

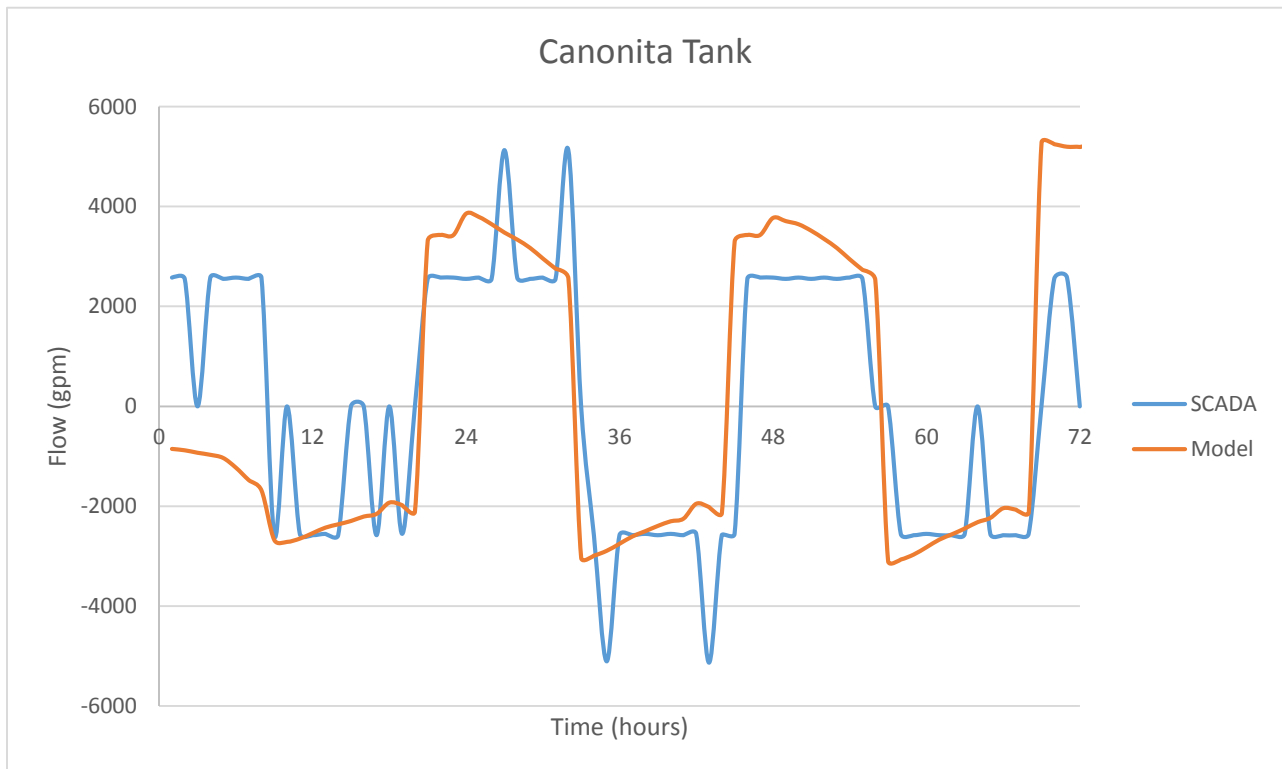
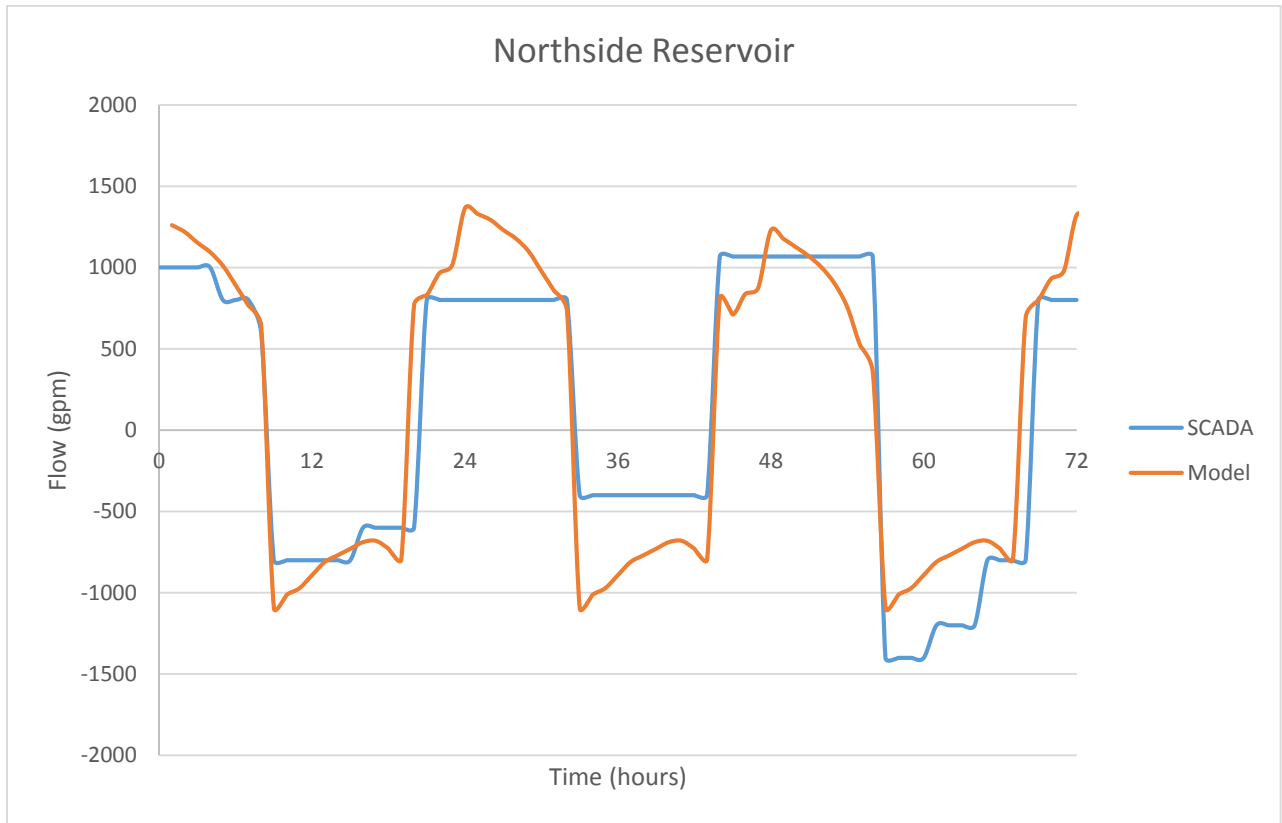


APPENDIX F

Hydraulic Modeling Results

Water Calibration Data

Morro Tank Filling Scenario – Tank Calibration



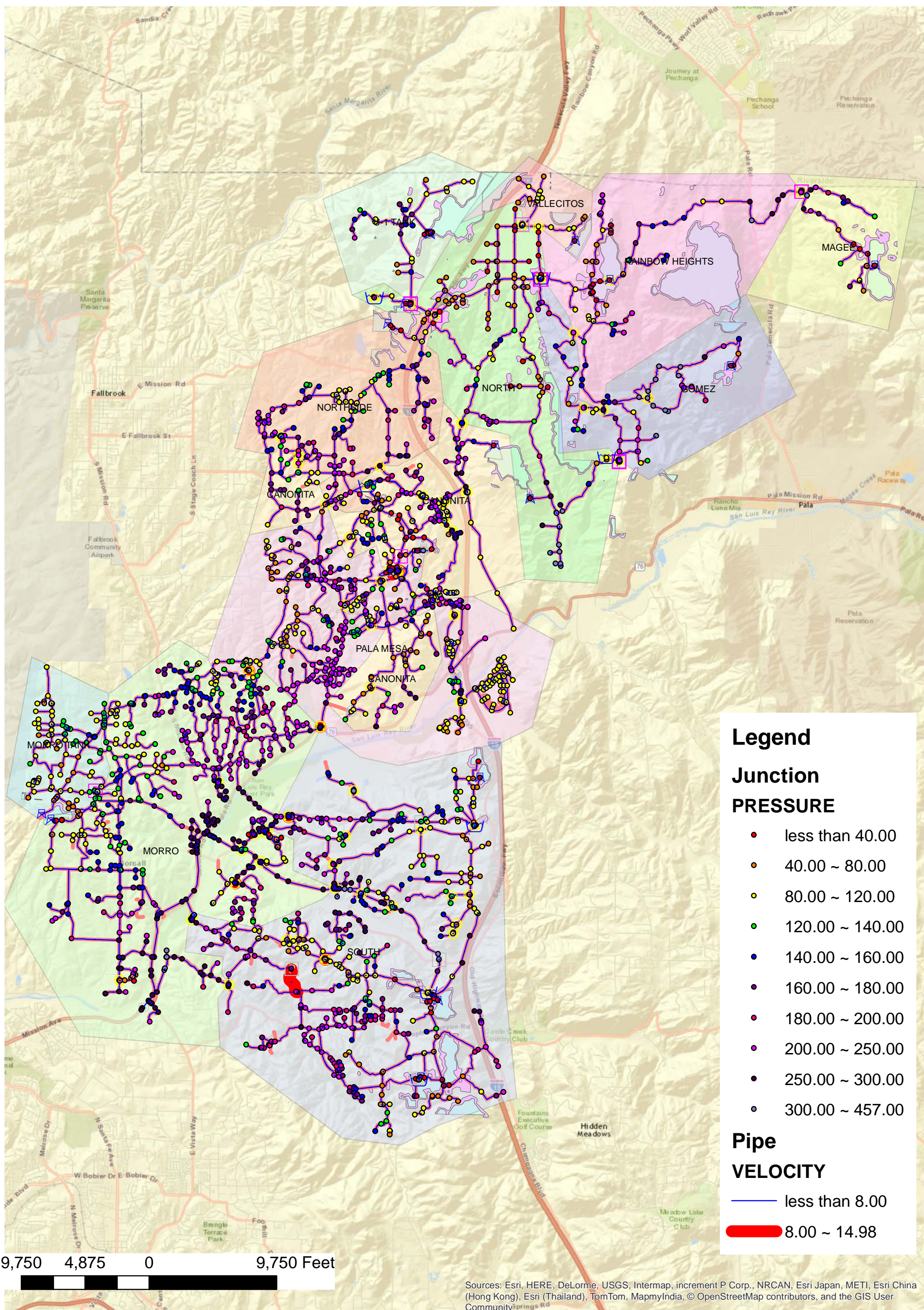


Pump Station Calibration Information – Morro Tank Filling

Date	PS#2 (U-1)					PS #4 (Northside)				PS #1 (Rainbow Heights)					PS #3 (Vallecitos)			PS#5 (Morro Tank)			PS#7 (Magee)				PS#6 (Gomez/Huntley)					
	Suction	Discharge	#1 Run Hrs	#2 Run Hrs	#3 Run Hrs	Suction	Discharge	A Run Hrs	C Run Hrs	Suction	Discharge	#4 Run Hrs	#5 Run Hrs	#6 Run Hrs	#7 Run Hrs	Suction	Discharge	#2 Run Hrs	Suction	Discharge	Run Hrs	Suction	Discharge	#1 Run Hrs	#2 Run Hrs	Suction	Discharge	#1 Run Hrs	#2 Run Hrs	#3 Run Hrs
8/12/2014	23	170	0	0	2	55	75	0	0	33	355	0	1	10	10	58	105	0	108	122	2	255	330	0	1	29	250	4	4	0
8/13/2014	23	170	0	4	0	48	74	9	0	24	360	0	2	10	10	50	0	0	110	123	2	235	350	4	1	31	248	9	6	0
8/14/2014	18	170	7	0	3	50	76	11	0	20	355	0	0	15	19	50	0	0	111	122	3	250	335	1	2	44	250	9	7	0
8/15/2014	18	170	6	0	6	50	73	0	0	22	350	0	4	11	11	48	100	9	110	125	6	252	339	3	2	32	250	8	8	0
8/16/2014	20	170	5	5	0	48	78	12	11	22	350	0	0	12	12	48	110	11	110	125	0	252	339	0	0	32	250	7	7	0
8/17/2014	20	170	0	0	0	48	78	0	0	22	350	0	0	0	0	48	110	8	110	125	6	250	338	0	0	32	250	0	9	0
8/18/2014	20	171	3	3	3	50	74	0	0	22	350	0	0	14	11	48	110	6	110	125	0	250	338	0	0	30	250	9	8	0
8/19/2014	21	171	0	0	0	50	78	12	13	23	350	0	0	12	11	48	104	9	110	125	7	253	339	0	0	30	249	4	4	0
8/20/2014	22	173	0	5	5	50	78	0	0	25	350	0	0	0	0	49	110	8	110	125	0	253	339	0	0	32	250	9	11	0
8/21/2014	22	173	0	0	0	50	75	0	0	21	370	0	14	9	10	48	108	0	110	125	0	252	331	0	0	30	253	5	5	0
8/22/2014	21	172	5	5	0	48	80	2	0	28	255	0	2	1	11	50	108	7	120	126	5	252	331	0	0	30	252	6	0	0
8/23/2014	22	171	0	0	0	50	77	11	0	23	350	0	0	11	10	45	103	8	120	124	0	252	335	0	0	32	250	0	9	0
8/24/2014	22	172	0	0	8	50	77	0	0	24	360	0	4	4	0	47	102	7	120	126	4	252	332	0	0	32	250	4	7	0
8/25/2014	22	170	0	0	0	52	74	0	0	25	350	0	10	10	0	50	105	4	121	126	0	250	339	5	0	34	250	7	0	13
8/26/2014	21	171	5	4	0	48	76	12	0	21	346	0	17	11	12	42	105	6	120	126	6	255	339	0	0	79	250	0	9	9
8/27/2014	21	169	0	0	0	52	74	0	0	22	350	0	0	9	0	46	100	7	120	126	0	250	330	0	0	30	250	9	9	0
8/28/2014	19	170	1	9	4	46	82	12	0	22	352	0	7	9	12	48	105	10	122	128	6	250	330	0	0	32	250	3	2	3
8/29/2014	22	170	0	1	0	50	76	0	0	22	345	0	0	0	0	42	105	7	120	125	0	250	338	0	0	32	250	9	9	0
8/30/2014	21	170	0	10	0	56	84	2	2	27	350	0	12	0	11	41	111	8	120	128	7	250	330	0	0	29	250	0	7	4
8/31/2014	21	170	0	0	0	52	78	1	1	23	360	0	0	16	16	47	102	8	121	125	0	250	330	7	0	34	250	9	0	8
9/1/2014	20	167	0	0	0	50	76	0	0	22	350	0	0	3	3	46	105	8	121	124	0	250	330	1	0	28	250	6	0	5

SCADA tot:	109	SCADA tot:	111	SCADA tot:	409	SCADA tot:	131	SCADA tot:	54	SCADA tot:	27	SCADA tot:	280
Model tot:	115	Model tot:	110	Model tot:	393	Model tot:	130	Model tot:	50	Model tot:	28	Model tot:	261
% Diff =	0.05	% Diff =	0.01	% Diff =	0.04	% Diff =	0.01	% Diff =	0.07	% Diff =	0.04	% Diff =	0.07

Maximum Daily Flow Hydraulic Model Output



Legend

Junction PRESSURE

- less than 40.00
- 40.00 ~ 80.00
- 80.00 ~ 120.00
- 120.00 ~ 140.00
- 140.00 ~ 160.00
- 160.00 ~ 180.00
- 180.00 ~ 200.00
- 200.00 ~ 250.00
- 250.00 ~ 300.00
- 300.00 ~ 457.00

Pipe VELOCITY

- less than 8.00
- 8.00 ~ 14.98

9,750 4,875 0 9,750 Feet

Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



Maximum Day Demand - Peak Hour Pipe Velocity and Junction Pressure Model Output

Node Report – Peak Hour Demand Scenario

ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
1	15.72	440	941.11	217.13	100116	0	690	864.81	75.74
10	33.33	510	936.45	184.78	100118	0	690	945.87	110.87
100	0	570	863.46	127.15	10012	11.94	850	937.83	38.05
1000	5.85	730	1,221.66	213.04	100120	0	690	872.46	79.06
10000	0	210	523.87	136	100122	0	690	937.95	107.44
100000	64.67	590	1,166.59	249.83	100124	13.97	460	855.14	171.22
100002	0	1,370.00	1,942.05	247.87	100126	0	290	571.74	122.08
100008	0	740	1,221.70	208.72	100128	0	290	571.74	122.08
10001	0	254	853.37	259.71	10013	0	250	852.77	261.18
100010	0	740	970.78	100	100138	1.3	280	815.19	231.9
100012	0	740	1,221.70	208.72	10014	0	660	972.48	135.4
100014	0	740	970.78	100	100140	2.22	390	881.5	212.97
100016	38.39	720	1,169.24	194.66	100142	0	610	778.47	73
100018	0	660	960.02	130	100144	0	610	778.7	73.1
10002	0	420	930.22	221.08	100146	0	540	795.62	110.76
100020	0	660	985.18	140.9	100148	6.5	540	795.62	110.76
100022	0	660	1,169.24	220.65	10015	0	250	941.09	299.45
100024	0	660	1,169.24	220.65	100154	0	890	882.49	-3.25
100026	0	660	985.18	140.9	100156	4.97	1,000.00	1,252.12	109.24
100028	0	410	951.84	234.78	100158	3.61	830	882.46	22.73
10003	0	254	852.97	259.53	10016	16.56	1,460.00	1,936.88	206.63
100030	0	410	626.74	93.91	100160	0	810	935.8	54.51
100032	0	400	951.84	239.11	100168	1.99	1,040.00	1,250.28	91.11
100034	0	400	626.74	98.24	10017	0.08	250	940.54	299.21
100036	0	420	974.89	240.43	100172	1.74	580	972.46	170.05
100038	0	420	639.25	95	100174	0	660	972.48	135.4
100040	0	350	944.38	257.55	10018	0	1,570.00	1,937.74	159.34
100042	0	350	626.74	119.91	100182	7.95	500	798.87	129.5
100044	0	350	944.17	257.46	10019	0	480	884.5	175.27
100046	0	350	626.94	120	1002	2.29	740	1,221.64	208.7
100048	0	350	522.77	74.86	10020	0	1,080.00	1,185.02	45.5
10005	0	254	940.61	297.51	10021	4.14	200	854.81	283.73
100050	0	350	943.63	257.22	10022	0	1,160.00	1,170.33	4.47
100052	0	350	523.08	75	10023	0	239	856.34	267.49
100054	0	350	943.31	257.08	10025	0	239	855.78	267.25
100056	1.14	710	956.96	107.01	10026	0	1,160.00	1,170.32	4.47
100058	17.44	700	873.08	75	10027	0	242	856.22	266.14
10006	2.66	360	861.4	217.26	10028	0	1,160.00	1,170.30	4.46
100064	0	400	930.5	229.86	10029	0	242	856.14	266.11
100066	0	400	562.81	70.54	1003	4.75	750	1,221.64	204.36
100068	0	400	930.5	229.86	10030	0	1,160.00	1,170.29	4.46
10007	0	254	940.71	297.55	10031	0	242	855.98	266.04
100070	0	400	562.81	70.54	10032	0	1,160.00	1,170.28	4.46
100072	0	400	870.82	204	10033	0	242	855.9	266
100074	0	390	551.14	69.82	10034	0	1,160.00	1,170.28	4.46
100076	0	400	870.43	203.84	10035	0	687	964.3	120.15
100078	0	390	551.54	70	10036	0	1,150.00	1,199.27	21.35
10008	20.36	560	868.99	133.89	10037	0	687	964.31	120.16
100088	0	360	867.94	220.09	10038	20.43	670	831.33	69.9
100090	0	360	613.74	109.94	10039	0	280	974.5	300.93
100092	0	360	867.95	220.09	1004	2.93	1,604.00	2,123.33	225.02
100094	0	360	613.73	109.94	10040	0.24	250	815.18	244.89
100096	0	240	869.25	272.66	10041	0	215	817.8	261.19
100098	0	240	493.73	109.94	10042	0.36	520	798.85	120.82
10010	2.16	730	939.32	90.7	10043	0	230	818.88	255.16
100100	0	240	869.25	272.66	10044	0	600	834.47	101.6
100102	0	240	493.73	109.94	10045	0	215	818.36	261.44
100104	0	240	869.12	272.6	10046	4.73	650	841.66	83.05
100106	0	240	493.86	110	10047	0	215	818.61	261.55
100108	0	240	869.13	272.6	10048	0	610	855.57	106.41
100110	0	240	493.85	109.99	10049	0	215	818.24	261.38
100112	0	730	892.89	70.58	1005	0.62	720	1,221.75	217.41
100114	0	730	856.9	54.99	10050	7.68	610	855.54	106.39

Node Report – Peak Hour Demand Scenario

ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
10051	0	215	818.61	261.55	10168	0	870	966.04	41.61
10052	0	1,360.00	1,937.26	250.13	1017	0	840	1,222.26	165.63
10053	0	584	829.61	106.42	10172	0	870	966.04	41.61
10054	0	550	864.09	136.1	10174	0	250	946.51	301.8
10055	13.29	582	828.36	106.75	10176	0	490	743.87	110
10056	0	690	972.29	122.31	10178	0	490	936	193.25
10057	0	586	828.8	105.2	1018	7.68	840	1,222.22	165.62
10058	0	680	967.83	124.72	10180	0	480	743.87	114.33
1006	17.96	760	1,221.62	200.02	10182	0	480	936	197.59
10060	0	750	1,221.70	204.39	10184	0	560	962.75	174.51
10061	0	586	829.39	105.46	10186	0	200	430.48	99.87
10062	0	750	1,221.70	204.39	10188	0	200	836.43	275.77
10064	0	730	970.78	104.33	1019	0	840	1,225.99	167.25
10065	0	586	829.39	105.46	10190	0	200	424.33	97.2
10066	0	550	799.74	108.21	10192	0	200	842.45	278.37
10067	0	586	828.8	105.2	10194	0	200	845.23	279.58
10069	1.11	260	832.94	248.26	10196	0	200	844.97	279.47
1007	1.93	840	1,221.95	165.5	10198	0	870	1,151.00	121.76
10075	18.57	256	492.89	102.64	102	0	610	862.26	109.3
10076	1.89	690	1,221.68	230.38	1020	0	170	838.56	289.69
10077	23.29	250	493.02	105.3	10200	0	1,150.00	1,272.00	52.86
10079	17.02	250	493.01	105.3	10204	0	840	1,297.00	198.02
1008	3.72	730	1,221.82	213.11	10206	0	1,040.00	1,251.00	91.43
10081	25.3	256	492.87	102.64	10208	0	700	1,253.00	239.61
10083	22.29	250	493.01	105.3	1021	14.1	880	1,222.14	148.25
10085	20.58	256	492.87	102.64	10210	0	890	1,232.00	148.19
10087	18.08	260	492.79	100.87	10212	25.97	890	1,110.00	95.33
1009	0	770	1,221.95	195.83	10214	0	970	1,080.00	47.66
10094	0	1,390.00	2,123.33	317.75	1022	1.13	920	1,222.12	130.91
10096	0	1,380.00	2,123.33	322.09	1023	13.77	910	1,222.12	135.24
10098	0	1,100.00	1,171.98	31.19	1024	0	920	1,222.12	130.91
101	0	610	862.52	109.42	1025	42.63	820	960.19	60.75
1010	2.66	770	1,221.95	195.83	1026	45.37	620	960.38	147.49
10100	0	1,090.00	1,330.13	104.05	1027	0	740	960.26	95.44
10102	0	1,160.00	1,945.48	340.35	1028	0	740	960.26	95.44
10104	0	1,160.00	1,945.10	340.19	1029	11.06	640	960.44	138.85
10106	0	1,160.00	1,945.10	340.19	103	0	570	863.46	127.15
10108	0	1,130.00	1,672.29	234.98	1030	0	640	960.5	138.87
1011	13.29	800	1,222.13	182.91	1031	41.45	720	981.3	113.22
10110	0	1,130.00	1,672.29	234.98	1032	4.23	670	960.69	125.95
10112	0	1,130.00	1,672.29	234.98	1033	0	750	981.33	100.24
10114	0	1,140.00	1,672.29	230.64	1034	0	760	981.35	95.91
10116	0	1,160.00	1,538.91	164.18	1035	1.81	730	960.92	100.06
10118	0	1,160.00	1,538.91	164.18	1036	68.26	780	960.82	78.35
1012	0	1,686.00	2,123.32	189.49	1037	6.62	740	960.92	95.72
10120	0	1,150.00	1,538.91	168.51	1038	0	740	960.93	95.73
10122	0	1,080.00	1,183.29	44.76	1039	27.96	870	981.33	48.24
10124	0	1,080.00	1,183.29	44.76	104	5.47	570	713.09	62
10126	0	1,080.00	1,183.29	44.76	1040	3.21	550	952.64	174.46
10128	0	535	795.62	112.92	1041	0	830	981.35	65.58
10130	0	535	832.38	128.86	1042	0	810	981.44	74.28
10132	0	200	809.14	263.94	1043	2.34	600	952.64	152.8
10134	0	200	361.52	69.99	1044	80.27	890	982.13	39.92
10136	0	200	809.13	263.94	1045	0.25	920	982.15	26.93
10138	0	200	361.53	69.99	1046	0	840	981.46	61.3
10142	0	150	849.09	302.91	1047	0	840	981.44	61.28
10148	0	640	922.15	122.25	1048	0	580	978.41	172.63
10150	2.5	640	836.17	85	1049	60.04	890	982.15	39.93
10152	1.89	760	935.96	76.25	105	0	570	863.46	127.15
10154	0	760	922.6	70.46	1050	26.07	800	961.62	70.03
10156	26.84	680	841.55	70	1051	0	510	978.41	202.96
10158	0	680	960.16	121.39	1052	3.68	570	952.65	165.8
1016	0	180	838.86	285.49	1053	0.32	580	952.65	161.47
10160	0	800	963.48	70.84	1054	155.33	740	978.41	103.3
10162	0	710	961.87	109.14	1055	2.01	580	952.65	161.47
10164	0	710	926.26	93.7	1056	0	620	861.1	104.47

Node Report – Peak Hour Demand Scenario

ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
1057	0	630	953.55	140.19	1117	11.69	450	937.42	211.2
1058	0	510	950.88	191.03	1118	4.87	460	937.26	206.8
1059	0	560	952.65	170.14	1119	3.52	420	938.24	224.55
106	0	610	778.47	73	112	0	590	773.52	79.52
1060	0	910	981.61	31.03	1120	0.27	400	938.61	233.38
1061	59.05	790	962.39	74.7	1121	3.38	440	937.45	215.55
1062	63.72	910	981.61	31.03	1122	11.83	440	937.49	215.56
1063	21.49	910	981.13	30.82	1123	30.02	430	937.51	219.9
1064	0	910	982.5	31.41	1124	0	410	979.5	246.76
1065	0	970	984.79	6.41	1125	1.23	490	937.2	193.77
1066	0	970	985.26	6.61	1126	12.79	490	937.19	193.77
1067	25.16	910	982.49	31.41	1127	0	400	979.5	251.1
1068	0	970	984.79	6.41	1128	16.94	600	935.9	145.55
1069	0	980	985.19	2.25	1129	29.98	720	979.34	112.37
107	0	610	778.51	73.01	113	14.74	560	773.52	92.52
1070	0	970	984.79	6.41	1130	0.18	500	937.2	189.44
1071	16.01	940	982.86	18.57	1131	0	400	979.5	251.1
1072	0	980	985.04	2.18	1132	3.94	520	935.83	180.18
1073	0	970	985.02	6.51	1133	5.68	500	936.42	189.1
1074	36.22	970	984.71	6.37	1134	4.16	490	937.99	194.11
1076	0	980	985.26	2.28	1135	16.46	430	938.24	220.22
1077	0.78	460	945.78	210.49	1136	12.41	490	937.45	193.88
1078	0	970	985.24	6.6	1137	6.93	520	936.43	180.44
1079	0	970	985.19	6.58	1138	2.1	490	937.99	194.11
108	0	570	773.52	88.19	1139	0	590	935.83	149.85
1080	200.23	880	979.67	43.19	114	0	440	855.19	179.9
1081	2.98	530	942.69	178.82	1140	38.1	600	935.61	145.42
1082	0	430	945.12	223.2	1141	17.53	560	937.18	163.43
1083	63.1	830	962.17	57.27	1142	12.23	460	937.28	206.81
1084	0.44	840	962.17	52.93	1143	77.45	910	979.55	30.14
1085	3.13	480	942.75	200.51	1144	7.08	480	937.28	198.14
1086	2.85	500	942.7	191.82	1145	8.22	480	937.28	198.14
1087	0	500	942.69	191.82	1146	18.4	400	979.45	251.08
1088	1.63	550	942.48	170.06	1147	2.32	400	979.45	251.08
1089	1.35	500	942.63	191.79	1148	4	490	937.66	193.97
109	0	570	773.52	88.19	1149	11.29	560	936.87	163.3
1090	0	480	979.62	216.49	115	40.14	370	794.9	184.11
1091	4.74	790	962.12	74.58	1150	2.97	520	936.87	180.63
1092	1.51	530	942.48	178.73	1151	3.29	520	937.3	180.82
1093	2.74	540	942.48	174.39	1152	1.39	520	938.21	181.21
1094	0	520	979.62	199.16	1153	24.19	590	937.15	150.42
1095	0	510	942.3	187.32	1154	2.73	550	938.52	168.35
1096	121.92	500	942.17	191.59	1155	1.67	500	937.41	189.53
1097	12.14	640	981.58	148.01	1156	2.9	490	937.24	193.79
1098	4.77	790	962.11	74.57	1157	11.5	570	939.37	160.05
1099	0	770	981.61	91.69	1158	90.93	840	979.55	60.47
11	16.35	520	936.49	180.47	1159	4.08	520	938.19	181.2
110	2.39	590	773.52	79.52	116	10.32	690	863.27	75.08
1100	179.9	770	981.58	91.68	1160	5.2	620	943.23	140.06
1101	1.86	450	941.89	213.14	1161	20.87	640	943.23	131.39
1102	13.32	770	962.11	83.24	1162	28.57	910	979.58	30.15
1103	59.37	830	981.16	65.5	1163	0	920	979.59	25.82
1104	5.38	550	979.66	186.17	1164	0	640	863.32	96.77
1105	39.81	840	981.16	61.16	1165	0	970	984.4	6.24
1106	0	520	979.64	199.16	1166	0	970	984.38	6.23
1107	0.08	500	979.62	207.82	1167	2.18	620	945.14	140.88
1108	26.57	600	937.3	146.15	1168	0	970	984.33	6.21
1109	227.56	810	979.84	73.59	1169	22.5	560	938.14	163.85
111	9.7	610	778.5	73.01	117	0.71	280	824.4	235.89
1110	6.96	520	935.75	180.14	1170	36.81	940	980.07	17.36
1111	5.78	540	935.75	171.48	1171	32.47	630	945.69	136.79
1112	19.79	630	979.57	151.47	1172	0	930	980.07	21.7
1113	4.79	410	938.89	229.17	1173	0	920	980.08	26.03
1114	255.8	690	979.58	125.47	1174	0	920	980.02	26.01
1115	2.71	420	938.61	224.71	1175	37.7	920	979.86	25.94
1116	7.99	450	937.39	211.19	1176	0	920	979.59	25.82

Node Report – Peak Hour Demand Scenario

ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
1177	0	910	980.38	30.5	1237	16.87	450	862.55	178.76
1178	0	910	979.59	30.15	1238	67.94	730	972.24	104.96
1179	0	910	979.59	30.15	1239	5.96	440	862.39	183.02
118	16.01	510	856.51	150.14	124	21.34	240	797.95	241.76
1180	0	910	979.59	30.15	1240	15.62	450	862.48	178.73
1181	0	910	979.59	30.15	1242	2.7	450	862.55	178.76
1182	0	890	978.6	38.39	1244	22.29	510	919.88	177.6
1183	0	890	980.59	39.25	1245	0.81	230	862.55	274.08
1184	0	890	980.61	39.26	1246	25.78	460	862.38	174.35
1185	51.11	890	979.59	38.82	1247	59.49	720	919.95	86.64
1186	41.33	680	945.66	115.11	1248	9.26	460	862.45	174.38
1187	0	480	943.22	200.71	1249	0	760	922.48	70.4
1188	161.83	820	974.83	67.09	125	0	420	773.54	153.19
1189	0	590	946.77	154.59	1250	14.15	470	862.45	170.05
119	22.2	240	797.97	241.77	1251	3.09	230	862.55	274.08
1190	10.01	660	949.45	125.42	1252	221.37	580	913.94	144.7
1191	17.06	770	954.83	80.09	1253	0	660	965.73	132.47
1192	238.08	880	966.89	37.65	1254	0	230	862.55	274.08
1193	1.68	750	954.83	88.75	1256	4.23	240	862.55	269.75
1194	7	750	954.83	88.75	1257	0	230	862.55	274.08
1195	41.96	760	961.17	87.17	1258	0	230	862.55	274.08
1197	47.84	760	961.34	87.24	1259	2.73	700	965.51	115.04
1198	17.72	730	957.68	98.65	126	15.17	460	773.57	135.87
1199	4.53	730	957.53	98.59	1260	30.18	260	571.77	135.09
12	10.62	460	939.46	207.75	1261	9.16	240	571.99	143.85
120	12.39	350	853.6	218.21	1262	0	760	964.95	88.81
1200	4.61	720	954.86	101.77	1263	0	280	955.54	292.71
1201	0	780	952.07	74.56	1264	5.28	290	954.86	288.08
1202	0	780	952.19	74.61	1265	0	290	954.83	288.07
1203	1.92	800	951.45	65.62	1266	0	290	954.83	288.07
1204	11.48	800	951.36	65.58	1267	0	290	954.83	288.07
1205	122.38	600	976.45	163.11	1268	0	290	954.83	288.07
1206	23.42	750	949.24	86.33	1269	0	290	571.74	122.08
1207	3.41	730	948.61	94.72	127	0.08	300	794.22	214.15
1208	51.28	740	947.95	90.11	1270	0	290	571.74	122.08
1209	8.36	710	947.91	103.09	1271	0	290	571.74	122.08
121	30.16	520	775	110.49	1272	4.81	290	571.74	122.08
1210	37	300	972.71	291.48	1273	3.8	820	959.42	60.41
1211	7.75	650	957.68	133.32	1274	6.78	240	572.31	143.99
1212	33.11	710	946.75	102.58	1275	0	240	572.4	144.03
1213	13.22	700	946.15	106.66	1276	0	290	952.45	287.04
1214	0	730	972.37	105.02	1277	121.57	660	959.01	129.56
1215	50.92	280	974.71	301.02	1278	6.1	790	1,244.58	196.97
1216	0	690	945.87	110.87	1279	12.34	310	571.74	113.41
1217	0	690	864.81	75.74	128	289.58	470	772.67	131.15
1218	0	690	864.73	75.71	1280	0	280	951.57	290.99
1219	0	680	864.72	80.04	1281	62.07	830	963.95	58.04
122	30.06	520	775.01	110.5	1282	12.72	240	572.51	144.08
1220	29.29	730	947.78	94.36	1283	5.1	240	572.78	144.19
1221	76	660	960.55	130.23	1284	38.23	340	841.25	217.19
1222	3.03	270	973.65	304.89	1285	44.56	330	571.74	104.74
1223	13.46	560	960.54	173.55	1286	5.72	240	941.36	303.9
1224	51.34	620	863.82	105.65	1287	6.72	690	960.17	117.06
1225	29.46	630	862.94	100.93	1288	0	240	572.78	144.19
1226	18.44	520	960.53	190.88	1289	0	800	963.57	70.88
1227	33.65	580	862.73	122.51	129	9.55	520	842.02	139.53
1228	0	570	862.72	126.84	1290	8.98	800	962.21	70.29
1229	4.27	280	968.48	298.32	1291	27.6	320	950.97	273.4
123	0.08	300	852.44	239.37	1292	0	240	946.68	306.21
1230	28.2	550	862.67	135.48	1293	10.07	250	572.96	139.94
1231	44.81	520	862.55	148.43	1294	0	250	573.08	139.99
1232	57.37	500	835.75	145.48	1295	22.36	310	571.96	113.51
1233	18.91	510	862.55	152.76	1296	48.39	560	841.42	121.94
1234	7.75	350	968.94	268.19	1297	0	290	572.54	122.42
1235	0	640	922.17	122.26	1298	8.49	280	572.47	126.73
1236	9.53	260	862.55	261.08	1299	4.5	250	944.67	301

Node Report – Peak Hour Demand Scenario

ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
13	8.07	490	940.1	195.03	1361	0	870	966.04	41.61
130	0	380	773.54	170.52	1362	0	870	966.04	41.61
1300	14.18	230	851.73	269.4	1363	0	870	966.04	41.61
1301	0.87	250	941.75	299.74	1364	0	870	966.03	41.61
1302	0	240	941.36	303.9	1365	0	870	966.04	41.61
1303	0	240	941.43	303.93	1366	0	870	965.97	41.58
1304	3.07	250	852.7	261.15	1367	196.4	880	966.04	37.28
1305	0	250	940.54	299.21	1368	0	880	965.97	37.25
1306	128.03	590	949.94	155.96	1369	7.39	420	961.87	234.79
1307	7.18	290	939.24	281.32	137	0	150	849.36	303.03
1308	6.74	280	939.58	285.79	1370	78.77	870	966.06	41.62
1309	7.06	290	939.21	281.3	1371	17.38	720	964.46	105.92
1310	11.73	760	963.3	88.09	1372	6.66	590	963.58	161.87
1311	24.29	740	961.68	96.05	1373	2.1	690	964.98	119.15
1312	32.8	720	959.12	103.61	1374	15.21	700	964.9	114.78
1313	6.48	320	572.47	109.39	1375	25.93	770	965.47	84.7
1314	3.25	320	944.66	270.66	1376	0	610	963.84	153.32
1315	291.82	590	955.15	158.22	1377	0	600	963.71	157.59
1316	0	630	955.15	140.89	1378	0	600	963.58	157.54
1317	4.37	330	944.66	266.33	1379	8.06	640	962.99	139.95
1318	20.53	800	963.29	70.75	138	6.41	160	834.86	292.41
1319	12.46	840	963.27	53.41	1380	18.77	750	965.49	93.37
132	64.82	160	834.64	292.32	1381	0	600	963.71	157.59
1320	4.89	400	939.24	233.65	1382	1.69	580	962.86	165.89
1321	83.5	400	935.99	232.24	1384	7.72	520	962.55	191.76
1322	0	800	963.28	70.75	1385	0	580	962.86	165.89
1323	47.15	750	961.73	91.74	1386	4.04	680	964.31	123.19
1324	7.51	630	959.94	142.96	1387	31.71	500	962.28	200.31
1325	0	600	959.76	155.88	1388	9.24	440	961.98	226.17
1326	10.69	410	936.76	228.25	1389	0	370	961.87	256.46
1327	10.94	770	963.31	83.76	139	78.92	440	794.23	153.49
1328	110.75	760	956.2	85.01	1390	49.69	630	963.69	144.59
1329	14.25	680	957.9	120.41	1391	1.01	580	962.99	165.95
133	4.09	310	794.22	209.81	1392	5.12	630	964.98	145.14
1330	2.14	480	936	197.59	1393	0	650	963.77	135.96
1331	0	490	936	193.25	1394	0	610	963.06	152.98
1332	4.2	490	743.87	110	1395	15.02	610	964.05	153.41
1333	134.25	520	933.14	179.01	1396	0	610	964.98	153.81
1334	0	760	1,245.10	210.19	1397	5.21	720	964.07	105.75
1336	50.85	760	958.5	86.01	1398	7.88	680	966.36	124.08
1337	62.95	720	957.9	103.08	1399	5.19	680	966.36	124.08
1338	83.01	730	957.87	98.74	14	0	410	938.18	228.86
1339	19.62	410	825.2	179.91	140	13.69	330	773.54	192.18
1340	6.11	600	928.82	142.48	1400	0	560	936.44	163.11
1341	0	770	963.55	83.86	1401	26.09	610	964.02	153.4
1342	5.48	550	928.82	164.14	1402	0	730	975.66	106.44
1343	0	540	928.44	168.31	1403	0	720	975.66	110.78
1344	88.04	770	961.62	83.03	1404	0	720	975.71	110.8
1345	16.15	510	825.34	136.64	1405	0	720	976.19	111.01
1346	46.37	790	961.46	74.29	1406	4.52	760	975.27	93.28
1347	36.08	840	964.03	53.74	1407	0	760	978.51	94.68
1348	6.83	560	825.39	114.99	1408	103.51	710	966.72	111.24
1349	25.56	520	825.47	132.36	1409	15.68	710	968.2	111.88
135	0	160	837.31	293.48	141	47.23	300	796.73	215.23
1350	0	530	825.37	127.98	1410	31.5	680	968.22	124.88
1351	34.97	530	825.37	127.98	1411	0	300	963.06	287.31
1352	0	560	825.4	115	1412	0	250	523.87	118.67
1353	71.43	840	964.23	53.83	1413	38.42	820	974.49	66.94
1354	0	170	846.76	293.24	1414	12.46	870	974.48	45.27
1355	8.44	510	825.37	136.65	1416	0	210	523.87	136
1356	3.59	550	963.57	179.2	1417	2.8	790	973.94	79.7
1357	8.82	580	963.58	166.2	1418	57.44	730	973.94	105.7
1358	3.58	710	961.87	109.14	1419	4.81	640	972.79	144.2
1359	21.65	470	961.96	213.17	142	0	150	849.11	302.93
136	0	160	849.4	298.72	1420	5.17	970	991.85	9.47
1360	53.54	770	963.37	83.79	1421	0	960	991.87	13.81

Node Report – Peak Hour Demand Scenario

ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
1422	0	300	796.72	215.23	1482	11.49	270	492.79	96.54
1423	0	200	523.87	140.33	1483	0	240	869.35	272.7
1424	0	200	523.87	140.33	1484	5.4	240	493.23	109.72
1425	0	740	972.79	100.87	1485	7.25	250	493.05	105.31
1426	7.78	960	973.81	5.98	1486	28.48	720	853.88	58.01
1427	0	400	493.72	40.61	1487	0	240	493.28	109.75
1428	0	340	493.72	66.61	1488	5.58	250	493.05	105.31
1429	0	300	493.72	83.94	1489	0	240	493.27	109.74
143	0	150	849.07	302.91	149	13.1	390	794.22	175.15
1430	0	250	493.72	105.6	1490	5.79	240	493.06	109.65
1431	0	300	493.72	83.94	1491	28.17	740	893.24	66.4
1432	0	212	817.77	262.48	1492	0	190	845.9	284.2
1433	0	250	493.72	105.6	1493	6.9	540	922.35	165.67
1434	0.08	230	852.33	269.66	1494	11.7	270	838.5	246.33
1435	0	340	493.72	66.61	1495	5.94	250	493.05	105.31
1436	0	270	493.72	96.94	1496	6.31	250	493.06	105.32
1437	0	300	493.72	83.94	1497	8.08	270	492.79	96.54
1438	0	310	493.72	79.61	1498	12.02	270	492.8	96.54
1439	0	250	493.72	105.6	1499	19.61	280	492.81	92.21
144	0	160	838.53	294.01	15	0	360	937.14	250.08
1440	6.82	540	852.69	135.49	150	10.3	360	855.04	214.5
1441	0	250	493.72	105.6	1500	3.71	510	794.33	123.2
1442	25.33	320	852.33	230.66	1502	6.17	280	838.14	241.84
1443	58.53	590	852.19	113.61	1503	9.24	270	838.53	246.35
1444	12.42	280	492.81	92.21	1504	10.43	250	493.06	105.32
1445	10.83	320	852.37	230.67	1505	10.08	250	493.07	105.32
1446	1.99	620	852.69	100.83	1506	3.13	250	492.87	105.23
1447	0	620	852.69	100.83	1507	0	260	551.03	126.1
1448	1.65	390	852.37	200.35	1508	4.37	280	838.32	241.92
1449	5.98	430	852.43	183.04	1509	1.88	280	838.25	241.89
145	14.63	410	855.07	192.85	151	9.39	410	842.03	187.2
1450	6.52	330	852.37	226.34	1510	0	260	551.03	126.1
1451	0	240	493.68	109.92	1511	2.84	270	551.03	121.77
1452	26.12	272	492.81	95.68	1512	0	260	551.03	126.1
1453	1.48	240	829.58	255.46	1513	11.2	260	492.79	100.87
1454	15.03	274	492.81	94.81	1514	7.71	250	492.87	105.24
1455	172.09	670	852.72	79.17	1515	0.27	270	551.03	121.77
1456	0	240	493.61	109.89	1516	3.32	250	492.87	105.23
1457	9.72	262	492.8	100	1517	15.98	290	492.77	87.86
1458	0	240	493.73	109.94	1518	6.84	280	838.32	241.92
1459	0	230	493.72	114.27	1519	7.3	260	492.87	100.9
146	13.74	340	855.04	223.17	152	18.81	450	855.06	175.51
1460	0	230	493.72	114.27	1520	6.08	250	492.87	105.24
1461	0	240	493.73	109.94	1521	12.57	290	838.03	237.46
1462	0	240	493.73	109.94	1522	52.76	810	918.64	47.07
1463	0	240	493.83	109.99	1523	7.69	260	492.83	100.89
1464	5.97	262	492.8	100	1524	10.27	250	492.9	105.25
1465	0	240	493.73	109.94	1525	15.55	280	492.81	92.21
1466	3.2	262	492.79	100	1526	11.3	270	492.81	96.55
1467	0	240	869.14	272.61	1527	24.28	320	839.02	224.89
1468	0	240	869.25	272.66	1528	1.86	280	838.77	242.12
1469	0	240	869.25	272.66	1529	6.84	280	838.69	242.08
147	0	300	796.49	215.13	153	11.56	390	855.04	201.5
1470	0	240	869.25	272.66	1530	19.11	280	838.65	242.06
1471	0	240	869.25	272.66	1531	10.01	280	492.78	92.2
1472	0	240	493.72	109.94	1532	6.36	280	838.93	242.18
1473	0.28	250	922.35	291.33	1533	3.68	280	492.78	92.2
1474	98.48	700	853.22	66.39	1534	12.13	290	838.59	237.71
1475	2.5	260	832.94	248.26	1535	10.12	250	492.85	105.23
1476	132.33	560	852.52	126.75	1536	11	350	839.05	211.91
1477	2.03	280	922.35	278.33	1537	0	310	839.06	229.24
1478	0	240	869.32	272.68	1538	0.97	280	839.16	242.28
1479	0	240	551.03	134.77	1539	0.16	280	839.19	242.3
148	65.87	360	795.67	188.77	154	12.66	440	794.22	153.48
1480	28.75	280	492.79	92.2	1540	13.38	260	492.77	100.86
1481	0	240	551.03	134.77	1541	0	280	839.23	242.31

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ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
1542	8.44	280	492.77	92.19	1603	0	330	844.15	222.78
1543	0	280	839.31	242.35	1604	4.62	320	844.25	227.16
1544	0	320	869.61	238.14	1605	8.41	350	623.82	118.65
1546	7.11	310	838.61	229.05	1606	0	340	844.39	218.55
1547	64.28	630	921.41	126.27	1607	6.61	420	844.24	183.82
1548	11.14	280	492.77	92.19	1608	1.8	320	846.3	228.05
1549	12.71	260	492.77	100.86	1609	19.25	600	862.67	113.82
155	3.4	280	819.6	233.81	161	41.24	360	795.9	188.88
1550	13.02	700	922.36	96.35	1610	6.12	360	846.3	210.71
1551	5.92	280	838.61	242.04	1611	0.75	370	623.87	110
1552	0.44	280	839.8	242.56	1612	23.02	560	849.59	125.48
1553	1.44	400	838.68	190.08	1613	14.5	430	926.23	215.02
1554	7.49	400	838.68	190.08	1614	7.26	480	849.59	160.14
1555	8.92	750	922.39	74.7	1615	4.19	440	926.3	210.71
1556	7.29	270	492.78	96.53	1616	1.14	390	845.96	197.57
1557	0	260	492.79	100.87	1618	0	390	845.2	197.24
1558	1.92	260	492.79	100.87	1619	1.07	470	851.04	165.1
1559	6.04	280	840.17	242.72	162	10.28	390	796.88	176.3
156	37.87	440	794.22	153.48	1620	0	400	845.2	192.9
1560	27.1	540	794.48	110.27	1621	3.56	400	623.82	96.98
1561	6.76	760	922.39	70.37	1622	4.53	320	849.21	229.31
1562	0	520	794.4	118.9	1623	10.05	320	623.77	131.62
1563	13.3	320	840.15	225.38	1624	0.08	530	794.45	114.59
1564	10.88	760	922.41	70.37	1625	7.87	420	845.88	184.53
1565	9.05	270	492.78	96.53	1626	24.5	750	923.49	75.17
1566	2.45	310	551.03	104.44	1627	6.24	400	623.81	96.98
1567	42.16	750	922.4	74.7	1628	12.37	560	851.06	126.12
1568	1.71	290	840.76	238.64	1629	22.04	560	851.07	126.12
157	1.6	440	794.22	153.48	1630	4.28	430	623.81	83.98
1570	39.02	530	923.09	170.32	1631	13.11	480	862.69	165.82
1571	1.19	320	551.03	100.11	1632	10.03	490	851.04	156.44
1572	17.76	330	550.95	95.74	1633	4.41	390	623.8	101.31
1573	6.66	290	840.84	238.68	1634	10.09	460	851.03	169.44
1574	43.25	750	922.37	74.69	1635	3.96	410	623.8	92.64
1575	9.53	320	840.83	225.68	1636	1.01	390	551.14	69.82
1576	7.58	320	551.03	100.11	1637	16.52	690	923.46	101.16
1577	3.02	780	922.49	61.74	1638	1.01	390	551.14	69.82
1578	18.36	340	550.92	91.39	1639	0	390	551.14	69.82
1579	18.25	780	922.5	61.75	1640	0	400	870.82	204
158	0	170	424.22	110.16	1641	9.61	560	869.34	134.04
1580	5.92	340	846.84	219.61	1642	3.89	500	830.98	143.42
1581	9.43	340	551.03	91.44	1643	11.81	380	623.79	105.64
1582	16.5	360	846.84	210.95	1644	0	380	623.79	105.64
1583	2.88	340	551.03	91.44	1645	0	390	881.5	212.97
1584	1.49	330	551.04	95.78	1646	26.26	520	846.37	141.42
1585	0	330	551.04	95.78	1647	16.39	560	871.06	134.78
1586	7.41	350	551.02	87.1	1648	0	560	871.38	134.92
1587	0	320	551.04	100.11	1649	3.38	390	623.79	101.3
1588	9.49	310	551.04	104.44	1650	19.35	610	854.98	106.15
1589	0.85	340	551.05	91.45	1651	11.53	340	613.7	118.59
159	0	440	794.21	153.48	1652	30.89	580	845.73	115.14
1590	1.31	340	551.05	91.45	1653	41.05	680	866.81	80.94
1591	7.9	390	842.9	196.24	1654	8.98	670	866.91	85.32
1592	5.03	380	551.07	74.12	1655	0	320	870.24	238.42
1593	1.05	310	842.92	230.92	1656	1.77	320	870.24	238.42
1594	0	380	551.07	74.12	1658	0	320	870.24	238.42
1595	10.93	420	842.9	183.24	1659	0	670	866.89	85.31
1596	4.73	320	623.82	131.64	1660	8.98	360	613.71	109.93
1597	10.77	810	923.5	49.18	1662	0	680	866.86	80.97
1598	6.96	330	623.82	127.31	1663	0.85	320	870.86	238.69
1599	1.09	320	843.52	226.84	1664	0	320	870.82	238.67
16	1.19	310	838.56	229.02	1666	7.85	480	870.94	169.4
160	5.04	430	842.03	178.53	1667	0	480	870.94	169.4
1600	11.67	890	923.44	14.49	1668	11.05	680	866.85	80.96
1601	9.35	810	923.73	49.28	1669	1.75	360	613.73	109.94
1602	0	320	869.98	238.31	1670	0	360	867.95	220.09

Node Report – Peak Hour Demand Scenario

ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
1671	2.85	360	867.95	220.1	1734	12.95	360	932.06	247.87
1672	8.24	360	613.7	109.93	1735	4.09	390	860.63	203.93
1673	0	360	613.73	109.94	1736	16.81	400	860.63	199.59
1674	1.1	360	613.73	109.94	1738	2.21	360	861.58	217.33
1675	1.47	320	870.86	238.69	1739	1.58	490	869.21	164.31
1676	0	320	870.86	238.69	174	0	170	845.57	292.72
1677	9.47	360	613.7	109.93	1740	58.41	590	929.44	147.08
1678	0	330	870.85	234.35	1741	23.51	400	861.37	199.91
1680	17.89	360	857.98	215.77	1742	11.94	520	830.9	134.71
1681	0	330	870.85	234.35	1743	0	700	931.51	100.31
1682	13.8	360	870.61	221.25	1744	19.32	720	931.87	91.8
1684	13.04	320	870.86	238.69	1745	0	700	881.51	78.65
1685	0	350	870.87	225.69	1746	25.95	700	881.48	78.63
1686	6.31	380	613.69	101.26	1747	57.7	600	872.69	118.16
1687	10.82	440	870.94	186.73	1748	21.76	440	870.63	186.59
1688	0.43	340	870.86	230.02	1749	4.81	520	869.65	151.5
1689	1.89	340	870.86	230.02	1750	0	400	864.55	201.29
169	1.83	170	424.22	110.16	1751	11.27	480	867.76	168.02
1690	0.77	320	870.86	238.69	1752	0	400	864.57	201.3
1691	13.61	370	613.7	105.59	1753	10.2	780	932.72	66.17
1692	59.12	690	866.79	76.6	1754	2.12	780	878.58	42.71
1693	2.86	320	870.86	238.69	1755	0.08	780	932.77	66.2
1694	3.93	400	870.91	204.04	1756	1.92	780	932.86	66.24
1695	0	390	871.07	208.45	1757	33.72	550	935.21	166.91
1696	5.4	400	870.94	204.06	1758	13	760	933.65	75.24
1697	0	390	562.93	74.93	176	1.18	400	791.05	169.44
1698	0.21	360	870.97	221.4	1760	115.85	580	935.23	153.92
1699	7.99	400	613.7	92.6	1761	0.13	400	864.98	201.47
17	0	250	838.56	255.02	1762	0.59	400	865.13	201.54
170	15.5	310	817.02	219.69	1763	0	800	882.47	35.73
1700	0.91	350	562.78	92.2	1764	8.76	420	864.31	192.52
1701	4.07	370	562.87	83.57	1766	0	900	934.74	15.05
1702	0	400	562.87	70.57	1767	0	900	934.74	15.05
1703	16.17	470	881.49	178.3	1768	0	900	934.74	15.05
1704	38.27	640	929.8	125.57	1769	0	920	934.77	6.4
1705	12.1	360	562.78	87.86	177	5.14	420	842.04	182.87
1706	60.91	660	874.95	93.14	178	32.71	420	842.04	182.87
1707	0	490	881.5	169.64	1784	0	890	896.01	2.6
1708	25.88	490	881.5	169.64	1785	0	900	895.38	-2
171	9.1	170	424.22	110.16	1786	0	890	895.61	2.43
1710	0	410	930.37	225.47	1788	0	900	934.79	15.08
1711	0	410	930.5	225.53	1789	0	910	934.79	10.74
1712	2.9	320	562.74	105.18	179	53.78	170	846.9	293.3
1713	0	400	930.5	229.86	1790	0	900	934.79	15.08
1714	5.07	330	562.74	100.85	1791	0	900	882.49	-7.59
1715	0	400	562.81	70.54	1792	0	850	883.79	14.64
1716	23.24	400	562.81	70.54	1793	0	900	882.49	-7.59
1717	11.25	320	562.74	105.18	1794	0	840	882.76	18.53
1718	2.87	350	562.74	92.18	1795	0	900	934.8	15.08
1719	2.06	370	562.79	83.54	1796	0	900	882.49	-7.59
172	8.73	450	842.01	169.86	1797	0	840	882.52	18.42
1720	8.34	320	562.73	105.18	1798	1.5	520	830.85	134.69
1721	1.96	360	562.78	87.86	1799	8.61	640	933.64	127.23
1722	9.82	360	562.75	87.85	18	0	440	855.61	180.08
1723	0.45	370	562.79	83.54	180	59.51	400	790.96	169.4
1724	0	370	562.79	83.54	1800	16.27	640	933.64	127.23
1725	1.12	370	562.79	83.54	1801	0	880	882.49	1.08
1726	1.01	390	861.33	204.23	1802	0	860	934.85	32.43
1727	8.87	450	869.01	181.56	1803	14.95	540	863.45	140.15
1728	8.68	390	870.62	208.25	1804	0	850	934.85	36.76
1729	7.54	620	930.55	134.56	1805	0	880	882.49	1.08
173	9.22	400	796.9	171.98	1806	0	840	934.91	41.12
1730	5.71	580	881.51	130.64	1807	2.12	830	882.46	22.73
1731	22.35	490	929.81	190.57	1808	29.58	860	934.98	32.49
1732	105.96	760	931.53	74.32	181	0.71	370	795.49	184.37
1733	1.3	360	860.64	216.93	1810	77.98	660	863.33	88.1

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ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
1811	12.68	480	864.3	166.52	1886	0	350	943.63	257.22
1812	6.21	530	830.89	130.38	1888	0	350	943.63	257.22
1813	2.39	350	1,188.33	363.25	1889	41.13	840	937.38	42.19
1814	0	350	1,188.33	363.25	189	18.31	440	795.66	154.11
1815	24.39	390	1,188.30	345.9	1890	2.2	430	1,188.44	328.63
1816	32.49	780	935.59	67.42	1891	2.5	430	1,188.44	328.63
1817	1.17	400	864.51	201.27	1892	36.02	550	1,188.38	276.61
1818	80.26	730	933.01	87.96	1893	32.5	680	961.74	122.08
1819	4.53	400	866.69	202.22	1894	0.32	350	944.48	257.59
182	0	360	795.55	188.72	1895	11.37	760	963.16	88.03
1820	3.64	400	864.51	201.27	1896	3.22	420	944.06	227.07
1821	8.63	410	864.51	196.94	1897	5.03	730	939.32	90.7
1822	0	810	935.82	54.52	1898	14.19	720	939.31	95.03
1824	12.19	540	830.89	126.04	1899	33.08	770	963.25	83.74
1825	80.5	690	955.04	114.84	19	0	170	838.56	289.69
1826	13.36	810	935.8	54.51	190	48.81	400	842.07	191.55
1827	56.09	720	933.47	92.5	1900	0	350	944.38	257.55
1828	4.96	410	1,188.35	337.26	1901	2.98	400	944.39	235.88
1829	31.02	560	872.32	135.33	1902	0	350	944.39	257.55
1830	2.81	360	1,188.35	358.93	1903	0	350	944.38	257.55
1834	15.35	520	868.99	151.22	1904	0	360	944.39	253.22
1835	0	840	882.46	18.4	1905	0	350	626.74	119.91
1839	32.37	690	937.78	107.36	1906	0.88	430	944.06	222.74
184	13.63	360	795.53	188.72	1907	14.94	760	963.15	88.03
1840	7.6	830	935.8	45.84	1908	38.82	850	937.33	37.84
1842	3.13	840	935.87	41.54	1909	68.47	440	943.85	218.32
1843	8.93	840	935.95	41.57	191	0	410	797.04	167.7
1846	1.35	870	936.4	28.77	1910	25.9	360	944.62	253.31
185	82.19	440	790.27	151.77	1911	0.57	370	944.6	248.97
1850	0.81	380	1,188.38	350.27	1912	112.61	780	963.27	79.41
1851	47.93	610	959.95	151.64	1913	0	370	944.62	248.98
1852	16.1	640	871.2	100.18	1914	7.51	870	939.11	29.94
1853	25.56	610	959.95	151.63	1915	6.6	360	626.74	115.58
1854	2.52	670	940.39	117.16	1916	0	360	944.84	253.41
1855	40.93	840	937.55	42.27	1917	0	360	944.85	253.41
1856	11.31	600	960.33	156.13	1918	8.93	890	970.77	35
1857	0	610	960.37	151.82	1919	36.98	790	965.04	75.85
1858	15.23	590	941.03	152.1	192	0	400	797.63	172.29
1859	3.9	670	940.78	117.33	1920	2.07	470	1,188.64	311.39
186	26.63	180	424.23	105.82	1921	1.1	380	626.74	106.91
1860	59.99	340	943.17	261.35	1922	42.93	690	864.47	75.6
1861	0	340	943.23	261.38	1923	0	390	626.74	102.58
1862	0	330	943.23	265.71	1924	70.76	480	1,188.63	307.05
1863	17.8	860	937.51	33.59	1925	22.2	380	945.54	245.05
1864	23.68	550	830.82	121.68	1926	18.99	770	968.42	85.97
1865	0	340	943.18	261.36	1927	0	390	946.04	240.93
1866	6.24	880	937.06	24.72	1928	14.69	760	970.78	91.33
1867	51.43	540	864.47	140.59	1929	4.65	400	626.74	98.24
1868	0	330	943.18	265.69	1930	59.07	690	939.2	107.98
187	23.38	300	842.12	234.9	1931	15.78	690	1,245.07	240.51
1870	0	660	941.05	121.78	1932	0	760	971.44	91.62
1871	13.8	720	956.49	102.47	1933	0	760	971.13	91.48
1872	26.11	720	957.09	102.73	1934	0	760	971.44	91.62
1873	9.96	660	941.68	122.05	1935	10.11	440	974.99	231.81
1874	0	350	943.33	257.09	1936	1.95	750	971.49	95.97
1875	15.73	680	960.35	121.48	1937	3.28	400	946.03	236.6
1876	14.98	380	522.76	61.86	1938	3.07	400	946.03	236.6
1877	0	330	943.33	265.76	194	0	400	797.64	172.3
1878	22.05	330	943.33	265.75	1940	1.35	400	946.04	236.6
1879	71.18	700	956.19	111.01	1941	5.08	530	1,188.63	285.38
1880	1.39	880	939.11	25.61	1942	0	400	626.74	98.24
1881	4.76	880	939.11	25.61	1944	0	400	626.74	98.24
1882	0	880	939.06	25.59	1946	0.39	690	972.29	122.32
1883	12.39	880	939.11	25.61	1948	0	400	626.74	98.24
1884	0	350	522.77	74.86	195	3.05	430	797.87	159.4
1885	4.08	800	940.01	60.67	1950	12.82	850	1,238.96	168.54

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ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
1951	0.81	700	972.31	117.99	20013	7.68	640	792.29	65.99
1952	0	400	946.04	236.6	2002	18.57	720	1,245.40	227.66
1953	0.41	400	976.19	249.66	2003	20.64	690	972.36	122.35
1954	0	400	626.74	98.24	2004	26.01	380	981.42	260.59
1955	24.9	880	1,238.98	155.54	2005	0	700	972.54	118.09
1956	30.72	880	1,239.03	155.57	2006	5.56	790	1,245.41	197.33
1957	0	710	972.34	113.67	2008	37.43	340	813.11	205
1958	0	410	951.84	234.78	2009	155.01	800	1,245.41	193
1959	0	410	950.08	234.02	201	0	200	842.46	278.38
196	41.4	240	842.25	260.95	2010	0	840	1,188.61	151.05
1960	0	710	972.34	113.67	2012	5.26	280	812.41	230.69
1961	0	410	951.84	234.78	2013	0	660	972.48	135.4
1962	1.41	710	1,245.40	231.99	2014	0	860	1,188.61	142.39
1963	5.91	840	971.52	56.99	2015	0	650	972.47	139.73
1964	14.24	500	798.23	129.22	2016	34.56	610	1,188.34	250.59
1965	0	710	1,245.25	231.92	2017	0	640	972.43	144.04
1966	0	840	971.57	57.01	2018	0	640	972.44	144.05
1967	0	840	971.57	57.01	2019	0	640	972.43	144.04
1968	22.84	780	971.48	82.97	202	0	200	424.33	97.2
1969	0.74	840	971.57	57.01	2020	0	590	972.46	165.72
197	7.3	180	424.24	105.83	2022	0	580	972.46	170.05
1970	0	410	978.96	246.53	2023	0	540	972.83	187.55
1971	0	840	971.75	57.09	2024	0	510	973.24	200.72
1972	8.04	530	830.85	130.36	2025	2.18	510	973.24	200.72
1973	0	1,180.00	1,188.86	3.84	2026	2.54	540	973.05	187.64
1974	0	1,180.00	1,188.86	3.84	2028	8.29	540	972.83	187.55
1975	0	1,170.00	1,188.86	8.17	2029	105.94	790	1,244.61	196.98
1976	0	410	952.54	235.08	203	0	200	842.45	278.37
1977	0	730	972.37	105.02	2030	8.22	320	812.72	213.5
1978	1.99	840	971.63	57.04	2031	0.26	390	983.2	257.03
1979	7.68	410	639.24	99.33	2032	10.23	720	1,245.45	227.68
198	2.34	180	424.24	105.83	2033	0.12	790	1,244.74	197.04
1980	1.69	400	813.69	179.25	2034	1.28	760	1,245.07	210.18
1981	0	420	974.99	240.48	2035	4.28	720	1,245.45	227.68
1982	0	430	974.89	236.1	2036	6.46	400	984.45	253.24
1983	0	400	979.32	251.02	2037	51.46	770	966.68	85.22
1984	7.41	530	1,188.70	285.41	2038	11.75	580	972.99	170.28
1985	0	420	974.89	240.44	2039	4.11	660	1,246.29	254.04
1986	9.75	430	974.81	236.07	204	6.78	200	424.32	97.2
1987	15.48	730	972.3	104.99	2040	8.44	570	973.04	174.64
1988	0	410	979.48	246.76	2041	3.92	750	1,245.50	214.7
199	5.95	200	842.43	278.36	2042	6.18	750	1,245.50	214.7
1990	5.29	540	972.85	187.55	2043	28.99	700	972.91	118.25
1991	24.96	410	639.25	99.33	2044	0	610	1,246.68	275.87
1992	10.27	840	971.56	57.01	2045	18.32	760	1,245.48	210.36
1994	17.07	820	1,239.13	181.61	2046	23.74	770	1,245.49	206.03
1995	0	400	956.19	241	2047	5.93	1,020.00	1,188.60	73.05
1996	18.09	470	973.79	218.29	2048	0	1,470.00	1,672.32	87.66
1997	0	490	973.33	209.43	2049	37.84	820	1,244.43	183.91
1998	1.61	430	639.25	90.67	205	2.64	180	424.29	105.85
1999	0	490	973.39	209.45	2050	3.61	410	984.11	248.76
2	0	470	936.43	202.11	2051	0	1,130.00	1,188.60	25.39
20	0	160	838.56	294.02	2052	0	1,140.00	1,672.29	230.64
200	0	200	842.45	278.37	2053	0	1,130.00	1,188.60	25.39
2000	1.26	380	813.41	187.8	2054	0	1,140.00	1,672.29	230.64
20001	3.09	440	795.48	154.03	2055	0	1,140.00	1,188.60	21.06
20002	11.13	440	795.48	154.03	2056	1.92	500	984.11	209.76
20003	0.2	460	795.68	145.45	2057	0	1,130.00	1,188.60	25.39
20004	5.34	510	794.24	123.16	2058	0	1,130.00	1,188.60	25.39
20005	6.41	510	793.37	122.79	2059	0	1,140.00	1,672.29	230.64
20006	7.31	520	794.13	118.78	2060	0	1,130.00	1,188.60	25.39
20007	7.52	520	794.19	118.81	2061	0	1,130.00	1,188.60	25.39
20008	14.95	520	793.38	118.46	2062	0	1,140.00	1,672.29	230.64
20009	9.62	560	792.29	100.65	2063	8.32	1,380.00	1,672.32	126.66
2001	209.51	490	972.1	208.9	2064	0	1,130.00	1,672.29	234.98
20011	6.07	610	792.12	78.91	2065	0	1,130.00	1,188.60	25.39

Node Report – Peak Hour Demand Scenario

ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
2066	0	1,130.00	1,188.60	25.39	2127	0	660	985.18	140.9
2067	0	1,120.00	1,188.60	29.72	2128	22.2	660	960.02	130
2068	19.38	770	1,245.47	206.02	2129	13.28	660	1,169.24	220.65
2069	0	1,120.00	1,672.29	239.31	213	20.28	450	794.69	149.35
207	6.8	440	794.69	153.69	2130	107.55	700	1,164.74	201.37
2070	0	1,120.00	1,672.24	239.29	2131	0	720	1,165.25	192.92
2071	65.94	1,040.00	1,188.60	64.39	2132	19.19	880	1,161.52	121.98
2072	4.12	480	984.46	218.58	2133	0	720	1,165.49	193.03
2073	3.29	470	984.46	222.91	2134	23.79	1,430.00	1,936.65	219.53
2074	5.12	770	1,239.99	203.65	2135	23.18	840	1,255.78	180.16
2075	0	1,040.00	1,188.60	64.39	2136	0.08	820	1,255.90	188.88
2076	1.26	410	984.46	248.91	2137	15.66	480	985.16	218.89
2077	72	770	1,187.99	181.11	2138	1.2	810	1,251.77	191.42
2078	0	600	1,247.15	280.41	2139	4.31	920	1,247.69	141.99
2079	3.14	600	1,247.14	280.41	214	3.65	490	794.7	132.03
208	12.8	510	794.89	123.44	2140	3.65	920	1,247.69	141.99
2080	0.66	650	1,247.14	258.74	2141	4.09	830	1,255.97	184.57
2081	1.01	650	1,247.14	258.74	2142	32.42	600	838.62	103.39
2082	32.97	840	1,245.61	175.75	2143	8.57	950	1,247.69	128.99
2084	91.34	650	838.04	81.48	2144	0.29	640	1,165.92	227.88
2085	12	770	1,240.89	204.04	2145	1.01	830	1,255.97	184.57
2086	17.61	600	1,247.17	280.42	2146	21.54	1,260.00	1,669.54	177.45
2087	0.81	1,170.00	1,672.32	217.65	2148	29.84	1,440.00	1,665.25	97.6
2088	0	1,170.00	1,672.32	217.65	2149	49.36	1,400.00	1,672.55	118.09
2089	104.98	1,100.00	1,671.79	247.76	215	28.79	480	795.29	136.62
209	54.41	190	424.13	101.45	2150	12.37	610	1,664.78	457.04
2090	0	400	985.21	253.57	2152	0	720	1,169.24	194.66
2091	2.12	400	985.1	253.52	2154	15.58	930	1,248.18	137.87
2092	0	400	985.1	253.52	2155	5.12	970	1,248.18	120.54
2093	0	400	985.21	253.57	2156	0.16	990	1,248.19	111.87
2094	36.2	790	1,245.57	197.4	2157	7.88	800	1,256.96	198
2095	0	400	985.21	253.57	2158	5.98	830	1,252.26	182.97
2096	0	400	985.14	253.54	2159	1.44	860	1,252.26	169.97
2097	29.8	770	1,245.55	206.06	2160	5.29	860	1,252.28	169.98
2098	0	400	985.19	253.56	2161	8.03	640	1,664.77	444.03
2099	0	940	991.29	22.22	2162	53.73	1,360.00	1,668.27	133.57
21	0	240	838.56	259.36	2163	7.27	1,360.00	1,668.13	133.51
2100	4.13	660	838.67	77.42	2164	0	360	869.58	220.8
2101	21.26	700	1,246.69	236.88	2165	49.61	1,420.00	1,665.30	106.29
2102	8.23	440	986.07	236.61	2166	0	320	869.58	238.13
2103	10.47	620	988.09	159.49	2167	2.52	1,470.00	1,662.04	83.21
2104	1.88	1,120.00	1,671.51	238.97	2168	5.35	1,470.00	1,661.93	83.17
2105	42.8	1,190.00	1,672.33	208.99	2169	18.91	730	1,664.74	405.02
2106	0	430	985.18	240.56	217	0	470	794.7	140.69
2107	1.82	480	985.18	218.9	2170	0	400	636.93	102.66
2108	95.17	750	1,254.16	218.45	2171	0.33	870	1,256.75	167.58
2109	0	680	1,248.01	246.12	2172	0	870	1,256.74	167.57
211	0	480	794.68	136.35	2173	0	880	1,256.75	163.24
2110	19.13	840	1,246.34	176.07	2174	18.79	420	636.93	94
2111	82.9	930	1,672.01	321.51	2175	11.17	1,510.00	1,657.39	63.86
2112	67.12	630	838.62	90.39	2176	2.47	880	1,256.77	163.25
2113	4.39	840	1,246.55	176.16	2177	7.21	1,010.00	1,252.12	104.91
2114	8.25	840	1,246.63	176.19	2178	0	400	636.93	102.66
2115	25.46	1,600.00	1,936.59	145.84	2179	114.38	850	1,256.97	176.34
2116	5.54	880	1,246.88	158.97	218	13.54	410	794.35	166.54
2117	2.27	880	1,246.94	158.99	2180	4.68	980	1,249.54	116.79
2118	0.86	1,600.00	1,936.60	145.85	2181	3.32	1,270.00	1,672.77	174.52
2119	23.02	1,620.00	1,936.60	137.18	2182	0	1,360.00	1,670.11	134.37
212	0	470	794.67	140.68	2183	1.71	1,360.00	1,937.31	250.15
2120	15.22	910	1,246.32	145.73	2184	0.89	1,320.00	1,671.24	152.19
2121	26.02	1,240.00	1,672.41	187.36	2186	6.94	1,030.00	1,250.33	95.47
2122	0.76	890	1,246.88	154.64	2187	1.59	1,040.00	1,250.28	91.11
2123	36.26	800	1,255.82	197.51	2188	43.06	760	1,256.52	215.14
2124	0.08	680	1,165.49	210.36	2189	34.05	1,220.00	1,664.56	192.63
2125	4.52	660	985.18	140.9	219	0	560	794.12	101.44
2126	0	660	985.18	140.9	2190	0.9	810	1,673.88	374.32

Node Report – Peak Hour Demand Scenario

ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
2191	2.52	940	1,673.88	317.99	2256	0	1,670.00	1,685.85	6.87
2192	7	1,030.00	1,250.18	95.4	2258	15.8	1,570.00	1,937.74	159.34
2193	24.49	1,310.00	1,671.20	156.51	226	0	460	794.7	145.03
2194	0	380	636.93	111.33	2260	0	1,640.00	1,685.66	19.78
2195	26.57	960	1,146.04	80.61	2261	1.45	890	1,260.26	160.44
2196	8.75	1,000.00	1,252.78	109.53	2262	3.08	630	1,174.31	235.85
2197	0	1,040.00	1,248.44	90.32	2263	3.98	1,090.00	1,144.88	23.78
2198	1.99	1,040.00	1,250.18	91.07	2264	21.07	910	1,171.12	113.14
22	0	350	935.22	253.58	2265	6.63	960	1,144.88	80.11
220	18.43	490	794.02	131.73	2266	34.11	960	1,144.88	80.11
2200	3.33	1,040.00	1,250.18	91.07	2267	0	1,050.00	1,679.96	272.96
2201	13.07	960	1,252.78	126.86	2268	8.02	610	1,174.31	244.52
2202	10.87	990	1,143.57	66.54	2269	103.6	950	1,260.83	134.68
2203	3.63	1,050.00	1,250.23	86.76	227	10.51	220	844.08	270.41
2204	1.97	920	1,675.27	327.26	2270	142.12	1,300.00	1,644.55	149.3
2205	2.96	1,050.00	1,250.22	86.76	2271	17.83	930	1,261.02	143.43
2206	12.37	1,010.00	1,250.20	104.08	2272	0	1,520.00	1,684.60	71.32
2208	11.44	1,060.00	1,250.22	82.42	2273	44.29	920	1,171.16	108.83
2209	17.7	730	1,170.27	190.77	2274	90.04	1,280.00	1,643.92	157.69
221	243.31	560	794.02	101.4	2275	0	1,170.00	1,681.78	221.75
2210	0	1,150.00	1,664.97	223.14	2276	0	800	1,171.15	160.82
2211	0.08	1,100.00	1,143.57	18.88	2277	0.44	800	1,171.15	160.82
2212	104.8	1,160.00	1,664.63	218.66	2278	1.55	1,450.00	1,643.75	83.95
2214	0	880	1,222.22	148.29	2279	2.78	1,450.00	1,643.75	83.95
2215	0	1,010.00	1,140.24	56.43	228	12.92	230	844.11	266.1
2216	264.61	1,040.00	1,128.00	38.13	2280	150.89	1,630.00	1,938.08	133.49
2217	274.36	960	1,129.28	73.35	2281	0	990	1,261.85	117.79
2218	168.13	820	1,170.28	151.78	2282	0	990	1,261.85	117.79
2219	24.67	1,570.00	1,937.50	159.24	2283	16.2	890	1,151.14	113.15
222	0	590	792.65	87.81	2284	0	1,350.00	1,683.36	144.44
2220	29.33	1,160.00	1,665.39	218.98	2285	0	1,030.00	1,262.08	100.56
2221	2.68	950	1,256.45	132.79	2286	13.41	1,030.00	1,262.09	100.56
2222	18.07	1,440.00	1,651.53	91.66	2287	19.73	1,610.00	1,939.26	142.67
2224	3.6	980	1,254.33	118.87	2288	0	920	893.81	-11.35
2225	28.33	830	1,258.68	185.74	2289	12.42	1,440.00	1,643.67	88.25
2226	6.12	860	1,170.62	134.59	229	17.43	400	825.09	184.19
2227	0	840	1,675.96	362.22	2290	8.67	1,440.00	1,939.26	216.33
2228	0	900	895.15	-2.1	2291	5.15	1,050.00	1,261.85	91.8
2229	50.96	1,420.00	1,650.44	99.85	2292	1.89	1,570.00	1,939.26	160
223	0	560	794.1	101.44	2293	10.78	850	1,171.11	139.14
2230	70.3	1,030.00	1,140.24	47.77	2294	0	1,220.00	1,262.61	18.46
2231	8.45	1,610.00	1,937.57	141.94	2295	14.13	1,040.00	1,176.45	59.12
2232	0	960	1,254.72	127.7	2296	0	1,250.00	1,262.87	5.58
2234	3.5	850	1,258.70	177.09	2297	0	1,280.00	1,262.97	-7.38
2235	10.4	900	1,256.45	154.45	2298	0.73	1,630.00	1,939.28	134.01
2236	0	920	1,258.65	146.74	2299	23.2	1,610.00	1,939.28	142.67
2237	0	920	1,258.80	146.8	23	4.63	360	935.28	249.27
2238	271.02	1,030.00	1,140.28	47.79	230	17.31	200	844.25	279.15
2239	28.55	980	1,675.48	301.35	2300	0	920	934.77	6.4
224	0	590	792.65	87.81	2301	53.03	1,090.00	1,181.78	39.77
2240	0	950	1,255.32	132.3	2302	80.32	1,080.00	1,261.80	78.78
2241	0	890	1,256.46	158.79	2303	13.01	1,720.00	1,939.45	95.09
2242	6.14	960	1,255.32	127.96	2304	5.4	1,720.00	1,939.48	95.1
2243	0.16	940	1,255.82	136.85	2305	2.47	1,480.00	1,939.27	199
2244	6.95	890	1,256.47	158.79	2306	0	1,080.00	1,261.80	78.78
2245	4.53	1,360.00	1,648.19	124.87	2307	10.54	1,720.00	1,939.46	95.09
2246	39.87	920	1,171.27	108.87	2308	1.78	1,010.00	1,176.46	72.13
2247	0	910	1,677.76	332.67	2309	3.91	1,720.00	1,939.46	95.09
2248	0	900	934.56	14.97	231	0	470	794.7	140.69
2249	87.05	910	1,257.96	150.77	2310	21.41	930	1,160.05	99.68
225	4.43	410	825.09	179.86	2311	0	1,080.00	1,261.85	78.8
2250	0	760	1,676.72	397.21	2313	0	1,080.00	1,261.85	78.8
2251	0	880	1,259.81	164.57	2314	0	1,080.00	1,261.85	78.8
2252	0	920	893.81	-11.35	2315	0	1,080.00	1,261.85	78.8
2253	0	880	1,259.60	164.48	2316	0	1,080.00	1,261.85	78.8
2254	0	1,670.00	1,685.84	6.86	2317	0	1,080.00	1,261.85	78.8

Node Report – Peak Hour Demand Scenario

ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
2318	0	1,080.00	1,261.85	78.8	2380	0	1,930.00	1,942.82	5.56
2319	0	1,080.00	1,183.29	44.76	2381	0	1,930.00	1,942.82	5.56
232	25.57	450	794.69	149.35	2382	0	1,150.00	1,198.93	21.2
2320	0	1,080.00	1,261.85	78.8	2384	1.51	1,970.00	2,123.35	66.45
2321	0	1,080.00	1,183.29	44.76	2385	0.08	1,070.00	1,185.02	49.84
2322	0	1,080.00	1,183.29	44.76	2386	0	1,690.00	1,943.49	109.84
2323	0	1,080.00	1,183.29	44.76	2387	15.92	1,070.00	1,170.43	43.52
2324	0	1,080.00	1,183.29	44.76	2388	8.52	1,030.00	1,171.09	61.13
2325	0	1,080.00	1,183.29	44.76	2389	22.28	1,060.00	1,170.44	47.85
2326	0	1,080.00	1,183.28	44.75	239	0	200	845.23	279.58
2327	7.27	1,790.00	1,940.28	65.12	2390	0	1,050.00	1,170.81	52.35
2328	0	1,080.00	1,186.39	46.1	2391	5.28	1,870.00	1,942.99	31.63
2329	38.08	1,040.00	1,176.48	59.13	2392	4.65	1,720.00	2,123.35	174.77
233	8.18	440	794.69	153.69	2393	15.08	1,870.00	1,942.93	31.6
2330	15.49	1,210.00	1,643.53	187.85	2394	0	700	881.51	78.65
2331	2.53	1,410.00	1,939.27	229.33	2395	52.04	1,080.00	1,177.29	42.16
2332	1.96	1,080.00	1,186.87	46.31	2396	617.47	1,100.00	1,137.12	16.09
2333	1.77	1,110.00	1,183.46	31.83	2397	0.58	1,870.00	1,942.82	31.55
2334	27.77	1,670.00	1,943.43	118.48	2398	18.43	1,080.00	1,175.79	41.51
2335	3.33	1,100.00	1,643.50	235.5	2399	7.87	1,890.00	1,942.53	22.76
2336	10.8	1,090.00	1,183.92	40.7	24	0	380	934.95	240.46
2337	0	1,010.00	1,171.09	69.8	240	0	200	453.3	109.75
2338	55.04	1,760.00	1,941.32	78.56	2400	0.08	1,040.00	1,185.02	62.84
2339	40.97	960	1,171.06	91.45	2402	8.65	1,070.00	1,175.53	45.73
234	13.06	280	825.05	236.17	2403	0	1,930.00	2,123.35	83.78
2340	2.34	1,140.00	1,198.64	25.41	2404	3.9	1,930.00	2,123.35	83.78
2342	0	1,160.00	1,199.27	17.01	2405	0	1,920.00	1,942.16	9.6
2343	0	1,150.00	1,199.27	21.35	2406	0	1,120.00	1,148.09	12.17
2344	0	1,150.00	1,538.91	168.51	2408	9.42	690	970.72	121.64
2345	1.53	1,070.00	1,183.79	49.31	241	1.1	200	453.3	109.75
2346	0	1,170.00	1,201.56	13.67	2410	9.82	660	970.64	134.6
2347	0	1,170.00	1,201.66	13.72	2412	15.3	660	969.29	134.01
2348	9.71	1,130.00	1,643.50	222.5	2413	0	1,160.00	1,170.30	4.46
235	0	200	448.82	107.81	2414	0	1,160.00	1,944.80	340.05
2350	0	1,160.00	1,199.27	17.01	2415	0	1,160.00	1,170.21	4.42
2351	0	1,160.00	1,538.91	164.18	2416	0	1,160.00	1,170.25	4.44
2352	0	1,160.00	1,199.27	17.01	2417	0	1,160.00	1,170.25	4.44
2353	2.73	1,140.00	1,643.50	218.17	2418	0	1,160.00	1,944.90	340.1
2354	0	1,160.00	1,199.27	17.01	2419	0	1,160.00	1,944.89	340.09
2355	0	1,160.00	1,538.91	164.18	242	0	200	448.82	107.81
2356	0	1,160.00	1,199.27	17.01	2420	0	1,160.00	1,945.02	340.15
2357	10.93	1,080.00	1,182.49	44.41	2421	0	1,160.00	1,944.80	340.05
2358	9.74	1,180.00	1,643.51	200.84	2422	0	460	870.93	178.05
236	0	200	845.72	279.79	2424	15.03	460	870.89	178.04
2360	4.41	1,080.00	1,183.79	44.97	2426	0	1,150.00	1,170.28	8.79
2361	3.53	1,080.00	1,182.49	44.41	2427	0	1,160.00	1,944.80	340.05
2362	0	1,070.00	1,183.93	49.37	2428	0	1,160.00	1,944.80	340.05
2363	1.27	1,850.00	1,941.71	39.74	2429	0	1,160.00	1,944.80	340.05
2364	227.36	1,080.00	1,185.53	45.73	243	309.91	200	433.04	100.98
2365	0	840	1,201.77	156.76	2430	0	1,150.00	1,944.79	344.38
2366	5.23	1,080.00	1,184.04	45.08	2431	0	1,150.00	1,944.79	344.38
2367	0	840	1,201.74	156.74	2432	0	340	870.85	230.02
2368	0	860	884.56	10.64	2433	0	1,160.00	1,944.80	340.05
2369	18.52	1,080.00	1,182.50	44.41	2434	14.44	440	870.86	186.69
237	0	200	453.58	109.87	2435	0	1,160.00	1,944.80	340.05
2370	0	900	934.74	15.05	2436	3.99	1,040.00	1,173.08	57.66
2371	0	990	1,201.65	91.71	2437	20.43	1,070.00	1,170.84	43.7
2372	0	1,150.00	1,538.91	168.51	2438	0	1,160.00	1,944.80	340.05
2373	8.03	1,880.00	1,942.82	27.22	2439	0	1,160.00	1,643.51	209.5
2374	0	1,930.00	1,942.82	5.56	244	11.62	390	825.11	188.53
2375	0	1,930.00	1,942.82	5.56	2440	0	1,160.00	1,215.93	24.24
2376	0	1,930.00	1,942.82	5.56	2441	0	1,160.00	1,170.34	4.48
2377	0	1,930.00	1,942.82	5.56	2442	0	1,160.00	1,170.34	4.48
2378	0	1,930.00	1,942.82	5.56	2443	0	1,160.00	1,170.34	4.48
2379	12.25	1,100.00	1,175.51	32.72	2444	0	1,160.00	1,170.34	4.48
238	16.32	440	794.34	153.54	2445	0	1,150.00	1,170.34	8.81

Node Report – Peak Hour Demand Scenario

ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
2446	0	1,160.00	1,215.93	24.24	2508	56.98	1,130.00	1,538.91	177.18
2447	0	1,160.00	1,215.93	24.24	251	9.37	520	795.24	119.26
2448	0	1,160.00	1,215.93	24.24	2510	0	1,520.00	1,539.44	8.42
2449	0	1,160.00	1,215.93	24.24	2511	0	1,520.00	1,539.43	8.42
245	0	200	433.04	100.98	2512	0	1,520.00	1,539.43	8.42
2450	0	1,160.00	1,215.93	24.24	2513	4.18	1,870.00	1,942.77	31.53
2451	0	1,040.00	1,185.02	62.84	2514	0	1,520.00	1,539.32	8.37
2452	0	1,150.00	1,422.52	118.08	2516	0	1,520.00	1,539.32	8.37
2453	0	1,150.00	1,168.76	8.13	2517	0	1,520.00	1,539.32	8.37
2454	0.81	1,070.00	1,174.65	45.35	2518	0	1,520.00	1,539.32	8.37
2455	8.42	1,140.00	1,165.77	11.17	2519	0	1,520.00	1,539.32	8.37
2456	5.21	1,840.00	1,942.80	44.54	2520	4.08	1,520.00	1,539.40	8.41
2457	12.39	1,070.00	1,174.44	45.26	2521	0	1,520.00	1,539.40	8.41
2458	25.56	1,040.00	1,172.92	57.6	2522	119.31	1,080.00	1,136.76	24.59
2459	0	1,780.00	1,942.13	70.25	2524	5.52	1,480.00	1,539.32	25.7
246	0	200	845.45	279.68	2525	0	1,830.00	1,942.77	48.86
2460	14.13	410	870.85	199.69	2526	65.2	1,080.00	1,171.98	39.86
2461	0.9	1,780.00	1,942.13	70.25	2527	0.36	1,670.00	1,942.77	118.19
2462	1.27	1,380.00	1,538.91	68.85	2528	5.75	1,970.00	2,123.34	66.44
2463	1.26	1,210.00	1,538.91	142.52	2529	0.35	1,130.00	1,538.89	177.17
2464	51.62	1,110.00	1,171.52	26.66	253	14.37	440	793.95	153.37
2465	0	2,000.00	2,123.35	53.45	2530	3.42	1,120.00	1,331.54	91.66
2466	0	2,120.00	2,123.35	1.45	2532	25.15	1,120.00	1,331.64	91.71
2467	1.5	2,000.00	2,123.35	53.45	2533	146.95	1,100.00	1,331.16	100.16
2468	1.1	2,000.00	2,123.35	53.45	2534	83.4	1,070.00	1,171.66	44.05
2469	0	2,120.00	2,123.35	1.45	2535	0.96	1,080.00	1,171.79	39.77
247	12.8	330	825.09	214.52	2536	13.29	1,080.00	1,330.73	108.64
2470	3.28	560	816.74	111.25	2537	0.23	1,600.00	1,942.06	148.21
2471	1.87	1,370.00	1,538.91	73.19	2538	0	1,080.00	1,330.27	108.44
2472	5.12	1,840.00	2,123.34	122.77	2539	0	1,080.00	1,171.98	39.86
2473	2.1	1,310.00	1,538.91	99.19	254	16.23	470	793.97	140.38
2474	94.55	1,040.00	1,171.50	56.98	2540	1.75	1,140.00	1,538.93	172.86
2475	0	1,840.00	1,942.79	44.54	2542	9.25	1,210.00	1,538.91	142.52
2476	0	1,840.00	1,942.79	44.54	2543	3.05	1,870.00	1,942.77	31.53
2477	5.11	1,840.00	1,942.79	44.54	2544	18.06	1,080.00	1,171.98	39.85
2478	0.18	1,830.00	1,942.79	48.87	2545	0	1,090.00	1,171.98	35.52
2479	12.78	1,780.00	1,942.78	70.53	2546	22.76	1,080.00	1,330.13	108.38
2480	19	1,060.00	1,171.79	48.44	2547	0	1,090.00	1,171.98	35.52
2481	30.78	1,080.00	1,172.42	40.05	2548	0	1,090.00	1,330.13	104.05
2482	90.89	1,080.00	1,172.14	39.92	2549	0	1,090.00	1,171.98	35.52
2483	3.21	1,060.00	1,172.29	48.66	255	0	200	846.3	280.04
2484	21.7	1,060.00	1,172.36	48.69	2550	0	1,090.00	1,171.98	35.52
2485	0	1,620.00	1,942.09	139.56	2551	0	1,090.00	1,330.13	104.05
2486	71.47	1,610.00	1,942.09	143.9	2552	0	1,100.00	1,171.98	31.19
2487	15.86	1,600.00	1,942.05	148.21	2553	0	1,100.00	1,330.13	99.71
2488	4.45	1,600.00	1,942.09	148.23	2554	0	1,100.00	1,330.13	99.71
2489	11.56	1,320.00	1,538.91	94.85	2555	0.86	1,180.00	1,538.92	155.52
249	0.08	180	846.3	288.71	2556	0	1,100.00	1,330.13	99.71
2490	0	1,600.00	1,942.06	148.21	2557	8.76	1,560.00	1,942.07	165.55
2491	0.54	1,600.00	1,942.06	148.21	2558	97.64	1,610.00	1,942.05	143.88
2492	0.08	2,080.00	2,123.35	18.78	2559	6.84	1,290.00	1,538.91	107.85
2493	1.44	2,080.00	2,123.35	18.78	256	3.36	560	791.85	100.46
2494	0.51	2,040.00	2,123.34	36.11	2560	2.85	1,240.00	1,942.05	304.2
2496	0	1,770.00	1,942.78	74.87	2561	0.24	1,190.00	1,538.89	151.17
2497	3.22	2,080.00	2,123.34	18.78	2562	0.24	1,300.00	1,538.91	103.52
2498	4	1,060.00	1,171.69	48.4	2563	2.36	1,160.00	1,331.64	74.37
2499	86.5	1,040.00	1,171.70	57.06	2564	1.82	1,140.00	1,538.96	172.87
25	0	210	838.56	272.35	2565	0.08	1,610.00	1,942.05	143.88
250	19.98	520	794.73	119.04	2566	0.62	1,170.00	1,331.64	70.04
2500	11.69	1,040.00	1,171.69	57.06	2567	0	1,840.00	2,123.32	122.76
2501	1.54	1,560.00	1,942.08	165.56	2568	0.08	1,470.00	1,942.77	204.85
2502	0	1,316.00	1,332.03	6.95	2569	25.21	1,160.00	1,538.99	164.22
2503	0	1,316.00	1,332.04	6.95	257	0	190	845.4	283.99
2504	14.06	530	816.75	124.25	2570	4.29	1,460.00	1,942.77	209.18
2505	2.5	1,060.00	1,538.89	207.5	2571	7.41	1,730.00	2,123.34	170.43
2506	38.66	1,460.00	1,539.26	34.34	2572	5.5	1,350.00	1,942.05	256.54

Node Report – Peak Hour Demand Scenario

ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
2573	0	1,200.00	1,538.89	146.84	2634	3.8	550	815.21	114.91
2574	0	1,200.00	1,538.89	146.84	2636	1.6	540	815.07	119.19
2575	1.68	1,470.00	1,942.77	204.85	2638	4.94	530	814.9	123.45
2576	0	1,640.00	2,123.34	209.43	264	0	200	488.48	125
2578	5.94	1,220.00	1,538.89	138.17	2640	22.55	460	814.19	153.47
2579	0.08	1,170.00	1,538.95	159.87	2642	17.32	300	812.34	222
258	0	200	845.4	279.65	2644	47.41	220	848.49	272.32
2580	5.4	1,180.00	1,538.95	155.53	2646	3.33	210	847.52	276.24
2581	83.47	1,110.00	1,170.65	26.28	2648	23.76	220	843.47	270.15
2582	2.54	1,530.00	2,123.34	257.09	265	0	200	488.48	125
2583	3.69	1,140.00	1,538.95	172.86	2650	13.92	210	842.92	274.24
2584	1.73	1,760.00	2,123.32	157.43	2652	21.28	440	794.52	153.61
2585	5.48	1,230.00	1,329.49	43.11	2654	28.59	550	832.38	122.36
2586	0.64	1,430.00	1,942.77	222.18	2656	18.71	570	832.4	113.7
2587	0.5	1,440.00	1,942.77	217.85	2658	10.23	600	832.42	100.71
2588	0.39	1,280.00	1,942.05	286.87	266	7.24	180	846.26	288.69
2589	4.55	1,670.00	1,942.05	117.88	2660	26.62	660	832.03	74.54
259	0	200	845.4	279.65	2662	75.3	660	926.26	115.37
2590	0	1,720.00	1,942.05	96.21	2664	20.12	610	927.34	137.5
2591	3.24	1,750.00	2,123.32	161.76	2666	150.28	720	975.07	110.52
2592	40.07	1,120.00	1,329.62	90.83	2668	24.59	600	960.82	156.34
2593	5.64	1,320.00	1,538.95	94.87	267	0.65	200	488.47	125
2594	0.28	1,320.00	1,942.05	269.53	2670	7.05	440	867.23	185.12
2595	30.48	1,210.00	1,329.50	51.78	2672	57.57	500	942.37	191.68
2596	5.55	1,120.00	1,329.62	90.83	2674	4.37	490	942.53	196.08
2597	0	1,120.00	1,329.62	90.83	2676	1.99	520	942.48	183.06
2598	3.78	1,750.00	2,123.32	161.76	2678	6.69	550	952.64	174.47
2599	1.03	1,400.00	2,123.33	313.42	268	6.16	520	795.24	119.26
26	0	210	838.56	272.35	2680	4.5	540	952.64	178.8
260	0	200	488.47	125	2682	4.04	580	952.64	161.47
2600	0.26	1,440.00	1,942.77	217.85	2684	20.49	410	842.02	187.19
2601	0	1,280.00	1,942.05	286.87	2686	7.92	400	881.5	208.64
2602	1.1	1,120.00	1,329.62	90.83	2688	2.67	380	881.5	217.3
2603	13.53	1,350.00	1,538.94	81.87	269	0	200	488.47	125
2604	0	1,370.00	2,123.33	326.42	2692	0	1,125.00	1,188.60	27.56
2605	0	1,370.00	2,123.33	326.42	2694	0	1,125.00	1,672.29	237.14
2606	0	1,370.00	2,123.33	326.42	2696	0	430	931.51	217.3
2607	1.35	1,370.00	1,942.05	247.87	2698	0	190	810.84	269.01
2608	8.46	1,350.00	1,538.74	81.78	27	0	200	838.56	276.69
2609	0	1,380.00	1,942.05	243.54	270	25.25	430	794.72	158.03
261	0	200	488.47	125	2700	0	250	810.81	243
2610	0	1,380.00	1,942.05	243.54	2702	0	250	810.8	242.99
2611	0	1,390.00	2,123.33	317.75	2704	0	250	810.77	242.98
2612	0	1,390.00	1,942.05	239.2	2706	0	240	845.31	262.28
2613	0	1,390.00	2,123.33	317.75	2708	0	220	238.47	8
2614	0	1,390.00	1,942.05	239.2	271	0	190	845.51	284.03
2615	0.13	1,120.00	1,329.62	90.83	2710	0	390	981.42	256.26
2616	0	1,390.00	1,942.05	239.2	2716	0	390	636.94	107
2617	0	1,390.00	2,123.33	317.75	272	3.56	190	488.47	129.33
2618	0	1,530.00	2,123.33	257.09	2724	0	200	936.07	318.94
2619	20.57	1,310.00	1,538.74	99.11	2726	0	190	845.28	283.93
262	0	200	845.4	279.65	2728	0	240	319.25	34.34
2620	1.01	1,130.00	1,329.62	86.5	273	1.45	190	845.51	284.03
2621	11.19	1,320.00	1,538.51	94.68	274	0	250	433.04	79.31
2622	21.54	1,320.00	1,538.46	94.66	2740	0	390	981.41	256.26
2623	3.92	1,370.00	1,538.93	73.2	2742	0	390	981.41	256.26
2624	0	1,210.00	1,329.62	51.83	2744	0	390	636.94	107
2625	2.78	1,160.00	1,329.62	73.5	2746	0	390	636.94	107
2626	0	267	815.85	237.82	2748	0	390	636.94	107
2627	1.11	267	961.07	300.74	275	8.81	250	429.07	77.59
2628	0	270	815.87	236.53	2750	0	160	849.81	298.89
2629	0	270	960.81	299.33	2752	0	160	850.13	299.03
263	0	200	845.39	279.65	2754	0	160	849.91	298.94
2630	0	270	815.88	236.53	2756	0	160	849.98	298.97
2631	0	270	960.81	299.33	276	50.68	250	429.06	77.59
2632	5.49	510	816.75	132.91	277	0	240	429.07	81.93

Node Report – Peak Hour Demand Scenario

ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
278	13.72	480	794.69	136.35	340	11.1	230	845.24	266.58
28	0	190	838.56	281.02	341	0	210	845.29	275.27
280	8.8	190	846.26	284.36	342	0	190	845.88	284.19
281	0	190	846.26	284.36	343	17.95	200	846.06	279.94
282	7.99	510	794.77	123.39	344	0	210	845.28	275.27
283	3.36	200	846.07	279.94	346	0	200	845.28	279.6
284	0	190	846.22	284.34	347	0	200	845.28	279.6
285	8.73	560	794	101.39	348	6.43	210	842.91	274.24
286	5.44	200	845.37	279.64	349	11.69	430	831.94	174.16
288	21.77	480	794.74	136.37	35	21.09	400	853.58	196.54
289	12.47	190	846.15	284.31	350	18.93	220	846.06	271.27
29	94.5	190	808.76	268.11	351	18.89	230	845.29	266.6
290	9.96	240	845.36	262.3	352	10.86	450	831.95	165.5
291	0	290	429.08	60.26	355	7.47	440	832.36	170.01
292	0	160	845.73	297.12	356	0	220	845.23	270.91
293	35.18	580	794.1	92.77	357	22.61	450	795.08	149.52
294	3.05	290	429.08	60.26	358	5.5	300	796.11	214.96
295	0	290	429.08	60.26	359	1.48	240	842.93	261.25
296	5.76	290	429.08	60.26	36	4.86	230	855.61	271.07
297	1.29	190	845.51	284.03	360	0	190	845.9	284.2
298	9.68	200	846.08	279.95	361	0	240	845.26	262.26
299	5.42	340	429.08	38.6	362	0	190	845.9	284.2
3	0	480	936.42	197.77	363	1.45	240	845.26	262.26
30	0	430	932.65	217.8	364	6.93	440	795.08	153.85
300	0	160	845.79	297.15	366	0	200	845.9	279.87
301	6.1	430	794.86	158.09	367	0	320	845.15	227.55
302	3.91	470	794.82	140.75	368	0	310	845.14	231.88
303	9.39	200	846.07	279.94	369	9.94	270	845.15	249.21
304	0	240	429.14	81.96	37	31.61	470	925.51	197.37
305	0	170	845.79	292.82	372	0	310	845.14	231.88
306	0	240	429.15	81.96	373	5.33	240	845.25	262.25
307	2.09	240	429.15	81.96	374	0	320	845.13	227.54
308	2.09	250	429.14	77.62	375	0	200	845.9	279.87
309	0	170	845.81	292.83	376	0	750	790.42	17.51
31	4.2	240	809.06	246.57	377	9.05	300	845.14	236.21
310	10.18	200	238.47	16.67	378	0	750	790.44	17.52
311	2.38	530	794.61	114.66	379	14.37	200	846.06	279.94
312	0	180	845.82	288.5	38	174.6	600	925.56	141.06
313	3.88	580	794.13	92.78	380	0.51	750	790.44	17.52
314	3.99	570	794.12	97.11	381	0	190	845.89	284.2
315	0	180	845.83	288.5	382	0	730	790.47	26.2
316	18.51	580	794.14	92.79	383	0	730	790.47	26.2
317	2.11	600	794.11	84.11	384	0	730	790.47	26.2
318	0	200	845.31	279.61	386	0	730	790.47	26.2
319	10.1	570	794.11	97.11	387	0	730	790.47	26.2
32	67.32	430	929.74	216.54	388	0	730	790.47	26.2
320	0	200	845.31	279.61	389	0	730	790.47	26.2
321	0	660	791.11	56.81	39	0	240	855.61	266.74
322	12.96	660	791.11	56.81	390	0	730	790.47	26.2
323	10.7	210	238.47	12.34	391	0	730	790.47	26.2
326	0	190	846	284.25	392	0	730	790.47	26.2
327	0	190	846	284.25	393	0	730	790.47	26.2
328	0.23	200	846	279.91	394	0	730	790.47	26.2
329	32.11	460	831.43	160.94	395	3.08	400	961.58	243.33
33	5.25	210	809.06	259.57	396	0	250	845.9	258.2
330	0	200	429.23	99.33	397	10.09	320	845.14	227.54
331	0	220	238.47	8	398	29.3	320	845.1	227.52
332	0	200	429.39	99.4	399	9.14	300	845.14	236.21
333	0	200	429.23	99.33	4	21.22	470	936.42	202.1
334	0	200	430.63	99.93	40	8.18	270	925.51	284.03
335	0	200	429.23	99.33	400	6.69	230	845.89	266.87
336	0	200	840.77	277.65	402	0	420	961.78	234.75
337	0	200	845.16	279.55	403	3.32	440	832.33	169.99
338	0	200	845.16	279.55	404	2.27	290	832.33	234.99
339	30.14	410	829.18	181.63	405	0	240	845.9	262.53
34	0	440	937.39	215.52	406	7.94	260	832.26	247.96

Node Report – Peak Hour Demand Scenario

ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
407	0	250	845.26	257.93	475	0	530	795.62	115.09
408	0	250	815.53	245.04	476	12.8	440	799.13	155.61
409	0	250	815.58	245.06	477	0	530	832.38	131.02
41	6.37	280	361.4	35.27	478	0	530	795.62	115.09
410	0	250	815.58	245.07	479	0	530	795.62	115.09
411	0	250	815.53	245.04	48	3.24	200	854.18	283.46
412	0	250	815.52	245.04	480	0	530	795.62	115.09
413	0	280	832.33	239.33	481	0	540	832.38	126.69
414	0	250	815.51	245.04	482	0	540	832.38	126.69
415	93.76	440	796.11	154.3	483	0	540	832.38	126.69
416	28.23	630	791.95	70.17	484	9.56	600	831.8	100.44
417	0	200	845.89	279.87	485	8.4	490	797.61	133.29
418	0	200	845.89	279.87	486	21.38	200	813.88	266
419	0	280	961.14	295.14	487	7.73	600	831.81	100.44
42	0	200	809.15	263.94	488	6.61	590	796.08	89.29
423	0	250	845.89	258.2	489	1.18	200	810.68	264.61
429	7.79	660	833.4	75.14	49	2.59	200	853.64	283.22
43	0	200	809.14	263.94	490	9.21	200	810.68	264.61
430	0	190	814.87	270.75	491	8.8	590	796.08	89.29
431	15.23	410	796.13	167.31	492	15.79	590	832.31	104.99
432	0	180	814.67	275	493	1.47	630	829.71	86.54
433	16.25	660	833.41	75.14	494	27.02	640	829.5	82.11
434	10.1	320	845.87	227.86	496	4.7	610	829.59	95.15
435	0.16	490	796.21	132.68	497	3.42	630	829.6	86.49
436	0.08	400	796.19	171.67	498	39.21	380	800.12	182.04
437	9.4	500	796.16	128.33	499	11.84	440	798.5	155.34
438	3.93	700	834.26	58.17	5	0	500	936.45	189.11
439	0	500	798.49	129.34	50	3.41	240	361.41	52.61
44	2.98	200	361.52	69.99	500	0	620	829.6	90.82
440	1.02	200	810.54	264.55	501	2.65	470	797.37	141.85
441	0	200	810.54	264.55	502	0.65	230	810.88	251.69
443	0	200	814.39	266.22	503	1.09	600	829.59	99.48
444	0	500	795.09	127.86	504	6.83	610	829.59	95.15
445	15.89	510	798.49	125	505	14.4	230	810.88	251.69
446	6.21	520	796.37	119.75	506	1.01	230	810.88	251.69
447	3.93	670	833.85	70.99	507	13.85	280	812.34	230.66
448	1.42	490	796.21	132.68	508	30.07	470	798.51	142.34
449	7.92	200	810.54	264.54	509	3.54	580	829.59	108.15
45	10.96	220	361.5	61.31	51	0	250	809.24	242.32
450	4.07	710	831.06	52.46	510	8.8	240	809.36	246.7
451	0	650	833.49	79.51	511	3.09	450	797.62	150.63
452	3.68	300	799.12	216.27	512	1.26	240	810.88	247.36
453	3.61	650	833.42	79.47	513	4.61	240	810.88	247.36
454	18.2	480	799.1	138.27	514	10.96	570	831.44	113.28
455	20.54	200	810.54	264.55	516	23.78	520	799.28	121.01
456	23.73	440	799.1	155.6	517	21.59	630	831.78	87.43
457	2.71	560	832.38	118.02	519	0	450	797.89	150.74
458	2.92	330	799.12	203.27	52	41.92	320	861.6	234.67
459	1.64	530	795.54	115.06	520	13.71	630	831.32	87.23
46	0	260	361.43	43.95	521	18.26	520	797.91	120.42
460	0	530	832.38	131.02	522	2.58	190	813.07	269.98
461	0	200	814.09	266.08	523	27.16	710	831.77	52.76
462	0	530	832.38	131.02	524	61.41	570	800.44	99.85
463	0	530	832.38	131.02	525	9.96	600	831.78	100.43
464	0	530	832.38	131.02	526	7.38	460	797.95	146.43
465	0	530	832.38	131.02	527	0	260	810.89	238.7
466	0	540	832.38	126.69	528	8.96	270	810.73	234.3
467	14.47	630	831.08	87.13	529	2.01	240	811.31	247.55
468	6.78	200	810.54	264.55	53	2.89	250	809.24	242.32
469	0	540	832.37	126.69	530	0	240	811.71	247.72
47	0	260	361.41	43.94	531	28.63	540	800.42	112.84
470	1.22	620	832.46	92.06	532	0	240	811.65	247.7
471	6.46	530	832.38	131.02	533	13.31	320	809.38	212.05
472	12.05	620	832.45	92.05	534	4.47	320	813.08	213.65
473	0	530	795.62	115.09	535	0	600	802.15	87.59
474	0	530	832.38	131.02	536	0	620	803.14	79.36

Node Report – Peak Hour Demand Scenario

ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
538	0.59	240	806.07	245.28	602	0	280	816	232.25
539	18.61	510	797.67	124.65	604	0	500	831.05	143.44
54	3.65	200	853.44	283.14	605	1.33	500	831.04	143.44
540	5.7	200	813.07	265.64	607	5.34	500	798.87	129.5
541	6.77	270	808.38	233.28	609	7.42	250	815.15	244.88
542	0	330	812.36	209.01	61	0.54	190	809.29	268.34
543	16.12	520	830.84	134.69	611	0	360	813.82	196.64
544	31.71	260	813.03	239.63	612	23.65	650	830.64	78.27
545	10.45	320	813.09	213.65	613	0	280	809.61	229.48
546	2.26	320	813.09	213.65	614	1.51	570	830.7	112.96
547	4.73	200	814.39	266.21	616	4.57	560	830.73	117.31
548	5.3	240	808.57	246.36	617	0	560	830.73	117.31
549	17.68	400	811.84	178.45	618	6.61	380	812.19	187.27
55	24.28	640	864.59	97.31	619	3.14	370	812.2	191.61
550	4.17	280	812.94	230.92	62	0	150	847.2	302.1
551	2.7	280	812.44	230.71	620	1.47	280	809.6	229.48
552	0	280	812.44	230.71	621	0	560	830.72	117.3
553	18.12	480	798.09	137.83	622	6.92	550	830.86	121.7
554	22.87	540	797.71	111.66	623	1.96	550	830.86	121.7
555	58.17	650	831.36	78.58	624	0	300	815.81	223.5
556	6.6	510	803.13	127.01	625	2.65	550	830.86	121.7
557	29.45	510	798.09	124.83	626	13.64	570	797.61	98.62
558	32.41	620	830.87	91.37	627	1.59	280	809.6	229.47
559	25.23	400	812.56	178.76	628	21.72	480	797.33	137.5
56	0	150	836.14	297.31	629	0	290	816.36	228.07
560	3.96	320	815.14	214.54	63	40.06	250	853.41	261.46
561	31.5	620	831.29	91.55	630	20.14	310	809.58	216.47
562	14.04	550	797.69	107.33	631	14.45	360	813.82	196.64
563	29.9	570	802.04	100.54	632	19.42	440	814.11	162.1
564	9.46	300	813.16	222.35	633	0	230	817.14	254.41
565	11.54	260	808.98	237.87	634	12.47	330	813.3	209.41
566	2.04	330	803.13	205.01	635	7.64	290	809.6	225.14
567	10.85	260	814.39	240.22	636	8.21	560	830.68	117.29
569	8.93	260	809.24	237.98	637	0	400	813.8	179.3
57	0	150	846.61	301.84	639	6.12	280	815.19	231.9
570	3.2	200	815.15	266.54	64	4.93	280	854.18	248.79
571	5.56	320	815.14	214.54	640	31.29	400	813.8	179.3
572	18.54	700	830.9	56.72	641	32.21	310	816	219.25
573	23.43	320	812.75	213.51	642	0.81	520	830.87	134.7
574	19.88	570	797.56	98.6	643	0.6	520	830.86	134.69
575	10.08	240	816	249.58	644	0	520	830.86	134.69
576	33.88	570	797.64	98.64	645	9.37	640	830.57	82.57
578	2.63	620	830.76	91.32	646	0.52	520	830.85	134.69
579	16.02	530	797.42	115.87	647	6.2	520	798.84	120.82
58	12.45	240	809.23	246.65	648	2.13	520	830.86	134.69
582	9.63	500	797.4	128.86	649	21.14	380	814.01	188.05
583	11.44	540	797.92	111.76	65	83.6	460	872.22	178.62
584	6.88	600	830.76	99.99	650	16.97	510	801.39	126.26
585	13.72	240	809.72	246.86	651	17.1	290	816.14	227.97
586	3.55	510	798.33	124.93	652	16	330	815.18	210.23
587	25.99	400	813.11	179	653	12.58	250	816.38	245.41
588	8.89	510	798.33	124.93	655	8.28	530	830.67	130.28
589	5.84	620	830.91	91.39	656	1.65	570	830.56	112.9
59	0.08	481	884.7	174.92	658	1.36	580	830.56	108.57
590	2.5	240	809.64	246.82	659	1.46	520	798.87	120.84
591	16.21	560	830.92	117.39	66	23.97	170	852.24	295.61
592	1.84	240	809.64	246.82	660	0	520	798.81	120.81
593	7.73	400	811.92	178.49	661	28.27	530	798.71	116.43
594	11.86	570	797.91	98.75	663	1.58	580	830.56	108.57
595	7.18	360	813.83	196.64	664	1.43	580	830.56	108.57
596	12.97	320	814.42	214.23	665	6.74	540	801.4	113.26
598	6.87	240	815.15	249.21	666	28.41	520	801.4	121.93
599	23.83	280	816	232.25	668	3.33	640	830.46	82.53
6	19.63	630	936.4	132.76	669	5.09	640	830.46	82.53
60	6.46	200	809.28	264	67	24.95	380	863.53	209.51
600	4.21	270	809.64	233.83	670	1.54	240	816.62	249.85

Node Report – Peak Hour Demand Scenario

ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
671	0	380	813.79	187.96	736	0	640	830.43	82.51
672	1.29	520	798.88	120.84	737	0	640	830.43	82.51
673	15.66	300	816.37	223.74	738	3.95	580	829.9	108.28
674	6.93	540	830.65	125.94	739	1.71	480	802.28	139.65
675	5.18	520	798.75	120.78	74	0	140	851.07	308.1
676	16.56	560	798.72	103.44	740	0.63	480	802.11	139.57
677	16.87	640	830.45	82.52	741	8.26	660	829.9	73.62
678	7.6	360	813.79	196.63	742	2.25	640	830.43	82.51
679	24.77	360	816.02	197.59	743	23.47	480	811.33	143.57
68	7.43	200	809.49	264.09	744	10.38	450	808.19	155.2
680	3.08	400	813.11	179	745	9	450	814.98	158.15
681	32.26	440	813.94	162.03	746	8.1	630	829.9	86.62
682	9.25	400	814.04	179.4	747	0	280	816.02	232.26
683	11.61	430	814.12	166.44	748	14.42	440	814.98	162.48
684	4.58	520	798.72	120.77	749	14.91	490	813.35	140.11
685	4.54	400	813.79	179.3	75	0	140	851.07	308.1
686	5.72	540	799.65	112.51	750	6.45	480	811.18	143.5
687	14.72	430	813.09	165.99	751	8.83	520	815.7	128.13
688	6.57	630	830.49	86.87	752	5.81	320	805.62	210.42
689	3.62	430	813.39	166.12	753	4.3	450	811.18	156.5
69	2.65	200	807.37	263.17	754	7.1	480	804.18	140.47
690	2.65	430	813.39	166.12	755	0	480	804.3	140.52
692	1.32	330	805.99	206.25	756	8.26	440	807.27	159.14
693	5.94	300	805.98	219.24	757	29.69	620	829.94	90.97
694	1.23	320	805.99	210.58	758	2.72	360	806.07	193.28
695	7.89	560	799.66	103.84	759	13.95	280	837.64	241.63
696	2.34	560	799.65	103.84	76	0	390	863.53	205.18
699	3.75	520	798.72	120.77	760	4.32	410	806.7	171.89
7	0	490	936.45	193.44	761	16.4	520	814.64	127.67
70	0	150	832.32	295.65	762	3.71	450	807.27	154.81
700	0	461	939.53	207.35	763	12.14	470	815.35	149.64
702	10.57	590	798.7	90.43	764	5.19	520	813.34	127.1
703	1.1	520	798.71	120.77	765	1.75	470	815.41	149.67
704	15.35	390	815.53	184.38	766	12.78	520	815.7	128.13
705	16.53	430	813.96	166.37	767	12.93	470	811.19	147.84
706	10.88	310	805.97	214.9	768	35.23	430	816.01	167.26
707	9.78	400	808.18	176.86	769	2.71	480	808.23	142.22
708	9.93	340	815.42	206	77	1.12	400	863.77	200.95
71	0	170	831.76	286.74	770	4.06	480	808.1	142.17
710	6.26	435	938.89	218.34	771	2.56	480	808.24	142.23
711	1.83	630	830.46	86.86	772	15.52	480	810.1	143.03
712	31.97	630	830.27	86.78	773	6.83	540	813.34	118.44
713	0	560	800.01	103.99	774	5.48	490	811.18	139.17
714	0	480	864	166.39	775	6.99	500	811.22	134.85
715	23.62	560	799.63	103.83	776	6.1	490	811.09	139.13
716	11.9	450	814.64	158	777	3.3	340	837.64	215.63
717	5.32	400	814.64	179.66	778	13.79	340	837.64	215.63
718	8.09	470	811.6	148.02	779	7.94	520	815.7	128.13
719	5.24	370	814.64	192.66	78	6.89	180	824.4	279.22
72	0	150	832.32	295.65	780	15.63	310	837.64	228.63
720	4.28	470	811.56	148	781	3.1	490	810.78	138.99
721	8.61	370	816.02	193.26	782	6.74	430	816.3	167.38
722	0.5	360	815.53	197.38	783	10.05	360	816.29	197.71
723	21.31	430	811.55	165.32	784	5.29	470	810.3	147.45
724	13.67	360	815.54	197.38	785	3.9	460	809.73	151.54
725	1.23	310	816.02	219.26	786	0	470	810.11	147.37
726	12.06	400	804.07	175.08	787	2.59	470	809.94	147.3
727	27.22	490	813.94	140.36	788	9.87	520	815.99	128.25
728	7.03	470	802.28	143.98	789	10.16	460	809.63	151.49
729	19.7	440	811.14	160.82	79	49.76	680	863.91	79.69
73	0.09	140	851.07	308.1	790	10.32	440	821.4	165.26
730	6.67	640	830.43	82.51	791	7.67	480	816.77	145.92
732	15.04	380	815.41	188.66	793	10.06	310	837.64	228.63
733	20.91	560	799.64	103.83	794	0	510	817.05	133.04
734	3.79	480	801.98	139.52	795	2.33	450	810.73	156.31
735	5.15	520	798.71	120.77	796	16.07	310	837.67	228.64

Node Report – Peak Hour Demand Scenario

ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
797	26.17	540	815.53	119.39	8520	0	270	523.87	110
798	4.63	510	818.34	133.6	8522	0	270	963.06	300.3
799	1.48	440	810.72	160.63	8524	34.85	540	861.05	139.11
8	15.79	470	940.11	203.7	8526	43.14	600	856.43	111.11
80	38.78	720	863.4	62.14	8528	17.54	350	853.79	218.29
800	8.21	280	838.04	241.8	853	51.59	490	846.16	154.33
801	1.37	440	810.72	160.63	8530	26.13	640	863.35	96.78
802	8.22	280	838.04	241.8	8532	31.86	630	860.11	99.71
803	11.29	310	837.85	228.72	8534	41.97	560	855.33	127.97
804	5.69	320	837.9	224.41	8536	0	1,150.00	1,215.93	28.57
805	14.94	500	823.36	140.11	8538	0	1,150.00	1,422.52	118.08
806	6.86	320	838.01	224.45	8540	4.61	320	623.82	131.64
807	9.78	530	812.13	122.25	8542	3.77	330	623.82	127.31
808	9.1	560	818.34	111.94	8544	7.42	340	623.82	122.98
809	0	510	823.65	135.9	8546	11.22	390	623.83	101.32
81	0	150	851.07	303.77	855	37.62	480	846.05	158.61
811	8.5	560	815.47	110.69	8550	0	370	846.5	206.47
812	11.54	320	838.08	224.48	8554	0	370	846.68	206.54
813	5.96	440	821.18	165.17	8556	0	370	846.82	206.6
814	8.87	440	821.41	165.26	8558	5.61	500	823.21	140.05
815	5.34	560	817.72	111.67	856	8.02	590	837.42	107.21
816	1.78	560	817.79	111.7	8560	0	680	972.29	126.65
817	9.18	440	809.36	160.04	8562	2.3	680	864.47	79.93
818	0.98	570	815.61	106.42	8564	0	280	493.72	92.61
819	10.3	460	809.45	151.42	8568	0	620	956.19	145.67
82	0	450	864.36	179.54	857	13.66	650	837.75	81.35
820	3.4	440	809.53	160.12	8570	0	390	871.06	208.45
821	13.74	320	838.23	224.55	8572	0	390	562.94	74.93
822	1.32	390	809.37	181.71	8574	0	390	562.94	74.93
823	3.09	590	816.14	97.99	8576	0	390	871.06	208.45
824	0	590	816.09	97.96	8578	0	390	563.02	74.97
825	10.9	590	815.92	97.89	8580	0	390	870.99	208.41
826	9.25	450	809.44	155.75	859	4.3	680	837.74	68.35
827	16.18	520	809.22	125.32	8590	62.89	520	935.75	180.15
828	24.5	440	837.61	172.29	8592	0	280	957.49	293.56
829	4.33	440	809.37	160.05	8598	0	230	850.88	269.03
83	71.42	370	854.75	210.04	86	0	640	863.65	96.91
830	9.71	530	809.21	120.98	860	7.15	580	837.42	111.54
831	14.1	510	821.16	134.82	8604	2.57	160	851.84	299.78
832	25.66	560	829.72	116.87	8606	5.12	440	864	183.72
833	29.97	480	837.64	154.97	861	0	680	837.74	68.35
834	11.95	440	809.39	160.05	8616	5.63	600	925.99	141.25
835	21.16	440	837.83	172.38	8618	0	810	1,171.14	156.48
836	12.88	540	834.47	127.59	862	0	520	837.28	137.48
837	14.22	360	838.23	207.21	8622	21.17	660	954.38	127.55
838	11.14	550	809.19	112.31	8624	0.58	1,080.00	1,171.76	39.76
839	7.72	500	809.21	133.98	8626	3.54	400	863.73	200.94
84	36.61	430	860.19	186.4	8628	9.09	540	937.16	172.09
840	4.63	560	809.18	107.97	863	0	520	837.37	137.52
841	4.89	600	833.38	101.12	8630	2.41	250	943.68	300.57
842	8.2	530	837.67	133.31	8632	0	150	837.64	297.95
843	1	600	834.47	101.6	8634	0	450	864.4	179.56
844	0.16	530	834.47	131.93	8636	5.2	450	864.34	179.53
845	10.27	520	816.07	128.29	864	0.08	520	837.52	137.58
846	22.49	600	816.08	93.63	8640	5.83	560	963.57	174.87
847	0	560	835.03	119.17	8642	1.77	310	841.52	230.31
848	0	600	834.47	101.6	8648	5.15	610	792.29	78.99
85	3.3	640	863.46	96.82	865	11.72	650	841.66	83.04
850	0	600	834.47	101.6	8652	0.53	510	793.37	122.79
851	0	600	834.47	101.6	8654	1.52	440	795.68	154.11
8510	0	500	831.05	143.44	8658	69.02	1,150.00	1,664.97	223.14
8512	0	570	773.52	88.19	8660	9.76	810	1,664.74	370.36
8514	0	570	773.52	88.19	867	4.33	680	840.01	69.33
8516	0	570	773.52	88.19	868	18.74	590	843.05	109.65
8518	0	570	713.09	62	8682	0	1,120.00	1,188.60	29.72
852	10.23	480	836.11	154.3	869	71.86	600	845.79	106.5

Node Report – Peak Hour Demand Scenario

ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)	ID	Demand (gpm)	Elevation (ft)	Head (ft)	Pressure (psi)
8692	0.08	470	1,188.63	311.38	938	17.11	590	971.2	165.18
87	21.05	650	863.65	92.57	939	26.64	660	971.18	134.83
870	1.8	650	841.64	83.04	94	2.29	240	824.4	253.22
8702	0	690	964.31	118.86	940	3.48	600	970.77	160.66
8704	0	810	882.46	31.4	941	10.37	580	970.78	169.32
8706	0	410	977.69	245.98	942	7.57	590	970.8	165
8710	4.5	1,440.00	1,938.08	215.82	943	7.67	590	970.74	164.97
8714	0.36	560	928.24	159.56	944	89.17	720	965.37	106.32
872	15.3	650	843.07	83.66	945	21.78	720	965.38	106.32
873	11.47	640	843.05	87.98	946	11.04	730	965.43	102.01
874	43.68	680	846.48	72.14	947	7.87	600	970.64	160.6
875	26.51	680	849.04	73.25	948	32.34	720	966.72	106.9
878	3.45	610	855.64	106.44	949	19.11	630	970.58	147.57
879	2.34	680	849.04	73.25	95	13.78	640	863.21	96.72
880	18.53	680	855	75.83	950	11.76	680	967.83	124.72
881	5.51	640	859.45	95.09	951	8.11	680	967.83	124.72
882	0.55	720	859.45	60.42	953	19.83	680	970.57	125.9
883	0	640	859.8	95.24	954	36.31	700	1,233.60	231.21
885	0	400	864.05	201.07	957	1.45	740	1,235.88	214.86
886	0	480	864	166.39	959	13.1	740	1,235.87	214.86
887	0	660	863.91	88.35	96	35.64	640	863.6	96.89
888	8.27	680	864.07	79.76	960	5.42	760	1,232.12	204.57
889	10.6	510	864.03	153.4	963	3.04	760	1,235.86	206.19
89	57.75	450	855.17	175.56	964	5.35	760	1,235.86	206.19
890	1.9	680	864.09	79.77	965	24.5	700	1,231.32	230.22
891	3.19	490	864.06	162.08	966	18.67	780	1,231.40	195.59
892	14.51	470	864.01	170.73	967	0	630	970.63	147.59
893	15.97	590	864.24	118.83	969	13.6	640	970.62	143.26
894	3.82	660	864.18	88.47	97	0	440	855.79	180.16
896	3.03	550	864.1	136.1	971	11.52	840	1,235.86	171.53
898	9.53	630	864.27	101.51	972	6.62	790	1,235.86	193.19
9	0	510	936.45	184.78	973	11.56	800	1,235.86	188.86
90	0	650	863.22	92.39	974	7.3	730	1,223.16	213.68
900	3.36	690	864.03	75.41	975	16.15	820	1,229.64	177.5
901	18.8	680	864.03	79.74	977	2.83	640	1,221.67	252.04
902	6.08	450	864.09	179.42	98	0	610	862.53	109.42
903	6.82	720	864.03	62.41	980	4.18	760	1,223.16	200.69
904	3.62	470	864.93	171.12	981	0	740	1,222.08	208.89
906	9.64	720	864.03	62.41	986	6.21	760	1,221.70	200.06
907	2.46	400	866.14	201.98	987	0.86	700	1,221.68	226.05
908	9.85	430	865.29	188.61	989	0.86	710	1,221.68	221.71
909	27.05	600	864	114.39	99	17	210	798.66	255.07
91	25.82	640	863.16	96.69	990	7.64	650	1,221.67	247.7
910	3.82	420	865.36	192.97	992	6.46	750	1,221.68	204.38
911	11.79	690	864.04	75.41	993	43.3	880	1,221.78	148.09
913	10.79	690	864.09	75.43	994	30.19	730	1,221.52	212.98
915	5.85	670	864.16	84.13	996	8.08	710	1,221.67	221.71
917	0	620	864.16	105.8	997	0	690	1,221.68	230.38
919	42.13	600	864.4	114.56	998	1.57	700	1,221.68	226.05
92	0	630	863.14	101.02					
920	0	600	864.4	114.56					
921	4.57	600	864.39	114.56					
922	3.63	640	864.16	97.13					
923	14.73	470	864.37	170.88					
924	0.97	600	864.16	114.46					
925	8.62	570	864.33	127.53					
926	8.7	550	864.33	136.2					
927	7.99	490	863.94	162.03					
929	37.19	520	863.95	149.03					
93	39.1	440	856.62	180.52					
930	18.33	720	970.97	108.75					
931	8.83	560	971.35	178.24					
932	24.49	600	971.6	161.01					
934	20.03	560	971.36	178.24					
935	4.12	580	971.61	169.68					
937	35.77	540	971.06	186.78					

Pipe Report – Peak Hour Demand Scenario

ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
0	517	525	339.18	8	120	9.96	0.06	0	0
1	517	492	1,777.01	6	120	-46.78	0.53	0.53	0.3
10	6	4	1,168.15	8	120	-19.63	0.13	0.02	0.01
100	1068	1065	50.89	12	120	0	0	0	0
1000	947	943	878.94	12	120	-173.29	0.49	0.1	0.11
10000	2630	2628	1	12	120	1,800.00	5.11	0.01	8.73
10002	2629	2631	1	12	120	1,800.00	5.11	0.01	8.73
10004	8000	2628	3	2	120	0	0	0	0
10006	2629	8000	3	4	120	0	0	0	0
10008	8001	2630	3	8	120	1,800.00	11.49	0.19	62.91
1001	949	947	683.51	12	120	-151.83	0.43	0.06	0.09
10010	2631	8001	3	8	120	1,800.00	11.49	0.19	62.93
10016	10013	10015	70.42	14	120	0	0	0	0
10018	10015	1302	120.01	14	120	-1,298.48	2.71	0.27	2.25
1002	946	945	594.43	6	120	21.78	0.25	0.04	0.07
10020	10013	10003	76.36	12	120	-930.33	2.64	0.2	2.57
10022	10015	10007	79.9	12	120	1,298.48	3.68	0.38	4.77
10024	10003	10001	21.61	8	120	-930.33	5.94	0.4	18.53
10026	8004	10001	36.42	8	120	930.33	5.94	0.67	18.53
10028	10005	8004	29.39	8	120	930.37	5.94	0.54	18.53
1003	948	946	741.51	6	120	121.99	1.38	1.3	1.75
10030	10005	10007	21.62	12	120	-1,298.48	3.68	0.1	4.77
10032	8006	10003	34.66	4	120	0	0	0	0
10034	10007	8006	32.65	4	120	0	0	0	0
10036	10017	1305	52.86	8	120	0	0	0	0
1004	2448	2446	15	6	120	0	0	0	0
10040	10019	59	36.33	16	120	-3,003.73	4.79	0.2	5.55
10046	39	10021	874.62	12	120	530.85	1.51	0.8	0.91
10048	10023	52	788.17	8	120	-535.71	3.42	5.26	6.67
1005	2449	2447	14.37	6	120	0	0	0	0
10050	10025	10023	5.66	8	120	0	0	0	0
10052	10027	10029	3	6	120	535.71	6.08	0.08	27.08
10054	10033	10031	3	6	120	-535.71	6.08	0.08	27.08
10056	8010	10031	3	6	120	535.71	6.08	0.08	27.06
10058	10029	8010	3	6	120	535.71	6.08	0.08	27.08
1006	2034	2035	351.65	6	120	-93.71	1.06	0.38	1.07
10060	10027	8008	2.76	3	120	0	0	0	0
10062	8008	10033	3	3	120	0	0	0	0
10064	10023	10027	18.03	8	120	535.71	3.42	0.12	6.67
10066	10025	10033	17.9	8	120	-535.71	3.42	0.12	6.67
10068	10035	10037	14.18	24	120	-1,914.58	1.36	0	0.33
1007	2450	2440	58.23	8	120	0	0	0	0
10070	10037	8702	6.36	24	120	-1,914.58	1.36	0	0.34
10076	10039	1215	115.21	16	120	-1,660.86	2.65	0.21	1.85
1008	2453	2442	128.99	8	120	-745.2	4.76	1.59	12.29
10082	10043	10041	136.84	12	120	0	0	0	0
10084	1453	10043	1,839.34	12	120	1,445.32	4.1	10.7	5.81
10086	10045	10049	3	8	120	1,445.32	9.23	0.13	41.91
10088	8012	10045	3	8	120	1,445.32	9.23	0.13	41.91
1009	2437	2441	1,257.24	24	120	2,107.76	1.49	0.5	0.4
10090	10047	8012	3	8	120	1,445.32	9.23	0.13	41.91
10092	10047	10051	3	4	120	0	0	0	0
10094	8014	10049	3	4	120	0	0	0	0
10096	10051	8014	3	4	120	0	0	0	0
10098	10049	10041	74.63	12	120	1,445.32	4.1	0.43	5.81
101	1070	1068	37.57	12	120	0	0	0	0
1010	2453	2455	242.69	8	120	745.2	4.76	2.98	12.29
10100	10043	10047	46.56	12	120	1,445.32	4.1	0.27	5.81
10102	10055	10053	23.42	14	120	0	0	0	0
10104	10055	809	738.89	14	120	2,279.08	4.75	4.71	6.38
10106	10053	10061	16	12	120	2,292.37	6.5	0.22	13.66
10108	10057	10055	32	12	120	2,292.37	6.5	0.44	13.66
1011	2110	2120	741.11	6	120	15.22	0.17	0.03	0.04

Pipe Report – Peak Hour Demand Scenario

ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
10110	10061	8018	3	8	120	2,292.37	14.63	0.3	98.45
10112	8018	10057	3	8	120	2,292.37	14.63	0.3	98.47
10114	10061	10065	3	4	120	0	0	0	0
10116	10065	8016	3	4	120	0	0	0	0
10118	8016	10067	3	4	120	0	0	0	0
1012	2113	2114	119.12	16	120	-958.37	1.53	0.08	0.67
10120	10067	10057	3	4	120	0	0	0	0
10122	1475	10069	942	8	120	1.11	0.01	0	0
10124	1452	10075	1,360.72	12	120	-117.67	0.33	0.08	0.06
10126	10075	10077	1,070.40	12	120	-182.11	0.52	0.13	0.13
10128	10077	1484	940.31	12	120	-244.7	0.69	0.2	0.22
1013	1673	1674	6.36	10	120	68.98	0.28	0	0.06
10130	10077	10079	228.49	8	120	39.31	0.25	0.01	0.05
10132	10075	10081	252.84	8	120	45.87	0.29	0.02	0.07
10134	10079	10083	240.77	8	120	22.29	0.14	0	0.02
10136	10081	10085	228.92	8	120	20.58	0.13	0	0.02
10138	1466	10087	216.93	8	120	18.08	0.12	0	0.01
1014	1670	100092	23.93	10	120	0	0	0	0
10140	700	8	445.41	8	120	-221.51	1.41	0.58	1.3
10142	710	12	477.65	8	120	-210.88	1.35	0.57	1.19
10144	714	886	14.31	20	120	466.71	0.48	0	0.06
10146	8020	960	14.68	8	120	0	0	0	0
10148	8022	2536	25.4	8	120	0	0	0	0
1015	1670	100088	45.18	8	120	68.98	0.44	0.01	0.15
10150	8024	2539	6.54	8	120	0	0	0	0
10152	8026	2443	2.44	8	120	0	0	0	0
10154	8028	2444	2.2	8	120	0	0	0	0
10156	8031	2453	3.86	8	120	0	0	0	0
1016	1671	1670	36.01	10	120	68.98	0.28	0	0.05
10160	8034	2044	14.11	8	120	0	0	0	0
10162	2283	2266	1,686.56	8	120	390.5	2.49	6.26	3.71
10164	8036	8710	7.18	8	120	0	0	0	0
10166	8038	10016	27.06	8	120	0	0	0	0
10168	8040	2163	13.16	10	120	0	0	0	0
1017	1727	1671	1,624.24	6	120	71.82	0.82	1.06	0.66
10170	8042	2190	4.65	8	120	0	0	0	0
10172	8044	2190	11.33	6	120	0	0	0	0
10174	8046	10058	697.94	8	120	0	0	0	0
10176	2606	8048	0.54	12	120	0	0	0	0
10178	8048	100002	0.43	12	120	0	0	0	0
1018	579	582	1,539.91	6	120	9.63	0.11	0.02	0.02
10184	1004	1012	1,103.78	8	110	8.75	0.06	0	0
10186	1012	2598	1,176.78	8	110	8.75	0.06	0	0
1019	579	628	1,312.06	6	120	21.72	0.25	0.09	0.07
102	1066	1069	47.52	12	120	718	2.04	0.08	1.59
1020	574	579	449.41	6	120	47.37	0.54	0.14	0.3
10208	1020	28	535.69	12	120	1.19	0	0	0
1021	576	574	555.12	8	120	67.24	0.43	0.08	0.14
10210	1020	1016	507.88	12	120	-424.52	1.2	0.31	0.6
10212	1056	8532	357.09	8	120	332.99	2.13	0.99	2.76
10214	1164	116	597.39	12	120	148.65	0.42	0.05	0.09
10216	1056	1164	667.98	8	120	-367.84	2.35	2.22	3.32
10218	1977	1214	157.19	20	130	-374.39	0.38	0.01	0.03
1022	576	626	893.63	6	120	13.64	0.15	0.03	0.03
10220	1214	100174	2,229.10	20	130	-442.33	0.45	0.1	0.05
10222	1214	1238	902.73	8	120	67.94	0.43	0.13	0.15
10224	1965	1334	857.57	6	120	34.86	0.4	0.15	0.17
10226	1334	1278	424.11	4	120	34.86	0.89	0.53	1.24
10228	1278	1994	835.17	4	120	85.51	2.18	5.45	6.52
1023	583	576	726.43	8	120	114.77	0.73	0.28	0.38
10230	2033	1278	1,547.08	8	120	56.75	0.36	0.16	0.1
10234	179	143	1,385.86	16	130	-1,643.66	2.62	2.17	1.57
10236	2	1400	822.08	8	120	-15.31	0.1	0.01	0.01
10238	1400	10	805.17	8	120	-15.31	0.1	0.01	0.01
1024	1758	2248	470.32	12	120	-795.46	2.26	0.9	1.92
10242	249	1354	2,932.05	16	120	-437.21	0.7	0.46	0.16

Pipe Report – Peak Hour Demand Scenario

ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
10244	1422	147	220.25	12	120	566.86	1.61	0.23	1.03
10246	141	1422	1,146.38	8	120	17.21	0.11	0.01	0.01
10248	360	1492	499.1	12	120	-16.79	0.05	0	0
1025	1767	1766	15.02	18	120	336.68	0.42	0	0.06
10250	1492	342	33.45	12	120	317.9	0.9	0.01	0.35
10252	1492	328	270.81	12	120	-334.69	0.95	0.1	0.39
10254	1500	20004	59.11	8	120	245.35	1.57	0.09	1.57
10256	1560	316	1,682.74	10	120	145.62	0.59	0.34	0.2
10258	1500	1562	849.63	8	120	-50.69	0.32	0.07	0.08
1026	1768	1767	7.56	18	120	336.68	0.42	0	0.05
10260	1562	1624	587.94	8	120	-50.69	0.32	0.05	0.08
10262	1624	1560	344.22	8	120	-50.77	0.32	0.03	0.08
10264	1642	605	372.91	12	120	-203.97	0.58	0.06	0.15
10266	1642	1742	618.62	8	120	63.55	0.41	0.08	0.13
10268	1742	1812	823.48	8	120	18.39	0.12	0.01	0.01
1027	1756	1766	664.48	8	120	-336.68	2.15	1.87	2.82
10270	1812	1824	304.17	8	120	12.19	0.08	0	0.01
10272	1742	1798	1,296.57	8	120	33.21	0.21	0.05	0.04
10274	1964	553	831.15	14	120	314.54	0.66	0.14	0.16
10276	1798	1964	743.47	8	120	0	0	0	0
10278	1798	1972	182.45	8	120	31.72	0.2	0.01	0.04
10280	1972	1864	1,529.05	8	120	23.68	0.15	0.03	0.02
10282	1980	685	60.89	10	120	-473.27	1.93	0.11	1.79
10284	2012	551	107.43	8	120	-96.79	0.62	0.03	0.28
10286	2012	2030	854.47	8	120	-110.89	0.71	0.31	0.36
10288	2030	2008	939.54	8	120	-119.11	0.76	0.39	0.41
10290	2008	2000	1,617.91	8	120	-77.66	0.5	0.3	0.19
10292	2008	2000	1,571.63	8	120	-78.88	0.5	0.3	0.19
10294	1980	2000	396.09	8	120	157.8	1.01	0.27	0.69
10296	2084	842	1,257.06	6	120	47.07	0.53	0.38	0.3
10298	867	2100	463.51	8	120	341.46	2.18	1.34	2.9
103	1072	1069	37.87	10	120	-718	2.93	0.15	3.87
10300	2100	2084	349.45	8	120	263.76	1.68	0.63	1.8
10302	2100	2112	324.7	8	120	73.57	0.47	0.05	0.17
10304	2112	2142	567.47	8	120	6.45	0.04	0	0
10306	2142	1554	2,453.94	8	120	-25.97	0.17	0.06	0.02
10308	2166	1483	1,754.66	18	120	541.59	0.68	0.23	0.13
10310	2166	2164	3,609.16	12	120	0	0	0	0
10314	2170	2174	2,896.26	16	120	18.79	0.03	0	0
10316	2174	2178	3,038.22	16	120	0	0	0	0
10318	2178	2194	3,014.39	16	120	0	0	0	0
1032	1784	1786	30.95	18	120	6,445.00	8.13	0.4	12.86
10320	2228	1785	17.56	18	120	-6,445.00	8.13	0.23	12.86
10324	2368	1792	62.07	18	120	6,315.04	7.96	0.77	12.38
10326	2228	2288	104.78	18	120	6,445.00	8.13	1.35	12.86
10328	1769	2300	5.51	18	120	0	0	0	0
1033	1785	1786	17.73	18	120	-6,445.00	8.13	0.23	12.86
10330	2300	8054	18.81	12	120	0	0	0	0
10332	8054	2252	21.03	12	120	0	0	0	0
10334	2300	8056	18.11	12	120	0	0	0	0
10336	8056	2252	19.97	12	120	0	0	0	0
10338	2252	2288	2.78	18	120	0	0	0	0
10340	2370	1769	57.52	18	120	-1,132.14	1.43	0.03	0.51
10342	2288	PALAMESA_TNK	605.74	18	120	6,445.00	8.13	7.79	12.86
10344	PALAMESA_TNK	2368	193.05	16	120	3,542.42	5.65	1.45	7.53
10346	PALAMESA_TNK	2368	303.91	16	120	2,772.61	4.42	1.45	4.79
10348	2370	2248	95.52	12	120	795.46	2.26	0.18	1.92
10350	8058	1792	24.3	18	120	0	0	0	0
10352	2372	2344	20.47	6	120	0	0	0	0
10354	2382	2340	37.61	18	120	4,974.22	6.27	0.3	7.96
10356	2372	8060	19.1	6	120	0	0	0	0
10358	8060	2382	18.41	6	120	0	0	0	0
1036	583	594	314.61	6	120	11.86	0.13	0.01	0.02
10360	10017	10005	147.95	12	120	-368.11	1.04	0.07	0.46
10362	2394	1730	1,029.58	18	120	60.58	0.08	0	0
10364	2394	8007	35.29	8	120	0	0	0	0

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
10368	2627	2626	41.97	24	120	0	0	0	0
10370	2396	2522	886.35	8	120	119.31	0.76	0.37	0.41
10372	2406	2396	911.78	8	120	736.78	4.7	10.97	12.03
10374	2408	10064	720.58	12	120	-147.31	0.42	0.06	0.08
10376	2410	2408	1,011.29	12	120	-137.89	0.39	0.08	0.07
10378	2412	949	850.4	8	120	-240.96	1.54	1.29	1.52
10380	2422	1667	213.44	12	120	-144.14	0.41	0.02	0.08
10382	2432	1688	155.13	12	120	-122.42	0.35	0.01	0.06
10384	2470	2504	570.63	8	120	-3.28	0.02	0	0
10386	2504	2632	390.49	8	120	-17.34	0.11	0	0.01
10388	2632	791	856.73	8	120	-22.82	0.15	0.02	0.02
10390	2634	2636	274.05	14	120	570.19	1.19	0.13	0.49
10392	2636	2638	349.13	14	120	568.59	1.19	0.17	0.49
10394	2638	761	550.26	14	120	563.64	1.17	0.26	0.48
10396	2640	761	991.32	14	120	-547.24	1.14	0.45	0.45
10398	2642	507	686.39	8	120	13.85	0.09	0.01	0.01
104	1070	1073	27.92	12	120	-1,744.20	4.95	0.23	8.24
10400	2644	1300	2,771.93	14	120	-913.08	1.9	3.25	1.17
10402	2646	2644	906.28	14	120	-865.67	1.8	0.96	1.06
10404	2648	2650	581.63	10	120	335.55	1.37	0.55	0.95
10406	2650	201	526.46	10	120	321.62	1.31	0.46	0.87
10408	2652	212	754.51	16	120	-507.85	0.81	0.16	0.21
10410	2654	471	386.97	14	120	71.74	0.15	0	0.01
10412	2656	2654	598.39	14	120	100.33	0.21	0.01	0.02
10414	2658	2656	928.53	14	120	119.04	0.25	0.02	0.03
10416	2660	472	989.5	12	120	-347.2	0.98	0.41	0.41
10418	2662	2664	1,517.31	6	120	-75.3	0.85	1.09	0.72
10420	2664	8714	812.89	6	120	-95.42	1.08	0.9	1.11
10422	2666	1175	2,096.45	14	120	-1,309.04	2.73	4.79	2.28
10424	2668	1221	796.6	8	120	107.89	0.69	0.27	0.34
10426	2670	65	947.47	16	120	-2,920.12	4.66	4.99	5.27
10428	2672	2674	266.98	8	120	-147.83	0.94	0.16	0.61
1043	1788	1790	18.93	18	120	0	0	0	0
10430	2674	1085	344.98	8	120	-152.2	0.97	0.22	0.65
10432	2676	1088	242.96	8	120	1.63	0.01	0	0
10434	2678	2680	613.09	8	120	7.71	0.05	0	0
10436	2680	1040	619.86	8	120	3.21	0.02	0	0
10438	2682	1043	444.3	8	120	2.34	0.01	0	0
1044	1791	1788	9.93	18	120	0	0	0	0
10440	2684	172	1,038.85	8	120	8.73	0.06	0	0
10442	2686	2688	563.95	18	120	4.9	0.01	0	0
10444	2688	1645	206.11	18	120	2.22	0	0	0
10446	2422	2424	395.94	8	120	49.4	0.32	0.03	0.08
10448	2424	2434	782.9	8	120	34.37	0.22	0.03	0.04
1045	1793	1791	5.41	18	120	0	0	0	0
10450	2434	2460	583.82	8	120	19.93	0.13	0.01	0.02
10452	2460	2432	391.66	8	120	5.8	0.04	0	0
10454	2692	2066	22.48	20	120	0	0	0	0
10456	2694	2064	20.15	27	120	0	0	0	0
10458	2692	8005	20.33	8	120	0	0	0	0
1046	1796	1793	5.11	24	120	0	0	0	0
10460	8005	2694	30.77	8	120	0	0	0	0
10462	8007	2696	1.51	8	120	0	0	0	0
10464	2698	8009	22.37	6	120	0	0	0	0
10466	2704	490	319.39	6	120	46.65	0.53	0.09	0.29
10468	2698	2700	65.24	6	100	46.65	0.53	0.03	0.41
1047	1801	100154	377.2	24	120	0	0	0	0
10470	2700	2702	38.91	6	100	46.65	0.53	0.02	0.41
10472	2702	2704	61.29	6	100	46.65	0.53	0.03	0.41
10474	8009	2704	21.29	6	120	0	0	0	0
10476	1843	2724	267.86	8	120	-127.22	0.81	0.12	0.47
10478	8013	2708	12.48	8	120	20.89	0.13	0	0.02
1048	1789	1769	43.21	18	120	1,132.15	1.43	0.02	0.51
10480	2706	8013	9.79	8	120	20.89	0.13	0	0.01
10482	2708	331	232.01	12	120	20.89	0.06	0	0
10488	2716	2170	2,311.35	16	120	18.79	0.03	0	0

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
1049	1789	1795	18.79	18	120	-1,132.15	1.43	0.01	0.51
105	1071	1070	234.34	12	120	-1,744.20	4.95	1.93	8.24
1050	1790	1789	13.44	18	120	0	0	0	0
1051	1795	1802	113.71	18	120	-959.84	1.21	0.04	0.38
1053	588	583	761.34	8	120	138.06	0.88	0.41	0.54
10530	359	348	505.53	4	120	6.43	0.16	0.03	0.05
10534	2031	2004	1,234.99	16	120	1,452.18	2.32	1.78	1.44
10536	2004	2710	360.47	16	120	18.79	0.03	0	0
1054	1768	2370	19.83	18	120	-336.68	0.42	0	0.06
10544	2726	363	575.87	20	120	250.55	0.26	0.01	0.02
10546	2726	8033	121.84	8	120	0	0	0	0
10548	8033	2728	373.16	8	120	0	0	0	0
1055	1795	1808	646.1	10	120	-172.3	0.7	0.18	0.28
10550	363	361	33.88	20	120	249.1	0.25	0	0.02
10554	2710	2740	58.9	8	120	18.79	0.12	0	0.01
10556	2740	2742	14.3	8	120	0	0	0	0
10558	2742	8037	22.42	8	120	0	0	0	0
1056	674	655	318.98	4	120	-6.93	0.18	0.02	0.06
10560	2744	2746	15.01	8	120	0	0	0	0
10566	2710	2748	44.71	16	120	0	0	0	0
10568	2748	2716	34.85	16	120	18.79	0.03	0	0
1057	655	658	879.21	10	120	109.33	0.45	0.1	0.12
10570	2740	8035	23.3	4	120	18.79	0.48	0.01	0.4
10572	2746	2748	58.8	8	120	18.79	0.12	0	0.01
10574	8035	2746	19.41	4	120	18.79	0.48	0.01	0.4
10576	8037	2744	20.57	8	120	0	0	0	0
10578	2750	136	227.98	16	120	1,643.66	2.62	0.41	1.82
1058	746	738	537.06	6	120	3.95	0.04	0	0
10580	2750	2752	172.05	16	120	0	0	0	0
10582	2752	2756	81.81	16	120	1,643.66	2.62	0.15	1.82
10584	2754	2750	54.03	16	120	1,643.66	2.62	0.1	1.82
10586	2756	8039	18.74	16	120	1,643.66	2.62	0.03	1.82
10588	2754	8041	34.85	2	120	0	0	0	0
1059	648	644	163.74	6	120	-2.13	0.02	0	0
10590	8039	2754	19.77	16	120	1,643.66	2.62	0.04	1.82
10592	8041	2756	40.87	2	120	0	0	0	0
10594	8636	82	12.47	12	100	-547.81	1.55	0.02	1.35
106	1073	1072	46.24	16	120	-718	1.15	0.02	0.39
1060	1822	1802	1,114.07	14	120	779.29	1.62	0.97	0.87
10602	1940	1952	347.49	6	120	0	0	0	0
1061	1802	1804	20.45	18	120	-180.55	0.23	0	0.01
1062	1805	1807	376.38	36	120	2,615.38	0.82	0.03	0.08
1063	1754	100158	1,610.20	18	120	-2,609.65	3.29	3.88	2.41
1064	1826	100160	465.46	8	120	-10.95	0.07	0	0
1065	1835	8704	2,359.46	42	120	0	0	0	0
1067	1806	1804	69.71	8	120	180.55	1.15	0.06	0.89
1068	664	663	30.79	10	120	5.06	0.02	0	0
1069	664	658	39.55	10	120	-107.97	0.44	0	0.12
107	1092	1093	114.13	8	120	6.36	0.04	0	0
1070	1763	1745	932.17	18	120	1,648.80	2.08	0.96	1.03
1071	1746	1763	1,074.04	20	120	-2,050.86	2.09	0.99	0.92
1072	1797	1763	302.1	36	120	3,699.66	1.17	0.05	0.16
1073	688	664	689.21	10	120	-101.48	0.41	0.07	0.1
1074	1745	2394	92.66	18	120	60.58	0.08	0	0
1075	1743	1744	230.71	12	120	-717.85	2.04	0.37	1.59
1077	737	730	21.1	10	120	-54.44	0.22	0	0.03
1078	921	926	1,232.03	6	120	17.32	0.2	0.06	0.05
1079	921	923	551.15	6	120	14.73	0.17	0.02	0.03
108	1092	1089	403.24	12	120	-333.31	0.95	0.15	0.38
1080	919	910	1,723.92	8	120	-139.78	0.89	0.95	0.55
1081	915	919	1,997.29	8	120	-61.04	0.39	0.24	0.12
1082	730	711	631.95	10	120	-61.11	0.25	0.03	0.04
1083	742	737	34.06	10	120	-2.25	0.01	0	0
1085	1920	1924	479.51	16	120	147.7	0.24	0.01	0.02
1086	746	741	143.55	6	120	8.26	0.09	0	0.01
1087	1884	100052	41.28	2	120	-14.97	1.53	0.31	7.57

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
1088	501	511	255.7	20	120	-2,119.78	2.16	0.25	0.98
1089	1888	1874	434.2	10	120	280.26	1.14	0.29	0.68
109	1095	1092	479.5	12	120	-325.43	0.92	0.18	0.37
1090	1884	1876	369.97	6	120	14.98	0.17	0.01	0.04
1091	1900	1888	1,010.16	10	120	295.24	1.21	0.75	0.75
1092	511	485	830.59	6	120	8.4	0.1	0.01	0.01
1093	1921	1905	1,104.38	8	120	-12.34	0.08	0.01	0.01
1094	1903	100044	39.39	2	120	12.34	1.26	0.21	5.3
1095	1894	1927	1,409.15	6	120	-95.48	1.08	1.56	1.11
1096	1904	1901	340.65	6	120	2.98	0.03	0	0
1097	1916	1904	550.32	10	120	310.56	1.27	0.45	0.82
1098	553	526	986.22	14	120	298.2	0.62	0.15	0.15
1099	660	588	1,364.00	14	120	479.29	1	0.48	0.36
11	7	5	83.07	8	120	0	0	0	0
110	1984	1920	1,365.32	16	120	225.94	0.36	0.06	0.05
1100	1925	1909	808.65	14	120	1,246.86	2.6	1.69	2.09
1101	1927	1940	307.4	6	120	7.69	0.09	0	0.01
1102	1925	1917	312.11	10	120	529.51	2.16	0.69	2.2
1103	1927	1925	122.52	14	120	1,798.58	3.75	0.5	4.11
1104	1959	1927	886	14	120	1,901.75	3.96	4.04	4.56
1105	696	715	263.52	6	120	23.62	0.27	0.02	0.08
1106	696	686	222.35	6	120	5.72	0.06	0	0.01
1108	713	10066	209.05	12	120	637.51	1.81	0.27	1.28
1109	1958	100032	41.39	6	120	0	0	0	0
111	1961	1976	297.84	16	120	-1,901.75	3.03	0.71	2.38
1110	1959	1961	736.71	16	120	-1,901.75	3.03	1.75	2.38
1111	1954	1944	200.81	8	120	0	0	0	0
1112	713	734	1,548.90	12	120	-637.51	1.81	1.98	1.28
1113	733	10066	1,538.62	6	120	-20.91	0.24	0.1	0.07
1114	699	735	761.48	6	120	5.15	0.06	0	0
1115	661	660	880.7	6	120	-28.27	0.32	0.1	0.12
1116	675	10042	334.88	6	120	-46.89	0.53	0.1	0.3
1117	675	676	594.91	6	120	16.56	0.19	0.03	0.04
1118	684	675	287.92	6	120	-25.15	0.29	0.03	0.09
1119	699	684	260.19	8	120	-20.57	0.13	0	0.02
112	2010	1924	3,025.63	16	120	-71.86	0.11	0.02	0.01
1120	1962	1965	450.22	6	120	50.63	0.57	0.15	0.34
1121	703	699	10.17	8	120	-11.67	0.07	0	0.01
1122	702	703	961.8	6	120	-10.57	0.12	0.02	0.02
1123	10056	935	1,543.50	12	120	357.71	1.01	0.68	0.44
1124	1922	8562	632.32	16	120	2.3	0	0	0
1125	1890	1850	1,388.09	8	120	35.36	0.23	0.06	0.04
1126	1891	1892	1,285.11	8	120	36.02	0.23	0.06	0.05
1127	1814	1813	178.75	8	120	2.39	0.02	0	0
1128	1830	1850	533.14	8	120	-34.55	0.22	0.02	0.04
1129	1830	1828	740.48	6	120	4.96	0.06	0	0
113	937	942	1,739.48	12	120	202.37	0.57	0.27	0.15
1130	934	937	1,257.88	12	120	256.48	0.73	0.3	0.24
1131	935	934	664.25	12	120	329.1	0.93	0.25	0.38
1132	907	910	557.49	12	120	673.08	1.91	0.79	1.41
1133	10008	1834	116.39	12.1	120	15.35	0.04	0	0
1134	1819	907	387.46	12	120	675.54	1.92	0.55	1.42
1135	1803	1764	811.67	6	120	-92.93	1.05	0.86	1.06
1136	935	932	441.93	8	120	24.49	0.16	0.01	0.02
1137	1946	1951	177.02	16	120	-358.1	0.57	0.02	0.11
1138	1867	1922	2,041.96	16	120	45.23	0.07	0	0
1139	929	927	450.99	6	120	7.99	0.09	0.01	0.01
114	1951	1987	607.21	8	120	15.48	0.1	0.01	0.01
1140	1867	929	1,880.79	6	120	45.18	0.51	0.52	0.28
1141	1752	1817	1,354.85	14	120	155.27	0.32	0.06	0.04
1142	900	901	519.93	8	120	18.8	0.12	0.01	0.01
1143	891	892	194.14	4	120	14.51	0.37	0.05	0.24
1144	889	886	163.13	6	120	36.42	0.41	0.03	0.19
1145	896	889	210.4	6	120	47.01	0.53	0.06	0.3
1146	10054	902	474.66	6	120	6.08	0.07	0	0.01
1147	896	10054	61.52	6	120	23.78	0.27	0.01	0.08

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
1148	904	896	1,208.33	6	120	73.83	0.84	0.83	0.69
1149	898	893	699.97	6	120	15.97	0.18	0.03	0.04
115	1977	1957	682.82	20	120	374.39	0.38	0.03	0.04
1151	926	925	139.63	6	120	8.62	0.1	0	0.01
1152	917	924	569.59	6	120	0.97	0.01	0	0
1153	917	922	184.87	8	120	3.63	0.02	0	0
1154	915	917	1,034.39	8	120	4.6	0.03	0	0
1155	913	915	206.48	6	120	-50.59	0.57	0.07	0.34
1156	911	913	232.64	6	120	-39.8	0.45	0.05	0.22
1157	900	903	417.54	8	120	15.49	0.1	0	0.01
1158	888	900	716.34	8	120	37.66	0.24	0.03	0.05
1159	894	888	1,501.16	8	120	45.93	0.29	0.11	0.07
1160	885	1726	894.87	16	120	2,168.79	3.46	2.72	3.04
1161	569	565	379.78	6	120	73.46	0.83	0.26	0.68
1162	585	569	573.18	6	120	82.4	0.93	0.48	0.85
1163	1739	1727	239.23	6	120	80.69	0.92	0.19	0.81
1164	1749	1739	522.87	6	120	82.27	0.93	0.44	0.84
1165	1744	1758	1,064.59	12	120	-737.18	2.09	1.78	1.67
1166	1729	1743	603.1	12	120	-717.85	2.04	0.96	1.59
1167	1805	1797	315.65	36	120	-2,615.38	0.82	0.03	0.08
1168	1829	1747	2,689.86	6	120	-31.02	0.35	0.37	0.14
1169	1808	1816	554.11	8	120	-201.88	1.29	0.61	1.09
117	1963	1968	590.5	6	120	22.84	0.26	0.05	0.08
1170	1859	1870	101.16	8	120	-329.24	2.1	0.27	2.71
1171	1827	1816	708.86	4	120	-56.09	1.43	2.12	2.99
1172	1858	1870	455.92	6	120	-15.23	0.17	0.02	0.04
1173	1856	1857	50.5	6	120	-84.8	0.96	0.04	0.89
1174	1851	1856	546.04	6	120	-73.49	0.83	0.37	0.68
1175	1853	1851	253.2	8	120	-25.56	0.16	0.01	0.02
1177	1872	1871	195.16	6	120	165.48	1.88	0.6	3.07
1178	1800	1818	775.87	6	120	80.26	0.91	0.62	0.8
1179	1842	1840	173.69	8	120	115.16	0.74	0.07	0.39
118	1969	1963	353.21	6	120	28.75	0.33	0.04	0.12
1180	1843	1842	198.02	8	120	118.29	0.75	0.08	0.41
1181	1863	1866	869.69	8	120	134.8	0.86	0.45	0.52
1182	1866	1846	1,391.58	8	120	128.57	0.82	0.66	0.47
1183	1760	1734	1,336.22	6	120	143.81	1.63	3.17	2.37
1184	1877	1878	257.92	8	120	22.05	0.14	0	0.02
1185	1874	1877	224.05	8	120	22.05	0.14	0	0.02
1186	1913	1910	213.11	8	120	25.9	0.17	0.01	0.02
1187	1913	1916	173.53	8	120	-218.95	1.4	0.22	1.27
1188	1906	1911	539.61	8	120	-192.48	1.23	0.54	1
1189	1906	1896	148.62	8	120	3.22	0.02	0	0
119	1967	1966	36.58	6	120	27.47	0.31	0	0.11
1190	1909	1906	217.65	8	120	-188.38	1.2	0.21	0.96
1191	1937	1940	306.01	6	120	-6.35	0.07	0	0.01
1192	1938	1937	113.54	6	120	-3.07	0.03	0	0
1194	1921	1915	250.87	8	120	6.6	0.04	0	0
1195	1942	1948	444.71	8	120	0	0	0	0
1196	1923	1929	425.81	8	120	4.65	0.03	0	0
1197	1923	1921	78.7	8	120	-4.65	0.03	0	0
1198	1942	1923	577.21	8	120	0	0	0	0
1199	937	930	1,737.27	6	120	18.33	0.21	0.09	0.05
12	7	9	300.05	8	120	-25.53	0.16	0.01	0.02
120	1971	1934	768.68	20	120	1,303.91	1.33	0.31	0.4
1200	934	938	599.38	6	120	43.75	0.5	0.16	0.26
1201	934	931	1,011.52	6	120	8.83	0.1	0.01	0.01
1202	1965	1931	630.26	4	120	15.78	0.4	0.18	0.29
1203	1895	1893	691.9	6	120	133.04	1.51	1.42	2.05
1204	1928	8622	1,168.76	6	120	375.61	4.26	16.4	14.03
1205	10000	1416	19.26	8.1	120	0	0	0	0
1206	1924	1941	502.92	6	120	5.08	0.06	0	0
1207	890	887	165.34	10	120	365.03	1.49	0.18	1.11
1208	1819	1762	998.53	6	120	115.09	1.31	1.57	1.57
1209	1762	1761	97.36	6	120	114.51	1.3	0.15	1.55
1210	1761	1764	431.34	6	120	114.38	1.3	0.67	1.55

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
1211	1764	1811	392.83	6	120	12.68	0.14	0.01	0.03
1212	1750	8626	307.21	10	120	585.9	2.39	0.82	2.65
1213	1738	10006	68.56	10	120	580.15	2.37	0.18	2.61
1214	894	890	184.33	12	120	366.92	1.04	0.08	0.46
1216	1819	10008	1,194.26	12	120	-795.16	2.26	2.3	1.92
1217	1879	1871	472.25	6	120	-71.18	0.81	0.3	0.64
1218	1839	1854	998.49	8	120	-322.83	2.06	2.61	2.61
1219	1854	1859	146.44	8	120	-325.34	2.08	0.39	2.65
122	1953	1981	879.1	16	120	1,406.97	2.25	1.2	1.36
1220	1840	1800	1,630.10	6	120	105.14	1.19	2.16	1.33
1221	1840	1826	773.78	8	120	2.41	0.02	0	0
1222	1404	1370	1,714.78	16	120	3,027.19	4.83	9.66	5.63
1223	1405	1404	69.21	16	120	3,360.45	5.36	0.47	6.83
1224	1407	1405	340.02	16	120	3,360.45	5.36	2.32	6.83
1225	1380	1370	1,388.26	24	120	-2,142.98	1.52	0.57	0.41
1226	1386	1395	1,111.91	6	120	41.11	0.47	0.26	0.23
1227	1391	1379	376.98	8.1	120	8.06	0.05	0	0
1228	1393	1376	904.44	8	120	-47.25	0.3	0.07	0.07
1229	1397	1386	841.87	8	120	-98.73	0.63	0.24	0.29
123	1953	8706	1,098.50	16	120	-1,407.38	2.25	1.5	1.36
1230	1385	1382	33.27	24.1	120	43.61	0.03	0	0
1231	1384	1382	935.92	24	120	-1,881.91	1.33	0.3	0.32
1232	1387	1384	837.57	24	120	-1,874.19	1.33	0.27	0.32
1233	1352	1351	156.3	6	120	40.83	0.46	0.04	0.23
1234	1280	1276	249.36	14	120	-1,648.27	3.44	0.87	3.5
1235	1285	1279	550.46	6	120	1.75	0.02	0	0
1236	1295	1285	760.56	6	120	46.31	0.53	0.22	0.29
1237	1298	1295	857.38	6	120	68.67	0.78	0.52	0.6
1238	98	102	6.96	4	120	224.05	5.72	0.27	38.83
1239	106	107	1.04	4	120	-214.35	5.47	0.04	35.76
124	1981	1935	981.83	8	120	10.11	0.06	0	0
1240	98	92	149.46	8	120	-410.96	2.62	0.61	4.08
1241	107	100144	5	4	120	-224.05	5.72	0.19	38.83
1242	1373	1392	581	8	120	5.13	0.03	0	0
1243	1392	1396	252.77	8	120	0	0	0	0
1244	1691	1699	267.55	10	120	7.99	0.03	0	0
1246	1616	1625	404.28	6	120	38.75	0.44	0.08	0.21
1248	8542	1596	325.04	6	120	4.73	0.05	0	0
1249	8544	1605	213.39	6	120	-1.61	0.02	0	0
125	1936	1990	1,747.65	12	120	-487.94	1.38	1.36	0.78
1250	1605	1598	212.81	6	120	6.96	0.08	0	0.01
1251	1605	1611	1,023.77	6	120	-16.97	0.19	0.05	0.05
1252	1641	1654	1,424.37	6	120	120.2	1.36	2.42	1.7
1254	1691	1686	539.36	6	120	6.31	0.07	0	0.01
1255	1677	1672	261.18	6	120	8.24	0.09	0	0.01
1256	1660	1651	339.51	6	120	11.53	0.13	0.01	0.02
1257	1606	1603	326.61	18	120	1,393.35	1.76	0.25	0.75
1258	1603	1599	833.76	18	120	1,393.35	1.76	0.63	0.75
1259	1618	1606	1,066.12	18	120	1,393.35	1.76	0.8	0.75
1260	1618	1616	141.25	12	120	-1,393.35	3.95	0.77	5.43
1261	1633	1635	198.89	6	120	3.96	0.04	0	0
1262	1633	1627	268.35	8	120	-33.62	0.21	0.01	0.04
1263	1627	1630	247.05	6	120	4.28	0.05	0	0
1264	1627	1621	127.28	8	120	-44.14	0.28	0.01	0.07
1265	1620	1618	45.97	18	120	0	0	0	0
1266	1615	1613	45.71	12	120	684.14	1.94	0.07	1.46
1267	1613	1615	126.23	4	120	-21.98	0.56	0.07	0.53
1268	1601	1597	180.7	8	120	219.63	1.4	0.23	1.28
1269	1597	1600	659.81	8	120	50.69	0.32	0.06	0.08
127	1994	1956	685.46	8	120	68.44	0.44	0.1	0.15
1270	1656	1658	416.94	12	120	0	0	0	0
1271	1594	1592	62.87	12	120	88.34	0.25	0	0.03
1272	1684	1693	359.8	8	120	3.63	0.02	0	0
1273	1684	1675	254.82	8	120	2.32	0.01	0	0
1274	1687	1666	283.33	8	120	-16.22	0.1	0	0.01
1275	1702	1701	278.52	8	120	4.07	0.03	0	0

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
1276	1724	1725	53.8	6	120	1.12	0.01	0	0
1277	1724	1723	49.71	10	120	57.73	0.24	0	0.04
1278	1723	1719	60.5	6	120	2.06	0.02	0	0
1279	1723	1721	266.93	10	120	55.22	0.23	0.01	0.03
128	708	732	784.81	8	120	15.04	0.1	0.01	0.01
1280	1721	1705	210.21	8	120	13.02	0.08	0	0.01
1281	1717	1712	104.24	8	120	11.24	0.07	0	0
1282	1722	1718	125.46	8	120	22.54	0.14	0	0.02
1283	1718	1722	216.29	6	120	-7.88	0.09	0	0.01
1284	1721	1722	612.96	8	120	40.25	0.26	0.03	0.06
1285	1718	1714	216.66	8	120	27.56	0.18	0.01	0.03
1286	1717	1714	304.69	6	120	-6.45	0.07	0	0.01
1287	1714	1717	229.29	8	120	16.04	0.1	0	0.01
1288	1712	1720	287.16	8	120	5.65	0.04	0	0
1289	815	816	117.35	14.1	120	-654.42	1.34	0.07	0.61
129	1631	1609	1,000.67	8	120	19.25	0.12	0.01	0.01
1290	816	815	53.2	14	120	984.52	2.05	0.07	1.35
1291	807	799	731.29	12	120	797.22	2.26	1.41	1.93
1292	838	830	622.21	6	120	-15.77	0.18	0.02	0.04
1293	827	839	611.24	6	120	7.72	0.09	0.01	0.01
1294	781	784	302.08	6	120	116.22	1.32	0.48	1.6
1295	786	772	382.76	6	120	15.52	0.18	0.01	0.04
1296	781	776	132.52	6	120	-143.23	1.63	0.31	2.35
1297	818	797	795.88	6	120	26.17	0.3	0.08	0.1
1298	795	801	181.65	6	120	21.58	0.24	0.01	0.07
1299	813	831	735.42	6	120	14.1	0.16	0.02	0.03
13	9	10	39.52	8	120	48.64	0.31	0	0.08
130	1631	1641	960.96	12	120	-1,587.42	4.5	6.65	6.92
1300	814	790	885.13	8	120	10.32	0.07	0	0
1302	850	843	101.19	10	120	14.05	0.06	0	0
1303	848	10044	306.37	18	120	14.05	0.02	0	0
1304	794	788	338.42	8	120	356.75	2.28	1.06	3.14
1305	788	779	317.57	8	120	180.48	1.15	0.28	0.89
1306	841	848	169.1	14	120	-2,297.26	4.79	1.09	6.47
1307	843	836	353.45	8	120	12.88	0.08	0	0.01
1308	864	863	287.71	16	120	843.48	1.35	0.15	0.53
1309	863	862	79.22	20	120	2,199.62	2.25	0.08	1.05
131	1616	8550	94.42	12	120	-1,433.24	4.07	0.54	5.72
1310	862	852	1,007.43	20	120	2,321.54	2.37	1.17	1.16
1311	867	861	894.95	14	120	1,385.85	2.89	2.27	2.54
1312	859	857	145.63	14	120	-111.69	0.23	0	0.02
1313	1593	1591	437.97	6	120	18.83	0.21	0.02	0.05
1314	1552	1553	1,104.48	6	120	90.73	1.03	1.12	1.01
1315	1612	1582	1,818.18	6	120	112.94	1.28	2.76	1.52
1316	1559	1563	610.32	6	120	13.3	0.15	0.02	0.03
1317	1508	1509	214.45	8	120	102.67	0.66	0.07	0.31
1318	1573	1568	62.9	18	120	1,844.63	2.33	0.08	1.27
1319	1552	1543	436.29	18	120	1,732.41	2.18	0.49	1.13
132	842	833	496.06	8	120	38.87	0.25	0.03	0.05
1320	1543	1532	346.64	18	120	1,696.01	2.14	0.38	1.08
1321	1532	1528	176.55	18	120	1,528.88	1.93	0.16	0.9
1322	192	194	91.17	8	120	-70.63	0.45	0.01	0.16
1323	191	192	450.48	6	120	-104.71	1.19	0.59	1.32
1324	1559	1552	299.04	18	120	1,823.58	2.3	0.37	1.24
1325	1753	1704	1,626.32	8	120	263.81	1.68	2.92	1.8
1326	1537	1527	420.69	6	120	24.28	0.28	0.04	0.09
1327	1537	1536	274.19	6	120	11	0.12	0.01	0.02
1328	1543	1541	420.4	6	120	36.41	0.41	0.08	0.19
1329	1593	8642	1,084.19	18	120	1,862.59	2.35	1.4	1.29
133	780	777	462.28	8	120	8.2	0.05	0	0
1330	1550	1493	1,724.06	8	120	9.21	0.06	0.01	0
1331	1555	1550	360.16	6	120	22.23	0.25	0.03	0.07
1332	1579	1577	28.33	8	120	107.64	0.69	0.01	0.34
1333	1577	1561	802.08	8	120	61.38	0.39	0.1	0.12
1334	1566	1510	2,218.58	10	120	3.12	0.01	0	0
1335	1524	1505	804.85	12	120	-240.11	0.68	0.17	0.21

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
1336	1505	1489	659.28	12	120	-291.49	0.83	0.2	0.3
1337	1524	1520	213.09	8	120	68.72	0.44	0.03	0.15
1338	1520	1514	255.2	8	120	7.71	0.05	0	0
1339	1520	1516	225.31	8	120	13.75	0.09	0	0.01
134	793	780	553.79	8	120	11.49	0.07	0	0.01
1340	1516	1519	212.57	8	120	7.3	0.05	0	0
1341	1505	1496	228.53	8	120	41.3	0.26	0.01	0.06
1342	1496	1488	237.49	8	120	18.77	0.12	0	0.01
1343	1488	1495	331.78	8	120	5.94	0.04	0	0
1344	1488	1485	207.44	8	120	7.25	0.05	0	0
1345	1496	1504	293.31	8	120	10.43	0.07	0	0
1346	1496	1490	296.34	8	120	5.79	0.04	0	0
1347	1489	1484	172.87	12	120	250.1	0.71	0.04	0.23
1348	832	757	2,199.96	6	120	-25.66	0.29	0.21	0.1
1349	757	746	604.51	6	120	20.31	0.23	0.04	0.06
135	803	835	1,220.24	8	120	21.16	0.14	0.02	0.02
1351	623	591	447.07	8	120	-65.75	0.42	0.06	0.14
1352	591	589	552.97	8	120	24.38	0.16	0.01	0.02
1353	656	663	71.66	6	120	20	0.23	0	0.06
1354	656	668	1,035.76	6	120	25.3	0.29	0.1	0.09
1355	668	677	312.58	6	120	16.87	0.19	0.01	0.04
1356	668	669	297.69	6	120	5.09	0.06	0	0
1357	578	584	243.23	6	120	6.88	0.08	0	0.01
1358	656	636	391.5	6	120	-46.94	0.53	0.12	0.3
1359	616	578	862.81	8	120	-32.07	0.2	0.03	0.04
136	803	804	130.22	8	120	-120.84	0.77	0.06	0.42
1360	643	644	29.52	12	120	127.18	0.36	0	0.06
1362	711	712	1,248.02	6	120	31.97	0.36	0.18	0.15
1363	672	660	162.3	14	120	507.56	1.06	0.06	0.39
1364	672	10066	809.83	12	120	-577.04	1.64	0.86	1.06
1365	758	760	366.32	12	120	-749.83	2.13	0.63	1.72
1366	754	726	661.18	4	120	12.06	0.31	0.11	0.17
1367	756	762	171.88	6	120	3.71	0.04	0	0
1368	758	694	1,434.31	6	120	19.36	0.22	0.08	0.06
1369	694	692	100.59	6	120	1.32	0.01	0	0
137	796	803	764.85	8	120	-88.39	0.56	0.18	0.24
1370	694	693	277.37	6	120	16.82	0.19	0.01	0.04
1371	680	687	440.41	6	120	14.72	0.17	0.02	0.03
1372	718	619	2,343.58	8	120	-92.11	0.59	0.6	0.26
1373	619	680	1,505.94	10	120	-262.79	1.07	0.91	0.6
1374	690	1980	356.35	10	120	-313.79	1.28	0.3	0.84
1375	685	2640	940.45	14	120	-524.69	1.09	0.4	0.42
1376	720	723	522.68	8	120	21.31	0.14	0.01	0.02
1377	1475	1502	887.2	12	120	-1,450.42	4.11	5.19	5.85
1378	768	724	1,037.46	8	120	125.56	0.8	0.47	0.45
1379	1432	10041	4.95	12	120	-1,445.32	4.1	0.03	5.82
138	793	796	374.2	8	120	-46.04	0.29	0.03	0.07
1380	1453	1475	577.69	12	120	-1,446.80	4.1	3.37	5.83
1383	1447	1443	1,113.68	6	120	58.53	0.66	0.5	0.45
1384	1449	1448	954.26	6	120	19	0.22	0.05	0.06
1385	1448	1445	389.77	6	120	10.83	0.12	0.01	0.02
1386	1448	1450	613.08	6	120	6.52	0.07	0	0.01
1387	1446	1447	202.47	10	120	-8.81	0.04	0	0
1388	1441	1438	675.63	8	120	0	0	0	0
1389	602	599	39.41	8	120	-26.9	0.17	0	0.03
139	777	833	1,818.62	8	120	-8.89	0.06	0.01	0
1390	629	633	1,214.74	18	120	-1,276.36	1.61	0.78	0.64
1391	1438	1437	106.84	6	120	0	0	0	0
1392	1439	1436	183.57	6	120	0	0	0	0
1393	1433	1429	381.54	8	120	0	0	0	0
1394	1429	1428	285.68	8	120	0	0	0	0
1395	1433	1430	65.13	8	120	0	0	0	0
1396	1438	1435	272.3	8	120	0	0	0	0
1397	1429	1431	206.32	6	120	0	0	0	0
1398	1435	1427	1,007.42	6	120	0	0	0	0
1399	578	558	1,797.27	8	120	-41.58	0.27	0.11	0.06

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
14	9	11	239.51	8	120	-74.17	0.47	0.04	0.17
140	778	777	67.4	8	120	-13.79	0.09	0	0.01
1400	514	10038	1,649.51	12	120	126.8	0.36	0.11	0.06
1401	558	514	2,309.72	8	120	-90.11	0.58	0.57	0.25
1402	467	493	609.76	4	120	48.06	1.23	1.37	2.24
1403	493	497	254.56	4	120	19.58	0.5	0.11	0.43
1404	497	500	68.57	4	120	10.37	0.26	0.01	0.13
1405	484	467	1,264.65	6	120	66.6	0.76	0.72	0.57
1406	555	523	1,234.04	12	120	-308.65	0.88	0.41	0.33
1407	523	2660	739.21	12	120	-320.58	0.91	0.26	0.36
1408	561	555	987.5	8	120	-45.18	0.29	0.07	0.07
1409	591	561	1,111.03	8	120	-106.34	0.68	0.37	0.33
141	793	828	1,239.19	8	120	24.5	0.16	0.03	0.02
1410	558	543	737.91	6	120	16.12	0.18	0.03	0.04
1411	526	521	684.92	6	120	18.26	0.21	0.04	0.05
1412	526	519	468.8	14	120	272.56	0.57	0.06	0.12
1413	586	1964	549.21	14	120	328.78	0.69	0.1	0.18
1414	519	511	268.05	20	120	2,131.27	2.18	0.27	0.99
1415	519	535	2,895.54	20	120	-2,638.67	2.69	4.26	1.47
1416	527	513	623	6	120	8.81	0.1	0.01	0.01
1417	506	505	336.02	6	120	1.29	0.01	0	0
1418	505	2698	125.54	6	120	46.65	0.53	0.04	0.29
1419	490	489	366	6	120	1.18	0.01	0	0
142	759	796	989.05	8	120	-26.28	0.17	0.02	0.03
1420	542	550	846.62	24	120	-2,812.59	1.99	0.58	0.68
1421	506	502	26.94	6	120	0.65	0.01	0	0
1424	1411	1412	235.91	8	120	0	0	0	0
1425	117	94	462.23	6	120	-0.71	0.01	0	0
1426	138	132	389.27	6	120	64.82	0.74	0.21	0.54
1427	135	138	129.29	6	120	442.57	5.02	2.46	19.01
1428	8598	2752	411.62	16	120	1,643.66	2.62	0.75	1.82
1429	97	93	247.78	14	120	-1,607.35	3.35	0.83	3.34
143	1166	1165	33.28	16	120	-964.29	1.54	0.02	0.68
1430	93	84	937.53	14	120	-1,724.96	3.6	3.57	3.81
1431	84	82	1,053.26	14	120	-1,761.56	3.67	4.17	3.96
1432	93	118	552.3	8	120	78.5	0.5	0.11	0.19
1434	110	96	626.48	6	120	0	0	0	0
1435	1237	1250	1,296.03	6	120	23.42	0.27	0.11	0.08
1436	130	125	245.35	8	120	22.6	0.14	0	0.02
1437	1242	1258	1,379.28	10	120	17.67	0.07	0.01	0
1438	1249	1247	268.45	6	120	303.15	3.44	2.53	9.43
1439	1281	1273	333.97	6	120	368.71	4.18	4.53	13.56
		STH-							
144	1165	TURNER_TNK	11.4	20	120	-3,782.60	3.86	0.03	2.87
1440	99	69	1,306.10	10	120	-963.45	3.94	8.71	6.67
1441	78	68	1,682.78	10	120	1,123.54	4.59	14.92	8.86
1442	72	70	35.01	10	120	0	0	0	0
1443	70	71	147.32	10	120	710.1	2.9	0.56	3.79
1444	58	53	390.44	6	120	-12.45	0.14	0.01	0.03
1445	45	46	554.84	4	120	9.77	0.25	0.07	0.12
1446	47	41	349.69	4	120	6.37	0.16	0.02	0.05
1447	28	27	125.92	12	120	1.19	0	0	0
1448	68	61	911.1	10	120	150	0.61	0.19	0.21
1449	33	29	1,110.89	8	120	94.5	0.6	0.3	0.27
145	1166	1165	13.54	20	120	-2,818.31	2.88	0.02	1.66
1450	33	31	560.54	10	120	4.2	0.02	0	0
1451	81	75	487.35	8	120	0	0	0	0
1452	67	77	208.34	12	120	-602.58	1.71	0.24	1.15
1453	67	76	91.27	6	120	0	0	0	0
1454	39	10025	25.97	8	120	-535.71	3.42	0.17	6.67
1455	49	35	930.84	6	120	21.09	0.24	0.06	0.07
1456	82	77	513.21	12	120	603.7	1.71	0.59	1.15
1457	8634	2670	540.19	16	120	-2,913.07	4.65	2.83	5.24
1458	32	30	109.16	12	120	-3,285.51	9.32	2.9	26.61
1459	1201	1202	16.48	16	120	-3,450.87	5.51	0.12	7.18
146	1168	1166	16.94	20	120	-3,782.60	3.86	0.05	2.87

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
1460	1161	1160	213.97	6	120	5.2	0.06	0	0.01
1461	1171	1167	117.21	8	120	445.6	2.84	0.56	4.74
1462	1139	1132	303.86	6	120	3.94	0.04	0	0
1463	1137	1133	280.52	4	120	5.68	0.15	0.01	0.04
1464	1140	1139	155	4	120	-38.1	0.97	0.23	1.46
1465	1139	1137	342.01	4	120	-42.04	1.07	0.6	1.75
1466	1137	1138	545.7	4	120	-54.66	1.4	1.55	2.85
1467	1138	1134	211.29	8	120	4.16	0.03	0	0
1468	15	22	1,449.55	12	120	650.13	1.84	1.92	1.32
1469	1126	1141	1,058.56	8	120	17.53	0.11	0.01	0.01
147	546	540	1,251.34	6	120	8.29	0.09	0.02	0.01
1470	1117	1154	1,397.77	6	120	-79.2	0.9	1.1	0.79
1471	1138	1152	454.25	6	120	-60.91	0.69	0.22	0.48
1472	1143	1114	1,304.23	12	120	-67.97	0.19	0.03	0.02
1473	1743	2696	28.2	8	120	0	0	0	0
1474	1870	1873	52.81	6	120	-344.48	3.91	0.63	11.95
1475	1794	1792	83.77	18	120	-6,315.04	7.96	1.04	12.38
1476	1417	1426	1,687.14	4	120	7.78	0.2	0.13	0.08
1477	1756	1753	76.03	8	120	274.01	1.75	0.15	1.93
1478	1816	1839	1,023.64	8	120	-290.46	1.85	2.2	2.15
1479	1351	1350	27.6	6	120	-2.57	0.03	0	0
148	544	550	342.04	24	120	1,746.91	1.24	0.1	0.28
1480	533	528	718.51	20	120	-3,008.97	3.07	1.35	1.88
1481	541	533	541.51	20	120	-2,986.86	3.05	1	1.85
1482	593	549	1,749.64	6	120	17.68	0.2	0.09	0.05
1483	720	718	53.96	6	120	-84.03	0.95	0.05	0.88
1484	695	696	42.56	6	120	31.68	0.36	0.01	0.14
1485	771	789	723.07	12	120	-795.61	2.26	1.39	1.92
1486	829	834	502.35	6	120	-14.82	0.17	0.02	0.04
1487	1909	1885	1,549.10	14	120	1,366.78	2.85	3.83	2.47
1488	1760	1757	331.19	8	120	33.72	0.22	0.01	0.04
1489	1749	1751	804.2	20	120	3,393.07	3.47	1.89	2.35
149	1178	1179	1.44	24.1	120	0	0	0	0
1490	1748	1749	400.06	20	120	3,480.16	3.55	0.98	2.46
1491	1747	1748	818.63	20	120	3,524.41	3.6	2.06	2.52
1492	1871	1825	1,797.79	6	120	80.5	0.91	1.45	0.81
1493	1872	100056	57.03	12	120	865.55	2.46	0.13	2.25
1494	1912	1872	1,895.10	12	120	1,057.14	3	6.17	3.26
1495	1919	1912	429.39	12	120	1,202.83	3.41	1.78	4.14
1496	1933	1926	482.87	12	120	1,418.15	4.02	2.71	5.61
1497	1926	1919	616.32	12	120	1,399.16	3.97	3.37	5.48
1498	300	292	383.78	14	120	317.9	0.66	0.06	0.17
1499	305	300	47.93	16	120	317.9	0.51	0	0.09
15	1104	1106	315.54	6	120	20.8	0.24	0.02	0.07
150	461	443	668.65	22	120	-1,800.00	1.52	0.3	0.46
1500	309	305	178.97	16	120	317.9	0.51	0.02	0.09
15000	1174	1173	7.29	12.1	120	-1,759.18	4.91	0.06	8.04
15002	1180	1178	9.27	24	120	158.97	0.11	0	0
15004	1228	1227	9.12	10	120	-199.94	0.82	0	0.36
15006	1389	1388	371.27	24	120	-1,811.58	1.28	0.11	0.3
15008	10000	1412	1,352.43	8	120	0	0	0	0
1501	312	309	156.24	16	120	317.9	0.51	0.01	0.09
15010	1471	1469	13.74	18	120	541.59	0.68	0	0.13
15012	1468	100096	12.84	10	120	0	0	0	0
15014	1462	1461	6.94	10	120	0	0	0	0
15016	1461	1458	7.38	10	120	0	0	0	0
15018	1458	1463	45.26	10	120	-541.59	2.21	0.1	2.29
1502	551	552	38	8	120	0	0	0	0
15020	1463	100106	14.05	10	120	-518.65	2.12	0.03	2.12
15022	1467	1469	47.64	10	120	-541.59	2.21	0.11	2.29
15024	178	177	3.21	8	120	58.33	0.37	0	0.11
15028	1590	1589	1.2	10	120	51.1	0.21	0	0
1503	10048	10050	53.57	16.1	120	882.63	1.39	0.03	0.56
15030	1629	1628	3.25	6	120	176.77	2.01	0.01	3.46
15032	1639	1638	7.28	12	120	90.36	0.26	0	0.03
15034	1644	1643	6.61	6	120	0	0	0	0

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
15038	1666	1667	2	12	120	144.14	0.41	0	0.09
1504	1489	1487	51.67	16	120	-541.59	0.86	0.01	0.23
15040	1711	1713	11.6	6	120	0	0	0	0
15042	1713	100064	4.25	6	120	0	0	0	0
15044	1715	1716	21.02	6	120	0	0	0	0
15046	10002	1710	70.94	6	120	-130.85	1.48	0.14	1.99
15048	10006	1741	345.76	6	120	23.51	0.27	0.03	0.08
1505	600	585	367.47	6	120	-39.4	0.45	0.08	0.22
15050	10006	1733	315.21	10	120	553.98	2.26	0.75	2.39
1506	627	620	129.31	6	120	-21.73	0.25	0.01	0.07
15060	1794	8058	14.17	18	120	0	0	0	0
15064	10008	1852	1,057.71	12	120	-830.87	2.36	2.21	2.09
1507	620	613	55.84	6	120	-30.85	0.35	0.01	0.14
15074	1861	1862	25.43	8	120	0	0	0	0
15076	1934	1933	35.41	12	120	1,817.38	5.16	0.31	8.89
15078	1883	1882	25.38	14	120	1,256.21	2.62	0.05	2.12
1508	680	689	407.18	10	120	-280.59	1.15	0.28	0.68
15080	1881	1880	4.96	8	120	1.39	0.01	0	0
15082	1865	1860	27.02	8	120	95.16	0.61	0.01	0.27
15084	1888	1886	15.74	6	120	14.98	0.17	0	0.03
15086	1886	100050	18.47	6	120	0	0	0	0
15088	10010	1885	859.18	6	120	-80.44	0.91	0.69	0.81
1509	1157	1154	182.44	6	120	206.86	2.35	0.85	4.65
15090	1898	10010	27.68	8	120	-73.26	0.47	0	0.17
15092	1855	1822	1,317.76	14	120	970.79	2.02	1.73	1.31
15094	10012	1855	168.67	14	120	1,091.67	2.28	0.28	1.63
15096	1891	1890	45.37	8	120	37.56	0.24	0	0.05
15098	1902	1900	5.16	10	120	307.58	1.26	0	0.8
151	1174	1172	33.88	12.1	120	-667.85	1.86	0.05	1.34
1510	1127	1131	76.41	8	120	20.72	0.13	0	0.02
15100	1904	1902	7.67	10	120	307.58	1.26	0.01	0.8
15102	1905	100042	20.24	8	120	0	0	0	0
15104	1903	1900	19.99	8	120	-12.34	0.08	0	0.01
15106	1911	1913	24.67	8	120	-193.05	1.23	0.02	1.01
15108	1917	1916	2.61	10	120	529.51	2.16	0.01	2.2
1511	1124	1127	88.74	8	120	20.72	0.13	0	0.02
15110	1933	1928	91.2	8	120	399.23	2.55	0.35	3.87
15112	1944	1942	17.35	8	120	0	0	0	0
15114	1961	1958	20.84	8	120	0	0	0	0
15116	1958	100028	17	8	120	0	0	0	0
15118	1967	1969	20.98	6	120	39.76	0.45	0	0.22
1512	1131	1146	685.65	6	120	20.72	0.24	0.04	0.07
15120	1982	1986	65.19	16	120	1,362.61	2.17	0.08	1.28
15122	2006	2009	62.91	16	120	-76.18	0.12	0	0.01
15124	10014	100174	23.8	20	120	1,141.30	1.17	0.01	0.31
15126	2018	2017	16.78	20	120	1,303.91	1.33	0.01	0.4
15128	2024	2025	15.95	6	120	2.18	0.02	0	0
1513	1114	1112	770.29	8	120	19.79	0.13	0.01	0.01
15130	2041	2042	33.16	16	120	-367.08	0.59	0	0.11
15132	2064	2062	23.31	27	120	0	0	0	0
15134	2062	2059	22.33	27	120	0	0	0	0
15136	2059	2054	22.33	27	120	0	0	0	0
15138	2054	2052	23.41	27	120	0	0	0	0
1514	1158	1143	368.44	12	120	39.47	0.11	0	0.01
15140	2066	2060	23.47	20	120	0	0	0	0
15142	2060	2057	22.31	20	120	0	0	0	0
15144	2057	2053	22.38	20	120	0	0	0	0
15146	2053	2051	23.37	20	120	0	0	0	0
15148	2098	2093	40.28	12	120	-332.34	0.94	0.02	0.38
1515	1129	1143	1,613.11	6	120	-29.98	0.34	0.21	0.13
15150	2093	2090	25.79	12	120	0	0	0	0
15154	2093	2095	29.22	16	120	-332.34	0.53	0	0.09
15156	2092	2096	16.05	16	120	-2,002.40	3.2	0.04	2.62
15158	2091	2092	10.1	24	120	-2,002.40	1.42	0	0.36
1516	1128	8590	834.09	8	120	75.63	0.48	0.15	0.18
15160	2116	2117	78.95	16	120	-972.92	1.55	0.05	0.69

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
15164	2125	2126	3.93	12	120	22.2	0.06	0	0
15166	2126	2127	0.93	12	120	0	0	0	0
15168	10016	2134	1,355.60	8	120	73.13	0.47	0.23	0.17
1517	1110	1111	341.49	6	120	5.78	0.07	0	0.01
15170	2167	2168	30.65	8	120	380.01	2.43	0.11	3.53
15172	2140	2139	6.55	8	120	-12.22	0.08	0	0.02
15174	2200	2198	5.77	12	120	8.99	0.03	0	0
15176	10018	2231	1,138.28	10	120	124.52	0.51	0.17	0.15
15178	2286	2285	31.37	24	120	2,079.10	1.47	0.01	0.39
1518	1151	1150	316.11	6	120	106.82	1.21	0.43	1.37
15180	2321	2322	5.23	20	120	0	0	0	0
15182	2322	2323	5.27	20	120	0	0	0	0
15184	2342	2352	21.67	12	120	0	0	0	0
15186	2352	2354	18.19	12	120	0	0	0	0
15188	2355	2351	18.2	12	120	0	0	0	0
1519	1116	1118	819.4	8	120	69.9	0.45	0.13	0.15
15190	2351	2344	21.54	12	120	0	0	0	0
15192	10020	2366	966.13	27	120	4,742.39	2.66	0.98	1.01
15194	2347	2346	17.47	18	120	4,227.21	5.33	0.1	5.89
15196	2467	2465	17.54	16	110	-51.44	0.08	0	0.01
15198	2441	2442	15.23	24	120	745.2	0.53	0	0.06
152	1175	1168	525.92	16	120	-3,782.60	6.04	4.47	8.51
1520	1125	1118	472.15	8	120	-65.02	0.42	0.06	0.13
15200	2442	2443	40.54	24	120	0	0	0	0
15202	2443	2444	16.66	24	120	0	0	0	0
15204	2445	2444	39.35	24	120	0	0	0	0
15206	2433	2435	11.55	20	120	0	0	0	0
15208	2435	2438	9.73	20	120	0	0	0	0
1521	1125	1130	80.1	8	120	33.47	0.21	0	0.04
15210	2427	2428	7.77	20	120	0	0	0	0
15212	2428	2429	26.85	20	120	0	0	0	0
15214	2429	2430	26.5	20	120	587.22	0.6	0	0.09
15216	2430	2431	28.46	20	120	974.89	1	0.01	0.24
15218	10022	10026	11.91	20	120	1,362.56	1.39	0.01	0.43
1522	1121	1136	630.36	8	120	12.41	0.08	0	0.01
15220	10026	2433	28.17	20	120	0	0	0	0
15222	10026	10028	42.83	20	120	1,362.56	1.39	0.02	0.43
15224	10028	10030	28.54	20	120	1,362.57	1.39	0.01	0.43
15226	10030	10032	30.1	20	120	775.33	0.79	0	0.15
15228	10032	10034	30.48	20	120	387.66	0.4	0	0.04
1523	1144	1145	81.13	8	120	8.22	0.05	0	0
15230	10034	2426	41	20	120	0	0	0	0
15232	2518	2516	2.77	12	120	0	0	0	0
15234	2517	U-1_TNK_1	2.51	12	120	0	0	0	0
15236	2547	2550	18.69	8	120	0	0	0	0
15238	2550	2552	14.51	8	120	0	0	0	0
1524	1121	1117	614.04	8	120	36.95	0.24	0.03	0.05
15240	2551	2554	19.95	8	120	0	0	0	0
15242	2554	2556	6.56	8	120	0	0	0	0
15244	10036	2382	41.87	18	120	4,974.21	6.27	0.33	7.96
15246	2609	2614	28.65	14	120	0	0	0	0
15248	2614	2616	10.39	14	120	0	0	0	0
1525	1122	1121	406.74	8	120	52.74	0.34	0.04	0.09
15250	2617	2613	10.84	14	120	0	0	0	0
15252	2613	2611	28.22	14	120	0	0	0	0
15254	367	368	16.26	6	120	30.11	0.34	0	0.13
15256	368	372	51.51	6	120	30.11	0.34	0.01	0.13
1526	1148	1154	470.09	6	120	-124.93	1.42	0.86	1.83
15260	480	478	7.38	20.1	120	0	0	0	0
15262	478	475	7.28	20.1	120	0	0	0	0
15264	475	473	5.21	20.1	120	0	0	0	0
15266	482	477	14.71	14.1	120	0	0	0	0
15268	477	474	7.5	14.1	120	0	0	0	0
1527	1155	1148	591.77	8	120	-120.93	0.77	0.25	0.42
15270	474	471	26.23	14.1	120	0	0	0	0
15272	500	504	48.83	4	120	6.83	0.17	0	0.06

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
15274	10038	561	1,061.39	12	120	92.66	0.26	0.04	0.04
15276	545	546	24.59	6	120	15.01	0.17	0	0.03
15278	10040	624	962.21	18	120	-1,297.72	1.64	0.64	0.66
1528	1142	1123	1,051.29	8	120	-85.24	0.54	0.23	0.22
15280	623	625	9.78	8	120	2.65	0.02	0	0
15282	617	616	11.96	8	120	-89.68	0.57	0	0.24
15284	659	672	194.98	12	120	-68.19	0.19	0	0.02
15286	10042	647	170.83	6	120	6.2	0.07	0	0.01
15288	618	619	58.43	10	120	-167.54	0.68	0.02	0.26
1529	1142	1144	309.19	8	120	15.3	0.1	0	0.01
15290	689	690	5.31	12	120	-311.13	0.88	0	0.33
15292	588	586	18.54	14	120	332.33	0.69	0	0.18
15294	10044	850	22.9	18	120	14.05	0.02	0	0
15296	10046	870	6.71	14	120	1,733.44	3.61	0.03	3.84
15298	10048	10050	19.2	14	120	1,063.53	2.22	0.03	1.55
153	1178	1163	554.62	24	120	158.97	0.11	0	0
1530	1156	1142	328.39	8	120	-57.7	0.37	0.04	0.11
15300	10050	875	1,375.23	14	120	1,938.48	4.04	6.5	4.73
15302	10052	8040	10.35	10	120	0	0	0	0
15304	10054	891	607.11	6	120	17.7	0.2	0.03	0.05
15306	921	920	46.51	6	120	-36.61	0.42	0.01	0.19
15308	920	919	8.64	6	120	-36.61	0.42	0	0.18
1531	1123	1122	159.76	8	120	64.57	0.41	0.02	0.13
15310	10056	1946	50.17	16	120	-357.71	0.57	0.01	0.11
15312	1750	1752	37.75	14	120	-585.9	1.22	0.02	0.52
15314	10058	950	33.77	8	120	-8.11	0.05	0	0
15316	10060	986	17.78	12	120	-147.31	0.42	0	0.08
15318	10062	10060	10.75	12	120	-147.31	0.42	0	0.09
1532	1119	1123	827.78	8	120	179.83	1.15	0.73	0.88
15320	10064	100014	47.41	12	120	-135.32	0.38	0	0.07
15322	10066	695	372.56	6	120	39.56	0.45	0.08	0.22
15324	2332	2328	60.47	18	120	4,969.92	6.27	0.48	7.95
15326	2240	2232	449.9	16	120	1,397.60	2.23	0.61	1.35
15328	1391	1385	631.18	8	120	84.44	0.54	0.14	0.22
1533	1115	1119	341.35	8	120	199.81	1.28	0.37	1.07
15330	2073	2072	27.47	8	120	4.12	0.03	0	0
15332	10076	997	17.08	6	120	-15.82	0.18	0	0.04
15334	1800	1799	17.15	6	120	8.61	0.1	0	0.01
15336	1674	1660	477.08	10	120	66.13	0.27	0.02	0.05
15338	1755	1756	27.11	4	120	-60.76	1.55	0.09	3.46
1534	1113	1115	252.2	8	120	202.79	1.29	0.28	1.1
15340	1951	1957	259.01	16	120	-374.39	0.6	0.03	0.12
15342	2159	2138	714.04	8	120	157.22	1	0.49	0.69
15344	1962	2006	1,317.55	16	120	-52.05	0.08	0	0
15346	2033	2034	319.44	6	120	-92.43	1.05	0.33	1.05
15348	1857	1893	1,116.71	6	120	-100.53	1.14	1.36	1.22
1535	14	1113	763.09	12	120	-536.03	1.52	0.71	0.93
1536	1282	1275	241.03	6	120	61.52	0.7	0.12	0.49
1537	1297	1298	71.75	6	120	83.64	0.95	0.06	0.87
1538	1288	1282	381.15	6	120	74.24	0.84	0.27	0.7
15388	10094	2613	20.98	6	120	0	0	0	0
1539	1283	1288	849.95	6	120	-5.1	0.06	0	0
15390	10096	2611	20.98	6	120	0	0	0	0
15394	10100	2551	17.38	2	120	0	0	0	0
15396	10102	2420	14.45	6	120	587.24	6.66	0.46	32.09
15398	10104	2418	13.97	6	120	387.67	4.4	0.21	14.87
154	1173	1177	137.53	18	120	-2,463.84	3.11	0.3	2.17
1540	1291	1280	892.98	8	120	-155.62	0.99	0.6	0.68
15400	10106	2419	14.4	6	120	387.66	4.4	0.21	14.87
15402	10108	2064	27.04	8	120	0	0	0	0
15404	10110	2062	26.39	8	120	0	0	0	0
15406	10112	2059	26.32	6	120	0	0	0	0
15408	10114	2054	27.62	6	120	0	0	0	0
1541	1306	1291	2,183.58	8	120	-128.03	0.82	1.03	0.47
15410	10116	2355	37.58	6	120	0	0	0	0
15412	10118	2351	37.67	6	120	0	0	0	0

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
15414	10120	2372	17.08	6	120	0	0	0	0
15416	10122	2323	9	12	120	0	0	0	0
15418	10124	2322	8.38	16	120	0	0	0	0
1542	1314	1317	165.79	6	120	4.37	0.05	0	0
15420	10126	2319	5.46	20	120	0	0	0	0
15422	10128	480	9.67	20.1	120	0	0	0	0
15428	10134	44	11.09	6	120	0	0	0	0
1543	1343	1342	344.64	6	120	-95.78	1.09	0.38	1.12
15432	10138	44	20.59	4	120	23.71	0.61	0.01	0.61
15434	142	10142	14.23	16	120	1,643.66	2.62	0.03	1.82
1544	1338	1328	1,142.50	6	120	110.75	1.26	1.67	1.46
15444	10150	1232	958.18	6	120	57.37	0.65	0.41	0.43
15448	10154	1249	9.1	6	120	363.03	4.12	0.12	13.17
1545	1315	1316	1,294.97	8	120	0	0	0	0
15450	10156	1296	558.22	8	120	86.62	0.55	0.13	0.23
15458	10164	2662	852.22	6	120	0	0	0	0
1546	1312	1315	1,834.71	8	120	291.82	1.86	3.97	2.16
15460	10168	1362	18.72	10	120	-99.25	0.41	0	0.1
15466	1365	10172	33.16	12	120	0	0	0	0
1547	1337	1329	682.58	8	120	14.25	0.09	0.01	0.01
15472	10178	1331	12.69	8	120	-4.2	0.03	0	0
15474	10180	1332	33.57	8	120	0	0	0	0
1548	1336	1337	1,078.83	8	120	139.45	0.89	0.59	0.55
15482	10188	200	19.42	2	120	-111.04	11.34	6.01	309.64
15486	10192	200	8.03	10	120	0	0	0	0
15488	10194	239	10.51	6	120	0	0	0	0
1549	1337	1338	286.42	8	120	62.25	0.4	0.04	0.12
15492	7044	10200	0.51	99	120	0	0	0	0
15496	7048	10204	0.57	99	120	747	0.03	0	0
15498	7050	10206	0.42	99	120	0	0	0	0
155	1181	1185	337.59	18	120	51.11	0.06	0	0
1550	1347	1341	1,111.70	12	120	354.15	1	0.48	0.43
15500	7052	10208	1.6	99	120	1,268.00	0.05	0	0
15502	7054	10210	0.49	99	120	6,445.00	0.27	0	0
15506	7058	10212	0.49	99	120	4,323.97	0.18	0	0
15508	7060	10214	0.54	99	120	718	0.03	0	0
1551	1344	1341	923.2	6	120	-134.41	1.53	1.93	2.09
15510	7056	10198	0.45	99	120	0	0	0	0
1552	1296	1284	3,399.58	8	120	38.23	0.24	0.17	0.05
1553	1287	10158	20.26	8	120	113.46	0.72	0.01	0.38
15532	2163	2165	558.97	8	120	461.98	2.95	2.83	5.07
15534	1697	1694	59.44	8	120	0	0	0	0
15538	100010	10064	89.98	8	120	11.99	0.08	0	0.01
1554	1287	1277	670.43	6	120	121.57	1.38	1.16	1.74
15540	100012	10062	28.58	12	120	-135.32	0.38	0	0.07
15544	100016	100000	1,487.26	12	120	763.8	2.17	2.65	1.78
15546	100018	2128	9.52	8	120	22.2	0.14	0	0.02
1555	1290	1287	1,335.95	8	120	241.74	1.54	2.04	1.53
15550	100022	2129	6.01	12	120	0	0	0	0
15552	100024	2129	9.86	8	120	0	0	0	0
15558	100030	1954	16.07	8	120	0	0	0	0
1556	1289	10160	55.99	8	120	250.72	1.6	0.09	1.63
15562	100034	1954	45.73	6	120	0	0	0	0
15566	100038	1991	57.05	8	120	34.26	0.22	0	0.04
15568	100040	1903	17.52	8	120	0	0	0	0
1557	352	339	956.28	6	120	160.21	1.82	2.77	2.9
15574	100046	1905	37.15	2	120	12.34	1.26	0.2	5.3
15576	100048	1884	19.5	6	120	0	0	0	0
1558	266	249	263.7	16	120	-437.12	0.7	0.04	0.16
15582	100054	1886	41.8	2	120	-14.97	1.53	0.32	7.57
15586	100058	1852	873.95	12	120	846.97	2.4	1.89	2.16
1559	432	430	430.97	22	120	-1,800.00	1.52	0.2	0.46
15594	100066	1715	3.49	6	120	0	0	0	0
15598	100070	1715	10.83	4	120	0	0	0	0
156	1180	1181	20.27	18	120	51.11	0.06	0	0
1560	247	244	841.64	6	120	-12.8	0.15	0.02	0.03

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15602	100074	1639	22.92	8	120	0	0	0	0
15604	100076	1640	53.05	4	120	-90.36	2.31	0.38	7.23
1561	234	229	1,185.10	6	120	-13.06	0.15	0.03	0.03
15618	100090	1673	46.05	8	120	68.98	0.44	0.01	0.15
15622	100094	1673	24.48	10	120	0	0	0	0
15626	100098	1462	13.69	10	120	0	0	0	0
15628	100100	1468	27.06	4	120	0	0	0	0
1563	1333	1330	461.66	6	120	-241.62	2.74	2.86	6.2
15632	100104	1467	12.29	10	120	-518.64	2.12	0.03	2.12
15636	100108	1467	25.23	4	120	-22.94	0.59	0.01	0.57
1564	1301	8630	847.3	14	120	-1,305.06	2.72	1.92	2.27
15640	100112	1491	12.41	6	120	-549.12	6.23	0.35	28.34
15646	100118	1216	9.65	12	120	0	0	0	0
1565	1300	1304	799.51	14	120	-927.26	1.93	0.96	1.21
15650	100122	1216	19.34	4	120	-799.43	20.41	7.92	409.54
15656	100126	1269	6.49	4	120	0	0	0	0
1566	197	209	1,148.43	8	120	54.41	0.35	0.11	0.1
15668	318	2706	44.39	12	120	20.89	0.06	0	0
1567	171	169	55.73	10	120	1.83	0.01	0	0
15670	100138	639	16.61	8	120	-17.31	0.11	0	0.01
1568	186	171	933.98	10	120	10.93	0.04	0	0
15680	100148	459	73.67	20	120	2,095.20	2.14	0.07	0.96
15682	100146	100148	23.77	20	120	0	0	0	0
15684	1960	1957	24.12	16	120	0	0	0	0
15688	2281	2282	16	20	120	5.15	0.01	0	0
1569	2303	2298	1,498.85	8	120	59.22	0.38	0.17	0.11
15690	100154	1796	2.41	24	120	0	0	0	0
15692	100156	2196	648.43	16	120	-1,202.25	1.92	0.66	1.02
15694	100158	1807	9.2	42	120	-2,613.26	0.61	0	0.04
15696	100160	1806	1,004.31	8	120	180.55	1.15	0.89	0.89
15698	663	736	1,569.95	6	120	23.48	0.27	0.13	0.08
157	1176	1180	72.8	18	120	210.09	0.26	0	0.02
1570	197	186	819.07	10	120	37.56	0.15	0.01	0.02
15700	2313	2316	5.16	27	120	0	0	0	0
15702	221	220	669.97	12	120	18.43	0.05	0	0
15704	100168	2187	31.27	12	120	131.51	0.37	0	0.07
15706	2087	2088	44.36	18	120	8.32	0.01	0	0
15708	100172	2001	2,061.21	6	120	35.1	0.4	0.36	0.17
1571	198	197	42.95	10	120	99.27	0.41	0	0.1
15714	1184	1183	14.09	24	120	4,298.00	3.05	0.02	1.49
15716	1172	1170	196.95	12.1	120	36.81	0.1	0	0.01
1572	205	198	467.84	10	120	101.61	0.42	0.05	0.1
1573	177	2684	742.25	8	120	29.22	0.19	0.02	0.03
1574	177	160	181.72	8	120	23.98	0.15	0	0.02
1575	187	178	954.9	10	120	91.04	0.37	0.08	0.08
1576	196	187	1,000.39	10	120	114.42	0.47	0.13	0.13
1577	196	190	2,302.14	8	120	48.81	0.31	0.18	0.08
1578	199	196	477.82	10	120	204.63	0.84	0.18	0.38
1579	228	227	276.49	4	120	10.51	0.27	0.04	0.13
158	1175	1176	34.79	18	120	4,862.89	6.13	0.27	7.63
1580	230	246	917.56	10	120	-400.05	1.63	1.2	1.31
1581	1348	1349	847.75	6	120	-25.55	0.29	0.08	0.1
1582	339	1349	1,883.19	6	120	130.07	1.48	3.71	1.97
1583	352	329	481.75	4	120	32.11	0.82	0.51	1.06
1584	1388	1359	1,129.94	8	120	21.65	0.14	0.02	0.02
1585	395	402	649.05	24	120	-1,804.20	1.28	0.19	0.3
1586	419	395	1,469.32	24	120	-1,801.12	1.28	0.44	0.3
1587	404	355	871.56	6	120	-13.53	0.15	0.03	0.03
1588	430	414	1,413.98	22	120	-1,800.00	1.52	0.64	0.46
1589	443	432	608.5	22	120	-1,800.00	1.52	0.28	0.46
159	1175	1174	11.02	12	120	-2,427.03	6.88	0.17	15.18
1590	243	245	246.56	6	120	0	0	0	0
1591	243	235	1,606.03	6	120	-309.91	3.52	15.78	9.83
1592	275	274	33.92	8	120	0	0	0	0
1593	275	276	35.78	6	120	39	0.44	0.01	0.21
1594	277	275	52.31	8	120	47.81	0.31	0	0.08

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
1595	294	291	51.63	6	120	11.68	0.13	0	0.02
1596	294	295	36.4	6	120	5.42	0.06	0	0.01
1597	296	294	55.66	6	120	20.15	0.23	0	0.06
1598	306	304	44.47	8	120	47.81	0.31	0	0.08
1599	306	308	51.01	6	120	28	0.32	0.01	0.11
16	1109	1105	1,202.62	12	120	-588.61	1.67	1.32	1.1
160	1182	1176	572.39	24	120	-4,652.80	3.3	0.99	1.73
1600	307	306	46.02	8	120	75.8	0.48	0.01	0.18
1601	347	2726	114.44	20	120	250.55	0.26	0	0.02
1602	346	347	31.29	20	120	250.55	0.26	0	0.02
1603	356	344	257.44	6	120	-37.41	0.42	0.05	0.2
1604	369	356	426.51	6	120	-37.41	0.42	0.08	0.2
1605	340	367	740.23	6	120	30.11	0.34	0.1	0.13
1606	257	246	1,179.92	14	120	-151.28	0.32	0.05	0.04
1607	271	257	640.51	14	120	315.16	0.66	0.1	0.16
1608	273	271	86.5	20	120	-2.74	0	0	0
1609	315	342	319.14	14	120	-317.9	0.66	0.05	0.17
161	486	461	445.07	22	120	-1,800.00	1.52	0.2	0.46
1610	292	271	1,300.68	14	120	317.9	0.66	0.22	0.17
1611	179	174	348.34	12	120	1,152.67	3.27	1.33	3.82
1613	179	1354	901.68	16	120	437.21	0.7	0.14	0.16
1617	423	434	947.68	6	120	10.1	0.11	0.02	0.02
1618	417	418	62.09	12	120	0	0	0	0
1619	396	405	254.54	8	120	0	0	0	0
162	1210	2666	1,296.30	14	120	-1,158.76	2.42	2.36	1.82
1620	396	375	192.68	8	120	-2.46	0.02	0	0
1621	400	396	455.23	8	120	-2.46	0.02	0	0
1622	400	381	324.47	8	120	0	0	0	0
1623	366	400	305.66	8	120	4.23	0.03	0	0
1624	366	362	243.37	8	120	0	0	0	0
1625	360	366	319.67	8	120	4.23	0.03	0	0
1627	326	327	33.96	14	120	0	0	0	0
1628	281	266	247.45	26	120	-429.88	0.26	0	0.01
1629	281	280	225.15	8	120	8.8	0.06	0	0
163	1173	1172	8.65	12	120	704.66	2	0.01	1.54
1630	284	281	120.74	14	120	-421.08	0.88	0.03	0.28
1631	289	284	275.11	14	120	-421.08	0.88	0.08	0.28
1632	328	289	790.86	14	120	-334.93	0.7	0.14	0.18
1633	303	283	592.03	8	120	3.36	0.02	0	0
1634	350	303	653.36	8	120	-23.4	0.15	0.01	0.02
1635	379	343	999.16	8	120	-9.9	0.06	0	0
1637	226	217	153.42	12	120	46	0.13	0	0.01
1638	232	233	288.79	8	120	8.18	0.05	0	0
1639	288	270	666.08	8	120	25.25	0.16	0.02	0.02
164	544	486	1,911.16	22	120	-1,778.62	1.5	0.85	0.45
1640	415	358	1,233.43	14	120	5.5	0.01	0	0
1642	446	435	195.11	14	120	773.75	1.61	0.17	0.86
1643	445	439	125.56	8	120	0	0	0	0
1644	302	301	232.28	12	120	-206.02	0.58	0.04	0.16
1645	212	211	87.07	16	120	-117.23	0.19	0	0.01
1646	224	222	333.16	12	120	0	0	0	0
1647	254	253	488.41	6	120	14.37	0.16	0.02	0.03
1648	20006	20007	1,694.23	8	120	-32.37	0.21	0.06	0.04
165	542	2642	487.72	8	120	31.17	0.2	0.02	0.03
1650	256	224	1,381.77	12	120	-417.33	1.18	0.81	0.58
1651	378	380	84.46	36	120	-2,615.54	0.82	0.01	0.08
1652	376	378	30.44	24	120	-2,615.54	1.85	0.02	0.6
1653	438	447	197.29	12	120	833.08	2.36	0.41	2.1
1654	376	MORRO_RES	321.57	36	120	2,615.54	0.82	0.03	0.08
1655	321	322	55.3	12	120	12.96	0.04	0	0
1656	380	321	1,235.07	12	120	-401.01	1.14	0.67	0.54
1657	316	313	245	10	120	87.79	0.36	0.02	0.08
1658	313	314	175.32	12	120	108.96	0.31	0.01	0.05
1659	314	317	443.77	12	120	47.4	0.13	0	0.01
166	559	542	622.79	8	120	104.67	0.67	0.2	0.32
1660	317	293	389.51	8	120	35.18	0.22	0.02	0.04

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
1661	317	319	897.36	12	120	10.1	0.03	0	0
1662	316	285	665.6	6	120	39.32	0.45	0.14	0.21
1663	20006	313	362.81	10	120	25.06	0.1	0	0.01
1664	433	429	384.36	6	120	7.79	0.09	0	0.01
1665	433	8648	1,154.05	10	120	0	0	0	0
1667	311	1560	291	10	120	223.5	0.91	0.13	0.45
1668	301	357	853.39	14	120	-404.35	0.84	0.22	0.26
1669	357	8654	2,021.15	14	120	-433.89	0.9	0.6	0.3
167	43	10136	20.03	4	120	23.71	0.61	0.01	0.61
1670	301	282	607.98	12	120	192.23	0.55	0.08	0.14
1671	311	278	867.97	6	120	-23.77	0.27	0.07	0.08
1672	357	364	326.01	6	120	6.93	0.08	0	0.01
1673	282	288	517.77	8	120	47.02	0.3	0.04	0.07
1674	311	302	562.38	10	120	-202.12	0.83	0.21	0.37
1675	328	327	41.31	14	120	0	0	0	0
1677	417	423	469.05	6	120	10.1	0.11	0.01	0.02
168	44	45	355.57	6	120	20.73	0.24	0.02	0.07
1680	360	375	370.57	12	120	12.57	0.04	0	0
1681	375	417	465.79	12	120	10.1	0.03	0	0
1682	315	312	54.92	14	120	317.9	0.66	0.01	0.17
1683	268	251	300.41	6	120	-6.16	0.07	0	0.01
1684	251	215	1,316.98	6	120	-15.53	0.18	0.05	0.04
1685	350	379	668.39	8	120	4.47	0.03	0	0
1686	343	298	655.05	8	120	-27.85	0.18	0.02	0.03
1687	298	303	188.98	8	120	36.15	0.23	0.01	0.05
1688	298	289	400.42	8	120	-73.68	0.47	0.07	0.17
1689	297	273	701.5	12	120	-1.29	0	0	0
169	43	10132	11.12	6	120	0	0	0	0
1690	286	290	463.67	6	120	9.96	0.11	0.01	0.02
1691	341	351	229.64	8	120	18.89	0.12	0	0.01
1692	331	323	284.43	8.1	120	10.7	0.07	0	0
1693	331	310	373.33	8.1	120	10.18	0.06	0	0
1694	374	398	303.68	6	120	29.3	0.33	0.04	0.12
1695	372	377	441.73	6	120	0.81	0.01	0	0
1696	377	399	322.92	8	120	9.14	0.06	0	0
1697	402	1389	307.78	24	120	-1,804.20	1.28	0.09	0.3
1698	346	344	157.31	20	120	-328.44	0.34	0	0.03
1699	341	344	229.21	20	120	365.85	0.37	0.01	0.04
17	1105	1103	17.97	12	120	-229.1	0.65	0	0.19
170	42	43	43.13	6	120	23.71	0.27	0	0.08
1700	359	355	1,784.10	6	120	235.86	2.68	10.57	5.93
1701	355	352	83.2	6	120	214.86	2.44	0.41	4.99
1702	404	413	78.38	6	120	7.94	0.09	0	0.01
1703	413	419	117.63	4	120	0	0	0	0
1704	304	277	909.5	8	120	47.81	0.31	0.07	0.08
1705	1389	1369	354.32	8	120	7.39	0.05	0	0
1706	369	397	295.65	6	120	10.09	0.11	0.01	0.02
1707	377	369	253.91	6	120	-17.38	0.2	0.01	0.05
1709	361	373	385.88	4	120	5.33	0.14	0.01	0.04
171	61	42	906.98	10	120	127.65	0.52	0.14	0.16
1710	361	359	51.36	4	120	243.77	6.22	2.33	45.4
1712	404	403	573.81	4	120	3.32	0.08	0.01	0.02
1713	413	406	907.5	4	120	7.94	0.2	0.07	0.08
1714	276	291	674.2	6	120	-11.68	0.13	0.02	0.02
1715	295	299	349.4	6	120	5.42	0.06	0	0.01
1716	296	308	587.24	6	120	-25.91	0.29	0.06	0.1
1717	352	349	404.18	6	120	11.69	0.13	0.01	0.02
1718	1388	1387	976.86	24	120	-1,842.48	1.31	0.3	0.31
1719	1350	1348	356.02	6	120	-18.72	0.21	0.02	0.05
172	42	33	855.25	10	120	103.94	0.42	0.09	0.11
1720	1377	1381	110.59	8	120	2.44	0.02	0	0
1721	1381	1390	213.51	8	120	49.69	0.32	0.02	0.08
1722	1381	1393	892.56	8	120	-47.25	0.3	0.07	0.07
1723	1351	1355	312.98	6	120	8.44	0.1	0	0.01
1724	1350	1345	617.45	6	120	16.15	0.18	0.03	0.04
1725	1378	1372	184.39	8	120	24.9	0.16	0	0.02

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
1726	1372	1357	617.67	8	120	8.82	0.06	0	0
1727	1394	1391	262.05	8	120	93.51	0.6	0.07	0.26
1728	1385	10184	1,838.05	8	120	40.84	0.26	0.1	0.06
1729	1382	1378	2,338.18	24	120	-1,840.00	1.3	0.73	0.31
173	587	559	1,141.45	8	120	129.91	0.83	0.55	0.48
1730	1378	1377	391.76	24	120	-1,864.90	1.32	0.12	0.32
1731	1376	1377	417.96	24	120	1,867.33	1.32	0.13	0.32
1732	1403	1404	55.95	10	120	-333.26	1.36	0.05	0.93
1733	1318	1319	728.43	6	120	12.46	0.14	0.02	0.03
1734	1311	1312	971.45	8	120	324.62	2.07	2.56	2.64
1735	123	120	634.41	16	120	-1,643.74	2.62	1.15	1.82
1736	120	8528	103.34	16	120	-1,656.13	2.64	0.19	1.84
1737	1240	1242	258.85	6	120	-47.36	0.54	0.08	0.3
1738	1230	1237	995.34	10	120	108.02	0.44	0.12	0.12
1739	1250	1248	187.37	6	120	9.26	0.11	0	0.01
174	640	587	1,011.18	8	120	155.9	1	0.69	0.68
1740	1208	1209	220.62	6	120	37.65	0.43	0.04	0.2
1741	1208	1207	253.69	12	120	-934.69	2.65	0.66	2.59
1742	1212	1208	557.88	12	120	-845.76	2.4	1.2	2.16
1743	1213	1212	300.79	12	120	-812.65	2.31	0.6	2
1744	1219	55	1,433.00	6	120	24.28	0.28	0.13	0.09
1745	1219	1218	14.66	12	120	-449.4	1.27	0.01	0.67
1746	1224	1218	884.59	10	120	-350.04	1.43	0.9	1.02
1747	96	1224	1,223.15	6	120	-35.64	0.4	0.22	0.18
1748	110	112	61.36	8	120	3.74	0.02	0	0
1749	616	622	1,011.78	8	120	-62.18	0.4	0.13	0.12
175	1199	1171	1,879.44	8	120	519.4	3.32	11.83	6.3
1750	636	621	336.22	8	120	-64.52	0.41	0.04	0.13
1751	125	110	1,914.67	6	120	6.13	0.07	0.01	0.01
1752	79	1219	1,338.87	12	120	-425.12	1.21	0.81	0.6
1753	1187	1189	920.97	16	120	-2,465.93	3.93	3.55	3.85
1754	34	1187	1,512.96	16	120	-2,465.93	3.93	5.83	3.85
1755	30	34	1,231.81	16	120	-2,465.93	3.93	4.74	3.85
1756	23	1156	2,363.34	8	120	-174.07	1.11	1.96	0.83
1757	22	24	205.02	12	120	650.13	1.84	0.27	1.32
1758	30	24	1,132.60	12	120	-819.58	2.32	2.3	2.03
1759	59	32	1,998.53	12	120	-3,003.81	8.52	45.04	22.54
176	1200	1199	648.64	18	120	-3,481.21	4.39	2.67	4.11
1760	38	32	3,422.08	8	120	-214.38	1.37	4.18	1.22
1761	37	38	836.14	8	120	-39.78	0.25	0.05	0.05
1762	40	37	523.43	6	120	-8.18	0.09	0.01	0.01
1763	10021	48	699.74	12	120	526.71	1.49	0.63	0.9
1764	48	49	616.72	12	120	518.55	1.47	0.54	0.87
1765	54	49	255.38	12	120	-494.87	1.4	0.2	0.8
1766	66	54	1,788.50	12	120	-451.16	1.28	1.2	0.67
1767	48	64	1,173.76	8	120	4.93	0.03	0	0
1768	54	63	579.08	8	120	40.06	0.26	0.03	0.05
1769	36	18	2,125.08	8	120	0	0	0	0
177	1199	1198	28.34	18	120	-4,005.14	5.05	0.15	5.33
1770	52	67	1,811.82	12	120	-577.63	1.64	1.93	1.06
1771	65	10019	2,211.01	16	120	-3,003.73	4.79	12.27	5.55
1772	116	91	1,504.51	12	120	138.33	0.39	0.11	0.08
1773	151	129	778.13	8	120	9.55	0.06	0	0
1774	160	151	537.22	8	120	18.94	0.12	0.01	0.01
1775	89	83	644.9	6	120	71.42	0.81	0.42	0.65
1776	97	89	1,300.37	8	120	129.17	0.82	0.62	0.48
1777	114	97	209.99	14	120	-1,478.18	3.08	0.6	2.86
1778	136	137	18.19	16	120	1,643.66	2.62	0.03	1.82
1779	169	158	30.58	10	120	0	0	0	0
178	1198	1195	648.29	18	120	-4,030.62	5.08	3.5	5.39
1780	133	127	337.54	10	120	0.08	0	0	0
1781	162	141	1,123.45	8	120	64.44	0.41	0.15	0.13
1782	135	70	3,202.44	12	120	710.1	2.01	4.99	1.56
1783	144	135	319.4	12	120	1,152.67	3.27	1.22	3.82
1784	174	144	1,839.18	12	120	1,152.67	3.27	7.03	3.82
1785	155	138	1,110.46	6	120	-371.35	4.21	15.25	13.74

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1786	170	155	191.5	6	120	-367.95	4.18	2.59	13.5
1787	73	8604	531.5	10	120	-424.61	1.73	0.78	1.46
1788	75	74	31.36	10	120	0	0	0	0
1789	75	73	41.42	10	120	0	0	0	0
179	1198	1211	1,030.22	8	120	7.75	0.05	0	0
1790	73	62	890.92	8	120	424.52	2.71	3.86	4.33
1791	62	57	137.58	8	120	424.52	2.71	0.6	4.33
1792	57	1016	1,786.93	8	120	424.52	2.71	7.74	4.33
1793	25	21	458.54	8	120	1.19	0.01	0	0
1794	1252	1247	1,139.73	6	120	-221.37	2.51	6.01	5.27
1795	1262	1281	594.65	14	120	1,111.28	2.32	1	1.69
1796	1259	1262	327.9	14	120	1,111.28	2.32	0.55	1.69
1797	1253	1259	134.79	14	120	1,114.01	2.32	0.23	1.69
1798	1234	1253	1,890.69	14	120	1,114.01	2.32	3.2	1.69
1799	1210	1234	2,194.84	14	120	1,121.76	2.34	3.77	1.72
18	1097	1100	1,237.62	8	120	-12.14	0.08	0.01	0.01
180	671	640	705.39	18	120	-96.12	0.12	0	0.01
1800	1163	1158	491.1	12	120	130.4	0.37	0.03	0.07
1801	1177	1183	383.29	24	120	-2,463.84	1.75	0.2	0.53
1802	1188	1182	894.99	20	120	-4,652.80	4.75	3.77	4.21
1803	1215	1205	886.61	16	120	-1,711.78	2.73	1.74	1.96
1804	1222	10039	455.95	16	120	-1,660.86	2.65	0.84	1.85
1805	1274	1275	183.1	6	120	-61.52	0.7	0.09	0.49
1806	1261	1274	783.86	6	120	-54.74	0.62	0.31	0.4
1807	1260	1261	793.44	6	120	-45.58	0.52	0.22	0.28
1808	1271	1260	793.11	6	120	-15.4	0.17	0.03	0.04
1809	1279	1272	251.27	6	120	-10.59	0.12	0	0.02
181	678	671	355.91	18	120	-96.12	0.12	0	0.01
1810	1229	1222	1,462.48	14	120	-1,657.83	3.46	5.17	3.54
1811	1263	8592	554.72	14	120	-1,653.56	3.45	1.95	3.52
1812	1159	1152	157.8	6	120	-26.58	0.3	0.02	0.1
1813	1221	1226	1,354.35	8	120	18.44	0.12	0.02	0.01
1814	1223	1221	1,359.14	8	120	-13.46	0.09	0.01	0.01
1815	1167	1157	1,122.34	6	120	218.36	2.48	5.77	5.14
1816	1167	1161	350.22	6	120	225.07	2.55	1.9	5.43
1817	1171	1186	559.34	8	120	41.33	0.26	0.03	0.06
1818	1197	1192	1,556.93	20	120	-4,252.89	4.34	5.55	3.56
1819	1195	1197	28.63	18	120	-4,205.06	5.3	0.17	5.83
182	1217	100120	18.68	4	120	-799.43	20.41	7.65	409.54
1820	1192	1188	2,014.65	20	120	-4,490.97	4.59	7.94	3.94
1821	1202	1200	661.01	18	120	-3,450.87	4.35	2.67	4.04
1822	1190	1189	696.58	16	120	2,465.93	3.93	2.68	3.85
1823	1201	1190	674.85	16	120	2,475.95	3.95	2.62	3.88
1824	1206	1204	775.91	12	120	-961.52	2.73	2.12	2.73
1825	1207	1206	239.89	12	120	-938.1	2.66	0.63	2.61
1826	1204	1203	32.14	12	120	-973	2.76	0.09	2.79
1827	1203	1201	222.03	12	120	-974.92	2.77	0.62	2.8
1828	1209	1220	1,019.73	6	120	29.29	0.33	0.13	0.12
1829	870	867	422.58	14	120	1,731.64	3.61	1.62	3.84
183	1216	1213	140.54	12	120	-799.43	2.27	0.27	1.94
1830	872	10046	361.27	14	120	1,749.89	3.65	1.41	3.91
1831	868	873	502.61	8	120	11.47	0.07	0	0.01
1832	872	868	714.6	8	120	30.21	0.19	0.02	0.03
1833	874	872	830.4	14	120	1,795.40	3.74	3.41	4.1
1834	874	855	2,715.93	8	120	70.55	0.45	0.42	0.16
1835	869	855	1,664.00	8	120	-71.86	0.46	0.27	0.16
1836	855	853	515.5	6	120	-38.93	0.44	0.11	0.21
1837	1582	853	672.15	6	120	90.52	1.03	0.68	1.01
1838	1582	1580	301.86	6	120	5.92	0.07	0	0.01
1839	875	879	534.98	8	120	2.34	0.01	0	0
184	1217	100116	9.19	12	120	0	0	0	0
1840	875	874	557.84	14	120	1,909.63	3.98	2.56	4.6
1841	1726	878	1,876.47	16	120	2,167.78	3.46	5.69	3.03
1842	1632	1619	347.13	6	120	1.07	0.01	0	0
1843	1634	1632	220.27	6	120	-10.09	0.11	0	0.02
1844	802	1502	764.66	8	120	-64.17	0.41	0.1	0.13

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
1845	1521	802	869.37	8	120	-12.57	0.08	0.01	0.01
1846	830	827	90.88	6	120	-25.48	0.29	0.01	0.1
1847	827	819	699.14	6	120	-49.38	0.56	0.23	0.33
1848	775	767	447.38	8	120	43.37	0.28	0.03	0.06
1849	795	781	526.69	6	120	-23.91	0.27	0.04	0.09
185	1218	1217	41.6	12	120	-799.43	2.27	0.08	1.94
1852	807	775	1,150.51	8	120	170.21	1.09	0.92	0.8
1853	785	787	201.57	6	120	-92.82	1.05	0.21	1.05
1854	787	786	152.8	6	120	-95.41	1.08	0.17	1.11
1855	784	786	124.04	6	120	110.93	1.26	0.18	1.47
1856	776	774	135.95	8	120	-149.33	0.95	0.09	0.63
1857	775	774	99.67	8	120	119.85	0.76	0.04	0.42
1858	774	743	897.3	6	120	-34.96	0.4	0.15	0.17
1859	1464	1466	36.78	8	120	21.28	0.14	0	0.02
186	685	678	984.59	18	120	46.88	0.06	0	0
1860	1464	1457	53.42	8	120	9.72	0.06	0	0
1861	1451	1456	316.47	16	120	541.59	0.86	0.07	0.23
1862	1487	1456	1,413.03	16	120	-541.59	0.86	0.33	0.23
1863	1557	1535	911.33	8	120	-42.09	0.27	0.05	0.06
1864	1557	1558	39.7	8	120	1.92	0.01	0	0
1865	1556	1557	183.07	8	120	-40.17	0.26	0.01	0.06
1866	1556	1565	356.82	8	120	9.05	0.06	0	0
1867	1548	1556	539.54	8	120	-23.82	0.15	0.01	0.02
1868	1548	1549	430.51	8	120	12.71	0.08	0	0.01
1869	1542	1548	192.41	8	120	0.03	0	0	0
187	56	8632	2,501.42	12	120	-423.34	1.2	1.5	0.6
1870	1542	1540	657.91	8	120	13.38	0.09	0	0.01
1871	1533	1542	288.66	8	120	21.85	0.14	0.01	0.02
1872	1531	1517	627.44	8	120	15.98	0.1	0.01	0.01
1873	1533	1531	86.08	8	120	25.99	0.17	0	0.02
1874	1526	1533	420.03	8	120	51.52	0.33	0.04	0.09
1875	1454	1452	63.9	12	120	-91.54	0.26	0	0.04
1876	1454	1444	934.23	8	120	12.42	0.08	0.01	0.01
1877	1464	1454	240.55	8	120	-45.13	0.29	0.02	0.07
1878	1480	1464	694.63	8	120	-8.15	0.05	0	0
1879	1499	1454	1,280.57	12	120	-18.96	0.05	0	0
188	71	56	1,016.32	8	120	-423.34	2.7	4.38	4.31
1880	1498	1480	498.37	8	120	20.6	0.13	0.01	0.02
1881	1497	1482	438.48	8	120	11.49	0.07	0	0.01
1882	1498	1499	251.82	8	120	-29.89	0.19	0.01	0.03
1883	1497	1498	248.46	8	120	-30.77	0.2	0.01	0.03
1884	1513	1497	349.86	8	120	-11.2	0.07	0	0.01
1885	1523	1498	837.57	8	120	33.5	0.21	0.03	0.04
1886	1525	1499	788.54	12	120	30.53	0.09	0	0
1887	1526	1525	122.12	12	120	46.08	0.13	0	0.01
1888	1535	1526	707.36	12	120	108.9	0.31	0.03	0.05
1889	1524	1535	526.97	12	120	161.11	0.46	0.05	0.1
189	1860	1861	33.06	8	120	-258.21	1.65	0.06	1.72
1890	1520	1523	610.01	8	120	41.19	0.26	0.04	0.06
1891	1516	1506	229.94	8	120	3.13	0.02	0	0
1892	1439	1433	673.36	8	120	0	0	0	0
1893	1441	1439	796.61	8	120	0	0	0	0
1894	1654	1659	78.9	8	120	111.23	0.71	0.03	0.36
1895	1731	10002	504.25	6	120	-80.76	0.92	0.41	0.81
1896	1522	1564	3,013.68	12	120	-630.05	1.79	3.77	1.25
1897	1530	1503	1,260.56	8	120	53.89	0.34	0.12	0.09
1898	1538	1537	566.37	6	120	35.27	0.4	0.1	0.18
1899	1539	1538	183.1	6	120	36.24	0.41	0.03	0.18
19	1101	1082	2,052.54	12	120	-712.79	2.02	3.22	1.57
190	1860	1760	3,632.79	8	120	293.38	1.87	7.94	2.19
1900	1541	1539	188.18	6	120	36.41	0.41	0.04	0.19
1901	1587	1588	305.8	8	120	9.49	0.06	0	0
1902	1585	1587	28.79	6	120	9.49	0.11	0	0.01
1903	1583	1581	319.68	6	120	9.43	0.11	0	0.02
1904	1590	1583	196.32	6	120	19.72	0.22	0.01	0.06
1905	1590	1592	372.58	10	120	-72.13	0.29	0.02	0.05

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1906	1576	1584	535.37	10	120	-39.27	0.16	0.01	0.02
1907	1584	1589	235	10	120	-50.26	0.21	0.01	0.03
1908	1544	2166	172.28	18	120	541.59	0.68	0.02	0.13
1909	1483	1478	245.17	18	120	541.59	0.68	0.03	0.13
191	1865	1868	98.99	6	120	0	0	0	0
1910	1602	1544	2,862.84	18	120	541.59	0.68	0.38	0.13
1911	1658	1655	15.27	12	120	0	0	0	0
1912	1664	1656	608.17	12	120	543.36	1.54	0.58	0.95
1913	1676	1684	131.36	8	120	18.99	0.12	0	0.01
1914	1675	1663	107.43	6	120	0.85	0.01	0	0
1915	1693	1690	149.03	6	120	0.77	0.01	0	0
1916	1720	1712	279.6	6	120	-2.69	0.03	0	0
1917	1705	1700	229.06	6	120	0.91	0.01	0	0
1918	1687	1696	493.14	8	120	5.4	0.03	0	0
1919	1662	1653	876.72	8	120	41.05	0.26	0.05	0.06
192	1865	1894	1,177.42	6	120	-95.16	1.08	1.3	1.1
1920	1668	1692	516.47	8	120	59.12	0.38	0.06	0.11
1921	1662	1668	78.14	8	120	70.17	0.45	0.01	0.15
1922	1659	1662	75.37	8	120	111.23	0.71	0.03	0.36
1923	1706	1648	1,549.88	18	120	2,546.62	3.21	3.57	2.3
1924	1704	8616	1,955.79	8	120	275.63	1.76	3.81	1.95
1925	1626	1637	504.78	6	120	16.52	0.19	0.02	0.04
1926	1626	1601	1,044.11	6	120	-41.02	0.47	0.24	0.23
1927	1555	1547	1,826.06	6	120	64.28	0.73	0.97	0.53
1928	1493	1477	756.68	8	120	2.31	0.01	0	0
1929	1561	1555	149.12	12	120	95.42	0.27	0.01	0.04
193	623	622	24.29	8	120	61.15	0.39	0	0.12
1930	1564	1567	890.11	12	120	50.69	0.14	0.01	0.01
1931	1613	1564	2,573.54	12	120	691.62	1.96	3.82	1.48
1932	1573	1575	384.74	6	120	9.53	0.11	0.01	0.02
1933	1568	1559	466.15	18	120	1,842.92	2.32	0.59	1.27
1934	1625	1652	1,109.13	6	120	30.89	0.35	0.15	0.14
1935	1708	1703	326.6	6	120	16.17	0.18	0.01	0.04
1936	1708	1707	30.55	18	120	12.81	0.02	0	0
1937	1730	1708	656.13	18	120	54.87	0.07	0	0
1938	1728	1682	1,412.46	8	120	13.8	0.09	0.01	0.01
1939	1408	1399	931.81	6	120	54.33	0.62	0.36	0.39
194	621	614	215.38	6	120	25.16	0.29	0.02	0.09
1940	1473	1477	527.3	8	120	-0.28	0	0	0
1941	1449	1476	1,063.99	8	120	-50.39	0.32	0.09	0.08
1942	1442	1449	979.76	6	120	-25.41	0.29	0.09	0.1
1943	1434	1442	838.6	6	120	-0.08	0	0	0
1944	1455	1474	975.64	10	120	-239.44	0.98	0.49	0.51
1945	1447	1455	625.61	10	120	-67.34	0.28	0.03	0.05
1946	551	573	1,039.36	8	120	-99.5	0.64	0.31	0.3
1948	1423	1424	177.5	8	120	0	0	0	0
1949	596	609	1,065.11	18	120	-1,318.11	1.66	0.72	0.68
1951	571	598	1,272.44	8	120	-9.52	0.06	0	0
1952	560	571	604.6	8	120	-3.96	0.03	0	0
1953	1984	1975	1,584.86	16	120	-339.92	0.54	0.16	0.1
1954	1997	1999	41.92	12	120	-667.64	1.89	0.06	1.39
1955	1999	2023	1,898.15	16	120	613.23	0.98	0.56	0.29
1956	2001	1997	362.23	6	120	-174.41	1.98	1.23	3.39
1957	1996	1999	347.01	16	120	1,280.87	2.04	0.4	1.15
1960	1990	1997	604.2	12	120	-493.23	1.4	0.48	0.79
1961	2003	1978	1,188.14	6	120	69.22	0.79	0.73	0.61
1962	2015	2003	460.49	8	120	89.87	0.57	0.11	0.24
1963	2017	1971	1,710.28	20	120	1,303.91	1.33	0.68	0.4
1964	2019	2017	41.34	4	120	0	0	0	0
1965	2015	2013	216.55	12	120	-126.7	0.36	0.01	0.06
1966	2022	2015	790.87	12	120	-36.83	0.1	0.01	0.01
1967	2018	100174	297.64	20	120	-698.98	0.71	0.04	0.13
1968	2023	2018	1,380.18	16	120	604.94	0.97	0.39	0.29
1969	2013	10014	1.61	20	120	-126.7	0.13	0	0
1970	2005	10014	145.05	20	120	1,268.00	1.29	0.05	0.38
1971	2066	2065	20.56	8	120	0	0	0	0

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1972	2060	2061	21.52	8	120	0	0	0	0
1973	2057	2058	21.99	8	120	0	0	0	0
1974	2053	2055	21.24	8	120	0	0	0	0
1975	2067	2692	16.46	20	120	0	0	0	0
1976	2069	2694	33.36	27	120	0	0	0	0
1977	2067	8682	48.79	20	120	0	0	0	0
1978	2069	2087	1,769.33	18	120	-156.08	0.2	0.02	0.01
1979	2070	2069	73.64	8	120	-156.07	1	0.05	0.68
198	821	837	574.94	8	120	14.22	0.09	0	0.01
1980	2089	2070	661.24	8	120	-156.07	1	0.45	0.68
1981	2311	2315	7.76	16	120	0	0	0	0
1982	2031	2050	960.74	24	120	-3,354.19	2.38	0.91	0.94
1984	1995	2031	2,793.73	12	120	-1,901.75	5.39	27.01	9.67
1985	10058	951	4.62	4	120	8.11	0.21	0	0.08
1986	950	2412	1,080.76	8	120	-225.66	1.44	1.45	1.34
1987	954	8046	697.94	8	120	0	0	0	0
1988	950	948	980.79	8	120	205.79	1.31	1.11	1.13
1989	2098	2096	67.64	10	120	288.15	1.18	0.05	0.71
199	1534	821	676.95	8	120	137.73	0.88	0.36	0.54
1990	2095	2091	21.15	12	120	1,374.56	3.9	0.11	5.3
1991	2095	2099	3,120.90	16	120	-1,706.90	2.72	6.08	1.95
1992	2107	2098	733.85	12	120	-44.19	0.13	0.01	0.01
1993	2096	2102	473.81	16	120	-1,714.26	2.74	0.93	1.96
1994	2076	2091	665.9	24	120	-3,374.85	2.39	0.64	0.96
1995	2016	1984	1,085.44	8	120	-106.56	0.68	0.36	0.34
1996	2162	2146	1,522.22	8	120	-174.64	1.11	1.27	0.84
1997	10016	10052	1,558.99	8	120	-89.69	0.57	0.38	0.24
1998	2162	2163	24.98	8	120	469.25	3	0.13	5.22
1999	2183	10052	590.33	10	120	89.69	0.37	0.05	0.08
2	1110	1097	2,179.91	8	120	0	0	0	0
20	1077	1085	522.79	8	120	495.81	3.16	3.02	5.78
200	1534	1528	525.81	8	120	-107.05	0.68	0.18	0.34
2000	2182	2162	613.99	8	120	348.34	2.22	1.84	3
20000	20003	8654	808.58	8	120	-0.2	0	0	0
20001	8654	20002	159.78	8	120	212.59	1.36	0.19	1.2
20002	20001	20002	852.83	8	120	-3.09	0.02	0	0
20003	20008	20004	798.56	8	120	-200.12	1.28	0.86	1.08
20004	20002	1500	1,087.14	8	120	198.37	1.27	1.15	1.06
20005	20004	20007	910.07	8	120	39.89	0.25	0.05	0.05
20006	20013	20008	1,389.15	8	120	-168.45	1.08	1.09	0.78
20007	20009	8648	608.32	8	120	-9.62	0.06	0	0
20008	20008	8652	509.72	8	120	16.72	0.11	0.01	0.01
20009	20011	20013	280.92	8	120	-146.02	0.93	0.17	0.6
2001	2126	100020	2.61	8	120	22.2	0.14	0	0.02
20010	20006	20011	1,298.72	10	120	0	0	0	0
20011	8648	20013	505.42	8	120	-14.76	0.09	0	0.01
2002	2125	100026	9.02	8	120	0	0	0	0
2003	2129	2152	990.58	12	120	-13.28	0.04	0	0
2004	2107	2125	1,278.22	12	120	26.72	0.08	0	0
2005	1008	1010	929.64	8	120	-64.99	0.41	0.12	0.13
2006	1009	1007	604.32	8	120	1.93	0.01	0	0
2008	2481	2458	1,015.80	12	120	-382.6	1.09	0.5	0.5
2009	10062	100008	84.62	8	120	11.99	0.08	0	0.01
201	1553	1546	740.19	8	120	55.84	0.36	0.07	0.1
2010	2204	8044	882.54	6	120	0	0	0	0
2011	2204	2191	2,354.55	16	120	893.73	1.43	1.38	0.59
2012	2227	2204	1,177.28	16	120	895.7	1.43	0.7	0.59
2014	2240	2242	139.1	16	120	6.14	0.01	0	0
2015	2243	2240	369.54	16	120	1,403.74	2.24	0.5	1.36
2016	1011	1017	683.64	4	120	-12.75	0.33	0.13	0.19
2017	1022	1024	84.2	6	120	0	0	0	0
2019	1021	1022	543.23	6	120	14.9	0.17	0.02	0.04
202	1546	1534	220.85	8	120	42.81	0.27	0.01	0.06
2020	1022	1023	261.95	8	120	13.77	0.09	0	0.01
2022	2041	2046	366.26	8	120	23.74	0.15	0.01	0.02
2023	2197	1019	1,850.23	4	120	119.56	3.05	22.45	12.13

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2024	2198	2192	189.59	12	120	7	0.02	0	0
2025	2319	2314	14.9	6	120	0	0	0	0
2026	2317	2313	8.09	14	120	0	0	0	0
2027	2318	2316	7.79	10	120	0	0	0	0
2028	2311	2313	5.81	27	120	0	0	0	0
2029	2311	2314	30.24	27	120	0	0	0	0
203	1546	1551	539.06	8	120	5.92	0.04	0	0
2030	2323	2325	21.39	20	120	0	0	0	0
2031	2320	2314	13.09	27	120	0	0	0	0
2032	2326	2324	6.55	14	120	-1,241.11	2.59	0.01	2.07
2033	2333	2324	452.31	20	120	1,241.11	1.27	0.16	0.36
2034	2206	2200	438.65	12	120	99.51	0.28	0.02	0.04
2035	2291	2320	1,517.08	20	120	0	0	0	0
2036	2326	2301	721.22	14	120	1,241.11	2.59	1.49	2.07
2037	2180	2197	1,019.04	4	120	32.36	0.83	1.1	1.08
2038	1005	1008	606.87	8	120	-61.28	0.39	0.07	0.12
2039	996	1000	216.12	4	120	5.85	0.15	0.01	0.05
204	1502	1509	129.8	18	120	-1,520.76	1.92	0.12	0.89
2040	2484	2457	1,019.63	8	120	-282.99	1.81	2.09	2.05
2041	2342	2343	19.28	8	120	0	0	0	0
2042	2352	2350	18.48	8	120	0	0	0	0
2043	2354	2356	19.63	8	120	0	0	0	0
2044	10036	2342	30.37	12	120	0	0	0	0
2045	996	10076	317.74	6	120	-13.93	0.16	0.01	0.03
2046	2340	2332	1,479.05	18	120	4,971.88	6.27	11.76	7.95
2047	2346	10036	287.8	18	120	4,974.21	6.27	2.29	7.96
2048	2463	2355	2,387.45	12	120	0	0	0	0
205	1528	1509	665.71	18	120	1,419.97	1.79	0.52	0.78
2051	981	993	1,161.75	6	120	43.3	0.49	0.3	0.26
2052	971	972	588.08	8	120	6.62	0.04	0	0
2054	2405	8052	41.97	16	120	591.81	0.94	0.01	0.27
2057	2085	2082	1,164.30	8	120	-409.71	2.62	4.72	4.06
2058	2431	2386	3,000.46	20	120	1,362.55	1.39	1.3	0.43
2059	2386	2334	2,266.13	8	120	27.77	0.18	0.06	0.03
206	1508	1518	297.56	8	120	6.84	0.04	0	0
2060	2386	2391	1,188.82	20	120	1,334.78	1.36	0.5	0.42
2063	2435	10022	28.4	20	120	0	0	0	0
2064	963	973	686.01	8	120	11.56	0.07	0	0.01
2068	10034	2417	29.63	10	120	387.66	1.58	0.04	1.24
2069	10032	2416	29.79	10	120	387.67	1.58	0.04	1.23
207	1508	1494	485.17	8	120	-113.88	0.73	0.18	0.38
2070	10030	2415	29.95	10	120	587.24	2.4	0.08	2.67
2071	10028	2413	28.86	10	120	0	0	0	0
2073	2110	2113	359.11	16	120	-887.98	1.42	0.21	0.58
2074	2082	2110	1,350.15	16	120	-853.63	1.36	0.73	0.54
2075	2475	2476	8.23	10	120	5.11	0.02	0	0
2076	2476	2477	25.46	6	120	5.11	0.06	0	0
2077	2478	2475	271.52	10	120	20.17	0.08	0	0.01
2078	2496	2475	1,328.76	10	120	-15.06	0.06	0	0
2079	2042	2082	831.49	16	120	-410.95	0.66	0.12	0.14
208	1494	1503	435.5	8	120	-44.65	0.29	0.03	0.07
2080	2502	2503	32.44	8	120	-58.58	0.37	0	0.11
2081	2503	VALLECIT_TNK	9.58	12	120	-301.15	0.85	0	0.32
2082	2502	2503	16.83	12	120	-242.56	0.69	0	0.21
2083	2532	2502	1,216.97	12	120	-301.15	0.85	0.39	0.32
2084	2035	2041	467.31	16	120	-339.42	0.54	0.05	0.1
2085	2032	2035	47.15	16	120	-241.43	0.39	0	0.05
2086	2045	2042	373.91	8	120	-37.7	0.24	0.02	0.05
2087	2537	2557	1,060.44	18	120	-112.88	0.14	0.01	0.01
2089	2550	10098	20.23	6	120	0	0	0	0
209	1529	1494	951.53	8	120	80.93	0.52	0.19	0.2
2090	2524	2518	114.61	12	120	0	0	0	0
2091	2006	2002	540.68	8	120	18.57	0.12	0.01	0.01
2092	2104	2105	1,349.96	8	120	-146.98	0.94	0.82	0.61
2093	10018	2258	18.58	10.1	120	15.8	0.06	0	0
2094	2105	2111	1,530.65	8	120	82.9	0.53	0.32	0.21

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
2095	2172	2188	863.65	6	120	43.06	0.49	0.22	0.25
2096	2171	2172	45.9	6	120	43.06	0.49	0.01	0.26
2097	2176	2171	226.65	8	120	43.39	0.28	0.01	0.06
2098	2176	2179	540.36	10	120	-205.66	0.84	0.21	0.38
2099	2173	2176	83.43	10	120	-159.8	0.65	0.02	0.24
21	1059	1057	206.21	12	120	-1,236.16	3.51	0.9	4.35
210	1529	1530	257.74	8	120	73.01	0.47	0.04	0.17
2100	2145	2173	1,092.62	8	120	-159.8	1.02	0.78	0.71
2101	2145	2141	490.18	6	120	4.09	0.05	0	0
2102	2136	2145	106.24	8	120	-154.7	0.99	0.07	0.67
2103	2136	2123	453.8	6	120	36.26	0.41	0.08	0.18
2104	2135	2136	283.1	8	120	-118.35	0.76	0.12	0.41
2105	2108	2135	1,469.47	6	120	-95.17	1.08	1.62	1.1
2106	2106	2137	1,607.24	8	120	15.66	0.1	0.02	0.01
2107	2218	2209	903	8	120	17.7	0.11	0.01	0.01
2108	2218	2226	469.36	16	120	-1,001.30	1.6	0.34	0.73
2109	100016	2218	2,103.42	16	120	-815.47	1.3	1.04	0.5
211	1423	10000	1,338.38	8	120	0	0	0	0
2110	2133	2124	265.26	6	120	0.08	0	0	0
2111	2131	2130	331.76	12	120	698.76	1.98	0.5	1.51
2112	2133	2131	160.54	12	120	698.76	1.98	0.24	1.51
2113	2144	2133	283.3	12	120	698.84	1.98	0.43	1.51
2114	100000	2144	441.13	12	120	699.14	1.98	0.67	1.52
2115	2152	100016	10.12	12	120	-13.28	0.04	0	0
2116	2099	CANONITA_TNK	138.58	16	120	-3,439.86	5.49	0.99	7.13
2117	2106	2107	134.97	6	120	-15.66	0.18	0.01	0.04
2118	2103	2099	1,598.46	16	120	-1,732.96	2.77	3.2	2
2119	2102	2103	1,016.18	16	120	-1,722.49	2.75	2.01	1.98
212	519	446	1,730.00	14	120	779.95	1.63	1.51	0.88
2120	2073	2036	1,131.61	6	120	6.46	0.07	0.01	0.01
2121	2076	2073	535.15	8	120	13.87	0.09	0	0.01
2122	2050	2076	372.51	24	120	-3,359.72	2.38	0.35	0.95
2123	2050	2056	913.66	8	120	1.92	0.01	0	0
2124	2235	2221	385.09	6	120	2.68	0.03	0	0
2125	2196	2201	314.29	8	120	13.07	0.08	0	0.01
2126	2196	2224	1,469.89	16	120	-1,224.07	1.95	1.55	1.05
2127	2177	100156	48.76	16	120	-7.21	0.01	0	0
2128	2186	100156	442.32	12	120	-1,190.07	3.38	1.79	4.06
2129	2155	2154	634.93	8	120	15.58	0.1	0.01	0.01
213	441	449	219.28	6	120	7.92	0.09	0	0.01
2130	2156	2155	282.49	8	120	20.7	0.13	0	0.02
2131	100168	2180	535.95	4	120	37.04	0.95	0.74	1.39
2132	2205	2206	498.71	12	120	111.89	0.32	0.03	0.05
2133	2205	2208	343.74	12	120	11.44	0.03	0	0
2134	2203	2205	83.37	12	120	126.29	0.36	0.01	0.06
2137	2187	2203	733.56	12	120	129.92	0.37	0.05	0.07
2138	2186	100168	403.33	12	120	170.53	0.48	0.04	0.11
2139	2116	2122	233.61	6	120	0.76	0.01	0	0
214	441	440	149.86	6	120	1.02	0.01	0	0
2140	2156	2186	710.71	12	120	-1,012.60	2.87	2.14	3.01
2141	2117	2139	1,093.49	16	120	-975.2	1.56	0.76	0.69
2142	2114	2116	371.02	16	120	-966.62	1.54	0.25	0.68
2143	2094	2113	1,753.24	6	120	-66	0.75	0.98	0.56
2144	2097	2094	170.43	6	120	-29.8	0.34	0.02	0.13
2145	2045	2068	546.68	8	120	19.38	0.12	0.01	0.01
2146	2086	2109	1,244.40	8	120	-156.02	1	0.84	0.68
2147	2029	2033	696.17	6	120	-35.56	0.4	0.12	0.18
2148	2044	2039	1,051.25	8	120	112.34	0.72	0.39	0.37
2149	2079	2080	456.41	8	120	22.93	0.15	0.01	0.02
215	455	441	390.87	6	120	8.95	0.1	0.01	0.01
2150	2086	2078	894.69	8	120	26.07	0.17	0.02	0.02
2151	2044	2086	1,322.31	8	120	-112.34	0.72	0.49	0.37
2152	2028	8034	1,271.23	8	120	0	0	0	0
2153	2023	2028	470.64	8	120	8.29	0.05	0	0
2154	2038	2043	577.62	6	120	28.99	0.33	0.07	0.12
2155	2026	2038	300.18	6	120	40.74	0.46	0.07	0.23

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
2156	2026	2040	978.47	6	120	8.44	0.1	0.01	0.01
2157	2024	2026	517.59	6	120	51.72	0.59	0.18	0.36
2158	2165	2148	363.44	6	120	29.84	0.34	0.05	0.13
2159	2165	2167	911.94	8	120	382.53	2.44	3.26	3.57
216	1419	1425	654.96	6	120	0	0	0	0
2160	1978	1967	101.25	6	120	67.23	0.76	0.06	0.58
2163	100172	2022	18.5	6	120	-36.83	0.42	0	0.19
2164	2020	100172	83.65	6	120	0	0	0	0
2165	1986	1996	809.3	16	120	1,352.86	2.16	1.03	1.27
2166	1981	1982	72.2	16	120	1,396.87	2.23	0.1	1.34
2167	1988	2004	1,416.76	16	120	-1,407.38	2.25	1.93	1.36
2168	1983	1988	117.91	16	120	-1,407.38	2.25	0.16	1.36
2169	1970	1983	266.9	16	120	-1,407.38	2.25	0.36	1.36
217	1413	1414	284.15	6	120	12.46	0.14	0.01	0.03
2170	1976	1995	377.45	12	120	-1,901.75	5.39	3.65	9.67
2171	1985	100036	42.55	8	120	34.26	0.22	0	0.04
2172	2212	2189	1,849.27	8	120	34.05	0.22	0.07	0.04
2173	2210	2212	621.87	8	120	138.85	0.89	0.34	0.55
2174	2220	2210	241.47	8	120	256.95	1.64	0.41	1.71
2175	2239	2220	1,189.67	6	120	286.29	3.25	10.09	8.48
2176	2161	2150	241.26	8	120	-36.7	0.23	0.01	0.05
2177	2169	2161	976.35	8	120	-28.67	0.18	0.03	0.03
2178	2397	2456	832.6	10	120	38.34	0.16	0.01	0.02
2179	2399	2405	746.2	16	120	808.22	1.29	0.36	0.49
218	1410	1419	1,001.01	6	120	-205.02	2.33	4.58	4.57
2180	2391	2393	52.04	16	120	1,329.50	2.12	0.06	1.22
2181	2363	2338	974.8	6	120	55.04	0.62	0.39	0.4
2182	2327	2304	651.69	10	120	387.81	1.58	0.81	1.24
2183	2292	2290	808.51	8	120	8.67	0.06	0	0
2184	2292	2287	303.64	8	120	19.73	0.13	0	0.01
2185	2298	2292	594.83	8	120	30.29	0.19	0.02	0.03
2186	2305	2331	831.8	8	120	2.53	0.02	0	0
2187	2299	2305	966.64	8	120	5	0.03	0	0
2188	2298	2299	213.17	8	120	28.2	0.18	0.01	0.03
2189	2362	2345	388.37	20	120	1,248.82	1.28	0.14	0.37
219	1409	1410	335.53	6	120	-15.68	0.18	0.01	0.04
2190	2345	2333	918.08	20	120	1,242.88	1.27	0.34	0.37
2191	2337	2339	599.06	8	120	40.97	0.26	0.03	0.06
2192	2293	8618	1,434.84	12	120	-63.89	0.18	0.03	0.02
2193	2283	2310	2,225.48	8	120	-406.69	2.6	8.91	4
2195	2266	2265	127.56	6	120	10.61	0.12	0	0.02
2196	2238	2266	1,549.92	8	120	-345.78	2.21	4.59	2.96
2197	2247	2267	2,141.17	16	120	-1,210.54	1.93	2.21	1.03
2198	2250	2227	1,275.04	16	120	895.7	1.43	0.75	0.59
2199	2458	2436	282.64	12	120	-408.16	1.16	0.16	0.56
22	1077	1058	1,221.92	12	120	-1,209.38	3.43	5.11	4.18
220	1419	1418	973.53	8	120	-209.83	1.34	1.14	1.18
2200	2454	2402	395.06	8	120	-296.19	1.89	0.88	2.23
2201	2388	2337	1,423.14	12	120	-12.15	0.03	0	0
2202	2337	2293	1,891.57	12	120	-53.12	0.15	0.02	0.01
2203	2402	2436	1,310.56	20	120	3,003.01	3.07	2.45	1.87
2204	2402	2379	848.38	6	120	12.25	0.14	0.02	0.02
2205	2436	2388	678.62	8	120	344.06	2.2	1.99	2.94
2206	2388	2390	672.12	12	120	347.7	0.99	0.28	0.42
2207	2390	2437	633.83	12	120	-118.61	0.34	0.04	0.06
2208	2389	2390	71.62	8	120	-466.3	2.98	0.37	5.16
2209	2387	2389	287.34	6	120	-15.92	0.18	0.01	0.04
221	1418	1417	321.7	8	120	10.59	0.07	0	0
2210	2389	2310	2,360.43	8	120	428.11	2.73	10.39	4.4
2211	2437	2436	689.8	16	120	-2,246.80	3.59	2.24	3.24
2212	2393	2397	206.49	16	120	855	1.36	0.11	0.54
2213	2393	2373	611.51	16	120	459.41	0.73	0.1	0.17
2214	2373	2363	682.68	10	120	451.38	1.84	1.12	1.64
2215	2363	2327	1,113.42	10	120	395.07	1.61	1.42	1.28
2216	2304	2303	22.82	10	120	367.95	1.5	0.03	1.12
2217	2304	2307	352.84	6	120	14.45	0.16	0.01	0.03

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
2218	2397	2399	585.46	16	120	816.09	1.3	0.29	0.5
2219	2405	2459	1,492.25	18	120	216.4	0.27	0.04	0.02
222	1418	1413	825.55	10	120	-277.85	1.14	0.55	0.67
2220	2330	2289	2,454.85	8	120	-41.02	0.26	0.14	0.06
2221	2303	2280	1,828.14	10	120	295.72	1.21	1.37	0.75
2222	2289	8036	5.75	8	120	0	0	0	0
2223	1006	1002	513.56	6	120	-17.96	0.2	0.03	0.05
2224	1002	1003	127.79	6	120	4.75	0.05	0	0
2227	1017	1019	307.14	4	120	-119.56	3.05	3.73	12.13
2228	2485	2461	1,318.83	18	120	-215.5	0.27	0.03	0.02
2229	2589	2565	2,319.54	16	120	-14.92	0.02	0	0
223	1411	1394	2,520.09	8	120	0	0	0	0
2231	2197	2200	257.47	4	120	-87.2	2.23	1.74	6.76
2232	1018	1021	687.21	6	120	29	0.33	0.08	0.12
2234	2224	2160	2,569.78	8	120	169.92	1.08	2.04	0.8
2235	2159	2158	520.26	6	120	5.98	0.07	0	0.01
2236	2160	2159	26.72	8	120	164.64	1.05	0.02	0.75
2237	2179	2157	717.14	6	120	7.88	0.09	0.01	0.01
2238	2236	2179	1,849.92	10	120	327.92	1.34	1.68	0.91
2239	2247	2250	1,761.35	16	120	895.7	1.43	1.04	0.59
224	1410	1408	529.98	6	120	157.84	1.79	1.49	2.82
2240	2247	2239	913.89	8	120	314.83	2.01	2.28	2.49
2242	967	947	1,783.24	8	120	-13.6	0.09	0.01	0.01
2244	989	992	231.71	6	120	6.46	0.07	0	0.01
2247	960	966	317.53	8	120	298.2	1.9	0.72	2.25
2248	966	975	1,044.37	8	120	255.03	1.63	1.76	1.69
2249	960	954	639.05	8	120	-303.62	1.94	1.49	2.33
225	1413	1406	862.58	10	120	-328.74	1.34	0.79	0.91
2250	948	2037	506.56	8	120	51.46	0.33	0.04	0.09
2251	980	974	418.17	6	120	7.3	0.08	0	0.01
2252	966	965	921.99	6	120	24.5	0.28	0.08	0.09
2254	975	980	1,067.65	6	120	238.88	2.71	6.48	6.07
2255	980	981	195.12	6	120	227.4	2.58	1.08	5.54
2256	981	986	100.21	6	120	184.1	2.09	0.38	3.75
2257	2029	2049	912.01	6	120	37.84	0.43	0.18	0.2
2258	2029	2039	1,197.73	6	120	-108.23	1.23	1.68	1.4
2259	2109	2138	1,363.77	6	120	-156.02	1.77	3.76	2.76
226	154	149	1,226.62	12	120	-12.66	0.04	0	0
2260	2080	2101	900.32	4	120	21.26	0.54	0.45	0.5
2261	946	944	249.38	8	120	89.17	0.57	0.06	0.24
2262	942	941	719.7	6	120	13.84	0.16	0.02	0.03
2263	1996	2024	1,420.45	6	120	53.9	0.61	0.55	0.39
2264	1982	1985	30.54	8	120	34.26	0.22	0	0.04
2265	1991	1979	288.19	8	120	7.68	0.05	0	0
2266	1991	1998	393.74	8	120	1.61	0.01	0	0
2267	2345	2360	289.3	8	120	4.41	0.03	0	0
2268	2398	2395	660.6	20	120	-3,338.54	3.41	1.5	2.28
2269	2308	2295	771.94	8	120	14.13	0.09	0.01	0.01
227	149	139	465.09	12	120	-69.4	0.2	0.01	0.02
2270	653	670	313.27	8	120	-167.42	1.07	0.24	0.77
2271	2329	2308	439.52	6	120	15.91	0.18	0.02	0.04
2272	2395	2329	2,116.06	6	120	53.99	0.61	0.82	0.39
2273	2369	2361	330.91	8	120	14.46	0.09	0	0.01
2274	2362	2336	692.84	6	120	10.8	0.12	0.01	0.02
2275	2364	10020	846.99	30	120	4,742.56	2.15	0.51	0.61
2276	2328	2364	1,305.58	30	120	4,969.92	2.26	0.86	0.66
2277	2385	10020	25.13	27	120	-0.16	0	0	0
2278	2451	2400	604.64	10	120	0	0	0	0
2279	2302	2306	198.34	6	120	0	0	0	0
228	139	115	1,966.82	12	120	-313.11	0.89	0.67	0.34
2280	2285	2302	1,378.78	8	120	80.32	0.51	0.27	0.2
2281	NORTH_RES	2347	59.35	18	120	4,227.21	5.33	0.35	5.89
2282	2371	2346	1,629.25	24	120	747	0.53	0.1	0.06
2283	2367	2371	1,441.46	24	120	747	0.53	0.08	0.06
2284	2365	2367	85.51	16	120	747	1.19	0.04	0.42
2285	2273	2264	623.64	6	120	21.07	0.24	0.04	0.07

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
2286	2276	2277	182.22	12	120	64.33	0.18	0	0.02
2287	2246	2273	1,508.04	12	120	129.7	0.37	0.1	0.07
2288	2226	2246	873.36	16	120	-1,007.41	1.61	0.64	0.73
2289	2268	2262	1,592.42	8	120	3.08	0.02	0	0
229	99	119	614.58	12	120	593.2	1.68	0.69	1.12
2290	2301	2268	3,912.59	14	120	1,188.08	2.48	7.47	1.91
2291	2241	2235	293.25	6	120	13.09	0.15	0.01	0.03
2292	2282	2291	765.38	20	120	5.15	0.01	0	0
2293	2285	2281	617.31	24	120	1,998.78	1.42	0.22	0.36
2294	2261	2271	969.36	20	120	-1,872.19	1.91	0.76	0.78
2295	2253	2251	137.48	16	120	-1,510.99	2.41	0.21	1.55
2296	2249	2253	1,052.00	16	120	-1,510.99	2.41	1.64	1.55
2297	2249	2244	1,071.71	16	120	1,423.94	2.27	1.49	1.39
2298	2244	2241	371.6	6	120	13.09	0.15	0.01	0.03
2299	2237	2234	712.33	6	120	31.83	0.36	0.1	0.15
23	1083	1061	1,006.19	8	120	-86.37	0.55	0.23	0.23
230	119	1422	1,295.12	12	120	549.65	1.56	1.26	0.97
2300	2251	2237	940.86	10	120	359.75	1.47	1.01	1.08
2301	2271	2269	585.37	8	120	103.6	0.66	0.19	0.32
2302	2294	2286	1,315.22	24	120	2,092.51	1.48	0.52	0.39
2303	2296	2294	665.15	24	120	2,092.51	1.48	0.26	0.39
2304	2297	2296	259.84	24	120	2,092.51	1.48	0.1	0.39
2305	NORTHSIDE_TNK	2297	231.22	24	120	2,092.51	1.48	0.09	0.39
2306	2077	2016	2,151.13	8	120	-72	0.46	0.35	0.16
2307	2215	2230	521.08	8	120	-4.45	0.03	0	0
2308	2211	2202	643.81	6	120	-0.08	0	0	0
2309	2195	2132	2,055.04	8	120	-572.03	3.65	15.47	7.53
231	119	124	1,161.64	8	120	21.34	0.14	0.02	0.02
2310	2132	2130	2,905.46	12	120	-591.22	1.68	3.23	1.11
2311	2215	2202	501.38	8	120	-534.51	3.41	3.33	6.64
2312	2217	2215	1,625.49	8	120	-538.97	3.44	10.96	6.74
2313	2216	2217	705.2	8	120	-264.61	1.69	1.27	1.81
2314	2048	2063	557.49	12	120	8.32	0.02	0	0
2315	2088	2048	971.54	12	120	8.32	0.02	0	0
2316	2047	2014	1,795.00	16	120	-71.86	0.11	0.01	0.01
2317	2071	2047	891.34	16	120	-65.94	0.11	0	0
2318	2075	2071	153.42	27	120	0	0	0	0
2319	2104	2089	819.06	6	120	-51.09	0.58	0.29	0.35
232	2595	2592	678.42	6	120	-35.95	0.41	0.12	0.18
2320	2119	2118	318.21	6	120	0.86	0.01	0	0
2321	2134	2119	647.21	8	120	49.34	0.31	0.05	0.08
2322	2168	8038	28.9	8	120	0	0	0	0
2323	2222	2229	366.18	8	120	345.42	2.2	1.08	2.96
2324	2175	2222	1,801.66	8	120	363.49	2.32	5.86	3.25
2325	2168	2175	1,322.71	8	120	374.66	2.39	4.55	3.44
2326	2219	2183	2,330.83	10	120	91.41	0.37	0.2	0.09
2327	2231	2219	482.1	10	120	116.07	0.47	0.06	0.13
2328	2146	2104	1,897.93	8	120	-196.18	1.25	1.97	1.04
2329	2190	2191	693.36	8	120	-0.91	0.01	0	0
233	2373	2377	159.48	16	120	0	0	0	0
2331	2105	2087	868.36	18	120	165.21	0.21	0.01	0.01
2332	2121	2105	945.58	18	120	437.89	0.55	0.08	0.09
2333	2149	2121	1,377.05	18	120	463.91	0.58	0.14	0.1
2334	2181	2149	1,905.53	18	120	513.27	0.65	0.23	0.12
2335	2184	2193	440.42	6	120	24.49	0.28	0.04	0.09
2336	2181	2184	447.61	8	120	373.71	2.39	1.53	3.42
2337	2191	2181	1,902.33	16	120	890.3	1.42	1.11	0.58
2338	2621	2622	645.71	6	120	21.54	0.24	0.05	0.07
2339	2619	2621	1,521.81	6	120	32.73	0.37	0.23	0.15
234	2119	2115	481.52	8	120	25.46	0.16	0.01	0.02
2340	2569	2603	1,952.62	12	120	79.2	0.22	0.05	0.03
2341	2521	2520	128.93	6	120	4.08	0.05	0	0
2342	2524	2521	327.69	12	120	-268.26	0.76	0.08	0.26
2343	2524	2506	300.09	6	120	38.66	0.44	0.06	0.21
2344	2569	2524	1,792.24	12	120	-224.07	0.64	0.33	0.18
2345	2564	2569	543.82	12	120	-119.67	0.34	0.03	0.06

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
2346	2573	2574	41.91	6	120	-9.04	0.1	0	0.01
2347	2579	2583	647.23	8	120	3.69	0.02	0	0
2348	2580	2593	849.37	8	120	5.64	0.04	0	0
2349	2579	2580	206.59	8	120	11.04	0.07	0	0.01
235	2271	2281	951.32	20	120	-1,993.62	2.04	0.83	0.88
2350	2564	2579	738.39	8	120	14.81	0.09	0.01	0.01
2351	2540	2564	635.14	12	120	-103.03	0.29	0.03	0.04
2352	2529	2505	682.11	14	120	2.5	0.01	0	0
2353	2561	2529	815.09	14	120	2.85	0.01	0	0
2354	2573	2561	878.19	12	120	3.09	0.01	0	0
2355	2559	2574	1,094.78	6	120	9.04	0.1	0.02	0.01
2356	2540	2559	2,178.12	8	120	16.12	0.1	0.02	0.01
2357	2555	2542	509.93	6	120	9.25	0.1	0.01	0.01
2358	2540	2555	347.81	6	120	10.11	0.11	0.01	0.02
2359	2508	2540	675.36	12	120	-75.05	0.21	0.02	0.02
236	2522	8022	442.58	8	120	0	0	0	0
2360	2489	2508	2,113.55	12	120	-18.07	0.05	0	0
2361	2244	2243	476.72	16	120	1,403.90	2.24	0.65	1.36
2362	2237	2236	168.81	10	120	327.92	1.34	0.15	0.91
2363	2251	2261	194.84	16	120	-1,870.74	2.99	0.45	2.31
2364	2273	2276	687.05	12	120	64.33	0.18	0.01	0.02
2365	2268	2246	1,625.70	14	120	1,176.98	2.45	3.05	1.88
2366	2306	2332	621.9	6	120	0	0	0	0
2367	2400	2385	892.01	14	120	-0.08	0	0	0
2368	2279	2278	39.53	8	120	-56.22	0.36	0	0.1
2369	2587	2575	918.12	8	120	-1.41	0.01	0	0
237	2455	2406	1,469.46	8	120	736.78	4.7	17.68	12.03
2370	2570	2568	46.93	8	120	-4.29	0.03	0	0
2371	2473	2471	1,195.38	8	120	1.87	0.01	0	0
2372	2473	2463	773.02	12	120	2.53	0.01	0	0
2373	2480	2474	1,079.54	8	120	94.55	0.6	0.29	0.27
2374	2480	2464	769.87	6	120	51.62	0.59	0.27	0.36
2375	2481	2484	1,288.28	8	120	36.88	0.24	0.06	0.05
2376	2482	2481	1,130.32	8	120	-90.89	0.58	0.28	0.25
2377	2499	2484	1,371.72	8	120	-129.8	0.83	0.66	0.48
2378	2494	2493	715.71	14	110	-37.27	0.08	0	0
2379	2591	2584	408.69	8	110	1.73	0.01	0	0
238	2597	2592	211.36	8	120	-10.57	0.07	0	0
2380	2591	2567	2,450.59	8	110	0	0	0	0
2382	2256	2254	49.49	12	120	280.46	0.8	0.01	0.28
2383	2254	2256	21.82	16	120	-930.08	1.48	0.01	0.63
2384	2256	GOMEZ_TNK	8.11	16	120	-1,210.54	1.93	0.01	1.04
2385	2260	2254	174.12	16	120	-1,210.54	1.93	0.18	1.03
2387	2469	MAGEE_TNK	18.81	16	110	-51.44	0.08	0	0
2388	2466	2469	38.31	16	110	-51.44	0.08	0	0.01
2389	2465	2466	803.85	16	110	-51.44	0.08	0	0
239	2597	2596	330.43	8	120	5.55	0.04	0	0
2390	2614	2612	16.07	8	120	0	0	0	0
2391	2611	2605	75.02	14	120	0	0	0	0
2392	2609	2610	15.86	8	120	0	0	0	0
2393	2607	2609	52.87	14	120	0	0	0	0
2394	2604	2618	779.31	8	110	11.68	0.07	0.01	0.01
2395	2604	2599	484.24	14	110	-11.69	0.02	0	0
2396	2601	2607	1,492.77	14	120	1.36	0	0	0
2397	2404	2403	46.67	12	110	1.51	0	0	0
2398	2392	2404	1,112.09	8	110	-4.65	0.03	0	0
2399	2272	2260	1,031.57	16	120	-1,210.54	1.93	1.06	1.03
24	1071	1049	1,272.13	8	120	140.57	0.9	0.71	0.56
240	2602	2597	313.66	8	120	-5.02	0.03	0	0
2400	2284	2272	1,199.67	16	120	-1,210.54	1.93	1.24	1.03
2401	1446	1440	790.07	8	120	6.82	0.04	0	0
2402	1130	8628	834.73	8	120	33.29	0.21	0.03	0.04
2403	652	100138	898.48	8	120	-16	0.1	0.01	0.01
2404	724	704	612.54	8	120	15.35	0.1	0.01	0.01
2405	2079	2078	67.25	8	120	-26.07	0.17	0	0.02
2406	2080	2081	90	8	120	1.01	0.01	0	0

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
2407	954	957	792.08	8	120	-339.94	2.17	2.27	2.87
2408	957	959	87.78	8	120	51.2	0.33	0.01	0.09
2409	959	971	920.06	8	120	18.15	0.12	0.01	0.01
241	2615	2625	1,169.13	6	120	2.78	0.03	0	0
2411	1009	1011	1,188.72	8	120	-69.59	0.44	0.18	0.15
2412	1011	1018	604.56	8	120	-70.13	0.45	0.09	0.15
2413	1018	2214	1,474.75	8	120	0	0	0	0
2414	1009	1010	12.97	8	120	67.65	0.43	0	0.15
2415	1018	1017	27.8	6	120	-106.81	1.21	0.04	1.37
2416	2143	2140	630.54	8	120	-8.57	0.05	0	0
2417	250	278	921.78	8	120	37.48	0.24	0.04	0.05
2418	250	231	978.1	12	120	79.75	0.23	0.03	0.03
2419	1969	1992	317.5	6	120	10.27	0.12	0.01	0.02
242	2602	2615	250.35	8	120	2.91	0.02	0	0
2420	10038	520	743.39	8	120	13.71	0.09	0.01	0.01
2422	1102	1098	345	8	120	4.77	0.03	0	0
2423	140	130	473.53	8	120	-13.69	0.09	0	0.01
2424	130	126	694.94	8	120	-36.29	0.23	0.03	0.05
2425	126	128	424.93	8	120	289.58	1.85	0.91	2.13
2426	126	122	497.23	8	120	-341.04	2.18	1.44	2.89
2427	122	121	344.65	8	120	30.16	0.19	0.01	0.03
2428	122	106	886.22	8	120	-401.26	2.56	3.46	3.9
2429	92	90	247.09	12	120	-298.45	0.85	0.08	0.31
243	2620	2602	971.66	8	120	-1.01	0.01	0	0
2430	90	95	425.4	8	120	13.78	0.09	0	0.01
2431	90	85	706.67	12	120	-312.23	0.89	0.24	0.34
2432	85	86	453.2	12	120	-354.3	1.01	0.2	0.43
2433	86	87	232.95	8	120	21.05	0.13	0	0.02
2434	85	100	666.93	8	120	0	0	0	0
2435	85	80	1,062.22	8	120	38.78	0.25	0.05	0.05
2436	86	79	536.2	12	120	-375.36	1.06	0.26	0.48
2437	92	91	342.92	12	120	-112.52	0.32	0.02	0.05
244	2624	2620	980.63	8	120	0	0	0	0
2440	125	113	1,269.54	8	120	16.47	0.11	0.01	0.01
2441	113	112	306.7	8	120	-3.74	0.02	0	0
2442	109	113	119.25	8	120	-5.47	0.03	0	0
2443	109	8512	3.68	8	120	0	0	0	0
2444	100	105	4.49	8	120	0	0	0	0
2445	100	103	6.48	4	120	0	0	0	0
2447	108	109	1.04	4	120	-5.47	0.14	0	0
2448	108	8516	1.5	3	120	5.47	0.25	0	0.16
245	2533	2536	986.16	8	120	122.66	0.78	0.43	0.43
2453	460	462	8.58	14	120	-2.71	0.01	0	0
2454	463	466	43.02	12	120	13.62	0.04	0	0
2455	466	465	22.28	12	120	13.62	0.04	0	0
2456	2538	8024	4.35	8	120	0	0	0	0
2457	2548	2551	14.8	8	120	0	0	0	0
2458	106	100142	3.97	8	120	-186.91	1.19	0	0.95
2459	101	98	4.48	8	120	-186.92	1.19	0	0.94
246	2530	2533	1,484.51	12	120	269.6	0.76	0.39	0.26
2462	8052	RBOWHGT_TNK	31.8	12	120	591.81	1.68	0.04	1.11
2463	1266	1268	6.83	4	120	0	0	0	0
2465	1269	100128	10.51	2	120	0	0	0	0
2467	1269	1270	4.51	3	120	0	0	0	0
2468	1269	1271	23	6	120	0	0	0	0
247	2532	2530	382.29	12	120	273.02	0.77	0.1	0.27
2470	2377	2375	8.14	12	120	0	0	0	0
2471	2375	2374	15.32	8	120	0	0	0	0
2472	2377	2380	9.49	16	120	0	0	0	0
2473	2380	2381	8.9	16	120	0	0	0	0
2474	2381	2378	8.16	12	120	0	0	0	0
2475	2378	2374	16.18	8	120	0	0	0	0
2476	2375	2376	9.58	12	120	0	0	0	0
2477	2376	2378	8.76	12	120	0	0	0	0
248	2563	2532	1,097.16	8	120	-2.98	0.02	0	0
2481	863	861	872	20	120	-1,356.14	1.38	0.37	0.43

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
2482	861	859	24.47	14	120	29.71	0.06	0	0
2483	145	150	593.86	8	120	35.6	0.23	0.03	0.04
2484	150	146	163.48	8	120	13.74	0.09	0	0.01
2485	150	153	267.06	8	120	11.56	0.07	0	0.01
2486	100124	145	514.37	8	120	69.04	0.44	0.08	0.15
2487	145	152	364.3	8	120	18.81	0.12	0	0.01
2488	598	570	1,054.97	8	120	3.2	0.02	0	0
2489	598	609	181.12	8	120	-19.58	0.12	0	0.01
249	2566	2563	207.45	6	120	-0.62	0.01	0	0
2490	609	639	517.62	8	120	-47.64	0.3	0.04	0.08
2491	639	708	1,442.89	8	120	-71.06	0.45	0.23	0.16
2492	708	722	395.33	8	120	-96.04	0.61	0.11	0.28
2493	724	722	41.81	8	120	96.54	0.62	0.01	0.28
2495	1146	1147	431.68	8	120	2.32	0.01	0	0
2496	1895	1907	454.73	8	120	14.94	0.1	0	0.01
2497	1895	1919	658.2	6	120	-159.35	1.81	1.89	2.87
2498	780	759	761.86	8	120	-12.33	0.08	0	0.01
2499	653	673	571.95	8	120	15.66	0.1	0.01	0.01
25	1097	1084	2,274.67	8	120	0	0	0	0
250	634	678	945.26	8	120	-135.4	0.86	0.49	0.52
2500	599	651	1,163.36	8	120	-60.81	0.39	0.14	0.12
2501	602	629	564.18	18	120	-1,276.36	1.61	0.36	0.64
2502	679	651	974.2	8	120	-61.27	0.39	0.12	0.12
2503	651	653	442.87	8	120	-139.18	0.89	0.24	0.55
2504	602	624	281.63	18	120	1,297.72	1.64	0.19	0.66
2505	609	10040	38.99	18	120	-1,297.48	1.64	0.03	0.66
2506	599	575	646.93	8	120	10.08	0.06	0	0
2507	633	1432	787.93	18	120	-1,445.32	1.82	0.64	0.81
2508	670	633	655.18	8	120	-168.96	1.08	0.52	0.79
2509	435	436	697.22	14	120	123.97	0.26	0.02	0.03
251	1271	1272	10.32	6	120	15.4	0.17	0	0.04
2510	721	679	892.2	8	120	-9.84	0.06	0	0
2511	725	721	449.46	8	120	-1.23	0.01	0	0
2512	759	747	426.06	8	120	0	0	0	0
2513	747	725	538.91	8	120	0	0	0	0
2514	679	641	881.99	8	120	26.67	0.17	0.02	0.03
2515	641	602	653.99	8	120	-5.54	0.04	0	0
2516	436	437	803.27	14	120	123.89	0.26	0.02	0.03
2517	437	431	1,126.41	14	120	114.49	0.24	0.03	0.03
2518	431	415	1,438.85	14	120	99.26	0.21	0.03	0.02
252	1265	1264	8.91	14	120	-1,648.28	3.44	0.03	3.51
2520	2491	2488	3,291.24	8	120	-16.4	0.1	0.03	0.01
2521	2491	2487	435.57	8	120	15.86	0.1	0	0.01
2522	2491	2490	45.83	8	120	0	0	0	0
2523	938	939	919.63	8	120	26.64	0.17	0.02	0.03
2524	1650	878	522.33	8	120	-218.16	1.39	0.66	1.26
2525	1374	1373	197.52	24	120	-2,091.05	1.48	0.08	0.39
2526	1373	1380	1,284.19	24	120	-2,098.28	1.49	0.51	0.4
2527	1091	1102	1,264.75	8	120	18.09	0.12	0.02	0.01
2528	906	909	1,152.87	8	120	27.05	0.17	0.03	0.03
2529	782	783	562.67	8	120	10.05	0.06	0	0
253	886	887	1,399.37	20	120	503.13	0.51	0.1	0.07
2530	798	808	466	8	120	9.1	0.06	0	0
2531	847	2470	359.16	8	120	0	0	0	0
2532	848	847	485.26	20	120	-2,311.31	2.36	0.56	1.15
2533	847	852	938.47	20	120	-2,311.31	2.36	1.08	1.15
2534	782	768	400.34	8	120	160.79	1.03	0.29	0.72
2535	794	791	245.02	8	120	208.08	1.33	0.28	1.16
2536	791	782	544.85	8	120	177.59	1.13	0.47	0.86
2537	805	798	653.35	8	120	578.57	3.69	5.02	7.69
2538	798	794	174.98	8	120	564.83	3.61	1.29	7.36
2539	192	194	86.59	6	120	-34.08	0.39	0.01	0.16
254	885	714	761.5	20	120	471.84	0.48	0.05	0.06
2540	194	195	174.46	6	120	-104.71	1.19	0.23	1.32
2541	894	898	164.7	12	120	-416.67	1.18	0.1	0.58
2542	898	904	1,016.37	12	120	-442.17	1.25	0.66	0.65

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
2543	904	908	409.34	12	120	-519.62	1.47	0.36	0.87
2545	908	910	74.5	12	120	-529.47	1.5	0.07	0.91
2546	1325	1336	1,286.42	8	120	190.3	1.21	1.26	0.98
2547	1323	1324	1,696.22	8	120	197.8	1.26	1.79	1.05
2549	1325	1324	182.86	8	120	-190.3	1.21	0.18	0.98
255	1752	885	351.5	20	120	2,640.63	2.7	0.52	1.47
2550	621	617	24.08	8	120	-89.68	0.57	0.01	0.24
2551	1372	8640	1,189.13	8	120	9.42	0.06	0	0
2552	1820	1821	249.99	8	120	8.63	0.06	0	0
2553	1817	1820	150.96	16	120	154.1	0.25	0	0.02
2554	1820	1867	1,779.60	16	120	141.83	0.23	0.03	0.02
256	1751	1752	1,370.00	20	120	3,381.80	3.45	3.19	2.33
258	1735	1733	149.67	6	120	-20.91	0.24	0.01	0.07
259	1805	1801	76.59	36	120	0	0	0	0
26	1038	1036	180.54	6	120	68.26	0.77	0.11	0.6
260	1797	1794	19.46	18	120	-6,315.04	7.96	0.24	12.39
261	1966	1936	699.68	6	120	27.47	0.31	0.08	0.11
262	1934	1932	14.86	20	120	0	0	0	0
263	1950	1926	544.69	6	120	0	0	0	0
264	1955	1950	641.86	6	120	12.82	0.15	0.02	0.03
265	1956	1955	255.51	6	120	37.72	0.43	0.05	0.2
266	743	720	506.23	6	120	-58.43	0.66	0.23	0.45
267	618	593	372.68	8	120	160.93	1.03	0.27	0.72
268	585	593	1,036.29	6	120	-135.52	1.54	2.2	2.12
269	592	600	323.1	6	120	-4.34	0.05	0	0
27	1035	1037	492.84	6	120	6.62	0.08	0	0.01
270	510	533	1,689.78	6	120	-8.8	0.1	0.02	0.01
271	538	541	1,211.14	20	120	-3,036.71	3.1	2.31	1.91
272	548	541	451.93	6	120	56.62	0.64	0.19	0.42
273	565	548	817.09	6	120	61.93	0.7	0.41	0.5
274	211	213	1,120.18	16	120	-117.23	0.19	0.02	0.01
276	213	207	592.94	8	120	6.8	0.04	0	0
277	231	232	351.4	8	120	33.76	0.22	0.01	0.04
278	208	195	1,022.79	6	120	-160.75	1.82	2.98	2.91
279	214	208	311.9	8	120	-147.95	0.94	0.19	0.62
28	1049	1045	147.69	6	120	0.25	0	0	0
280	231	226	170.77	12	120	46	0.13	0	0.01
281	255	249	358.36	14	120	0	0	0	0
283	228	230	115.62	10	120	-382.73	1.56	0.14	1.21
284	235	242	146.5	6.1	120	0	0	0	0
285	274	245	1,008.08	6	120	0	0	0	0
286	1331	10182	31.94	8	120	0	0	0	0
288	1332	10176	9.61	8	120	-4.2	0.03	0	0
289	1331	1330	76.22	8	120	-4.21	0.03	0	0
29	1049	1044	92.17	8	120	80.27	0.51	0.02	0.2
290	1330	1326	472.64	8	120	-247.97	1.58	0.76	1.6
291	1305	1304	52.21	6	120	0	0	0	0
292	1326	1308	968.39	8	120	-342.16	2.18	2.81	2.91
293	1308	10017	290.51	8	120	-368.03	2.35	0.97	3.33
295	1303	1302	29.88	14	120	1,304.19	2.72	0.07	2.27
296	1304	10013	61.74	14	120	-930.33	1.94	0.07	1.21
297	1302	1286	623.02	10	120	5.72	0.02	0	0
298	1339	244	841.64	8	120	59.34	0.38	0.1	0.11
299	244	229	539.98	8	120	34.92	0.22	0.02	0.04
3	1116	1108	909.6	6	120	26.57	0.3	0.09	0.1
30	1061	1071	2,957.74	12	120	-1,587.63	4.5	20.47	6.92
300	229	225	84.03	8	120	4.43	0.03	0	0
301	1349	1339	1,387.34	8	120	78.96	0.5	0.27	0.19
302	1326	1321	893.36	6	120	83.5	0.95	0.77	0.87
303	1303	1301	140.53	14	120	-1,304.19	2.72	0.32	2.27
304	1309	1307	517.15	4	120	-7.06	0.18	0.03	0.06
305	1308	1307	818.26	4	120	19.12	0.49	0.33	0.41
306	1307	1320	772.33	6	120	4.89	0.06	0	0
307	1342	1340	334.08	6.1	120	6.11	0.07	0	0.01
308	1342	1333	3,131.70	6	120	-107.37	1.22	4.32	1.38
309	1358	10162	8.3	6	120	0	0	0	0

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
31	1105	1099	829.03	12	120	-399.32	1.13	0.45	0.54
310	1298	1313	678.55	6	120	6.48	0.07	0.01	0.01
311	1299	1314	1,377.62	6	120	7.63	0.09	0.01	0.01
312	1346	1344	544.67	6	120	-46.37	0.53	0.16	0.29
313	1353	1347	390.08	12	120	390.23	1.11	0.2	0.51
314	1231	1233	91.86	8	120	18.91	0.12	0	0.01
315	1228	1231	1,359.50	8	120	63.73	0.41	0.18	0.13
316	1227	1225	439.09	10	120	-233.59	0.95	0.21	0.48
317	1230	1228	302.56	10	120	-136.22	0.56	0.05	0.18
318	1239	1246	459.63	8	120	25.78	0.16	0.01	0.02
319	1240	1239	601.58	6	120	31.74	0.36	0.09	0.14
32	1103	1067	2,214.11	8	120	-145.74	0.93	1.32	0.6
320	1256	1254	804.98	12	120	13.44	0.04	0	0
321	1245	1236	288.13	12	120	9.53	0.03	0	0
322	1251	1245	706.46	12	120	10.34	0.03	0	0
323	1257	1251	882.78	12	120	13.44	0.04	0	0
324	1254	1257	77.97	12	120	13.44	0.04	0	0
325	801	799	41.5	12.1	120	-78.89	0.22	0	0.03
326	801	820	1,004.88	6	120	99.1	1.12	1.2	1.19
327	799	789	688.04	12	120	716.85	2.03	1.09	1.59
328	809	805	46.46	14.1	120	2,279.08	4.68	0.29	6.16
329	10044	851	111.02	18.1	120	0	0	0	0
33	1104	1080	2,644.87	8	120	-8.69	0.06	0.01	0
330	1612	1614	228.92	6	120	7.26	0.08	0	0.01
331	1591	1595	208.09	6	120	10.93	0.12	0	0.02
332	865	10046	949.06	8	120	-11.72	0.07	0.01	0.01
333	1267	1266	10.26	2	120	0	0	0	0
334	1266	1265	2.12	4	120	0	0	0	0
335	1265	1276	681.49	14	120	1,648.27	3.44	2.39	3.5
336	573	634	1,256.43	8	120	-122.93	0.78	0.55	0.44
337	1264	1263	191.2	14	120	-1,653.56	3.45	0.67	3.52
338	530	2012	636.02	8	120	-202.42	1.29	0.7	1.1
339	142	137	137.66	16	120	-1,643.66	2.62	0.25	1.82
34	1042	1047	87.48	6	120	0	0	0	0
341	143	10142	8.13	16	120	-1,643.66	2.62	0.01	1.81
343	542	530	901.14	24	120	2,886.09	2.05	0.64	0.72
344	532	530	75.82	24	120	-3,088.52	2.19	0.06	0.81
345	1292	1280	1,679.02	14	120	-1,492.65	3.11	4.89	2.91
346	1293	1297	486.09	6	120	83.64	0.95	0.42	0.87
347	1293	1288	227.49	6	120	79.34	0.9	0.18	0.79
348	1294	1293	35.56	6	120	173.05	1.96	0.12	3.34
349	1292	10174	7.14	4	120	173.05	4.42	0.17	24.06
35	1064	1062	416.36	10	120	518.86	2.12	0.88	2.12
350	1299	1292	865.94	14	120	-1,319.60	2.75	2.01	2.32
351	529	532	173.76	20	120	-3,088.52	3.15	0.34	1.97
352	527	529	223.48	20	120	-3,026.75	3.09	0.42	1.9
353	201	199	66.94	10	120	210.59	0.86	0.03	0.4
354	202	10186	19.86	2	120	-111.04	11.34	6.15	309.64
355	203	201	26.44	10	120	-111.04	0.45	0	0.12
356	200	203	40.67	10	120	-111.04	0.45	0	0.12
357	202	10190	6.87	10	120	0	0	0	0
358	204	202	41.06	10	120	-111.04	0.45	0.01	0.12
359	205	204	282.27	10	120	-104.25	0.43	0.03	0.11
36	1074	1064	1,497.36	12	120	689.76	1.96	2.21	1.48
360	228	2648	603.45	10	120	359.3	1.47	0.65	1.07
361	528	527	82.09	20	120	-3,017.94	3.08	0.15	1.89
362	490	455	728.08	6	120	36.26	0.41	0.13	0.18
363	455	468	555.54	6	120	6.78	0.08	0	0.01
364	184	182	32.76	12	120	-358.26	1.02	0.01	0.44
365	189	181	667.25	6	120	42.09	0.48	0.16	0.24
366	181	182	43.44	6	120	-101.5	1.15	0.05	1.24
367	181	176	1,897.53	6	120	142.88	1.62	4.44	2.34
368	182	161	507.53	12	120	-459.76	1.3	0.35	0.7
369	512	506	275.33	6	120	2.94	0.03	0	0
37	1107	1094	1,401.88	6	120	0	0	0	0
370	215	189	1,366.78	6	120	-44.32	0.5	0.37	0.27

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
371	1698	1695	701.2	18	120	-558.63	0.7	0.1	0.14
372	1695	8576	8.05	8	120	86.15	0.55	0	0.23
373	1694	2422	498.29	12	120	-94.74	0.27	0.02	0.04
374	1702	1697	278.38	8	120	-86.15	0.55	0.06	0.23
375	557	508	1,820.96	8	120	-86.75	0.55	0.42	0.23
376	557	553	896.61	8	120	1.78	0.01	0	0
377	1713	100068	11.07	4	120	0	0	0	0
378	554	557	949.24	6	120	-55.52	0.63	0.39	0.41
38	1106	1107	691.67	8	120	20.8	0.13	0.01	0.02
380	1734	1711	785.25	6	120	130.86	1.48	1.56	1.99
381	1746	1747	1,123.91	16	120	3,613.13	5.77	8.78	7.81
382	646	655	412.85	8	120	124.53	0.79	0.18	0.45
383	643	622	560.37	8	120	7.95	0.05	0	0
384	1874	1861	185.88	10	120	258.21	1.05	0.11	0.58
385	1532	1529	328.07	8	120	160.77	1.03	0.24	0.72
386	1553	1554	43.41	6	120	33.45	0.38	0.01	0.16
387	883	881	158.42	12	120	868.15	2.46	0.36	2.26
388	860	862	321.71	8	120	121.92	0.78	0.14	0.43
389	860	856	227.63	8	120	8.02	0.05	0	0
39	1041	1039	826.96	8	120	27.96	0.18	0.02	0.03
390	859	860	597.37	8	120	137.1	0.88	0.32	0.53
392	857	2084	162.78	6	120	-125.35	1.42	0.3	1.84
393	2544	2546	32.33	8	120	0	0	0	0
394	2546	2548	15.59	6	120	0	0	0	0
395	2544	2545	16.14	6	120	0	0	0	0
396	2538	2546	103.39	6	120	109.36	1.24	0.15	1.43
397	2539	2526	653.67	10	120	-18.06	0.07	0	0
398	2544	2539	59.12	8	120	-18.06	0.12	0	0.01
399	346	338	155.54	6	120	77.89	0.88	0.12	0.76
4	1109	1104	3,724.27	6	120	17.49	0.2	0.18	0.05
40	1046	1041	989.38	6	120	27.96	0.32	0.11	0.11
401	320	340	283.76	6	120	41.21	0.47	0.07	0.23
402	286	318	995.14	20	120	446.84	0.46	0.05	0.05
403	320	341	427.1	20	120	384.74	0.39	0.02	0.04
404	320	318	44.61	20	120	-425.95	0.43	0	0.05
406	487	470	784.26	10	120	-311.76	1.27	0.65	0.83
407	484	487	194.61	10	120	-76.16	0.31	0.01	0.06
408	416	388	1,387.79	20	120	2,215.04	2.26	1.48	1.06
409	392	383	10.96	30.1	120	0	0	0	0
41	1034	1033	391.24	8	120	41.45	0.26	0.02	0.06
410	386	387	7.57	30	120	0	0	0	0
411	388	386	3.3	30	120	0	0	0	0
412	382	386	2.74	30.1	120	0	0	0	0
413	383	382	5.97	30.1	120	0	0	0	0
414	383	384	7.56	30.1	120	0	0	0	0
415	394	392	2.37	30.1	120	0	0	0	0
416	393	394	3.44	30.1	120	0	0	0	0
417	391	393	1.24	30.1	120	0	0	0	0
418	390	392	3.4	30.1	120	0	0	0	0
419	391	390	1.13	30.1	120	0	0	0	0
42	1042	1034	1,401.36	8	120	41.45	0.26	0.08	0.06
420	1936	1934	55.28	12	120	513.47	1.46	0.05	0.86
421	1803	1810	614.77	8	120	77.98	0.5	0.12	0.19
422	1857	1875	470.43	6	120	15.73	0.18	0.02	0.04
423	1758	1755	438.84	4	120	45.29	1.16	0.88	2.01
424	10012	1863	481.35	8	120	152.6	0.97	0.31	0.65
425	1830	1814	915.96	8	120	26.78	0.17	0.02	0.03
426	1814	1815	377.71	6	120	24.39	0.28	0.03	0.09
427	881	880	819.23	10	120	862.09	3.52	4.45	5.43
428	880	864	3,352.53	10	120	843.56	3.45	17.48	5.21
429	887	883	746.39	10	120	868.15	3.55	4.1	5.5
43	1046	1042	460.99	8	120	41.45	0.26	0.03	0.06
430	881	882	546.56	6	120	0.55	0.01	0	0
431	878	10048	13.98	14	120	1,946.16	4.06	0.07	4.76
432	1650	1629	904.72	6	120	198.82	2.26	3.91	4.32
433	1628	1632	346.82	6	120	21.19	0.24	0.02	0.07

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
434	1628	1612	623.97	6	120	143.22	1.63	1.47	2.35
435	1704	10002	1,270.75	6	120	-50.1	0.57	0.43	0.34
436	1733	1680	1,202.23	10	120	531.78	2.17	2.67	2.22
437	1615	1729	2,724.51	12	120	-710.31	2.01	4.25	1.56
438	1754	1706	1,506.33	18	120	2,607.53	3.29	3.63	2.41
439	1622	1608	480	8	120	509.35	3.25	2.92	6.07
44	1060	1046	988.58	8	120	69.41	0.44	0.15	0.15
440	1597	1579	1,432.60	8	120	158.16	1.01	1	0.7
441	1567	1579	688.55	6	120	-32.27	0.37	0.1	0.15
442	1561	1567	492.07	12	120	-40.81	0.12	0	0.01
443	1577	1574	478.55	6	120	43.25	0.49	0.12	0.26
444	1600	1570	1,683.73	6	120	39.02	0.44	0.36	0.21
445	1507	1511	100.78	10	120	3.12	0.01	0	0
446	1507	1479	708.18	6	120	0	0	0	0
447	1511	1512	160.34	10	120	0	0	0	0
448	1511	1515	208.75	10	120	0.27	0	0	0
449	1510	1507	488.93	8	120	3.12	0.02	0	0
45	1062	1060	32.84	10	120	69.41	0.28	0	0.05
450	1510	1481	811.26	10	120	0	0	0	0
451	1656	1602	1,963.01	18	120	541.59	0.68	0.26	0.13
452	1592	1566	1,770.77	6	120	11.18	0.13	0.04	0.02
453	1571	1572	218.9	4	120	17.76	0.45	0.08	0.36
454	1576	1578	284.33	4	120	18.36	0.47	0.11	0.38
455	1583	1586	148.97	4	120	7.41	0.19	0.01	0.07
456	1566	1571	218.7	10	120	5.61	0.02	0	0
457	1571	1576	220.34	10	120	-13.34	0.05	0	0
458	1584	1585	33.28	10	120	9.49	0.04	0	0
459	2307	2309	263.86	6	120	3.91	0.04	0	0
46	1054	1048	1,537.07	8	120	0	0	0	0
460	2280	10018	1,821.88	10	120	140.33	0.57	0.34	0.19
461	2245	2229	1,025.49	8	120	-294.46	1.88	2.26	2.2
462	2270	2245	1,698.70	8	120	-289.93	1.85	3.63	2.14
463	2274	2270	1,035.58	8	120	-147.81	0.94	0.64	0.61
464	2278	2274	1,523.88	8	120	-57.77	0.37	0.16	0.11
465	2289	2279	806.91	8	120	-53.43	0.34	0.08	0.09
466	2265	2263	771.64	8	120	3.98	0.03	0	0
467	2238	2230	256.23	8	120	74.76	0.48	0.04	0.17
468	2457	2454	94.98	8	120	-295.38	1.89	0.21	2.21
469	2353	2348	50.25	6	120	13.05	0.15	0	0.03
47	1080	1054	1,864.28	8	120	155.33	0.99	1.26	0.67
470	2348	2335	474.71	6	120	3.33	0.04	0	0
471	2358	2353	181.18	6	120	15.78	0.18	0.01	0.04
472	2358	2330	1,080.38	8	120	-25.52	0.16	0.03	0.02
473	2398	2402	113.56	20	120	3,320.11	3.39	0.26	2.25
474	2395	2369	2,156.96	20	120	-3,444.57	3.52	5.2	2.41
475	2369	2366	629.29	20	120	-3,477.55	3.55	1.55	2.46
476	2366	2362	288.45	20	120	1,259.61	1.29	0.11	0.37
477	1322	1318	198.27	14	120	-80.4	0.17	0	0.01
478	1318	1310	456.14	14	120	-113.39	0.24	0.01	0.02
479	1310	1289	944.95	14	120	-429.78	0.9	0.27	0.29
48	1063	1080	1,330.62	10	120	364.24	1.49	1.46	1.1
480	1289	1281	555.77	14	120	-680.5	1.42	0.38	0.68
481	1322	1327	389.31	14	120	-208.8	0.44	0.03	0.08
482	1311	1323	689.16	8	120	-44.25	0.28	0.05	0.07
483	1310	1311	689.69	8	120	304.66	1.94	1.62	2.34
484	1323	1322	731.7	8	120	-289.2	1.85	1.56	2.13
485	1358	1338	1,994.17	6	120	131.51	1.49	4.01	2.01
486	195	173	1,111.10	6	120	83.94	0.95	0.97	0.87
487	173	162	130.27	8	120	74.72	0.48	0.02	0.17
488	195	170	1,535.36	6	120	-352.45	4	19.14	12.47
49	1062	1063	395.54	10	120	385.73	1.58	0.48	1.22
490	17	16	1,336.74	8	120	1.19	0.01	0	0
491	21	17	412.54	8	120	1.19	0.01	0	0
492	1224	1225	1,464.22	10	120	263.06	1.07	0.88	0.6
493	1258	1256	321.06	12	120	17.67	0.05	0	0
494	1237	1242	12.29	10	120	67.73	0.28	0	0.05

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
495	567	547	791.91	6	120	4.73	0.05	0	0
496	596	567	917.65	6	120	15.58	0.18	0.04	0.04
497	751	766	216.59	8	120	-8.83	0.06	0	0
498	683	765	2,057.42	8	120	-149.18	0.95	1.29	0.62
499	705	727	732.25	8	120	27.22	0.17	0.02	0.03
5	1107	1124	1,931.42	6	120	20.72	0.24	0.13	0.07
50	1067	1064	30.91	10	120	-170.9	0.7	0.01	0.27
500	705	681	631.56	8	120	32.26	0.21	0.02	0.04
5001D	5001	10094	1	8	120	0	0	0	0
5001U	2612	5001	1	8	120	0	0	0	0
5003D	5003	10096	1	8	120	0	0	0	0
5003U	2610	5003	1	8	120	0	0	0	0
5005D	5005	2553	1	6	120	0	0	0	0
5005U	10098	5005	1	6	120	0	0	0	0
5009D	5009	10102	1	10	120	587.24	2.4	0	2.69
5009U	2415	5009	1	10	120	587.24	2.4	0	2.69
501	683	632	1,115.56	8	120	19.42	0.12	0.02	0.01
5011D	5011	10104	1	12	120	387.67	1.1	0	0.61
5011U	2416	5011	1	12	120	387.67	1.1	0	0.49
5013D	5013	10106	1	10	120	387.66	1.58	0	1.22
5013U	2417	5013	1	10	120	387.66	1.58	0	1.22
5015D	5015	2414	1	10	120	0	0	0	0
5015U	2413	5015	1	10	120	0	0	0	0
5017D	5017	10108	1	8	120	0	0	0	0
5017U	2065	5017	1	8	120	0	0	0	0
5019D	5019	10110	1	8	120	0	0	0	0
5019U	2061	5019	1	8	120	0	0	0	0
502	682	683	221.36	8	120	-118.16	0.75	0.09	0.41
5021D	5021	10112	1	8	120	0	0	0	0
5021U	2058	5021	1	8	120	0	0	0	0
5023D	5023	10114	1	8	120	0	0	0	0
5023U	2055	5023	1	8	120	0	0	0	0
5025D	5025	10116	1	8	120	0	0	0	0
5025U	2356	5025	1	8	120	0	0	0	0
5027D	5027	10118	1	8	120	0	0	0	0
5027U	2350	5027	1	8	120	0	0	0	0
5029D	5029	10120	1	8	120	0	0	0	0
5029U	2343	5029	1	8	120	0	0	0	0
503	682	705	421.34	8	120	76	0.49	0.08	0.18
5031D	5031	2318	1	10	120	0	0	0	0
5031U	10122	5031	1	10	120	0	0	0	0
5035D	5035	2315	1	16	120	0	0	0	0
5035U	10126	5035	1	16	120	0	0	0	0
5037D	5037	10130	1	12	120	0	0	0	0
5037U	10128	5037	1	12	120	0	0	0	0
504	649	682	786.19	8	120	-32.9	0.21	0.03	0.04
5045D	5045	1822	1	12	120	0	0	0	0
5045U	8704	5045	1	12	120	0	0	0	0
505	631	649	451.7	8	120	-120.14	0.77	0.19	0.42
506	717	649	1,831.84	8	120	108.37	0.69	0.63	0.35
507	717	719	325.54	8	120	5.24	0.03	0	0
508	717	716	385.03	8	120	11.9	0.08	0	0.01
509	748	717	697.4	8	120	130.84	0.84	0.34	0.49
51	1100	1099	54.42	12.1	120	-334.77	0.93	0.02	0.37
510	748	745	437.79	8	120	9	0.06	0	0
511	763	748	561.45	8	120	154.26	0.98	0.37	0.66
512	631	611	458.14	18	120	-177.61	0.22	0.01	0.02
513	637	631	409.18	18	120	-283.3	0.36	0.02	0.04
514	640	637	45.4	18	120	-283.3	0.36	0	0.04
515	564	545	731.05	6	120	25.46	0.29	0.07	0.1
516	550	564	476.95	18	120	-1,069.85	1.35	0.22	0.46
517	546	534	350.34	6	120	4.47	0.05	0	0
518	540	522	832.71	6	120	2.58	0.03	0	0
519	2267	2275	1,760.44	16	120	-1,210.54	1.93	1.82	1.03
52	1099	1074	1,871.85	12	120	-734.1	2.08	3.1	1.66
520	2590	2589	1,410.08	14	120	-10.38	0.02	0	0

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
521	2499	2500	97.08	6	120	15.69	0.18	0	0.04
522	2484	2483	87.5	8	120	168.38	1.07	0.07	0.78
523	2535	2534	1,321.99	8	120	55.79	0.36	0.13	0.1
524	2527	2496	1,422.15	8	120	-15.06	0.1	0.01	0.01
525	2568	2527	1,360.91	8	120	-7.46	0.05	0	0
526	2565	2558	1,581.25	18	120	-15.01	0.02	0	0
527	1974	1973	30.18	12	120	-137.89	0.39	0	0.07
528	1973	RICECYN_TNK	9.42	12	120	-339.92	0.96	0	0.4
529	1974	1973	14.88	12	120	-202.02	0.57	0	0.15
53	1100	1103	732.07	8	120	142.73	0.91	0.42	0.58
530	1975	1974	10.19	12	120	-339.92	0.96	0	0.41
531	2009	2032	811.46	16	120	-231.19	0.37	0.04	0.05
532	2592	2546	2,210.90	8	120	-86.6	0.55	0.5	0.23
533	2536	2538	1,295.29	8	120	109.36	0.7	0.46	0.35
534	942	943	457.12	12	120	180.96	0.51	0.06	0.12
535	941	940	275.91	6	120	3.48	0.04	0	0
536	2510	U-1_TNK_2	5.59	10	120	-272.34	1.11	0	0.65
537	2511	2512	2.49	10	120	272.34	1.11	0	0.64
538	2511	2510	25.68	10	120	-105.81	0.43	0	0.11
539	2511	2510	11.09	10	120	-166.53	0.68	0	0.25
54	1035	1032	745.48	8	120	103.29	0.66	0.24	0.32
540	2521	2512	116.96	12	120	-272.34	0.77	0.03	0.26
541	2519	2518	1.85	12	120	0	0	0	0
542	2517	2514	4.62	12	120	0	0	0	0
543	2516	2514	3.91	12	120	0	0	0	0
544	2519	2517	3.91	12	120	0	0	0	0
545	959	963	695.33	8	120	19.95	0.13	0.01	0.02
546	963	964	81.02	8	120	5.35	0.03	0	0
547	957	2074	1,095.38	8	120	-392.59	2.51	4.11	3.75
548	2074	2085	235.23	8	120	-397.71	2.54	0.9	3.84
549	2037	2035	1,270.68	8	120	0	0	0	0
55	1038	1035	25.5	8	120	111.72	0.71	0.01	0.37
550	488	100148	480.22	20	120	2,101.71	2.15	0.46	0.97
551	523	517	1,334.42	8	120	-15.23	0.1	0.01	0.01
552	462	463	5.13	14	120	-2.71	0.01	0	0
553	462	459	18.57	14	120	0	0	0	0
554	457	460	1,446.48	6	120	-2.71	0.03	0	0
555	469	465	51.01	8	120	-62.57	0.4	0.01	0.12
556	465	464	7.56	12	120	-48.95	0.14	0	0.01
557	473	100146	154.86	20	120	0	0	0	0
558	492	469	509.22	8	120	-62.57	0.4	0.06	0.13
559	464	463	23.48	14	120	16.33	0.03	0	0
56	1050	1038	783.83	8	120	179.98	1.15	0.69	0.88
560	471	464	184.78	14	120	65.27	0.14	0	0.01
561	459	444	475.97	20	120	2,093.56	2.14	0.46	0.96
562	460	448	487.87	14	120	0	0	0	0
563	458	452	429.41	6	120	3.68	0.04	0	0
564	476	458	1,789.44	6	120	6.59	0.07	0.01	0.01
565	476	454	619.81	6	120	18.2	0.21	0.03	0.05
566	476	456	383.09	6	120	23.73	0.27	0.03	0.08
567	480	479	4	20.1	120	0	0	0	0
568	482	481	3.14	14.1	120	0	0	0	0
569	711	688	336.16	10	120	-94.91	0.39	0.03	0.09
57	1061	1050	678.79	8	120	206.04	1.32	0.77	1.14
570	1885	1883	410.26	14	120	1,282.26	2.67	0.9	2.2
571	1882	10012	582.54	14	120	1,256.21	2.62	1.23	2.12
572	737	736	57.59	10	120	52.18	0.21	0	0.03
573	1881	1883	98.28	14.1	120	-13.66	0.03	0	0
574	1881	1914	1,552.76	8	120	7.51	0.05	0	0
575	736	757	680.19	6	120	75.66	0.86	0.49	0.72
576	100160	1822	18.14	8	120	-191.5	1.22	0.02	0.99
579	1200	1193	306.57	6	120	25.73	0.29	0.03	0.1
58	1084	1083	105.85	8	120	-0.44	0	0	0
580	1193	1191	108.85	6	120	17.06	0.19	0.01	0.05
581	1193	1194	337.13	6	120	7	0.08	0	0.01
582	1195	2668	699.55	8	120	132.48	0.85	0.35	0.5

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583	1205	1183	1,859.23	16	120	-1,834.16	2.93	4.14	2.23
584	1163	1162	220.27	8	120	28.57	0.18	0.01	0.03
585	28	20	735.3	12	120	0	0	0	0
586	39	36	110.42	8	120	4.86	0.03	0	0
587	24	23	413.84	8	120	-169.44	1.08	0.33	0.79
588	2489	2473	240.8	12	120	6.51	0.02	0	0
589	2463	2462	1,002.68	6	120	1.27	0.01	0	0
59	1083	1091	2,159.78	8	120	22.84	0.15	0.04	0.02
590	2459	2461	63.45	18	120	216.4	0.27	0	0.02
591	2483	2480	657.24	8	120	165.17	1.05	0.5	0.75
592	2500	2498	725.64	6	120	4	0.05	0	0
593	2534	2499	1,334.90	8	120	-27.61	0.18	0.04	0.03
595	2361	2357	208.93	6	120	10.93	0.12	0	0.02
596	2526	2535	338.91	8	120	140.79	0.9	0.19	0.56
597	2526	2481	2,365.62	12	120	-224.06	0.64	0.44	0.18
598	2150	8658	2,399.44	8	120	-49.08	0.31	0.19	0.08
599	2234	2225	200.4	6	120	28.33	0.32	0.02	0.12
6	1114	1109	631.36	12	120	-343.55	0.97	0.26	0.41
60	1087	1081	511.32	12	120	2.98	0.01	0	0
600	2139	2156	691.14	16	120	-991.73	1.58	0.49	0.71
601	2014	2010	44.98	16	120	-71.86	0.11	0	0.01
602	2184	2182	376.52	8	120	348.34	2.22	1.13	3.01
603	2132	2077	2,963.09	8	120	0	0	0	0
604	2202	2195	358.89	8	120	-545.46	3.48	2.47	6.89
605	2224	2232	289.86	16	120	-1,397.60	2.23	0.39	1.35
606	2074	2037	1,125.68	8	120	0	0	0	0
607	998	997	109.41	8	120	34.08	0.22	0	0.04
608	987	986	601.83	8	120	-30.58	0.2	0.02	0.03
609	1005	998	563.49	8	120	60.65	0.39	0.07	0.12
61	1086	1087	33.96	12	120	337.63	0.96	0.01	0.39
610	997	990	868.61	8	120	18.26	0.12	0.01	0.01
611	990	977	221.17	8	120	-19.57	0.12	0	0.01
612	977	967	1,093.57	8	120	0	0	0	0
613	967	969	314.13	8	120	13.6	0.09	0	0.01
614	977	987	719.73	8	120	-22.41	0.14	0.01	0.02
615	987	989	46.74	8	120	7.31	0.05	0	0
616	998	1002	442.61	6	120	25.01	0.28	0.04	0.09
619	990	994	1,111.95	6	120	30.19	0.34	0.15	0.13
62	1089	1087	145.42	12	120	-334.66	0.95	0.06	0.39
620	191	189	1,046.98	6	120	104.71	1.19	1.38	1.32
621	217	184	2,037.01	12	120	-344.63	0.98	0.83	0.41
622	513	512	2.5	6	120	4.21	0.05	0	0
623	529	505	929.55	6	120	59.76	0.68	0.43	0.47
624	241	240	27.5	6	120	0	0	0	0
625	237	241	28.16	6	120	311.01	3.53	0.28	9.89
626	239	10196	26.37	6	120	311.01	3.53	0.26	9.89
628	236	239	49.42	6	120	311.01	3.53	0.49	9.89
629	246	236	576.39	14	120	-551.33	1.15	0.27	0.46
63	1093	2676	304.08	8	120	3.62	0.02	0	0
630	241	235	455.84	6	120	309.91	3.52	4.48	9.83
631	236	2646	1,709.96	14	120	-862.34	1.8	1.8	1.05
632	749	689	1,332.32	8	120	-26.93	0.17	0.03	0.03
633	764	749	454.82	6	120	-12.02	0.14	0.01	0.02
634	753	767	258.07	8	120	-30.44	0.19	0.01	0.03
635	262	286	536.02	20	120	462.24	0.47	0.03	0.06
636	262	258	5.62	20	120	-466.44	0.48	0	0.07
637	263	262	6.53	2	120	-4.21	0.43	0	0.72
639	265	264	3.72	2	120	-4.21	0.43	0	0.72
64	1055	2678	418.37	8	120	14.4	0.09	0	0.01
640	261	265	8.28	2	120	-4.21	0.43	0.01	0.72
641	259	258	8.34	8	120	0	0	0	0
643	261	260	4.07	8	120	0	0	0	0
644	267	269	305.33	8	120	0	0	0	0
645	257	258	107.18	20	120	466.44	0.48	0.01	0.06
646	272	267	408.43	8	120	-3.56	0.02	0	0
647	753	750	304.59	8	120	6.45	0.04	0	0

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
648	261	267	19.19	8	120	4.21	0.03	0	0
649	729	753	646.97	6	120	-19.7	0.22	0.04	0.06
65	1053	2682	329.74	8	120	6.38	0.04	0	0
650	659	10042	75.05	6	120	53.45	0.61	0.03	0.38
651	592	590	29.96	6	120	2.5	0.03	0	0
652	1363	10172	17.84	12	120	0	0	0	0
654	1362	1363	24.21	24	120	0	0	0	0
655	1364	10168	50.51	10	120	-99.25	0.41	0.01	0.1
656	1364	1367	101.34	20	120	-509.78	0.52	0.01	0.07
657	1366	1364	22.67	10	120	-609.03	2.49	0.06	2.85
658	1366	1368	37.34	12	120	-41.27	0.12	0	0.01
659	1353	1366	1,315.42	12	120	-650.3	1.84	1.74	1.32
66	1053	1052	75.58	8	120	3.68	0.02	0	0
660	1367	1361	148.16	24	120	99.25	0.07	0	0
661	1370	1367	236.95	24	120	805.44	0.57	0.02	0.07
662	1361	1362	28.54	24	120	99.25	0.07	0	0
663	1399	1368	1,665.30	6	120	41.27	0.47	0.39	0.23
664	223	219	47.84	16	120	-621.5	0.99	0.01	0.3
665	314	223	3,304.77	16	120	57.58	0.09	0.01	0
666	219	218	1,334.65	16	120	-456.71	0.73	0.23	0.17
667	221	223	57.07	12	120	-679.08	1.93	0.08	1.44
668	224	221	2,351.18	12	120	-417.33	1.18	1.37	0.58
669	219	159	3,553.17	16	120	-164.79	0.26	0.09	0.03
67	1055	1053	200.34	8	120	10.37	0.07	0	0
670	614	612	783.36	6	120	23.65	0.27	0.07	0.08
671	514	487	817.38	10	120	-227.87	0.93	0.38	0.46
672	330	307	407.59	8	120	77.89	0.5	0.08	0.19
673	332	330	29.67	4	120	77.89	1.99	0.16	5.49
674	338	336	27.34	2	120	77.89	7.95	4.39	160.57
675	337	338	10.77	6	120	0	0	0	0
677	472	470	19.64	12	120	-488.52	1.39	0.02	0.78
678	333	335	9.3	6	120	0	0	0	0
679	330	333	8.88	6	120	0	0	0	0
68	1059	1055	144.77	8	120	26.78	0.17	0	0.03
680	334	332	7.67	2	120	77.89	7.95	1.23	160.57
682	389	391	2.48	30.1	120	0	0	0	0
683	388	380	432.11	36	120	2,215.04	0.7	0.03	0.06
684	467	450	761.94	4	120	4.07	0.1	0.02	0.02
685	509	500	432.83	4	120	-3.54	0.09	0.01	0.02
686	496	503	242.13	6	120	1.09	0.01	0	0
687	410	2626	899.16	24	120	-1,800.00	1.28	0.27	0.3
688	411	409	48.52	14	120	-859.27	1.79	0.05	1.05
689	414	412	30.52	22	120	-1,800.00	1.52	0.01	0.46
69	1058	1059	422.68	12	120	-1,209.38	3.43	1.77	4.18
690	409	410	4.9	20	120	-1,800.00	1.84	0	0.72
691	408	407	2.89	18	120	0	0	0	0
692	497	496	270.58	4	120	5.78	0.15	0.01	0.04
693	411	408	10.41	18	120	-940.73	1.19	0	0.36
694	412	411	1.87	18	120	-1,800.00	2.27	0	1.21
695	409	408	37.97	14	120	940.73	1.96	0.05	1.24
696	407	363	750.51	20	120	0	0	0	0
697	493	494	278.15	4	120	27.02	0.69	0.21	0.77
698	589	572	671.31	8	120	18.54	0.12	0.01	0.01
7	1113	1101	1,769.86	12	120	-743.62	2.11	3.01	1.7
70	1057	1061	2,032.35	12	120	-1,236.16	3.51	8.85	4.35
703	613	600	208.47	6	120	-30.85	0.35	0.03	0.14
704	630	627	190.76	6	120	-20.14	0.23	0.01	0.06
705	635	620	364.78	6	120	-7.64	0.09	0	0.01
706	789	785	105.15	6	120	-88.93	1.01	0.1	0.97
707	771	769	53.76	6	120	22.87	0.26	0	0.08
708	770	771	76.84	12	120	-770.18	2.18	0.14	1.81
709	820	819	167.67	6	120	59.67	0.68	0.08	0.46
71	1085	1086	136.47	12	120	340.48	0.97	0.05	0.4
710	826	820	455.94	6	120	-36.02	0.41	0.08	0.18
711	834	826	542.54	6	120	-26.77	0.3	0.06	0.11
712	817	829	333.92	6	120	-9.18	0.1	0	0.01

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713	822	829	495.61	6	120	-1.32	0.01	0	0
714	1912	1899	418.19	8	120	33.08	0.21	0.02	0.04
715	1897	10010	17.93	6	120	-5.03	0.06	0	0
716	1930	1898	1,066.03	8	120	-59.07	0.38	0.12	0.11
717	1889	1855	879.41	8	120	-79.95	0.51	0.17	0.2
718	1908	1889	829.9	8	120	-38.82	0.25	0.04	0.05
719	1928	1918	955.04	8	120	8.93	0.06	0	0
72	903	906	678.24	8	120	8.67	0.06	0	0
720	1740	1731	846.24	6	120	-58.41	0.66	0.38	0.45
721	1732	1755	922.62	6	120	-105.96	1.2	1.24	1.35
722	1736	1735	165.75	6	120	-16.81	0.19	0.01	0.04
723	1748	1728	692.76	8	120	22.49	0.14	0.01	0.02
724	107	111	18.64	3	120	9.7	0.44	0.01	0.47
725	2450	2449	10.06	12	120	0	0	0	0
726	2449	2448	16.74	12	120	0	0	0	0
727	2448	8536	10.34	4	120	0	0	0	0
728	2452	8031	5.08	8	120	0	0	0	0
729	2414	2421	17.04	6	120	0	0	0	0
73	906	911	427.03	8	120	-28.02	0.18	0.01	0.03
730	2421	2428	27.13	8	120	0	0	0	0
732	2420	2429	27.62	8	120	587.24	3.75	0.22	7.91
734	2418	2430	27.73	8	120	387.67	2.47	0.1	3.66
736	2419	2431	27.84	8	120	387.66	2.47	0.1	3.67
737	2446	8028	6.62	8	120	0	0	0	0
738	2447	8026	7.43	8	120	0	0	0	0
74	1095	2672	274.75	8	120	-90.26	0.58	0.07	0.25
741	2604	2605	31.13	14	120	0	0	0	0
742	2605	2606	16.28	14	120	0	0	0	0
743	2607	100002	19.26	14	120	0	0	0	0
744	2545	2547	11.34	8	120	0	0	0	0
745	2549	2547	18	3	120	0	0	0	0
746	2553	2554	14.43	4	120	0	0	0	0
747	644	646	36.88	10	120	125.05	0.51	0.01	0.15
75	1096	1095	228.35	12	120	-415.7	1.18	0.13	0.58
750	2319	2321	3.14	20	120	0	0	0	0
751	2321	2324	8.24	20	120	0	0	0	0
754	1608	1604	348.04	8	120	501.44	3.2	2.05	5.9
755	1604	1599	128.56	8	120	490.21	3.13	0.73	5.66
756	1599	1593	451.28	18	120	1,882.47	2.37	0.59	1.32
757	1680	1622	1,419.51	8	120	513.89	3.28	8.76	6.17
758	1608	1610	320.91	6	120	6.12	0.07	0	0.01
759	1604	1607	351.04	6	120	6.61	0.07	0	0.01
76	1101	1096	899.47	12	120	-293.78	0.83	0.27	0.3
760	1660	1677	298.7	10	120	45.62	0.19	0.01	0.02
761	1677	1691	335.56	10	120	27.91	0.11	0	0.01
762	1406	1403	415.45	10	120	-333.26	1.36	0.39	0.93
763	1403	1402	185.57	10	120	0	0	0	0
764	1394	1397	3,822.85	8	120	-93.52	0.6	1.01	0.26
765	1376	10035	1,375.61	24	120	-1,914.58	1.36	0.46	0.33
766	1371	1374	1,133.94	24	120	-2,075.84	1.47	0.44	0.39
767	1360	1353	2,620.50	10	120	-188.64	0.77	0.85	0.33
768	1358	1360	710.67	6	120	-135.1	1.53	1.5	2.11
769	1395	1401	321.21	6	120	26.09	0.3	0.03	0.1
77	1082	1077	419.42	12	120	-712.79	2.02	0.66	1.57
770	1371	1386	247.25	8	120	143.88	0.92	0.14	0.58
771	1380	1375	148.94	6	120	25.93	0.29	0.01	0.1
772	1399	1398	275.7	6	120	7.88	0.09	0	0.01
773	285	254	930.8	8	120	30.6	0.2	0.03	0.03
774	321	256	1,281.14	12	120	-413.97	1.17	0.74	0.57
775	176	180	188.09	6	120	59.51	0.68	0.09	0.46
776	176	185	932.68	6	120	82.19	0.93	0.78	0.84
777	218	238	601.69	8	120	16.32	0.1	0.01	0.01
778	282	250	569.96	12	120	137.22	0.39	0.04	0.07
779	217	212	51.6	12	120	390.63	1.11	0.03	0.52
78	1	1101	443.18	8	120	-261.08	1.67	0.78	1.76
780	218	2652	911.53	16	120	-486.57	0.78	0.17	0.19

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781	213	214	524.78	16	120	-144.3	0.23	0.01	0.02
782	1327	1341	1,321.58	12	120	-219.74	0.62	0.23	0.18
783	800	802	20.16	8	120	-43.37	0.28	0	0.06
784	806	800	602.84	8	120	-35.16	0.22	0.03	0.04
785	806	804	231.43	8	120	126.54	0.81	0.11	0.46
786	812	806	235.68	8	120	98.23	0.63	0.07	0.29
787	821	812	428.88	8	120	109.77	0.7	0.15	0.35
788	846	845	915.45	10	120	10.27	0.04	0	0
789	844	843	931.7	10	120	-0.16	0	0	0
79	8	1	640.98	8	120	-245.37	1.57	1.01	1.57
790	779	765	460.82	8	120	150.93	0.96	0.29	0.64
791	779	766	332.94	8	120	21.61	0.14	0.01	0.02
792	788	763	828.28	8	120	166.39	1.06	0.63	0.76
793	841	10053	584.99	14	120	2,292.37	4.78	3.77	6.45
795	813	814	63.66	14	120	-1,660.78	3.46	0.23	3.55
796	816	813	975.45	14	120	-1,640.73	3.42	3.39	3.47
797	764	773	196.86	6	120	6.83	0.08	0	0.01
798	811	2634	526.89	14	120	573.99	1.2	0.26	0.5
799	818	811	277.85	14	120	582.49	1.21	0.14	0.51
8	14	710	632.8	8	120	-204.63	1.31	0.71	1.12
80	8	13	598.78	8	120	8.07	0.05	0	0
800	838	840	123.51	6	120	4.63	0.05	0	0
801	2478	2456	1,085.68	10	120	-33.13	0.14	0.01	0.01
802	2479	2478	511.81	6	120	-12.78	0.15	0.01	0.03
803	2525	2513	225.43	8	120	4.18	0.03	0	0
8030	2627	2629	117.35	16	120	1,800.00	2.87	0.25	2.15
804	2525	2543	434.73	8	120	3.05	0.02	0	0
805	2527	2525	724.12	8	120	7.23	0.05	0	0
806	2575	2568	124.73	8	120	-3.09	0.02	0	0
807	2486	2485	37.75	18	120	-215.5	0.27	0	0.03
808	2488	2486	99.68	18	120	-144.03	0.18	0	0.01
809	2501	2488	1,346.79	18	120	-123.17	0.16	0.01	0.01
81	12	700	54.18	8	120	-221.51	1.41	0.07	1.3
810	2557	2501	1,501.72	18	120	-121.63	0.15	0.01	0.01
811	2558	2537	1,008.96	18	120	-112.64	0.14	0.01	0.01
812	2559	2562	193.7	6	120	0.24	0	0	0
813	2573	2578	391.29	6	120	5.94	0.07	0	0.01
814	2608	2619	285.77	8	120	-8.46	0.05	0	0
815	2619	2603	1,615.10	8	120	-61.75	0.39	0.2	0.12
816	2623	2603	1,304.82	8	120	-3.92	0.03	0	0
817	2585	2595	1,429.46	6	120	-5.48	0.06	0.01	0.01
818	2600	2587	497.38	8	120	-0.26	0	0	0
819	2586	2587	147.26	8	120	-0.64	0	0	0
82	2	7	461.29	8	120	-25.53	0.16	0.01	0.02
821	20011	416	162.07	20	120	2,243.27	2.29	0.18	1.09
823	444	8652	1,785.69	20	120	2,093.56	2.14	1.71	0.96
824	451	447	170.58	12	120	-829.15	2.35	0.35	2.08
825	453	451	36.43	12	120	-829.15	2.35	0.08	2.08
826	470	453	489.87	12	120	-801.49	2.27	0.96	1.95
827	453	433	992.18	10	120	24.04	0.1	0.01	0.01
828	643	642	180.41	12	120	-135.72	0.39	0.01	0.07
829	438	MORRO_TNK	1,609.45	16	120	-837.02	1.34	0.84	0.52
83	3	2	223.28	8	120	-40.84	0.26	0.01	0.06
830	448	435	1,780.35	14	120	-1.42	0	0	0
831	1420	1421	39.62	16	120	-880.33	1.4	0.02	0.57
832	1421	HUTTON_TNK	13.23	20	120	-3,365.61	3.44	0.03	2.31
833	1420	1421	17.19	20	120	-2,485.28	2.54	0.02	1.32
834	1407	1420	1,952.16	16	120	-3,360.45	5.36	13.34	6.83
835	491	488	22.08	8	120	-8.8	0.06	0	0
836	488	501	1,320.71	20	120	-2,117.12	2.16	1.29	0.98
837	492	491	7.7	8	120	0	0	0	0
838	474	475	29.27	14.1	120	0	0	0	0
839	477	478	29.29	14.1	120	0	0	0	0
84	4	3	64.42	8	120	-40.84	0.26	0	0.06
840	482	483	18.44	14.1	120	0	0	0	0
841	483	10130	20.68	14.1	120	0	0	0	0

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842	472	2658	744.01	14	120	129.27	0.27	0.02	0.03
843	508	445	1,646.66	8	120	15.89	0.1	0.02	0.01
844	516	476	1,246.92	8	120	61.33	0.39	0.15	0.12
845	524	498	1,498.63	6	120	39.21	0.44	0.32	0.21
846	595	596	909.54	18	120	-1,289.56	1.63	0.59	0.65
847	611	595	410.91	18	120	-177.61	0.22	0.01	0.02
848	564	595	1,373.94	18	120	-1,104.77	1.39	0.67	0.49
849	524	516	833.27	8	120	229.66	1.47	1.16	1.39
85	1048	1051	586.54	8	120	0	0	0	0
8500	607	100182	30.93	12.1	120	7.95	0.02	0	0
8510	604	8510	31.83	12	120	0	0	0	0
8514	8514	108	4.96	4	120	0	0	0	0
8518	8518	104	14.42	3	120	5.47	0.25	0	0.16
852	605	604	57.06	12	120	-205.3	0.58	0.01	0.16
8520	372	374	30.96	6	120	29.3	0.33	0	0.12
8522	1411	8522	54.32	8	120	0	0	0	0
8524	8520	1412	49.88	8	120	0	0	0	0
8526	1746	1745	18.65	16	120	-1,588.22	2.53	0.03	1.71
853	524	531	766.43	8	120	28.63	0.18	0.02	0.03
854	642	1642	1,522.41	12	120	-136.53	0.39	0.11	0.07
855	604	607	61.59	12	120	0	0	0	0
8552	118	8526	684.32	8	120	62.49	0.4	0.09	0.12
8554	8526	8532	1,606.90	8	120	-301.12	1.92	3.69	2.29
8556	8528	114	938.78	16	120	-1,478.18	2.36	1.4	1.49
8558	8528	8534	1,494.56	8	120	-195.49	1.25	1.54	1.03
856	607	659	1,148.22	12	120	-13.28	0.04	0	0
8560	8530	1164	38.31	12	120	516.49	1.47	0.03	0.87
8562	8524	1056	1,267.71	8	120	-34.85	0.22	0.05	0.04
8566	8534	8526	426.9	8	120	-320.47	2.05	1.1	2.57
8568	8534	100124	877.7	8	120	83	0.53	0.19	0.21
857	604	555	1,974.51	12	120	-205.3	0.58	0.31	0.16
8572	8538	2452	4.69	4	120	0	0	0	0
8574	1621	8546	171.65	8	120	-47.7	0.3	0.01	0.08
8576	8540	8542	154.95	8	120	-4.61	0.03	0	0
8578	8542	8544	318.01	8	120	-13.1	0.08	0	0.01
858	535	524	539.75	8	120	358.92	2.29	1.71	3.18
8580	8544	8546	1,063.33	8	120	-18.92	0.12	0.01	0.01
8582	8546	1611	170.74	8	120	-77.84	0.5	0.03	0.19
8584	8550	8554	29.11	12	120	-1,459.50	4.14	0.17	5.92
8586	8550	1646	1,321.69	6	120	26.26	0.3	0.13	0.1
8588	8554	8556	20.88	12	120	-1,555.06	4.41	0.14	6.66
859	563	535	860.49	6	120	-29.9	0.34	0.11	0.13
8590	8556	1631	2,383.73	12	120	-1,555.06	4.41	15.87	6.66
8594	814	8558	955.19	16	120	-1,679.97	2.68	1.81	1.89
8596	8558	805	77.07	16	120	-1,685.58	2.69	0.15	1.9
8598	8560	10056	15.44	16	120	0	0	0	0
86	1094	1090	406.6	6	120	0	0	0	0
860	536	538	1,530.78	20	120	-3,036.12	3.1	2.92	1.91
8602	8564	1441	509.88	8	120	0	0	0	0
861	1471	1470	11.67	18.1	120	0	0	0	0
862	1461	1465	38.17	4	120	0	0	0	0
863	1462	100102	27.96	4	120	0	0	0	0
864	1463	100110	26.61	4	120	-22.94	0.59	0.02	0.57
8652	1879	8568	781.14	8	130	0	0	0	0
8658	8572	8574	7.09	8	120	0	0	0	0
866	1459	1451	175.18	16	120	541.59	0.86	0.04	0.23
8660	8574	1697	23.83	8	120	86.15	0.55	0.01	0.23
8662	8576	8570	6.9	8	120	0	0	0	0
8664	8574	8578	13.05	4	120	-86.15	2.2	0.09	6.61
8666	8580	8576	11.39	4	120	-86.15	2.2	0.08	6.61
867	1458	1459	33.35	16	120	541.59	0.86	0.01	0.23
8676	8590	1110	578.07	8	120	12.74	0.08	0	0.01
868	1469	1468	16.49	10	120	0	0	0	0
8680	8592	1229	3,120.53	14	120	-1,653.56	3.45	10.99	3.52
8686	123	8598	863.6	16	120	1,643.66	2.62	1.57	1.82
869	1478	1471	505.46	18	120	541.59	0.68	0.07	0.13

Pipe Report – Peak Hour Demand Scenario

ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
8694	8604	66	646.77	12	120	-427.19	1.21	0.39	0.61
8696	714	8606	431.61	8	120	5.12	0.03	0	0
87	1033	1031	579.69	8	120	41.45	0.26	0.03	0.06
870	1459	1460	22.48	10	120	0	0	0	0
8708	8616	1601	1,205.31	8	120	270	1.72	2.26	1.87
871	1460	1472	112.03	8	120	0	0	0	0
8716	8618	2277	485.05	12	120	-63.89	0.18	0.01	0.02
872	1460	8564	1,768.11	8	120	0	0	0	0
8724	8622	1873	1,007.69	6	120	354.44	4.02	12.7	12.6
873	556	536	810.85	6	120	-8.63	0.1	0.01	0.01
8732	8624	2581	1,292.33	6	120	83.47	0.95	1.12	0.87
8736	8626	1738	821.77	10	120	582.36	2.38	2.16	2.62
874	535	536	520.64	20	120	-3,027.48	3.09	0.99	1.9
8742	2535	8624	32.99	6	120	84.05	0.95	0.03	0.88
8744	8628	1153	463.58	8	120	24.19	0.15	0.01	0.02
875	566	556	903.1	8	120	-2.04	0.01	0	0
8750	8630	1299	437.54	14	120	-1,307.47	2.72	1	2.28
876	744	707	1,011.07	6	120	9.78	0.11	0.02	0.02
8762	8632	1020	1,534.88	12	120	-423.34	1.2	0.92	0.6
877	1491	1522	816.97	6	120	-577.29	6.55	25.4	31.1
8772	8636	8530	1,041.23	12	120	542.61	1.54	0.99	0.95
878	1486	100114	106.57	6	120	-549.12	6.23	3.02	28.34
8782	8640	1356	475.86	8	120	3.59	0.02	0	0
8784	8642	1573	531.49	18	120	1,860.82	2.35	0.68	1.29
879	1486	1476	1,502.89	8	120	182.72	1.17	1.37	0.91
8792	8652	20011	1,292.02	20	120	2,103.33	2.15	1.25	0.97
8794	8652	20005	16.27	8	120	6.41	0.04	0	0
8796	8654	435	852.24	14	120	-648.19	1.35	0.53	0.62
88	1028	1025	279.35	6	120	42.63	0.48	0.07	0.25
880	1474	1486	695.07	10	120	-337.91	1.38	0.67	0.96
8804	8660	2169	739.98	8	120	-9.76	0.06	0	0
881	769	744	669.72	6	120	20.16	0.23	0.04	0.06
882	760	756	325.26	12	120	-754.15	2.14	0.57	1.74
883	823	815	458.9	14	120	-1,633.61	3.4	1.58	3.44
884	770	756	461.57	12	120	766.12	2.17	0.83	1.79
8842	8682	2071	860.49	20	120	0	0	0	0
885	846	824	1,000.26	10	120	-32.76	0.13	0.01	0.01
886	824	823	7.48	12	120	-1,630.52	4.63	0.05	7.27
8860	8692	1891	1,095.34	8	120	76.08	0.49	0.2	0.18
887	825	818	264.13	12	120	609.64	1.73	0.31	1.18
8870	8660	8042	4.65	8	120	0	0	0	0
8872	1920	8692	19.9	8	120	76.16	0.49	0	0.18
8874	8658	2210	5.34	8	120	-118.1	0.75	0	0.41
888	807	825	1,344.40	12	120	-977.22	2.77	3.79	2.82
8882	8702	1371	447.57	24	120	-1,914.58	1.36	0.15	0.33
8888	82	8634	4.26	14	120	-2,913.07	6.07	0.04	10.05
889	825	824	23.88	12	120	-1,597.76	4.53	0.17	7
8892	8704	100158	947.48	42	120	0	0	0	0
8894	8706	1970	933.44	16	120	-1,407.38	2.25	1.27	1.36
89	1028	1027	19.1	6	120	0	0	0	0
890	693	706	300.35	6	120	10.88	0.12	0.01	0.02
8900	8710	2280	1,118.26	8	120	-4.5	0.03	0	0
891	755	752	822.1	12	120	-721.94	2.05	1.32	1.61
8914	8714	1343	175.45	6	120	-95.78	1.09	0.2	1.12
892	1681	1640	917.79	12	120	90.37	0.26	0.03	0.03
8921	2626	2628	10	16	120	-1,800.00	2.87	0.02	2.15
893	1640	100072	22.72	8	120	0	0	0	0
894	1639	100078	56.47	4	120	-90.36	2.31	0.41	7.22
895	1638	1594	2,029.08	12	120	88.34	0.25	0.07	0.03
896	1638	1636	54.1	3	120	1.01	0.05	0	0.01
897	752	758	275.53	12	120	-727.75	2.06	0.45	1.63
898	754	755	74.75	12	120	-721.94	2.05	0.12	1.61
899	1641	1647	215.22	12	120	-1,717.24	4.87	1.72	8
9	11	15	2,618.05	8	120	-90.53	0.58	0.65	0.25
90	1030	1028	934.82	6	120	42.64	0.48	0.23	0.25
900	1648	1647	33.49	12	120	1,901.83	5.4	0.32	9.67

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
9001D	9001	10134	1	4	120	0	0	0	0
9001U	10132	9001	1	4	120	0	0	0	0
9003D	9003	10138	1	2	120	23.71	2.42	0.02	17.76
9003U	10136	9003	1	2	120	23.71	2.42	0.02	17.76
9009D	9009	8520	1	8	120	0	0	0	0
9009U	8522	9009	1	8	120	0	0	0	0
901	1647	1666	1,055.24	12	120	168.21	0.48	0.11	0.11
9011D	9011	10150	1	6	120	59.87	0.68	0	0.49
9011U	10148	9011	1	6	120	59.87	0.68	0	0.49
9013D	9013	10154	1	6	120	363.03	4.12	0.01	13.18
9013U	10152	9013	1	6	120	363.03	4.12	0.01	13.18
9015D	9015	10156	1	6	120	113.46	1.29	0	1.53
9015U	10158	9015	1	6	120	113.46	1.29	0	1.53
9017D	9017	1290	1	6	120	250.72	2.84	0.01	6.65
9017U	10160	9017	1	6	120	250.72	2.84	0.01	6.65
9019D	9019	10164	1	6	120	0	0	0	0
9019U	10162	9019	1	6	120	0	0	0	0
902	1648	1695	1,749.59	18	120	644.79	0.81	0.32	0.18
9025D	9025	1294	1	4	120	173.05	4.42	0.02	24.11
9025U	10174	9025	1	4	120	173.05	4.42	0.02	24.11
9027D	9027	10176	1	8	120	4.2	0.03	0	0
9027U	10178	9027	1	8	120	4.2	0.03	0	0
9029D	9029	10180	1	6	120	0	0	0	0
9029U	10182	9029	1	6	120	0	0	0	0
903	739	754	1,240.37	12	120	-702.78	1.99	1.9	1.53
9031D	9031	1352	1	8	120	40.83	0.26	0	0.06
9031U	10184	9031	1	8	120	40.84	0.26	0	0.06
9033D	9033	10186	1	2	120	111.04	11.34	0.31	309.63
9033U	10188	9033	1	2	120	111.04	11.34	0.31	309.63
9035D	9035	10190	1	8	120	0	0	0	0
9035U	10192	9035	1	8	120	0	0	0	0
9037D	9037	240	1	6	120	0	0	0	0
9037U	10194	9037	1	6	120	0	0	0	0
9039D	9039	237	1	3	120	311.01	14.12	0.29	289.43
9039U	10196	9039	1	3	120	311.01	14.12	0.29	289.43
904	739	728	96.22	6	120	7.03	0.08	0	0.01
9041D	9041	264	1	2	120	4.21	0.43	0	0.73
9041U	263	9041	1	2	120	4.21	0.43	0	0.73
9043D	9043	260	1	6	120	0	0	0	0
9043U	259	9043	1	6	120	0	0	0	0
9045D	9045	334	1	2	120	77.89	7.95	0.16	160.58
9045U	336	9045	1	2	120	77.89	7.95	0.16	160.58
9047D	9047	335	1	6	120	0	0	0	0
9047U	337	9047	1	6	120	0	0	0	0
9051D	9051	1365	1	12	120	0	0	0	0
9051U	10198	9051	1	12	120	0	0	0	0
9053D	9053	2445	1	24	120	0	0	0	0
9053U	10200	9053	1	24	120	0	0	0	0
9057D	9057	2365	1	16	120	747	1.19	0	0.37
9057U	10204	9057	1	16	120	747	1.19	0	0.37
9059D	9059	2075	1	27	120	0	0	0	0
9059U	10206	9059	1	27	120	0	0	0	0
906	1643	1633	329	8	120	-25.24	0.16	0.01	0.02
9061D	9061	2005	1	16	120	1,268.00	2.02	0	1.1
9061U	10208	9061	1	16	120	1,268.00	2.02	0	1.1
9063D	9063	1784	0.23	18	120	6,445.00	8.13	0	12.75
9063U	10210	9063	0.24	18	120	6,445.00	8.13	0	12.82
9065D	9065	1184	1	24	120	4,298.00	3.05	0	1.46
9065U	10212	9065	1	24	120	4,298.00	3.05	0	1.46
9067D	9067	1066	1	12	120	718	2.04	0	1.59
9067U	10214	9067	1	12	120	718	2.04	0	1.59
9069D	9069	100010	1	2	120	11.99	1.22	0.01	5
9069U	100008	9069	1	2	120	11.99	1.22	0.01	5
907	740	739	114.26	12	120	-694.03	1.97	0.17	1.49
9071D	9071	100014	1	6	120	135.32	1.54	0	2.14
9071U	100012	9071	1	6	120	135.32	1.54	0	2.08

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
9073D	9073	100018	1	8	120	22.2	0.14	0	0
9073U	100020	9073	1	8	120	22.2	0.14	0	0
9075D	9075	2127	1	8	120	0	0	0	0
9075U	100022	9075	1	8	120	0	0	0	0
9077D	9077	100026	1	3	120	0	0	0	0
9077U	100024	9077	1	3	120	0	0	0	0
9079D	9079	100030	1	8	120	0	0	0	0
9079U	100028	9079	1	8	120	0	0	0	0
908	1643	1649	206.18	6	120	3.38	0.04	0	0
9081D	9081	100034	1	2	120	0	0	0	0
9081U	100032	9081	1	2	120	0	0	0	0
9083D	9083	100038	1	8	120	34.26	0.22	0	0
9083U	100036	9083	1	8	120	34.26	0.22	0	0.06
9085D	9085	100042	1	8	120	0	0	0	0
9085U	100040	9085	1	8	120	0	0	0	0
9087D	9087	100046	1	2	120	12.34	1.26	0.01	5.31
9087U	100044	9087	1	2	120	12.34	1.26	0.01	5.31
9089D	9089	100048	1	6	120	0	0	0	0
9089U	100050	9089	1	6	120	0	0	0	0
909	1707	2686	763.43	18	120	12.81	0.02	0	0
9091D	9091	100052	1	2	120	14.97	1.53	0.01	7.57
9091U	100054	9091	1	2	120	14.97	1.53	0.01	7.57
9093D	9093	100058	1	10	120	864.41	3.53	0.01	5.43
9093U	100056	9093	1	10	120	864.41	3.53	0.01	5.43
9097D	9097	8572	1	8	120	0	0	0	0
9097U	8570	9097	1	8	120	0	0	0	0
9099D	9099	8578	1	2.5	120	86.15	5.63	0.07	65.25
9099U	8580	9099	1	2.5	120	86.15	5.63	0.07	65.31
91	1029	1026	804.88	8	120	45.37	0.29	0.06	0.07
910	1645	1644	35.25	6	120	0	0	0	0
9101D	9101	100074	1	8	120	0	0	0	0
9101U	100072	9101	1	8	120	0	0	0	0
9103D	9103	100078	1	4	120	90.36	2.31	0.01	7.26
9103U	100076	9103	1	4	120	90.36	2.31	0.01	7.2
9109D	9109	100090	1	2	120	68.98	7.04	0.13	128.17
9109U	100088	9109	1	2	120	68.98	7.04	0.13	128.23
911	1643	1623	1,211.69	6	120	10.05	0.11	0.02	0.02
9111D	9111	100094	1	6	120	0	0	0	0
9111U	100092	9111	1	6	120	0	0	0	0
9113D	9113	100098	1	10	120	0	0	0	0
9113U	100096	9113	1	10	120	0	0	0	0
9115D	9115	100102	1	2	120	0	0	0	0
9115U	100100	9115	1	2	120	0	0	0	0
9117D	9117	100106	1	10	120	518.65	2.12	0	2.14
9117U	100104	9117	1	10	120	518.64	2.12	0	2.08
9119D	9119	100110	1	2	120	22.94	2.34	0.02	16.69
9119U	100108	9119	1	2	120	22.94	2.34	0.02	16.72
912	1645	100140	13.33	18	120	2.22	0	0	0
9121D	9121	100114	1	6	120	549.12	6.23	0.03	28.38
9121U	100112	9121	1	6	120	549.12	6.23	0.03	28.38
9123D	9123	100116	1	8	120	0	0	0	0
9123U	100118	9123	1	8	120	0	0	0	0
9125D	9125	100120	1	4	120	799.43	20.41	0.41	409.55
9125U	100122	9125	1	4	120	799.43	20.41	0.41	409.55
9127D	9127	100126	1	4	120	0	0	0	0
9127U	1268	9127	1	4	120	0	0	0	0
9129D	9129	100128	1	2	120	0	0	0	0
9129U	1267	9129	1	2	120	0	0	0	0
913	734	740	86.66	12	120	-693.41	1.97	0.13	1.49
9139D	9139	100142	1	8	120	186.91	1.19	0	0.92
9139U	101	9139	1	8	120	186.92	1.19	0	0.98
914	666	650	229.62	6	120	16.97	0.19	0.01	0.05
9141D	9141	100144	1	2	120	224.05	22.88	1.14	1,136.35
9141U	102	9141	1	2	120	224.05	22.88	1.14	1,136.29
9143D	9143	8518	1	3	120	5.47	0.25	0	0.18
9143U	8516	9143	1	3	120	5.47	0.25	0	0.18

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ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
9145D	9145	8512	1	8	120	0	0	0	0
9145U	105	9145	1	8	120	0	0	0	0
9147D	9147	8514	1	2.5	120	0	0	0	0
9147U	103	9147	1	2.5	120	0	0	0	0
9149D	9149	10124	1	6	120	0	0	0	0
9149U	2317	9149	1	6	120	0	0	0	0
915	1678	1664	244.81	18	120	543.36	0.69	0.03	0.13
9151D	9151	8538	1	4	120	0	0	0	0
9151U	8536	9151	1	4	120	0	0	0	0
9153D	9153	1611	1	8	120	95.56	0.61	0	0.24
9153U	8554	9153	1	8	120	95.56	0.61	0	0.24
9155D	9155	8562	1	14	120	0	0	0	0
9155U	8560	9155	1	14	120	0	0	0	0
9159D	9159	2439	1	6	150	0	0	0	0
9159U	2438	9159	1	6	150	0	0	0	0
916	1685	1678	199.66	18	120	505.51	0.64	0.02	0.12
917	1681	2432	88.27	12	120	-128.21	0.36	0.01	0.07
918	1678	1681	27.51	12	120	-37.85	0.11	0	0.01
919	666	665	304.07	6	120	6.74	0.08	0	0.01
92	1030	1029	543.73	8	120	56.42	0.36	0.06	0.1
920	734	666	1,606.51	6	120	52.11	0.59	0.58	0.36
921	1689	1685	65.54	8	120	-52.92	0.34	0.01	0.09
922	1688	1689	47.58	8	120	-32.04	0.2	0	0.04
923	508	516	1,307.98	8	120	-144.55	0.92	0.77	0.59
924	1698	1685	708.07	18	120	558.43	0.7	0.1	0.14
925	1694	1688	1,319.43	12	120	90.8	0.26	0.05	0.03
926	1689	1676	472.93	8	120	18.99	0.12	0.01	0.01
927	508	499	293.35	6	120	11.84	0.13	0.01	0.02
929	636	645	1,022.57	4	120	9.37	0.24	0.11	0.11
93	1032	1030	646.84	8	120	99.06	0.63	0.19	0.29
931	2724	1846	707.99	8	120	-127.22	0.81	0.33	0.47
933	1156	1155	410.62	8	120	-119.26	0.76	0.17	0.41
934	1169	1159	691.96	6	120	-22.5	0.26	0.05	0.08
935	1161	1152	1,162.08	6	120	198.99	2.26	5.03	4.33
936	1150	1149	406.25	8	120	11.29	0.07	0	0.01
937	1152	1151	625.54	6	120	110.11	1.25	0.9	1.45
938	15	14	615.96	12	120	-740.66	2.1	1.04	1.69
939	1115	1120	181.19	8	120	0.27	0	0	0
94	1078	1076	29.13	12	120	-530.84	1.51	0.03	0.91
940	1119	1135	657.64	8	120	16.46	0.11	0.01	0.01
941	1117	1116	109.12	8	120	104.46	0.67	0.04	0.32
942	1125	1126	203.75	8	120	30.32	0.19	0.01	0.03
943	1150	1128	924.13	6	120	92.56	1.05	0.97	1.05
944	2275	2284	1,530.39	16	120	-1,210.54	1.93	1.58	1.03
945	2494	2472	1,893.60	8	110	5.12	0.03	0	0
946	2467	2404	1,450.67	12	110	10.06	0.03	0	0
947	2468	2467	12.11	14	110	-39.89	0.08	0	0
948	2492	2468	933.88	14	110	-38.79	0.08	0	0
949	2493	2492	40.37	14	110	-38.7	0.08	0	0.01
95	1076	GOPHERCYN_TNK	11.05	16	120	-2,486.28	3.97	0.04	3.91
950	2497	2494	595.49	14	110	-31.64	0.07	0	0
951	2528	2497	1,688.98	14	110	-28.42	0.06	0	0
952	2571	2528	2,059.76	14	110	-22.67	0.05	0	0
953	2576	2571	679.25	14	110	-15.26	0.03	0	0
954	2598	2591	458.56	8	110	4.97	0.03	0	0
955	2618	1004	468.4	8	110	11.68	0.07	0	0.01
956	2403	2384	842.31	8	110	1.51	0.01	0	0
957	2588	2590	2,174.08	14	120	-10.38	0.02	0	0
958	2582	2576	715.92	14	110	-15.26	0.03	0	0
959	2599	2582	1,137.44	14	110	-12.72	0.03	0	0
96	1078	1076	10.57	16	120	-1,955.44	3.12	0.03	2.51
960	2594	2601	565.72	14	120	1.36	0	0	0
961	2572	2594	1,201.30	14	120	1.64	0	0	0
962	2560	2572	2,030.87	14	120	7.14	0.01	0	0
963	2560	2588	1,469.10	14	120	-9.99	0.02	0	0
964	1702	1716	304.15	8	120	82.09	0.52	0.06	0.21

Pipe Report – Peak Hour Demand Scenario

ID	From Node	To Node	Length (ft)	Diameter (in)	Roughness	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	HL/1000 (ft/k-ft)
965	1716	1724	441.89	10	120	58.85	0.24	0.02	0.04
966	1710	1711	65.63	6	120	-130.85	1.48	0.13	1.99
967	554	539	612.42	6	120	18.61	0.21	0.03	0.05
968	1674	1669	8.06	10.1	120	1.75	0.01	0	0
969	562	554	436.13	6	120	-14.04	0.16	0.01	0.03
97	1079	1078	11.91	16	120	-2,486.28	3.97	0.05	3.91
970	26	25	71.61	8	120	1.19	0.01	0	0
971	27	26	135.14	8	120	1.19	0.01	0	0
972	20	19	155.65	12	120	0	0	0	0
973	78	71	816.73	10	120	-1,133.44	4.63	7.36	9.01
974	94	78	953.75	6	120	-3	0.03	0	0
975	47	50	297.19	4	120	3.41	0.09	0	0.02
976	46	47	156.68	4	120	9.77	0.25	0.02	0.12
977	53	51	31.24	6	120	0	0	0	0
978	53	60	1,107.21	6	120	-15.35	0.17	0.04	0.04
979	60	61	178.79	6	120	-21.81	0.25	0.01	0.07
98	1079	1073	224.09	16	120	1,026.20	1.64	0.17	0.76
980	69	68	315.45	10	120	-966.1	3.95	2.11	6.7
981	147	148	1,480.58	6	120	65.87	0.75	0.83	0.56
982	161	147	720.97	12	120	-501	1.42	0.59	0.82
983	115	99	3,612.02	10	120	-353.25	1.44	3.76	1.04
984	149	133	827.66	10	120	4.17	0.02	0	0
985	157	156	71.89	12	120	37.87	0.11	0	0.01
986	149	157	694.08	12	120	39.47	0.11	0.01	0.01
987	159	139	837.93	16	120	-164.79	0.26	0.02	0.03
988	1273	10152	1,764.02	6	120	364.92	4.14	23.46	13.3
989	1235	10148	46.63	6	120	59.87	0.68	0.02	0.47
99	1074	1079	330.13	16	120	-1,460.08	2.33	0.48	1.46
990	1249	1235	665.05	6	120	59.87	0.68	0.31	0.47
991	1247	1244	925.69	6	120	22.29	0.25	0.07	0.08
992	2441	10022	38.87	20	120	1,362.56	1.39	0.02	0.43
993	2438	2440	12.06	8	120	0	0	0	0
995	2427	2433	9.09	20	120	0	0	0	0
996	2439	2358	1,921.23	8	120	0	0	0	0
997	953	8020	1,159.11	8	120	0	0	0	0
998	949	953	901.4	8	120	19.83	0.13	0.01	0.01
999	949	2410	1,005.14	12	120	-128.07	0.36	0.07	0.07
P13	2627	419	253.28	24	120	-1,801.12	1.28	0.08	0.3

Sewer Hydraulic Model Output

PDWF – 2035 without Meadowood

ID	Slope	Maximum Flow (gpm)	Maximum d/D	ID	Slope	Maximum Flow (gpm)	Maximum d/D
342	-2.00%	1,576.62	1	9170	0.20%	1,498.99	0.52
938	0.00%	1,543.50	1	9172	0.20%	1,498.34	0.52
995	0.10%	1,747.29	0.81	9174	0.20%	1,495.12	0.52
329	0.10%	1,563.21	0.76	9180	0.20%	1,564.29	0.51
997	0.20%	1,666.00	0.67	9116	0.30%	1,570.92	0.48
998	0.20%	1,660.96	0.67	9118	0.30%	1,566.72	0.48
999	0.20%	1,661.26	0.67	9120	0.30%	1,555.48	0.48
1000	0.20%	1,662.03	0.67	9126	0.30%	1,563.45	0.48
1001	0.20%	1,662.29	0.67	339	0.60%	1,583.49	0.47
1002	0.20%	1,663.03	0.67	1026	0.70%	1,760.39	0.47
1006	0.20%	1,664.21	0.67	9122	0.30%	1,548.72	0.47
1007	0.20%	1,664.46	0.67	9124	0.30%	1,548.72	0.47
1008	0.20%	1,665.45	0.67	9128	0.30%	1,555.89	0.47
1009	0.20%	1,665.67	0.67	9132	0.30%	1,546.14	0.47
1010	0.20%	1,666.68	0.67	9134	0.30%	1,538.79	0.47
1011	0.20%	1,667.08	0.67	9136	0.30%	1,534.67	0.47
1012	0.20%	1,667.72	0.67	9138	0.30%	1,528.48	0.47
1013	0.20%	1,668.28	0.67	9140	0.30%	1,527.71	0.47
1014	0.20%	1,668.91	0.67	9142	0.30%	1,525.27	0.47
1015	0.20%	1,669.42	0.67	9144	0.30%	1,519.60	0.47
1016	0.20%	1,670.06	0.67	9146	0.30%	1,517.57	0.47
1017	0.20%	1,670.19	0.67	9148	0.30%	1,509.54	0.47
1018	0.20%	1,669.82	0.67	9150	0.30%	1,507.28	0.47
1019	0.20%	1,669.14	0.67	9152	0.30%	1,501.52	0.47
1020	0.20%	1,667.79	0.67	9154	0.30%	1,500.52	0.47
1021	0.20%	1,666.75	0.67	1025	0.80%	1,759.91	0.46
341	0.20%	1,580.75	0.65	9076	2.90%	1,563.87	0.46
331	0.20%	1,566.56	0.64	9112	0.40%	1,582.67	0.46
352	0.20%	1,578.31	0.64	9114	0.40%	1,579.04	0.46
996	0.20%	1,665.44	0.63	9156	0.30%	1,496.52	0.46
336	0.20%	1,572.10	0.62	9158	0.30%	1,494.80	0.46
325	0.20%	1,558.78	0.61	9160	0.30%	1,493.45	0.46
326	0.20%	1,559.90	0.61	9162	0.30%	1,490.30	0.46
337	0.20%	1,570.66	0.61	9106	0.40%	1,535.17	0.45
332	0.20%	1,563.12	0.6	9108	0.40%	1,531.66	0.45
323	0.30%	1,553.20	0.59	9110	0.40%	1,528.46	0.45
324	0.30%	1,556.75	0.59	327	0.80%	1,561.02	0.42
344	0.30%	1,575.78	0.58	1003	0.90%	1,663.27	0.42
343	0.30%	1,576.33	0.57	1004	0.90%	1,663.27	0.42
346	0.30%	1,583.29	0.57	1005	0.90%	1,663.27	0.42
347	0.30%	1,579.53	0.57	340	1.00%	1,581.51	0.4
348	0.30%	1,578.31	0.55	742	0.20%	1,474.30	0.38
349	0.30%	1,578.31	0.55	9096	0.20%	1,791.66	0.38
350	0.30%	1,578.31	0.55	736	0.20%	1,429.43	0.37
351	0.30%	1,578.31	0.55	754	0.30%	1,631.48	0.37
328	0.30%	1,563.21	0.54	755	0.30%	1,666.44	0.37
330	0.30%	1,562.53	0.54	764	0.30%	1,176.46	0.37
338	0.30%	1,569.59	0.54	9092	0.20%	1,759.35	0.37
9088	0.20%	1,564.96	0.54	9094	0.20%	1,781.98	0.37
9176	0.20%	1,570.27	0.54	738	0.20%	1,441.96	0.36
9178	0.20%	1,568.48	0.54	744	0.30%	1,481.98	0.36
345	0.40%	1,572.27	0.53	746	0.30%	1,506.64	0.36
1024	0.50%	1,817.25	0.53	9186	0.70%	2,126.28	0.36
9164	0.20%	1,506.29	0.52	739	0.30%	1,453.08	0.35
9166	0.20%	1,504.35	0.52	743	0.30%	1,481.98	0.35
9168	0.20%	1,502.35	0.52	747	0.30%	1,537.22	0.35

PDWF – 2035 without Meadowood

ID	Slope	Maximum Flow (gpm)	Maximum d/D
748	0.30%	1,543.19	0.35
9130	0.90%	1,551.31	0.35
741	0.30%	1,467.15	0.34
991	0.20%	2,055.26	0.34
987	0.20%	1,975.55	0.33
990	0.20%	1,975.55	0.33
9090	0.30%	1,702.16	0.33
737	0.40%	1,436.97	0.32
989	0.20%	1,830.40	0.32
745	0.50%	1,501.35	0.31
988	0.20%	1,732.24	0.31
9086	1.30%	2,105.87	0.31
740	0.50%	1,461.46	0.3
749	0.60%	1,569.97	0.3
984	0.20%	1,633.12	0.3
750	0.70%	1,587.16	0.29
751	0.70%	1,599.46	0.29
752	0.70%	1,620.57	0.29
937	0.20%	1,544.15	0.29
940	0.20%	1,543.58	0.29
941	0.20%	1,543.59	0.29
942	0.20%	1,543.63	0.29
943	0.20%	1,543.69	0.29
944	0.20%	1,543.70	0.29
945	0.20%	1,543.74	0.29
946	0.20%	1,543.80	0.29
947	0.20%	1,543.82	0.29
948	0.20%	1,543.85	0.29
949	0.20%	1,543.91	0.29
950	0.20%	1,543.92	0.29
951	0.20%	1,543.99	0.29
952	0.20%	1,544.03	0.29
953	0.20%	1,544.03	0.29
954	0.20%	1,544.10	0.29
955	0.20%	1,544.17	0.29
956	0.20%	1,544.18	0.29
957	0.20%	1,544.25	0.29
958	0.20%	1,544.30	0.29
959	0.20%	1,544.33	0.29
960	0.20%	1,544.35	0.29
961	0.20%	1,544.39	0.29
962	0.20%	1,544.46	0.29
972	0.20%	1,544.80	0.29
973	0.20%	1,544.89	0.29
974	0.20%	1,544.93	0.29
975	0.20%	1,544.94	0.29
976	0.20%	1,545.01	0.29
977	0.20%	1,545.04	0.29
978	0.20%	1,545.13	0.29
979	0.20%	1,545.16	0.29
980	0.20%	1,545.21	0.29
761	1.10%	1,174.82	0.27
762	1.00%	1,175.79	0.27
986	0.40%	1,732.24	0.27
753	1.30%	1,631.48	0.26
985	0.40%	1,661.75	0.26
763	1.60%	1,175.79	0.24
9104	3.30%	1,429.43	0.24

ID	Slope	Maximum Flow (gpm)	Maximum d/D
9100	3.10%	1,940.27	0.23
9182	1.30%	1,701.20	0.23
939	0.90%	1,543.51	0.2
963	1.00%	1,544.46	0.2
964	1.00%	1,544.48	0.2
965	1.00%	1,544.52	0.2
966	1.00%	1,544.59	0.2
967	1.00%	1,544.62	0.2
968	1.00%	1,544.62	0.2
971	0.90%	1,544.78	0.2
9098	5.90%	1,935.37	0.2
993	3.40%	2,081.38	0.17
992	4.00%	2,065.42	0.16
969	3.20%	1,544.71	0.15
970	3.20%	1,544.72	0.15
981	3.00%	1,545.13	0.15
9042	269.00%	1,746.90	0.15
982	4.40%	1,545.20	0.14
983	3.90%	1,545.23	0.14

PDWF - 2035 with Meadowood

ID	Slope	Maximum Flow (gpm)	Maximum d/D	Notes
329	0.10%	1,825.80	1	Possibly incorrect pipe invert, 0.0007 slope
342	-2.00%	1,841.73	1	Siphon
938	0.00%	1,998.37	1	Outlet
995	0.10%	1,770.60	0.82	Wet Well Inlet
331	0.20%	1,826.86	0.72	
341	0.20%	1,843.02	0.72	
352	0.20%	1,845.51	0.72	
336	0.20%	1,832.68	0.69	
325	0.20%	1,820.80	0.68	
326	0.20%	1,823.69	0.68	
337	0.20%	1,834.29	0.68	
332	0.20%	1,823.49	0.67	
1000	0.20%	1,671.90	0.67	
1001	0.20%	1,671.90	0.67	
1002	0.20%	1,671.90	0.67	
1006	0.20%	1,671.90	0.67	
1007	0.20%	1,671.90	0.67	
1008	0.20%	1,671.90	0.67	
1009	0.20%	1,671.90	0.67	
1010	0.20%	1,671.90	0.67	
1011	0.20%	1,671.90	0.67	
1012	0.20%	1,671.90	0.67	
1013	0.20%	1,671.90	0.67	
1014	0.20%	1,671.90	0.67	
1015	0.20%	1,671.90	0.67	
1016	0.20%	1,671.90	0.67	
1017	0.20%	1,671.90	0.67	
1018	0.20%	1,670.75	0.67	
1019	0.20%	1,669.51	0.67	
997	0.20%	1,677.97	0.67	
998	0.20%	1,671.90	0.67	
999	0.20%	1,671.90	0.67	
1020	0.20%	1,667.98	0.67	
1021	0.20%	1,666.84	0.67	
324	0.30%	1,819.43	0.66	
323	0.30%	1,817.53	0.65	
344	0.30%	1,838.82	0.64	
347	0.30%	1,845.91	0.64	
996	0.20%	1,677.97	0.64	
343	0.30%	1,841.57	0.63	
346	0.30%	1,848.58	0.63	
349	0.30%	1,845.51	0.61	
350	0.30%	1,845.51	0.61	
328	0.30%	1,825.80	0.6	
338	0.30%	1,831.05	0.6	
9178	0.20%	1,830.16	0.6	
348	0.30%	1,845.51	0.6	
351	0.30%	1,845.51	0.6	
330	0.30%	1,826.64	0.59	
9088	0.20%	1,829.63	0.59	
9176	0.20%	1,833.69	0.59	
345	0.40%	1,838.42	0.58	
9166	0.20%	1,774.87	0.58	
9168	0.20%	1,774.26	0.58	
9170	0.20%	1,771.29	0.58	
9172	0.20%	1,769.22	0.58	

PDWF – 2035 with Meadowood

ID	Slope	Maximum Flow (gpm)	Maximum d/D	Notes
1024	0.50%	2,090.84	0.58	
9164	0.20%	1,779.56	0.57	
9174	0.20%	1,767.19	0.57	
9180	0.20%	1,826.86	0.56	
9116	0.30%	1,828.49	0.52	
9118	0.30%	1,820.89	0.52	
9120	0.30%	1,819.06	0.52	
9122	0.30%	1,813.29	0.52	
9124	0.30%	1,813.29	0.52	
9126	0.30%	1,819.13	0.52	
9128	0.30%	1,818.65	0.52	
9132	0.30%	1,811.34	0.52	
9134	0.30%	1,805.91	0.52	
9136	0.30%	1,801.24	0.52	
9138	0.30%	1,799.16	0.52	
9140	0.30%	1,795.01	0.52	
9144	0.30%	1,792.32	0.52	
9146	0.30%	1,788.68	0.52	
9150	0.30%	1,781.68	0.52	
339	0.60%	1,845.64	0.51	
9076	2.90%	1,825.52	0.51	
9142	0.30%	1,794.68	0.51	
9148	0.30%	1,785.89	0.51	
9152	0.30%	1,780.49	0.51	
9154	0.30%	1,775.29	0.51	
9156	0.30%	1,773.46	0.51	
9158	0.30%	1,771.53	0.51	
9160	0.30%	1,768.53	0.51	
9162	0.30%	1,765.68	0.51	
1026	0.70%	2,032.39	0.51	
9106	0.40%	1,805.12	0.5	
9112	0.40%	1,832.25	0.5	
9114	0.40%	1,830.58	0.5	
1025	0.80%	2,032.19	0.5	
9108	0.40%	1,795.54	0.49	
9110	0.40%	1,795.33	0.49	
327	0.80%	1,824.25	0.46	
340	1.00%	1,843.12	0.44	
1003	0.90%	1,671.90	0.43	
1004	0.90%	1,671.90	0.43	
1005	0.90%	1,671.90	0.43	
742	0.20%	1,781.08	0.42	
736	0.20%	1,722.09	0.41	
738	0.20%	1,736.92	0.4	
744	0.30%	1,784.01	0.4	
746	0.30%	1,809.54	0.4	
754	0.30%	1,884.77	0.4	
755	0.30%	1,921.53	0.4	
9092	0.20%	1,970.10	0.4	
9096	0.20%	1,989.11	0.4	
739	0.30%	1,752.26	0.39	
743	0.30%	1,784.01	0.39	
747	0.30%	1,820.27	0.39	
9094	0.20%	1,978.99	0.39	
748	0.30%	1,830.89	0.38	
9130	0.90%	1,812.50	0.38	
741	0.30%	1,768.44	0.37	
764	0.30%	1,208.91	0.37	

PDWF – 2035 with Meadowood

ID	Slope	Maximum Flow (gpm)	Maximum d/D	Notes
9186	0.70%	2,152.89	0.37	
737	0.40%	1,734.66	0.36	
9090	0.30%	1,933.54	0.35	
740	0.50%	1,762.34	0.34	
745	0.50%	1,795.83	0.34	
937	0.20%	2,002.25	0.34	
940	0.20%	1,998.75	0.34	
941	0.20%	1,998.93	0.34	
942	0.20%	1,999.29	0.34	
943	0.20%	1,999.31	0.34	
944	0.20%	1,999.78	0.34	
945	0.20%	1,999.94	0.34	
946	0.20%	2,000.21	0.34	
947	0.20%	2,000.54	0.34	
948	0.20%	2,000.59	0.34	
949	0.20%	2,001.10	0.34	
950	0.20%	2,001.25	0.34	
951	0.20%	2,001.34	0.34	
952	0.20%	2,001.76	0.34	
953	0.20%	2,002.06	0.34	
954	0.20%	2,002.21	0.34	
955	0.20%	2,002.47	0.34	
956	0.20%	2,002.81	0.34	
957	0.20%	2,003.09	0.34	
959	0.20%	2,003.61	0.34	
960	0.20%	2,003.63	0.34	
961	0.20%	2,004.27	0.34	
972	0.20%	2,007.32	0.34	
973	0.20%	2,007.38	0.34	
974	0.20%	2,008.25	0.34	
975	0.20%	2,008.52	0.34	
977	0.20%	2,010.02	0.34	
978	0.20%	2,010.24	0.34	
979	0.20%	2,010.72	0.34	
980	0.20%	2,011.71	0.34	
984	0.20%	2,015.12	0.34	
991	0.20%	2,055.28	0.34	
749	0.60%	1,843.06	0.33	
958	0.20%	2,003.31	0.33	
962	0.20%	2,004.43	0.33	
976	0.20%	2,009.46	0.33	
987	0.20%	2,019.99	0.33	
988	0.20%	2,018.23	0.33	
989	0.20%	2,018.84	0.33	
990	0.20%	2,019.99	0.33	
750	0.70%	1,861.07	0.32	
751	0.70%	1,875.32	0.32	
752	0.70%	1,884.26	0.31	
9086	1.30%	2,090.48	0.3	
986	0.40%	2,018.23	0.29	
762	1.00%	1,208.76	0.28	
985	0.40%	2,015.46	0.28	
753	1.30%	1,884.77	0.27	
761	1.10%	1,208.71	0.27	
9104	3.30%	1,722.09	0.27	
763	1.60%	1,208.76	0.25	
9100	3.10%	2,014.19	0.24	
9182	1.30%	1,933.24	0.24	

PDWF – 2035 with Meadowood

ID	Slope	Maximum Flow (gpm)	Maximum d/D	Notes
939	0.90%	1,998.37	0.23	
971	0.90%	2,006.49	0.23	
963	1.00%	2,004.43	0.22	
964	1.00%	2,004.84	0.22	
965	1.00%	2,005.16	0.22	
966	1.00%	2,005.35	0.22	
967	1.00%	2,005.40	0.22	
968	1.00%	2,005.54	0.22	
9098	5.90%	2,013.87	0.2	
969	3.20%	2,006.27	0.17	
970	3.20%	2,006.48	0.17	
981	3.00%	2,012.42	0.17	
993	3.40%	2,081.38	0.17	
983	3.90%	2,014.54	0.16	
992	4.00%	2,065.42	0.16	
982	4.40%	2,013.10	0.15	
9042	269.00%	1,770.56	0.15	

PWWF - 2035 without Meadowood

ID	Slope	Maximum Flow (gpm)	Maximum d/D	Notes
329	0.10%	2,182.19	1	Possibly incorrect pipe invert, 0.0007 slope Flat pipe downstream and bottleneck upstream possibly
331	0.20%	2,183.72	1	causing.
341	0.20%	2,213.62	1	Siphon
342	-2.00%	2,212.55	1	Siphon
352	0.20%	2,226.85	1	Not sure what causes
938	0.00%	2,032.96	1	Outlet
995	0.10%	1,824.66	1	Wet Well Inlet
336	0.20%	2,201.76	0.81	
337	0.20%	2,204.72	0.8	
325	0.20%	2,175.45	0.79	
326	0.20%	2,178.33	0.79	
332	0.20%	2,178.08	0.77	
324	0.30%	2,171.34	0.75	
323	0.30%	2,170.06	0.74	
344	0.30%	2,210.74	0.74	
347	0.30%	2,227.33	0.73	
343	0.30%	2,212.41	0.72	
346	0.30%	2,229.43	0.72	
349	0.30%	2,226.85	0.7	
350	0.30%	2,226.85	0.7	
348	0.30%	2,226.85	0.69	
351	0.30%	2,226.85	0.69	
328	0.30%	2,182.19	0.68	
338	0.30%	2,202.50	0.68	
997	0.20%	1,693.12	0.68	
1002	0.20%	1,683.71	0.68	
1006	0.20%	1,683.72	0.68	
1008	0.20%	1,683.73	0.68	
1010	0.20%	1,683.76	0.68	
1011	0.20%	1,683.79	0.68	
1014	0.20%	1,684.10	0.68	
330	0.30%	2,182.27	0.67	
998	0.20%	1,683.69	0.67	
999	0.20%	1,683.70	0.67	
1000	0.20%	1,683.70	0.67	
1001	0.20%	1,683.71	0.67	
1007	0.20%	1,683.72	0.67	
1009	0.20%	1,683.74	0.67	
1012	0.20%	1,683.97	0.67	
1013	0.20%	1,684.00	0.67	
1015	0.20%	1,684.11	0.67	
1016	0.20%	1,684.12	0.67	
1017	0.20%	1,684.13	0.67	
1018	0.20%	1,680.72	0.67	
1019	0.20%	1,677.06	0.67	
1020	0.20%	1,672.50	0.67	
1021	0.20%	1,669.10	0.67	
1024	0.50%	2,594.37	0.67	
9088	0.20%	2,185.40	0.67	
9176	0.20%	2,191.00	0.67	
9178	0.20%	2,185.85	0.67	
345	0.40%	2,209.90	0.66	
996	0.20%	1,693.10	0.64	
9166	0.20%	2,029.23	0.64	
9170	0.20%	2,025.40	0.64	

PWWF - 2035 without Meadowood

ID	Slope	Maximum Flow (gpm)	Maximum d/D	Notes
9168	0.20%	2,028.54	0.63	
9172	0.20%	2,022.06	0.63	
9180	0.20%	2,182.14	0.63	
9164	0.20%	2,035.25	0.62	
9174	0.20%	2,019.61	0.62	
339	0.60%	2,215.48	0.57	
1026	0.70%	2,469.06	0.57	
1025	0.80%	2,468.79	0.56	
9076	2.90%	2,180.53	0.56	
9116	0.30%	2,071.39	0.56	
9118	0.30%	2,066.39	0.56	
9120	0.30%	2,057.34	0.56	
9122	0.30%	2,051.57	0.56	
9124	0.30%	2,051.57	0.56	
9126	0.30%	2,079.16	0.56	
9128	0.30%	2,072.18	0.56	
9132	0.30%	2,059.49	0.56	
9134	0.30%	2,059.42	0.56	
9136	0.30%	2,056.00	0.56	
9138	0.30%	2,053.58	0.56	
9140	0.30%	2,048.99	0.56	
9144	0.30%	2,041.01	0.56	
9146	0.30%	2,035.14	0.56	
9148	0.30%	2,034.21	0.56	
9150	0.30%	2,031.38	0.56	
9152	0.30%	2,027.52	0.56	
9154	0.30%	2,023.68	0.56	
9158	0.30%	2,016.02	0.56	
9142	0.30%	2,042.57	0.55	
9156	0.30%	2,016.09	0.55	
9160	0.30%	2,010.89	0.55	
9162	0.30%	2,009.44	0.55	
9112	0.40%	2,092.38	0.54	
9114	0.40%	2,077.61	0.54	
9106	0.40%	2,024.10	0.53	
9108	0.40%	2,014.48	0.53	
9110	0.40%	1,999.42	0.52	
327	0.80%	2,178.86	0.51	
340	1.00%	2,213.68	0.49	
742	0.20%	1,881.47	0.43	
1003	0.90%	1,683.72	0.43	
1004	0.90%	1,683.72	0.43	
1005	0.90%	1,683.72	0.43	
736	0.20%	1,833.03	0.42	
738	0.20%	1,851.72	0.42	
743	0.30%	1,900.97	0.41	
744	0.30%	1,900.97	0.41	
746	0.30%	1,919.42	0.41	
754	0.30%	1,984.94	0.41	
755	0.30%	1,992.82	0.41	
9130	0.90%	2,070.08	0.41	
739	0.30%	1,860.13	0.4	
747	0.30%	1,931.55	0.4	
9092	0.20%	2,013.57	0.4	
9094	0.20%	2,018.16	0.4	
9096	0.20%	2,025.09	0.4	
741	0.30%	1,878.03	0.39	
748	0.30%	1,940.81	0.39	

PWWF - 2035 without Meadowood

ID	Slope	Maximum Flow (gpm)	Maximum d/D	Notes
737	0.40%	1,839.10	0.37	
764	0.30%	1,176.60	0.37	
9186	0.70%	2,175.13	0.37	
9090	0.30%	2,006.51	0.36	
745	0.50%	1,909.84	0.35	
740	0.50%	1,860.68	0.34	
749	0.60%	1,950.08	0.34	
937	0.20%	2,036.55	0.34	
940	0.20%	2,033.39	0.34	
941	0.20%	2,033.42	0.34	
942	0.20%	2,033.83	0.34	
943	0.20%	2,033.98	0.34	
944	0.20%	2,034.22	0.34	
945	0.20%	2,034.51	0.34	
946	0.20%	2,034.55	0.34	
947	0.20%	2,035.01	0.34	
948	0.20%	2,035.11	0.34	
949	0.20%	2,035.46	0.34	
950	0.20%	2,035.48	0.34	
951	0.20%	2,035.84	0.34	
952	0.20%	2,036.15	0.34	
953	0.20%	2,036.33	0.34	
954	0.20%	2,036.37	0.34	
955	0.20%	2,036.85	0.34	
956	0.20%	2,037.10	0.34	
957	0.20%	2,037.28	0.34	
958	0.20%	2,037.36	0.34	
959	0.20%	2,037.78	0.34	
960	0.20%	2,037.92	0.34	
961	0.20%	2,038.27	0.34	
962	0.20%	2,038.59	0.34	
972	0.20%	2,040.92	0.34	
973	0.20%	2,041.17	0.34	
974	0.20%	2,041.68	0.34	
975	0.20%	2,041.99	0.34	
976	0.20%	2,042.40	0.34	
977	0.20%	2,042.48	0.34	
978	0.20%	2,043.05	0.34	
979	0.20%	2,043.56	0.34	
980	0.20%	2,043.96	0.34	
984	0.20%	2,044.87	0.34	
988	0.20%	2,047.57	0.34	
989	0.20%	2,046.62	0.34	
990	0.20%	2,047.33	0.34	
991	0.20%	2,055.37	0.34	
750	0.70%	1,953.57	0.33	
751	0.70%	1,955.79	0.33	
987	0.20%	2,047.33	0.33	
752	0.70%	1,969.11	0.32	
9086	1.30%	2,123.77	0.31	
986	0.40%	2,047.57	0.29	
753	1.30%	1,984.94	0.28	
985	0.40%	2,045.87	0.28	
761	1.10%	1,175.87	0.27	
762	1.00%	1,176.34	0.27	
9104	3.30%	1,833.03	0.27	
9182	1.30%	2,005.44	0.25	
763	1.60%	1,176.34	0.24	

PWWF - 2035 without Meadowood

ID	Slope	Maximum Flow (gpm)	Maximum d/D	Notes
9100	3.10%	2,106.58	0.24	
939	0.90%	2,033.11	0.23	
971	0.90%	2,040.39	0.23	
963	1.00%	2,038.59	0.22	
964	1.00%	2,038.88	0.22	
965	1.00%	2,039.06	0.22	
966	1.00%	2,039.12	0.22	
967	1.00%	2,039.36	0.22	
968	1.00%	2,039.60	0.22	
9098	5.90%	2,037.07	0.2	
969	3.20%	2,040.06	0.17	
970	3.20%	2,040.13	0.17	
981	3.00%	2,043.18	0.17	
993	3.40%	2,081.39	0.17	
982	4.40%	2,044.31	0.16	
983	3.90%	2,044.85	0.16	
992	4.00%	2,065.43	0.16	
9042	269.00%	1,824.36	0.16	

PWWF - 2035 with Meadowood

ID	Slope	Maximum Flow (gpm)	Maximum d/D	Notes
323	0.30%	2,443.39	1	Caused by downstream bottleneck
324	0.30%	2,448.13	1	Caused by downstream bottleneck
325	0.20%	2,449.34	1	Caused by downstream bottleneck
326	0.20%	2,455.87	1	Caused by downstream bottleneck
329	0.10%	2,459.10	1	Possibly incorrect pipe invert, 0.0007 slope
331	0.20%	2,463.53	1	Caused by downstream bottleneck
332	0.20%	2,460.16	1	Caused by downstream bottleneck
336	0.20%	2,457.12	1	Possible bottleneck point
337	0.20%	2,457.08	1	Possible bottleneck point
341	0.20%	2,459.93	1	Siphon
342	-2.00%	2,455.86	1	Siphon
352	0.20%	2,450.66	1	Not sure what causes
938	0.00%	1,999.59	1	Outlet
344	0.30%	2,451.09	0.82	
995	0.10%	1,770.50	0.82	
343	0.30%	2,455.47	0.79	
346	0.30%	2,457.96	0.79	
347	0.30%	2,450.99	0.79	
350	0.30%	2,450.66	0.76	
349	0.30%	2,450.66	0.75	
328	0.30%	2,459.10	0.74	
330	0.30%	2,462.59	0.74	
338	0.30%	2,451.46	0.74	
348	0.30%	2,450.66	0.74	
351	0.30%	2,450.66	0.74	
9176	0.20%	2,477.26	0.74	
9178	0.20%	2,472.47	0.74	
9088	0.20%	2,470.81	0.73	
9166	0.20%	2,424.74	0.72	
9168	0.20%	2,424.13	0.72	
9170	0.20%	2,419.79	0.72	
9172	0.20%	2,415.80	0.72	
345	0.40%	2,448.63	0.71	
9164	0.20%	2,432.63	0.71	
9174	0.20%	2,412.90	0.71	
1024	0.50%	2,693.32	0.69	
9180	0.20%	2,465.06	0.69	
997	0.20%	1,677.97	0.67	
998	0.20%	1,671.90	0.67	
999	0.20%	1,671.90	0.67	
1000	0.20%	1,671.90	0.67	
1001	0.20%	1,671.90	0.67	
1002	0.20%	1,671.90	0.67	
1006	0.20%	1,671.90	0.67	
1007	0.20%	1,671.90	0.67	
1008	0.20%	1,671.90	0.67	
1009	0.20%	1,671.90	0.67	
1010	0.20%	1,671.90	0.67	
1011	0.20%	1,671.90	0.67	
1012	0.20%	1,671.90	0.67	
1013	0.20%	1,671.90	0.67	
1014	0.20%	1,671.90	0.67	
1015	0.20%	1,671.90	0.67	
1016	0.20%	1,671.90	0.67	
1017	0.20%	1,671.90	0.67	
1018	0.20%	1,670.75	0.67	

PWWF - 2035 with Meadowood

ID	Slope	Maximum Flow (gpm)	Maximum d/D	Notes
1019	0.20%	1,669.51	0.67	
1020	0.20%	1,667.98	0.67	
1021	0.20%	1,666.84	0.67	
996	0.20%	1,677.97	0.64	
9116	0.30%	2,507.19	0.64	
9118	0.30%	2,502.93	0.64	
9120	0.30%	2,495.97	0.64	
9126	0.30%	2,497.65	0.64	
9132	0.30%	2,483.64	0.64	
9140	0.30%	2,464.61	0.64	
9122	0.30%	2,485.38	0.63	
9124	0.30%	2,485.38	0.63	
9128	0.30%	2,490.21	0.63	
9134	0.30%	2,474.27	0.63	
9136	0.30%	2,473.49	0.63	
9138	0.30%	2,465.33	0.63	
9142	0.30%	2,462.66	0.63	
9144	0.30%	2,458.28	0.63	
9146	0.30%	2,454.27	0.63	
9148	0.30%	2,449.20	0.63	
9150	0.30%	2,442.68	0.63	
9152	0.30%	2,441.67	0.63	
9154	0.30%	2,433.67	0.63	
9156	0.30%	2,432.08	0.63	
9158	0.30%	2,428.85	0.63	
9160	0.30%	2,424.34	0.62	
9162	0.30%	2,419.92	0.62	
339	0.60%	2,465.20	0.61	
9076	2.90%	2,462.38	0.61	
9112	0.40%	2,518.12	0.61	
9114	0.40%	2,513.70	0.61	
1026	0.70%	2,635.70	0.6	
9106	0.40%	2,489.14	0.6	
9108	0.40%	2,484.96	0.6	
9110	0.40%	2,478.63	0.6	
1025	0.80%	2,635.14	0.58	
327	0.80%	2,457.18	0.55	
340	1.00%	2,460.46	0.52	
742	0.20%	2,464.89	0.5	
736	0.20%	2,410.46	0.49	
738	0.20%	2,429.67	0.49	
744	0.30%	2,483.81	0.48	
746	0.30%	2,503.92	0.48	
754	0.30%	2,610.05	0.48	
755	0.30%	2,639.81	0.48	
764	0.30%	1,928.82	0.48	
743	0.30%	2,483.81	0.47	
9092	0.20%	2,699.11	0.47	
9094	0.20%	2,710.97	0.47	
9096	0.20%	2,720.42	0.47	
739	0.30%	2,440.21	0.46	
747	0.30%	2,531.10	0.46	
748	0.30%	2,534.97	0.46	
741	0.30%	2,461.89	0.45	
9130	0.90%	2,487.08	0.45	
737	0.40%	2,416.24	0.43	
1003	0.90%	1,671.90	0.43	
1004	0.90%	1,671.90	0.43	

PWWF - 2035 with Meadowood

ID	Slope	Maximum Flow (gpm)	Maximum d/D	Notes
1005	0.90%	1,671.90	0.43	
9090	0.30%	2,662.82	0.42	
9186	0.70%	2,753.93	0.42	
745	0.50%	2,500.43	0.41	
740	0.50%	2,442.91	0.4	
749	0.60%	2,559.00	0.39	
750	0.70%	2,574.68	0.38	
751	0.70%	2,586.05	0.38	
752	0.70%	2,602.70	0.37	
761	1.10%	1,925.42	0.35	
762	1.00%	1,927.60	0.35	
9086	1.30%	2,750.90	0.35	
937	0.20%	2,003.52	0.34	
940	0.20%	1,999.97	0.34	
941	0.20%	2,000.16	0.34	
942	0.20%	2,000.51	0.34	
943	0.20%	2,000.53	0.34	
944	0.20%	2,001.01	0.34	
945	0.20%	2,001.17	0.34	
946	0.20%	2,001.46	0.34	
947	0.20%	2,001.78	0.34	
948	0.20%	2,001.84	0.34	
949	0.20%	2,002.35	0.34	
950	0.20%	2,002.50	0.34	
951	0.20%	2,002.58	0.34	
952	0.20%	2,003.01	0.34	
953	0.20%	2,003.32	0.34	
954	0.20%	2,003.47	0.34	
955	0.20%	2,003.72	0.34	
956	0.20%	2,004.07	0.34	
957	0.20%	2,004.35	0.34	
959	0.20%	2,004.88	0.34	
960	0.20%	2,004.90	0.34	
961	0.20%	2,005.56	0.34	
972	0.20%	2,008.63	0.34	
973	0.20%	2,008.68	0.34	
974	0.20%	2,009.58	0.34	
975	0.20%	2,009.69	0.34	
977	0.20%	2,010.72	0.34	
978	0.20%	2,010.98	0.34	
979	0.20%	2,011.69	0.34	
980	0.20%	2,012.31	0.34	
984	0.20%	2,014.68	0.34	
991	0.20%	2,055.28	0.34	
958	0.20%	2,004.58	0.33	
962	0.20%	2,005.71	0.33	
976	0.20%	2,010.55	0.33	
987	0.20%	2,020.57	0.33	
988	0.20%	2,018.19	0.33	
989	0.20%	2,019.15	0.33	
990	0.20%	2,020.57	0.33	
753	1.30%	2,610.05	0.32	
9104	3.30%	2,410.46	0.32	
763	1.60%	1,927.60	0.31	
986	0.40%	2,018.19	0.29	
9182	1.30%	2,662.21	0.29	
985	0.40%	2,015.34	0.28	
9100	3.10%	2,750.10	0.28	

PWWF - 2035 with Meadowood

ID	Slope	Maximum Flow (gpm)	Maximum d/D	Notes
9098	5.90%	2,748.43	0.24	
939	0.90%	1,999.59	0.23	
971	0.90%	2,007.81	0.23	
963	1.00%	2,005.71	0.22	
964	1.00%	2,006.13	0.22	
965	1.00%	2,006.45	0.22	
966	1.00%	2,006.65	0.22	
967	1.00%	2,006.71	0.22	
968	1.00%	2,006.83	0.22	
969	3.20%	2,007.57	0.17	
970	3.20%	2,007.80	0.17	
981	3.00%	2,012.52	0.17	
993	3.40%	2,081.38	0.17	
983	3.90%	2,014.39	0.16	
992	4.00%	2,065.42	0.16	
982	4.40%	2,013.43	0.15	
9042	269.00%	1,770.43	0.15	