61	18.30	0.77	0.44
Oak Creek	LIN57	BB7-3	BB7-27	1176.02	1173.22	110.00	1.75	0.03	0.00	0.00	7.14	4.10	0.29	-9E+99	10.51	25.28	0.74	0.42
Oak Creek	LIN66	BB7-4	BB7-3	1180.00	1176.02	265.00	1.75	0.02	0.00	0.00	6.08	4.10	0.32	-9E+99	8.07	19.42	0.58	0.33
Oak Creek	LIN65	BB7-5	BB7-4	1184.00	1180.00	225.00	1.75	0.02	0.00	0.00	6.70	4.10	0.30	-9E+99	8.78	21.13	0.58	0.33
Oak Creek	LIN59	BB7-11	BB7-10	1193.00	1191.89	369.00	1.75	0.00	0.00	0.00	3.56	4.10	0.43	-9E+99	3.61	8.69	0.85	0.49
Oak Creek	LIN60	BB7-10	BB7-9	1191.89	1190.79	370.00	1.75	0.00	0.00	0.00	3.54	4.10	0.43	-9E+99	3.59	8.64	0.85	0.49
Oak Creek	LIN67	BB7-9	BB7-8	1190.79	1189.70	362.00	1.75	0.00	0.00	0.00	3.56	4.10	0.43	-9E+99	3.61	8.69	0.85	0.49
Oak Creek	LIN62	BB7-8	BB7-7	1189.70	1188.85	283.00	1.75	0.00	0.00	0.00	3.51	4.10	0.43	-9E+99	3.61	8.68	0.90	0.51
Oak Creek	LIN63	BB7-7	BB7-6	1188.85	1188.00	285.00	1.75	0.00	0.00	0.00	3.47	4.10	0.43	-9E+99	3.60	8.65	0.90	0.51
Oak Creek	LIN64	BB7-6	BB7-5	1188.00	1184.00	225.00	1.75	0.02	0.00	0.00	6.79	4.10	0.30	-9E+99	8.78	21.13	0.52	0.30
Oak Creek	LIN103	BB7-1	AA7-279	1168.75	1167.57	350.00	2.00	0.00	0.00	0.00	3.65	4.10	0.42	-9E+99	4.18	13.14	0.82	0.41
Oak Creek	LIN5	AA7-6	AA7-5	1149.49	1148.58	850.00	2.50	0.00	0.00	0.00	2.98	15.24	0.76	-9E+99	2.73	13.42	2.82	1.13
Oak Creek	LIN7	AA7-5	AA7-4	1148.58	1148.20	850.00	2.50	0.00	0.00	0.00	3.10	15.24	0.75	-9E+99	1.77	8.67	2.64	1.06
Oak Creek	LIN6	AA7-2	AA7-298	1147.60	1146.68	65.00	2.50	0.01	0.00	0.00	8.14	15.24	0.54	-9E+99	9.94	48.80	1.17	0.47
Oak Creek	LIN9	AA7-4	AA7-3	1148.20	1147.83	100.00	2.50	0.00	0.00	0.00	3.93	15.24	0.75	-9E+99	5.08	24.95	2.06	0.83
Oak Creek	LIN8	AA7-3	AA7-2	1147.83	1147.60	500.00	2.50	0.00	0.00	0.00	3.74	15.24	0.74	-9E+99	1.79	8.80	2.06	0.83
Oak Creek	LIN16	AA7-298	AA6-68	1146.68	1143.79	572.00	3.00	0.01	0.00	0.00	5.37	15.24	0.66	-9E+99	6.71	47.41	2.14	0.71
Oak Creek	LIN11	AA7-15	AA7-14	1149.19	1149.21	242.00	2.25	0.00	-3.78	-15.21	3.79	15.24	0.68	-9E+99	0.71	2.82	6.76	3.00
Oak Creek	LIN4	AA7-14	AA7-13	1149.21	1148.99	577.00	2.25	0.00	0.00	0.00	3.79	15.24	0.68	-9E+99	1.52	6.05	6.19	2.75
Oak Creek	LIN12	AA7-13	AA7-10	1148.99	1149.02	265.00	2.25	0.00	-3.80	-15.21	3.80	15.24	0.68	-9E+99	0.83	3.30	5.01	2.22
Oak Creek	LIN13	AA7-10	AA7-9	1149.02	1148.94	179.00	2.25	0.00	0.00	0.00	3.81	15.24	0.68	-9E+99	1.65	6.55	4.37	1.94
Oak Creek	LIN14	AA7-9	AA7-7	1148.94	1148.91	118.00	2.25	0.00	0.00	0.00	3.81	15.24	0.68	-9E+99	1.24	4.94	4.02	1.79
Oak Creek	LIN15	AA7-7	AA7-6	1148.91	1149.49	155.00	2.25	0.00	-3.81	-15.21	3.82	15.24	0.67	-9E+99	4.76	18.94	3.40	1.51
Oak Creek	LIN10	AA7-16	AA7-15	1149.94	1149.19	852.00	2.25	0.00	0.00	0.00	3.77	15.24	0.68	-9E+99	2.31	9.19	8.03	3.57
Oak Creek	LIN19	A9-114	A9-113	1186.23	1185.60	525.00	1.50	0.00	0.00	0.00	2.54	4.50	0.46	-9E+99	2.06	3.64	1.83	1.22
Oak Creek	LIN17	A8-280	A8-279	1185.04	1184.82	120.00	1.50	0.00	0.00	0.00	2.65	4.50	0.46	-9E+99	2.55	4.50	1.43	0.95
Oak Creek	LIN18	A9-113	A8-280	1185.60	1185.12	400.00	1.50	0.00	0.00	0.00	2.58	4.50	0.46	-9E+99	2.06	3.64	1.55	1.03
Oak Creek	LIN43	A6-197	A6-196	1137.61	1137.17	530.00	4.00	0.00	0.00	0.00	3.29	19.81	0.98	-9E+99	3.29	41.39	1.94	0.48
Oak Creek	LIN44	A6-196	A6-195	1137.17	1136.56	630.00	4.00	0.00	0.00	0.00	3.31	19.81	0.98	-9E+99	3.56	44.70	2.00	0.50
Oak Creek	LIN45	A6-195	A6-194	1136.56	1136.24	530.00	4.00	0.00	-0.71	-0.71	3.20	19.81	0.99	-9E+99	2.81	35.30	2.00	0.50
Oak Creek	LIN48	A6-194	A6-193	1136.24	1135.28	479.00	4.00	0.00	0.00	0.00	4.19	24.40	0.96	-9E+99	5.12	64.31	2.23	0.56
Oak Creek	LIN52	A6-191	A6-190	1134.71	1134.36	393.00	4.50	0.00	0.00	0.00	3.08	24.40	1.13	-9E+99	3.69	58.69	2.36	0.52
Oak Creek	LIN46	A6-189	A6-188	1134.11	1133.79	515.00	4.50	0.00	0.00	0.00	2.94	24.50	1.17	-9E+99	3.08	49.02	2.38	0.53
Oak Creek	LIN47	A6-188	B6-326	1133.79	1133.49	514.00	4.50	0.00	0.00	0.00	2.87	24.50	1.19	-9E+99	2.99	47.51	2.42	0.54
Oak Creek	LIN49	A6-193	A6-192	1135.28	1134.98	379.00	4.50	0.00	0.00	0.00	3.10	24.40	1.13	-9E+99	3.48	55.33	2.30	0.51
Oak Creek	LIN50	A6-192	A6-191	1134.98	1134.71	546.00	4.50	0.00	0.00	0.00	3.00	24.40	1.15	-9E+99	2.75	43.73	2.30	0.51

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Oak Creek	LIN51	A6-190	A6-189	1134.36	1134.11	501.00	4.50	0.00	0.00	0.00	2.91	24.50	1.18	-9E+99	2.76	43.93	2.36	0.52
Oak Creek	LIN53	A6-198	A6-197	1138.15	1137.61	671.00	4.00	0.00	0.00	0.00	3.15	18.82	0.97	-9E+99	3.24	40.75	1.94	0.48
Oak Creek	LIN54	A6-171	LIFTSTA	1137.82	1137.72	39.00	1.75	0.00	0.00	0.00	0.00	0.00	0.22	-9E+99	3.34	8.02	0.37	0.21
Oak Creek	LIN56	LIFTSTA	A6-7	1137.72	1136.30	568.00	1.00	0.00	0.01	0.00	0.02	-0.02	0.25	-9E+99	2.27	1.78	1.79	1.79
Oak Creek	LIN55	A6-7	A6-194	1136.30	1136.24	25.00	1.00	0.00	0.00	0.00	0.79	-0.86	0.30	-9E+99	2.22	1.75	1.85	1.85
Oak Creek	LIN68	AA7-270	AA7-269	1157.90	1156.01	240.00	2.50	0.01	0.00	0.00	4.97	6.28	0.75	-9E+99	7.42	36.40	9.60	3.84
Oak Creek	LIN69	AA7-269	AA7-268	1156.01	1155.06	400.00	3.00	0.00	0.00	0.00	3.28	6.28	0.90	-9E+99	4.60	32.50	10.52	3.51
Oak Creek	LIN70	AA7-268	AA7-267	1155.06	1154.16	386.00	3.00	0.00	0.00	0.00	3.03	6.28	0.90	-9E+99	4.56	32.21	11.39	3.80
Oak Creek	LIN72	AA7-267	AA7-26	1154.16	1152.35	274.00	1.75	0.01	0.00	0.00	3.43	6.28	0.52	-9E+99	5.35	12.88	12.84	7.34
Oak Creek	LIN71	AA7-271	AA7-270	1159.26	1157.90	240.00	2.50	0.01	0.00	0.00	4.50	6.28	0.75	-9E+99	6.29	30.88	7.76	3.11
Oak Creek	LIN73	AA7-226	AA7-225	1155.84	1155.42	205.00	1.50	0.00	0.00	0.00	3.41	5.28	0.46	-9E+99	2.69	4.75	11.83	7.89
Oak Creek	LIN86	AA7-26	AA7-25	1152.35	1152.05	277.00	1.75	0.00	0.00	0.00	3.27	8.17	0.53	-9E+99	2.17	5.21	12.84	7.34
Oak Creek	LIN74	AA7-225	AA7-195	1155.42	1155.32	189.00	1.50	0.00	0.00	0.00	2.79	5.06	0.45	-9E+99	1.37	2.42	11.83	7.89
Oak Creek	LIN75	AA7-195	AA7-194	1155.32	1155.01	226.00	1.50	0.00	0.00	0.00	2.83	4.69	0.46	-9E+99	2.20	3.89	11.58	7.72
Oak Creek	LIN76	AA7-194	AA7-148	1155.01	1154.76	178.00	1.50	0.00	0.00	0.00	2.85	4.24	0.46	-9E+99	2.23	3.94	11.50	7.67
Oak Creek	LIN77	AA7-148	AA7-137	1154.76	1154.42	217.00	1.50	0.00	0.00	0.00	2.83	4.21	0.46	-9E+99	2.35	4.16	11.54	7.69
Oak Creek	LIN78	AA7-137	AA7-136	1154.42	1154.25	125.00	1.50	0.00	0.00	0.00	2.71	4.02	0.46	-9E+99	2.19	3.87	11.60	7.73
Oak Creek	LIN79	AA7-136	AA7-135	1154.25	1154.14	143.00	1.50	0.00	0.00	0.00	2.49	4.00	0.46	-9E+99	1.65	2.91	11.61	7.74
Oak Creek	LIN80	AA7-135	AA7-117	1154.14	1154.26	202.00	1.50	0.00	-1.41	-2.59	2.42	3.98	0.45	-9E+99	1.45	2.56	11.50	7.67
Oak Creek	LIN81	AA7-117	AA7-116	1154.26	1153.64	177.00	1.50	0.00	0.00	0.00	3.42	3.96	0.45	-9E+99	3.52	6.22	11.91	7.94
Oak Creek	LIN82	AA7-116	AA7-107	1153.64	1153.31	235.00	1.50	0.00	0.00	0.00	2.65	3.90	0.46	-9E+99	2.23	3.94	12.13	8.09
Oak Creek	LIN83	AA7-107	AA7-106	1153.31	1153.07	192.00	1.50	0.00	0.00	0.00	2.62	3.82	0.46	-9E+99	2.10	3.71	12.28	8.19
Oak Creek	LIN85	AA7-106	AA7-91	1153.07	1152.76	201.00	1.50	0.00	0.00	0.00	2.65	3.69	0.46	-9E+99	2.33	4.13	12.51	8.34
Oak Creek	LIN84	AA7-91	AA7-26	1152.76	1152.35	285.00	1.50	0.00	-0.44	-0.24	2.29	3.50	0.46	-9E+99	2.25	3.98	12.84	8.56
Oak Creek	LIN111	AA7-24	AA7-23	1151.74	1151.89	31.44	1.50	0.00	-3.22	-5.94	3.23	5.96	0.45	-9E+99	4.11	7.26	11.91	7.94
Oak Creek	L1515	AA7-24	N1478	1151.74	1136.74	15.00	0.67	1.00	0.00	0.00	14.03	2.44	0.20	-9E+99	34.63	12.10	26.66	39.97
Oak Creek	LIN88	AA7-21	AA7-16	1150.26	1149.94	260.00	2.25	0.00	0.00	0.00	3.77	15.24	0.68	-9E+99	2.73	10.87	8.32	3.70
Oak Creek	LIN87	AA7-25	AA7-24	1152.05	1151.74	316.00	1.75	0.00	0.00	0.00	3.28	8.20	0.53	-9E+99	2.06	4.96	12.46	7.12
Oak Creek	LIN89	AA7-93	AA7-21	1150.75	1150.26	309.00	1.75	0.00	-0.65	-0.57	2.66	6.54	0.52	-9E+99	2.62	6.31	8.33	4.76
Oak Creek	LIN90	AA7-104	AA7-93	1151.13	1150.75	400.00	1.75	0.00	-0.33	-0.17	2.65	6.54	0.53	-9E+99	2.03	4.88	8.59	4.91
Oak Creek	LIN91	AA7-115	AA7-104	1151.67	1151.13	400.00	1.75	0.00	0.00	0.00	2.65	6.54	0.52	-9E+99	2.42	5.82	8.69	4.96
Oak Creek	LIN92	AA7-139	AA7-115	1152.02	1151.67	336.00	1.75	0.00	0.00	0.00	2.65	6.54	0.53	-9E+99	2.13	5.11	8.87	5.07
Oak Creek	LIN93	AA7-146	AA7-139	1152.36	1152.02	344.00	1.75	0.00	0.00	0.00	2.65	6.54	0.53	-9E+99	2.07	4.98	9.09	5.19
Oak Creek	L1518	AA7-23	N1482	1151.89	1136.89	15.00	1.00	1.00	0.00	0.00	21.79	9.14	0.30	-9E+99	45.36	35.63	26.11	26.11
Oak Creek	LIN109	AA7-22	AA7-21	1149.76	1150.26	30.08	1.00	-0.02	-6.99	-5.78	7.21	5.95	0.28	-9E+99	5.85	4.59	9.03	9.03
Oak Creek	LIN112	AA7-303	AA7-23	1152.80	1151.89	591.00	1.50	0.00	0.05	0.10	0.06	-1.04	0.42	-9E+99	2.33	4.12	11.76	7.84
Oak Creek	LIN113	AA7-272	AA7-271	1160.70	1159.26	232.00	2.00	0.01	0.00	0.00	4.25	4.08	0.60	-9E+99	5.67	17.82	6.46	3.23
Oak Creek	LIN104	AA7-273	AA7-272	1162.06	1160.70	328.00	2.00	0.00	0.00	0.00	3.68	4.08	0.60	-9E+99	4.64	14.57	5.09	2.54
Oak Creek	LIN105	AA7-274	AA7-273	1163.44	1162.06	333.00	2.00	0.00	0.00	0.00	3.78	4.08	0.60	-9E+99	4.64	14.56	3.83	1.92
Oak Creek	LIN98	AA7-275	AA7-274	1164.51	1163.44	258.00	2.00	0.00	0.00	0.00	3.79	4.08	0.60	-9E+99	4.64	14.57	2.56	1.28
Oak Creek	LIN99	AA7-276	AA7-275	1165.26	1164.51	284.00	2.00	0.00	0.00	0.00	3.24	4.09	0.52	-9E+99	3.70	11.63	1.56	0.78
Oak Creek	LIN100	AA7-277	AA7-276	1166.08	1165.26	306.00	2.00	0.00	0.00	0.00	3.32	4.10	0.45	-9E+99	3.73	11.71	1.02	0.51
Oak Creek	LIN101	AA7-278	AA7-277	1166.86	1166.08	294.00	2.00	0.00	0.00	0.00	3.37	4.10	0.44	-9E+99	3.71	11.65	0.84	0.42
Oak Creek	LIN102	AA7-279	AA7-278	1167.57	1166.86	270.00	2.00	0.00	0.00	0.00	3.37	4.10	0.44	-9E+99	3.69	11.60	0.82	0.41
Oak Creek	LIN97	AA7-301	AA7-300	1156.92	1156.70	570.00	2.50	0.00	0.00	0.00	2.28	8.15	0.76	-9E+99	1.64	8.06	13.26	5.30

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Oak Creek	LIN96	AA7-300	AA7-299	1156.70	1154.10	20.00	1.50	0.13	0.00	0.00	8.47	7.53	0.45	-9E+99	21.43	37.87	15.78	10.52
Oak Creek	LIN106	AA7-299	AA7-244	1154.10	1153.94	40.00	1.25	0.00	-0.48	-0.11	4.80	6.32	0.38	-9E+99	3.33	4.09	15.78	12.62
Oak Creek	LIN95	AA7-224	AA7-193	1153.63	1152.73	433.00	1.25	0.00	0.00	0.00	5.05	6.54	0.38	-9E+99	2.40	2.95	12.43	9.95
Oak Creek	LIN94	AA7-193	AA7-146	1152.73	1152.36	369.00	1.75	0.00	0.00	0.00	2.65	6.54	0.53	-9E+99	2.09	5.02	9.31	5.32
Oak Creek	LIN107	AA7-244	AA7-224	1153.94	1153.63	386.00	1.25	0.00	0.00	0.00	4.98	6.54	0.38	-9E+99	1.49	1.83	15.60	12.48
Oak Creek	LIN38	A7-150	A6-122	1151.65	1150.22	110.00	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	8.21	25.79	0.00	0.00
Oak Creek	LIN1	A7-151	A7-150	1151.69	1151.65	41.40	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.24	7.03	0.00	0.00
Oak Creek	LIN2	A7-171	A7-151	1151.99	1151.69	229.33	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.60	8.18	0.00	0.00
Oak Creek	LIN3	A7-170	A7-171	1153.70	1151.99	229.34	2.00	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	6.22	19.53	0.00	0.00
Oak Creek	LIN20	AA6-66	A6-233	1143.23	1142.68	571.00	4.00	0.00	0.00	0.00	2.85	15.24	0.92	-9E+99	3.55	44.58	1.94	0.48
Oak Creek	LIN21	AA6-67	AA6-66	1143.52	1143.23	426.00	4.00	0.00	0.00	0.00	2.86	15.24	0.92	-9E+99	2.98	37.48	1.76	0.44
Oak Creek	LIN22	AA6-68	AA6-67	1143.79	1143.52	724.00	3.00	0.00	0.00	0.00	2.88	15.24	0.89	-9E+99	1.82	12.88	2.14	0.71
Oak Creek	LIN30	A6-200	A6-199	1139.37	1138.90	604.00	4.00	0.00	0.00	0.00	3.25	18.82	0.96	-9E+99	3.19	40.07	1.89	0.47
Oak Creek	LIN23	A6-122	A6-121	1150.22	1148.64	450.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.27	13.40	0.00	0.00
Oak Creek	LIN24	A6-121	A6-120	1148.64	1147.07	450.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.25	13.36	0.00	0.00
Oak Creek	LIN25	A6-120	A6-119	1147.07	1145.49	450.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	4.27	13.40	0.00	0.00
Oak Creek	LIN26	A6-119	A6-204	1145.49	1141.29	410.00	2.00	0.01	0.00	0.00	0.00	0.00	0.07	-9E+99	7.29	22.90	1.90	0.00
Oak Creek	LIN37	A6-204	A6-203	1141.29	1140.92	585.00	4.00	0.00	0.00	0.00	3.24	18.82	0.96	-9E+99	2.87	36.13	1.90	0.48
Oak Creek	LIN27	A6-203	A6-202	1140.92	1140.22	450.00	4.00	0.00	0.00	0.00	3.65	18.82	0.90	-9E+99	4.51	56.65	1.92	0.48
Oak Creek	LIN29	A6-201	A6-200	1139.88	1139.37	611.00	4.00	0.00	0.00	0.00	3.22	18.82	0.96	-9E+99	3.30	41.50	1.89	0.47
Oak Creek	LIN28	A6-202	A6-201	1140.22	1139.88	450.00	4.00	0.00	0.00	0.00	3.17	18.82	0.97	-9E+99	3.14	39.48	1.92	0.48
Oak Creek	LIN31	A6-199	A6-198	1138.90	1138.15	687.00	4.00	0.00	0.00	0.00	3.39	18.82	0.94	-9E+99	3.78	47.46	1.92	0.48
Oak Creek	LIN32	A6-206	A6-205	1141.23	1141.52	325.00	4.00	0.00	-2.19	-15.99	2.19	16.23	1.11	-9E+99	3.41	42.91	2.20	0.55
Oak Creek	LIN36	A6-205	A6-204	1141.52	1141.29	398.00	4.00	0.00	-0.68	-0.55	2.76	16.23	0.97	-9E+99	2.75	34.53	1.91	0.48
Oak Creek	LIN33	A6-207	A6-206	1142.02	1141.23	344.00	4.00	0.00	0.00	0.00	3.04	16.23	0.92	-9E+99	5.48	68.84	2.33	0.58
Oak Creek	LIN35	A6-209	A6-208	1142.11	1142.17	98.00	4.00	0.00	-2.63	-15.68	2.63	15.83	0.98	-9E+99	2.83	35.54	1.89	0.47
Oak Creek	LIN34	A6-208	A6-207	1142.17	1142.02	344.00	4.00	0.00	0.00	0.00	2.92	16.23	0.94	-9E+99	2.39	30.00	1.83	0.46
Oak Creek	LIN40	A6-232	A6-209	1142.35	1142.11	611.00	4.00	0.00	-0.34	-0.19	2.45	15.25	1.00	-9E+99	2.27	28.47	2.00	0.50
Oak Creek	LIN42	A6-233	A6-232	1142.68	1142.35	548.00	4.00	0.00	0.00	0.00	2.53	15.25	0.98	-9E+99	2.81	35.25	2.00	0.50
Oak Creek	LIN41	A6-92	A6-210	1145.46	1145.00	30.10	2.25	0.02	0.00	0.00	0.00	0.00	0.00	-9E+99	9.63	38.28	0.00	0.00
Oak Creek	LIN39	A6-210	A6-209	1145.00	1142.11	37.47	2.25	0.08	0.00	0.00	0.00	0.00	0.07	-9E+99	21.63	86.02	1.95	0.00
Oak Creek	LIN114	AA8-154	AA7-301	1157.06	1156.92	468.00	2.50	0.00	0.00	0.00	2.08	8.73	0.76	-9E+99	1.45	7.09	13.29	5.32
Oak Creek	LIN115	AA8-155	AA8-154	1157.70	1157.06	679.00	2.50	0.00	0.00	0.00	2.42	8.86	0.75	-9E+99	2.57	12.59	13.29	5.32
Oak Creek	LIN117	AA8-157	AA8-156	1158.21	1157.86	439.00	2.50	0.00	0.00	0.00	2.42	9.28	0.76	-9E+99	2.36	11.58	12.94	5.18
Oak Creek	LIN119	AA8-158	AA8-157	1158.58	1158.21	241.00	2.50	0.00	0.00	0.00	2.79	9.76	0.76	-9E+99	3.27	16.07	12.80	5.12
Oak Creek	LIN118	AA8-159	AA8-158	1158.75	1158.58	422.00	2.50	0.00	-0.48	-0.18	2.29	8.75	0.76	-9E+99	1.68	8.23	12.56	5.02
Oak Creek	LIN120	AA8-160	AA8-159	1159.25	1158.75	595.00	2.50	0.00	0.00	0.00	2.41	9.36	0.75	-9E+99	2.42	11.89	12.56	5.02
Oak Creek	LIN121	AA8-161	AA8-160	1159.66	1159.25	579.00	2.50	0.00	0.00	0.00	2.41	9.76	0.76	-9E+99	2.22	10.91	12.34	4.94
Oak Creek	LIN122	AA8-162	AA8-161	1160.16	1159.66	593.00	2.50	0.00	0.00	0.00	2.50	10.04	0.75	-9E+99	2.43	11.91	12.22	4.89
Oak Creek	LIN116	AA8-156	AA8-155	1157.86	1157.70	351.00	2.50	0.00	0.00	0.00	2.33	9.01	0.76	-9E+99	1.78	8.76	12.94	5.18
Oak Creek	LIN124	AA8-165	AA8-164	1161.15	1160.65	590.00	2.50	0.00	0.00	0.00	2.24	8.44	0.75	-9E+99	2.43	11.94	11.91	4.76
Oak Creek	LIN123	AA8-164	AA8-163	1160.65	1160.41	355.00	2.50	0.00	0.00	0.00	2.42	10.04	0.76	-9E+99	2.17	10.66	11.96	4.78
Oak Creek	LIN125	AA8-166	AA8-165	1161.28	1161.15	198.00	2.50	0.00	-0.25	-0.05	2.28	8.49	0.76	-9E+99	2.14	10.51	11.63	4.65
Oak Creek	LIN126	AA8-167	AA8-166	1169.32	1161.28	422.00	1.50	0.02	0.00	0.00	6.92	8.58	0.45	-9E+99	8.20	14.50	11.57	7.71
Oak Creek	LIN135	AA8-168	AA8-176	1179.97	1176.44	215.00	2.00	0.02	0.00	0.00	7.78	8.59	0.43	-9E+99	9.23	28.99	1.57	0.78

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Oak Creek	LIN128	AA8-169	AA8-168	1180.47	1179.97	445.00	2.00	0.00	0.00	0.00	3.45	8.59	0.59	-9E+99	2.41	7.58	1.57	0.79
Oak Creek	LIN130	AA8-171	AA8-170	1181.60	1181.12	424.00	2.00	0.00	0.00	0.00	2.88	8.59	0.61	-9E+99	2.42	7.61	1.81	0.91
Oak Creek	LIN129	AA8-170	AA8-169	1181.12	1180.47	584.00	2.00	0.00	0.00	0.00	2.98	8.59	0.61	-9E+99	2.40	7.55	1.75	0.87
Oak Creek	LIN131	AA8-172	AA8-171	1182.10	1181.60	453.00	2.00	0.00	0.00	0.00	2.61	7.69	0.61	-9E+99	2.39	7.52	1.81	0.91
Oak Creek	LIN132	AA8-173	AA8-172	1182.65	1182.10	491.00	2.00	0.00	0.00	0.00	2.67	7.69	0.61	-9E+99	2.41	7.57	1.78	0.89
Oak Creek	LIN133	AA8-174	AA8-173	1183.33	1182.65	519.00	2.00	0.00	0.00	0.00	2.81	7.69	0.61	-9E+99	2.61	8.19	1.74	0.87
Oak Creek	LIN127	AA8-175	AA8-167	1174.99	1169.32	336.00	1.50	0.02	0.00	0.00	7.30	8.58	0.45	-9E+99	7.72	13.65	6.08	4.06
Oak Creek	LIN134	AA8-176	AA8-175	1176.44	1174.99	62.00	1.50	0.02	0.00	0.00	8.27	8.58	0.45	-9E+99	9.09	16.06	2.61	1.74
Oak Creek	LIN136	AA8-163	AA8-162	1160.41	1160.16	369.00	2.50	0.00	0.00	0.00	2.45	10.04	0.76	-9E+99	2.17	10.68	12.02	4.81
Oak Creek	LIN137	A8-278	AA8-174	1184.32	1183.33	330.00	1.50	0.00	0.00	0.00	2.98	4.50	0.45	-9E+99	3.26	5.75	1.64	1.10
Oak Creek	LIN138	A8-279	A8-278	1184.82	1184.32	416.00	1.50	0.00	0.00	0.00	2.63	4.50	0.45	-9E+99	2.06	3.64	1.43	0.95
UNK	LBS-2	D1S-900	D0-168-2	1278.80	1247.85	4761.00	2.00	0.01	0.00	0.00	5.12	5.69	0.42	-9E+99	5.81	18.24	0.82	0.41
UNK	LBS-1	D1S-905	D1S-900	1283.29	1278.80	1361.00	1.50	0.00	0.00	0.00	3.51	4.68	0.44	-9E+99	3.41	6.03	1.09	0.73
Lynn Creek	LH4	B7-334	B7-333	1144.57	1142.29	272.54	2.50	0.01	0.00	0.00	5.95	8.27	0.46	-9E+99	7.64	37.52	0.97	0.39
Lynn Creek	LH2	B7-332	B7-331	1141.00	1138.84	534.40	2.50	0.00	0.00	0.00	4.79	9.36	0.55	-9E+99	5.31	26.08	1.06	0.42
Lynn Creek	LH1	B7-331	B6-271	1138.84	1136.14	541.47	2.50	0.00	0.00	0.00	5.07	9.36	0.54	-9E+99	5.90	28.96	1.25	0.50
Lynn Creek	LH3	B7-333	B7-332	1142.29	1141.00	314.23	2.50	0.00	0.00	0.00	4.66	8.27	0.53	-9E+99	5.35	26.28	1.06	0.42
Lynn Creek	LH5	B7-337	B7-336	1153.46	1151.00	457.22	2.50	0.01	0.00	0.00	5.13	8.27	0.50	-9E+99	6.13	30.09	0.92	0.37
Lynn Creek	LH7	B7-336	B7-335	1151.00	1147.59	500.00	2.50	0.01	0.00	0.00	5.64	8.27	0.47	-9E+99	6.90	33.87	0.90	0.36
Lynn Creek	LH6	B7-335	B7-334	1147.59	1144.57	514.46	2.50	0.01	0.00	0.00	5.25	8.27	0.49	-9E+99	6.40	31.43	0.90	0.36
Lynn Creek	LH8	B7-338	B7-337	1155.40	1153.76	397.78	2.50	0.00	0.00	0.00	4.30	5.79	0.45	-9E+99	5.37	26.34	0.80	0.32
Lynn Creek	LH10	B7-340	B7-339	1162.57	1159.80	500.00	2.00	0.01	0.00	0.00	4.68	5.79	0.44	-9E+99	5.36	16.84	0.85	0.42
Lynn Creek	LH9	B7-339	B7-338	1159.80	1155.40	500.00	2.00	0.01	0.00	0.00	5.66	5.79	0.40	-9E+99	6.76	21.22	0.80	0.40
Lynn Creek	LH13	B7-342	B7-435	1171.00	1167.60	304.00	1.75	0.01	0.00	0.00	5.78	5.79	0.40	-9E+99	6.97	16.76	0.79	0.45
Lynn Creek	LH11	B7-343	B7-342	1171.57	1171.00	450.00	1.75	0.00	0.00	0.00	3.06	5.79	0.52	-9E+99	2.34	5.64	1.35	0.77
Lynn Creek	LH14	B7-435	B7-341	1167.60	1163.07	103.00	1.75	0.04	0.00	0.00	8.37	5.79	0.31	-9E+99	13.82	33.23	1.29	0.74
Lynn Creek	LH12	B7-341	B7-340	1163.07	1162.57	503.00	2.00	0.00	0.00	0.00	2.83	5.79	0.56	-9E+99	2.27	7.13	1.29	0.64
Lynn Creek	LH16	A8-17	A8-16	1196.44	1195.33	260.00	1.50	0.00	0.00	0.00	3.47	2.26	0.32	-9E+99	3.88	6.86	0.59	0.40
Lynn Creek	LH19	A8-11	A8-10	1190.66	1187.84	430.00	1.50	0.01	0.00	0.00	4.85	5.39	0.42	-9E+99	4.81	8.51	0.93	0.62
Lynn Creek	LH15	A8-13	A8-11	1193.02	1190.66	440.00	1.50	0.01	0.00	0.00	4.71	5.39	0.42	-9E+99	4.35	7.69	0.93	0.62
Lynn Creek	LH17	A8-16	A8-86	1195.33	1194.22	251.00	1.50	0.00	0.00	0.00	3.28	2.26	0.33	-9E+99	3.95	6.99	0.88	0.59
Lynn Creek	LH18	A8-86	A8-13	1194.22	1193.02	190.00	1.50	0.01	0.00	0.00	4.97	5.39	0.41	-9E+99	4.72	8.35	0.93	0.62
Lynn Creek	LH27	A8-10	A8-159	1187.84	1185.24	186.00	1.50	0.01	0.00	0.00	6.62	5.39	0.36	-9E+99	7.03	12.42	0.82	0.54
Lynn Creek	LH21	A8-2	B8-69	1175.04	1174.25	320.00	1.75	0.00	0.00	0.00	3.48	5.39	0.49	-9E+99	3.27	7.87	1.11	0.63
Lynn Creek	LH20	A8-5	A8-2	1177.01	1175.04	330.00	1.75	0.01	0.00	0.00	4.73	5.39	0.42	-9E+99	5.09	12.24	1.07	0.61
Lynn Creek	LH22	A8-6	A8-5	1178.38	1177.01	319.00	1.75	0.00	0.00	0.00	4.28	5.39	0.45	-9E+99	4.32	10.38	0.92	0.53
Lynn Creek	LH23	A8-7	A8-6	1179.60	1178.38	276.00	1.75	0.00	0.00	0.00	4.38	5.39	0.44	-9E+99	4.38	10.53	0.92	0.53
Lynn Creek	LH24	A8-8	A8-7	1181.74	1179.60	222.00	1.50	0.01	0.00	0.00	5.77	5.39	0.38	-9E+99	5.84	10.31	0.89	0.59
Lynn Creek	LH25	A8-140	A8-8	1183.45	1181.74	200.00	1.50	0.01	0.00	0.00	5.60	5.39	0.39	-9E+99	5.50	9.71	0.81	0.54
Lynn Creek	LH26	A8-159	A8-140	1185.24	1183.45	223.00	1.50	0.01	0.00	0.00	5.49	5.39	0.39	-9E+99	5.33	9.41	0.82	0.54
Lynn Creek	LH30	B8-67	B7-343	1172.00	1171.57	330.00	1.75	0.00	0.00	0.00	2.71	5.39	0.53	-9E+99	2.38	5.72	1.35	0.77
Lynn Creek	LH28	B8-68	B8-67	1173.12	1172.00	506.00	1.75	0.00	0.00	0.00	3.19	5.39	0.51	-9E+99	3.10	7.45	1.35	0.77
Lynn Creek	LH29	B8-69	B8-68	1174.25	1173.12	504.00	1.75	0.00	0.00	0.00	3.35	5.39	0.50	-9E+99	3.12	7.50	1.15	0.66
Little Salt	LSAM25	C6-375	C6-313	1137.70	1137.49	167.70	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.10	3.72	0.00	0.00
Little Salt	LSAM27	C6-313	C6-262	1137.49	1136.96	361.20	1.50	0.00	0.00	0.00	0.00	0.00	0.01	-9E+99	2.28	4.02	0.18	0.00

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM28	C6-262	C6-352	1136.96	1136.44	361.90	1.50	0.00	-0.02	0.00	0.12	0.01	0.33	-9E+99	2.25	3.98	0.70	0.47
Little Salt	LSAM29	C6-352	C6-230	1136.44	1135.88	376.30	1.50	0.00	0.03	0.02	0.11	-0.24	0.45	-9E+99	2.29	4.05	1.26	0.84
Little Salt	LSAM30	C6-230	C6-195	1135.88	1135.62	181.40	1.50	0.00	0.02	0.03	0.15	-0.53	0.45	-9E+99	2.25	3.98	1.52	1.01
Little Salt	LSAM1	C6-195	C6-194	1135.62	1134.15	369.79	3.00	0.00	0.00	0.00	5.66	20.76	0.76	-9E+99	5.95	42.05	1.78	0.59
Little Salt	LSAM18	C6-194	C6-399	1134.15	1133.20	370.00	3.00	0.00	0.00	0.00	4.67	20.76	0.83	-9E+99	4.78	33.80	2.01	0.67
Little Salt	LSAM152	C6-194	C6-193	1150.25	1133.69	357.70	3.00	0.05	0.00	0.00	0.00	0.00	0.10	-9E+99	20.30	143.51	9.16	0.00
Little Salt	LSAM2	C6-388	C6-195	1135.97	1135.62	346.40	2.50	0.00	0.00	0.00	4.37	19.02	0.75	-9E+99	2.66	13.04	2.15	0.86
Little Salt	LSAM3	C6-197	C6-388	1136.88	1135.97	374.80	2.50	0.00	0.00	0.00	4.43	19.02	0.76	-9E+99	4.12	20.21	2.15	0.86
Little Salt	LSAM5	C6-134	C6-199	1140.17	1138.82	312.00	2.25	0.00	0.00	0.00	5.82	18.42	0.68	-9E+99	5.12	20.37	1.68	0.75
Little Salt	LSAM7	C6-95	C6-105	1152.95	1151.76	455.00	2.25	0.00	0.00	0.00	4.55	15.21	0.68	-9E+99	3.98	15.84	1.77	0.79
Little Salt	LSAM6	C6-89	C6-95	1153.70	1152.95	381.70	2.25	0.00	0.00	0.00	4.07	14.11	0.68	-9E+99	3.45	13.73	1.84	0.82
Little Salt	LSAM16	C6-101	C6-107	1150.82	1149.33	420.40	2.50	0.00	0.00	0.00	5.42	18.42	0.72	-9E+99	4.97	24.42	1.67	0.67
Little Salt	LSAM8	C6-105	C6-101	1151.76	1150.82	361.50	2.25	0.00	0.00	0.00	4.64	15.21	0.68	-9E+99	3.97	15.79	1.74	0.78
Little Salt	LSAM9	C6-132	C6-134	1141.67	1140.17	346.00	2.25	0.00	0.00	0.00	5.80	18.42	0.68	-9E+99	5.13	20.39	1.68	0.75
Little Salt	LSAM10	C6-131	C6-132	1143.24	1141.67	366.00	2.25	0.00	0.00	0.00	5.78	18.42	0.68	-9E+99	5.10	20.28	1.68	0.75
Little Salt	LSAM11	C6-127	C6-131	1144.83	1143.24	355.00	2.25	0.00	0.00	0.00	5.86	18.42	0.68	-9E+99	5.21	20.73	1.68	0.75
Little Salt	LSAM12	C6-126	C6-127	1146.20	1144.83	316.70	2.25	0.00	0.00	0.00	5.81	18.42	0.68	-9E+99	5.12	20.37	1.68	0.75
Little Salt	LSAM13	C6-56	C6-89	1154.44	1153.70	366.10	2.25	0.00	0.00	0.00	4.02	14.11	0.68	-9E+99	3.50	13.92	1.86	0.83
Little Salt	LSAM14	C6-49	C6-56	1155.19	1154.44	382.00	2.25	0.00	0.00	0.00	3.97	14.11	0.68	-9E+99	3.45	13.72	1.89	0.84
Little Salt	LSAM15	C6-351	C6-49	1156.28	1155.19	531.70	2.25	0.00	0.00	0.00	4.00	14.11	0.68	-9E+99	3.53	14.02	1.89	0.84
Little Salt	LSAM17	C6-107	C6-126	1149.33	1146.20	720.21	2.25	0.00	0.00	0.00	5.81	18.42	0.68	-9E+99	5.13	20.42	1.68	0.75
Little Salt	LSAM20	C6-400	C6-406	1132.70	1132.04	350.22	3.00	0.00	0.00	0.00	4.23	20.76	0.87	-9E+99	4.10	28.95	2.06	0.69
Little Salt	LSAM19	C6-399	C6-400	1133.20	1132.70	335.00	3.00	0.00	0.00	0.00	4.15	20.76	0.87	-9E+99	3.65	25.77	2.01	0.67
Little Salt	LSAM21	C6-406	C6-407	1132.04	1131.60	433.39	3.00	0.00	0.00	0.00	4.11	20.76	0.87	-9E+99	3.01	21.25	2.06	0.69
Little Salt	LSAM22	C6-407	C6-450	1131.60	1130.13	416.33	3.00	0.00	0.00	0.00	5.15	20.75	0.80	-9E+99	5.61	39.63	2.24	0.75
Little Salt	LSAM31	C6-452	C6-334	1138.42	1137.95	330.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.24	3.96	0.00	0.00
Little Salt	LSAM26	C6-334	C6-375	1137.95	1137.70	148.30	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.44	4.31	0.00	0.00
Little Salt	LSAM4	C6-199	C6-197	1138.82	1136.88	375.00	2.25	0.01	0.00	0.00	5.83	18.42	0.67	-9E+99	5.60	22.28	2.03	0.90
Little Salt	LSAM23	C6-480	C6-351	1156.72	1156.28	354.00	2.25	0.00	0.00	0.00	3.68	14.11	0.68	-9E+99	2.75	10.92	2.11	0.94
Little Salt	LSAM127	D5-46	D5-51	1183.96	1182.37	371.00	1.75	0.00	0.00	0.00	4.79	8.35	0.51	-9E+99	4.31	10.37	1.20	0.68
Little Salt	LSAM116	D5-324	D5-325	1160.20	1159.43	492.00	2.25	0.00	0.00	0.00	3.54	14.12	0.68	-9E+99	3.08	12.25	2.96	1.32
Little Salt	LSAM117	D5-325	D5-326	1159.43	1158.66	485.00	2.25	0.00	0.00	0.00	3.55	14.12	0.68	-9E+99	3.10	12.34	2.72	1.21
Little Salt	LSAM118	D5-326	D5-339	1158.66	1157.90	493.00	2.25	0.00	0.00	0.00	3.57	14.11	0.68	-9E+99	3.06	12.16	2.56	1.14
Little Salt	LSAM140	D5-339	D5-513	1157.90	1157.18	359.00	2.25	0.00	0.00	0.00	3.61	14.11	0.68	-9E+99	3.49	13.87	2.38	1.06
Little Salt	LSAM129	D5-153	D5-386	1167.61	1167.34	89.00	2.00	0.00	0.00	0.00	4.64	12.68	0.61	-9E+99	3.97	12.46	3.21	1.60
Little Salt	LSAM119	D5-152	D5-153	1169.22	1167.61	221.00	1.75	0.01	0.00	0.00	5.71	10.80	0.52	-9E+99	5.62	13.52	3.21	1.83
Little Salt	LSAM125	D5-151	D5-152	1171.48	1169.22	371.00	1.75	0.01	0.00	0.00	5.78	10.80	0.53	-9E+99	5.14	12.37	2.62	1.50
Little Salt	LSAM124	D5-122	D5-483	1173.72	1172.70	164.00	1.75	0.01	0.00	0.00	5.82	10.81	0.53	-9E+99	5.20	12.50	1.59	0.91
Little Salt	LSAM120	D5-121	D5-122	1176.14	1173.72	396.00	1.75	0.01	0.00	0.00	5.80	10.82	0.52	-9E+99	5.15	12.39	1.35	0.77
Little Salt	LSAM121	D5-119	D5-121	1177.60	1176.14	348.00	1.75	0.00	0.00	0.00	4.69	8.35	0.52	-9E+99	4.27	10.26	1.27	0.73
Little Salt	LSAM122	D5-67	D5-119	1179.19	1177.60	372.00	1.75	0.00	0.00	0.00	4.78	8.35	0.51	-9E+99	4.31	10.36	1.21	0.69
Little Salt	LSAM123	D5-483	D5-151	1172.70	1171.48	200.00	1.75	0.01	0.00	0.00	5.78	10.81	0.53	-9E+99	5.15	12.38	2.00	1.15
Little Salt	LSAM126	D5-63	D5-67	1180.78	1179.19	409.00	1.75	0.00	0.00	0.00	4.60	8.35	0.52	-9E+99	4.11	9.88	1.24	0.71
Little Salt	LSAM128	D5-51	D5-63	1182.37	1180.78	343.00	1.75	0.00	0.00	0.00	4.88	8.35	0.51	-9E+99	4.49	10.79	1.24	0.71
Little Salt	LSAM136	D5-386	D5-434	1167.34	1166.85	95.00	2.00	0.01	0.00	0.00	4.67	12.68	0.61	-9E+99	5.17	16.25	3.40	1.70

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM130	D5-213	D5-210	1166.57	1165.43	271.00	2.00	0.00	0.00	0.00	4.48	12.68	0.60	-9E+99	4.67	14.67	3.46	1.73
Little Salt	LSAM134	D5-210	D5-482	1165.43	1165.36	153.00	2.00	0.00	0.00	0.00	4.19	13.22	0.61	-9E+99	1.54	4.84	3.46	1.73
Little Salt	LSAM131	D5-276	D5-324	1161.98	1160.20	478.00	2.00	0.00	0.00	0.00	4.55	13.22	0.60	-9E+99	4.39	13.80	2.96	1.48
Little Salt	LSAM132	D5-275	D5-276	1163.32	1161.98	417.00	2.00	0.00	0.00	0.00	4.64	13.22	0.61	-9E+99	4.08	12.82	2.88	1.44
Little Salt	LSAM133	D5-209	D5-275	1164.60	1163.32	402.00	2.00	0.00	0.00	0.00	4.63	13.22	0.61	-9E+99	4.06	12.77	2.97	1.48
Little Salt	LSAM135	D5-482	D5-209	1165.36	1164.60	237.00	2.00	0.00	0.00	0.00	4.64	13.22	0.61	-9E+99	4.08	12.81	3.01	1.50
Little Salt	LSAM137	D5-434	D5-213	1166.85	1166.57	165.00	2.00	0.00	0.00	0.00	4.12	12.68	0.61	-9E+99	2.97	9.32	3.40	1.70
Little Salt	LSAM24	D5-513	C6-480	1157.18	1156.72	366.00	2.25	0.00	0.00	0.00	3.48	14.11	0.68	-9E+99	2.76	10.98	2.38	1.06
Little Salt	LSAM138	D5-414	D5-121	1177.07	1176.14	400.00	1.50	0.00	0.02	0.00	0.31	-0.31	0.43	-9E+99	2.87	5.07	1.27	0.85
Little Salt	LSAM139	D5-62	D5-414	1185.64	1184.94	47.00	1.50	0.01	0.00	0.00	0.00	0.00	0.00	-9E+99	7.25	12.82	-7.53	0.00
Little Salt	LSAM115	D5-45	D5-46	1184.49	1183.96	108.00	1.75	0.00	0.00	0.00	4.95	8.35	0.51	-9E+99	4.61	11.10	1.20	0.68
Little Salt	LSAM111	D5-16	D5-45	1191.17	1189.00	372.00	1.50	0.01	0.00	0.00	5.13	7.60	0.45	-9E+99	4.54	8.02	1.18	0.79
Little Salt	LSAM112	D5-17	D5-16	1193.34	1191.17	373.00	1.50	0.01	0.00	0.00	5.14	7.60	0.46	-9E+99	4.53	8.01	1.18	0.79
Little Salt	LSAM113	D5-417	D5-17	1194.94	1193.34	273.00	1.50	0.01	0.00	0.00	5.17	7.60	0.45	-9E+99	4.55	8.04	1.17	0.78
Little Salt	LSAM114	D4-481	D5-417	1195.50	1194.94	134.00	1.50	0.00	0.00	0.00	4.69	7.60	0.46	-9E+99	3.84	6.79	1.31	0.87
Little Salt	LSAM103	D4-482	D4-481	1197.90	1195.50	397.00	1.50	0.01	0.00	0.00	5.10	7.42	0.45	-9E+99	4.62	8.17	1.31	0.87
Little Salt	LSAM104	D4-483	D4-482	1198.17	1197.90	44.00	1.50	0.01	0.00	0.00	5.21	7.42	0.45	-9E+99	4.66	8.23	1.14	0.76
Little Salt	LSAM105	D4-484	D4-483	1200.52	1198.17	394.00	1.50	0.01	0.00	0.00	5.20	7.42	0.45	-9E+99	4.59	8.11	1.13	0.75
Little Salt	LSAM106	D4-485	D4-484	1202.83	1200.52	238.00	1.50	0.01	0.00	0.00	6.16	7.42	0.43	-9E+99	5.86	10.35	1.13	0.75
Little Salt	LSAM107	D4-486	D4-485	1204.97	1202.83	432.00	1.50	0.00	0.00	0.00	4.68	7.42	0.45	-9E+99	4.18	7.39	1.31	0.87
Little Salt	LSAM108	D4-462	D4-486	1208.35	1204.97	307.00	1.50	0.01	0.00	0.00	5.86	5.80	0.39	-9E+99	6.24	11.02	1.31	0.87
Little Salt	LSAM110	D4-262	D4-463	1215.00	1212.19	291.00	1.50	0.01	0.00	0.00	5.59	4.47	0.36	-9E+99	5.84	10.32	0.73	0.49
Little Salt	LSAM109	D4-463	D4-462	1212.19	1208.35	485.00	1.50	0.01	0.00	0.00	5.19	4.47	0.37	-9E+99	5.29	9.35	0.77	0.52
Little Salt	LSAM44	B9-21	B9-22	1136.06	1134.14	235.00	2.25	0.01	0.00	0.00	4.97	3.99	0.34	-9E+99	7.04	27.99	0.58	0.26
Little Salt	LSAM40	B9-39	C9-4	1132.26	1131.41	118.00	2.50	0.01	0.00	0.00	3.74	3.99	0.42	-9E+99	7.09	34.81	1.53	0.61
Little Salt	LSAM45	B9-22	B9-39	1134.14	1132.26	250.00	2.25	0.01	0.00	0.00	4.75	3.99	0.34	-9E+99	6.75	26.86	0.68	0.30
Little Salt	LSAM46	B9-20	B9-21	1137.95	1136.06	170.00	2.25	0.01	0.00	0.00	5.50	3.99	0.32	-9E+99	8.21	32.66	0.57	0.26
Little Salt	LSAM47	B9-19	B9-52	1141.45	1139.74	173.00	2.25	0.01	0.00	0.00	5.33	3.99	0.32	-9E+99	7.74	30.79	0.55	0.25
Little Salt	LSAM48	B9-52	B9-20	1139.74	1137.95	179.00	2.25	0.01	0.00	0.00	5.31	3.99	0.32	-9E+99	7.79	30.97	0.55	0.25
Little Salt	LSAM49	B9-17	B9-18	1147.31	1145.00	412.00	2.25	0.01	0.00	0.00	4.16	3.99	0.37	-9E+99	5.83	23.19	0.67	0.30
Little Salt	LSAM50	B9-18	B9-19	1145.00	1141.45	350.00	2.25	0.01	0.00	0.00	5.39	3.99	0.32	-9E+99	7.84	31.19	0.55	0.24
Little Salt	LSAM51	B9-14	B9-15	1156.46	1153.83	438.00	2.25	0.01	0.00	0.00	4.46	3.99	0.36	-9E+99	6.04	24.00	0.63	0.28
Little Salt	LSAM53	B9-15	B9-16	1153.83	1150.17	650.00	2.25	0.01	0.00	0.00	4.37	3.99	0.36	-9E+99	5.84	23.24	0.63	0.28
Little Salt	LSAM52	B9-16	B9-17	1150.17	1147.31	509.00	2.25	0.01	0.00	0.00	4.33	3.99	0.37	-9E+99	5.84	23.22	0.67	0.30
Little Salt	LSAM55	B9-70	B9-14	1161.35	1156.46	401.00	1.50	0.01	0.00	0.00	5.93	3.99	0.32	-9E+99	6.56	11.60	0.62	0.41
Little Salt	LSAM54	B9-69	B9-70	1164.99	1161.35	412.00	1.50	0.01	0.00	0.00	5.13	3.99	0.35	-9E+99	5.59	9.87	0.69	0.46
Little Salt	LSAM56	B9-68	B9-69	1169.02	1164.99	497.00	1.50	0.01	0.00	0.00	5.12	3.99	0.35	-9E+99	5.35	9.46	0.69	0.46
Little Salt	LSAM60	B9-71	B9-68	1174.17	1169.02	567.00	1.50	0.01	0.00	0.00	5.32	3.99	0.34	-9E+99	5.67	10.01	0.68	0.45
Little Salt	LSAM57	B9-72	B9-71	1182.83	1174.17	343.00	1.50	0.03	0.00	0.00	7.41	3.99	0.29	-9E+99	9.45	16.69	0.66	0.44
Little Salt	LSAM58	B9-74	B9-73	1185.45	1183.99	507.00	1.50	0.00	0.00	0.00	3.41	3.99	0.43	-9E+99	3.19	5.64	1.01	0.67
Little Salt	LSAM59	B9-73	B9-72	1183.99	1182.83	400.00	1.50	0.00	0.00	0.00	3.35	3.99	0.42	-9E+99	3.20	5.66	1.01	0.67
Little Salt	LSAM62	D9-73	D9-74	1111.18	1110.90	510.00	5.00	0.00	0.00	0.00	5.63	111.85	1.52	-9E+99	3.11	61.02	14.26	2.85
Little Salt	LSAM63	D9-74	D9-75	1110.90	1110.62	510.00	5.00	0.00	0.00	0.00	5.64	111.85	1.52	-9E+99	3.11	61.02	13.62	2.72
Little Salt	LSAM64	D9-75	D9-76	1110.62	1110.34	510.00	5.00	0.00	-1.52	-5.77	5.64	111.85	1.52	-9E+99	3.11	61.02	12.98	2.60
Little Salt	LSAM71	D9-76	D9-77	1110.34	1110.27	520.00	5.00	0.00	-2.92	-15.63	5.64	111.85	1.52	-9E+99	1.54	30.22	12.33	2.47

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Stevens Creek	LSAM65	D9-101	D9-102	1110.95	1110.57	939.00	7.00	0.00	-1.75	-17.79	5.60	217.00	2.32	-9E+99	3.34	128.51	14.02	2.00
Stevens Creek	LSAM66	D9-100	D9-101	1111.33	1110.95	939.00	7.00	0.00	-1.64	-10.12	5.39	208.66	2.32	-9E+99	3.34	128.51	14.62	2.09
Stevens Creek	LSAM67	D9-99	D9-100	1111.71	1111.33	939.00	7.00	0.00	0.00	0.00	5.38	208.65	2.32	-9E+99	3.34	128.51	15.22	2.18
Stevens Creek	LSAM68	D9-98	D9-99	1112.09	1111.71	451.34	6.00	0.00	0.00	0.00	7.29	208.40	1.84	-9E+99	4.35	122.89	15.91	2.65
Stevens Creek	LSAM72	D9-103	D9-JNC	1110.48	1110.25	81.36	5.00	0.00	-3.41	-27.28	11.04	218.55	1.52	-9E+99	7.05	138.47	11.67	2.33
Stevens Creek	LSAM70	D9-102	D9-103	1110.57	1110.48	254.00	5.00	0.00	-3.11	-27.19	11.02	218.54	1.52	-9E+99	2.50	49.02	13.33	2.67
Little Salt	LSAM73	D9-77	D9-JNC	1110.27	1110.25	77.00	5.00	0.00	-4.35	-19.97	5.65	111.85	1.52	-9E+99	2.14	41.97	11.46	2.29
Stevens Creek	LSAM74	D9-JNC	D9-WWTP	1110.25	1110.00	410.00	5.00	0.00	-4.08	-37.74	17.53	329.41	1.49	-9E+99	3.28	64.31	11.34	2.27
Little Salt	LSAM75	D9-84	D9-32	1128.13	1127.47	437.30	2.00	0.00	0.00	0.00	2.72	3.94	0.48	-9E+99	2.80	8.79	0.94	0.47
Little Salt	LSAM76	D9-32	D9-31	1127.47	1126.81	440.00	2.00	0.00	0.00	0.00	2.71	3.94	0.48	-9E+99	2.79	8.76	0.94	0.47
Little Salt	LSAM77	D9-31	D9-30	1126.81	1126.15	440.00	2.00	0.00	0.00	0.00	2.71	3.94	0.48	-9E+99	2.79	8.76	0.95	0.47
Little Salt	LSAM78	D9-30	D9-29	1126.15	1125.49	440.00	2.00	0.00	0.00	0.00	2.74	3.94	0.48	-9E+99	2.79	8.76	0.95	0.47
Little Salt	LSAM90	D9-29	D9-12	1125.49	1124.00	427.00	2.00	0.00	0.00	0.00	3.65	3.94	0.45	-9E+99	4.25	13.36	1.74	0.87
Little Salt	LSAM79	D9-64	D9-65	1112.44	1112.11	492.58	5.00	0.00	1.72	-9.41	1.81	35.85	1.52	-9E+99	3.43	67.41	13.69	2.74
Little Salt	LSAM80	D9-65	D9-66	1112.11	1112.07	382.42	5.00	0.00	1.76	-11.24	1.85	36.56	1.52	-9E+99	1.36	26.64	13.69	2.74
Little Salt	LSAM81	D9-66	D9-67	1112.07	1111.88	425.00	5.00	0.00	1.76	-13.61	1.85	36.56	1.52	-9E+99	2.80	55.07	13.79	2.76
Little Salt	LSAM94	D9-67	D9-69	1111.88	1111.60	223.00	5.00	0.00	1.76	-15.40	1.85	36.59	1.52	-9E+99	4.70	92.29	14.04	2.81
Little Salt	LSAM95	D9-68	D9-70	1122.40	1111.47	167.00	2.00	0.07	0.00	0.00	5.75	5.22	0.60	-9E+99	18.42	57.87	14.13	7.07
Little Salt	LSAM82	D9-63	D9-64	1112.64	1112.44	500.00	5.00	0.00	1.72	-8.02	1.81	35.82	1.52	-9E+99	2.65	52.09	13.43	2.69
Little Salt	LSAM83	D9-62	D9-63	1112.84	1112.64	500.00	5.00	0.00	-1.57	-6.67	1.81	35.78	1.52	-9E+99	2.65	52.09	13.31	2.66
Little Salt	LSAM84	D9-61	D9-62	1113.04	1112.84	550.00	5.00	0.00	-1.35	-5.48	1.81	35.74	1.52	-9E+99	2.53	49.66	13.18	2.64
Little Salt	LSAM85	D9-60	D9-61	1113.24	1113.04	550.00	5.00	0.00	-1.19	-4.23	1.81	35.70	1.52	-9E+99	2.53	49.66	13.06	2.61
Little Salt	LSAM86	D9-59	D9-60	1113.44	1113.24	565.66	5.00	0.00	-1.00	-3.00	1.89	35.68	1.52	-9E+99	2.49	48.97	12.94	2.59
Little Salt	LSAM87	D9-58	D9-59	1113.60	1113.49	284.34	5.00	0.00	-1.02	-1.73	2.05	35.67	1.52	-9E+99	2.61	51.23	12.78	2.56
Little Salt	LSAM88	D9-71	D9-72	1111.43	1111.22	394.16	5.00	0.00	1.93	-24.11	2.08	41.17	1.52	-9E+99	3.06	60.12	14.23	2.85
Little Salt	LSAM61	D9-72	D9-73	1111.22	1111.18	70.71	5.00	0.00	1.93	-28.18	2.08	41.18	1.52	-9E+99	3.15	61.94	14.26	2.85
Little Salt	LSAM89	D9-78	D9-68	1123.90	1122.40	289.00	2.00	0.01	0.00	0.00	4.18	4.03	0.60	-9E+99	5.19	16.30	3.25	1.63
Little Salt	LSAM91	D9-12	D9-78	1124.00	1123.90	30.00	2.00	0.00	0.00	0.00	3.84	3.98	0.61	-9E+99	4.16	13.06	1.83	0.92
Little Salt	LSAM92	D9-85	D9-58	1113.75	1113.60	319.79	5.00	0.00	-0.63	-0.58	2.17	35.65	1.52	-9E+99	2.87	56.41	12.71	2.54
Little Salt	LSAM96	D9-70	D9-71	1111.47	1111.43	390.00	5.00	0.00	1.93	-18.95	2.08	41.20	1.52	-9E+99	1.34	26.38	14.13	2.83
Little Salt	LSAM93	D9-69	D9-70	1111.60	1111.47	203.00	5.00	0.00	1.76	-16.75	1.85	36.62	1.52	-9E+99	3.36	65.91	14.13	2.83
Little Salt	LSAM97	C9-7	C9-6	1114.85	1114.50	506.00	4.50	0.00	0.00	0.00	3.03	35.63	1.37	-9E+99	3.25	51.72	11.95	2.66
Little Salt	LSAM98	C9-8	C9-7	1115.21	1114.85	498.00	4.50	0.00	0.00	0.00	2.99	35.61	1.37	-9E+99	3.32	52.87	11.73	2.61
Little Salt	LSAM99	C9-9	C9-8	1115.39	1115.21	51.00	4.50	0.00	0.00	0.00	3.37	35.60	1.37	-9E+99	7.35	116.83	11.50	2.56
Little Salt	LSAM101	C9-10	C9-9	1115.57	1115.39	510.00	4.50	0.00	0.00	0.00	2.87	35.59	1.37	-9E+99	2.32	36.94	11.33	2.52
Little Salt	LSAM102	C9-6	D9-85	1114.50	1114.25	337.00	4.50	0.00	0.00	0.00	3.21	35.64	1.37	-9E+99	3.37	53.56	12.11	2.69
Little Salt	LSAM32	C9-4	C9-3	1131.41	1131.33	150.00	3.00	0.00	0.00	0.00	2.17	6.61	0.76	-9E+99	2.18	15.40	1.56	0.52
Little Salt	LSAM34	C9-3	C9-2	1131.33	1131.09	456.00	3.00	0.00	0.00	0.00	1.91	6.61	0.77	-9E+99	2.16	15.30	1.65	0.55
Little Salt	LSAM33	C9-1	C8-16	1130.84	1130.52	458.00	3.00	0.00	0.00	0.00	2.28	9.08	0.79	-9E+99	2.49	17.63	1.72	0.57
Little Salt	LSAM35	C9-2	C9-1	1131.09	1130.84	475.00	3.00	0.00	0.00	0.00	2.28	9.08	0.79	-9E+99	2.16	15.30	1.65	0.55
Little Salt	LSAM43	C9-14	C9-23	1132.63	1132.35	367.00	2.00	0.00	0.00	0.00	2.01	2.47	0.44	-9E+99	1.99	6.25	0.84	0.42
Little Salt	LSAM38	C9-12	C9-13	1134.03	1133.07	374.00	1.50	0.00	0.00	0.00	2.84	2.47	0.37	-9E+99	3.01	5.32	0.86	0.57
Little Salt	LSAM37	C9-13	C9-14	1133.07	1132.63	543.00	2.00	0.00	0.00	0.00	1.92	2.47	0.45	-9E+99	2.05	6.44	0.86	0.43
Little Salt	LSAM36	C9-23	C9-2	1132.35	1131.09	427.00	2.00	0.00	0.00	0.00	2.51	2.47	0.41	-9E+99	3.91	12.29	1.65	0.83
Little Salt	LSAM39	C9-52	C8-16	1132.37	1130.52	288.00	1.50	0.01	0.00	0.00	0.00	0.00	0.05	-9E+99	4.76	8.42	1.72	0.00

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM41	C9-51	C9-52	1132.79	1132.37	349.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.06	3.64	0.00	0.00
Little Salt	LSAM42	C9-50	C9-51	1133.38	1132.79	493.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.06	3.63	0.00	0.00
Little Salt	LSAM151	C6-180	C6-177	1129.36	1128.85	328.00	3.00	0.00	-0.37	-2.64	2.32	8.80	0.91	-9E+99	3.72	26.30	13.83	4.61
Little Salt	LSAM141	C6-181	C6-180	1129.82	1129.36	378.90	3.00	0.00	-0.56	-4.13	2.77	8.81	0.91	-9E+99	3.29	23.24	13.37	4.46
Little Salt	LSAM143	C6-188	C6-187	1131.61	1131.40	118.40	3.00	0.00	0.08	0.59	1.37	-5.37	0.91	-9E+99	3.97	28.09	11.45	3.82
Little Salt	LSAM142	C6-302	C6-181	1130.05	1129.82	65.00	3.00	0.00	-0.38	-2.81	3.23	7.96	0.91	-9E+99	5.61	39.68	12.97	4.32
Little Salt	LSAM161	C6-186	C6-294	1130.53	1130.58	68.00	3.00	0.00	-0.08	-0.59	0.23	-5.45	0.91	-9E+99	2.56	18.09	12.28	4.09
Little Salt	LSAM175	C6-187	C6-186	1131.40	1130.63	100.40	1.00	0.01	0.70	0.59	1.87	-5.37	0.29	-9E+99	3.97	3.12	12.18	12.18
Little Salt	LSAM144	C6-189	C6-188	1131.05	1131.61	259.16	3.00	0.00	0.00	-0.01	0.08	-5.70	0.91	-9E+99	4.39	31.00	11.80	3.93
Little Salt	LSAM145	C6-190	C6-189	1132.33	1131.61	358.50	3.00	0.00	0.00	0.01	0.08	-4.72	0.90	-9E+99	4.23	29.89	11.24	3.75
Little Salt	LSAM146	C6-191	C6-190	1132.77	1132.33	359.50	3.00	0.00	0.00	0.00	0.08	-3.64	0.91	-9E+99	3.30	23.33	10.52	3.51
Little Salt	LSAM147	C6-192	C6-191	1133.24	1132.77	359.00	3.00	0.00	0.00	0.01	0.07	-2.59	0.91	-9E+99	3.41	24.13	10.08	3.36
Little Salt	LSAM148	C6-193	C6-192	1133.69	1133.24	366.80	3.00	0.00	0.00	0.00	0.06	-1.30	0.91	-9E+99	3.31	23.36	9.61	3.20
Little Salt	LSAM174	C6-169	C6-500	1127.00	1126.50	362.80	3.00	0.00	-0.60	-4.27	1.42	10.27	0.90	-9E+99	3.50	24.76	15.83	5.28
Little Salt	LSAM149	C6-171	C6-169	1127.26	1127.00	198.00	3.00	0.00	-0.54	-3.88	1.42	10.27	0.91	-9E+99	3.42	24.17	15.40	5.13
Little Salt	LSAM158	C6-393	C6-172	1127.77	1133.19	165.50	3.00	-0.03	-1.00	-7.27	1.30	9.40	0.88	-9E+99	17.08	120.70	14.71	4.90
Little Salt	LSAM150	C6-175	C6-393	1128.46	1127.77	530.36	3.00	0.00	-0.55	-3.89	1.51	9.40	0.90	-9E+99	3.40	24.06	14.74	4.91
Little Salt	LSAM166	C6-177	C6-492	1128.85	1131.69	99.23	3.00	-0.03	-0.94	-6.81	1.22	8.80	0.81	-9E+99	15.96	112.84	13.81	4.60
Little Salt	LSAM153	C6-244	C6-349	1127.42	1126.03	400.00	2.50	0.00	-1.31	-6.64	-1.31	-8.47	0.64	-9E+99	4.93	24.18	16.29	6.52
Little Salt	LSAM154	C6-245	C6-244	1127.96	1127.42	400.00	2.50	0.00	-1.52	-7.71	1.73	-8.46	0.75	-9E+99	3.07	15.07	14.76	5.90
Little Salt	LSAM155	C6-246	C6-245	1128.52	1127.96	400.00	2.50	0.00	-1.47	-7.45	1.76	-8.46	0.75	-9E+99	3.13	15.35	14.08	5.63
Little Salt	LSAM156	C6-251	C6-252	1129.62	1129.08	400.00	2.50	0.00	-1.53	-7.69	2.31	-8.25	0.75	-9E+99	3.07	15.07	12.69	5.08
Little Salt	LSAM164	C6-431	C6-432	1131.05	1131.05	17.24	2.50	0.00	0.00	0.00	4.00	19.74	0.76	-9E+99	0.26	1.30	5.15	2.06
Little Salt	LSAM157	C6-172	C6-171	1133.19	1127.26	218.69	3.00	0.03	-0.52	-3.57	3.64	10.27	0.76	-9E+99	15.54	109.83	15.18	5.06
Little Salt	LSAM160	C6-242	C6-499	1131.46	1131.00	450.30	2.50	0.00	-0.02	-0.11	0.48	2.35	0.76	-9E+99	2.67	13.11	5.96	2.38
Little Salt	LSAM163	C6-294	C6-184	1130.58	1130.38	139.00	3.00	0.00	0.36	2.57	2.17	-4.34	0.91	-9E+99	3.58	25.30	12.43	4.14
Little Salt	L1510	C6-184	C6-302	1130.38	1130.05	365.90	3.00	0.00	0.36	2.58	1.53	-7.41	0.91	-9E+99	2.83	20.03	12.75	4.25
Little Salt	LSAM165	C6-252	C6-246	1129.08	1128.52	400.00	2.50	0.00	-1.53	-7.70	2.21	-8.25	0.75	-9E+99	3.13	15.35	13.39	5.35
Little Salt	LSAM167	C6-492	C6-175	1131.69	1128.46	328.10	3.00	0.01	1.01	-6.91	4.82	9.40	0.89	-9E+99	9.36	66.18	14.14	4.72
Little Salt	LSAM173	C6-500	C6-349	1126.50	1126.03	100.00	3.00	0.00	0.75	5.42	1.12	8.11	0.91	-9E+99	6.47	45.73	16.29	5.43
Little Salt	LSAM159	C6-499	C6-431	1131.00	1131.05	256.00	2.50	0.00	-3.60	-17.80	4.11	20.31	0.76	-9E+99	1.17	5.73	5.60	2.24
Little Salt	LSAM168	C6-499	C6-500	1140.00	1128.00	219.00	2.00	0.05	-2.73	-2.72	-2.73	-3.04	0.36	-9E+99	16.86	52.96	14.33	7.16
Little Salt	LSAM169	C6-498	C6-499	1131.36	1131.00	481.00	3.00	0.00	0.00	0.00	2.68	19.05	0.91	-9E+99	2.58	18.25	6.03	2.01
Little Salt	LSAM171	C6-497	C6-498	1131.68	1131.36	434.00	3.00	0.00	0.00	0.00	2.57	18.30	0.91	-9E+99	2.56	18.11	6.03	2.01
Little Salt	LSAM170	C6-496	C6-497	1132.43	1131.68	632.00	3.00	0.00	0.00	0.00	3.00	19.11	0.91	-9E+99	3.25	22.98	5.97	1.99
Little Salt	LSAM172	C6-495	C6-496	1132.75	1132.43	263.00	3.00	0.00	0.00	0.00	3.17	18.85	0.91	-9E+99	3.29	23.27	5.82	1.94
Little Salt	LSAM176	E7-6	E7-7	1163.58	1162.75	427.00	1.50	0.00	0.00	0.00	2.54	2.32	0.38	-9E+99	2.62	4.63	0.85	0.57
Little Salt	LSAM177	E7-7	E7-8	1162.75	1162.19	428.00	1.50	0.00	0.00	0.00	2.25	2.32	0.40	-9E+99	2.15	3.80	0.85	0.57
Little Salt	LSAM178	E7-8	E7-9	1162.19	1161.34	640.00	1.50	0.00	0.00	0.00	2.27	2.32	0.40	-9E+99	2.17	3.83	0.85	0.57
Little Salt	LSAM179	E7-9	E7-10	1161.34	1160.40	521.00	1.50	0.00	0.00	0.00	2.55	2.32	0.38	-9E+99	2.52	4.46	0.77	0.51
Little Salt	LSAM180	E7-10	E7-11	1160.40	1159.81	327.00	1.50	0.00	0.00	0.00	2.55	2.31	0.38	-9E+99	2.52	4.46	0.77	0.51
Little Salt	LSAM181	E7-11	E7-12	1159.81	1159.16	360.00	1.50	0.00	0.00	0.00	2.55	2.31	0.38	-9E+99	2.53	4.46	0.77	0.51
Little Salt	LSAM182	E7-12	E7-13	1159.16	1158.50	365.00	1.50	0.00	0.00	0.00	2.55	2.31	0.38	-9E+99	2.53	4.47	0.77	0.51
Little Salt	LSAM183	E7-13	E7-14	1158.50	1158.10	222.00	1.50	0.00	0.00	0.00	2.55	2.31	0.38	-9E+99	2.52	4.46	0.77	0.51
Little Salt	LSAM184	E7-14	E7-15	1158.10	1156.99	614.00	1.50	0.00	0.00	0.00	2.55	2.31	0.38	-9E+99	2.53	4.47	0.77	0.52

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM185	E7-15	E7-16	1156.99	1155.89	609.00	1.50	0.00	0.00	0.00	2.50	2.31	0.38	-9E+99	2.53	4.46	0.85	0.57
Little Salt	LSAM186	E7-16	E7-17	1155.89	1154.83	590.00	1.50	0.00	0.00	0.00	2.44	2.31	0.38	-9E+99	2.52	4.45	0.85	0.57
Little Salt	LSAM187	E7-17	E7-18	1154.83	1151.16	35.00	1.50	0.10	0.00	0.00	8.55	2.31	0.18	-9E+99	19.25	34.01	0.70	0.47
Little Salt	LSAM400	E7-18	D7-458	1151.16	1150.88	110.00	1.50	0.00	0.00	0.00	2.85	2.31	0.36	-9E+99	3.00	5.30	0.72	0.48
Little Salt	LSAM198	D7-451	D7-452	1142.19	1141.53	106.00	1.75	0.01	0.00	0.00	3.29	2.31	0.32	-9E+99	5.20	12.50	0.96	0.55
Little Salt	LSAM188	D7-450	D7-451	1142.91	1142.19	600.00	1.75	0.00	0.00	0.00	2.17	2.31	0.41	-9E+99	2.28	5.49	0.83	0.47
Little Salt	LSAM189	D7-448	D7-449	1144.35	1143.63	600.00	1.75	0.00	0.00	0.00	2.18	2.31	0.41	-9E+99	2.28	5.49	0.80	0.46
Little Salt	LSAM191	D7-446	D7-447	1145.55	1145.01	450.00	1.75	0.00	0.00	0.00	2.18	2.31	0.41	-9E+99	2.28	5.49	0.79	0.45
Little Salt	LSAM192	D7-445	D7-446	1146.09	1145.55	444.00	1.75	0.00	0.00	0.00	2.19	2.31	0.41	-9E+99	2.30	5.53	0.79	0.45
Little Salt	LSAM193	D7-458	D7-459	1150.88	1149.63	545.00	1.50	0.00	0.00	0.00	2.79	2.31	0.36	-9E+99	2.85	5.03	0.72	0.48
Little Salt	LSAM194	D7-459	D7-460	1149.63	1148.36	550.00	1.50	0.00	0.00	0.00	2.79	2.31	0.36	-9E+99	2.86	5.05	0.73	0.49
Little Salt	LSAM196	D7-460	D7-461	1148.36	1147.21	500.00	1.50	0.00	0.00	0.00	2.75	2.31	0.37	-9E+99	2.85	5.04	0.73	0.49
Little Salt	LSAM195	D7-461	D7-445	1147.21	1146.09	377.00	1.50	0.00	0.00	0.00	2.98	2.31	0.35	-9E+99	3.24	5.73	0.79	0.53
Little Salt	LSAM363	D7-453	D8-218	1141.27	1140.44	488.00	1.75	0.00	0.00	0.00	2.48	2.31	0.38	-9E+99	2.72	6.53	0.72	0.41
Little Salt	LSAM190	D7-447	D7-448	1145.01	1144.35	550.00	1.75	0.00	0.00	0.00	2.18	2.31	0.41	-9E+99	2.28	5.49	0.79	0.45
Little Salt	LSAM199	D7-449	D7-450	1143.63	1142.91	600.00	1.75	0.00	0.00	0.00	2.16	2.31	0.41	-9E+99	2.28	5.49	0.83	0.47
Little Salt	LSAM197	D7-452	D7-453	1141.53	1141.27	558.00	1.75	0.00	0.00	0.00	1.77	2.31	0.45	-9E+99	1.42	3.42	0.96	0.55
Little Salt	LSAM215	D7-267	D7-418	1139.75	1139.40	450.20	1.75	0.00	0.00	0.00	2.49	5.96	0.53	-9E+99	1.84	4.42	1.80	1.03
Little Salt	LSAM200	D7-247	D7-267	1140.02	1139.75	372.00	1.75	0.00	0.00	0.00	2.37	5.96	0.53	-9E+99	1.77	4.27	2.02	1.15
Little Salt	LSAM205	D7-197	D7-208	1144.58	1143.29	380.00	1.50	0.00	0.00	0.00	3.76	4.46	0.43	-9E+99	3.46	6.12	0.96	0.64
Little Salt	LSAM206	D7-142	D7-197	1145.87	1144.58	360.00	1.50	0.00	0.00	0.00	3.84	4.46	0.42	-9E+99	3.56	6.29	0.96	0.64
Little Salt	LSAM202	D7-208	D7-237	1143.29	1141.77	380.00	1.50	0.00	0.00	0.00	3.96	4.46	0.42	-9E+99	3.76	6.64	1.01	0.67
Little Salt	LSAM203	D7-239	D7-238	1141.01	1140.62	195.85	1.75	0.00	0.00	0.00	2.88	4.45	0.53	-9E+99	2.94	7.07	1.53	0.88
Little Salt	LSAM218	D7-237	D7-456	1141.77	1141.27	163.00	1.75	0.00	0.00	0.00	3.18	4.45	0.48	-9E+99	3.65	8.78	1.26	0.72
Little Salt	L1500	D7-264	D8-24	1138.73	1138.56	117.60	1.75	0.00	0.00	0.00	3.02	7.18	0.53	-9E+99	2.50	6.02	1.69	0.97
Little Salt	LSAM204	D7-238	D7-247	1140.62	1140.02	178.65	1.75	0.00	-0.04	-0.03	2.71	4.45	0.52	-9E+99	3.82	9.18	2.02	1.15
Little Salt	LSAM207	D7-283	D7-142	1146.62	1145.87	219.85	1.50	0.00	0.00	0.00	3.79	4.46	0.43	-9E+99	3.47	6.14	0.95	0.63
Little Salt	LSAM208	D7-281	D7-283	1147.34	1146.62	379.00	1.50	0.00	0.00	0.00	2.74	3.10	0.42	-9E+99	2.59	4.58	0.95	0.63
Little Salt	LSAM209	D7-280	D7-281	1148.09	1147.34	375.00	1.50	0.00	0.00	0.00	2.82	3.10	0.42	-9E+99	2.66	4.70	0.91	0.61
Little Salt	LSAM210	D7-279	D7-280	1148.66	1148.09	385.00	1.50	0.00	0.00	0.00	2.57	3.10	0.43	-9E+99	2.29	4.04	0.98	0.65
Little Salt	LSAM211	D7-278	D7-279	1150.61	1148.66	380.00	1.50	0.01	0.00	0.00	3.85	3.10	0.36	-9E+99	4.26	7.52	0.98	0.65
Little Salt	LSAM212	D7-415	D7-264	1138.75	1138.73	133.00	1.75	0.00	0.00	0.00	2.88	7.18	0.53	-9E+99	0.81	1.94	1.93	1.10
Little Salt	LSAM213	D7-416	D7-415	1139.13	1138.75	227.00	2.25	0.00	0.00	0.00	2.41	7.18	0.68	-9E+99	3.19	12.67	1.93	0.86
Little Salt	LSAM214	D7-417	D7-416	1139.29	1139.13	98.00	2.25	0.00	0.00	0.00	2.70	7.18	0.67	-9E+99	3.15	12.51	1.68	0.75
Little Salt	LSAM216	D7-418	D7-417	1139.40	1139.29	65.00	2.25	0.00	0.00	0.00	2.81	7.18	0.66	-9E+99	3.20	12.74	1.58	0.70
Little Salt	LSAM217	D7-456	D7-239	1141.27	1141.01	217.00	1.75	0.00	0.00	0.00	2.61	4.45	0.52	-9E+99	2.28	5.48	1.30	0.75
Little Salt	LSAM230	C7-384	C7-396	1128.55	1127.01	403.00	3.50	0.00	0.00	0.00	5.11	20.95	1.05	-9E+99	6.46	62.19	4.25	1.21
Little Salt	LSAM241	C7-385	C7-384	1128.60	1128.55	59.20	3.50	0.00	0.00	0.00	4.82	20.92	1.06	-9E+99	3.04	29.24	2.84	0.81
Little Salt	LSAM231	C7-396	C7-383	1127.01	1126.70	346.00	3.50	0.00	0.00	0.00	3.37	21.06	1.06	-9E+99	3.13	30.12	4.41	1.26
Little Salt	LSAM242	C7-387	C7-386	1129.09	1128.98	107.00	3.50	0.00	0.00	0.00	3.61	20.89	1.05	-9E+99	3.35	32.26	2.67	0.76
Little Salt	LSAM240	C7-386	C7-385	1128.98	1128.60	503.00	3.50	0.00	0.00	0.00	3.71	20.90	1.06	-9E+99	2.87	27.65	2.81	0.80
Little Salt	LSAM243	C7-395	C7-387	1129.32	1129.09	265.00	3.50	0.00	0.00	0.00	3.47	20.63	1.05	-9E+99	3.08	29.64	2.61	0.75
Little Salt	LSAM244	C7-390	C7-395	1129.69	1129.32	277.00	3.50	0.00	0.00	0.00	3.62	20.66	1.02	-9E+99	3.82	36.77	2.52	0.72
Little Salt	LSAM245	C7-391	C7-390	1129.90	1129.69	275.00	3.50	0.00	0.00	0.00	3.48	20.70	1.01	-9E+99	2.89	27.80	2.32	0.66
Little Salt	LSAM246	C6-448	C7-391	1129.92	1129.90	89.00	3.50	0.00	0.00	0.00	3.33	20.72	1.02	-9E+99	1.57	15.08	2.35	0.67

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM247	C6-449	C6-448	1130.03	1129.92	62.00	3.00	0.00	0.00	0.00	3.85	20.72	0.91	-9E+99	3.97	28.09	2.35	0.78
Little Salt	LSAM248	C6-450	C6-449	1130.13	1130.03	45.40	3.00	0.00	0.00	0.00	3.94	20.73	0.90	-9E+99	4.43	31.30	2.30	0.77
Little Salt	LSAM221	C7-185	C7-194	1129.18	1128.73	351.00	2.50	0.00	0.00	0.00	2.36	3.19	0.71	-9E+99	2.99	14.69	1.98	0.79
Little Salt	LSAM228	C7-194	C7-232	1128.73	1128.28	351.00	2.50	0.00	0.00	0.00	2.33	3.34	0.75	-9E+99	2.99	14.69	2.41	0.96
Little Salt	LSAM225	C7-165	C7-166	1132.96	1132.49	394.00	2.25	0.00	0.00	0.00	1.34	0.50	0.21	-9E+99	2.69	10.70	0.34	0.15
Little Salt	LSAM222	C7-167	C7-170	1131.92	1131.32	290.00	2.50	0.00	0.00	0.00	1.55	0.50	0.18	-9E+99	3.80	18.66	0.39	0.15
Little Salt	LSAM237	C7-170	C7-316	1131.32	1130.89	334.00	2.50	0.00	-0.38	-0.27	0.95	0.50	0.31	-9E+99	3.00	14.72	0.71	0.29
Little Salt	LSAM232	C7-175	C7-281	1130.67	1130.45	108.00	2.50	0.00	0.00	0.00	2.63	3.19	0.43	-9E+99	3.77	18.51	0.81	0.33
Little Salt	LSAM223	C7-184	C7-185	1129.61	1129.18	328.00	2.50	0.00	0.00	0.00	2.39	3.15	0.61	-9E+99	3.03	14.85	1.56	0.62
Little Salt	LSAM234	C7-182	C7-183	1130.00	1129.64	246.00	2.50	0.00	0.00	0.00	2.16	3.17	0.54	-9E+99	3.20	15.69	1.24	0.50
Little Salt	LSAM227	C7-166	C7-167	1132.49	1131.92	322.00	2.50	0.00	0.00	0.00	1.54	0.50	0.19	-9E+99	3.52	17.26	0.30	0.12
Little Salt	LSAM226	C7-164	C7-165	1133.15	1132.96	132.00	2.25	0.00	0.00	0.00	1.42	0.50	0.20	-9E+99	2.96	11.75	0.34	0.15
Little Salt	LSAM229	C7-233	C7-380	1127.83	1125.73	353.00	2.50	0.01	0.00	0.00	3.56	3.80	0.75	-9E+99	6.44	31.64	4.92	1.97
Little Salt	LSAM233	C7-281	C7-182	1130.45	1130.00	314.00	2.50	0.00	0.00	0.00	2.38	3.18	0.46	-9E+99	3.16	15.53	0.98	0.39
Little Salt	LSAM224	C7-183	C7-184	1129.64	1129.61	335.00	2.50	0.00	0.00	0.00	1.76	3.16	0.62	-9E+99	0.79	3.88	1.24	0.50
Little Salt	LSAM236	C7-176	C7-233	1128.10	1127.83	149.00	2.50	0.00	0.00	0.00	2.82	3.65	0.76	-9E+99	3.56	17.46	2.84	1.14
Little Salt	LSAM238	C7-316	C7-175	1130.89	1130.67	107.00	2.50	0.00	0.00	0.00	2.76	3.19	0.41	-9E+99	3.79	18.60	0.74	0.30
Little Salt	LSAM239	C7-162	C7-164	1133.15	1133.15	276.00	2.25	0.00	0.00	0.00	0.89	0.50	0.27	-9E+99	0.25	0.98	0.46	0.20
Little Salt	LSAM235	C7-232	C7-176	1128.28	1128.10	202.00	2.50	0.00	0.00	0.00	2.28	3.50	0.76	-9E+99	2.49	12.24	2.58	1.03
Little Salt	LSAM249	C7-151	C7-152	1137.74	1137.40	53.00	2.00	0.01	0.00	0.00	4.40	7.18	0.51	-9E+99	5.77	18.12	1.23	0.62
Little Salt	LSAM250	C7-152	C7-155	1137.40	1136.73	325.00	2.00	0.00	0.00	0.00	3.53	7.18	0.56	-9E+99	3.27	10.27	1.24	0.62
Little Salt	LSAM251	C7-155	C7-158	1136.73	1136.06	327.00	2.00	0.00	0.00	0.00	3.52	7.18	0.56	-9E+99	3.26	10.24	1.24	0.62
Little Salt	LSAM252	C7-158	C7-159	1136.06	1135.38	335.00	2.00	0.00	0.00	0.00	3.53	7.18	0.56	-9E+99	3.24	10.19	1.24	0.62
Little Salt	LSAM253	C7-159	C7-398	1135.38	1134.71	320.00	2.00	0.00	0.00	0.00	3.67	7.18	0.55	-9E+99	3.29	10.35	1.22	0.61
Little Salt	LSAM254	C7-398	C8-50	1134.71	1134.51	34.50	2.00	0.01	0.00	0.00	4.66	7.18	0.49	-9E+99	5.48	17.22	1.06	0.53
Little Salt	LSAM255	C7-33	C7-30	1140.20	1139.90	187.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.38	4.21	-0.41	0.00
Little Salt	LSAM256	C7-30	C7-29	1139.49	1138.96	366.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.26	4.00	0.00	0.00
Little Salt	LSAM257	C7-29	C7-255	1138.96	1138.47	330.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	2.29	4.05	0.00	0.00
Little Salt	LSAM258	C7-255	C6-452	1138.47	1138.42	33.00	0.67	0.00	0.00	0.00	0.00	0.00	0.00	-9E+99	1.35	0.48	0.00	0.00
Little Salt	LSAM262	C7-314	C7-313	1125.47	1125.32	363.72	4.00	0.00	0.00	0.00	2.20	14.10	1.01	-9E+99	2.32	29.17	2.05	0.51
Little Salt	L1499	C7-343	C-11	1125.54	1125.00	100.00	4.00	0.01	0.00	0.00	6.33	18.66	0.65	-9E+99	8.40	105.56	1.14	0.29
Little Salt	LSAM281	C7-309	C7-343	1124.57	1125.54	82.12	4.00	-0.01	-2.48	-15.11	2.83	18.66	1.01	-9E+99	12.42	156.12	2.11	0.53
Little Salt	LSAM282	C7-310	C7-309	1124.74	1124.57	468.03	4.00	0.00	-1.04	-2.09	2.05	14.10	1.04	-9E+99	2.18	27.38	2.18	0.55
Little Salt	LSAM259	C7-311	C7-310	1124.92	1124.74	449.01	4.00	0.00	-0.75	-0.69	2.09	14.10	1.03	-9E+99	2.29	28.76	2.15	0.54
Little Salt	LSAM260	C7-312	C7-311	1125.12	1124.92	499.01	4.00	0.00	0.00	0.00	2.13	14.10	1.02	-9E+99	2.29	28.76	2.11	0.53
Little Salt	LSAM261	C7-313	C7-312	1125.32	1125.12	499.02	4.00	0.00	0.00	0.00	2.17	14.10	1.02	-9E+99	2.29	28.76	2.08	0.52
Little Salt	LSAM266	C7-307	C7-308	1127.03	1126.58	299.50	1.50	0.00	0.00	0.00	2.45	2.20	0.38	-9E+99	2.30	4.07	0.79	0.53
Little Salt	LSAM263	C7-306	C7-307	1127.63	1127.03	398.90	1.50	0.00	0.00	0.00	2.34	2.20	0.39	-9E+99	2.31	4.07	0.79	0.53
Little Salt	LSAM264	C7-305	C7-306	1128.10	1127.63	313.03	1.50	0.00	0.00	0.00	2.35	2.20	0.39	-9E+99	2.30	4.07	0.79	0.52
Little Salt	LSAM265	C7-304	C7-305	1128.63	1128.10	327.34	1.50	0.00	0.00	0.00	2.40	2.20	0.38	-9E+99	2.39	4.23	0.79	0.52
Little Salt	LSAM290	C7-303	C7-304	1129.03	1128.63	401.96	1.50	0.00	0.00	0.00	2.09	2.20	0.41	-9E+99	1.88	3.31	0.88	0.58
Little Salt	LSAM283	C7-308	C7-309	1126.58	1124.57	128.38	1.50	0.02	0.00	0.00	3.70	2.20	0.28	-9E+99	7.44	13.14	2.18	1.45
Little Salt	LSAM284	C7-375	C8-44	1122.98	1122.89	107.66	4.00	0.00	0.00	0.00	2.99	28.66	1.22	-9E+99	3.30	41.53	6.73	1.68
Little Salt	LSAM267	C7-376	C7-375	1123.22	1122.98	435.27	4.00	0.00	0.00	0.00	2.95	26.77	1.22	-9E+99	2.68	33.73	6.67	1.67
Little Salt	LSAM268	C7-377	C7-376	1123.48	1123.22	434.05	4.00	0.00	0.00	0.00	2.95	26.61	1.27	-9E+99	2.80	35.16	6.55	1.64

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM269	C7-378	C7-377	1124.55	1123.48	444.06	3.50	0.00	0.00	0.00	4.26	26.52	1.07	-9E+99	5.13	49.39	6.41	1.83
Little Salt	LSAM270	C7-379	C7-378	1125.14	1124.55	454.06	3.50	0.00	0.00	0.00	4.10	26.34	1.07	-9E+99	3.77	36.27	5.59	1.60
Little Salt	LSAM271	C7-380	C7-379	1125.73	1125.14	457.06	3.50	0.00	0.00	0.00	4.00	26.05	1.06	-9E+99	3.76	36.15	5.25	1.50
Little Salt	LSAM272	C7-381	C7-380	1126.04	1125.73	346.04	3.50	0.00	-0.47	-0.33	3.41	22.00	1.06	-9E+99	3.13	30.11	4.92	1.41
Little Salt	LSAM276	C7-382	C7-276	1126.35	1126.21	155.92	3.50	0.00	0.00	0.00	3.39	21.46	1.06	-9E+99	3.13	30.15	4.67	1.33
Little Salt	LSAM273	C7-383	C7-382	1126.70	1126.35	381.46	3.50	0.00	0.00	0.00	3.38	21.15	1.06	-9E+99	3.17	30.48	4.60	1.31
Little Salt	LSAM274	C7-231	C6-251	1130.13	1129.62	493.91	2.50	0.00	-1.71	-8.59	1.90	-9.43	0.75	-9E+99	2.69	13.18	12.01	4.80
Little Salt	LSAM275	C7-276	C7-381	1126.21	1126.04	186.83	3.50	0.00	-0.27	-0.06	3.40	21.71	1.06	-9E+99	3.15	30.35	4.76	1.36
Little Salt	LSAM292	C7-338	C7-231	1130.56	1130.13	400.18	2.00	0.00	-2.64	-8.53	-2.64	-9.43	0.59	-9E+99	2.36	7.42	11.29	5.64
Little Salt	LSAM277	C7-339	C7-338	1131.04	1130.56	397.99	2.00	0.00	-2.70	-8.71	-2.70	-8.75	0.60	-9E+99	2.50	7.86	10.28	5.14
Little Salt	LSAM278	C7-340	C7-339	1131.58	1131.04	446.74	2.00	0.00	-2.75	-8.84	-2.75	-8.84	0.58	-9E+99	2.50	7.87	9.25	4.62
Little Salt	LSAM279	C7-341	C7-340	1132.00	1131.58	346.27	2.00	0.00	-2.82	-9.02	-2.82	-9.02	0.59	-9E+99	2.51	7.88	8.10	4.05
Little Salt	3183.1	C-11	N1475	0.00	0.00	33.00	0.16	0.00	0.00	0.00	0.00	36.75	0.00	-9E+99	0.00	0.00	-9.00E+99	0.00
Little Salt	C-11 Pump	C-11	N1475	0.00	0.00	33.00	0.16	0.00	0.00	0.00	0.00	36.75	0.00	-9E+99	0.00	0.00	-9.00E+99	0.00
Little Salt	LSAM285	C7-431	C6-495	1132.96	1132.75	219.11	2.50	0.00	0.00	0.00	3.81	18.84	0.76	-9E+99	2.59	12.70	5.98	2.39
Little Salt	LSAM286	C7-430	C7-431	1133.72	1132.96	710.27	3.00	0.00	0.00	0.00	3.08	19.43	0.91	-9E+99	3.09	21.82	5.98	1.99
Little Salt	LSAM291	C7-429	C7-430	1134.52	1133.72	737.81	3.00	0.00	0.00	0.00	3.24	21.93	0.91	-9E+99	3.11	21.96	6.59	2.20
Little Salt	LSAM287	C7-428	C7-429	1134.96	1134.52	420.60	3.00	0.00	0.00	0.00	4.03	29.24	0.91	-9E+99	3.05	21.57	7.12	2.37
Little Salt	LSAM289	C7-427	C7-428	1135.35	1134.96	358.36	3.00	0.00	0.00	0.00	4.61	32.87	0.91	-9E+99	3.11	22.00	7.12	2.37
Little Salt	L1498	C7-427	C7-341	1135.35	1132.00	408.80	2.00	0.01	-3.28	-10.44	4.76	-12.63	0.51	-9E+99	6.52	20.48	7.23	3.61
Little Salt	LSAM297	C8-4	C8-90	1126.92	1126.54	442.00	3.00	0.00	-0.02	-0.01	3.27	10.96	0.73	-9E+99	2.77	19.56	1.48	0.49
Little Salt	LSAM299	C8-16	C8-15	1130.52	1130.35	492.00	3.00	0.00	0.00	0.00	2.18	9.08	0.81	-9E+99	1.75	12.40	1.72	0.57
Little Salt	LSAM298	C8-12	C8-11	1129.65	1129.30	404.00	3.00	0.00	0.00	0.00	2.52	9.08	0.76	-9E+99	2.78	19.63	1.59	0.53
Little Salt	LSAM301	C8-11	C8-10	1129.30	1129.09	429.00	3.00	0.00	0.00	0.00	2.39	9.08	0.78	-9E+99	2.09	14.76	1.59	0.53
Little Salt	LSAM302	C8-10	C8-9	1129.09	1128.82	394.00	3.00	0.00	0.00	0.00	2.53	9.08	0.76	-9E+99	2.47	17.46	1.52	0.51
Little Salt	LSAM311	C8-9	C8-115	1128.82	1128.69	171.00	3.00	0.00	0.00	0.00	2.55	9.08	0.75	-9E+99	2.60	18.39	1.51	0.51
Little Salt	LSAM307	C8-71	C8-4	1127.06	1126.92	107.00	3.00	0.00	0.00	0.00	3.20	10.96	0.74	-9E+99	3.41	24.13	1.48	0.49
Little Salt	LSAM293	C8-90	C7-314	1126.54	1125.47	89.89	3.00	0.01	0.00	0.00	5.49	14.10	0.62	-9E+99	10.30	72.77	2.03	0.68
Little Salt	LSAM313	C8-13	C8-12	1129.88	1129.65	446.00	3.00	0.00	0.00	0.00	2.41	9.08	0.77	-9E+99	2.14	15.15	1.58	0.53
Little Salt	LSAM312	C8-14	C8-13	1130.12	1129.88	450.00	3.00	0.00	0.00	0.00	2.35	9.08	0.78	-9E+99	2.18	15.40	1.61	0.54
Little Salt	LSAM300	C8-15	C8-14	1130.35	1130.12	450.00	3.00	0.00	0.00	0.00	2.30	9.08	0.79	-9E+99	2.13	15.08	1.64	0.55
Little Salt	LSAM303	C8-92	C8-8	1128.63	1128.53	142.00	3.00	0.00	0.00	0.00	2.52	9.08	0.76	-9E+99	2.50	17.70	1.52	0.51
Little Salt	LSAM306	C8-7	C8-6	1128.19	1127.76	500.00	3.00	0.00	0.00	0.00	2.55	9.08	0.75	-9E+99	2.77	19.56	1.58	0.53
Little Salt	LSAM305	C8-6	C8-122	1127.76	1127.69	220.00	3.00	0.00	-0.92	-0.50	2.43	9.08	0.77	-9E+99	1.68	11.90	1.58	0.53
Little Salt	LSAM308	C8-5	C8-71	1127.34	1127.06	330.00	3.00	0.00	0.00	0.00	3.02	10.96	0.76	-9E+99	2.75	19.43	1.54	0.51
Little Salt	LSAM309	C8-122	C8-5	1127.69	1127.34	280.00	3.00	0.00	0.00	0.00	3.12	10.96	0.75	-9E+99	3.34	23.58	1.54	0.51
Little Salt	LSAM310	C8-115	C8-92	1128.69	1128.63	74.00	3.00	0.00	0.00	0.00	2.54	9.08	0.75	-9E+99	2.69	18.99	1.52	0.51
Little Salt	LSAM304	C8-8	C8-7	1128.53	1128.19	500.00	3.00	0.00	0.00	0.00	2.52	9.08	0.76	-9E+99	2.46	17.39	1.52	0.51
Little Salt	LSAM314	C8-44	C8-43	1122.89	1122.67	359.74	4.00	0.00	0.00	0.00	2.94	27.38	1.22	-9E+99	2.83	35.52	6.85	1.71
Little Salt	LSAM315	C8-43	C8-42	1122.67	1122.45	360.00	4.00	0.00	0.00	0.00	2.93	27.03	1.22	-9E+99	2.83	35.51	6.97	1.74
Little Salt	LSAM316	C8-42	C8-41	1122.45	1122.23	364.31	4.00	0.00	0.00	0.00	2.92	27.09	1.22	-9E+99	2.81	35.30	7.10	1.77
Little Salt	LSAM317	C8-41	C8-40	1122.23	1122.21	39.60	4.00	0.00	0.00	0.00	2.92	26.94	1.22	-9E+99	2.57	32.28	7.10	1.78
Little Salt	LSAM318	C8-40	C8-39	1122.21	1121.93	461.09	4.00	0.00	0.00	0.00	2.92	26.97	1.22	-9E+99	2.82	35.40	7.26	1.82
Little Salt	LSAM319	C8-39	C8-38	1121.93	1121.62	515.00	4.00	0.00	0.00	0.00	2.90	27.05	1.22	-9E+99	2.80	35.24	7.43	1.86
Little Salt	LSAM320	C8-38	C8-37	1121.62	1121.31	515.00	4.00	0.00	0.00	0.00	2.89	27.00	1.22	-9E+99	2.80	35.24	7.60	1.90

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM321	C8-37	C8-36	1121.31	1121.00	510.00	4.00	0.00	0.00	0.00	2.89	26.98	1.22	-9E+99	2.82	35.41	7.77	1.94
Little Salt	LSAM322	C8-36	C8-35	1121.00	1120.69	515.32	4.00	0.00	0.00	0.00	2.87	27.05	1.22	-9E+99	2.80	35.23	7.94	1.99
Little Salt	LSAM323	C8-35	C8-34	1120.69	1120.64	90.66	4.00	0.00	0.00	0.00	2.88	26.99	1.22	-9E+99	2.68	33.73	7.97	1.99
Little Salt	LSAM324	C8-34	C8-33	1120.64	1120.36	469.02	4.00	0.00	0.00	0.00	2.88	26.96	1.22	-9E+99	2.79	35.10	8.12	2.03
Little Salt	LSAM325	C8-33	C8-32	1120.36	1120.07	475.00	4.00	0.00	0.00	0.00	2.89	27.00	1.22	-9E+99	2.82	35.49	8.28	2.07
Little Salt	LSAM326	C8-32	C8-31	1120.07	1119.77	489.00	4.00	0.00	0.00	0.00	2.91	26.99	1.22	-9E+99	2.83	35.58	8.45	2.11
Little Salt	LSAM327	C8-31	C8-30	1119.77	1119.51	436.00	4.00	0.00	0.00	0.00	2.96	27.00	1.22	-9E+99	2.79	35.08	8.59	2.15
Little Salt	LSAM328	C8-30	C8-29	1119.51	1119.24	440.00	4.00	0.00	0.00	0.00	3.08	26.98	1.22	-9E+99	2.83	35.58	8.75	2.19
Little Salt	LSAM329	C8-29	C8-28	1119.24	1118.48	438.46	4.00	0.00	-0.22	-0.38	3.19	27.01	1.20	-9E+99	4.76	59.80	9.39	2.35
Little Salt	L1505	C8-28	C8-27	1118.48	1118.25	381.54	4.50	0.00	0.00	0.00	2.97	33.36	1.37	-9E+99	3.04	48.28	9.53	2.12
Little Salt	LSAM335	C8-27	C8-26	1118.25	1118.02	380.00	4.50	0.00	0.00	0.00	2.96	33.39	1.37	-9E+99	3.04	48.38	9.67	2.15
Little Salt	LSAM331	C8-25	C8-24	1117.79	1117.74	84.80	4.50	0.00	0.00	0.00	2.94	33.42	1.37	-9E+99	3.00	47.75	9.83	2.19
Little Salt	LSAM332	C8-24	C8-23	1117.74	1117.45	485.88	4.50	0.00	0.00	0.00	2.93	33.43	1.37	-9E+99	3.02	48.04	10.01	2.22
Little Salt	LSAM333	C8-23	C8-22	1117.45	1117.16	490.00	4.50	0.00	0.00	0.00	2.92	33.45	1.37	-9E+99	3.01	47.84	10.18	2.26
Little Salt	LSAM334	C8-22	C8-21	1117.16	1116.87	490.00	4.50	0.00	0.00	0.00	2.92	33.48	1.37	-9E+99	3.01	47.84	10.35	2.30
Little Salt	LSAM337	C8-21	C8-20	1116.87	1116.57	490.00	4.50	0.00	0.00	0.00	2.97	33.52	1.37	-9E+99	3.06	48.66	10.54	2.34
Little Salt	LSAM336	C8-26	C8-25	1118.02	1117.79	380.00	4.50	0.00	0.00	0.00	2.95	33.41	1.37	-9E+99	3.04	48.38	9.81	2.18
Little Salt	LSAM342	C8-20	C8-19	1116.57	1116.07	489.50	4.50	0.00	0.00	0.00	3.16	33.55	1.37	-9E+99	3.95	62.85	10.92	2.43
Little Salt	LSAM341	C8-50	C8-51	1134.51	1134.27	88.00	2.00	0.00	0.00	0.00	4.33	7.18	0.51	-9E+99	3.76	11.81	1.06	0.53
Little Salt	LSAM347	C8-51	C8-49	1134.27	1132.22	353.00	2.00	0.01	0.00	0.00	5.22	7.18	0.47	-9E+99	5.49	17.24	0.92	0.46
Little Salt	LSAM346	C8-49	C8-70	1132.22	1130.84	252.00	2.00	0.01	0.00	0.00	4.93	7.18	0.48	-9E+99	5.33	16.74	1.12	0.56
Little Salt	LSAM343	C8-70	C8-48	1130.84	1129.97	198.00	2.00	0.00	0.00	0.00	3.77	7.18	0.54	-9E+99	4.77	15.00	1.65	0.82
Little Salt	LSAM345	C8-48	C8-102	1129.97	1130.50	217.00	2.00	0.00	-2.43	-5.71	2.77	7.18	0.59	-9E+99	3.56	11.18	1.27	0.63
Little Salt	LSAM344	C8-102	C8-47	1130.50	1127.72	231.00	2.00	0.01	0.00	0.00	6.52	7.18	0.42	-9E+99	7.90	24.82	1.47	0.74
Little Salt	LSAM339	C8-46	C8-45	1125.48	1123.23	450.00	2.00	0.01	0.00	0.00	4.85	7.16	0.60	-9E+99	5.09	16.00	5.08	2.54
Little Salt	LSAM340	C8-47	C8-46	1127.72	1125.48	450.00	2.00	0.00	0.00	0.00	4.87	7.16	0.59	-9E+99	5.08	15.96	3.28	1.64
Little Salt	LSAM338	C8-45	C8-28	1123.23	1118.48	450.00	2.00	0.01	0.00	0.00	5.55	7.16	0.60	-9E+99	7.40	23.24	9.39	4.70
Little Salt	LSAM360	D8-147	D8-149	1126.15	1124.96	336.00	1.50	0.00	0.00	0.00	2.77	1.54	0.45	-9E+99	3.54	6.25	2.29	1.53
Little Salt	LSAM361	D8-149	D8-150	1124.96	1124.61	350.00	1.50	0.00	0.00	0.00	1.84	1.54	0.45	-9E+99	1.88	3.32	2.57	1.71
Little Salt	LSAM358	D8-150	D8-151	1124.61	1124.23	350.00	1.50	0.00	0.00	0.00	1.97	1.68	0.45	-9E+99	1.96	3.46	2.88	1.92
Little Salt	LSAM359	D8-151	D8-163	1124.23	1121.65	294.00	1.50	0.01	0.00	0.00	3.97	2.06	0.45	-9E+99	5.57	9.84	5.39	3.60
Little Salt	LSAM357	D8-163	C8-19	1121.65	1116.28	263.00	1.50	0.02	0.00	0.00	5.00	2.06	0.45	-9E+99	8.49	15.01	10.71	7.14
Little Salt	LSAM356	D8-81	D8-87	1136.25	1132.56	111.00	2.00	0.03	0.00	0.00	1.89	0.10	0.09	-9E+99	13.13	41.25	0.95	0.48
Little Salt	LSAM355	D8-87	D8-185	1132.56	1132.27	182.00	2.00	0.00	0.00	0.00	2.65	3.94	0.49	-9E+99	2.87	9.03	1.00	0.50
Little Salt	LSAM354	D8-185	D8-86	1132.27	1131.99	278.00	2.00	0.00	0.00	0.00	2.58	3.94	0.49	-9E+99	2.29	7.18	1.00	0.50
Little Salt	LSAM353	D8-86	D8-91	1131.99	1131.75	100.00	2.00	0.00	0.00	0.00	3.30	3.94	0.43	-9E+99	3.53	11.08	0.81	0.41
Little Salt	LSAM352	D8-91	D8-141	1131.75	1130.95	267.00	2.00	0.00	0.00	0.00	3.48	3.94	0.42	-9E+99	3.94	12.38	0.79	0.40
Little Salt	LSAM351	D8-141	D8-88	1130.95	1130.55	145.00	2.00	0.00	0.00	0.00	3.40	3.94	0.43	-9E+99	3.78	11.88	0.79	0.40
Little Salt	LSAM350	D8-88	D8-171	1130.55	1129.54	351.00	2.00	0.00	0.00	0.00	3.45	3.94	0.42	-9E+99	3.86	12.14	0.78	0.39
Little Salt	LSAM349	D8-171	D8-89	1129.54	1129.38	56.00	2.00	0.00	0.00	0.00	3.47	3.94	0.42	-9E+99	3.85	12.09	0.78	0.39
Little Salt	LSAM348	D8-89	D9-84	1129.38	1128.13	408.00	2.00	0.00	0.00	0.00	3.41	3.94	0.42	-9E+99	3.99	12.52	0.94	0.47
UNK	LSAM100	C8-19	C9-10	1116.07	1115.57	506.00	4.50	0.00	0.00	0.00	3.07	35.57	1.37	-9E+99	3.89	61.82	11.29	2.51
Little Salt	LSAM362	D8-226	D8-87	1133.24	1132.56	159.00	2.00	0.00	0.00	0.00	3.62	3.84	0.40	-9E+99	4.71	14.79	0.95	0.48
Little Salt	LSAM364	D8-218	D8-219	1140.44	1139.50	550.00	1.75	0.00	0.00	0.00	2.49	2.31	0.38	-9E+99	2.72	6.55	0.72	0.41
Little Salt	LSAM365	D8-219	D8-220	1139.50	1138.57	550.00	1.75	0.00	0.00	0.00	2.48	2.31	0.38	-9E+99	2.71	6.52	0.72	0.41

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Little Salt	LSAM367	D8-220	D8-221	1138.57	1137.63	550.00	1.75	0.00	0.00	0.00	2.48	2.31	0.38	-9E+99	2.72	6.55	0.73	0.42
Little Salt	LSAM368	D8-222	D8-223	1136.74	1135.84	525.00	1.75	0.00	0.00	0.00	2.47	2.31	0.38	-9E+99	2.73	6.56	0.73	0.42
Little Salt	LSAM366	D8-221	D8-222	1137.63	1136.74	550.00	1.75	0.00	0.00	0.00	2.44	2.31	0.39	-9E+99	2.65	6.37	0.73	0.42
Little Salt	LSAM369	D8-223	D8-224	1135.84	1134.71	525.00	1.75	0.00	0.00	0.00	2.64	2.31	0.37	-9E+99	3.06	7.35	0.77	0.44
Little Salt	LSAM370	D8-224	D8-225	1134.71	1133.81	663.00	1.75	0.00	0.00	0.00	2.25	2.31	0.40	-9E+99	2.43	5.84	0.82	0.47
Little Salt	LSAM371	D8-225	D8-226	1133.81	1133.24	530.00	1.75	0.00	0.00	0.00	2.12	2.31	0.42	-9E+99	2.16	5.20	0.82	0.47
Stevens Creek	LSAM69	D8-230	D9-98	1112.84	1112.09	933.00	6.00	0.00	0.00	0.00	7.28	208.19	1.84	-9E+99	4.25	120.07	17.37	2.90
Stevens Creek	LSAM372	D8-229	D8-230	1112.84	1113.32	173.00	6.00	0.00	-6.25	-178.08	7.36	210.58	1.84	-9E+99	7.89	223.08	17.37	2.90
Stevens Creek	PSC1	SV-MH-85	SV-MH-84	1292.52	1281.52	550.00	1.50	0.02	0.00	0.00	7.97	6.56	0.36	-9E+99	8.41	14.86	0.81	0.54
Stevens Creek	PSC2	SV-MH-84	SV-MH-83	1281.52	1274.32	599.99	1.50	0.01	0.00	0.00	6.72	6.56	0.39	-9E+99	6.51	11.51	0.81	0.54
Stevens Creek	PSC3	SV-MH-83	SV-MH 82	1274.07	1271.87	550.00	1.75	0.00	0.00	0.00	4.43	6.56	0.48	-9E+99	4.17	10.02	1.05	0.60
Stevens Creek	PSC4	SV-MH 82	SV-MH-81	1271.87	1269.67	550.00	1.75	0.00	0.00	0.00	4.38	6.56	0.48	-9E+99	4.17	10.02	1.05	0.60
Stevens Creek	PSC5	SV-MH-81	SV-MH-80	1269.42	1266.42	600.00	2.00	0.01	0.00	0.00	5.45	10.95	0.56	-9E+99	5.09	16.00	1.23	0.61
Stevens Creek	PSC6	SV-MH-80	SV-MH-79	1266.32	1263.32	600.00	2.00	0.01	0.00	0.00	5.48	10.95	0.56	-9E+99	5.09	16.00	1.22	0.61
Stevens Creek	PSC7	SV-MH-79	SV-MH-78	1263.32	1260.82	500.00	2.00	0.01	0.00	0.00	5.48	10.95	0.56	-9E+99	5.09	16.00	1.22	0.61
Stevens Creek	PSC8	SV-MH-78	SV-MH-77	1260.82	1258.32	500.00	2.00	0.01	0.00	0.00	5.48	10.95	0.56	-9E+99	5.09	16.00	1.22	0.61
Stevens Creek	PSC9	SV-MH-77	SV-JSE-5C	1258.32	1255.82	500.00	2.00	0.01	0.00	0.00	5.42	10.95	0.56	-9E+99	5.09	16.00	1.32	0.66
Stevens Creek	PSC10	SV-JSE-5C	SV-MH-76	1255.32	1253.04	600.00	2.50	0.00	0.00	0.00	5.80	22.17	0.75	-9E+99	5.15	25.28	1.82	0.73
Stevens Creek	PSC11	SV-MH-76	SV-MH-75	1253.04	1250.76	600.00	2.50	0.00	0.00	0.00	5.80	22.17	0.75	-9E+99	5.15	25.28	1.83	0.73
Stevens Creek	PSC12	SV-MH-75	SV-MH-74	1250.76	1248.48	600.00	2.50	0.00	0.00	0.00	5.80	22.17	0.75	-9E+99	5.15	25.28	1.83	0.73
Stevens Creek	PSC13	SV-MH-74	SV-MH-73	1248.38	1246.65	455.01	2.50	0.00	0.00	0.00	5.75	22.17	0.75	-9E+99	5.15	25.29	1.88	0.75
Stevens Creek	PSC14	SV-MH-73	SV-MH-72	1246.65	1243.63	795.00	2.50	0.00	0.00	0.00	5.84	23.16	0.75	-9E+99	5.15	25.28	1.88	0.75
Stevens Creek	PSC15	SV-MH-72	SV-MH-71	1243.63	1242.30	350.00	2.50	0.00	0.00	0.00	5.89	23.16	0.75	-9E+99	5.15	25.28	1.88	0.75
Stevens Creek	PSC16	SV-MH-71	SV-MH-70	1242.20	1239.92	600.00	2.50	0.00	0.00	0.00	5.84	23.16	0.75	-9E+99	5.15	25.28	1.89	0.76
Stevens Creek	PSC17	SV-MH-70	SV-MH-69	1239.92	1237.64	600.00	2.50	0.00	0.00	0.00	5.84	23.16	0.75	-9E+99	5.15	25.28	1.89	0.76
Stevens Creek	PSC18	SV-MH-69	SV-MH-68	1237.54	1235.26	600.00	2.50	0.00	0.00	0.00	5.82	23.16	0.75	-9E+99	5.15	25.28	1.93	0.77
Stevens Creek	PSC19	SV-MH-68	SV-MH-67	1235.26	1230.01	699.99	2.50	0.01	0.00	0.00	7.86	25.43	0.71	-9E+99	7.24	35.52	1.57	0.63
Stevens Creek	PSC20	SV-MH-67	SV-MH-66	1230.01	1224.76	700.00	2.50	0.01	0.00	0.00	7.86	25.43	0.71	-9E+99	7.24	35.52	1.57	0.63
Stevens Creek	PSC21	SV-MH-66	SV-MH-65	1224.66	1219.16	500.00	2.50	0.01	0.00	0.00	9.12	25.43	0.66	-9E+99	8.76	43.02	1.38	0.55
Stevens Creek	PSC22	SV-MH-65	SV-MH-64	1218.66	1214.46	1050.00	3.00	0.00	0.00	0.00	6.19	25.43	0.81	-9E+99	5.97	42.18	1.70	0.57
Stevens Creek	PSC23	SV-MH-64	SV-MH-63	1214.36	1210.56	949.99	3.00	0.00	0.00	0.00	6.19	25.43	0.81	-9E+99	5.97	42.18	1.70	0.57
Stevens Creek	PSC24	SV-MH-63	SV-MH-62	1210.46	1206.26	1050.00	3.00	0.00	0.00	0.00	6.24	25.43	0.80	-9E+99	5.97	42.18	1.68	0.56
Stevens Creek	PSC25	SV-MH-62	SV-MH-61	1206.26	1202.20	1014.19	3.00	0.00	0.00	0.00	6.24	25.43	0.80	-9E+99	5.97	42.20	1.70	0.57
Stevens Creek	PSC26	SV-MH-61	SV-MH-60	1202.20	1199.93	568.55	3.00	0.00	0.00	0.00	6.05	25.43	0.81	-9E+99	5.96	42.14	1.95	0.65
Stevens Creek	PSC27	SV-MH-60	SV-MH-59	1199.93	1198.88	420.93	3.00	0.00	0.00	0.00	5.25	25.43	0.86	-9E+99	4.71	33.31	1.95	0.65
Stevens Creek	PSC28	SV-MH-59	SV-MH-58	1198.78	1197.49	514.39	3.00	0.00	0.00	0.00	5.22	25.43	0.86	-9E+99	4.73	33.40	1.96	0.65
Stevens Creek	PSC29	SV-MH-58	SV-MH-57	1197.39	1195.14	900.00	3.00	0.00	0.00	0.00	5.23	26.42	0.88	-9E+99	4.72	33.35	2.02	0.67
Stevens Creek	PSC30	SV-MH-57	SV-MH-56	1195.14	1192.89	901.94	3.00	0.00	0.00	0.00	5.20	26.41	0.88	-9E+99	4.71	33.31	2.07	0.69
Stevens Creek	PSC31	SV-MH-56	SV-MH-55	1192.89	1191.10	714.94	3.00	0.00	0.00	0.00	5.27	27.36	0.88	-9E+99	4.72	33.37	2.07	0.69
Stevens Creek	PSC32	SV-MH-55	SV-MH-54	1191.10	1188.39	1085.06	3.00	0.00	0.00	0.00	5.26	27.36	0.88	-9E+99	4.72	33.33	2.08	0.69
Stevens Creek	PSC33	SV-MH-54	SV-MH-53	1188.39	1185.64	1100.00	3.00	0.00	0.00	0.00	5.26	27.36	0.88	-9E+99	4.72	33.35	2.08	0.69
Stevens Creek	PSC34	SV-MH-53	SV-MH-52	1185.14	1184.17	970.00	3.50	0.00	0.00	0.00	3.70	27.36	1.04	-9E+99	3.31	31.82	2.52	0.72
Stevens Creek	PSC35	SV-MH-52	SV-MH-51	1184.17	1183.47	700.00	3.50	0.00	0.00	0.00	3.77	27.90	1.04	-9E+99	3.31	31.82	2.52	0.72
Stevens Creek	PSC36	SV-MH-51	SV-MH-50	1183.47	1182.77	699.99	3.50	0.00	0.00	0.00	3.82	27.90	1.04	-9E+99	3.31	31.82	2.49	0.71
Stevens Creek	PSC37	SV-MH-50	SV-JSE-4	1182.77	1181.72	1050.01	3.50	0.00	0.00	0.00	4.00	27.90	1.02	-9E+99	3.31	31.82	2.43	0.69

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Stevens Creek	PSC38	SV-JSE-4	SV-MH-49	1181.22	1179.64	750.00	4.00	0.00	0.00	0.00	5.69	46.67	1.13	-9E+99	5.25	65.93	2.49	0.62
Stevens Creek	PSC39	SV-MH-49	SV-MH-48	1179.64	1178.06	750.00	4.00	0.00	0.00	0.00	5.69	46.67	1.13	-9E+99	5.25	65.93	2.49	0.62
Stevens Creek	PSC40	SV-MH-48	SV-MH-47	1178.06	1176.58	702.39	4.00	0.00	0.00	0.00	5.68	46.67	1.13	-9E+99	5.25	65.94	2.49	0.62
Stevens Creek	PSC41	SV-MH-47	SV-MH-46	1176.58	1174.91	797.61	4.00	0.00	0.00	0.00	5.67	46.67	1.13	-9E+99	5.23	65.73	2.49	0.62
Stevens Creek	PSC42	SV-MH-46	SV-MH-45	1174.91	1172.60	1100.00	4.00	0.00	0.00	0.00	5.68	46.67	1.13	-9E+99	5.24	65.83	2.49	0.62
Stevens Creek	PSC43	SV-MH-45	SV-MH-44	1172.60	1170.29	1100.00	4.00	0.00	0.00	0.00	5.66	46.67	1.13	-9E+99	5.24	65.83	2.52	0.63
Stevens Creek	PSC44	SV-MH-44	SV-JSE-3A	1170.29	1167.98	1099.99	4.00	0.00	0.00	0.00	5.68	46.67	1.13	-9E+99	5.24	65.83	2.52	0.63
Stevens Creek	PSC45	SV-JSE-3A	SV-MH-43	1167.48	1165.56	800.00	4.50	0.00	0.00	0.00	6.53	66.37	1.27	-9E+99	6.06	96.34	2.75	0.61
Stevens Creek	PSC46	SV-MH-43	SV-MH-42	1165.56	1163.40	900.01	4.50	0.00	0.00	0.00	6.53	66.37	1.27	-9E+99	6.06	96.34	2.75	0.61
Stevens Creek	PSC47	SV-MH-42	SV-MH-41	1163.40	1161.12	950.00	4.50	0.00	0.00	0.00	6.53	66.37	1.27	-9E+99	6.06	96.34	2.75	0.61
Stevens Creek	PSC48	SV-MH-41	SV-MH-40	1161.12	1158.84	950.00	4.50	0.00	0.00	0.00	6.53	66.37	1.27	-9E+99	6.06	96.34	2.75	0.61
Stevens Creek	PSC49	SV-MH-40	SV-MH-39	1158.84	1156.68	900.00	4.50	0.00	0.00	0.00	6.52	66.37	1.28	-9E+99	6.06	96.34	2.77	0.62
Stevens Creek	PSC50	SV-MH-39	SV-MH-38	1156.68	1154.88	750.00	4.50	0.00	0.00	0.00	6.51	66.34	1.28	-9E+99	6.06	96.34	2.89	0.64
Stevens Creek	PSC51	SV-MH-38	SV-MH-37	1154.88	1153.08	750.00	4.50	0.00	0.00	0.00	6.50	66.25	1.30	-9E+99	6.06	96.34	3.34	0.74
Stevens Creek	PSC52	SV-MH-37	SV-MH-36	1153.08	1151.87	502.68	4.50	0.00	0.00	0.00	6.49	66.02	1.35	-9E+99	6.07	96.48	3.99	0.89
Stevens Creek	PSC53	SV-MH-36	SV-JSE-3B	1151.87	1149.78	870.00	4.50	0.00	0.00	0.00	6.48	65.99	1.34	-9E+99	6.06	96.38	5.23	1.16
Stevens Creek	PSC54	SV-JSE-3B	SV-MH-35	1149.68	1148.13	646.89	4.50	0.00	0.00	0.00	6.52	69.02	1.35	-9E+99	6.05	96.26	6.09	1.35
Stevens Creek	PSC55	SV-MH-35	SV-MH-34	1148.13	1145.52	1087.23	4.50	0.00	0.00	0.00	6.51	69.02	1.34	-9E+99	6.06	96.35	7.37	1.64
Stevens Creek	PSC56	SV-MH-34	SV-MH-33	1145.52	1142.91	1087.22	4.50	0.00	0.00	0.00	6.50	69.73	1.34	-9E+99	6.06	96.35	8.66	1.92
Stevens Creek	PSC57	SV-MH-33	SV-MH-32	1142.91	1142.01	373.59	4.50	0.00	0.00	0.00	6.50	71.06	1.36	-9E+99	6.07	96.52	9.11	2.02
Stevens Creek	PSC58	SV-MH-32	SV-MH-31	1142.01	1141.56	185.61	4.50	0.00	0.00	0.00	6.49	71.15	1.39	-9E+99	6.09	96.83	9.33	2.07
Stevens Creek	PSC59	SV-MH-31	SV-MH-30	1141.56	1139.93	679.85	4.50	0.00	0.00	0.00	6.47	71.19	1.43	-9E+99	6.05	96.29	10.14	2.25
Stevens Creek	PSC60	SV-MH-30	SV-MH-29	1139.93	1138.30	679.84	4.50	0.00	0.00	0.00	6.45	71.27	1.56	-9E+99	6.05	96.29	10.95	2.43
Stevens Creek	PSC61	SV-MH-29	SV-MH-28	1138.30	1137.46	350.68	4.50	0.00	0.00	0.00	6.42	71.34	1.47	-9E+99	6.05	96.24	11.36	2.53
Stevens Creek	PSC62	SV-MH-28	SV-MH-27	1137.46	1134.81	1104.71	4.50	0.00	0.00	0.00	6.37	71.36	1.34	-9E+99	6.06	96.31	12.68	2.82
Stevens Creek	PSC63	SV-MH-27	SV-JSE-2	1134.81	1134.15	274.31	4.50	0.00	0.00	0.00	6.22	71.26	1.37	-9E+99	6.06	96.46	13.01	2.89
Stevens Creek	PSC64	SV-JSE-2	SV-MH-26	1133.66	1132.19	1130.12	5.00	0.00	0.00	0.00	5.20	78.54	1.51	-9E+99	4.78	93.93	13.98	2.80
Stevens Creek	PSC65	SV-MH-26	SV-MH-25	1132.19	1130.68	1164.14	5.00	0.00	0.00	0.00	5.17	78.65	1.51	-9E+99	4.78	93.80	14.48	2.90
Stevens Creek	PSC66	SV-MH-25	SV-MH-24	1130.68	1129.78	694.76	5.00	0.00	0.00	0.00	5.15	78.64	1.52	-9E+99	4.77	93.74	14.77	2.95
Stevens Creek	PSC67	SV-MH-24	SV-MH-23	1129.78	1128.88	694.25	5.00	0.00	0.00	0.00	5.12	78.62	1.52	-9E+99	4.78	93.77	15.06	3.01
Stevens Creek	PSC68	SV-MH-23	SV-MH-22	1128.88	1127.99	686.11	5.00	0.00	0.00	0.00	5.08	78.72	1.52	-9E+99	4.78	93.80	15.35	3.07
Stevens Creek	PSC69	SV-MH-22	SV-MH-21	1127.99	1127.10	686.11	5.00	0.00	0.00	0.00	5.02	78.91	1.52	-9E+99	4.78	93.80	15.65	3.13
Stevens Creek	PSC70	SV-MH-21	SV-MH-20	1127.10	1126.25	711.93	5.00	0.00	0.00	0.00	4.91	79.08	1.52	-9E+99	4.58	89.99	15.88	3.18
Stevens Creek	PSC71	SV-MH-20	SV-MH-19	1126.25	1125.40	711.93	5.00	0.00	0.00	0.00	4.89	79.13	1.52	-9E+99	4.58	89.99	16.11	3.22
Stevens Creek	PSC72	SV-MH-19	SV-MH-18	1125.40	1124.13	1061.82	5.00	0.00	0.00	0.00	4.85	79.42	1.51	-9E+99	4.59	90.07	16.45	3.29
Stevens Creek	PSC73	SV-MH-18	SV-MH-17	1124.13	1122.86	1061.83	5.00	0.00	0.00	0.00	4.79	79.78	1.51	-9E+99	4.59	90.07	16.80	3.36
Stevens Creek	PSC74	SV-MH-17	SV-MH-16	1122.86	1121.59	1061.83	5.00	0.00	0.00	0.00	4.67	79.65	1.50	-9E+99	4.59	90.07	17.15	3.43
Stevens Creek	PSC75	SV-MH-16	SV-MH-15	1121.59	1120.40	989.96	5.00	0.00	0.00	0.00	4.43	79.60	1.51	-9E+99	4.60	90.30	17.48	3.50
Stevens Creek	PSC76	SV-MH-15	SV-JSE-1	1120.40	1120.11	239.82	5.00	0.00	-1.14	-1.71	4.04	79.91	1.52	-9E+99	4.61	90.57	17.56	3.51
Stevens Creek	PSC77	SV-JSE-1	SV-MH-14	1120.11	1119.65	572.70	5.50	0.00	0.00	0.00	4.02	86.14	1.67	-9E+99	4.01	95.17	17.67	3.21
Stevens Creek	PSC78	SV-MH-14	SV-MH13	1119.65	1118.93	899.99	5.50	0.00	0.00	0.00	3.95	86.24	1.67	-9E+99	4.00	94.98	17.82	3.24
Stevens Creek	PSC79	SV-MH13	SV-MH-12	1118.93	1118.25	850.07	5.50	0.00	0.00	0.00	3.89	86.01	1.67	-9E+99	4.00	94.98	17.97	3.27
Stevens Creek	PSC80	SV-MH-12	SV-MH-11	1118.25	1117.45	997.69	5.50	0.00	0.00	0.00	3.85	86.25	1.67	-9E+99	4.00	95.09	18.15	3.30
Stevens Creek	PSC81	SV-MH-11	SV-MH-10	1117.45	1116.57	1100.00	5.50	0.00	0.00	0.00	3.74	87.54	1.67	-9E+99	4.00	94.98	18.34	3.34
Stevens Creek	PSC82	SV-MH-10	SV-MH-9	1116.57	1115.73	1050.01	5.50	0.00	-1.25	-6.07	3.63	87.19	1.67	-9E+99	4.00	94.98	18.52	3.37

Table A7 - Pipe Tier 3 Conditions

Basin	Pipe ID	Manhole ID		Invert Elevation (ft)		Length (ft)	Diameter (ft)	Slope (ft/ft)	Minimum Velocity	Minimum Flow	Maximum Velocity	Maximum Flow (cfs)	Maximum Hydraulic	Final Flow (cfs)	Design Velocity	Design Full Flow	Maximum Depth (ft)	Maximum d/D
		Upstream	Downstream	Upstream	Downstream													
Stevens Creek	PSC83	SV-MH-9	SV-MH-8	1115.73	1114.89	1050.00	5.50	0.00	-1.88	-14.87	3.62	86.91	1.67	-9E+99	4.00	94.98	18.71	3.40
Stevens Creek	PSC84	SV-MH-8	SV-E8-1	1114.89	1114.10	987.82	5.50	0.00	-2.77	-27.68	3.66	87.80	1.67	-9E+99	4.00	94.97	18.88	3.43
Stevens Creek	PSC86	SV-E8-2	D8-229	1113.81	1113.24	715.69	6.00	0.00	0.00	0.00	7.05	201.86	1.84	-9E+99	4.23	119.52	18.37	3.06
Stevens Creek	PSC85	SV-E8-1	SV-E8-2	1114.10	1113.81	366.69	6.00	0.00	0.00	0.00	7.04	201.86	1.84	-9E+99	4.21	119.10	18.88	3.15
UNK	L1501	D8-24	D8-25	1138.56	1138.45	86.19	1.75	0.00	0.00	0.00	3.07	7.18	0.53	-9E+99	2.35	5.66	1.65	0.94
UNK	L1502	D8-25	D8-187	1138.45	1138.22	208.96	1.75	0.00	0.00	0.00	3.15	7.18	0.53	-9E+99	2.19	5.26	1.60	0.91
UNK	L1503	D8-187	D7-403	1138.22	1138.02	200.02	1.75	0.00	0.00	0.00	3.55	7.18	0.53	-9E+99	2.08	5.01	1.42	0.81
UNK	L1504	D7-403	C7-151	1138.02	1137.74	49.67	1.75	0.01	0.00	0.00	5.09	7.18	0.47	-9E+99	4.95	11.90	1.01	0.58
UNK	L1507	N1474	A5-42	1142.42	1142.42	404.00	0.67	0.00	0.00	0.00	3.70	1.34	0.17	-9E+99	0.11	0.04	5.00	7.46
UNK	Existing	N1475	C7-427	1130.00	1136.35	625.25	2.00	-0.01	-5.78	-18.54	6.77	22.01	0.60	-9E+99	7.26	22.80	12.20	6.10
UNK	Future	N1475	C7-427	1125.00	1135.35	625.25	3.00	-0.02	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
UNK	OAK-S1-1	N1477	B6-2942	1107.50	1121.50	220.51	2.50	-0.06	-3.86	-19.39	4.47	22.60	0.74	-9E+99	21.05	103.35	16.31	6.52
UNK	OAK-S2-1	N1477	B6-2942	1107.50	1121.50	220.51	2.00	-0.06	-3.27	-10.74	3.81	-14.53	0.60	-9E+99	18.14	57.00	16.31	8.15
UNK	OAK-S3-1	N1477	B6-2942	1107.50	1121.50	220.50	2.50	-0.06	-3.86	-19.39	4.47	22.60	0.74	-9E+99	21.05	103.35	16.31	6.52
UNK	L1516	N1478	N1479	1136.74	1136.74	179.00	0.67	0.00	-2.35	-0.89	5.39	2.34	0.20	-9E+99	0.11	0.04	26.66	39.97
UNK	L1517	N1479	AA7-21	1136.74	1150.26	15.00	0.67	-0.90	-5.62	-2.34	5.63	2.34	0.17	-9E+99	32.88	11.49	21.84	32.74
UNK	L1519	N1482	N1483	1136.89	1136.89	171.69	1.00	0.00	0.00	0.00	6.55	5.95	0.27	-9E+99	0.14	0.11	26.11	26.11
UNK	L1520	N1483	AA7-22	1136.89	1149.76	15.00	1.00	-0.86	-6.52	-5.78	6.72	5.95	0.25	-9E+99	42.02	33.00	22.40	22.40

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Stevens Creek	SV-E8-1	187370.68	225876.11	1137.75	1114.10	0.00	117.50
Stevens Creek	SV-E8-2	187003.99	225876.11	1136.92	1113.81	0.00	0.00
Stevens Creek	SV-JSE-1	190467.16	219034.45	1145.00	1120.11	0.00	7.45
Stevens Creek	SV-JSE-2	195940.92	210588.10	1166.00	1133.66	0.00	9.21
Stevens Creek	SV-JSE-3A	202381.80	200034.38	1189.00	1167.48	0.00	19.77
Stevens Creek	SV-JSE-3B	198795.70	205055.05	1180.00	1149.68	0.00	3.07
Stevens Creek	SV-JSE-4	204050.89	194749.62	1205.00	1181.22	0.00	18.87
Stevens Creek	SV-JSE-5C	202006.94	177215.16	1273.00	1255.32	0.00	11.23
Stevens Creek	SV-MH 82	201346.45	174117.02	1294.00	1271.87	0.00	0.00
Stevens Creek	SV-MH-10	188572.19	223031.70	1137.00	1116.57	0.00	0.00
Stevens Creek	SV-MH-11	189041.87	222037.01	1139.00	1117.45	0.00	0.00
Stevens Creek	SV-MH-12	189467.86	221134.84	1140.00	1118.25	0.00	0.00
Stevens Creek	SV-MH13	189830.82	220366.15	1141.00	1118.93	0.00	0.00
Stevens Creek	SV-MH-14	190196.41	219552.32	1142.00	1119.65	0.00	0.00
Stevens Creek	SV-MH-15	190562.02	218817.59	1147.00	1120.40	0.00	0.00
Stevens Creek	SV-MH-16	191498.24	218495.86	1147.00	1121.59	0.00	0.00
Stevens Creek	SV-MH-17	192198.18	217697.38	1147.00	1122.86	0.00	0.00
Stevens Creek	SV-MH-18	192898.11	216898.89	1149.00	1124.13	0.00	0.00
Stevens Creek	SV-MH-19	193598.04	216117.97	1152.00	1125.40	0.00	0.00
Stevens Creek	SV-MH-20	193754.81	215430.34	1152.00	1126.25	0.00	0.00
Stevens Creek	SV-MH-21	194208.49	214890.37	1156.00	1127.10	0.00	0.00
Stevens Creek	SV-MH-22	194760.97	214483.53	1157.00	1127.99	0.00	0.00
Stevens Creek	SV-MH-23	195313.45	214076.70	1158.00	1128.88	0.00	0.00
Stevens Creek	SV-MH-24	195759.66	213551.55	1159.00	1129.78	0.00	0.00
Stevens Creek	SV-MH-25	195923.96	212882.30	1160.00	1130.68	0.00	0.00
Stevens Creek	SV-MH-26	195932.57	211718.19	1160.00	1132.19	0.00	0.00
Stevens Creek	SV-MH-27	195942.95	210313.80	1165.00	1134.81	0.00	0.00
Stevens Creek	SV-MH-28	196592.50	209420.23	1166.00	1137.46	0.00	0.00
Stevens Creek	SV-MH-29	196649.60	209074.23	1169.00	1138.30	0.00	0.00
Stevens Creek	SV-MH-30	196972.27	208475.84	1169.00	1139.93	0.00	0.00
Stevens Creek	SV-MH-31	197294.94	207877.44	1172.00	1141.56	0.00	0.00
Stevens Creek	SV-MH-32	197479.60	207858.67	1170.00	1142.01	0.00	0.00
Stevens Creek	SV-MH-33	197580.10	207498.85	1170.00	1142.91	0.00	0.00
Stevens Creek	SV-MH-34	198192.29	206600.37	1172.00	1145.52	0.00	0.00
Stevens Creek	SV-MH-35	198804.48	205701.88	1174.00	1148.13	0.00	0.00
Stevens Creek	SV-MH-36	199673.16	205043.24	1179.00	1151.87	0.00	0.00
Stevens Creek	SV-MH-37	199798.46	204558.43	1179.00	1153.08	0.00	0.00
Stevens Creek	SV-MH-38	199798.46	203808.43	1180.00	1154.88	0.00	0.00
Stevens Creek	SV-MH-39	199798.46	203058.43	1190.00	1156.68	0.00	0.00
Stevens Creek	SV-MH-40	200698.46	203058.43	1183.00	1158.84	0.00	0.00
Stevens Creek	SV-MH-41	201314.46	202335.21	1184.00	1161.12	0.00	0.00
Stevens Creek	SV-MH-42	201930.45	201611.99	1186.00	1163.40	0.00	0.00
Stevens Creek	SV-MH-43	202383.59	200834.38	1190.00	1165.56	0.00	0.00
Stevens Creek	SV-MH-44	202379.34	198934.39	1189.00	1170.29	0.00	0.00
Stevens Creek	SV-MH-45	202376.88	197834.39	1195.00	1172.60	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Stevens Creek	SV-MH-46	202374.42	196734.39	1190.00	1174.91	0.00	0.00
Stevens Creek	SV-MH-47	203172.03	196732.61	1199.00	1176.58	0.00	0.00
Stevens Creek	SV-MH-48	203285.03	196039.37	1200.00	1178.06	0.00	0.00
Stevens Creek	SV-MH-49	203667.96	195394.49	1202.00	1179.64	0.00	0.00
Stevens Creek	SV-MH-50	204063.75	193699.69	1208.00	1182.77	0.00	0.00
Stevens Creek	SV-MH-51	204235.17	193006.80	1209.00	1183.47	0.00	0.00
Stevens Creek	SV-MH-52	204426.00	192333.31	1211.00	1184.17	0.00	0.55
Stevens Creek	SV-MH-53	205366.45	192095.70	1211.00	1185.14	0.00	0.00
Stevens Creek	SV-MH-54	205459.86	190999.67	1216.00	1188.39	0.00	0.00
Stevens Creek	SV-MH-55	205552.01	189918.53	1220.00	1191.10	0.00	0.00
Stevens Creek	SV-MH-56	205505.57	189205.10	1221.00	1192.89	0.00	0.95
Stevens Creek	SV-MH-57	205446.98	188305.07	1225.00	1195.14	0.00	0.00
Stevens Creek	SV-MH-58	205388.51	187406.97	1228.00	1197.39	0.00	0.99
Stevens Creek	SV-MH-59	205727.82	187020.36	1236.00	1198.78	0.00	0.00
Stevens Creek	SV-MH-60	205632.92	186610.27	1222.00	1199.93	0.00	0.00
Stevens Creek	SV-MH-61	205595.23	186042.97	1233.00	1202.20	0.00	0.00
Stevens Creek	SV-MH-62	205704.49	185034.68	1241.00	1206.26	0.00	0.00
Stevens Creek	SV-MH-63	205817.60	183990.79	1244.00	1210.46	0.00	0.00
Stevens Creek	SV-MH-64	205397.52	183138.72	1244.00	1214.36	0.00	0.00
Stevens Creek	SV-MH-65	204347.53	183143.67	1261.00	1218.66	0.00	0.00
Stevens Creek	SV-MH-66	203983.12	182801.32	1258.00	1224.66	0.00	0.00
Stevens Creek	SV-MH-67	203918.12	182104.34	1256.00	1230.01	0.00	0.00
Stevens Creek	SV-MH-68	203853.12	181407.37	1271.00	1235.26	0.00	2.28
Stevens Creek	SV-MH-69	203797.40	180809.96	1272.00	1237.54	0.00	0.00
Stevens Creek	SV-MH-70	203566.00	180256.38	1279.00	1239.92	0.00	0.00
Stevens Creek	SV-MH-71	203334.59	179702.80	1264.00	1242.20	0.00	0.00
Stevens Creek	SV-MH-72	203328.55	179352.85	1263.00	1243.63	0.00	0.00
Stevens Creek	SV-MH-73	203320.87	178907.92	1265.00	1246.65	0.00	0.99
Stevens Creek	SV-MH-74	203313.01	178452.98	1265.00	1248.38	0.00	0.00
Stevens Creek	SV-MH-75	202892.19	178025.30	1271.00	1250.76	0.00	0.00
Stevens Creek	SV-MH-76	202449.56	177620.23	1271.00	1253.04	0.00	0.00
Stevens Creek	SV-MH-77	201984.81	176715.65	1274.00	1258.32	0.00	0.00
Stevens Creek	SV-MH-78	201962.68	176216.14	1281.00	1260.82	0.00	0.00
Stevens Creek	SV-MH-79	201940.55	175716.63	1289.00	1263.32	0.00	0.00
Stevens Creek	SV-MH-8	187746.78	224976.94	1135.00	1114.89	0.00	0.00
Stevens Creek	SV-MH-80	201913.99	175117.22	1289.00	1266.32	0.00	0.00
Stevens Creek	SV-MH-81	201617.88	174595.38	1293.00	1269.42	0.00	4.39
Stevens Creek	SV-MH-83	201075.01	173638.67	1296.00	1274.07	0.00	0.00
Stevens Creek	SV-MH-84	200475.02	173641.09	1303.00	1281.52	0.00	0.00
Stevens Creek	SV-MH-85	199925.02	173643.32	1316.00	1292.52	0.00	6.56
Stevens Creek	SV-MH-9	188159.49	223997.20	1137.00	1115.73	0.00	0.00
Oak Creek	A6-119	147098.71	214321.97	1152.99	1145.49	0.00	0.00
Oak Creek	A6-120	147085.59	214771.86	1155.57	1147.07	0.00	0.00
Oak Creek	A6-121	147088.10	215221.75	1156.54	1148.64	0.00	0.00
Oak Creek	A6-122	147090.61	215671.64	1159.12	1150.22	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Oak Creek	A6-171	152275.94	210788.48	1147.82	1137.82	0.00	0.00
Oak Creek	A6-188	154645.19	212078.09	1144.88	1133.79	0.00	0.00
Oak Creek	A6-189	154150.75	211935.38	1146.22	1134.11	0.00	0.00
Oak Creek	A6-190	153691.58	211807.66	1149.56	1134.36	0.00	0.10
Oak Creek	A6-191	153295.69	211693.31	1147.13	1134.71	0.00	0.00
Oak Creek	A6-192	152757.95	211580.40	1153.80	1134.98	0.00	0.00
Oak Creek	A6-193	152364.37	211550.18	1155.95	1135.28	0.00	0.00
Oak Creek	A6-194	151929.44	211348.66	1152.00	1136.24	0.00	4.60
Oak Creek	A6-195	151446.36	211500.29	1151.79	1136.56	0.00	0.00
Oak Creek	A6-196	150947.55	211680.68	1151.96	1137.17	0.00	0.00
Oak Creek	A6-197	150448.86	211860.80	1152.97	1137.61	0.00	1.00
Oak Creek	A6-198	149818.05	212089.20	1152.33	1138.15	0.00	0.00
Oak Creek	A6-199	149199.62	212378.67	1152.38	1138.90	0.00	0.00
Oak Creek	A6-200	148652.45	212621.03	1152.74	1139.37	0.00	0.00
Oak Creek	A6-201	148082.82	212870.28	1157.13	1139.88	0.00	0.00
Oak Creek	A6-202	147860.31	213259.70	1153.71	1140.22	0.00	0.00
Oak Creek	A6-203	147647.84	213650.79	1154.13	1140.92	0.00	0.00
Oak Creek	A6-204	147109.10	213924.40	1154.40	1141.29	0.00	2.60
Oak Creek	A6-205	146788.43	214131.81	1153.97	1141.52	0.00	0.00
Oak Creek	A6-206	146490.00	214231.67	1154.03	1141.23	0.00	0.00
Oak Creek	A6-207	146170.14	214322.24	1153.87	1142.02	0.00	0.00
Oak Creek	A6-208	145892.59	214516.68	1153.17	1142.17	0.00	0.40
Oak Creek	A6-209	145790.14	214563.90	1154.28	1142.11	0.00	0.60
Oak Creek	A6-210	145804.27	214594.96	1154.00	1145.00	0.00	0.00
Oak Creek	A6-232	145244.47	214837.35	1158.41	1142.35	0.00	0.00
Oak Creek	A6-233	144735.27	215036.31	1161.64	1142.68	0.00	0.00
Oak Creek	A6-7	151944.37	211293.49	1147.00	1130.30	0.00	0.00
Oak Creek	A6-92	145775.74	214609.36	1150.46	1144.46	0.00	0.00
Oak Creek	A7-150	147096.95	216080.79	1161.95	1151.65	0.00	0.00
Oak Creek	A7-151	147132.77	216121.55	1161.29	1151.69	0.00	0.00
Oak Creek	A7-170	147136.95	216582.93	1171.00	1153.30	0.00	0.00
Oak Creek	A7-171	147133.39	216351.03	1168.00	1151.99	0.00	0.00
Oak Creek	A8-278	144669.56	226040.76	1197.32	1184.32	0.00	0.00
Oak Creek	A8-279	144716.79	226453.67	1197.82	1184.82	0.00	0.00
Oak Creek	A8-280	144829.52	226494.81	1198.04	1185.04	0.00	0.00
Oak Creek	A9-113	144726.74	226880.60	1194.60	1185.60	0.00	0.00
Oak Creek	A9-114	144666.46	227401.90	1195.23	1186.23	0.00	4.50
Oak Creek	AA6-66	144296.46	215402.01	1161.22	1143.23	0.00	0.00
Oak Creek	AA6-67	144003.57	215709.43	1152.88	1143.52	0.00	0.00
Oak Creek	AA6-68	143265.54	215707.21	1155.43	1143.79	0.00	0.00
Oak Creek	AA7-10	140904.00	217656.56	1164.01	1149.02	0.00	0.00
Oak Creek	AA7-104	138722.53	218399.60	1164.68	1151.13	0.00	0.00
Oak Creek	AA7-106	138002.33	218192.20	1163.83	1153.07	0.00	0.00
Oak Creek	AA7-107	138003.40	218384.15	1165.06	1153.31	0.00	0.00
Oak Creek	AA7-115	138724.84	218788.71	1164.60	1151.67	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Oak Creek	AA7-116	138004.66	218611.08	1164.84	1153.64	0.00	0.00
Oak Creek	AA7-117	138005.73	218788.09	1164.99	1154.26	0.00	0.00
Oak Creek	AA7-13	140644.06	217704.45	1164.61	1148.99	0.00	0.00
Oak Creek	AA7-135	138006.90	218979.11	1164.69	1154.14	0.00	0.00
Oak Creek	AA7-136	138007.78	219122.12	1164.21	1154.25	0.00	0.00
Oak Creek	AA7-137	138008.54	219247.13	1163.73	1154.42	0.00	0.00
Oak Creek	AA7-139	138735.97	219124.78	1165.53	1152.02	0.00	0.00
Oak Creek	AA7-14	140070.39	217698.89	1164.35	1149.21	0.00	0.00
Oak Creek	AA7-146	138738.30	219469.01	1165.50	1152.36	0.00	0.00
Oak Creek	AA7-148	138009.87	219464.15	1165.40	1154.76	0.00	0.00
Oak Creek	AA7-15	139828.37	217697.38	1164.19	1149.19	0.00	0.00
Oak Creek	AA7-16	138970.78	217706.82	1164.54	1149.94	0.00	0.00
Oak Creek	AA7-193	138749.73	219839.17	1165.96	1152.73	0.00	0.00
Oak Creek	AA7-194	138010.96	219642.17	1164.98	1155.01	0.00	0.00
Oak Creek	AA7-195	138012.37	219868.21	1165.65	1155.32	0.00	0.00
Oak Creek	AA7-2	143206.17	216281.67	1156.11	1147.60	0.00	0.00
Oak Creek	AA7-21	138709.73	217718.72	1164.40	1150.26	0.00	0.70
Oak Creek	AA7-22	138712.01	217682.67	1164.35	1149.76	0.00	0.00
Oak Creek	AA7-224	138752.95	220272.65	1166.53	1153.63	0.00	0.00
Oak Creek	AA7-225	138019.73	220057.34	1166.62	1155.42	0.00	0.00
Oak Creek	AA7-226	138021.28	220285.47	1166.28	1155.84	0.00	5.80
Oak Creek	AA7-23	138595.05	217671.94	1163.81	1151.89	0.00	3.60
Oak Creek	AA7-24	138601.05	217716.44	1163.32	1151.74	0.00	0.00
Oak Creek	AA7-244	138785.36	220674.26	1167.83	1153.94	0.00	0.90
Oak Creek	AA7-25	138294.07	217708.56	1163.83	1152.05	0.00	0.00
Oak Creek	AA7-26	138016.78	217710.07	1164.08	1152.35	0.00	0.60
Oak Creek	AA7-267	137816.32	217521.65	1167.36	1154.16	0.00	0.00
Oak Creek	AA7-268	137440.09	217519.31	1168.56	1155.06	0.00	0.00
Oak Creek	AA7-269	137039.65	217521.47	1168.51	1156.01	0.00	0.00
Oak Creek	AA7-270	136789.38	217522.82	1174.10	1157.90	0.00	0.00
Oak Creek	AA7-271	136544.71	217524.14	1176.26	1159.26	0.00	2.20
Oak Creek	AA7-272	136331.29	217508.87	1176.20	1160.70	0.00	0.00
Oak Creek	AA7-273	136019.54	217405.14	1176.36	1162.06	0.00	0.00
Oak Creek	AA7-274	135692.75	217332.99	1179.44	1163.44	0.00	0.00
Oak Creek	AA7-275	135512.02	217156.08	1180.51	1164.51	0.00	0.00
Oak Creek	AA7-276	135269.21	217023.57	1179.26	1165.26	0.00	0.00
Oak Creek	AA7-277	134993.25	216875.94	1187.08	1166.08	0.00	0.00
Oak Creek	AA7-278	134713.65	216999.76	1185.56	1166.86	0.00	0.00
Oak Creek	AA7-279	134499.01	217077.83	1182.07	1167.57	0.00	0.00
Oak Creek	AA7-298	143274.20	216236.56	1158.85	1146.68	0.00	0.00
Oak Creek	AA7-299	138788.85	220705.86	1167.62	1154.10	0.00	0.00
Oak Creek	AA7-3	142804.76	216544.64	1162.98	1147.83	0.00	0.00
Oak Creek	AA7-300	138801.07	220734.99	1167.98	1156.70	0.00	0.00
Oak Creek	AA7-301	138805.06	221294.34	1168.37	1156.92	0.00	0.00
Oak Creek	AA7-303	138435.52	217130.90	1162.85	1152.80	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Oak Creek	AA7-4	142700.33	216550.22	1164.95	1148.20	0.00	0.00
Oak Creek	AA7-5	141933.67	217018.96	1164.48	1148.58	0.00	0.00
Oak Creek	AA7-6	141266.87	217457.77	1163.50	1149.49	0.00	0.00
Oak Creek	AA7-7	141177.61	217583.11	1165.29	1148.91	0.00	0.00
Oak Creek	AA7-9	141065.38	217619.85	1164.58	1148.94	0.00	0.00
Oak Creek	AA7-91	138001.22	217991.27	1165.45	1152.76	0.00	0.00
Oak Creek	AA7-93	138720.04	217999.49	1164.53	1150.75	0.00	0.00
Oak Creek	AA8-154	138808.78	221803.46	1169.34	1157.06	0.00	0.00
Oak Creek	AA8-155	138815.01	222484.28	1169.79	1157.70	0.00	0.00
Oak Creek	AA8-156	138824.21	222803.60	1169.87	1157.86	0.00	0.00
Oak Creek	AA8-157	138826.78	223251.61	1169.50	1158.21	0.00	0.00
Oak Creek	AA8-158	138834.96	223481.56	1171.76	1158.58	0.00	1.10
Oak Creek	AA8-159	139148.23	223763.67	1169.50	1158.75	0.00	0.00
Oak Creek	AA8-160	139153.58	224348.10	1170.30	1159.25	0.00	0.00
Oak Creek	AA8-161	139141.09	224927.48	1171.00	1159.66	0.00	0.00
Oak Creek	AA8-162	139146.79	225520.86	1172.40	1160.16	0.00	0.00
Oak Creek	AA8-163	139513.84	225516.56	1172.50	1160.41	0.00	0.00
Oak Creek	AA8-164	139857.96	225502.95	1171.30	1160.65	0.00	2.10
Oak Creek	AA8-165	140348.98	225806.43	1171.70	1161.15	0.00	0.40
Oak Creek	AA8-166	140545.42	225802.84	1172.50	1161.28	0.00	0.00
Oak Creek	AA8-167	140953.75	225706.84	1182.58	1169.32	0.00	0.00
Oak Creek	AA8-168	141549.19	225654.63	1198.70	1179.97	0.00	0.00
Oak Creek	AA8-169	142016.71	225646.65	1196.00	1180.47	0.00	0.00
Oak Creek	AA8-170	142555.61	225865.47	1192.30	1181.12	0.00	0.00
Oak Creek	AA8-171	143004.35	225894.20	1195.70	1181.60	0.00	0.90
Oak Creek	AA8-172	143458.85	225925.12	1197.00	1182.10	0.00	0.00
Oak Creek	AA8-173	143941.14	225820.31	1191.60	1182.65	0.00	0.00
Oak Creek	AA8-174	144461.04	225784.50	1194.30	1183.33	0.00	3.20
Oak Creek	AA8-175	141287.07	225677.27	1184.60	1174.99	0.00	0.00
Oak Creek	AA8-176	141341.61	225639.38	1190.90	1176.44	0.00	0.00
Oak Creek	BB7-1	134130.61	217046.02	1182.50	1168.75	0.00	0.00
Oak Creek	BB7-10	131955.18	218331.19	1208.00	1191.89	0.00	0.00
Oak Creek	BB7-11	131601.82	218437.40	1204.25	1193.00	0.00	4.10
Oak Creek	BB7-2	133912.14	217205.02	1183.50	1172.35	0.00	0.00
Oak Creek	BB7-27	133782.82	217299.15	1183.22	1173.22	0.00	0.00
Oak Creek	BB7-3	133693.67	217364.03	1188.50	1176.02	0.00	0.00
Oak Creek	BB7-4	133477.66	217521.25	1191.50	1180.00	0.00	0.00
Oak Creek	BB7-5	133296.38	217653.18	1200.00	1184.00	0.00	0.00
Oak Creek	BB7-6	133113.80	217786.28	1203.00	1188.00	0.00	0.00
Oak Creek	BB7-7	132883.76	217954.11	1206.00	1188.85	0.00	0.00
Oak Creek	BB7-8	132655.26	218120.78	1206.75	1189.70	0.00	0.00
Oak Creek	BB7-9	132309.06	218224.83	1207.00	1190.79	0.00	0.00
Oak Creek	LIFTSTA	152251.89	210824.16	1146.00	1137.72	0.00	0.00
Middle & West O	A4-13	149694.09	200945.73	1149.93	1138.03	0.00	0.00
Middle & West O	A4-134	146212.25	204054.85	1151.25	1140.20	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Middle & West O	A4-135	145795.72	204000.73	1156.30	1140.66	0.00	0.00
Middle & West O	A4-136	145374.97	203946.31	1157.00	1141.12	0.00	0.00
Middle & West O	A4-137	144868.16	203880.19	1159.00	1141.68	0.00	0.00
Middle & West O	A4-14	149691.32	201433.99	1150.66	1137.06	0.00	0.00
Middle & West O	A4-15	150103.81	201431.94	1150.63	1136.13	0.00	0.00
Middle & West O	A4-16	150647.28	201429.45	1149.93	1135.23	0.00	0.00
Middle & West O	A4-164	149697.12	200545.51	1150.43	1138.83	0.00	0.00
Middle & West O	A4-17	151222.22	201426.59	1150.98	1134.08	0.00	0.00
Middle & West O	A4-18	151797.06	201423.20	1150.43	1132.93	0.00	0.00
Middle & West O	A4-19	152343.58	201420.95	1150.14	1131.84	0.00	0.00
Middle & West O	A4-20	152409.98	201376.73	1150.18	1131.68	0.00	0.00
Middle & West O	A4-206	153076.08	201380.38	1162.75	1142.75	0.00	0.00
Middle & West O	A4-21	153001.21	201376.92	1151.00	1131.00	0.00	0.00
Middle & West O	A4-41	154149.65	201388.42	1149.40	1142.70	0.00	0.00
Middle & West O	A4-42	154599.05	201388.34	1151.69	1141.49	0.00	0.00
Middle & West O	A4-43	154806.49	201315.73	1148.34	1140.94	0.00	0.00
Middle & West O	A4-65	154095.79	205063.04	1147.00	1126.99	0.00	0.00
Middle & West O	A4-66	154017.90	204655.12	1142.00	1127.88	0.00	0.00
Middle & West O	A4-67	153517.59	204669.25	1143.00	1128.68	0.00	0.00
Middle & West O	A4-68	153081.84	204681.56	1141.00	1129.38	0.00	0.00
Middle & West O	A4-69	152752.06	204690.91	1142.00	1129.91	0.00	0.00
Middle & West O	A4-70	152218.50	204706.03	1143.00	1130.76	0.00	0.00
Middle & West O	A4-71	151825.68	204717.16	1148.50	1131.39	0.00	0.00
Middle & West O	A4-72	151323.00	204883.38	1145.50	1132.24	0.00	0.00
Middle & West O	A4-73	150837.18	204647.89	1145.50	1133.10	0.00	0.00
Middle & West O	A4-74	150267.05	204581.60	1146.50	1134.02	0.00	0.00
Middle & West O	A4-75	149730.65	204518.55	1148.00	1134.88	0.00	0.00
Middle & West O	A4-76	149246.49	204452.04	1148.20	1135.70	0.00	0.00
Middle & West O	A4-77	148707.75	204384.36	1149.50	1136.50	0.00	0.00
Middle & West O	A4-78	148210.30	204316.39	1145.80	1137.30	0.00	0.00
Middle & West O	A4-79	147717.12	204249.56	1146.10	1138.10	0.00	0.00
Middle & West O	A4-80	147221.32	204185.73	1144.00	1138.90	0.00	0.00
Middle & West O	A4-81	146626.81	204108.72	1154.35	1139.85	0.00	0.00
Middle & West O	A4-82	149698.92	200141.52	1156.70	1139.70	0.00	6.00
Middle & West O	A5-129	154163.87	205397.08	1145.98	1126.18	0.00	0.00
Middle & West O	A5-141	154229.08	205748.42	1147.52	1125.42	0.00	0.00
Middle & West O	A5-42	154606.46	205841.46	1147.42	1142.42	0.00	0.00
Middle & West O	A5-43	154664.65	205801.59	1147.33	1142.23	0.00	0.00
Middle & West O	AA4-17	139221.74	203635.55	1162.28	1147.28	0.00	18.00
Middle & West O	AA4-18	139459.20	203652.39	1162.08	1147.08	0.00	0.00
Middle & West O	AA4-20	139882.19	203681.65	1161.74	1146.74	0.00	0.00
Middle & West O	AA4-21	139985.44	204037.30	1161.44	1146.44	0.00	0.00
Middle & West O	AA4-22	140099.43	204431.10	1159.11	1146.11	0.00	0.00
Middle & West O	AA4-23	140766.55	204620.57	1160.55	1145.55	0.00	0.00
Middle & West O	AA4-24	141249.99	204380.48	1160.55	1145.12	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Middle & West O	AA4-25	141542.31	204230.14	1159.86	1144.86	0.00	0.00
Middle & West O	AA4-26	141754.13	203952.06	1159.55	1144.55	0.00	0.00
Middle & West O	AA4-27	141753.01	203752.50	1159.39	1144.39	0.00	0.00
Middle & West O	AA4-28	142416.72	203794.98	1158.89	1143.89	0.00	0.00
Middle & West O	AA4-29	143037.43	203822.57	1158.36	1143.36	0.00	0.00
Middle & West O	AA4-3	144353.32	203803.78	1157.23	1142.23	0.00	0.00
Middle & West O	AA4-30	143243.02	203835.67	1158.20	1143.20	0.00	0.00
Middle & West O	AA4-31	143891.60	203878.60	1157.84	1142.84	0.00	0.00
Middle & West O	AA4-32	144334.25	203923.35	1157.34	1142.34	0.00	0.00
Middle & West O	AA4-33	144326.91	203802.78	1157.26	1142.26	0.00	0.00
Middle & West O	B5-52	155133.60	205799.10	1147.40	1140.30	0.00	0.00
Middle & West O	B5-54	155553.45	205813.61	1147.07	1139.07	0.00	0.00
Middle & West O	B5-56	155961.18	205813.10	1147.20	1137.10	0.00	0.00
Middle & West O	B5-615	156323.73	205820.86	1144.78	1134.78	0.00	0.00
Middle & West O	LSTA	153051.39	201377.49	1153.39	1140.00	0.00	0.00
Middle & West O	LSTA2	154233.01	205841.54	1147.42	1123.00	0.00	0.00
Lynn Creek	A8-10	154337.75	223685.10	1200.84	1187.84	0.00	0.00
Lynn Creek	A8-11	154162.66	224079.50	1203.16	1190.66	0.00	0.00
Lynn Creek	A8-13	153983.45	224481.78	1204.22	1193.02	0.00	0.00
Lynn Creek	A8-140	154603.91	223372.93	1193.95	1183.45	0.00	0.00
Lynn Creek	A8-159	154460.67	223539.18	1200.27	1185.24	0.00	0.00
Lynn Creek	A8-16	153804.91	224885.36	1206.63	1195.33	0.00	0.00
Lynn Creek	A8-17	153699.10	225123.71	1213.44	1196.44	0.00	2.26
Lynn Creek	A8-2	155062.05	222383.55	1189.64	1175.04	0.00	0.00
Lynn Creek	A8-5	155061.42	222713.45	1189.21	1177.01	0.00	0.00
Lynn Creek	A8-6	155060.94	223032.34	1189.88	1178.38	0.00	0.00
Lynn Creek	A8-7	154795.91	223111.00	1190.30	1179.60	0.00	0.00
Lynn Creek	A8-8	154584.11	223173.75	1191.74	1181.74	0.00	0.00
Lynn Creek	A8-86	153903.13	224677.87	1206.82	1194.22	0.00	3.14
Lynn Creek	B7-331	157999.26	216520.53	1153.14	1138.84	0.00	0.00
Lynn Creek	B7-332	157816.94	217022.87	1154.00	1141.00	0.00	1.09
Lynn Creek	B7-333	157544.29	217179.19	1156.49	1142.29	0.00	0.00
Lynn Creek	B7-334	157275.49	217247.03	1156.57	1144.57	0.00	0.00
Lynn Creek	B7-335	157175.49	217751.75	1170.20	1147.59	0.00	0.00
Lynn Creek	B7-336	157078.28	218242.28	1160.80	1151.00	0.00	0.00
Lynn Creek	B7-337	157000.26	218706.62	1163.86	1153.46	0.00	2.49
Lynn Creek	B7-338	156891.50	218988.47	1165.80	1155.40	0.00	0.00
Lynn Creek	B7-339	156711.76	219458.39	1167.80	1159.80	0.00	0.00
Lynn Creek	B7-340	156547.62	219930.79	1176.97	1162.57	0.00	0.00
Lynn Creek	B7-341	156385.14	220395.31	1179.97	1163.07	0.00	0.00
Lynn Creek	B7-342	156261.04	220797.40	1188.00	1171.00	0.00	0.00
Lynn Creek	B7-343	156083.34	221210.39	1187.97	1171.57	0.00	0.40
Lynn Creek	B7-435	156352.02	220500.33	1182.60	1167.60	0.00	0.00
Lynn Creek	B8-67	155947.30	221508.31	1182.80	1172.00	0.00	0.00
Lynn Creek	B8-68	155733.24	221962.27	1185.52	1173.12	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Lynn Creek	B8-69	155389.11	222334.97	1189.25	1174.25	0.00	0.00
Little Salt	B9-14	163118.17	228592.15	1166.82	1156.46	0.00	0.00
Little Salt	B9-15	163357.90	228225.63	1163.65	1153.83	0.00	0.00
Little Salt	B9-16	163870.48	227825.93	1162.60	1150.17	0.00	0.00
Little Salt	B9-17	164271.58	227513.16	1165.88	1147.31	0.00	0.00
Little Salt	B9-18	164686.48	227501.88	1163.07	1145.00	0.00	0.00
Little Salt	B9-19	165039.04	227510.37	1159.82	1141.45	0.00	0.00
Little Salt	B9-20	165415.32	227491.23	1156.53	1137.95	0.00	0.00
Little Salt	B9-21	165474.31	227336.60	1152.04	1136.06	0.00	0.00
Little Salt	B9-22	165556.67	227113.53	1153.19	1134.14	0.00	0.00
Little Salt	B9-39	165773.02	226992.28	1154.75	1132.26	0.00	0.00
Little Salt	B9-52	165235.72	227491.88	1158.00	1139.74	0.00	0.00
Little Salt	B9-68	162112.60	229419.36	1186.02	1169.02	0.00	0.00
Little Salt	B9-69	162448.07	229052.48	1175.99	1164.99	0.00	0.00
Little Salt	B9-70	162787.97	228820.43	1176.35	1161.35	0.00	0.00
Little Salt	B9-71	161614.14	229153.16	1192.17	1174.17	0.00	0.00
Little Salt	B9-72	161279.86	229081.79	1193.83	1182.83	0.00	0.00
Little Salt	B9-73	160879.83	229073.10	1197.99	1183.99	0.00	7.66
Little Salt	B9-74	160373.49	229091.47	1197.55	1185.45	0.00	3.99
Little Salt	C-11	167200.32	218802.95	1145.00	1122.00	0.00	0.00
Little Salt	C6-101	173930.71	212561.58	1163.82	1150.82	0.00	3.23
Little Salt	C6-105	174281.70	212521.31	1163.66	1151.76	0.00	0.00
Little Salt	C6-107	173502.01	212558.52	1161.23	1149.33	0.00	0.00
Little Salt	C6-126	173481.40	213277.80	1160.70	1146.20	0.00	0.00
Little Salt	C6-127	173169.32	213278.73	1157.61	1144.83	0.00	0.00
Little Salt	C6-131	172814.35	213279.24	1156.54	1143.24	0.00	0.00
Little Salt	C6-132	172448.77	213279.76	1155.87	1141.67	0.00	0.00
Little Salt	C6-134	172102.79	213271.02	1155.27	1140.17	0.00	0.00
Little Salt	C6-169	166133.93	213933.94	1143.50	1127.00	0.00	0.00
Little Salt	C6-171	166248.40	213771.56	1143.76	1127.26	0.00	0.00
Little Salt	C6-172	166391.15	213859.99	1143.69	1133.19	0.00	0.87
Little Salt	C6-175	167102.06	213973.31	1143.36	1128.46	0.00	0.00
Little Salt	C6-177	167430.20	213974.25	1144.85	1128.85	0.00	0.00
Little Salt	C6-180	167849.36	213975.45	1144.86	1129.36	0.00	0.00
Little Salt	C6-181	168226.71	213976.53	1146.52	1129.82	0.00	0.85
Little Salt	C6-184	168569.86	213977.51	1147.38	1130.38	0.00	0.00
Little Salt	C6-186	168765.89	213916.85	1148.03	1130.53	0.00	0.00
Little Salt	C6-187	168866.30	213917.14	1147.40	1131.40	0.00	0.00
Little Salt	C6-188	168968.30	213977.24	1146.31	1131.61	0.00	0.75
Little Salt	C6-189	169227.49	213977.98	1145.25	1131.05	0.00	0.00
Little Salt	C6-190	169586.02	213979.00	1146.53	1132.33	0.00	0.00
Little Salt	C6-191	169945.55	213980.02	1146.17	1132.77	0.00	0.00
Little Salt	C6-192	170306.81	213980.03	1147.79	1133.24	0.00	0.00
Little Salt	C6-193	170673.92	213985.64	1149.39	1133.69	0.00	0.00
Little Salt	C6-194	171047.89	213978.83	1153.25	1134.15	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	C6-195	171411.63	213968.68	1151.66	1135.62	0.00	1.76
Little Salt	C6-197	172125.61	213969.00	1152.88	1136.88	0.00	0.60
Little Salt	C6-199	172126.22	213589.51	1154.52	1138.82	0.00	0.00
Little Salt	C6-230	171415.74	214148.93	1152.54	1135.88	0.00	0.00
Little Salt	C6-242	166396.00	214143.45	1143.04	1131.46	0.00	0.00
Little Salt	C6-244	165902.87	214302.12	1142.12	1127.42	0.00	0.00
Little Salt	C6-245	166055.61	214673.65	1141.96	1127.96	0.00	0.00
Little Salt	C6-246	166204.35	215045.18	1141.02	1128.52	0.00	0.00
Little Salt	C6-251	166509.84	215788.24	1141.62	1129.62	0.00	1.29
Little Salt	C6-252	166355.45	215404.72	1143.38	1129.08	0.00	0.00
Little Salt	C6-262	171404.52	214883.79	1149.90	1136.96	0.00	0.00
Little Salt	C6-294	168692.23	213933.78	1148.08	1130.58	0.00	2.57
Little Salt	C6-302	168303.40	213976.72	1143.05	1130.05	0.00	4.64
Little Salt	C6-313	171403.93	215240.25	1149.80	1137.49	0.00	0.00
Little Salt	C6-334	171403.40	215558.09	1148.41	1137.95	0.00	0.00
Little Salt	C6-349	165749.94	213930.73	1140.73	1126.03	0.00	1.52
Little Salt	C6-351	175812.91	211068.06	1172.28	1156.28	0.00	0.00
Little Salt	C6-352	171405.12	214519.78	1150.76	1136.44	0.00	0.00
Little Salt	C6-375	171403.03	215406.81	1148.90	1137.70	0.00	0.00
Little Salt	C6-388	171752.03	213968.77	1151.47	1135.97	0.00	0.00
Little Salt	C6-393	166571.63	213971.80	1143.67	1127.77	0.00	0.00
Little Salt	C6-399	171043.49	214339.43	1150.00	1133.20	0.00	0.00
Little Salt	C6-400	171038.87	214674.58	1149.50	1132.70	0.00	0.00
Little Salt	C6-406	171038.29	215025.80	1148.64	1132.04	0.00	0.00
Little Salt	C6-407	171047.57	215459.02	1146.60	1131.60	0.00	0.00
Little Salt	C6-431	165691.68	214137.78	1143.89	1131.05	0.00	0.00
Little Salt	C6-432	165674.64	214137.03	1143.89	1131.05	0.00	0.00
Little Salt	C6-448	170950.09	215906.22	1148.92	1129.92	0.00	0.00
Little Salt	C6-449	171014.19	215906.30	1148.53	1130.03	0.00	0.00
Little Salt	C6-450	171046.88	215876.35	1148.13	1130.13	0.00	0.00
Little Salt	C6-452	171402.36	215888.92	1150.42	1138.42	0.00	0.00
Little Salt	C6-480	176067.34	210808.72	1170.67	1156.72	0.00	0.00
Little Salt	C6-49	175432.23	211441.64	1170.19	1155.19	0.00	0.00
Little Salt	C6-492	167329.70	213973.97	1143.95	1131.69	0.00	0.59
Little Salt	C6-495	166585.83	215813.28	1147.75	1132.75	0.00	0.00
Little Salt	C6-496	166477.78	215573.27	1147.75	1132.43	0.00	0.00
Little Salt	C6-497	166268.92	214977.67	1146.68	1131.68	0.00	0.00
Little Salt	C6-498	166104.87	214581.10	1146.36	1131.36	0.00	0.00
Little Salt	C6-499	165929.85	214133.65	1146.00	1131.00	0.00	0.00
Little Salt	C6-500	165849.91	213931.46	1141.50	1126.50	0.00	0.00
Little Salt	C6-56	175175.69	211694.33	1169.04	1154.44	0.00	0.00
Little Salt	C6-89	174895.02	211972.05	1168.90	1153.70	0.00	0.00
Little Salt	C6-95	174651.51	212244.05	1165.68	1152.95	0.00	1.11
Little Salt	C7-151	176186.11	221101.72	1150.84	1137.74	0.00	0.00
Little Salt	C7-152	176035.31	221185.39	1150.50	1137.40	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	C7-155	175694.09	221212.79	1149.23	1136.73	0.00	0.00
Little Salt	C7-158	175393.76	221198.82	1146.56	1136.06	0.00	0.00
Little Salt	C7-159	175110.18	221206.07	1144.58	1135.38	0.00	0.00
Little Salt	C7-162	174299.70	221168.36	1142.47	1133.15	0.00	0.50
Little Salt	C7-164	174228.24	220904.54	1141.65	1133.15	0.00	0.00
Little Salt	C7-165	174193.59	220776.62	1141.86	1132.96	0.00	0.00
Little Salt	C7-166	173868.82	220553.30	1142.29	1132.49	0.00	0.00
Little Salt	C7-167	173575.64	220388.18	1144.42	1131.92	0.00	0.00
Little Salt	C7-170	173358.98	220185.75	1143.32	1131.32	0.00	0.00
Little Salt	C7-175	173140.45	219928.06	1144.50	1130.67	0.00	0.00
Little Salt	C7-176	171343.07	218960.04	1136.10	1128.10	0.00	0.00
Little Salt	C7-182	172853.06	219625.62	1141.36	1130.00	0.00	0.00
Little Salt	C7-183	172695.61	219462.75	1142.74	1129.64	0.00	0.00
Little Salt	C7-184	172451.38	219196.63	1145.91	1129.61	0.00	0.00
Little Salt	C7-185	172234.00	218954.74	1148.36	1129.18	0.00	0.00
Little Salt	C7-194	171883.30	218958.04	1145.93	1128.73	0.00	0.00
Little Salt	C7-231	166692.94	216247.36	1145.00	1130.13	0.00	0.00
Little Salt	C7-232	171546.11	218959.15	1138.28	1128.28	0.00	0.00
Little Salt	C7-233	171194.49	218960.60	1238.73	1127.83	0.00	0.00
Little Salt	C7-255	171402.11	215922.32	1150.77	1138.47	0.00	0.00
Little Salt	C7-276	170896.79	218421.46	1139.21	1126.21	0.00	0.00
Little Salt	C7-281	173058.05	219857.33	1144.81	1130.45	0.00	0.00
Little Salt	C7-29	171402.11	216258.80	1153.36	1138.96	0.00	0.00
Little Salt	C7-30	171403.96	216626.70	1150.19	1139.49	0.00	0.00
Little Salt	C7-303	165759.58	218071.83	1144.43	1129.03	0.00	2.20
Little Salt	C7-304	166014.88	218343.97	1141.83	1128.63	0.00	0.00
Little Salt	C7-305	166269.08	218549.91	1141.00	1128.10	0.00	0.00
Little Salt	C7-306	166558.51	218672.01	1142.53	1127.63	0.00	0.00
Little Salt	C7-307	166927.06	218823.52	1143.03	1127.03	0.00	0.00
Little Salt	C7-308	167207.78	218928.13	1141.58	1126.58	0.00	0.00
Little Salt	C7-309	167337.03	218930.60	1141.97	1124.57	0.00	2.38
Little Salt	C7-310	167461.13	219381.52	1142.04	1124.74	0.00	0.00
Little Salt	C7-311	167553.86	219821.88	1142.02	1124.92	0.00	0.00
Little Salt	C7-312	167656.88	220311.18	1142.02	1125.12	0.00	0.00
Little Salt	C7-313	167759.93	220800.48	1142.02	1125.32	0.00	0.00
Little Salt	C7-314	167835.11	221157.38	1141.97	1125.47	0.00	0.00
Little Salt	C7-316	173213.03	220011.25	1144.09	1130.89	0.00	2.69
Little Salt	C7-33	171588.84	216626.70	1149.60	1140.20	0.00	0.00
Little Salt	C7-338	166820.82	216627.97	1139.06	1130.56	0.00	0.00
Little Salt	C7-339	166940.20	217008.72	1139.04	1131.04	0.00	0.00
Little Salt	C7-340	167075.27	217435.64	1139.38	1131.58	0.00	0.00
Little Salt	C7-341	167149.18	217774.96	1137.80	1132.00	0.00	0.00
Little Salt	C7-343	167301.07	218851.97	1143.04	1125.54	0.00	0.00
Little Salt	C7-375	170910.39	221187.60	1138.00	1122.98	0.00	0.00
Little Salt	C7-376	170909.03	220749.52	1137.52	1123.22	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	C7-377	170906.77	220314.47	1138.48	1123.48	0.00	0.00
Little Salt	C7-378	170904.46	219869.42	1140.45	1124.55	0.00	0.00
Little Salt	C7-379	170902.10	219414.37	1139.34	1125.14	0.00	0.00
Little Salt	C7-380	170899.72	218956.32	1139.73	1125.73	0.00	0.00
Little Salt	C7-381	170897.92	218609.28	1140.04	1126.04	0.00	0.00
Little Salt	C7-382	170895.97	218264.54	1139.85	1126.35	0.00	0.00
Little Salt	C7-383	170893.97	217882.08	1143.20	1126.70	0.00	0.00
Little Salt	C7-384	171316.87	217284.99	1144.72	1128.55	0.00	0.00
Little Salt	C7-385	171319.62	217224.86	1144.79	1128.60	0.00	0.00
Little Salt	C7-386	170931.30	216905.25	1146.23	1128.98	0.00	0.00
Little Salt	C7-387	170927.15	216798.10	1147.01	1129.09	0.00	0.29
Little Salt	C7-390	170905.48	216257.24	1150.69	1129.69	0.00	0.00
Little Salt	C7-391	170906.14	215982.29	1146.22	1129.90	0.00	0.00
Little Salt	C7-395	170906.94	216534.13	1148.65	1129.32	0.00	0.00
Little Salt	C7-396	171095.39	217599.61	1147.21	1127.01	0.00	0.00
Little Salt	C7-398	174888.84	221208.99	1143.71	1134.71	0.00	0.00
Little Salt	C7-427	167250.87	218181.55	1148.35	1135.35	0.00	0.00
Little Salt	C7-428	167203.29	217808.56	1147.96	1134.96	0.00	0.00
Little Salt	C7-429	167104.69	217398.15	1145.52	1134.52	0.00	0.00
Little Salt	C7-430	166919.11	216683.14	1143.72	1133.72	0.00	0.00
Little Salt	C7-431	166665.45	216018.56	1147.96	1132.96	0.00	0.00
Little Salt	C8-10	168533.72	224446.19	1151.99	1129.09	0.00	0.00
Little Salt	C8-102	175004.67	222306.42	1144.50	1130.50	0.00	0.00
Little Salt	C8-11	168594.52	224870.86	1143.00	1129.30	0.00	0.00
Little Salt	C8-115	168428.50	223897.55	1149.69	1128.69	0.00	0.00
Little Salt	C8-12	168647.33	225252.53	1141.05	1129.65	0.00	0.00
Little Salt	C8-122	168111.21	222471.36	1141.69	1127.69	0.00	1.90
Little Salt	C8-13	168304.67	225521.48	1140.98	1129.88	0.00	0.00
Little Salt	C8-14	167958.93	225809.52	1141.02	1130.12	0.00	0.00
Little Salt	C8-15	167594.83	226088.40	1140.95	1130.35	0.00	0.00
Little Salt	C8-16	167226.03	226407.89	1142.32	1130.52	0.00	0.00
Little Salt	C8-20	176240.27	225876.30	1137.77	1116.57	0.00	0.00
Little Salt	C8-21	176215.35	225385.86	1137.67	1116.87	0.00	0.00
Little Salt	C8-22	176226.22	224895.91	1140.96	1117.16	0.00	0.00
Little Salt	C8-23	176219.20	224405.96	1137.05	1117.45	0.00	0.00
Little Salt	C8-24	176212.23	223920.14	1139.74	1117.74	0.00	0.00
Little Salt	C8-25	176150.51	223862.43	1139.49	1117.79	0.00	0.00
Little Salt	C8-26	175683.85	223871.87	1137.62	1118.02	0.00	0.00
Little Salt	C8-27	175397.31	223878.61	1138.65	1118.25	0.00	0.00
Little Salt	C8-28	175031.54	223892.40	1141.48	1118.48	0.00	0.00
Little Salt	C8-29	174579.49	223879.90	1142.84	1119.24	0.00	0.00
Little Salt	C8-30	174139.50	223883.19	1136.51	1119.51	0.00	0.00
Little Salt	C8-31	173609.87	223883.05	1136.97	1119.77	0.00	0.00
Little Salt	C8-32	173109.79	223886.71	1135.97	1120.07	0.00	0.00
Little Salt	C8-33	172634.64	223890.18	1136.96	1120.36	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	C8-34	172164.98	223893.61	1133.44	1120.64	0.00	4.57
Little Salt	C8-35	172103.67	223827.11	1135.99	1120.69	0.00	0.00
Little Salt	C8-36	172102.40	223298.28	1136.50	1121.00	0.00	0.00
Little Salt	C8-37	172101.17	222788.28	1137.51	1121.31	0.00	0.00
Little Salt	C8-38	172100.06	222272.91	1138.02	1121.62	0.00	0.00
Little Salt	C8-39	172098.97	221758.05	1147.73	1121.93	0.00	0.00
Little Salt	C8-4	167945.94	221675.99	1143.02	1126.92	0.00	0.00
Little Salt	C8-40	172097.99	221295.98	1145.04	1122.21	0.00	0.00
Little Salt	C8-41	172069.23	221268.68	1142.73	1122.23	0.00	0.00
Little Salt	C8-42	171705.51	221267.51	1133.75	1122.45	0.00	0.00
Little Salt	C8-43	171345.50	221266.35	1138.77	1122.67	0.00	0.00
Little Salt	C8-44	170984.84	221267.01	1137.99	1122.89	0.00	0.00
Little Salt	C8-45	175029.78	223438.89	1142.13	1123.23	0.00	0.00
Little Salt	C8-46	175019.44	222992.66	1145.48	1125.48	0.00	0.00
Little Salt	C8-47	175010.58	222544.79	1142.92	1127.72	0.00	0.00
Little Salt	C8-48	175000.23	222081.99	1142.27	1129.97	0.00	0.00
Little Salt	C8-49	174989.89	221642.16	1142.22	1132.22	0.00	0.00
Little Salt	C8-5	168052.30	222193.45	1143.04	1127.34	0.00	0.00
Little Salt	C8-50	174870.62	221234.14	1143.60	1134.51	0.00	0.00
Little Salt	C8-51	174963.13	221271.12	1143.57	1134.27	0.00	0.00
Little Salt	C8-6	168158.09	222682.13	1138.96	1127.76	0.00	0.00
Little Salt	C8-7	168265.77	223170.40	1138.99	1128.19	0.00	0.00
Little Salt	C8-70	174995.80	221894.82	1147.64	1130.84	0.00	0.00
Little Salt	C8-71	167980.11	221855.07	1143.36	1127.06	0.00	0.00
Little Salt	C8-8	168373.90	223646.30	1141.03	1128.53	0.00	0.00
Little Salt	C8-9	168464.31	224058.36	1148.02	1128.82	0.00	0.00
Little Salt	C8-90	167853.44	221243.46	1140.54	1126.54	0.00	3.15
Little Salt	C8-92	168413.39	223827.37	1148.13	1128.63	0.00	0.00
Little Salt	C9-1	166804.95	226569.22	1141.04	1130.84	0.00	0.00
Little Salt	C9-10	176253.48	226886.06	1134.37	1115.57	0.00	0.00
Little Salt	C9-12	166356.15	228409.62	1144.86	1134.03	0.00	2.47
Little Salt	C9-13	166494.20	228065.27	1146.55	1133.07	0.00	33.74
Little Salt	C9-14	166491.54	227530.90	1147.63	1132.63	0.00	0.00
Little Salt	C9-2	166326.33	226734.35	1141.99	1131.09	0.00	0.00
Little Salt	C9-23	166477.60	227165.82	1151.35	1132.35	0.00	0.00
Little Salt	C9-3	165930.04	226872.30	1144.03	1131.33	0.00	0.00
Little Salt	C9-4	165769.46	226873.48	1144.91	1131.41	0.00	2.63
Little Salt	C9-50	168136.16	226538.11	1150.73	1133.38	0.00	0.00
Little Salt	C9-51	167678.14	226549.96	1140.79	1132.79	0.00	0.00
Little Salt	C9-52	167367.49	226685.52	1147.97	1132.37	0.00	0.00
Little Salt	C9-6	176282.31	228919.76	1135.70	1114.50	0.00	0.00
Little Salt	C9-7	176275.33	228430.38	1135.35	1114.85	0.00	0.00
Little Salt	C9-8	176268.05	227920.43	1134.61	1115.21	0.00	0.00
Little Salt	C9-9	176274.31	227400.51	1142.27	1115.39	0.00	0.00
Little Salt	D4-262	184011.00	204268.89	1225.00	1215.00	0.00	4.47

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	D4-462	184123.96	205028.29	1223.35	1208.35	0.00	1.33
Little Salt	D4-463	184115.45	204542.75	1227.49	1212.19	0.00	0.00
Little Salt	D4-481	182357.05	205250.32	1202.40	1195.50	0.00	0.18
Little Salt	D4-482	182753.82	205253.49	1204.80	1197.90	0.00	0.00
Little Salt	D4-483	182790.42	205227.77	1204.97	1198.17	0.00	0.00
Little Salt	D4-484	183184.39	205230.91	1213.52	1200.52	0.00	0.00
Little Salt	D4-485	183511.86	205239.31	1218.03	1202.83	0.00	0.00
Little Salt	D4-486	183939.65	205242.68	1220.97	1204.97	0.00	1.62
Little Salt	D5-119	180236.17	206844.07	1198.10	1177.60	0.00	0.00
Little Salt	D5-121	179950.92	207044.12	1194.74	1176.14	0.00	2.47
Little Salt	D5-122	179631.01	207257.43	1191.12	1173.72	0.00	0.00
Little Salt	D5-151	179332.23	207466.97	1189.58	1171.48	0.00	0.00
Little Salt	D5-152	179027.63	207680.60	1185.72	1169.22	0.00	0.00
Little Salt	D5-153	179027.68	207897.41	1189.51	1167.61	0.00	1.88
Little Salt	D5-16	181762.46	205665.67	1204.17	1191.17	0.00	0.00
Little Salt	D5-17	182061.33	205457.51	1210.44	1193.34	0.00	0.00
Little Salt	D5-209	178457.18	208586.60	1178.90	1164.60	0.00	0.00
Little Salt	D5-210	178840.54	208470.99	1185.25	1165.43	0.00	0.55
Little Salt	D5-213	178999.12	208255.11	1188.27	1166.57	0.00	0.00
Little Salt	D5-275	178112.13	208790.69	1178.92	1163.32	0.00	0.00
Little Salt	D5-276	177826.78	209077.76	1181.48	1161.98	0.00	0.00
Little Salt	D5-324	177568.75	209470.34	1176.50	1160.20	0.00	0.90
Little Salt	D5-325	177197.26	209792.68	1175.03	1159.43	0.00	0.00
Little Salt	D5-326	176830.47	210110.37	1173.46	1158.66	0.00	0.00
Little Salt	D5-339	176459.68	210432.90	1173.10	1157.90	0.00	0.00
Little Salt	D5-386	179027.77	207986.46	1184.19	1167.34	0.00	0.00
Little Salt	D5-414	179956.62	206576.49	1193.07	1177.07	0.00	0.00
Little Salt	D5-417	182249.10	205325.51	1206.94	1194.94	0.00	0.00
Little Salt	D5-434	179027.88	208091.54	1185.05	1166.85	0.00	0.00
Little Salt	D5-45	181461.20	205875.79	1203.59	1184.49	0.00	0.76
Little Salt	D5-46	181462.07	205979.41	1203.16	1183.96	0.00	0.00
Little Salt	D5-482	178697.16	208516.34	1184.46	1165.36	0.00	0.00
Little Salt	D5-483	179491.40	207346.10	1190.90	1172.70	0.00	0.00
Little Salt	D5-51	181424.12	205995.04	1202.37	1182.37	0.00	0.00
Little Salt	D5-513	176328.82	210555.73	1173.10	1157.18	0.00	0.00
Little Salt	D5-62	179919.32	206539.20	1195.14	1185.64	0.00	0.00
Little Salt	D5-63	181143.94	206199.93	1200.28	1180.78	0.00	0.00
Little Salt	D5-67	180540.91	206630.95	1194.99	1179.19	0.00	0.00
Little Salt	D7-142	178197.14	219422.66	1157.52	1145.87	0.00	0.00
Little Salt	D7-197	178181.67	219818.47	1153.98	1144.58	0.00	0.00
Little Salt	D7-208	178181.60	220198.49	1153.63	1143.29	0.00	0.00
Little Salt	D7-237	178197.33	220594.30	1152.77	1141.77	0.00	0.00
Little Salt	D7-238	178197.27	221171.19	1153.28	1140.62	0.00	0.00
Little Salt	D7-239	178197.28	220974.32	1152.35	1141.01	0.00	0.00
Little Salt	D7-247	178018.27	221172.56	1151.32	1140.02	0.00	1.51

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	D7-264	176826.79	221142.21	1151.93	1138.73	0.00	0.00
Little Salt	D7-267	177640.66	221175.39	1149.55	1139.75	0.00	0.00
Little Salt	D7-278	179615.09	219237.03	1167.30	1150.61	0.00	3.10
Little Salt	D7-279	179234.58	219236.88	1164.50	1148.66	0.00	0.00
Little Salt	D7-280	178849.56	219205.18	1165.30	1148.09	0.00	0.00
Little Salt	D7-281	178556.88	219202.78	1160.30	1147.34	0.00	0.00
Little Salt	D7-283	178197.37	219202.78	1158.20	1146.62	0.00	1.36
Little Salt	D7-415	176803.27	221145.45	1152.90	1138.75	0.00	0.00
Little Salt	D7-416	177097.41	221163.27	1150.60	1139.13	0.00	0.00
Little Salt	D7-417	177193.38	221155.12	1149.70	1139.29	0.00	0.00
Little Salt	D7-418	177243.90	221193.87	1150.00	1139.40	0.00	1.22
Little Salt	D7-445	186793.47	221171.87	1153.40	1146.09	0.00	0.00
Little Salt	D7-446	186349.95	221173.84	1159.10	1145.55	0.00	0.00
Little Salt	D7-447	185900.89	221169.84	1160.36	1145.01	0.00	0.00
Little Salt	D7-448	185349.90	221163.79	1160.30	1144.35	0.00	0.00
Little Salt	D7-449	184748.95	221157.07	1154.70	1143.63	0.00	0.00
Little Salt	D7-450	184150.06	221151.13	1169.50	1142.91	0.00	0.00
Little Salt	D7-451	183550.06	221144.84	1158.32	1142.19	0.00	0.00
Little Salt	D7-452	182992.49	221138.94	1161.55	1141.53	0.00	0.00
Little Salt	D7-453	182885.68	221134.67	1163.86	1141.27	0.00	0.00
Little Salt	D7-456	178197.48	220756.49	1152.00	1141.27	0.00	0.00
Little Salt	D7-458	186760.72	219193.79	1161.10	1150.88	0.00	0.00
Little Salt	D7-459	186769.75	219738.77	1156.80	1149.63	0.00	0.00
Little Salt	D7-460	186778.85	220288.62	1156.92	1148.36	0.00	0.00
Little Salt	D7-461	186787.12	220788.49	1155.90	1147.21	0.00	0.00
Little Salt	D8-141	181580.70	225458.16	1146.65	1130.95	0.00	0.00
Little Salt	D8-147	176907.89	225315.85	1134.15	1126.15	0.00	1.55
Little Salt	D8-149	176817.05	225649.58	1134.06	1124.96	0.00	0.00
Little Salt	D8-150	176796.76	226019.18	1132.61	1124.61	0.00	0.00
Little Salt	D8-151	176807.01	226352.46	1136.43	1124.23	0.00	0.00
Little Salt	D8-163	176512.02	226354.85	1135.00	1121.65	0.00	0.00
Little Salt	D8-171	181587.60	225912.85	1142.84	1129.54	0.00	0.00
Little Salt	D8-185	181569.20	224781.11	1147.37	1132.27	0.00	0.00
Little Salt	D8-218	182893.40	221570.70	1167.70	1140.44	0.00	0.00
Little Salt	D8-219	182903.53	222173.86	1160.80	1139.50	0.00	0.00
Little Salt	D8-220	182911.95	222673.84	1158.10	1138.57	0.00	0.00
Little Salt	D8-221	182922.05	223273.80	1156.20	1137.63	0.00	0.00
Little Salt	D8-222	182930.85	223798.78	1174.37	1136.74	0.00	0.00
Little Salt	D8-223	182939.72	224325.96	1172.58	1135.84	0.00	0.00
Little Salt	D8-224	182276.85	224334.85	1170.55	1134.71	0.00	0.00
Little Salt	D8-225	181747.18	224341.88	1168.58	1133.81	0.00	0.00
Little Salt	D8-226	181679.11	224481.57	1167.05	1133.24	0.00	1.54
Little Salt	D8-229	186686.64	225879.86	1146.08	1112.84	0.00	8.76
Little Salt	D8-230	186181.21	226175.76	1127.84	1112.84	0.00	0.00
Little Salt	D8-81	181556.79	224489.85	1151.75	1136.25	0.00	0.10

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	D8-86	181573.80	225059.44	1146.59	1131.99	0.00	0.00
Little Salt	D8-87	181566.13	224610.88	1147.16	1132.56	0.00	0.00
Little Salt	D8-88	181583.00	225571.64	1147.25	1130.55	0.00	0.00
Little Salt	D8-89	181589.90	225968.06	1142.68	1129.38	0.00	0.00
Little Salt	D8-91	181576.10	225159.12	1146.05	1131.75	0.00	0.00
Little Salt	D9-100	185045.54	228217.65	1126.33	1111.33	0.00	0.00
Little Salt	D9-101	184559.54	228982.15	1125.95	1110.95	0.00	8.76
Little Salt	D9-102	184083.65	229808.67	1125.57	1110.57	0.00	1.61
Little Salt	D9-103	183827.52	229821.24	1125.25	1110.48	0.00	0.00
Little Salt	D9-12	181593.26	228533.14	1142.00	1124.00	0.00	0.00
Little Salt	D9-29	181600.80	228141.22	1142.74	1125.49	0.00	0.00
Little Salt	D9-30	181599.45	227701.01	1140.99	1126.15	0.00	0.00
Little Salt	D9-31	181598.58	227260.81	1139.36	1126.81	0.00	0.00
Little Salt	D9-32	181597.46	226820.41	1140.00	1127.47	0.00	0.00
Little Salt	D9-58	176931.59	228999.08	1135.90	1113.60	0.00	0.00
Little Salt	D9-59	177215.81	228997.25	1134.54	1113.44	0.00	0.00
Little Salt	D9-60	177784.56	228993.67	1128.74	1113.24	0.00	0.00
Little Salt	D9-61	178332.18	228990.05	1129.84	1113.04	0.00	0.00
Little Salt	D9-62	178831.58	228986.81	1138.64	1112.84	0.00	0.00
Little Salt	D9-63	179299.55	228985.51	1142.64	1112.64	0.00	0.00
Little Salt	D9-64	179799.42	228982.28	1137.94	1112.44	0.00	0.00
Little Salt	D9-65	180292.11	228978.94	1133.76	1112.11	0.00	0.88
Little Salt	D9-66	180674.42	228976.98	1132.37	1112.07	0.00	0.00
Little Salt	D9-67	181099.70	228973.40	1130.88	1111.88	0.00	0.00
Little Salt	D9-68	181577.69	228881.24	1137.80	1122.40	0.00	0.00
Little Salt	D9-69	181323.41	228972.44	1135.90	1111.60	0.00	0.00
Little Salt	D9-70	181516.23	229047.29	1133.27	1111.47	0.00	0.00
Little Salt	D9-71	181579.24	229410.67	1130.63	1111.43	0.00	0.00
Little Salt	D9-72	181580.27	229804.80	1133.72	1111.22	0.00	0.00
Little Salt	D9-73	181630.66	229863.24	1133.18	1111.18	0.00	75.45
Little Salt	D9-74	182146.86	229857.22	1131.10	1110.90	0.00	0.00
Little Salt	D9-75	182660.69	229842.26	1128.62	1110.62	0.00	0.00
Little Salt	D9-76	183170.70	229836.64	1135.84	1110.34	0.00	0.00
Little Salt	D9-77	183690.72	229831.41	1125.05	1110.27	0.00	0.00
Little Salt	D9-78	181588.03	228562.65	1142.00	1123.90	0.00	0.00
Little Salt	D9-84	181596.10	226383.36	1141.43	1128.13	0.00	0.00
Little Salt	D9-85	176611.81	229000.57	1136.85	1113.75	0.00	0.00
Little Salt	D9-98	185708.11	227009.38	1127.09	1112.09	0.00	0.00
Little Salt	D9-99	185526.49	227410.88	1126.71	1111.71	0.00	0.00
Little Salt	D9-JNC	183733.40	229894.80	1131.20	1110.25	0.00	0.00
Little Salt	D9-WWTP	183737.76	230304.45	1132.00	1110.00	0.00	0.00
Little Salt	E7-10	188878.50	217827.13	1169.80	1160.40	0.00	0.00
Little Salt	E7-11	188620.39	218027.27	1172.99	1159.81	0.00	0.00
Little Salt	E7-12	188675.65	218383.21	1168.76	1159.16	0.00	0.00
Little Salt	E7-13	188732.88	218743.92	1168.68	1158.50	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Little Salt	E7-14	188642.20	218946.10	1168.51	1158.10	0.00	0.00
Little Salt	E7-15	188091.36	219218.68	1162.56	1156.99	0.00	0.00
Little Salt	E7-16	187480.86	219218.63	1167.35	1155.89	0.00	0.00
Little Salt	E7-17	186890.69	219218.76	1161.20	1154.83	0.00	0.00
Little Salt	E7-18	186865.99	219193.77	1161.38	1151.16	0.00	0.00
Little Salt	E7-6	190245.27	216892.51	1187.15	1163.58	0.00	2.32
Little Salt	E7-7	189971.86	217222.44	1173.09	1162.75	0.00	0.00
Little Salt	E7-8	189698.08	217552.80	1171.27	1162.19	0.00	0.00
Little Salt	E7-9	189327.98	218090.75	1167.75	1161.34	0.00	0.00
Beals & Salt Valley	A4-172	155030.15	201318.60	1149.58	1140.38	0.00	0.00
Beals & Salt Valley	B0-151	157249.91	184183.02	1170.27	1158.27	0.00	0.00
Beals & Salt Valley	B0-208	157541.64	179125.68	1172.57	1162.06	0.00	0.00
Beals & Salt Valley	B0-209	157451.13	179599.78	1179.64	1161.19	0.00	0.00
Beals & Salt Valley	B0-210	157415.94	180198.58	1173.65	1161.45	0.00	0.00
Beals & Salt Valley	B0-211	157380.99	180718.35	1169.92	1161.20	0.00	0.00
Beals & Salt Valley	B0-212	157349.20	181261.47	1170.04	1160.59	0.00	0.00
Beals & Salt Valley	B0-213	157309.79	181865.69	1169.94	1160.11	0.00	0.00
Beals & Salt Valley	B0-214	157269.88	182525.86	1175.07	1159.78	0.00	0.00
Beals & Salt Valley	B0-215	157506.60	182465.70	1179.55	1159.55	0.00	0.62
Beals & Salt Valley	B0-216	157382.05	183137.53	1178.34	1159.40	0.00	0.00
Beals & Salt Valley	B0-217	157347.48	183550.67	1170.04	1158.96	0.00	0.00
Beals & Salt Valley	B0-218	157274.13	184100.61	1169.89	1158.49	0.00	2.83
Beals & Salt Valley	B1-1	157258.22	187912.20	1157.80	1137.48	0.00	0.00
Beals & Salt Valley	B1-158	158505.82	188448.46	1170.25	1154.75	0.00	0.00
Beals & Salt Valley	B1-159	158297.64	188075.75	1170.39	1155.09	0.00	0.00
Beals & Salt Valley	B1-160	158089.96	187713.00	1163.62	1155.42	0.00	0.00
Beals & Salt Valley	B1-161	157882.28	187350.25	1163.96	1155.76	0.00	0.00
Beals & Salt Valley	B1-162	157678.57	186994.44	1164.49	1156.09	0.00	0.00
Beals & Salt Valley	B1-163	157472.35	186634.30	1164.82	1156.42	0.00	0.00
Beals & Salt Valley	B1-164	157283.32	186262.38	1165.05	1156.75	0.00	0.00
Beals & Salt Valley	B1-165	157191.93	185855.62	1165.38	1157.08	0.00	0.00
Beals & Salt Valley	B1-166	157194.98	185438.08	1165.72	1157.42	0.00	0.00
Beals & Salt Valley	B1-167	157213.03	185025.46	1166.15	1157.75	0.00	0.00
Beals & Salt Valley	B1-168	157231.27	184608.80	1166.48	1158.08	0.00	0.00
Beals & Salt Valley	B1-2	157258.62	187177.79	1165.09	1138.59	0.00	0.00
Beals & Salt Valley	B1-239	165461.82	188839.68	1192.83	1173.67	0.00	0.00
Beals & Salt Valley	B1-241	162336.88	189333.20	1181.22	1162.42	0.00	0.00
Beals & Salt Valley	B1-262	161623.83	189478.38	1177.76	1159.26	0.00	0.00
Beals & Salt Valley	B1-272	165287.93	188750.79	1189.42	1173.42	0.00	0.00
Beals & Salt Valley	B1-289	156919.37	188732.16	1153.53	1135.46	0.00	0.00
Beals & Salt Valley	B1-290	156877.31	189420.16	1157.45	1135.25	0.00	0.00
Beals & Salt Valley	B1-291	165367.67	188880.37	1194.72	1172.87	0.00	0.00
Beals & Salt Valley	B1-292	165228.38	188776.28	1190.11	1172.26	0.00	0.00
Beals & Salt Valley	B1-293	165189.25	188741.13	1187.83	1171.98	0.00	0.00
Beals & Salt Valley	B1-294	164361.51	188894.64	1184.63	1168.78	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	B1-295	163563.89	189006.12	1184.53	1165.68	0.00	0.33
Beals & Salt Valley	B1-296	162959.52	189167.83	1178.19	1163.34	0.00	0.00
Beals & Salt Valley	B1-298	162089.87	189360.50	1189.88	1160.03	0.00	0.00
Beals & Salt Valley	B1-299	161984.84	189383.28	1180.44	1159.59	0.00	0.00
Beals & Salt Valley	B1-3	157278.90	186363.98	1164.85	1139.70	0.00	0.00
Beals & Salt Valley	B1-300	161729.69	189257.30	1174.88	1158.03	0.00	0.00
Beals & Salt Valley	B1-301	161641.72	188707.67	1173.98	1155.13	0.00	0.00
Beals & Salt Valley	B1-302	161067.47	188710.67	1171.99	1152.14	0.00	0.00
Beals & Salt Valley	B1-303	160493.22	188710.67	1172.00	1149.15	0.00	0.00
Beals & Salt Valley	B1-305	160486.71	188527.42	1168.89	1148.58	0.00	2.61
Beals & Salt Valley	B1-306	159855.33	188545.34	1179.22	1146.61	0.00	0.48
Beals & Salt Valley	B1-307	158676.11	188536.75	1172.87	1143.02	0.00	0.00
Beals & Salt Valley	B1-308	158549.14	188537.38	1171.36	1142.51	0.00	0.00
Beals & Salt Valley	B1-309	157851.92	188524.66	1163.18	1140.33	0.00	0.00
Beals & Salt Valley	B1-310	157169.67	188476.56	1156.40	1136.55	0.00	0.00
Beals & Salt Valley	B1-311	156931.29	188522.77	1166.61	1135.76	0.00	0.00
Beals & Salt Valley	B1-4	157306.18	185505.32	1166.12	1140.81	0.00	0.00
Beals & Salt Valley	B1-5	157168.17	185341.60	1165.72	1141.51	0.00	0.00
Beals & Salt Valley	B1-6	157208.43	184745.32	1166.48	1142.57	0.00	0.00
Beals & Salt Valley	B1-7	157227.50	184136.21	1170.27	1143.50	0.00	0.00
Beals & Salt Valley	B1-79	165569.27	188566.30	1189.61	1176.11	0.00	0.00
Beals & Salt Valley	B1-8	157317.53	184068.48	1169.89	1158.49	0.00	0.00
Beals & Salt Valley	B1-80	165260.33	188762.92	1189.50	1173.10	0.00	0.99
Beals & Salt Valley	B1-82	164737.93	188863.59	1185.42	1171.62	0.00	0.00
Beals & Salt Valley	B1-84	164148.50	188977.98	1185.01	1169.41	0.00	0.00
Beals & Salt Valley	B1-86	163557.05	189097.11	1234.32	1167.11	0.00	0.00
Beals & Salt Valley	B1-89	162982.34	189192.47	1180.24	1164.84	0.00	1.41
Beals & Salt Valley	B1-91	162400.69	189324.40	1179.43	1162.83	0.00	0.00
Beals & Salt Valley	B1-93	162111.68	189364.60	1180.51	1161.71	0.00	0.00
Beals & Salt Valley	B1-95	161940.09	189415.35	1178.81	1160.61	0.00	0.00
Beals & Salt Valley	B1S-10	159951.49	176343.08	1181.36	1169.14	0.00	0.00
Beals & Salt Valley	B1S-11	159579.62	176344.11	1178.52	1167.95	0.00	0.00
Beals & Salt Valley	B1S-12	159332.97	176222.75	1178.56	1165.07	0.00	3.66
Beals & Salt Valley	B1S-13	159010.52	176616.96	1175.86	1164.76	0.00	0.00
Beals & Salt Valley	B1S-14	158842.14	176926.30	1174.66	1164.33	0.00	0.00
Beals & Salt Valley	B1S-15	158598.45	177372.86	1174.26	1164.06	0.00	0.00
Beals & Salt Valley	B1S-16	158384.86	177766.13	1173.16	1163.73	0.00	0.00
Beals & Salt Valley	B1S-17	158502.38	178224.87	1172.80	1163.18	0.00	0.00
Beals & Salt Valley	B1S-18	158489.77	178450.64	1174.94	1162.90	0.00	0.00
Beals & Salt Valley	B1S-19	158147.63	178641.81	1175.88	1162.68	0.00	0.00
Beals & Salt Valley	B1S-20	157769.05	178792.32	1174.04	1162.57	0.00	0.10
Beals & Salt Valley	B1S-21	157651.16	178828.59	1172.02	1162.27	0.00	0.00
Beals & Salt Valley	B1S-5	162305.66	176128.21	1193.18	1180.83	0.00	3.66
Beals & Salt Valley	B1S-56	161036.25	176151.56	1185.38	1172.69	0.00	0.00
Beals & Salt Valley	B1S-57	160620.64	176221.99	1183.84	1171.55	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	B1S-58	160343.60	176223.61	1182.60	1170.69	0.00	0.00
Beals & Salt Valley	B1S-59	160343.81	176156.61	1182.60	1170.48	0.00	0.00
Beals & Salt Valley	B1S-6	160615.75	176098.54	1185.18	1171.98	0.00	0.00
Beals & Salt Valley	B1S-72	160429.81	174052.11	1181.90	1168.70	0.00	0.00
Beals & Salt Valley	B1S-73	160142.20	174578.69	1180.75	1167.97	0.00	0.00
Beals & Salt Valley	B1S-74	159879.28	175064.47	1182.85	1167.30	0.00	0.00
Beals & Salt Valley	B1S-75	159591.24	175592.77	1176.00	1166.57	0.00	0.00
Beals & Salt Valley	B1S-76	159322.75	176089.32	1176.10	1165.89	0.00	0.00
Beals & Salt Valley	B1S-9	160250.40	176176.79	1178.20	1170.13	0.00	0.00
Beals & Salt Valley	B1S-94	161634.40	176193.67	1188.07	1176.57	0.00	0.00
Beals & Salt Valley	B2-101	156771.55	194485.55	1153.76	1144.96	0.00	0.00
Beals & Salt Valley	B2-102	157039.52	193867.18	1154.46	1145.76	0.00	0.00
Beals & Salt Valley	B2-103	157287.81	193321.68	1155.11	1146.51	0.00	0.00
Beals & Salt Valley	B2-104	157542.65	192774.82	1155.36	1147.26	0.00	0.00
Beals & Salt Valley	B2-105	157836.17	192154.46	1160.86	1150.06	0.00	0.00
Beals & Salt Valley	B2-106	158063.30	191687.85	1159.07	1148.77	0.00	0.00
Beals & Salt Valley	B2-107	158317.33	191142.65	1168.33	1149.53	0.00	0.00
Beals & Salt Valley	B2-108	158555.14	190599.42	1167.78	1150.28	0.00	0.00
Beals & Salt Valley	B2-17	161055.44	189590.42	1176.05	1157.65	0.00	0.76
Beals & Salt Valley	B2-20	160579.60	189759.13	1172.90	1155.60	0.00	0.14
Beals & Salt Valley	B2-217	159377.42	189981.18	1171.35	1152.50	0.00	0.00
Beals & Salt Valley	B2-298	160447.78	189825.27	1174.06	1155.26	0.00	0.30
Beals & Salt Valley	B2-31	158813.86	190043.01	1164.82	1151.42	0.00	0.00
Beals & Salt Valley	B2-32	159220.99	190042.68	1165.44	1152.34	0.00	0.00
Beals & Salt Valley	B2-33	159625.46	190042.37	1173.56	1153.26	0.00	0.00
Beals & Salt Valley	B2-34	159994.95	190042.07	1174.42	1154.12	0.00	0.00
Beals & Salt Valley	B2-345	157646.35	192561.86	1156.08	1149.71	0.00	0.00
Beals & Salt Valley	B2-35	160085.65	189991.69	1174.36	1154.36	0.00	0.00
Beals & Salt Valley	B2-350	157187.27	193495.01	1159.90	1146.13	0.00	1.14
Beals & Salt Valley	B2-361	158449.70	190835.96	1168.71	1149.91	0.00	0.00
Beals & Salt Valley	B2-367	159208.18	189695.35	1167.05	1152.82	0.00	0.00
Beals & Salt Valley	B2-37	160320.50	189894.88	1178.32	1154.92	0.00	0.29
Beals & Salt Valley	B2-397	156844.68	190143.50	1158.17	1135.01	0.00	0.00
Beals & Salt Valley	B2-398	156814.27	190875.88	1161.42	1134.84	0.00	0.00
Beals & Salt Valley	B2-399	156757.70	191558.64	1160.49	1134.64	0.00	0.00
Beals & Salt Valley	B2-400	156700.34	192216.15	1168.81	1134.37	0.00	0.00
Beals & Salt Valley	B2-401	156638.02	192933.77	1158.77	1134.17	0.00	0.00
Beals & Salt Valley	B2-402	156586.98	193657.17	1158.55	1133.86	0.00	0.00
Beals & Salt Valley	B2-403	156521.58	194651.77	1158.30	1133.51	0.00	42.96
Beals & Salt Valley	B2S-37	161454.76	172095.37	1185.05	1171.12	0.00	6.73
Beals & Salt Valley	B2S-38	161193.03	172598.19	1185.85	1170.62	0.00	0.00
Beals & Salt Valley	B2S-39	161002.30	172982.70	1183.85	1170.14	0.00	0.00
Beals & Salt Valley	B2S-40	160715.93	173509.95	1181.85	1169.42	0.00	0.00
Beals & Salt Valley	B2S-41	162699.26	173516.33	1192.70	1179.30	0.00	0.00
Beals & Salt Valley	B2S-42	162388.42	173231.60	1193.90	1177.98	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	B2S-43	162120.41	172997.36	1189.85	1176.86	0.00	0.00
Beals & Salt Valley	B2S-44	161846.83	172763.09	1187.59	1174.68	0.00	0.00
Beals & Salt Valley	B2S-45	161590.94	172532.50	1185.05	1171.12	0.00	0.00
Beals & Salt Valley	B3-316	156416.95	196503.53	1154.89	1143.49	0.00	0.00
Beals & Salt Valley	B3-374	156678.28	196501.59	1153.26	1143.96	0.00	0.00
Beals & Salt Valley	B3-422	157077.97	196498.47	1153.27	1144.47	0.00	0.00
Beals & Salt Valley	B3-461	156415.44	199577.38	1150.94	1143.34	0.00	0.00
Beals & Salt Valley	B3-462	156413.57	199171.00	1150.36	1142.76	0.00	0.00
Beals & Salt Valley	B3-463	156411.60	198751.08	1151.14	1143.24	0.00	0.00
Beals & Salt Valley	B3-464	156409.31	198322.20	1150.91	1143.71	0.00	0.00
Beals & Salt Valley	B3-465	156406.98	197892.75	1151.27	1144.17	0.00	0.00
Beals & Salt Valley	B3-466	156405.18	197429.66	1152.71	1144.71	0.00	0.00
Beals & Salt Valley	B3-472	156353.92	194890.09	1155.10	1144.20	0.00	1.69
Beals & Salt Valley	B3-473	156324.65	194860.40	1154.20	1143.69	0.00	0.00
Beals & Salt Valley	B3-476	156298.30	195293.86	1154.00	1143.50	0.00	0.00
Beals & Salt Valley	B3-478	156212.56	195671.48	1152.59	1142.99	0.00	0.00
Beals & Salt Valley	B3-480	156123.85	196066.66	1154.25	1142.25	0.00	0.00
Beals & Salt Valley	B3-486	156010.55	197387.53	1171.16	1140.06	0.00	0.00
Beals & Salt Valley	B3-490	155943.97	198070.77	1150.37	1139.47	0.00	0.00
Beals & Salt Valley	B3-493	155878.65	198726.48	1150.25	1138.70	0.00	0.35
Beals & Salt Valley	B3-496	155882.00	199271.31	1150.36	1138.86	0.00	0.00
Beals & Salt Valley	B3-498	155888.98	199795.65	1147.67	1138.37	0.00	0.00
Beals & Salt Valley	B3-500	157917.89	196493.45	1157.15	1146.25	0.00	0.00
Beals & Salt Valley	B3-513	156072.09	196724.51	1151.20	1141.50	0.00	0.00
Beals & Salt Valley	B3-525	158130.57	196493.13	1158.33	1147.23	0.00	0.00
Beals & Salt Valley	B3-526	158551.21	196492.45	1127.60	1113.80	0.00	0.00
Beals & Salt Valley	B3-527	158675.47	196492.28	1165.03	1149.73	0.00	0.00
Beals & Salt Valley	B3-528	158716.97	196103.74	1164.95	1151.55	0.00	0.00
Beals & Salt Valley	B3-529	158948.86	196034.06	1166.29	1152.69	0.00	0.00
Beals & Salt Valley	B3-530	159183.72	196033.05	1167.90	1154.20	0.00	0.00
Beals & Salt Valley	B3-531	159369.54	196038.77	1168.40	1155.05	0.00	0.00
Beals & Salt Valley	B3-532	159760.13	196036.59	1216.85	1156.85	0.00	0.00
Beals & Salt Valley	B3-533	160136.62	196022.62	1174.65	1160.55	0.00	3.59
Beals & Salt Valley	B3-541	157465.84	196495.36	1155.07	1145.07	0.00	0.00
Beals & Salt Valley	B3-627	156291.17	195273.29	1154.41	1143.51	0.00	0.00
Beals & Salt Valley	B3-640	156349.13	199972.55	1152.31	1142.31	0.00	0.00
Beals & Salt Valley	B3-641	156416.29	199890.38	1152.57	1142.57	0.00	0.00
Beals & Salt Valley	B3-667	156005.81	197445.40	1154.25	1136.04	0.00	0.00
Beals & Salt Valley	B3-668	156370.48	197451.65	1157.00	1144.55	0.00	0.00
Beals & Salt Valley	B3-675	156297.15	198731.09	1152.28	1132.60	0.00	0.00
Beals & Salt Valley	B3-676	156321.45	199842.73	1152.71	1131.60	0.00	0.00
Beals & Salt Valley	B3-678	156404.05	195725.33	1155.95	1133.29	0.00	0.00
Beals & Salt Valley	B3-679	156330.28	196297.10	1146.10	1133.24	0.00	0.00
Beals & Salt Valley	B3-681	156303.47	196505.13	1156.25	1133.22	0.00	0.00
Beals & Salt Valley	B3-682	156296.21	197437.06	1162.84	1132.99	0.00	0.96

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	B3-683	156296.68	198093.61	1153.35	1132.85	0.00	0.00
Beals & Salt Valley	B4-108	155894.34	200900.40	1148.53	1136.53	0.00	0.00
Beals & Salt Valley	B4-13	156744.19	204970.61	1148.21	1137.21	0.00	0.00
Beals & Salt Valley	B4-14	156792.61	204979.52	1149.68	1136.58	0.00	0.00
Beals & Salt Valley	B4-171	156352.87	201940.40	1147.88	1139.88	0.00	0.00
Beals & Salt Valley	B4-173	155893.16	201931.64	1147.80	1135.80	0.00	0.00
Beals & Salt Valley	B4-178	155472.04	201307.66	1155.52	1139.32	0.00	0.00
Beals & Salt Valley	B4-179	155896.26	201291.76	1149.22	1136.22	0.00	0.55
Beals & Salt Valley	B4-18	156449.04	204966.20	1149.71	1135.31	0.00	0.00
Beals & Salt Valley	B4-181	155897.37	201536.53	1152.89	1136.09	0.00	0.00
Beals & Salt Valley	B4-183	156350.87	201541.24	1152.25	1140.25	0.00	0.00
Beals & Salt Valley	B4-19	156404.01	204978.73	1153.11	1139.01	0.00	0.00
Beals & Salt Valley	B4-20	156320.10	204984.04	1148.03	1139.23	0.00	0.00
Beals & Salt Valley	B4-22	156448.83	204912.62	1147.66	1133.56	0.00	0.53
Beals & Salt Valley	B4-243	156354.89	202341.28	1149.65	1139.65	0.00	0.00
Beals & Salt Valley	B4-253	155843.53	202485.08	1148.93	1135.43	0.00	0.00
Beals & Salt Valley	B4-254	155901.78	202533.81	1147.13	1134.63	0.00	0.00
Beals & Salt Valley	B4-257	156356.90	202740.40	1149.79	1139.29	0.00	0.00
Beals & Salt Valley	B4-321	156359.17	203141.43	1146.31	1138.91	0.00	0.00
Beals & Salt Valley	B4-323	155907.87	202934.60	1147.59	1135.09	0.00	0.00
Beals & Salt Valley	B4-326	155910.19	203345.64	1150.70	1134.80	0.00	0.00
Beals & Salt Valley	B4-329	156362.12	203661.75	1151.53	1138.43	0.00	0.00
Beals & Salt Valley	B4-390	155929.93	203931.59	1147.19	1134.39	0.00	0.00
Beals & Salt Valley	B4-395	156306.05	204397.53	1143.06	1133.06	0.00	0.00
Beals & Salt Valley	B4-397	156427.05	204595.63	1142.50	1133.80	0.00	0.00
Beals & Salt Valley	B4-473	159071.70	204979.30	1168.09	1150.89	0.00	0.00
Beals & Salt Valley	B4-474	158995.68	204979.71	1165.35	1150.84	0.00	0.00
Beals & Salt Valley	B4-492	156450.38	205228.30	1148.33	1133.33	0.00	0.00
Beals & Salt Valley	B4-503	158588.34	204981.91	1191.30	1179.30	0.00	0.00
Beals & Salt Valley	B4-510	159992.46	205138.28	1170.53	1154.63	0.00	3.09
Beals & Salt Valley	B4-511	159991.39	204926.25	1165.90	1153.90	0.00	0.00
Beals & Salt Valley	B4-512	159604.43	204928.35	1168.58	1153.08	0.00	0.00
Beals & Salt Valley	B4-513	159364.78	204929.64	1168.60	1151.90	0.00	0.00
Beals & Salt Valley	B4-57	156352.54	200311.62	1151.40	1141.40	0.00	0.00
Beals & Salt Valley	B4-589	156450.02	205163.69	1148.38	1133.38	0.00	0.00
Beals & Salt Valley	B4-594	156347.82	200906.47	1150.45	1140.15	0.00	0.00
Beals & Salt Valley	B4-60	155891.56	200309.32	1146.96	1136.96	0.00	0.00
Beals & Salt Valley	B4-605	156351.72	201710.14	1150.55	1140.25	0.00	0.00
Beals & Salt Valley	B4-609	155898.15	201703.19	1153.10	1138.80	0.00	0.00
Beals & Salt Valley	B4-636	156353.62	200547.71	1151.12	1140.82	0.00	0.00
Beals & Salt Valley	B4-637	157084.90	204973.25	1151.28	1137.48	0.00	0.00
Beals & Salt Valley	B4-638	157381.74	204971.95	1150.93	1138.43	0.00	0.00
Beals & Salt Valley	B4-639	157756.83	204969.67	1150.28	1139.63	0.00	0.00
Beals & Salt Valley	B4-640	158138.88	204956.64	1154.04	1142.04	0.00	0.00
Beals & Salt Valley	B4-641	158117.78	204969.93	1152.48	1141.98	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	B4-658	156848.22	204983.81	1147.75	1136.75	0.00	0.00
Beals & Salt Valley	B4-678	156352.12	201790.27	1148.80	1140.20	0.00	0.00
Beals & Salt Valley	B4-69	156354.44	200710.48	1149.84	1140.84	0.00	0.00
Beals & Salt Valley	B4-690	156351.89	200078.78	1151.98	1141.98	0.00	0.00
Beals & Salt Valley	B4-693	159669.16	204928.00	1170.40	1153.40	0.00	0.00
Beals & Salt Valley	B4-696	157590.58	204970.32	1151.85	1139.85	0.00	0.00
Beals & Salt Valley	B4-710	156463.64	204984.21	1147.76	1133.66	0.00	0.00
Beals & Salt Valley	B4-736	156312.69	200840.15	1151.28	1130.69	0.00	3.13
Beals & Salt Valley	B4-738	156316.56	201664.61	1151.28	1129.96	0.00	0.00
Beals & Salt Valley	B4-739	156320.48	202488.60	1151.18	1129.22	0.00	0.00
Beals & Salt Valley	B4-741	156331.27	203338.80	1141.31	1128.29	0.00	0.00
Beals & Salt Valley	B4-742	156371.91	204478.65	1146.40	1133.40	0.00	0.00
Beals & Salt Valley	B4-743	156343.81	204471.76	1140.15	1127.02	0.00	25.54
Beals & Salt Valley	B4-XX1	156355.79	202519.45	1149.54	1139.54	0.00	0.00
Beals & Salt Valley	B4-XX2	156356.01	202568.67	1148.91	1139.51	0.00	0.00
Beals & Salt Valley	B5-121	156370.44	206264.23	1143.92	1132.52	0.00	0.00
Beals & Salt Valley	B5-122	156372.09	206690.90	1142.68	1132.18	0.00	0.00
Beals & Salt Valley	B5-160	156431.98	207936.23	1146.45	1130.93	0.00	1.05
Beals & Salt Valley	B5-274	156712.69	208535.49	1144.48	1130.68	0.00	0.00
Beals & Salt Valley	B5-275	156995.16	209116.40	1153.15	1129.94	0.00	0.00
Beals & Salt Valley	B5-327	157292.60	209710.00	1149.30	1129.90	0.00	0.00
Beals & Salt Valley	B5-328	157539.96	209826.86	1145.70	1129.70	0.00	0.00
Beals & Salt Valley	B5-329	157496.20	209771.25	1144.64	1129.74	0.00	0.00
Beals & Salt Valley	B5-361	157572.50	210286.86	1145.84	1129.14	0.00	0.00
Beals & Salt Valley	B5-362	157521.53	210181.88	1148.19	1129.49	0.00	0.00
Beals & Salt Valley	B5-476	156813.35	205417.31	1150.40	1136.90	0.00	0.00
Beals & Salt Valley	B5-477	156814.83	205805.43	1149.14	1136.14	0.00	0.00
Beals & Salt Valley	B5-478	156815.50	205980.48	1149.56	1136.56	0.00	0.00
Beals & Salt Valley	B5-479	156825.85	206334.03	1148.51	1134.41	0.00	0.00
Beals & Salt Valley	B5-480	156773.40	206409.13	1147.73	1136.83	0.00	0.00
Beals & Salt Valley	B5-485	162076.86	210540.04	1151.32	1127.72	0.00	0.00
Beals & Salt Valley	B5-49	157215.57	205616.87	1147.20	1139.70	0.00	0.00
Beals & Salt Valley	B5-503	157052.38	206349.30	1149.63	1136.83	0.00	0.00
Beals & Salt Valley	B5-512	157210.45	205414.94	1150.72	1139.92	0.00	0.00
Beals & Salt Valley	B5-535	156715.72	206628.75	1144.53	1135.63	0.00	0.00
Beals & Salt Valley	B5-548	156545.55	208179.25	1145.10	1131.20	0.00	0.00
Beals & Salt Valley	B5-554	157222.32	205883.14	1146.32	1139.32	0.00	0.00
Beals & Salt Valley	B5-565	157324.44	209776.27	1144.64	1129.84	0.00	0.00
Beals & Salt Valley	B5-57	156368.74	205811.81	1142.66	1132.86	0.00	0.00
Beals & Salt Valley	B5-596	156746.16	208598.15	1149.45	1130.38	0.00	0.00
Beals & Salt Valley	B5-597	156591.91	208935.00	1151.85	1130.18	0.00	0.00
Beals & Salt Valley	B5-601	156499.42	208085.62	1146.05	1130.53	0.00	0.00
Beals & Salt Valley	B5-602	156092.92	208305.13	1145.35	1125.80	0.00	0.00
Beals & Salt Valley	B5-603	156284.12	209130.87	1147.58	1125.54	0.00	0.00
Beals & Salt Valley	B5-604	156674.89	209821.54	1144.45	1125.13	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	B5-605	157243.21	210344.51	1141.00	1124.87	0.00	0.00
Beals & Salt Valley	B5-61	157228.76	206138.28	1146.32	1139.32	0.00	0.00
Beals & Salt Valley	B5-614	156352.67	205428.87	1150.32	1126.74	0.00	0.00
Beals & Salt Valley	B5-616	156347.49	205802.19	1144.57	1126.61	0.00	0.47
Beals & Salt Valley	B5-617	156348.46	206565.65	1141.88	1126.41	0.00	0.00
Beals & Salt Valley	B5-618	156357.37	207397.58	1145.54	1126.10	0.00	0.00
Beals & Salt Valley	B5-619	155997.23	207800.81	1144.71	1125.93	0.00	0.00
Beals & Salt Valley	B5-62	157222.58	206198.55	1146.72	1136.42	0.00	0.00
Beals & Salt Valley	B5-639	161111.25	210483.01	1144.20	1129.70	0.00	0.00
Beals & Salt Valley	B5-676	156813.81	205065.68	1147.55	1137.05	0.00	0.00
Beals & Salt Valley	B5-677	156812.26	205116.70	1146.98	1136.98	0.00	0.00
Beals & Salt Valley	B5-X40	156374.24	207272.63	1142.40	1131.40	0.00	0.00
Beals & Salt Valley	B6-100	163625.87	214369.02	1146.30	1123.00	0.00	0.00
Beals & Salt Valley	B6-102	163895.78	214142.08	1145.94	1130.04	0.00	0.00
Beals & Salt Valley	B6-103	163769.70	214149.26	1146.25	1129.96	0.00	0.89
Beals & Salt Valley	B6-105	164018.62	213932.83	1145.38	1124.58	0.00	0.00
Beals & Salt Valley	B6-106	164338.43	214139.98	1160.58	1130.29	0.00	0.00
Beals & Salt Valley	B6-108	164411.04	213933.31	1143.94	1124.94	0.00	0.00
Beals & Salt Valley	B6-110	164802.06	214137.83	1161.10	1130.55	0.00	0.00
Beals & Salt Valley	B6-111	164846.29	213933.77	1143.21	1125.31	0.00	0.00
Beals & Salt Valley	B6-115	165317.16	213935.80	1243.60	1225.67	0.00	0.00
Beals & Salt Valley	B6-117	165245.42	214137.73	1161.60	1130.80	0.00	0.00
Beals & Salt Valley	B6-20	161482.10	211004.86	1147.72	1137.32	0.00	0.00
Beals & Salt Valley	B6-243	159969.00	211493.75	1145.24	1126.84	0.00	0.00
Beals & Salt Valley	B6-246	161336.40	211855.07	1143.30	1125.30	0.00	0.00
Beals & Salt Valley	B6-265	158550.58	213910.57	1145.72	1130.44	0.00	9.20
Beals & Salt Valley	B6-266	158457.51	214106.67	1145.36	1132.51	0.00	0.68
Beals & Salt Valley	B6-267	158361.20	214518.12	1148.52	1133.00	0.00	0.00
Beals & Salt Valley	B6-268	158248.49	214799.75	1147.64	1133.64	0.00	0.00
Beals & Salt Valley	B6-269	158224.18	215233.67	1149.30	1134.55	0.00	0.00
Beals & Salt Valley	B6-270	158226.04	215666.82	1149.55	1135.43	0.00	0.00
Beals & Salt Valley	B6-271	158183.18	215998.20	1152.50	1136.14	0.00	1.72
Beals & Salt Valley	B6-274	165265.96	213935.51	1142.81	1125.31	0.00	0.00
Beals & Salt Valley	B6-278	158304.05	213303.59	1146.50	1131.39	0.00	0.00
Beals & Salt Valley	B6-279	158361.09	213732.81	1146.50	1131.14	0.00	0.00
Beals & Salt Valley	B6-280	158349.17	213854.11	1146.29	1130.58	0.00	0.60
Beals & Salt Valley	B6-281	159068.79	213901.91	1146.88	1130.14	0.00	0.00
Beals & Salt Valley	B6-282	159187.73	213901.15	1146.98	1129.73	0.00	0.00
Beals & Salt Valley	B6-283	159299.03	213986.17	1149.11	1129.11	0.00	0.00
Beals & Salt Valley	B6-284	159751.56	214066.63	1147.50	1128.69	0.00	0.30
Beals & Salt Valley	B6-285	159912.06	214172.27	1148.47	1128.39	0.00	0.00
Beals & Salt Valley	B6-286	160589.54	214415.00	1146.04	1127.39	0.00	0.00
Beals & Salt Valley	B6-287	160958.73	214667.58	1144.72	1126.91	0.00	0.00
Beals & Salt Valley	B6-288	161486.09	214660.78	1145.15	1126.35	0.00	0.00
Beals & Salt Valley	B6-289	161954.41	214651.67	1144.15	1125.35	0.00	2.45

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	B6-293	162426.39	214635.84	1145.38	1125.14	0.00	0.00
Beals & Salt Valley	B6-294	162819.31	214721.64	1144.59	1124.09	0.00	0.00
Beals & Salt Valley	B6-2941	163359.06	214923.15	1145.50	1122.50	0.00	0.00
Beals & Salt Valley	B6-2942	163480.40	214558.95	1144.50	1121.50	0.00	0.00
Beals & Salt Valley	B6-296	163531.03	214440.78	1143.52	1120.62	0.00	0.00
Beals & Salt Valley	B6-30	158418.58	211283.58	1144.59	1128.09	0.00	0.65
Beals & Salt Valley	B6-31	159010.20	211490.39	1145.59	1127.59	0.00	0.00
Beals & Salt Valley	B6-318	157750.89	213309.44	1147.71	1131.67	0.00	0.00
Beals & Salt Valley	B6-319	157693.07	213275.94	1148.56	1131.78	0.00	0.00
Beals & Salt Valley	B6-32	159638.63	211492.59	1145.29	1127.09	0.00	0.00
Beals & Salt Valley	B6-320	157635.31	212918.57	1150.65	1131.91	0.00	0.00
Beals & Salt Valley	B6-321	157591.30	212869.49	1149.58	1132.04	0.00	0.00
Beals & Salt Valley	B6-322	157291.66	212857.61	1149.72	1132.11	0.00	0.00
Beals & Salt Valley	B6-323	156794.87	212650.63	1148.00	1132.57	0.00	3.70
Beals & Salt Valley	B6-324	156193.24	212532.63	1146.37	1133.01	0.00	0.00
Beals & Salt Valley	B6-325	155698.52	212397.82	1146.85	1133.03	0.00	0.00
Beals & Salt Valley	B6-326	155144.01	212252.70	1147.83	1133.49	0.00	0.00
Beals & Salt Valley	B6-327	156458.41	212987.29	1147.94	1136.82	0.00	0.00
Beals & Salt Valley	B6-328	156301.93	213301.14	1146.00	1137.34	0.00	0.00
Beals & Salt Valley	B6-33	160244.38	211494.72	1146.53	1126.63	0.00	0.00
Beals & Salt Valley	B6-330	155880.56	213292.02	1146.00	1137.96	0.00	0.00
Beals & Salt Valley	B6-331	155435.97	213282.70	1148.00	1138.47	0.00	5.30
Beals & Salt Valley	B6-339	161373.93	211686.68	1145.90	1125.67	0.00	0.00
Beals & Salt Valley	B6-34	160687.47	211658.89	1146.25	1125.84	0.00	0.00
Beals & Salt Valley	B6-340	161503.78	211722.79	1146.20	1125.85	0.00	0.00
Beals & Salt Valley	B6-341	161687.43	211327.62	1148.40	1126.41	0.00	2.67
Beals & Salt Valley	B6-342	161833.62	211029.62	1157.70	1126.86	0.00	0.00
Beals & Salt Valley	B6-343	161831.78	210806.24	1153.63	1127.28	0.00	0.00
Beals & Salt Valley	B6-344	161287.69	211811.02	1147.35	1125.55	0.00	0.00
Beals & Salt Valley	B6-357	158003.01	210803.41	1141.12	1128.62	0.00	0.00
Beals & Salt Valley	B6-371	160658.50	211715.03	3149.85	1125.85	0.00	0.00
Beals & Salt Valley	B6-373	160591.55	212699.39	1149.00	1123.00	0.00	0.00
Beals & Salt Valley	B6-374	160821.46	212703.00	1143.50	1123.00	0.00	0.00
Beals & Salt Valley	B6-375	161012.37	212974.07	1146.17	1121.08	0.00	0.00
Beals & Salt Valley	B6-376	161668.04	213240.99	1147.84	1120.95	0.00	0.00
Beals & Salt Valley	B6-377	162618.37	213620.27	1146.36	1120.47	0.00	0.00
Beals & Salt Valley	B6-378	163305.34	214168.32	1148.02	1120.23	0.00	0.00
Beals & Salt Valley	B6-382	164505.45	213933.72	1143.21	1125.00	0.00	0.00
Beals & Salt Valley	B6-384	157709.13	210762.53	1144.75	1124.73	0.00	0.00
Beals & Salt Valley	B6-385	158335.72	211261.00	1144.55	1124.54	0.00	0.00
Beals & Salt Valley	B6-386	158966.89	211829.31	1144.95	1124.34	0.00	0.00
Beals & Salt Valley	B6-387	159479.83	212080.26	1147.65	1124.07	0.00	0.00
Beals & Salt Valley	B6-388	159869.50	212268.10	1149.85	1123.86	0.00	0.00
Beals & Salt Valley	B6-389	160466.99	212662.99	1149.25	1123.61	0.00	0.00
Beals & Salt Valley	B6-392	160825.13	210975.33	1140.97	1128.56	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	B6-394	160789.47	211041.34	1140.35	1128.38	0.00	0.25
Beals & Salt Valley	B6-395	160724.71	211219.48	1141.17	1128.01	0.00	0.00
Beals & Salt Valley	B6-66	161395.85	212483.85	1145.94	1124.14	0.00	0.00
Beals & Salt Valley	B6-72	160584.14	212204.51	1148.29	1125.48	0.00	0.00
Beals & Salt Valley	B6-87	161763.72	212922.17	1145.72	1123.92	0.00	0.00
Beals & Salt Valley	B6-89	162271.52	213317.84	1145.97	1123.67	0.00	0.00
Beals & Salt Valley	B6-90	162799.81	213739.00	1141.61	1123.41	0.00	0.00
Beals & Salt Valley	B6-91	163502.75	214412.93	1143.13	1120.20	0.00	0.00
Beals & Salt Valley	B6-94	163339.10	214169.13	1144.35	1123.15	0.00	0.00
Beals & Salt Valley	B6-98	163657.14	214231.82	1144.98	1129.89	0.00	0.00
Beals & Salt Valley	C0-119	176017.16	184003.10	1237.34	1216.04	0.00	0.00
Beals & Salt Valley	C0-119-2	175949.95	184011.71	1235.73	1216.23	0.00	0.00
Beals & Salt Valley	C0-120	176140.13	183747.34	1236.77	1217.17	0.00	0.00
Beals & Salt Valley	C0-120-2	176038.85	183747.61	1236.77	1217.17	0.00	0.00
Beals & Salt Valley	C0-121	176139.54	183245.12	1236.76	1219.16	0.00	0.00
Beals & Salt Valley	C0-121-2	176054.54	183245.56	1236.76	1219.16	0.00	0.00
Beals & Salt Valley	C0-122	176138.95	182745.24	1240.53	1220.83	0.00	0.00
Beals & Salt Valley	C0-122-2	176051.93	182751.34	1240.53	1220.83	0.00	0.00
Beals & Salt Valley	C0-123	176138.62	182465.52	1240.15	1222.25	0.00	0.00
Beals & Salt Valley	C0-123-2	176049.31	182468.94	1240.15	1222.25	0.00	0.00
Beals & Salt Valley	C0-124	176138.23	182134.43	1241.19	1225.39	0.00	0.00
Beals & Salt Valley	C0-124-2	176067.62	182136.85	1241.19	1225.39	0.00	0.00
Beals & Salt Valley	C0-220	167269.10	183015.27	1210.00	1201.00	0.00	0.00
Beals & Salt Valley	C0-221	167539.52	182804.45	1210.00	1201.44	0.00	0.00
Beals & Salt Valley	C0-222	167963.01	182737.34	1210.06	1201.96	0.00	0.00
Beals & Salt Valley	C0-223	168237.00	182715.36	1212.60	1202.30	0.00	0.00
Beals & Salt Valley	C0-226	170127.86	182367.43	1227.55	1213.57	0.00	5.43
Beals & Salt Valley	C0-227	169730.92	182457.23	1225.00	1210.07	0.00	0.00
Beals & Salt Valley	C0-228	169398.77	182520.52	1222.50	1207.74	0.00	0.00
Beals & Salt Valley	C0-229	169075.39	182574.75	1220.30	1206.23	0.00	0.00
Beals & Salt Valley	C0-230	168654.15	182644.65	1219.50	1204.29	0.00	0.00
Beals & Salt Valley	C0-43	167052.46	183982.44	1210.97	1191.97	0.00	0.00
Beals & Salt Valley	C0-44	166971.16	183907.54	1202.88	1192.88	0.00	0.00
Beals & Salt Valley	C0-511	168883.93	182605.36	1221.11	1205.91	0.00	0.00
Beals & Salt Valley	C0-67	167038.36	184096.14	1206.02	1191.92	0.00	0.00
Beals & Salt Valley	C0-96	167130.34	183320.39	1212.12	1200.63	0.00	0.00
Beals & Salt Valley	C0-97	166980.62	183664.24	1207.73	1193.93	0.00	0.00
Beals & Salt Valley	C1-101	169071.90	188309.13	1206.49	1186.49	0.00	0.38
Beals & Salt Valley	C1-101-2	169058.64	188285.30	1206.49	1186.49	0.00	0.00
Beals & Salt Valley	C1-12	175739.51	184714.12	1232.77	1211.57	0.00	0.00
Beals & Salt Valley	C1-12-2	175709.35	184657.03	1232.77	1211.57	0.00	0.00
Beals & Salt Valley	C1-13	175316.45	184888.27	1229.91	1209.51	0.00	0.00
Beals & Salt Valley	C1-13-2	175287.85	184810.69	1229.91	1209.51	0.00	0.00
Beals & Salt Valley	C1-14	174897.46	185060.86	1226.77	1207.47	0.00	1.54
Beals & Salt Valley	C1-14-2	174863.24	184995.92	1226.77	1207.47	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	C1-15	174471.58	185235.71	1229.05	1205.85	0.00	0.00
Beals & Salt Valley	C1-15-2	174441.47	185178.31	1229.05	1205.85	0.00	0.00
Beals & Salt Valley	C1-16	174060.96	185407.35	1224.82	1204.52	0.00	0.00
Beals & Salt Valley	C1-16-2	174028.26	185340.74	1224.82	1204.52	0.00	0.00
Beals & Salt Valley	C1-17	173655.67	185576.76	1223.01	1203.21	0.00	0.00
Beals & Salt Valley	C1-17-2	173627.07	185506.03	1223.01	1203.21	0.00	1.16
Beals & Salt Valley	C1-186	168716.93	188396.36	1203.22	1185.42	0.00	0.00
Beals & Salt Valley	C1-186-2	168706.96	188364.78	1203.22	1185.42	0.00	0.00
Beals & Salt Valley	C1-188	168252.19	188451.62	1203.70	1183.70	0.00	0.77
Beals & Salt Valley	C1-188-2	168242.03	188427.76	1203.70	1183.70	0.00	0.00
Beals & Salt Valley	C1-19	173353.87	185696.93	1220.82	1202.22	0.00	0.55
Beals & Salt Valley	C1-190	167837.38	188514.23	1199.51	1182.31	0.00	0.00
Beals & Salt Valley	C1-190-2	167828.96	188474.07	1199.51	1182.31	0.00	0.00
Beals & Salt Valley	C1-191	167440.86	188566.80	1198.31	1181.11	0.00	0.00
Beals & Salt Valley	C1-191-2	167432.57	188531.49	1198.31	1181.11	0.00	0.00
Beals & Salt Valley	C1-19-2	173329.18	185644.28	1220.82	1202.22	0.00	0.00
Beals & Salt Valley	C1-193	166963.41	188622.78	1195.64	1179.64	0.00	0.24
Beals & Salt Valley	C1-193-2	166945.40	188600.03	1195.64	1179.64	0.00	0.00
Beals & Salt Valley	C1-195	166452.88	188708.07	1193.61	1177.91	0.00	0.00
Beals & Salt Valley	C1-195-2	166441.57	188664.86	1193.61	1177.91	0.00	0.00
Beals & Salt Valley	C1-197	165957.20	188773.84	1192.61	1176.21	0.00	0.00
Beals & Salt Valley	C1-197-2	165947.00	188742.65	1192.61	1176.21	0.00	0.00
Beals & Salt Valley	C1-2	176102.47	184234.86	1241.57	1214.97	0.00	0.00
Beals & Salt Valley	C1-3	176105.43	184510.14	1238.06	1213.46	0.00	9.66
Beals & Salt Valley	C1-36	172951.56	185866.40	1215.92	1200.92	0.00	0.00
Beals & Salt Valley	C1-36-2	172919.70	185808.10	1215.92	1200.92	0.00	0.00
Beals & Salt Valley	C1-37	172536.75	186036.94	1214.87	1199.57	0.00	0.00
Beals & Salt Valley	C1-37-2	172518.39	185981.03	1214.87	1199.57	0.00	0.00
Beals & Salt Valley	C1-38	172120.10	186208.24	1214.82	1198.22	0.00	0.00
Beals & Salt Valley	C1-38-2	172099.56	186155.77	1214.82	1198.22	0.00	0.00
Beals & Salt Valley	C1-382	165966.25	187889.21	1190.25	1180.29	0.00	0.00
Beals & Salt Valley	C1-39	171707.82	186379.16	1214.87	1196.87	0.00	0.00
Beals & Salt Valley	C1-391	166302.52	187430.25	1192.00	1181.03	0.00	0.00
Beals & Salt Valley	C1-39-2	171691.73	186329.54	1214.87	1196.87	0.00	0.00
Beals & Salt Valley	C1-396	166637.77	186965.21	1195.50	1181.49	0.00	0.00
Beals & Salt Valley	C1-40	171290.24	186550.83	1215.11	1195.51	0.00	0.00
Beals & Salt Valley	C1-40-2	171273.63	186515.51	1215.11	1195.51	0.00	0.00
Beals & Salt Valley	C1-402	166734.98	186478.42	1194.90	1182.50	0.00	0.00
Beals & Salt Valley	C1-41	171033.09	186732.27	1214.47	1194.57	0.00	0.00
Beals & Salt Valley	C1-41-2	171007.57	186668.91	1214.47	1194.57	0.00	0.00
Beals & Salt Valley	C1-412	166732.57	186120.22	1198.40	1182.84	0.00	0.00
Beals & Salt Valley	C1-42	170877.68	186678.60	1213.96	1194.16	0.00	0.00
Beals & Salt Valley	C1-42-2	170882.95	186627.53	1213.96	1194.16	0.00	0.70
Beals & Salt Valley	C1-43	170524.10	187067.18	1214.03	1192.58	0.00	0.00
Beals & Salt Valley	C1-43-2	170506.93	187035.43	1214.03	1192.58	0.00	0.32

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	C1-44	170196.79	187425.88	1213.16	1191.11	0.00	1.43
Beals & Salt Valley	C1-44-2	170170.03	187406.11	1213.16	1191.11	0.00	0.00
Beals & Salt Valley	C1-444	166928.82	185808.68	1200.70	1184.50	0.00	0.00
Beals & Salt Valley	C1-445	166994.65	185026.65	1203.00	1188.00	0.00	0.00
Beals & Salt Valley	C1-446	167014.00	184588.34	1204.14	1189.84	0.00	0.00
Beals & Salt Valley	C1-461	167102.18	185455.65	1202.70	1186.20	0.00	0.00
Beals & Salt Valley	C1-482	166828.11	185880.91	1200.74	1184.14	0.00	0.00
Beals & Salt Valley	C1-539	167045.70	184284.64	1208.60	1192.10	0.00	0.00
Beals & Salt Valley	C1-542	165591.44	188457.96	1189.50	1176.80	0.00	0.00
Beals & Salt Valley	C1-543	165602.23	188309.41	1190.40	1177.80	0.00	0.00
Beals & Salt Valley	C1-544	165602.24	188134.91	1190.70	1178.10	0.00	0.00
Beals & Salt Valley	C1-545	165605.72	187878.39	1192.37	1178.67	0.00	4.51
Beals & Salt Valley	C1-561	165628.04	187889.22	1191.07	1178.07	0.00	3.07
Beals & Salt Valley	C1-562	165625.51	188552.03	1189.61	1176.11	0.00	0.00
Beals & Salt Valley	C1-564	176080.04	184197.27	1240.20	1215.20	0.00	0.00
Beals & Salt Valley	C1-564-2	176044.77	184192.34	1240.20	1215.20	0.00	0.00
Beals & Salt Valley	C1-565	176036.56	184558.69	1234.34	1212.34	0.00	0.00
Beals & Salt Valley	C1-565-2	175978.98	184499.20	1234.34	1212.34	0.00	6.08
Beals & Salt Valley	C1-569	165706.42	188802.67	1193.96	1174.16	0.00	0.00
Beals & Salt Valley	C1-569-2	165702.50	188776.00	1193.96	1174.60	0.00	0.00
Beals & Salt Valley	C1-570	165617.71	188885.02	1193.88	1173.73	0.00	0.00
Beals & Salt Valley	C1-92	169924.86	187747.21	1215.91	1189.86	0.00	0.00
Beals & Salt Valley	C1-92-2	169894.04	187725.90	1215.91	1189.86	0.00	0.00
Beals & Salt Valley	C1-99	169556.12	188063.63	1211.63	1188.38	0.00	1.44
Beals & Salt Valley	C1-99-2	169536.54	188044.50	1211.63	1188.38	0.00	0.00
Beals & Salt Valley	D0-148	177495.57	181399.06	1254.20	1239.67	0.00	0.00
Beals & Salt Valley	D0-148-2	177481.98	181372.00	1254.20	1239.67	0.00	0.00
Beals & Salt Valley	D0-149	177880.51	180938.82	1253.80	1239.47	0.00	0.00
Beals & Salt Valley	D0-149-2	177845.03	180924.32	1253.80	1239.47	0.00	0.00
Beals & Salt Valley	D0-150	178017.52	180347.56	1257.30	1241.30	0.00	0.00
Beals & Salt Valley	D0-150-2	177974.21	180347.46	1257.30	1241.30	0.00	0.00
Beals & Salt Valley	D0-164	178061.28	180183.45	1257.85	1242.10	0.00	0.00
Beals & Salt Valley	D0-164-2	178034.34	180162.60	1257.85	1242.10	0.00	0.00
Beals & Salt Valley	D0-165	178408.96	179985.65	1259.64	1243.40	0.00	0.00
Beals & Salt Valley	D0-165-2	178390.70	179951.01	1259.64	1243.40	0.00	0.00
Beals & Salt Valley	D0-166	178739.76	179699.72	1263.85	1244.84	0.00	0.00
Beals & Salt Valley	D0-166-2	178706.97	179676.84	1263.85	1244.84	0.00	0.00
Beals & Salt Valley	D0-167	178961.84	179304.81	1262.10	1246.31	0.00	0.00
Beals & Salt Valley	D0-167-2	178936.03	179294.78	1262.10	1246.31	0.00	0.00
Beals & Salt Valley	D0-168	179138.22	178867.58	1265.03	1247.85	0.00	3.73
Beals & Salt Valley	D0-168-2	179122.87	178789.95	1265.03	1247.85	0.00	0.00
Beals & Salt Valley	D0-60	177199.49	181613.95	1247.39	1231.14	0.00	0.00
Beals & Salt Valley	D0-60-2	177161.26	181592.49	1247.39	1231.14	0.00	0.00
Beals & Salt Valley	D0-61	176801.73	181659.62	1247.00	1228.60	0.00	0.00
Beals & Salt Valley	D0-61-2	176789.99	181630.76	1247.00	1228.60	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Beals & Salt Valley	D0-62	176421.76	181702.78	1241.30	1226.31	0.00	0.00
Beals & Salt Valley	D0-62-2	176408.79	181675.65	1241.30	1226.31	0.00	0.00
Beals & Salt Valley	WWTP	163952.20	214544.78	1149.99	1119.99	0.00	0.00
Antelope Creek	B4-12	163307.85	204695.86	1159.58	1142.38	0.00	0.00
Antelope Creek	B4-302	164529.71	203037.38	1165.46	1151.10	0.00	0.00
Antelope Creek	B4-359	164341.15	203292.03	1161.17	1150.00	0.00	0.00
Antelope Creek	B4-486	163323.65	204639.14	1159.51	1142.50	0.00	3.53
Antelope Creek	B4-487	163475.81	204563.96	1158.77	1142.77	0.00	0.00
Antelope Creek	B4-5	163322.55	205149.55	1158.71	1147.20	0.00	0.00
Antelope Creek	B4-527	163666.79	204563.50	1162.06	1143.00	0.00	0.00
Antelope Creek	B4-536	163321.21	204931.69	1157.98	1147.80	0.00	0.00
Antelope Creek	B4-544	163750.25	204425.22	1162.01	1143.30	0.00	0.00
Antelope Creek	B4-547	164002.36	204009.84	1164.03	1144.00	0.00	0.00
Antelope Creek	B4-565	164315.91	203381.62	1161.08	1145.00	0.00	0.00
Antelope Creek	B4-566	164259.62	203250.46	1166.29	1145.20	0.00	0.00
Antelope Creek	B4-567	164528.36	202830.02	1153.03	1146.00	0.00	0.00
Antelope Creek	B4-568	164707.64	202462.03	1168.97	1149.40	0.00	0.00
Antelope Creek	B4-569	164870.50	202251.80	1169.82	1150.02	0.00	0.00
Antelope Creek	B4-570	165165.52	201902.52	1169.99	1151.30	0.00	0.00
Antelope Creek	B4-571	165360.30	201694.49	1170.75	1152.20	0.00	0.00
Antelope Creek	B4-572	165528.08	201536.56	1172.94	1152.90	0.00	0.00
Antelope Creek	B4-576	164186.16	203646.62	1164.64	1144.60	0.00	0.00
Antelope Creek	B4-584	164531.01	203290.93	1169.34	1150.70	0.00	0.00
Antelope Creek	B4-586	164358.33	203292.11	1166.08	1150.00	0.00	0.00
Antelope Creek	B4-587	164454.22	203291.58	1169.34	1150.70	0.00	0.00
Antelope Creek	B4-6	163309.85	205115.54	1158.54	1141.94	0.00	0.00
Antelope Creek	B4-650	163321.21	204801.37	1159.02	1148.10	0.00	0.00
Antelope Creek	B4-684	162918.75	205260.80	1158.74	1141.30	0.00	0.00
Antelope Creek	B4-685	163022.91	204932.48	1159.02	1141.90	0.00	0.00
Antelope Creek	B4-686	163251.77	204657.76	1159.51	1142.50	0.00	0.00
Antelope Creek	B4-687	163281.75	204630.83	1160.10	1142.60	0.00	0.00
Antelope Creek	B4-688	163308.52	204776.72	1149.18	1142.29	0.00	0.00
Antelope Creek	B4-7	163295.82	205148.29	1158.71	1141.90	0.00	0.00
Antelope Creek	B4-ADD	164731.95	202759.24	1164.25	1153.20	0.00	0.00
Antelope Creek	B5-139	163213.67	206556.57	1152.48	1138.84	0.00	0.00
Antelope Creek	B5-148	162964.50	206746.64	1154.45	1139.40	0.00	0.00
Antelope Creek	B5-17	162961.06	206579.19	1152.00	1139.60	0.00	0.00
Antelope Creek	B5-211	162561.22	207971.26	1151.64	1137.10	0.00	0.00
Antelope Creek	B5-212	162163.11	207974.45	1150.98	1136.20	0.00	0.00
Antelope Creek	B5-236	161897.88	208723.27	1150.04	1134.50	0.00	0.00
Antelope Creek	B5-237	162106.01	208483.16	1148.10	1135.40	0.00	0.00
Antelope Creek	B5-267	161899.49	208931.41	1148.90	1134.10	0.00	0.00
Antelope Creek	B5-287	161354.92	209310.53	1147.60	1132.60	0.00	0.00
Antelope Creek	B5-289	161395.18	209224.59	1147.89	1132.70	0.00	0.00
Antelope Creek	B5-291	161721.50	208971.40	1150.10	1133.70	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Antelope Creek	B5-317	161169.52	209706.24	1148.44	1131.60	0.00	0.00
Antelope Creek	B5-486	162337.91	210538.71	1155.80	1128.00	0.00	0.00
Antelope Creek	B5-487	162337.61	210244.75	1150.00	1128.40	0.00	0.00
Antelope Creek	B5-488	162337.33	209975.02	1149.00	1128.70	0.00	0.00
Antelope Creek	B5-489	162741.75	209972.49	1149.40	1129.30	0.00	0.00
Antelope Creek	B5-490	163168.91	209965.92	1149.90	1129.80	0.00	0.00
Antelope Creek	B5-491	163167.66	209637.96	1149.37	1130.20	0.00	0.00
Antelope Creek	B5-492	163166.35	209293.63	1149.10	1130.70	0.00	0.00
Antelope Creek	B5-493	163493.74	209289.23	1150.70	1131.14	0.00	0.00
Antelope Creek	B5-494	163492.61	208946.71	1154.60	1131.58	0.00	0.00
Antelope Creek	B5-495	163491.56	208633.22	1150.88	1131.98	0.00	0.00
Antelope Creek	B5-496	163498.80	208321.84	1153.60	1132.38	0.00	0.00
Antelope Creek	B5-498	163497.79	208017.03	1139.78	1132.94	0.00	0.00
Antelope Creek	B5-500	163490.31	207805.50	1168.06	1133.05	0.00	2.38
Antelope Creek	B5-508	163492.91	209037.19	1149.46	1131.46	0.00	0.00
Antelope Creek	B5-515	163484.83	207445.05	1152.07	1134.41	0.00	0.00
Antelope Creek	B5-516	163483.41	207091.70	1152.41	1135.72	0.00	0.00
Antelope Creek	B5-517	163490.25	206744.79	1153.32	1136.47	0.00	0.00
Antelope Creek	B5-520	163210.19	206358.35	1155.04	1139.04	0.00	0.00
Antelope Creek	B5-522	163208.19	205952.20	1155.38	1139.70	0.00	0.00
Antelope Creek	B5-524	163207.31	205550.97	1157.43	1140.40	0.00	0.00
Antelope Creek	B5-526	163206.73	205420.81	1159.23	1140.63	0.00	0.00
Antelope Creek	B5-527	163166.62	205381.06	1158.62	1140.70	0.00	0.00
Antelope Creek	B5-528	162949.00	205382.32	1157.65	1141.10	0.00	0.00
Antelope Creek	B5-531	163238.49	205387.40	1158.66	1141.60	0.00	0.00
Antelope Creek	B5-532	163324.84	205382.01	1159.12	1146.20	0.00	0.00
Antelope Creek	B5-533	163324.46	205361.14	1158.77	1146.00	0.00	0.00
Antelope Creek	B5-547	161216.99	209604.92	1145.98	1131.90	0.00	0.00
Antelope Creek	B5-620	162965.05	206884.04	1152.25	1139.30	0.00	0.00
Antelope Creek	B5-621	162878.97	207046.24	1153.92	1139.10	0.00	0.00
Antelope Creek	B5-622	162882.66	207522.78	1153.52	1138.70	0.00	0.00
Antelope Creek	B5-623	162796.46	207978.81	1153.98	1138.20	0.00	0.00
Antelope Creek	B5-626	163488.75	207614.38	1152.08	1133.77	0.00	0.00
Antelope Creek	B5-632	160391.37	209552.34	1149.87	1135.40	0.00	0.00
Antelope Creek	B5-633	160689.50	209735.01	1147.60	1133.50	0.00	0.00
Antelope Creek	B5-634	161145.60	209796.72	1148.55	1131.00	0.00	0.00
Antelope Creek	B5-635	161010.84	209921.87	1147.11	1130.50	0.00	1.44
Antelope Creek	B5-637	160795.35	210281.75	1146.14	1130.10	0.00	0.00
Antelope Creek	B5-638	160993.17	210408.03	1145.35	1129.90	0.00	0.00
Antelope Creek	B5-88	163216.96	205957.63	1155.16	1140.90	0.00	0.00
Antelope Creek	C2-580	176185.39	194689.51	1215.81	1201.80	0.00	0.00
Antelope Creek	C2-581	176168.90	194185.15	1217.16	1203.10	0.00	0.00
Antelope Creek	C2-582	176157.54	194063.23	1217.00	1204.70	0.00	0.00
Antelope Creek	C2-584	176120.27	193688.45	1222.56	1209.00	0.00	0.00
Antelope Creek	C2-585	176114.10	193527.78	1220.70	1210.40	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Antelope Creek	C2-586	176127.16	193275.37	1222.98	1212.10	0.00	0.00
Antelope Creek	C2-587	176138.04	193190.05	1223.26	1212.70	0.00	0.00
Antelope Creek	C2-X50	176161.50	193026.00	1225.05	1214.10	0.00	0.00
Antelope Creek	C3-178	172314.80	196518.82	1204.40	1189.00	0.00	0.00
Antelope Creek	C3-378	168224.79	199552.51	1181.49	1168.20	0.00	0.00
Antelope Creek	C3-380	168343.69	199464.74	1182.31	1168.80	0.00	0.00
Antelope Creek	C3-444	175526.85	194724.79	1208.60	1195.50	0.00	0.00
Antelope Creek	C3-450	175086.05	194759.59	1206.89	1193.60	0.00	0.00
Antelope Creek	C3-461	174836.96	195078.16	1211.32	1192.00	0.00	0.00
Antelope Creek	C3-462	174668.33	195344.22	1211.79	1190.70	0.00	0.00
Antelope Creek	C3-477	174545.87	195358.76	1199.60	1190.29	0.00	0.00
Antelope Creek	C3-488	174080.78	195430.25	1200.85	1188.30	0.00	0.00
Antelope Creek	C3-536	169853.27	197858.97	1192.48	1169.80	0.00	0.00
Antelope Creek	C3-554	173513.00	195699.65	1204.02	1185.50	0.00	0.00
Antelope Creek	C3-555	173064.33	195617.15	1206.96	1183.90	0.00	0.00
Antelope Creek	C3-556	172610.17	195808.52	1199.36	1181.40	0.00	0.00
Antelope Creek	C3-557	172260.14	195846.68	1197.89	1180.30	0.00	0.00
Antelope Creek	C3-558	171995.56	195879.61	1201.59	1179.00	0.00	0.00
Antelope Creek	C3-559	171610.10	196003.60	1199.38	1177.80	0.00	0.00
Antelope Creek	C3-560	171304.60	196243.53	1195.90	1176.70	0.00	0.00
Antelope Creek	C3-561	170979.35	196576.47	1194.11	1175.30	0.00	5.06
Antelope Creek	C3-562	170598.00	196848.42	1189.06	1173.80	0.00	0.00
Antelope Creek	C3-563	170267.49	197045.54	1194.22	1172.60	0.00	0.00
Antelope Creek	C3-564	170265.56	197320.84	1192.86	1171.90	0.00	0.00
Antelope Creek	C3-565	170185.22	197522.05	1192.00	1171.30	0.00	0.00
Antelope Creek	C3-567	169583.70	198184.98	1187.45	1168.90	0.00	0.00
Antelope Creek	C3-568	169120.57	198516.35	1185.20	1167.80	0.00	0.00
Antelope Creek	C3-569	168862.98	198900.52	1186.49	1166.60	0.00	0.00
Antelope Creek	C3-570	168677.39	199249.60	1183.43	1165.50	0.00	0.00
Antelope Creek	C3-571	168205.47	199551.54	1182.31	1164.24	0.00	0.00
Antelope Creek	C3-572	167981.06	199687.90	1181.74	1164.20	0.00	0.00
Antelope Creek	C3-573	167615.81	199869.56	1181.12	1163.30	0.00	0.00
Antelope Creek	C3-578	176165.66	194736.35	1210.14	1198.10	0.00	3.90
Antelope Creek	C3-612	172237.75	196079.08	1200.70	1183.00	0.00	0.00
Antelope Creek	C3-624	168665.63	199252.53	1182.89	1170.10	0.00	0.00
Antelope Creek	C3-635	173593.96	195678.43	1205.88	1186.20	0.00	0.00
Antelope Creek	C3-67	173929.18	195675.96	1202.96	1187.30	0.00	0.00
Antelope Creek	C4-511	167110.45	200283.03	1179.90	1159.10	0.00	0.00
Antelope Creek	C4-512	166847.64	200520.90	1204.22	1158.05	0.00	7.53
Antelope Creek	C4-513	166647.05	200821.16	1175.50	1157.00	0.00	0.00
Antelope Creek	C4-514	166329.66	201097.37	1174.44	1155.70	0.00	0.00
Antelope Creek	C4-516	167378.06	200105.08	1180.33	1161.00	0.00	0.00
Antelope Creek	C4-569	165733.97	201448.90	1173.01	1153.50	0.00	0.00
Antelope Creek	C4-570	165907.86	201221.01	1173.99	1154.40	0.00	0.00
Antelope Creek	D1-163	179950.57	187811.53	1268.80	1258.80	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Antelope Creek	D1-21	178652.68	188970.42	1265.89	1254.80	0.00	0.00
Antelope Creek	D1-22	178909.45	188726.91	1266.93	1255.70	0.00	0.00
Antelope Creek	D1-23	179196.47	188457.17	1267.06	1256.70	0.00	0.00
Antelope Creek	D1-24	179497.57	188261.35	1266.99	1257.60	0.00	0.00
Antelope Creek	D1-25	179754.78	187937.35	1265.90	1258.60	0.00	0.00
Antelope Creek	D1-30	179005.60	188636.56	1278.24	1256.00	0.00	0.00
Antelope Creek	D1-31	178946.01	188692.56	1267.55	1255.80	0.00	0.00
Antelope Creek	D1-312	180115.01	187763.26	1267.70	1259.00	0.00	7.34
Antelope Creek	D1-4	178311.59	189333.01	1265.10	1254.40	0.00	0.00
Antelope Creek	D1-42	179637.20	188085.47	1267.10	1258.10	0.00	0.00
Antelope Creek	D1-427	186690.53	185404.14	1305.25	1295.00	0.00	0.00
Antelope Creek	D1-428	186688.53	185935.97	1304.53	1291.50	0.00	0.00
Antelope Creek	D1-429	186336.04	186284.41	1300.80	1288.90	0.00	0.00
Antelope Creek	D1-430	185863.54	186551.70	1293.42	1286.80	0.00	0.00
Antelope Creek	D1-431	185583.37	187019.44	1293.46	1283.30	0.00	0.00
Antelope Creek	D1-432	185234.53	187223.36	1292.00	1282.80	0.00	0.00
Antelope Creek	D1-433	185012.92	187456.92	1287.89	1277.90	0.00	0.00
Antelope Creek	D1-434	185127.58	187618.55	1284.79	1276.40	0.00	0.00
Antelope Creek	D1-435	185243.82	187831.33	1287.14	1275.90	0.00	0.00
Antelope Creek	D1-436	184844.61	188040.43	1284.14	1274.20	0.00	0.00
Antelope Creek	D1-437	184658.96	188276.29	1281.62	1273.10	0.00	0.00
Antelope Creek	D1-440	184144.85	188707.31	1272.97	1266.80	0.00	0.00
Antelope Creek	D1-441	184058.75	188820.04	1273.13	1266.79	0.00	0.00
Antelope Creek	D1-442	184087.79	189063.29	1276.35	1264.90	0.00	0.00
Antelope Creek	D1-443	184073.64	189334.33	1276.05	1263.10	0.00	0.00
Antelope Creek	D1-444	183694.10	189336.29	1272.79	1259.50	0.00	0.00
Antelope Creek	D1-510	185854.70	186578.11	1299.18	1286.18	0.00	0.00
Antelope Creek	D1-547	184995.50	188012.34	1285.23	1274.50	0.00	0.00
Antelope Creek	D1-548	184287.68	188706.28	1278.31	1268.60	0.00	0.00
Antelope Creek	D1-550	185237.22	187782.92	1286.06	1276.00	0.00	0.00
Antelope Creek	D1-582	183387.86	189339.36	1269.48	1258.00	0.00	6.37
Antelope Creek	D2-130	177085.02	190821.28	1264.33	1247.40	0.00	3.16
Antelope Creek	D2-16	177916.52	189602.62	1270.28	1252.10	0.00	0.00
Antelope Creek	D2-161	182315.60	192007.76	1270.09	1255.50	0.00	0.00
Antelope Creek	D2-17	177503.42	189875.05	1271.81	1250.70	0.00	0.00
Antelope Creek	D2-177	182912.68	190635.60	1267.00	1256.60	0.00	0.00
Antelope Creek	D2-178	183039.77	190023.06	1267.01	1257.00	0.00	0.00
Antelope Creek	D2-179	183352.40	189836.42	1269.00	1257.20	0.00	0.00
Antelope Creek	D2-18	177511.77	190204.98	1269.71	1249.70	0.00	0.00
Antelope Creek	D2-19	177223.75	190677.83	1263.66	1248.00	0.00	0.00
Antelope Creek	D2-20	177037.72	190856.27	1261.34	1247.20	0.00	0.00
Antelope Creek	D2-21	176853.43	191060.77	1263.45	1246.40	0.00	0.00
Antelope Creek	D2-22	176853.08	191499.03	1254.50	1242.60	0.00	0.00
Antelope Creek	D2-23	176852.95	191750.56	1242.26	1231.60	0.00	0.00
Antelope Creek	D2-24	176848.81	191996.12	1233.57	1224.30	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Antelope Creek	D2-25	176169.44	192007.58	1236.70	1222.30	0.00	3.32
Antelope Creek	D2-255	176176.05	192600.03	1227.86	1217.50	0.00	0.00
Antelope Creek	D2-256	176201.94	194678.74	1213.97	1201.70	0.00	0.00
Antelope Creek	D2-257	176465.46	194677.85	1216.63	1202.80	0.00	0.00
Antelope Creek	D2-258	176695.48	194677.08	1219.75	1203.70	0.00	0.00
Antelope Creek	D2-259	177135.53	194675.60	1222.11	1205.50	0.00	0.00
Antelope Creek	D2-26	176172.42	192274.48	1232.96	1220.10	0.00	0.00
Antelope Creek	D2-282	177410.00	190372.04	1265.13	1249.10	0.00	0.00
Antelope Creek	D2-381	183363.50	189828.87	1269.11	1257.70	0.00	0.00
Antelope Creek	D2-382	183039.56	190027.32	1266.16	1257.40	0.00	0.00
Antelope Creek	D2-383	182920.46	190608.10	1265.95	1257.00	0.00	0.00
Antelope Creek	D2-384	183060.91	190700.13	1266.35	1256.90	0.00	0.00
Antelope Creek	D2-385	182765.70	191077.91	1264.79	1256.50	0.00	0.00
Antelope Creek	D2-386	182396.52	191550.51	1264.47	1256.10	0.00	0.00
Antelope Creek	D2-387	182066.45	191979.46	1262.53	1255.70	0.00	0.00
Antelope Creek	D2-388	182077.93	192191.83	1260.71	1255.50	0.00	0.00
Antelope Creek	D2-389	182201.88	192455.07	1262.85	1255.30	0.00	0.00
Antelope Creek	D2-390	182019.83	192694.01	1261.69	1255.10	0.00	0.00
Antelope Creek	D2-391	181652.39	192914.35	1262.82	1254.80	0.00	0.00
Antelope Creek	D2-392	181660.26	192937.02	1262.38	1254.80	0.00	0.00
Antelope Creek	D2-42	181433.90	193605.98	1267.46	1254.30	0.00	0.00
Antelope Creek	D2-43	181085.16	193825.21	1269.66	1253.10	0.00	0.00
Antelope Creek	D2-44	180725.80	194052.31	1271.12	1251.90	0.00	0.00
Antelope Creek	D2-45	180418.83	194318.11	1271.35	1250.60	0.00	0.00
Antelope Creek	D2-46	180173.36	194671.00	1272.46	1249.30	0.00	0.00
Antelope Creek	D2-48	176173.15	192897.00	1226.50	1215.20	0.00	0.00
Antelope Creek	D2-56	176177.51	192776.32	1227.50	1216.20	0.00	0.00
Antelope Creek	D2-67	181447.04	193114.80	1258.01	1254.50	0.00	0.00
Antelope Creek	D2-68	181729.39	192892.76	1263.83	1254.80	0.00	0.00
Antelope Creek	D2-69	182032.14	192710.09	1263.73	1255.10	0.00	0.00
Antelope Creek	D2-70	182262.26	192246.88	1268.13	1255.40	0.00	0.00
Antelope Creek	D2-71	182467.91	191793.69	1272.27	1255.73	0.00	0.00
Antelope Creek	D2-72	182847.77	191333.41	1275.08	1256.08	0.00	0.00
Antelope Creek	D2-73	183220.13	190881.77	1270.72	1256.70	0.00	0.00
Antelope Creek	D3-10	178516.11	195025.39	1230.30	1219.90	0.00	0.00
Antelope Creek	D3-11	178857.26	195361.33	1238.65	1222.70	0.00	0.00
Antelope Creek	D3-16	179458.20	195663.21	1273.10	1245.50	0.00	0.00
Antelope Creek	D3-17	179253.87	195816.69	1271.74	1244.74	0.00	0.00
Antelope Creek	D3-18	179057.75	195817.00	1248.89	1229.50	0.00	0.00
Antelope Creek	D3-19	178857.93	195812.99	1238.56	1225.40	0.00	0.00
Antelope Creek	D3-3	178183.71	194698.47	1228.30	1217.10	0.00	0.00
Antelope Creek	D3-4	177664.66	194709.31	1225.40	1213.10	0.00	0.00
Antelope Creek	D3-407	179724.07	195359.98	1273.18	1246.80	0.00	0.00
Antelope Creek	D3-408	179942.93	195025.11	1272.98	1248.00	0.00	0.00
Antelope Creek	D3-5	177164.61	194710.99	1222.25	1209.10	0.00	0.00

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
Antelope Creek	D3-543	176669.52	194734.00	1218.64	1203.60	0.00	0.00
Antelope Creek	E0-17	187610.00	184103.48	1314.50	1306.00	0.00	4.96
Antelope Creek	E0-4	188145.03	184103.13	1331.70	1311.80	0.00	2.18
Antelope Creek	E1-1	187516.62	184391.86	1312.34	1304.50	0.00	0.00
Antelope Creek	E1-2	187137.00	184549.61	1308.41	1302.00	0.00	0.00
Antelope Creek	E1-3	186952.33	184926.65	1306.04	1298.70	0.00	0.00
Antelope Creek	E1-4	186812.32	185334.53	1307.21	1295.30	0.00	0.00
Antelope Creek	E1-93	187591.79	184160.91	1321.85	1305.40	0.00	0.00
	C8-19	176229.56	226374.66	1135.00	1116.07	0.00	0.00
	D1S-900	180066.62	174076.22	1293.80	1278.80	0.00	1.01
	D1S-905	180576.29	172782.45	1298.29	1283.29	0.00	4.68
	D7-403	176294.51	221152.07	1150.48	1138.02	0.00	0.00
	B1S-95	163152.90	173619.18	1200.54	1185.54	0.00	0.00
	B1S-96	163077.08	173671.08	1202.31	1187.31	0.00	6.73
	B4-717	155893.45	200713.34	1153.45	1136.85	0.00	0.00
	B4-718	155895.37	201116.96	1152.58	1136.38	0.00	0.00
	B4-719	155876.38	202334.15	1150.35	1135.55	0.00	0.00
	B5-139-2	163274.07	206590.34	1155.00	1137.70	0.00	0.00
	B5-139-3	163356.67	206606.83	1155.00	1125.40	0.00	0.00
	B5-139-4	163431.00	206661.76	1155.00	1125.40	0.00	0.00
	B5-139-5	163425.50	206714.95	1155.00	1136.54	0.00	0.00
	D8-187	176460.63	221261.49	1150.00	1138.22	0.00	0.00
	D8-24	176735.27	221215.73	1149.80	1138.56	0.00	0.00
	D8-25	176673.20	221263.88	1149.56	1138.45	0.00	0.00
	MH-10	163011.54	168844.46	1192.00	1174.85	0.00	0.00
	MH-11	163317.26	168328.19	1195.00	1175.43	0.00	0.00
	MH-12	163754.97	167957.50	1193.25	1175.99	0.00	0.00
	MH-4	161479.87	171821.77	1183.25	1171.66	0.00	0.00
	MH-5	161677.47	171445.85	1182.00	1172.00	0.00	0.00
	MH-6	161886.44	170919.92	1183.50	1172.54	0.00	0.00
	MH-7	162113.94	170736.21	1189.50	1173.12	0.00	0.00
	MH-8	162382.69	169877.00	1187.50	1173.70	0.00	0.00
	MH-9	162688.40	169360.73	1190.50	1174.28	0.00	0.00
	N1474	154291.91	205842.15	1147.42	1142.42	0.00	0.00
	N1475	167217.34	218573.55	1145.00	1130.00	0.00	0.00
	N1477	163382.29	214749.26	1145.50	1107.50	0.00	0.00
	N1478	138614.21	217737.41	1163.00	1136.74	0.00	0.00
	N1479	138699.90	217734.36	1163.00	1136.74	0.00	0.00
	N1482	138610.05	217659.95	1163.00	1136.89	0.00	0.00
	N1483	138697.49	217660.91	1163.00	1136.89	0.00	0.00
	N751	160655.87	212623.76	1149.00	1110.10	0.00	0.00
	N752	160778.97	212627.90	1149.00	1110.10	0.00	0.00
	SB1-10	169451.40	169089.20	1217.60	1200.23	0.00	0.00
	SB1-11	169955.97	168810.50	1222.00	1203.27	0.00	0.00
	SB1-12	170275.72	168617.37	1225.20	1204.91	0.00	1.54

Table A8 - Manhole Tier 3 Conditions

Basin	Model ID	Coordinates		Ground Elevation (ft)	Invert Elevation (ft)	Maximum Water Surface	Sanitary Inflow (cfs)
		X-Coord	Y-Coord				
	SB1-13	170551.85	168956.48	1216.00	1206.98	0.00	0.00
	SB1-14	170936.86	169144.60	1226.00	1209.55	0.00	7.60
	SB1-15	171111.05	169162.03	1227.60	1210.56	0.00	0.00
	SB4-57	164111.75	167374.88	1193.25	1176.50	0.00	23.79
	SB4-58	164922.44	167462.40	1192.90	1179.80	0.00	0.39
	SB4-59	165491.30	167500.65	1200.10	1181.39	0.00	0.00
	SB4-60	166038.94	167515.15	1197.60	1182.52	0.00	0.00
	SB4-61	166686.24	167509.84	1200.30	1183.76	0.00	1.75
	SB4-62	166712.50	167560.92	1200.60	1184.07	0.00	0.00
	SB4-63	167077.19	167863.23	1202.90	1184.92	0.00	0.64
	SB4-64	167349.43	168215.01	1206.30	1186.39	0.00	0.37
	SB4-65	168022.58	168537.28	1209.10	1188.45	0.00	0.97
	SB4-66	168783.73	168901.66	1213.00	1192.35	0.00	4.59
	SW-1	156696.87	184170.20	1174.02	1144.25	0.00	0.00
	SW-2	156818.61	183116.78	1175.44	1145.68	0.00	0.00
	SW-3	156875.41	181593.40	1177.62	1147.86	0.00	0.00
	SW-4	156994.10	179746.26	1180.02	1150.26	0.00	0.00
	SW-5	156845.42	178213.61	1182.12	1152.36	0.00	0.00
	SW-6	150871.26	178224.93	1203.02	1168.36	0.00	34.22
	SW-7	152937.69	178185.46	1197.92	1163.26	0.00	26.45
	SW-8	155064.80	178194.77	1192.47	1157.81	0.00	0.00
	SW-9	156891.21	176205.41	1187.12	1158.36	0.00	37.32