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BEFORE THE PUBLIC UTILITIES COMMISSION OF NEVADA

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In the Matter of:

Docket No. 24-_____

Application of Great Basin Water Co.,
Pahrump, Spring Creek, Cold Springs,
Pahrump, and Spanish Springs Divisions for
Approval of its 2024 Integrated Resource
Plan and to designate certain system
improvement projects as eligible projects for
which a system improvement rate may be
established, and for relief properly related
thereto.

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Document Description

Page No.

Appendix H, Part 2

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GBWC-PD 2024 IRP - Mountain Falls System
Existing (2022) PHD Condition Distribution System Pipe Report
Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-329	339	18.0	3,277.99	4.13	0.42	130.0
P-1293	36	6.0	2,625.00	29.79	18.50	120.0
P-507	535	12.0	2,350.03	6.67	7.65	120.0
P-826	82	12.0	2,350.03	6.67	1.17	120.0
P-827	363	12.0	2,350.03	6.67	5.19	120.0
P-1117	156	8.0	1,627.26	10.39	8.14	120.0
P-1120	124	8.0	1,627.26	10.39	6.47	120.0
P-1121	126	8.0	1,627.26	10.39	6.58	120.0
P-1125.1	241	8.0	1,627.25	10.39	12.58	120.0
P-1093	327	8.0	1,627.25	10.39	17.07	120.0
P-1092	94	8.0	1,627.25	10.39	4.91	120.0
P-1104	170	8.0	1,485.37	9.48	7.49	120.0
P-504	158	12.0	971.09	2.75	0.44	120.0
P-1380	41	12.0	864.66	2.45	0.09	120.0
P-1381	379	12.0	864.66	2.45	0.85	120.0
P-533	414	12.0	656.44	1.86	0.56	120.0
P-669	331	12.0	385.97	1.09	0.17	120.0
P-354	492	12.0	331.79	0.94	0.19	120.0
P-538	180	12.0	314.65	0.89	0.06	120.0
P-670	163	12.0	278.04	0.79	0.04	120.0
P-1127	179	8.0	208.22	1.33	0.21	120.0
P-1046	188	8.0	211.85	1.35	0.22	120.0
P-1049	272	8.0	211.84	1.35	0.33	120.0
P-1050	147	8.0	211.84	1.35	0.18	120.0
P-1130	157	8.0	196.76	1.26	0.16	120.0
P-1060	244	8.0	197.73	1.26	0.26	120.0
P-1000	201	8.0	173.44	1.11	0.17	120.0
P-1011	312	8.0	162.76	1.04	0.23	120.0
P-1012	494	8.0	162.75	1.04	0.36	120.0
P-361	198	8.0	148.51	0.95	0.12	120.0
P-1128	229	8.0	136.33	0.87	0.12	120.0
P-1129	7	8.0	136.33	0.87	0.00	120.0
P-1009	111	8.0	136.89	0.87	0.06	120.0
P-1010	90	8.0	136.88	0.87	0.05	120.0
P-1013	220	8.0	135.23	0.86	0.11	120.0
P-1018	15	8.0	124.56	0.80	0.01	120.0
P-1019	178	8.0	124.56	0.80	0.08	120.0
P-1022	336	8.0	124.56	0.80	0.15	120.0
P-1374	76	12.0	166.67	0.47	0.01	120.0
P-808	279	12.0	158.18	0.45	0.03	120.0
P-809	34	12.0	158.18	0.45	0.00	120.0
P-1023	219	8.0	113.88	0.73	0.08	120.0
P-1052	262	8.0	99.90	0.64	0.08	120.0
P-1053	68	8.0	99.90	0.64	0.02	120.0
P-1054	155	8.0	99.90	0.64	0.05	120.0
P-1051	228	8.0	99.90	0.64	0.07	120.0

GBWC-PD 2024 IRP - Mountain Falls System
Existing (2022) PHD Condition Distribution System Pipe Report
Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1055	208	8.0	99.90	0.64	0.06	120.0
P-1375	437	12.0	145.87	0.41	0.04	120.0
P-37	146	6.0	98.61	1.12	0.17	120.0
P-341	104	12.0	127.22	0.36	0.01	120.0
P-1140	284	8.0	68.07	0.43	0.04	120.0
P-43	266	8.0	85.46	0.55	0.06	120.0
P-44	256	8.0	85.46	0.55	0.06	120.0
P-45	312	8.0	85.46	0.55	0.07	120.0
P-46	321	8.0	85.46	0.55	0.07	120.0
P-342	280	12.0	105.71	0.30	0.01	120.0
P-348	154	12.0	103.46	0.29	0.01	120.0
P-1088	284	8.0	59.77	0.38	0.03	120.0
P-1089	139	8.0	59.77	0.38	0.02	120.0
P-626	57	8.0	67.84	0.43	0.01	120.0
P-627	123	8.0	67.84	0.43	0.02	120.0
P-624	71	8.0	67.84	0.43	0.01	120.0
P-625	73	8.0	67.84	0.43	0.01	120.0
P-622	100	8.0	67.83	0.43	0.01	120.0
P-621	107	8.0	67.83	0.43	0.02	120.0
P-620	59	8.0	67.83	0.43	0.01	120.0
P-48	129	8.0	78.89	0.50	0.02	120.0
P-47	93	8.0	78.89	0.50	0.02	120.0
P-537	258	12.0	117.89	0.33	0.01	120.0
P-016	343	12.0	87.78	0.25	0.01	120.0
P-017	335	12.0	87.78	0.25	0.01	120.0
P-018	11	12.0	87.78	0.25	0.00	120.0
P-343	153	12.0	96.39	0.27	0.01	120.0
P-1241	332	8.0	60.50	0.39	0.04	120.0
P-1242	424	8.0	60.50	0.39	0.05	120.0
P-36	329	6.0	54.17	0.61	0.13	120.0
P-303	1,148	12.0	32.47	0.09	0.01	120.0
P-845	619	8.0	36.80	0.23	0.02	150.0
P-1001	140	8.0	36.56	0.23	0.01	120.0
P-1004	156	8.0	36.55	0.23	0.01	120.0
P-1005	608	8.0	36.55	0.23	0.03	120.0
P-1006	405	8.0	36.55	0.23	0.02	120.0
P-1007	639	8.0	36.55	0.23	0.03	120.0
P-1008	371	8.0	36.55	0.23	0.02	120.0
P-1204	121	8.0	38.42	0.25	0.01	120.0
P-1205	354	8.0	38.42	0.25	0.02	120.0
P-25	78	8.0	23.24	0.15	0.00	120.0
P-24	42	8.0	23.24	0.15	0.00	120.0
P-19	54	8.0	23.24	0.15	0.00	120.0
P-20	108	8.0	23.24	0.15	0.00	120.0
P-21	108	8.0	23.24	0.15	0.00	120.0
P-22	54	8.0	23.24	0.15	0.00	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1031	211	8.0	17.88	0.11	0.00	120.0
P-335(1)	173	8.0	17.86	0.11	0.00	120.0
P-340	123	8.0	35.59	0.23	0.01	120.0
P-339	130	8.0	35.59	0.23	0.01	120.0
P-1223	101	8.0	26.24	0.17	0.00	120.0
P-1224	59	8.0	26.24	0.17	0.00	120.0
P-1226	297	8.0	26.24	0.17	0.01	120.0
P-23	226	8.0	13.78	0.09	0.00	120.0
P-604	129	8.0	14.29	0.09	0.00	120.0
P-603	94	8.0	14.29	0.09	0.00	120.0
P-607	18	8.0	14.29	0.09	0.00	120.0
P-606	161	8.0	14.29	0.09	0.00	120.0
P-605	117	8.0	14.29	0.09	0.00	120.0
P-861	238	8.0	11.84	0.08	0.00	150.0
P-1165	333	8.0	15.97	0.10	0.00	120.0
P-1166	266	8.0	15.97	0.10	0.00	120.0
P-1169	134	8.0	15.97	0.10	0.00	120.0
P-1170	153	8.0	15.97	0.10	0.00	120.0
P-1173	50	8.0	15.97	0.10	0.00	120.0
P-1174	236	8.0	15.97	0.10	0.00	120.0
P-1148	186	8.0	16.00	0.10	0.00	120.0
P-1150	282	8.0	16.00	0.10	0.00	120.0
P-1151	417	8.0	16.00	0.10	0.00	120.0
P-1147	141	8.0	16.00	0.10	0.00	120.0
P-1153	418	8.0	16.00	0.10	0.00	120.0
P-1152	417	8.0	16.00	0.10	0.00	120.0
P-1154	230	8.0	15.99	0.10	0.00	120.0
P-16	42	8.0	8.95	0.06	0.00	120.0
P-17	264	8.0	8.95	0.06	0.00	120.0
P-18	299	8.0	8.95	0.06	0.00	120.0
P-15	311	8.0	8.95	0.06	0.00	120.0
P-13	287	8.0	8.95	0.06	0.00	120.0
P-14	52	8.0	8.95	0.06	0.00	120.0
P-12	54	8.0	8.95	0.06	0.00	120.0
P-11	129	8.0	8.95	0.06	0.00	120.0
P-10	182	8.0	8.95	0.06	0.00	120.0
P-9	125	8.0	8.94	0.06	0.00	120.0
P-1014	120	8.0	10.67	0.07	0.00	120.0
P-634	110	8.0	9.46	0.06	0.00	120.0
P-637	120	8.0	9.46	0.06	0.00	120.0
P-636	106	8.0	9.46	0.06	0.00	120.0
P-639	118	8.0	9.46	0.06	0.00	120.0
P-1197	200	8.0	14.34	0.09	0.00	120.0
P-1198	197	8.0	14.34	0.09	0.00	120.0
P-304	196	12.0	9.27	0.03	0.00	120.0
P-335(2)	177	8.0	9.23	0.06	0.00	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1036	100	8.0	8.94	0.06	0.00	120.0
P-1037	42	8.0	8.94	0.06	0.00	120.0
P-1040	276	8.0	8.94	0.06	0.00	120.0
P-1024	188	8.0	8.94	0.06	0.00	120.0
P-1032	133	8.0	8.93	0.06	0.00	120.0
P-1015	220	8.0	7.21	0.05	0.00	120.0
P-305	259	8.0	7.30	0.05	0.00	120.0
P-277	514	8.0	4.73	0.03	0.00	120.0
P-1025	227	8.0	4.51	0.03	0.00	120.0
P-1026	442	8.0	4.51	0.03	0.00	120.0
P-1027	400	8.0	4.51	0.03	0.00	120.0
P-608	151	8.0	4.08	0.03	0.00	120.0
P-1176	283	8.0	8.24	0.05	0.00	120.0
P-1177	321	8.0	8.24	0.05	0.00	120.0
P-1135	254	8.0	3.82	0.02	0.00	120.0
P-1193	298	8.0	5.24	0.03	0.00	120.0
P-1194	209	8.0	5.24	0.03	0.00	120.0
P-307	301	8.0	3.36	0.02	0.00	120.0
P-862	964	8.0	3.33	0.02	0.00	150.0
P-1156	165	8.0	7.71	0.05	0.00	120.0
P-1157	140	8.0	7.70	0.05	0.00	120.0
P-1159	300	8.0	7.70	0.05	0.00	120.0
P-1160	423	8.0	7.70	0.05	0.00	120.0
P-1161	204	8.0	7.70	0.05	0.00	120.0
P-308	709	8.0	2.12	0.01	0.00	120.0
P-1033	218	8.0	0.68	0.00	0.00	120.0
P-1034	504	8.0	0.68	0.00	0.00	120.0
P-1035	325	8.0	0.68	0.00	0.00	120.0
P-1188	272	8.0	1.64	0.01	0.00	120.0
P-1190	232	8.0	1.64	0.01	0.00	120.0
P-1191	364	8.0	1.64	0.01	0.00	120.0
P-660	242	8.0	0.00	0.00	0.00	120.0
P-417	63	8.0	0.01	0.00	0.00	120.0
P-415	179	8.0	0.01	0.00	0.00	120.0
P-617	133	8.0	0.00	0.00	0.00	120.0
P-414	84	6.0	0.01	0.00	0.00	120.0
P-1043	120	8.0	0.01	0.00	0.00	120.0
P-616	115	8.0	0.00	0.00	0.00	120.0
P-418	164	8.0	0.01	0.00	0.00	120.0
P-615	161	8.0	0.00	0.00	0.00	120.0
P-655	194	8.0	0.00	0.00	0.00	120.0
P-1137	28	8.0	0.00	0.00	0.00	120.0
P-428	71	8.0	0.01	0.00	0.00	120.0
P-1041	137	8.0	0.00	0.00	0.00	120.0
P-1038	197	8.0	0.00	0.00	0.00	120.0
P-1044	235	8.0	0.01	0.00	0.00	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-420	75	8.0	0.01	0.00	0.00	120.0
P-1118	139	8.0	0.00	0.00	0.00	120.0
P-1171	211	8.0	0.00	0.00	0.00	120.0
P-1114	220	8.0	0.00	0.00	0.00	120.0
P-1077	282	8.0	0.01	0.00	0.00	120.0
P-1081	263	8.0	0.01	0.00	0.00	120.0
P-1110	158	8.0	0.00	0.00	0.00	120.0
P-618	124	8.0	0.00	0.00	0.00	120.0
P-1167	328	8.0	0.00	0.00	0.00	120.0
P-1138	283	8.0	0.00	0.00	0.00	120.0
P-429	57	8.0	0.01	0.00	0.00	120.0
P-1252	41	8.0	0.00	0.00	0.00	120.0
P-1294	35	6.0	0.00	0.00	0.00	120.0
P-1002	220	8.0	0.00	0.00	0.00	120.0
P-1256	13	6.0	0.00	0.00	0.00	120.0
P-1020	131	8.0	0.00	0.00	0.00	120.0
P-1353	36	6.0	0.00	0.00	0.00	120.0
P-1357	31	6.0	0.00	0.00	0.00	120.0
P-1047	95	8.0	0.00	0.00	0.00	120.0
P-1259	62	8.0	0.00	0.00	0.00	120.0
PH-403	12	6.0	0.00	0.00	0.00	120.0
PH-409	17	6.0	0.00	0.00	0.00	120.0
P-1217	302	8.0	0.00	0.00	0.00	120.0
P-1225	274	8.0	0.00	0.00	0.00	120.0
P-672	178	8.0	0.00	0.00	0.00	120.0
P-1238	145	8.0	0.00	0.00	0.00	120.0
P-758	139	8.0	0.00	0.00	0.00	120.0
P-1122	199	8.0	0.01	0.00	0.00	120.0
P-1253	10	8.0	0.00	0.00	0.00	120.0
P-1231	199	8.0	0.00	0.00	0.00	120.0
P-1189	35	8.0	0.00	0.00	0.00	120.0
P-1230	94	8.0	0.00	0.00	0.00	120.0
P-1312	12	8.0	0.00	0.00	0.00	120.0
P-1265	9	6.0	0.00	0.00	0.00	120.0
P-1361	12	6.0	0.00	0.00	0.00	120.0
P-1325	11	6.0	0.00	0.00	0.00	120.0
P-1263	9	6.0	0.00	0.00	0.00	120.0
P-1247	8	6.0	0.00	0.00	0.00	120.0
P-1266	8	6.0	0.00	0.00	0.00	120.0
P-1268.1	8	6.0	0.00	0.00	0.00	120.0
P-1145	49	8.0	0.00	0.00	0.00	120.0
P-1362	13	6.0	0.00	0.00	0.00	120.0
P-1287	13	6.0	0.00	0.00	0.00	120.0
PH-708	13	6.0	0.00	0.00	0.00	120.0
PH-713	13	6.0	0.00	0.00	0.00	120.0
P-1168	15	8.0	0.00	0.00	0.00	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1269	9	6.0	0.00	0.00	0.00	120.0
P-1306	12	6.0	0.00	0.00	0.00	120.0
P-1320	12	6.0	0.00	0.00	0.00	120.0
P-1078	119	8.0	0.00	0.00	0.00	120.0
P-1070	92	8.0	0.00	0.00	0.00	120.0
PH-602	19	6.0	0.00	0.00	0.00	120.0
P-1280	13	6.0	0.00	0.00	0.00	120.0
P-1249	14	6.0	0.00	0.00	0.00	120.0
P-1042	70	8.0	0.00	0.00	0.00	120.0
P-1045	77	8.0	0.00	0.00	0.00	120.0
P-1058	139	8.0	0.00	0.00	0.00	120.0
P-1021	64	8.0	0.00	0.00	0.00	120.0
P-1270	8	6.0	0.00	0.00	0.00	120.0
P-1119	137	8.0	0.00	0.00	0.00	120.0
P-1172	197	8.0	0.00	0.00	0.00	120.0
P-1039	63	8.0	0.00	0.00	0.00	120.0
PH-612	19	6.0	0.00	0.00	0.00	120.0
P-1003	92	8.0	0.00	0.00	0.00	120.0
PH-607	19	6.0	0.00	0.00	0.00	120.0
P-1330	20	6.0	0.00	0.00	0.00	120.0
P-1267	12	6.0	0.00	0.00	0.00	120.0
P-1301	12	6.0	0.00	0.00	0.00	120.0
P-1331	12	6.0	0.00	0.00	0.00	120.0
P-1175	97	8.0	0.00	0.00	0.00	120.0
PH-603	34	6.0	0.00	0.00	0.00	120.0
PH-608	18	6.0	0.00	0.00	0.00	120.0
PH-408	17	6.0	0.00	0.00	0.00	120.0
P-1276	13	6.0	0.00	0.00	0.00	120.0
P-1158	132	8.0	0.00	0.00	0.00	120.0
P-1082	174	8.0	0.00	0.00	0.00	120.0
P-405	174	8.0	0.00	0.00	0.00	120.0
P-1254	59	6.0	0.00	0.00	0.00	120.0
P-419	146	8.0	0.00	0.00	0.00	120.0
P-1048	149	8.0	0.00	0.00	0.00	120.0
P-661	84	8.0	0.00	0.00	0.00	120.0
P-431	210	8.0	0.00	0.00	0.00	120.0
P-1136	155	8.0	0.00	0.00	0.00	120.0
P-1334	12	6.0	0.00	0.00	0.00	120.0
P-1291	21	6.0	0.00	0.00	0.00	120.0
PH-610	18	6.0	0.00	0.00	0.00	120.0
P-364	18	6.0	0.00	0.00	0.00	120.0
P-1365	15	6.0	0.00	0.00	0.00	120.0
P-1352	15	6.0	0.00	0.00	0.00	120.0
P-416	167	6.0	0.00	0.00	0.00	120.0
P-1244	13	6.0	0.00	0.00	0.00	120.0
PH-405	30	6.0	0.00	0.00	0.00	120.0

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Existing (2022) PHD Condition Distribution System Pipe Report
Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1338	38	6.0	0.00	0.00	0.00	120.0
P-1345	35	6.0	0.00	0.00	0.00	120.0
P-1347	22	6.0	0.00	0.00	0.00	120.0
P-678	168	8.0	0.00	0.00	0.00	120.0
P-1300	22	6.0	0.00	0.00	0.00	120.0
P-1260	80	8.0	0.00	0.00	0.00	120.0
P-1356	25	6.0	0.00	0.00	0.00	120.0
P-1368	38	6.0	0.00	0.00	0.00	120.0
P-1351	30	6.0	0.00	0.00	0.00	120.0
P-1316	12	6.0	0.00	0.00	0.00	120.0
P-1311	32	6.0	0.00	0.00	0.00	120.0
P-759	115	8.0	0.00	0.00	0.00	120.0
P-1295	17	6.0	0.00	0.00	0.00	120.0
P-1318	16	6.0	0.00	0.00	0.00	120.0
PH-705	37	6.0	0.00	0.00	0.00	120.0
P-1139	66	8.0	0.00	0.00	0.00	120.0
P-1274	15	6.0	0.00	0.00	0.00	120.0
PH-707	15	6.0	0.00	0.00	0.00	120.0
PH-404	29	6.0	0.00	0.00	0.00	120.0
PH-605	19	6.0	0.00	0.00	0.00	120.0
P-1282	13	6.0	0.00	0.00	0.00	120.0
P-363	30	6.0	0.00	0.00	0.00	120.0
P-1281	13	6.0	0.00	0.00	0.00	120.0
P-1315	12	6.0	0.00	0.00	0.00	120.0
P-656	57	8.0	0.00	0.00	0.00	120.0
PH-619	34	6.0	0.00	0.00	0.00	120.0
P-1296	36	6.0	0.00	0.00	0.00	120.0
P-1264	17	6.0	0.00	0.00	0.00	120.0
P-1358	18	6.0	0.00	0.00	0.00	120.0
P-1115	141	8.0	0.00	0.00	0.00	120.0
P-1288	13	6.0	0.00	0.00	0.00	120.0
P-1304	11	6.0	0.00	0.00	0.00	120.0
P-1314	12	8.0	0.00	0.00	0.00	120.0
PH-402	31	6.0	0.00	0.00	0.00	120.0
P-1261	21	6.0	0.00	0.00	0.00	120.0
P-1236	391	8.0	0.00	0.00	0.00	120.0
P-1099	61	8.0	0.00	0.00	0.00	120.0
P-1132	48	8.0	0.00	0.00	0.00	120.0
P-1364	22	6.0	0.00	0.00	0.00	120.0
P-1290	15	6.0	0.00	0.00	0.00	120.0
P-1328	22	6.0	0.00	0.00	0.00	120.0
P-1346	14	6.0	0.00	0.00	0.00	120.0
PH-614	19	6.0	0.00	0.00	0.00	120.0
P-1327	12	6.0	0.00	0.00	0.00	120.0
P-1267.1	13	6.0	0.00	0.00	0.00	120.0
P-1336	11	6.0	0.00	0.00	0.00	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-382	102	8.0	0.00	0.00	0.00	120.0
P-1255	13	6.0	0.00	0.00	0.00	120.0
P-1366	13	6.0	0.00	0.00	0.00	120.0
PH-711	14	6.0	0.00	0.00	0.00	120.0
P-1245	9	6.0	0.00	0.00	0.00	120.0
P-1337	10	6.0	0.00	0.00	0.00	120.0
P-1246	9	6.0	0.00	0.00	0.00	120.0
P-1106	143	8.0	0.00	0.00	0.00	120.0
P-667	163	8.0	0.01	0.00	0.00	120.0
P-666	69	8.0	0.01	0.00	0.00	120.0
P-1201	63	8.0	0.00	0.00	0.00	120.0
P-1326	11	6.0	0.00	0.00	0.00	120.0
P-1248	9	6.0	0.00	0.00	0.00	120.0
P-378	12	8.0	0.00	0.00	0.00	120.0
P-1257	9	6.0	0.00	0.00	0.00	120.0
P-1284	13	6.0	0.00	0.00	0.00	120.0
P-1271	12	6.0	0.00	0.00	0.00	120.0
P-1298	12	6.0	0.00	0.00	0.00	120.0
P-1344	12	6.0	0.00	0.00	0.00	120.0
P-370	12	6.0	0.00	0.00	0.00	120.0
P-1124	60	8.0	0.00	0.00	0.00	120.0
P-1262	12	6.0	0.00	0.00	0.00	120.0
P-1332	12	6.0	0.00	0.00	0.00	120.0
P-1305	11	6.0	0.00	0.00	0.00	120.0
P-1073	123	8.0	0.00	0.00	0.00	120.0
P-1273	14	6.0	0.00	0.00	0.00	120.0
P-1123	62	8.0	0.01	0.00	0.00	120.0
P-1278	13	6.0	0.00	0.00	0.00	120.0
P-368	15	8.0	0.01	0.00	0.00	120.0
P-1210	70	8.0	0.00	0.00	0.00	120.0
P-1359	13	6.0	0.00	0.00	0.00	120.0
P-1335	10	6.0	0.00	0.00	0.00	120.0
P-1317	15	6.0	0.00	0.00	0.00	120.0
P-384	22	8.0	0.00	0.00	0.00	120.0
P-385	7	8.0	0.00	0.00	0.00	120.0
P-1350	15	6.0	0.00	0.00	0.00	120.0
P-1299	12	6.0	0.00	0.00	0.00	120.0
P-1309	12	6.0	0.00	0.00	0.00	120.0
P-1360	11	6.0	0.00	0.00	0.00	120.0
P-1341	13	6.0	0.00	0.00	0.00	120.0
P-1149	131	8.0	0.00	0.00	0.00	120.0
P-1063	58	8.0	0.00	0.00	0.00	120.0
P-886	41	6.0	0.00	0.00	0.00	120.0
P-1107	145	8.0	0.00	0.00	0.00	120.0
P-1340	37	6.0	0.00	0.00	0.00	120.0
P-1272	22	6.0	0.00	0.00	0.00	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
PH-714	17	6.0	0.00	0.00	0.00	120.0
P-1319	11	6.0	0.00	0.00	0.00	120.0
P-1343	11	6.0	0.00	0.00	0.00	120.0
PH-406	32	6.0	0.00	0.00	0.00	120.0
P-651	76	8.0	0.00	0.00	0.00	120.0
P-1125	210	8.0	0.00	0.00	0.00	120.0
P-371	93	8.0	0.00	0.00	0.00	120.0
P-1307	12	6.0	0.00	0.00	0.00	120.0
PH-611	19	6.0	0.00	0.00	0.00	120.0
P-369	101	8.0	0.00	0.00	0.00	120.0
P-1251	20	6.0	0.00	0.00	0.00	120.0
P-1308	22	6.0	0.00	0.00	0.00	120.0
P-346	30	6.0	0.00	0.00	0.00	120.0
P-1333	12	6.0	0.00	0.00	0.00	120.0
P-1178	80	8.0	0.00	0.00	0.00	120.0
P-1297	13	6.0	0.00	0.00	0.00	120.0
P-1062	134	8.0	0.00	0.00	0.00	120.0
PH-616	34	6.0	0.00	0.00	0.00	120.0
P-1111	151	8.0	0.00	0.00	0.00	120.0
P-1323	22	6.0	0.00	0.00	0.00	120.0
P-619	154	8.0	0.00	0.00	0.00	120.0
P-1067	62	8.0	0.00	0.00	0.00	120.0
P-761	104	8.0	0.00	0.00	0.00	120.0
P-1321	12	6.0	0.00	0.00	0.00	120.0
P-1286	22	6.0	0.00	0.00	0.00	120.0
PH-704	12	6.0	0.00	0.00	0.00	120.0
P-1342	14	6.0	0.00	0.00	0.00	120.0
PH-410	15	6.0	0.00	0.00	0.00	120.0
PH-710	15	6.0	0.00	0.00	0.00	120.0
P-367	11	6.0	0.00	0.00	0.00	120.0
P-762	110	8.0	0.00	0.00	0.00	120.0
P-1285	13	6.0	0.00	0.00	0.00	120.0
P-1155	148	8.0	0.00	0.00	0.00	120.0
PH-621	18	6.0	0.00	0.00	0.00	120.0
P-377	86	8.0	0.00	0.00	0.00	120.0
P-407	201	8.0	0.00	0.00	0.00	120.0
PH-620	19	6.0	0.00	0.00	0.00	120.0
PH-618	19	6.0	0.00	0.00	0.00	120.0
PH-613	19	6.0	0.00	0.00	0.00	120.0
P-379	12	6.0	0.00	0.00	0.00	120.0
P-1322	15	6.0	0.00	0.00	0.00	120.0
P-366	77	8.0	0.00	0.00	0.00	120.0
P-1292	15	6.0	0.00	0.00	0.00	120.0
PH-407	12	6.0	0.00	0.00	0.00	120.0
P-374	98	8.0	0.00	0.00	0.00	120.0
PH-701	15	6.0	0.00	0.00	0.00	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
PGC-2	4,652	8.0	0.00	0.00	0.00	120.0
P-1209	360	8.0	0.00	0.00	0.00	120.0
P-1367	11	6.0	0.00	0.00	0.00	120.0
P-1348	21	6.0	0.00	0.00	0.00	120.0
PH-401	39	6.0	0.00	0.00	0.00	120.0
P-1302	12	6.0	0.00	0.00	0.00	120.0
P-347	14	6.0	0.00	0.00	0.00	120.0
P-373	12	6.0	0.00	0.00	0.00	120.0
PH-709	14	6.0	0.00	0.00	0.00	120.0
P-638	74	8.0	0.00	0.00	0.00	120.0
P-421	254	8.0	0.00	0.00	0.00	120.0
PH-615	36	6.0	0.00	0.00	0.00	120.0
P-1279	13	6.0	0.00	0.00	0.00	120.0
P-1355	32	6.0	0.00	0.00	0.00	120.0
P-1066	200	8.0	0.00	0.00	0.00	120.0
P-1339	15	6.0	0.00	0.00	0.00	120.0
PH-702	16	6.0	0.00	0.00	0.00	120.0
PGC-1	359	8.0	0.00	0.00	0.00	120.0
P-1275	13	6.0	0.00	0.00	0.00	120.0
P-623	110	8.0	0.00	0.00	0.00	120.0
P-376	13	6.0	0.00	0.00	0.00	120.0
P-673	77	8.0	0.00	0.00	0.00	120.0
P-383	22	8.0	0.00	0.00	0.00	120.0
P-1354	20	6.0	0.00	0.00	0.00	120.0
P-1363	37	6.0	0.00	0.00	0.00	120.0
P-668	59	8.0	0.00	0.00	0.00	120.0
P-644	161	8.0	0.00	0.00	0.00	120.0
P-1218	218	8.0	0.00	0.00	0.00	120.0
P-1268	13	6.0	0.00	0.00	0.00	120.0
PH-617	26	6.0	0.00	0.00	0.00	120.0
P-1349	26	6.0	0.00	0.00	0.00	120.0
P-1250	12	6.0	0.00	0.00	0.00	120.0
PH-606	19	6.0	0.00	0.00	0.00	120.0
PH-712	14	6.0	0.00	0.00	0.00	120.0
P-1369	22	6.0	0.00	0.00	0.00	120.0
P-1371	22	6.0	0.00	0.00	0.00	120.0
PH-609	19	6.0	0.00	0.00	0.00	120.0
P-1370	17	6.0	0.00	0.00	0.00	120.0
P-1085	58	8.0	0.00	0.00	0.00	120.0
P-1303	11	6.0	0.00	0.00	0.00	120.0
P-1074	137	8.0	0.00	0.00	0.00	120.0
P-1258	13	6.0	0.00	0.00	0.00	120.0
P-1324	13	6.0	0.00	0.00	0.00	120.0
P-365	13	8.0	0.00	0.00	0.00	120.0
PH-706	15	6.0	0.00	0.00	0.00	120.0
PH-703	13	6.0	0.00	0.00	0.00	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1289	13	6.0	0.00	0.00	0.00	120.0
P-1283	13	6.0	0.00	0.00	0.00	120.0
P-760	15	8.0	0.00	0.00	0.00	120.0
P-386	29	8.0	0.00	0.00	0.00	120.0
P-285	1,179	18.0	0.00	0.00	0.00	130.0
P-1313	12	8.0	0.00	0.00	0.00	120.0
P-284	844	18.0	0.00	0.00	0.00	130.0
P-650	160	8.0	0.00	0.00	0.00	120.0
P-402	177	8.0	0.00	0.00	0.00	120.0
P-1084	308	8.0	0.00	0.00	0.00	120.0
P-1310	13	8.0	0.00	0.00	0.00	120.0
P-413	271	8.0	0.00	0.00	0.00	120.0
P-880	68	6.0	0.00	0.00	0.00	120.0
P-430	239	8.0	0.00	0.00	0.00	120.0
P-635	129	8.0	0.00	0.00	0.00	120.0
P-1091	209	8.0	0.00	0.00	0.00	120.0
P-375	16	8.0	0.00	0.00	0.00	120.0
P-372	10	8.0	0.00	0.00	0.00	120.0
P-412	81	8.0	0.01	0.00	0.00	120.0
P-863	472	8.0	0.61	0.00	0.00	150.0
P-1016	643	8.0	3.46	0.02	0.00	120.0
P-1017	339	8.0	3.46	0.02	0.00	120.0
P-1187	100	8.0	6.88	0.04	0.00	120.0
P-1186	225	8.0	6.88	0.04	0.00	120.0
P-1179	154	8.0	0.51	0.00	0.00	120.0
P-1180	380	8.0	0.51	0.00	0.00	120.0
P-1181	381	8.0	0.51	0.00	0.00	120.0
P-1182	183	8.0	0.51	0.00	0.00	120.0
P-856	445	8.0	10.67	0.07	0.00	150.0
P-1029	382	8.0	4.43	0.03	0.00	120.0
P-1028	495	8.0	4.43	0.03	0.00	120.0
P-1030	230	8.0	4.43	0.03	0.00	120.0
P-864	528	8.0	4.56	0.03	0.00	150.0
P-1192	184	8.0	8.17	0.05	0.00	120.0
P-410	198	8.0	6.58	0.04	0.00	120.0
P-409	51	8.0	6.58	0.04	0.00	120.0
P-1(2)	168	8.0	14.53	0.09	0.00	120.0
P-1195	87	8.0	13.42	0.09	0.00	120.0
P-1196	180	8.0	13.42	0.09	0.00	120.0
P-857	980	8.0	17.93	0.11	0.01	150.0
P-1184	67	8.0	21.22	0.14	0.00	120.0
P-1185	137	8.0	21.22	0.14	0.00	120.0
P-851	146	6.0	24.71	0.28	0.01	150.0
P-727	136	8.0	30.83	0.20	0.00	120.0
P-728	112	8.0	30.83	0.20	0.00	120.0
P-729	128	8.0	30.83	0.20	0.00	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-730	92	8.0	30.83	0.20	0.00	120.0
P-734	81	8.0	30.83	0.20	0.00	120.0
P-735	100	8.0	30.83	0.20	0.00	120.0
P-731	203	8.0	30.83	0.20	0.01	120.0
P-732	199	8.0	30.83	0.20	0.01	120.0
P-733	83	8.0	30.83	0.20	0.00	120.0
P-1228	44	8.0	27.44	0.18	0.00	120.0
P-1229	393	8.0	27.44	0.18	0.01	120.0
P-1214	213	8.0	14.45	0.09	0.00	120.0
P-1215	55	8.0	14.45	0.09	0.00	120.0
P-712	202	8.0	35.59	0.23	0.01	120.0
P-713	157	8.0	35.59	0.23	0.01	120.0
P-714	134	8.0	35.59	0.23	0.01	120.0
P-715	113	8.0	35.59	0.23	0.00	120.0
P-351	142	8.0	33.08	0.21	0.01	120.0
P-747	128	8.0	33.08	0.21	0.00	120.0
P-748	20	8.0	33.08	0.21	0.00	120.0
P-749	141	8.0	33.08	0.21	0.01	120.0
P-750	208	8.0	33.08	0.21	0.01	120.0
P-751	123	8.0	33.08	0.21	0.00	120.0
P-752	94	8.0	33.08	0.21	0.00	120.0
P-753	65	8.0	33.08	0.21	0.00	120.0
P-352	68	8.0	33.08	0.21	0.00	120.0
P-353	71	8.0	33.08	0.21	0.00	120.0
P-754	83	8.0	33.08	0.21	0.00	120.0
P-757	90	8.0	33.08	0.21	0.00	120.0
P-1141	216	8.0	34.82	0.22	0.01	120.0
P-858	383	8.0	25.19	0.16	0.01	150.0
P-1199	215	8.0	27.76	0.18	0.01	120.0
P-1200	294	8.0	27.76	0.18	0.01	120.0
P-1202	90	8.0	27.76	0.18	0.00	120.0
P-1203	27	8.0	27.76	0.18	0.00	120.0
P-852	567	6.0	30.80	0.35	0.05	150.0
P-1162	176	8.0	39.09	0.25	0.01	120.0
P-1232	102	8.0	34.10	0.22	0.00	120.0
P-1233	374	8.0	34.10	0.22	0.02	120.0
P-1234	467	8.0	34.10	0.22	0.02	120.0
P-1216	156	8.0	20.80	0.13	0.00	120.0
P-1142	247	8.0	35.41	0.23	0.01	120.0
P-1143	306	8.0	35.41	0.23	0.01	120.0
P-1208	14	8.0	34.33	0.22	0.00	120.0
P-1163	146	8.0	38.57	0.25	0.01	120.0
P-1164	118	8.0	38.57	0.25	0.01	120.0
P-859	1,024	8.0	32.45	0.21	0.03	150.0
P-853	830	6.0	36.89	0.42	0.10	150.0
P-1219	393	8.0	37.81	0.24	0.02	120.0

GBWC-PD 2024 IRP - Mountain Falls System
Existing (2022) PHD Condition Distribution System Pipe Report
Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1220	353	8.0	37.81	0.24	0.02	120.0
P-1221	214	8.0	37.81	0.24	0.01	120.0
P-1235	122	8.0	40.76	0.26	0.01	120.0
P-1237	284	8.0	40.76	0.26	0.02	120.0
P-1239	240	8.0	40.77	0.26	0.01	120.0
P-1240	37	8.0	40.77	0.26	0.00	120.0
P-1211	36	8.0	40.68	0.26	0.00	120.0
P-1212	436	8.0	40.68	0.26	0.02	120.0
P-1213	153	8.0	40.68	0.26	0.01	120.0
P-881	406	8.0	40.32	0.26	0.02	120.0
P-882	400	8.0	40.32	0.26	0.02	120.0
P-869	388	8.0	43.21	0.28	0.02	150.0
P-854	563	6.0	42.98	0.49	0.09	150.0
P-855	151	6.0	42.98	0.49	0.03	150.0
P-1144	80	8.0	51.41	0.33	0.01	120.0
P-1183.1	200	8.0	53.10	0.34	0.02	120.0
P-838	157	8.0	56.43	0.36	0.01	150.0
P-847	130	8.0	53.86	0.34	0.01	150.0
P-1069	275	8.0	45.64	0.29	0.02	120.0
P-1071	56	8.0	45.65	0.29	0.00	120.0
P-1072	278	8.0	45.65	0.29	0.02	120.0
P-1076	147	8.0	45.65	0.29	0.01	120.0
P-1075	144	8.0	45.65	0.29	0.01	120.0
P-1079	199	8.0	45.65	0.29	0.01	120.0
P-1080	94	8.0	45.66	0.29	0.01	120.0
P-870	622	8.0	48.23	0.31	0.03	150.0
P-883	348	8.0	46.41	0.30	0.02	120.0
P-1146	217	8.0	59.70	0.38	0.02	120.0
P-848	717	8.0	59.02	0.38	0.05	150.0
P-871	866	8.0	53.24	0.34	0.05	150.0
P-338	135	12.0	91.62	0.26	0.00	120.0
P-702	160	12.0	91.62	0.26	0.01	120.0
P-704	90	12.0	91.62	0.26	0.00	120.0
P-709	119	12.0	91.62	0.26	0.00	120.0
P-710	92	12.0	91.62	0.26	0.00	120.0
P-705	41	12.0	91.62	0.26	0.00	120.0
P-706	204	12.0	91.62	0.26	0.01	120.0
P-707	119	12.0	91.62	0.26	0.00	120.0
P-708	114	12.0	91.62	0.26	0.00	120.0
P-884	503	8.0	52.51	0.34	0.05	120.0
P-723	233	12.0	96.39	0.27	0.01	120.0
P-722	122	12.0	96.39	0.27	0.00	120.0
P-839	1,534	8.0	66.69	0.43	0.14	150.0
P-1183	206	8.0	62.28	0.40	0.03	120.0
P-849	788	8.0	64.18	0.41	0.07	150.0
P-872	229	8.0	58.26	0.37	0.02	150.0

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Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1222	153	8.0	70.40	0.45	0.02	120.0
P-885	616	8.0	58.60	0.37	0.07	120.0
P-701	725	12.0	117.89	0.33	0.04	120.0
P-614	72	8.0	67.83	0.43	0.01	120.0
P-613	188	8.0	67.83	0.43	0.03	120.0
P-612	118	8.0	67.83	0.43	0.02	120.0
P-1131	255	8.0	60.43	0.39	0.03	120.0
P-1083	285	8.0	59.77	0.38	0.03	120.0
P-850	373	8.0	69.34	0.44	0.04	150.0
P-738	77	12.0	103.46	0.29	0.00	120.0
P-350	109	12.0	103.46	0.29	0.00	120.0
P-739	185	12.0	103.46	0.29	0.01	120.0
P-740	207	12.0	103.46	0.29	0.01	120.0
P-349	184	12.0	103.46	0.29	0.01	120.0
P-1207	202	8.0	72.13	0.46	0.03	120.0
P-1206	201	8.0	72.71	0.46	0.03	120.0
P-725	43	12.0	105.71	0.30	0.00	120.0
P-726	83	12.0	105.71	0.30	0.00	120.0
P-1133	266	8.0	64.25	0.41	0.03	120.0
P-1134	141	8.0	64.25	0.41	0.02	120.0
P-840	1,335	8.0	76.94	0.49	0.16	150.0
P-1227	191	8.0	87.94	0.56	0.04	120.0
P-717	125	12.0	127.22	0.36	0.01	120.0
P-718	35	12.0	127.22	0.36	0.00	120.0
P-720	6	12.0	127.22	0.36	0.00	120.0
P-842	1,313	8.0	86.75	0.55	0.20	150.0
P-745	47	12.0	112.78	0.32	0.00	120.0
P-344	89	12.0	112.78	0.32	0.00	120.0
P-41	182	8.0	92.04	0.59	0.05	120.0
P-42	65	8.0	92.04	0.59	0.02	120.0
P-40	58	8.0	92.04	0.59	0.01	120.0
P-39	208	8.0	92.04	0.59	0.05	120.0
P-841	713	8.0	87.20	0.56	0.11	150.0
P-865	169	8.0	87.25	0.56	0.03	150.0
P-843	870	8.0	95.07	0.61	0.16	150.0
P-873	258	8.0	86.79	0.55	0.04	150.0
P-736	131	12.0	136.54	0.39	0.01	120.0
P-737	112	12.0	136.54	0.39	0.01	120.0
P-38	55	8.0	98.61	0.63	0.02	120.0
P-866	687	8.0	91.47	0.58	0.11	150.0
P-874	1,291	8.0	91.52	0.58	0.22	150.0
P-1243	319	8.0	107.92	0.69	0.11	120.0
P-867	584	8.0	95.70	0.61	0.11	150.0
P-844	561	8.0	103.39	0.66	0.12	150.0
P-611.1	33	8.0	103.33	0.66	0.01	120.0
P-30	158	8.0	103.33	0.66	0.05	120.0

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Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-28	100	8.0	103.33	0.66	0.03	120.0
P-29	153	8.0	103.33	0.66	0.05	120.0
P-875	283	8.0	96.26	0.61	0.05	150.0
P-345	201	12.0	145.87	0.41	0.02	120.0
P-868	151	8.0	99.92	0.64	0.03	150.0
P-26(2)	261	6.0	111.70	1.27	0.39	120.0
P-1056	215	8.0	111.94	0.71	0.08	120.0
P-1057	32	8.0	111.94	0.71	0.01	120.0
P-1059	499	8.0	111.94	0.71	0.18	120.0
P-1086	170	8.0	113.60	0.73	0.06	120.0
P-1087	266	8.0	113.60	0.73	0.10	120.0
P-1382	172	12.0	158.18	0.45	0.02	120.0
P-7	128	8.0	139.57	0.89	0.07	120.0
P-8	212	8.0	139.57	0.89	0.12	120.0
P-6	54	8.0	139.58	0.89	0.03	120.0
P-4	43	8.0	139.58	0.89	0.02	120.0
P-5	308	8.0	139.58	0.89	0.17	120.0
P-2	145	8.0	139.58	0.89	0.08	120.0
P-3	173	8.0	139.58	0.89	0.10	120.0
P-1105	108	8.0	153.45	0.98	0.07	120.0
P-1108	168	8.0	153.45	0.98	0.11	120.0
P-1109	136	8.0	153.45	0.98	0.09	120.0
P-1112	164	8.0	153.45	0.98	0.11	120.0
P-1113	140	8.0	153.46	0.98	0.09	120.0
P-1116	265	8.0	153.46	0.98	0.17	120.0
P-600	275	8.0	152.79	0.98	0.18	120.0
P-34	45	8.0	152.79	0.98	0.03	120.0
P-876	1,807	8.0	139.34	0.89	0.66	150.0
P-766	233	12.0	177.43	0.50	0.03	120.0
P-767	311	12.0	177.43	0.50	0.04	120.0
P-846	190	8.0	148.51	0.95	0.08	150.0
P-1061	222	8.0	145.13	0.93	0.13	120.0
P-1064	205	8.0	145.13	0.93	0.12	120.0
P-1068	246	8.0	145.14	0.93	0.15	120.0
P-1065	57	8.0	145.14	0.93	0.03	120.0
P-1(1)	389	8.0	153.87	0.98	0.26	120.0
P-877	1,654	8.0	148.81	0.95	0.68	150.0
P-1378	50	12.0	203.25	0.58	0.01	120.0
P-1379(1)	445	12.0	203.25	0.58	0.07	120.0
P-301(4)	247	12.0	169.44	0.48	0.03	120.0
P-302(1)	1,274	12.0	169.44	0.48	0.14	120.0
P-33	65	8.0	171.15	1.09	0.05	120.0
P-32	279	8.0	171.15	1.09	0.22	120.0
P-27	152	8.0	171.16	1.09	0.12	120.0
P-1379(2)	342	12.0	212.25	0.60	0.06	120.0
P-299	567	12.0	188.61	0.54	0.08	120.0

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Existing (2022) PHD Condition Distribution System Pipe Report
Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-300(1)	521	12.0	188.61	0.54	0.07	120.0
P-596	329	12.0	198.04	0.56	0.05	120.0
P-301(1)	350	12.0	197.61	0.56	0.05	120.0
P-300(2)	1,560	12.0	197.61	0.56	0.23	120.0
P-1372	475	12.0	207.22	0.59	0.08	120.0
P-628	941	12.0	207.80	0.59	0.15	120.0
P-1090	215	8.0	173.37	1.11	0.18	120.0
P-257(4)	457	12.0	186.02	0.53	0.06	120.0
P-26(1)	523	6.0	194.40	2.21	2.17	120.0
P-558	97	12.0	237.13	0.67	0.02	120.0
P-257(2)	692	12.0	214.56	0.61	0.12	120.0
P-302(3)	212	12.0	228.11	0.65	0.04	120.0
P-301(3)	617	12.0	248.01	0.70	0.14	120.0
P-302(2)	245	12.0	238.78	0.68	0.05	120.0
P-792	281	12.0	260.32	0.74	0.07	120.0
P-793	438	12.0	260.32	0.74	0.11	120.0
P-821	230	12.0	278.04	0.79	0.06	120.0
P-820	492	12.0	278.04	0.79	0.14	120.0
P-878	1,526	8.0	240.98	1.54	1.53	150.0
P-302(4)	108	12.0	260.56	0.74	0.03	120.0
P-795	90	12.0	279.93	0.79	0.03	120.0
P-1373	176	12.0	279.93	0.79	0.05	120.0
P-796	377	12.0	279.93	0.79	0.10	120.0
P-879	192	8.0	250.45	1.60	0.21	150.0
P-301(2)	101	12.0	284.82	0.81	0.03	120.0
P-257(3)	374	12.0	272.82	0.77	0.10	120.0
P-257(5)	855	12.0	285.94	0.81	0.25	120.0
P-1376	26	12.0	365.98	1.04	0.01	120.0
P-257(1)(1)	70	12.0	336.02	0.95	0.03	120.0
P-257(1)(2)	69	12.0	345.02	0.98	0.03	120.0
P-257(6)	131	12.0	382.20	1.08	0.06	120.0
P-309(1)	2,118	12.0	396.72	1.13	1.12	120.0
P-310	574	12.0	405.72	1.15	0.32	120.0
P-309(2)	513	12.0	405.72	1.15	0.28	120.0
P-275(1)	1,559	12.0	517.43	1.47	1.35	120.0
P-680	87	12.0	513.83	1.46	0.07	120.0
P-679	420	12.0	513.83	1.46	0.36	120.0
P-1377	725	12.0	515.45	1.46	0.62	120.0
P-724	175	12.0	515.45	1.46	0.15	120.0
P-1383	347	12.0	627.71	1.78	0.43	120.0
P-458	60	12.0	660.59	1.87	0.08	120.0
P-460	293	12.0	660.59	1.87	0.40	120.0
P-275(2)	597	12.0	767.88	2.18	1.08	120.0
P-399	327	12.0	790.47	2.24	0.62	120.0
P-689	720	12.0	822.50	2.33	1.47	120.0
P-692	94	12.0	822.50	2.33	0.19	120.0

GBWC-PD 2024 IRP - Mountain Falls System
Existing (2022) PHD Condition Distribution System Pipe Report
Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-695	39	12.0	822.50	2.33	0.08	120.0
P-696(1)	267	12.0	822.51	2.33	0.55	120.0
P-696(2)	153	12.0	831.51	2.36	0.32	120.0
P-1384	408	12.0	858.32	2.43	0.90	120.0
P-455	112	12.0	858.32	2.43	0.25	120.0
P-260(2)(1)(1)(1)	293	18.0	860.36	1.08	0.08	130.0
P-260(2)(1)(1)(2)	259	18.0	860.36	1.08	0.07	130.0
P-260(2)(1)(2)	134	18.0	869.36	1.10	0.04	130.0
P-260(1)	169	18.0	900.67	1.14	0.05	130.0
P-823	838	12.0	900.67	2.56	2.03	120.0
P-824	13	12.0	900.67	2.56	0.03	120.0
P-1094	309	8.0	997.75	6.37	6.52	120.0
P-1095	584	8.0	1,009.31	6.44	12.59	120.0
P-1096	412	8.0	1,009.31	6.44	8.88	120.0
P-1097	403	8.0	1,009.31	6.44	8.69	120.0
P-1098	459	8.0	1,009.32	6.44	9.89	120.0
P-260(2)(2)	105	18.0	927.96	1.17	0.03	130.0
P-1100	102	8.0	1,020.88	6.52	2.25	120.0
P-1101	475	8.0	1,020.88	6.52	10.46	120.0
P-1102	6	8.0	1,174.34	7.50	0.17	120.0
P-1103	166	8.0	1,174.34	7.50	4.74	120.0
P-1125.2	55	8.0	1,627.25	10.39	2.87	120.0

GBWC-PD 2024 IRP - Mountain Falls System
Action (2027) MDD Condition Distribution System Junction Report
JCT-IRP - Time: 0.00 hours

Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1081	2,760.00	MF	0.00	2,894.75	58.30
J-1082	2,758.00	MF	6.93	2,897.06	60.16
J-1080	2,760.00	MF	0.00	2,900.81	60.92
J-1083	2,755.00	MF	0.00	2,901.52	63.39
J-1079	2,756.00	MF	0.00	2,902.55	63.40
J-1112	2,754.29	MF	0.00	2,903.57	64.59
J-1111	2,754.00	MF	0.00	2,908.03	66.64
J-1110	2,753.00	MF	0.00	2,908.03	67.07
J-1218	2,747.00	MF	0.00	2,902.55	67.30
J-1084	2,749.00	MF	0.00	2,904.68	67.35
J-1108	2,752.00	MF	0.00	2,908.03	67.51
J-1109	2,752.00	MF	0.00	2,908.03	67.51
J-1078	2,746.00	MF	0.00	2,902.55	67.73
J-1107	2,748.00	MF	0.00	2,908.03	69.24
J-556	2,760.00	MF	3.65	2,923.22	70.62
J-1106	2,746.00	MF	0.00	2,910.37	71.11
J-1103	2,747.00	MF	0.00	2,912.66	71.67
J-1104	2,747.00	MF	0.00	2,912.66	71.67
J-1105	2,747.00	MF	0.00	2,912.66	71.67
J-1085	2,742.00	MF	0.00	2,907.76	71.71
J-1124	2,750.00	MF	0.00	2,917.78	72.59
J-555	2,755.00	MF	3.65	2,923.21	72.78
J-1123	2,749.00	MF	0.00	2,917.78	73.02
J-1087	2,741.00	MF	0.00	2,911.27	73.67
J-1086	2,740.00	MF	6.93	2,911.27	74.10
J-1094	2,744.00	MF	0.00	2,915.58	74.23
J-553	2,752.00	MF	0.00	2,923.19	74.07
J-1120	2,746.00	MF	2.29	2,917.78	74.32
J-1122	2,746.00	MF	0.00	2,917.78	74.32
J-1091	2,743.00	MF	6.93	2,915.55	74.66
J-1093	2,743.00	MF	0.00	2,915.58	74.67
J-1121	2,745.00	MF	0.00	2,917.78	74.76
J-1088	2,739.00	MF	0.00	2,912.06	74.88
J8	2,748.00	MF	0.00	2,920.97	74.84
J5	2,750.00	MF	0.00	2,923.16	74.92
J-1066	2,749.00	MF	0.00	2,922.31	74.98
J-1098	2,742.00	MF	0.00	2,915.65	75.13
J-703	2,743.79	MF	0.00	2,917.71	75.25
J-704	2,743.64	MF	0.00	2,917.72	75.31
J-705	2,743.35	MF	0.00	2,917.72	75.44
J-1067	2,748.00	MF	0.00	2,922.31	75.42
J-1071	2,748.00	MF	0.00	2,922.32	75.42
J-554	2,749.00	MF	3.65	2,923.20	75.37
J-1102	2,741.00	MF	0.00	2,915.72	75.59
J-1119	2,743.00	MF	0.00	2,917.78	75.62

GBWC-PD 2024 IRP - Mountain Falls System
Action (2027) MDD Condition Distribution System Junction Report
JCT-IRP - Time: 0.00 hours

Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-712	2,742.56	MF	0.00	2,917.72	75.78
J-347	2,743.00	MF	0.00	2,918.22	75.81
J-702	2,742.22	MF	0.00	2,917.71	75.93
J-1092	2,740.00	MF	0.00	2,915.58	75.96
J-1070	2,747.00	MF	0.00	2,922.32	75.85
J-706	2,741.99	MF	0.00	2,917.72	76.03
J-1101	2,740.00	MF	0.00	2,915.72	76.02
J-1118	2,742.00	MF	0.00	2,917.78	76.05
J-711	2,741.87	MF	0.00	2,917.71	76.08
J-713	2,741.46	MF	0.00	2,917.72	76.26
J-707	2,741.15	MF	0.00	2,917.72	76.39
J6	2,747.00	MF	0.00	2,923.16	76.22
J-1074	2,746.00	MF	0.00	2,922.33	76.29
J-1097	2,739.00	MF	0.00	2,915.65	76.43
J17	2,740.72	MF	5.59	2,917.71	76.58
J-714	2,740.53	MF	0.00	2,917.72	76.66
J-501	2,746.00	MF	0.00	2,922.84	76.51
J-493	2,741.00	MF	0.00	2,918.19	76.66
J-708	2,740.39	MF	0.00	2,917.72	76.72
J-1062	2,745.00	MF	0.00	2,922.30	76.71
J-1069	2,745.00	MF	8.46	2,922.32	76.72
J3	2,746.00	MF	0.00	2,923.26	76.69
J-1117	2,740.00	MF	0.00	2,917.76	76.91
J-715	2,739.73	MF	0.00	2,917.72	77.01
J-557	2,745.67	MF	0.00	2,923.25	76.83
J-709	2,739.59	MF	0.00	2,917.72	77.07
J-563	2,745.25	MF	5.40	2,923.24	77.00
J-1063	2,744.00	MF	0.00	2,922.30	77.14
J-1065	2,744.00	MF	0.00	2,922.31	77.15
J-1073	2,744.00	MF	0.00	2,922.33	77.15
J-1095	2,737.00	MF	0.00	2,915.62	77.28
J-1096	2,737.00	MF	0.00	2,915.65	77.29
J-1099	2,737.00	MF	0.00	2,915.68	77.31
J-710	2,738.98	MF	0.00	2,917.72	77.33
J-1100	2,737.00	MF	0.00	2,915.72	77.32
J-1116	2,739.00	MF	2.29	2,917.76	77.34
GC-3	2,744.45	MF	0.00	2,923.21	77.34
J-1068	2,743.00	MF	0.00	2,922.32	77.58
J-1072	2,743.00	MF	0.00	2,922.33	77.59
J-716	2,738.06	MF	0.00	2,917.73	77.73
J-717	2,737.80	MF	0.00	2,917.73	77.85
J-726	2,737.80	MF	0.00	2,917.73	77.85
J-552	2,743.53	MF	0.00	2,923.18	77.73
J-727	2,737.20	MF	0.00	2,917.73	78.11
J-1138	2,737.00	MF	0.00	2,917.56	78.12

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J-1159	2,737.00	MF	4.63	2,917.59	78.13
J-1161	2,737.00	MF	0.00	2,917.59	78.13
J-1153	2,737.00	MF	0.00	2,917.59	78.13
J-500	2,743.00	MF	0.00	2,923.15	77.94
J-1059	2,742.00	MF	0.00	2,922.29	78.00
J4	2,743.00	MF	0.00	2,923.16	77.95
J-1064	2,742.00	MF	0.00	2,922.31	78.01
J-1077	2,742.00	MF	0.00	2,922.34	78.02
J-718	2,737.02	MF	0.00	2,917.73	78.18
J-374	2,736.93	MF	0.00	2,917.69	78.21
J-719	2,736.92	MF	0.00	2,917.73	78.23
J-1113	2,737.00	MF	2.29	2,917.80	78.22
J-1137	2,736.00	MF	4.97	2,917.56	78.55
J-1139	2,736.00	MF	0.00	2,917.56	78.55
J-1141	2,736.00	MF	0.00	2,917.56	78.55
J-1160	2,736.00	MF	0.00	2,917.59	78.57
J-1158	2,736.00	MF	0.00	2,917.59	78.57
J-1154	2,736.00	MF	0.00	2,917.59	78.57
J-1060	2,741.00	MF	0.00	2,922.30	78.44
J-1061	2,741.00	MF	0.00	2,922.30	78.44
J-1115	2,736.00	MF	0.00	2,917.75	78.64
J-1114	2,736.00	MF	0.00	2,917.75	78.64
J-720	2,735.94	MF	0.00	2,917.73	78.65
J-1089	2,734.00	MF	0.00	2,915.78	78.65
J-1090	2,734.00	MF	0.00	2,915.84	78.67
J-370	2,736.00	MF	0.00	2,917.88	78.69
J-728	2,735.66	MF	0.00	2,917.73	78.77
J-1136	2,735.00	MF	0.00	2,917.56	78.99
J-1058	2,740.00	MF	0.00	2,922.29	78.87
J-729	2,735.09	MF	0.00	2,917.73	79.02
J-721	2,735.04	MF	0.00	2,917.73	79.04
J-1056	2,739.00	MF	0.00	2,922.23	79.28
J-1140	2,734.00	MF	0.00	2,917.56	79.42
J-1156	2,734.00	MF	4.63	2,917.59	79.43
J-1151	2,734.00	MF	0.00	2,917.59	79.43
J-1149	2,734.00	MF	0.00	2,917.59	79.43
J-1150	2,734.00	MF	0.00	2,917.59	79.43
J-1076	2,739.00	MF	0.00	2,922.35	79.33
J30	2,734.00	MF	0.00	2,917.67	79.47
J52	2,734.00	MF	0.00	2,917.70	79.48
J-730	2,733.82	MF	0.00	2,917.74	79.57
J-346	2,733.00	MF	0.00	2,917.51	79.83
J-1135	2,733.00	MF	0.00	2,917.56	79.85
J-1134	2,733.00	MF	0.00	2,917.57	79.85
J-1162	2,733.00	MF	0.00	2,917.59	79.86

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J-1155	2,733.00	MF	0.00	2,917.59	79.86
J-1152	2,733.00	MF	0.00	2,917.59	79.86
J-1148	2,733.00	MF	0.00	2,917.59	79.86
J-1057	2,738.00	MF	8.46	2,922.29	79.73
J-1039	2,738.00	MF	0.00	2,922.33	79.75
J-722	2,733.05	MF	5.59	2,917.73	79.90
J-731	2,732.58	MF	0.00	2,917.74	80.11
J-1040	2,737.00	MF	0.00	2,922.21	80.13
J-492	2,732.00	MF	0.00	2,917.52	80.26
J-1055	2,737.00	MF	0.00	2,922.23	80.14
J-1142	2,732.00	MF	0.00	2,917.56	80.28
J-1130	2,732.00	MF	0.00	2,917.57	80.29
J-1147	2,732.00	MF	0.00	2,917.59	80.30
J-1075	2,737.00	MF	0.00	2,922.31	80.18
J-1037	2,737.00	MF	0.00	2,922.33	80.18
J-732	2,732.02	MF	0.00	2,917.74	80.35
J-1049	2,736.00	MF	0.00	2,922.08	80.51
J-1041	2,736.00	MF	0.00	2,922.15	80.54
J-1051	2,736.00	MF	0.00	2,922.18	80.55
J-1053	2,736.00	MF	0.00	2,922.22	80.57
J-1054	2,736.00	MF	0.00	2,922.23	80.57
J-1143	2,731.00	MF	0.00	2,917.56	80.72
J-1038	2,736.00	MF	0.00	2,922.33	80.62
J27	2,736.00	MF	0.00	2,922.41	80.65
J-733	2,730.74	MF	0.00	2,917.74	80.91
J-723	2,730.64	MF	0.00	2,917.74	80.95
J-1042	2,735.00	MF	0.00	2,922.12	80.96
J-1050	2,735.00	MF	0.00	2,922.18	80.98
J-1052	2,735.00	MF	0.00	2,922.18	80.98
J-724	2,730.24	MF	0.00	2,917.74	81.12
J-1125	2,730.00	MF	4.97	2,917.56	81.15
J-1132	2,730.00	MF	0.00	2,917.57	81.15
J-1146	2,730.00	MF	4.63	2,917.59	81.16
J-1176	2,730.00	MF	0.00	2,917.67	81.20
J-491	2,735.00	MF	0.00	2,922.36	81.06
J-725	2,729.79	MF	0.00	2,917.74	81.32
J-744	2,729.58	MF	0.00	2,917.75	81.41
J-1045	2,734.00	MF	0.00	2,922.07	81.37
J-1047	2,734.00	MF	0.00	2,922.08	81.37
J-562	2,729.17	MF	5.40	2,917.54	81.50
J-1131	2,729.00	MF	0.00	2,917.57	81.58
J-1170	2,729.00	MF	0.00	2,917.67	81.63
GC-1	2,735.00	MF	0.00	2,923.26	81.45
J-1035	2,733.00	MF	0.00	2,921.53	81.57
J-734	2,728.87	MF	0.00	2,917.74	81.72

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J-745	2,728.65	MF	0.00	2,917.75	81.81
J-746	2,728.41	MF	0.00	2,917.75	81.92
J-1046	2,733.00	MF	8.46	2,922.05	81.79
J-1048	2,733.00	MF	0.00	2,922.08	81.81
J-1043	2,733.00	MF	0.00	2,922.09	81.81
J-304	2,733.00	MF	0.00	2,922.13	81.83
J-735	2,728.25	MF	0.00	2,917.75	81.99
J-1133	2,728.00	MF	0.00	2,917.57	82.02
J-1144	2,728.00	MF	0.00	2,917.59	82.03
J-1018	2,732.00	MF	0.00	2,921.54	82.00
J-736	2,727.74	MF	0.00	2,917.75	82.21
J-1044	2,732.00	MF	0.00	2,922.09	82.24
J-747	2,727.25	MF	0.00	2,917.75	82.42
J-384	2,727.00	MF	0.00	2,917.56	82.45
J-1126	2,727.00	MF	0.00	2,917.57	82.45
J-1127	2,727.00	MF	0.00	2,917.57	82.45
J-1157	2,727.00	MF	0.00	2,917.59	82.46
J-1173	2,727.00	MF	0.00	2,917.67	82.49
J-1032	2,731.00	MF	0.00	2,921.53	82.44
J-1036	2,731.00	MF	0.00	2,921.53	82.44
J-1019	2,731.00	MF	0.00	2,921.54	82.44
J-737	2,726.61	MF	0.00	2,917.75	82.70
J-495	2,726.00	MF	0.00	2,917.57	82.88
J-1128	2,726.00	MF	4.97	2,917.57	82.88
J-1145	2,726.00	MF	0.00	2,917.59	82.89
J-1168	2,726.00	MF	0.00	2,917.67	82.93
J-1169	2,726.00	MF	0.00	2,917.67	82.93
J-1033	2,730.00	MF	0.00	2,921.53	82.87
J-1034	2,730.00	MF	0.00	2,921.53	82.87
J-1029	2,730.00	MF	0.00	2,921.53	82.87
J29	2,730.00	MF	0.00	2,921.86	83.01
J-748	2,725.58	MF	0.00	2,917.75	83.14
J-302	2,730.00	MF	0.00	2,921.95	83.05
J-303	2,730.00	MF	0.00	2,921.98	83.06
J-1216	2,729.00	MF	0.00	2,921.12	83.12
J-1129	2,725.00	MF	0.00	2,917.57	83.32
J-390	2,725.00	MF	0.00	2,917.58	83.32
J-1167	2,725.00	MF	0.00	2,917.67	83.36
J-1172	2,725.00	MF	0.00	2,917.67	83.36
J-1030	2,729.00	MF	0.00	2,921.53	83.30
J-1020	2,729.00	MF	5.36	2,921.54	83.30
J-1017	2,729.00	MF	0.00	2,921.54	83.30
J-1022	2,729.00	MF	0.00	2,921.54	83.30
J-738	2,724.75	MF	0.00	2,917.75	83.50
J-1217	2,728.00	MF	0.00	2,921.19	83.59

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J-1174	2,724.00	MF	0.00	2,917.67	83.79
J-1031	2,728.00	MF	5.36	2,921.53	83.73
J-1026	2,728.00	MF	0.00	2,921.53	83.73
J-1028	2,728.00	MF	0.00	2,921.53	83.73
J-1027	2,728.00	MF	0.00	2,921.53	83.73
J-749	2,723.86	MF	0.00	2,917.76	83.89
J-739	2,723.70	MF	0.00	2,917.75	83.96
J45	2,723.00	MF	0.00	2,917.59	84.19
J-1163	2,723.00	MF	0.00	2,917.59	84.19
J-1006	2,726.00	MF	0.00	2,920.51	84.15
J-1005	2,726.00	MF	0.00	2,920.51	84.16
J-1164.1	2,723.00	MF	0.00	2,917.67	84.22
J-1165	2,723.00	MF	0.00	2,917.67	84.23
J-1166	2,723.00	MF	0.00	2,917.67	84.23
J-1171	2,723.00	MF	3.92	2,917.67	84.23
J-227	2,723.02	MF	0.00	2,917.76	84.25
J-759	2,722.99	MF	0.00	2,917.76	84.27
J-1024	2,727.00	MF	5.36	2,921.53	84.17
J-1023	2,727.00	MF	0.00	2,921.53	84.17
J-1021	2,727.00	MF	0.00	2,921.54	84.17
J-267	2,727.00	MF	0.00	2,921.54	84.17
J-228	2,722.82	MF	0.00	2,917.76	84.34
J-756	2,722.60	MF	0.00	2,917.76	84.44
J-750	2,722.52	MF	0.00	2,917.76	84.47
J-564	2,726.27	MF	5.40	2,921.42	84.43
J-742	2,722.24	MF	0.00	2,917.76	84.59
J-758	2,722.13	MF	0.00	2,917.76	84.64
J-1002	2,725.00	MF	0.00	2,920.53	84.59
J-1003	2,725.00	MF	0.00	2,920.53	84.59
J-1011	2,725.00	MF	0.00	2,920.54	84.60
J-740	2,722.09	MF	0.00	2,917.76	84.66
J-1164	2,722.00	MF	3.92	2,917.67	84.66
J-1009	2,725.00	MF	6.40	2,920.55	84.60
J-1175	2,722.00	MF	0.00	2,917.67	84.66
J-1025	2,726.00	MF	0.00	2,921.53	84.60
J-751	2,721.63	MF	0.00	2,917.76	84.86
J-755	2,721.63	MF	0.00	2,917.76	84.86
J-757	2,721.54	MF	0.00	2,917.76	84.89
J-488	2,725.00	MF	0.00	2,921.19	84.88
J-490	2,725.00	MF	0.00	2,921.22	84.90
J-1007	2,724.00	MF	0.00	2,920.50	85.01
J-1012	2,724.00	MF	0.00	2,920.52	85.02
J-1013	2,724.00	MF	0.00	2,920.52	85.02
J-1220	2,721.00	MF	0.00	2,917.66	85.09
J-1009.2	2,724.00	MF	0.00	2,920.55	85.04

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J-1177	2,721.00	MF	0.00	2,917.67	85.09
J-1178	2,721.00	MF	0.00	2,917.68	85.09
J-1179	2,721.00	MF	0.00	2,917.68	85.09
J-1180	2,721.00	MF	0.00	2,917.68	85.09
J-752	2,720.99	MF	0.00	2,917.76	85.13
J-741	2,720.59	MF	5.59	2,917.76	85.31
J-753	2,720.47	MF	0.00	2,917.76	85.36
J-486	2,724.00	MF	0.00	2,921.12	85.29
J-430	2,720.46	MF	0.00	2,917.80	85.38
J-496	2,720.00	MF	0.00	2,917.63	85.50
J-1014	2,723.00	MF	0.00	2,920.52	85.46
J-1009.1	2,723.00	MF	0.00	2,920.55	85.47
J-1182	2,720.00	MF	0.00	2,917.68	85.53
J-1181	2,720.00	MF	3.92	2,917.68	85.53
J-754	2,720.03	MF	0.00	2,917.76	85.55
J-429	2,720.03	MF	0.00	2,917.80	85.56
J-1193	2,720.00	MF	0.00	2,917.78	85.57
J-743	2,719.69	MF	0.00	2,917.76	85.70
J-1219	2,719.00	MF	0.00	2,917.60	85.93
J-1008.1	2,722.00	MF	0.00	2,920.51	85.88
J-1001	2,722.00	MF	0.00	2,920.53	85.89
J-1000	2,722.00	MF	0.00	2,920.53	85.89
J-1010	2,722.00	MF	0.00	2,920.55	85.90
J-447	2,718.99	MF	0.00	2,917.69	85.97
J-428	2,718.69	MF	0.00	2,917.80	86.14
J-497	2,718.22	MF	0.00	2,917.70	86.30
J-1008.2	2,721.00	MF	0.00	2,920.41	86.27
J-1008	2,721.00	MF	6.40	2,920.49	86.31
J-1004	2,721.00	MF	0.00	2,920.52	86.32
J-484	2,721.00	MF	0.00	2,920.56	86.34
J-427	2,718.05	MF	0.00	2,917.80	86.42
J-1186	2,718.00	MF	0.00	2,917.76	86.43
J-1192	2,718.00	MF	0.00	2,917.78	86.43
J-426	2,717.66	MF	0.00	2,917.79	86.59
J-015	2,717.50	MF	0.00	2,917.78	86.65
J-458	2,717.45	MF	0.00	2,917.78	86.67
J-266	2,720.00	MF	0.00	2,920.43	86.72
J14	2,717.17	MF	0.00	2,917.77	86.79
J53	2,720.00	MF	0.00	2,920.59	86.78
J-425	2,717.03	MF	3.94	2,917.80	86.86
J-1185	2,717.00	MF	0.00	2,917.76	86.86
J-1188	2,717.00	MF	0.00	2,917.77	86.87
J-1191	2,717.00	MF	3.81	2,917.78	86.87
J-1204	2,717.00	MF	0.00	2,917.83	86.89
J-421	2,716.98	MF	0.00	2,917.88	86.92

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Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1016	2,719.00	MF	0.00	2,920.46	87.16
J-1215	2,719.00	MF	0.00	2,920.46	87.16
J-1190	2,716.00	MF	0.00	2,917.78	87.30
J-1203	2,716.00	MF	0.00	2,917.83	87.32
J-1205	2,716.00	MF	0.00	2,917.83	87.32
J-419	2,715.72	MF	0.00	2,917.88	87.47
J-420	2,715.33	MF	0.00	2,917.88	87.64
J-1015	2,718.00	MF	6.40	2,920.46	87.60
J31	2,715.00	MF	0.00	2,917.74	87.71
J-424	2,715.00	MF	0.00	2,917.82	87.75
J-418	2,714.86	MF	0.00	2,917.88	87.84
J-448	2,714.53	MF	0.00	2,917.75	87.93
J-619	2,714.74	MF	0.00	2,918.18	88.02
J-416	2,714.27	MF	0.00	2,917.88	88.09
J-550	2,716.00	MF	5.68	2,919.59	88.08
J-1183	2,714.00	MF	0.00	2,917.76	88.16
J-1184	2,714.00	MF	3.81	2,917.76	88.16
J-1187	2,714.00	MF	0.00	2,917.76	88.16
J-1189	2,714.00	MF	0.00	2,917.78	88.16
J-1199	2,714.00	MF	0.00	2,917.78	88.17
J-1202	2,714.00	MF	3.99	2,917.83	88.19
J-417	2,713.82	MF	0.00	2,917.88	88.29
J-413	2,713.65	MF	0.00	2,917.88	88.36
J-618	2,713.79	MF	0.00	2,918.18	88.43
J-607	2,713.59	MF	8.56	2,918.07	88.47
J-606	2,713.51	MF	0.00	2,918.07	88.50
J-415	2,713.32	MF	0.00	2,917.88	88.50
J-423	2,713.02	MF	0.00	2,917.84	88.62
J-1200	2,713.00	MF	0.00	2,917.82	88.62
J-1209	2,713.00	MF	0.00	2,917.84	88.63
J-617	2,713.00	MF	0.00	2,918.18	88.77
J-255	2,715.00	MF	0.00	2,920.27	88.81
J-605	2,712.59	MF	0.00	2,918.07	88.90
J-414	2,712.14	MF	0.00	2,917.88	89.02
J-1194	2,712.00	MF	0.00	2,917.77	89.03
J-1198	2,712.00	MF	0.00	2,917.78	89.03
J-1197	2,712.00	MF	0.00	2,917.78	89.03
J-1196	2,712.00	MF	3.81	2,917.78	89.03
J-498	2,712.00	MF	0.00	2,917.79	89.04
J39	2,712.00	MF	0.00	2,917.80	89.04
J-1201	2,712.00	MF	0.00	2,917.82	89.05
J-1206	2,712.00	MF	0.00	2,917.83	89.05
J-1207	2,712.00	MF	3.99	2,917.84	89.06
J-616	2,712.23	MF	0.00	2,918.18	89.11
J-467	2,711.86	MF	0.00	2,917.81	89.10

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Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-422	2,711.35	MF	0.00	2,917.86	89.35
J-604	2,711.43	MF	0.00	2,918.07	89.40
J-412	2,711.26	MF	0.00	2,917.88	89.40
J-403	2,711.20	MF	0.00	2,917.91	89.43
J42	2,710.96	MF	0.00	2,917.80	89.49
J-608	2,710.98	MF	2.45	2,918.07	89.60
J-615	2,711.09	MF	0.00	2,918.18	89.60
J-613	2,710.95	MF	0.00	2,918.18	89.66
J-404	2,710.64	MF	0.00	2,917.91	89.67
J-401	2,710.61	MF	3.94	2,917.93	89.70
J-603	2,710.50	MF	0.00	2,918.07	89.80
J-410	2,710.26	MF	3.94	2,917.88	89.83
J-400	2,710.26	MF	0.00	2,917.93	89.85
J-612	2,710.45	MF	0.00	2,918.17	89.87
J-1195	2,710.00	MF	0.00	2,917.78	89.90
J-1214	2,710.00	MF	0.00	2,917.84	89.92
J-1208	2,710.00	MF	0.00	2,917.84	89.92
J-1210	2,710.00	MF	0.00	2,917.85	89.93
J-614	2,710.22	MF	0.00	2,918.18	89.98
J-610	2,710.07	MF	0.00	2,918.09	90.00
J-508	2,710.00	MF	6.15	2,918.02	90.00
J-620	2,710.07	MF	0.00	2,918.19	90.04
J-409	2,709.74	MF	0.00	2,917.88	90.05
J-602	2,709.81	MF	0.00	2,918.07	90.10
J-621	2,709.92	MF	0.00	2,918.19	90.11
J-601	2,709.58	MF	0.00	2,918.06	90.20
J-231	2,709.41	MF	0.00	2,917.88	90.20
J-411	2,709.35	MF	0.00	2,917.88	90.22
J-408	2,709.31	MF	0.00	2,917.88	90.24
J-017	2,709.20	MF	0.00	2,917.79	90.25
J-499	2,709.23	MF	0.00	2,917.86	90.26
J-611	2,709.51	MF	0.00	2,918.17	90.28
J-600	2,709.32	MF	0.00	2,917.99	90.28
J-018	2,709.10	MF	0.00	2,917.79	90.29
J-1211	2,709.00	MF	0.00	2,917.85	90.36
J-1212	2,709.00	MF	0.00	2,917.85	90.36
J-1213	2,709.00	MF	3.99	2,917.85	90.36
J-627	2,709.28	MF	0.00	2,918.17	90.38
J-623	2,709.24	MF	0.00	2,918.20	90.41
J10	2,709.00	MF	0.00	2,918.01	90.43
J38	2,711.00	MF	2.83	2,920.05	90.45
J-406	2,708.62	MF	0.00	2,917.89	90.54
J-405	2,708.62	MF	0.00	2,917.91	90.55
J-229	2,708.52	MF	0.00	2,917.91	90.59
J-622	2,708.73	MF	0.00	2,918.20	90.63

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Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J32	2,708.00	MF	0.00	2,917.88	90.80
J-624	2,708.27	MF	0.00	2,918.20	90.83
J-628	2,708.23	MF	0.00	2,918.19	90.84
J-634	2,708.13	MF	0.00	2,918.26	90.91
J-402	2,707.77	MF	0.00	2,917.93	90.93
J-625	2,707.80	MF	0.00	2,918.21	91.03
J-243	2,707.43	MF	0.00	2,917.93	91.07
J-635	2,707.67	MF	0.00	2,918.26	91.11
J-407	2,707.28	MF	0.00	2,917.89	91.12
J-649	2,707.58	MF	0.00	2,918.25	91.15
J-230	2,707.22	MF	0.00	2,917.89	91.15
J-650	2,707.43	MF	0.00	2,918.25	91.21
J-629	2,707.26	MF	0.00	2,918.20	91.27
J-626	2,707.21	MF	0.00	2,918.21	91.29
J-637	2,707.21	MF	0.00	2,918.26	91.31
J-633	2,707.20	MF	0.00	2,918.26	91.31
J-549	2,708.00	MF	5.68	2,919.03	91.30
J-636	2,707.00	MF	0.00	2,918.26	91.40
J-483	2,706.66	MF	0.00	2,917.89	91.39
J-630	2,706.61	MF	0.00	2,918.21	91.55
J-632	2,706.64	MF	0.00	2,918.26	91.56
J-631	2,706.35	MF	0.00	2,918.26	91.68
J-638	2,706.24	MF	0.00	2,918.26	91.73
J-639	2,705.89	MF	0.00	2,918.26	91.88
J46	2,705.74	MF	0.00	2,918.26	91.95
J-642	2,705.39	MF	0.00	2,918.25	92.10
J-640	2,705.31	MF	0.00	2,918.25	92.13
J-641	2,704.48	MF	0.00	2,918.25	92.49
J-235	2,703.94	MF	0.00	2,917.95	92.59
J-645	2,704.13	MF	8.56	2,918.25	92.64
J-225	2,705.00	MF	5.53	2,920.05	93.04
J-558	2,705.00	MF	5.18	2,920.05	93.04
J28	2,705.00	MF	0.00	2,920.05	93.04
J-646	2,702.12	MF	0.00	2,918.25	93.51
J-648	2,701.28	MF	0.00	2,918.25	93.87
J-242	2,701.21	MF	0.00	2,918.25	93.90
J48	2,701.00	MF	0.00	2,918.04	93.90
J-512	2,701.00	MF	4.99	2,918.08	93.92
J-551	2,701.95	MF	0.00	2,919.66	94.19
J-647	2,700.44	MF	0.00	2,918.25	94.24
J-509	2,700.00	MF	6.15	2,918.07	94.35
J-651	2,700.16	MF	0.00	2,918.25	94.36
J-655	2,699.78	MF	0.00	2,918.25	94.52
J-654	2,699.69	MF	0.00	2,918.25	94.56
J-653	2,699.20	MF	0.00	2,918.25	94.77

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Action (2027) MDD Condition Distribution System Junction Report
JCT-IRP - Time: 0.00 hours

Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-241	2,699.07	MF	0.00	2,918.25	94.83
J-659	2,698.25	MF	0.00	2,918.25	95.18
J-652	2,698.16	MF	0.00	2,918.25	95.22
J-513	2,698.00	MF	4.99	2,918.14	95.24
J-660	2,698.08	MF	0.00	2,918.25	95.26
J-667	2,698.07	MF	0.00	2,918.25	95.26
J-666	2,697.98	MF	0.00	2,918.25	95.30
J-656	2,697.79	MF	0.00	2,918.25	95.38
J-561	2,697.49	MF	5.40	2,918.06	95.43
J-658	2,697.62	MF	0.00	2,918.25	95.46
J-240	2,697.52	MF	0.00	2,918.25	95.50
J-665	2,697.45	MF	0.00	2,918.25	95.53
J-548	2,698.00	MF	5.68	2,918.79	95.52
J-239	2,697.30	MF	0.00	2,918.25	95.60
J-662	2,696.93	MF	0.00	2,918.25	95.76
J-661	2,696.43	MF	0.00	2,918.25	95.97
J-664	2,696.31	MF	0.00	2,918.25	96.02
J-663	2,696.14	MF	0.00	2,918.25	96.10
J-657	2,696.08	MF	0.00	2,918.25	96.12
J-514	2,695.50	MF	4.99	2,918.18	96.34
J41	2,695.25	MF	0.00	2,918.25	96.48
J-510	2,695.00	MF	6.15	2,918.12	96.53
J-41.1	2,694.61	MF	0.00	2,918.21	96.74
J-671	2,694.57	MF	0.00	2,918.32	96.80
J-672	2,694.37	MF	0.00	2,918.32	96.89
J-670	2,693.83	MF	0.00	2,918.32	97.13
J-238	2,693.71	MF	0.00	2,918.32	97.18
J-668	2,693.50	MF	0.00	2,918.29	97.26
J47	2,694.00	MF	0.00	2,919.17	97.42
J-676	2,692.54	MF	0.00	2,918.40	97.72
J-669	2,692.34	MF	0.00	2,918.32	97.77
J-673	2,691.84	MF	0.00	2,918.33	97.99
J37	2,690.00	MF	0.00	2,919.06	99.10
J-521	2,689.00	MF	3.65	2,918.22	99.17
J-518	2,689.00	MF	3.10	2,918.24	99.18
J-559	2,689.65	MF	5.40	2,918.96	99.21
J-674	2,689.04	MF	0.00	2,918.39	99.23
J-675	2,688.66	MF	0.00	2,918.40	99.40
J-545	2,688.51	MF	2.84	2,918.51	99.51
J36	2,688.21	MF	0.00	2,918.55	99.66
J-547	2,687.85	MF	0.00	2,918.55	99.81
J-546	2,687.70	MF	0.00	2,918.53	99.87
J33	2,687.00	MF	0.00	2,918.14	100.01
J-517	2,687.00	MF	3.10	2,918.22	100.04
J-522	2,687.00	MF	3.65	2,918.24	100.05

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Action (2027) MDD Condition Distribution System Junction Report
JCT-IRP - Time: 0.00 hours

Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-016	2,686.40	MF	0.00	2,917.79	100.11
J-678	2,687.01	MF	8.56	2,918.46	100.14
J-677	2,686.94	MF	0.00	2,918.43	100.16
J-511	2,686.20	MF	0.00	2,918.16	100.36
J-515	2,685.97	MF	0.00	2,918.17	100.46
J-536	2,685.88	MF	2.53	2,918.39	100.60
J-537	2,685.00	MF	2.53	2,918.43	100.99
J-535	2,684.83	MF	2.53	2,918.35	101.03
J-516	2,684.56	MF	0.00	2,918.22	101.09
J-544	2,684.70	MF	2.84	2,918.43	101.12
J-538	2,684.41	MF	0.00	2,918.44	101.25
J34	2,684.00	MF	0.00	2,918.23	101.34
J-519	2,684.00	MF	3.10	2,918.27	101.36
J-523	2,683.00	MF	3.65	2,918.28	101.79
J-543	2,682.65	MF	0.00	2,918.42	102.01
J-524	2,682.00	MF	0.00	2,918.31	102.24
J-542	2,681.21	MF	0.00	2,918.38	102.61
J-526	2,681.00	MF	4.35	2,918.30	102.67
J-541	2,680.52	MF	3.01	2,918.38	102.91
J-520	2,679.84	MF	0.00	2,918.28	103.16
J-525	2,679.04	MF	0.00	2,918.30	103.51
J-534	2,678.54	MF	0.00	2,918.34	103.75
J-529	2,678.35	MF	0.00	2,918.31	103.82
J-560	2,678.27	MF	5.40	2,918.33	103.86
J35	2,678.00	MF	0.00	2,918.32	103.97
J-539	2,678.00	MF	3.01	2,918.35	103.99
J-527	2,677.00	MF	4.35	2,918.30	104.40
J-540	2,677.00	MF	3.01	2,918.36	104.42
J-532	2,676.00	MF	2.37	2,918.32	104.84
J-528	2,675.00	MF	4.35	2,918.30	105.26
J-531	2,675.00	MF	2.37	2,918.32	105.27
J-533	2,673.00	MF	2.37	2,918.32	106.14
J25	2,672.00	MF	2.36	2,918.32	106.57
J49	2,671.50	MF	1.18	2,918.32	106.79
J11	2,671.50	MF	6.81	2,918.32	106.79
J26	2,671.00	MF	0.75	2,918.32	107.00
J50	2,669.00	MF	1.27	2,918.32	107.87

GBWC-PD 2024 IRP - Mountain Falls System

Action (2027) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-1081	MF	0.00	0.00	1,500.00	2,423.57	True	27.37	11.28	J-505
J-1082	MF	0.00	6.93	1,506.93	2,490.79	True	29.52	11.28	J-505
J-1080	MF	0.00	0.00	1,500.00	2,780.33	True	33.96	11.28	J-505
J-1083	MF	0.00	0.00	1,500.00	2,657.23	True	34.13	11.28	J-505
J-1218	MF	0.00	0.00	1,500.00	2,675.78	True	37.44	11.28	J-505
J-1111	MF	0.00	0.00	1,500.00	2,596.58	True	37.44	11.28	J-505
J-1079	MF	0.00	0.00	1,500.00	2,918.46	True	37.86	11.28	J-505
J-1078	MF	0.00	0.00	1,500.00	2,696.11	True	38.13	11.28	J-505
J-1084	MF	0.00	0.00	1,500.00	2,895.06	True	39.83	11.28	J-505
J-1112	MF	0.00	0.00	1,500.00	3,009.39	True	39.93	11.28	J-505
J-1110	MF	0.00	0.00	1,500.00	2,838.21	True	40.79	11.28	J-505
J-1109	MF	0.00	0.00	1,500.00	2,937.61	True	42.39	11.28	J-505
J-1108	MF	0.00	0.00	1,500.00	3,067.81	True	43.59	11.28	J-505
J-416	MF	0.00	0.00	1,500.00	2,215.83	True	44.30	11.28	J-505
J-421	MF	0.00	0.00	1,500.00	2,270.23	True	45.50	11.28	J-505
J-1085	MF	0.00	0.00	1,500.00	3,218.66	True	46.60	11.28	J-505
J-1107	MF	0.00	0.00	1,500.00	3,545.25	True	49.19	11.28	J-505
J-419	MF	0.00	0.00	1,500.00	2,398.18	True	49.60	11.28	J-505
J-420	MF	0.00	0.00	1,500.00	2,441.43	True	51.15	11.28	J-505
J-1124	MF	0.00	0.00	1,500.00	3,066.84	True	51.53	11.28	J-505
J-1087	MF	0.00	0.00	1,500.00	3,654.26	True	52.00	11.28	J-505
J-1105	MF	0.00	0.00	1,500.00	3,570.61	True	52.58	11.28	J-505
J-418	MF	0.00	0.00	1,500.00	2,499.65	True	52.81	11.28	J-505
J-1123	MF	0.00	0.00	1,500.00	3,189.12	True	53.25	11.28	J-505
J-1086	MF	0.00	6.93	1,506.93	3,828.79	True	53.62	11.28	J-505
J-1106	MF	0.00	0.00	1,500.00	3,968.34	True	54.01	11.28	J-505
J-1104	MF	0.00	0.00	1,500.00	4,000.00	True	55.24	11.28	J-505
J-1154	MF	0.00	0.00	1,500.00	3,047.53	True	55.59	11.28	J-505
J-1088	MF	0.00	0.00	1,500.00	4,000.00	True	55.89	11.28	J-505
J-417	MF	0.00	0.00	1,500.00	2,642.21	True	56.44	11.28	J-505
J-1071	MF	0.00	0.00	1,500.00	3,305.32	True	56.92	11.28	J-505
J-1036	MF	0.00	0.00	1,500.00	2,903.39	True	57.05	11.28	J-505
J-1067	MF	0.00	0.00	1,500.00	3,349.41	True	57.34	11.28	J-505
J-1035	MF	0.00	0.00	1,500.00	2,989.76	True	57.68	11.28	J-505
J-415	MF	0.00	0.00	1,500.00	2,703.45	True	57.88	11.28	J-505
J-1103	MF	0.00	0.00	1,500.00	4,000.00	True	57.94	11.28	J-505
J-1121	MF	0.00	0.00	1,500.00	3,605.48	True	58.01	11.28	J-505
J-1138	MF	0.00	0.00	1,500.00	3,347.72	True	58.44	11.28	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Action (2027) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-1102	MF	0.00	0.00	1,500.00	3,717.61	True	58.79	11.28	J-505
J-1150	MF	0.00	0.00	1,500.00	3,293.97	True	58.96	11.28	J-505
J-1153	MF	0.00	0.00	1,500.00	3,405.05	True	58.99	11.28	J-505
J-1098	MF	0.00	0.00	1,500.00	3,826.61	True	59.06	11.28	J-505
J-1149	MF	0.00	0.00	1,500.00	3,323.82	True	59.25	11.28	J-505
J-1066	MF	0.00	0.00	1,500.00	3,618.26	True	59.22	11.28	J-505
J-1094	MF	0.00	0.00	1,500.00	4,000.00	True	59.37	11.28	J-505
J-1122	MF	0.00	0.00	1,500.00	3,939.97	True	60.04	11.28	J-505
J-1141	MF	0.00	0.00	1,500.00	3,500.18	True	60.11	11.28	J-505
J-1074	MF	0.00	0.00	1,500.00	3,610.75	True	60.21	11.28	J-505
J-1120	MF	0.00	2.29	1,502.29	4,002.29	True	60.59	11.28	J-505
J-1070	MF	0.00	0.00	1,500.00	3,722.02	True	60.73	11.28	J-505
J-619	MF	0.00	0.00	1,500.00	2,924.12	True	61.01	11.28	J-505
J-1160	MF	0.00	0.00	1,500.00	3,666.24	True	61.40	11.28	J-505
J-1137	MF	0.00	4.97	1,504.97	3,712.33	True	61.75	11.28	J-505
J-414	MF	0.00	0.00	1,500.00	2,902.66	True	61.87	11.28	J-505
J-1136	MF	0.00	0.00	1,500.00	3,678.85	True	61.82	11.28	J-505
J-1033	MF	0.00	0.00	1,500.00	3,250.10	True	61.85	11.28	J-505
J-1101	MF	0.00	0.00	1,500.00	4,000.00	True	61.96	11.28	J-505
J-1139	MF	0.00	0.00	1,500.00	3,784.13	True	62.18	11.28	J-505
J-1073	MF	0.00	0.00	1,500.00	3,769.79	True	62.20	11.28	J-505
J-1063	MF	0.00	0.00	1,500.00	3,797.56	True	62.23	11.28	J-505
J-1159	MF	0.00	4.63	1,504.63	3,896.31	True	62.52	11.28	J-505
J-413	MF	0.00	0.00	1,500.00	3,020.73	True	62.58	11.28	J-505
J-1158	MF	0.00	0.00	1,500.00	3,849.36	True	62.62	11.28	J-505
J-1093	MF	0.00	0.00	1,500.00	4,000.00	True	62.62	11.28	J-505
J-1135	MF	0.00	0.00	1,500.00	3,704.33	True	62.71	11.28	J-505
J-1032	MF	0.00	0.00	1,500.00	3,371.29	True	62.78	11.28	J-505
J-1161	MF	0.00	0.00	1,500.00	3,954.87	True	62.91	11.28	J-505
J-1097	MF	0.00	0.00	1,500.00	4,000.00	True	63.29	11.28	J-505
J-1140	MF	0.00	0.00	1,500.00	3,861.08	True	63.54	11.28	J-505
J-1134	MF	0.00	0.00	1,500.00	3,836.13	True	63.60	11.28	J-505
J-1034	MF	0.00	0.00	1,500.00	3,385.42	True	63.54	11.28	J-505
J-1156	MF	0.00	4.63	1,504.63	3,911.03	True	63.68	11.28	J-505
J-618	MF	0.00	0.00	1,500.00	3,134.75	True	64.41	11.28	J-505
J-1062	MF	0.00	0.00	1,500.00	4,000.00	True	64.46	11.28	J-505
J-1155	MF	0.00	0.00	1,500.00	3,999.42	True	64.66	11.28	J-505
J-1152	MF	0.00	0.00	1,500.00	3,980.73	True	64.82	11.28	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Action (2027) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-1157	MF	0.00	0.00	1,500.00	3,704.08	True	64.83	11.28	J-505
J-1151	MF	0.00	0.00	1,500.00	4,000.00	True	64.97	11.28	J-505
J-556	MF	0.00	3.65	1,503.65	4,003.65	True	65.26	11.28	J-505
J-1142	MF	0.00	0.00	1,500.00	4,000.00	True	65.86	11.28	J-505
J-1091	MF	0.00	6.93	1,506.93	4,006.93	True	65.96	11.28	J-505
J-1148	MF	0.00	0.00	1,500.00	4,000.00	True	66.06	11.28	J-505
J-1132	MF	0.00	0.00	1,500.00	4,000.00	True	66.18	11.28	J-505
J-1162	MF	0.00	0.00	1,500.00	4,000.00	True	66.27	11.28	J-505
J-712	MF	0.00	0.00	1,500.00	4,000.00	True	66.62	11.28	J-505
J-607	MF	0.00	8.56	1,508.56	3,358.22	True	66.75	11.28	J-505
J-555	MF	0.00	3.65	1,503.65	4,003.65	True	66.36	11.28	J-505
J-1030	MF	0.00	0.00	1,500.00	3,740.82	True	66.65	11.28	J-505
J-1092	MF	0.00	0.00	1,500.00	4,000.00	True	66.69	11.28	J-505
J-1031	MF	0.00	5.36	1,505.36	3,660.26	True	66.74	11.28	J-505
J-1119	MF	0.00	0.00	1,500.00	4,000.00	True	66.83	11.28	J-505
J-1069	MF	0.00	8.46	1,508.46	4,008.46	True	66.70	11.28	J-505
J-713	MF	0.00	0.00	1,500.00	4,000.00	True	67.00	11.28	J-505
J-1118	MF	0.00	0.00	1,500.00	4,000.00	True	66.97	11.28	J-505
J-606	MF	0.00	0.00	1,500.00	3,383.27	True	67.14	11.28	J-505
J-1065	MF	0.00	0.00	1,500.00	4,000.00	True	66.86	11.28	J-505
J-617	MF	0.00	0.00	1,500.00	3,341.29	True	67.16	11.28	J-505
J-1170	MF	0.00	0.00	1,500.00	4,000.00	True	67.19	11.28	J-505
J-1096	MF	0.00	0.00	1,500.00	4,000.00	True	67.23	11.28	J-505
J-1099	MF	0.00	0.00	1,500.00	4,000.00	True	67.26	11.28	J-505
J-1117	MF	0.00	0.00	1,500.00	4,000.00	True	67.30	11.28	J-505
J-227	MF	0.00	0.00	1,500.00	3,835.08	True	67.37	11.28	J-505
J-1193	MF	0.00	0.00	1,500.00	3,695.52	True	67.48	11.28	J-505
J-1095	MF	0.00	0.00	1,500.00	4,000.00	True	67.43	11.28	J-505
J-1029	MF	0.00	0.00	1,500.00	3,905.98	True	67.44	11.28	J-505
J-1068	MF	0.00	0.00	1,500.00	4,000.00	True	67.40	11.28	J-505
J-1100	MF	0.00	0.00	1,500.00	4,000.00	True	67.53	11.28	J-505
J-1133	MF	0.00	0.00	1,500.00	4,000.00	True	67.63	11.28	J-505
J-714	MF	0.00	0.00	1,500.00	4,000.00	True	67.69	11.28	J-505
J-711	MF	0.00	0.00	1,500.00	4,000.00	True	67.80	11.28	J-505
J-1059	MF	0.00	0.00	1,500.00	4,000.00	True	67.78	11.28	J-505
J-703	MF	0.00	0.00	1,500.00	4,000.00	True	67.95	11.28	J-505
J-704	MF	0.00	0.00	1,500.00	4,000.00	True	67.98	11.28	J-505
J-1064	MF	0.00	0.00	1,500.00	4,000.00	True	67.85	11.28	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Action (2027) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-1056	MF	0.00	0.00	1,500.00	4,000.00	True	67.86	11.28	J-505
J-705	MF	0.00	0.00	1,500.00	4,000.00	True	68.09	11.28	J-505
J-1147	MF	0.00	0.00	1,500.00	4,000.00	True	68.24	11.28	J-505
J-1209	MF	0.00	0.00	1,500.00	3,501.81	True	68.32	11.28	J-505
J-1169	MF	0.00	0.00	1,500.00	4,000.00	True	68.30	11.28	J-505
J-715	MF	0.00	0.00	1,500.00	4,000.00	True	68.57	11.28	J-505
J-727	MF	0.00	0.00	1,500.00	4,000.00	True	68.60	11.28	J-505
J-706	MF	0.00	0.00	1,500.00	4,000.00	True	68.63	11.28	J-505
J-1116	MF	0.00	2.29	1,502.29	4,002.29	True	68.67	11.28	J-505
J-702	MF	0.00	0.00	1,500.00	4,000.00	True	68.73	11.28	J-505
J-1061	MF	0.00	0.00	1,500.00	4,000.00	True	68.57	11.28	J-505
J-728	MF	0.00	0.00	1,500.00	4,000.00	True	68.76	11.28	J-505
J-231	MF	0.00	0.00	1,500.00	3,425.55	True	68.84	11.28	J-505
J-1072	MF	0.00	0.00	1,500.00	4,000.00	True	68.62	11.28	J-505
J-412	MF	0.00	0.00	1,500.00	3,438.48	True	68.87	11.28	J-505
J-729	MF	0.00	0.00	1,500.00	4,000.00	True	68.81	11.28	J-505
J-1168	MF	0.00	0.00	1,500.00	4,000.00	True	68.98	11.28	J-505
J-1019	MF	0.00	0.00	1,500.00	4,000.00	True	68.90	11.28	J-505
J-1003	MF	0.00	0.00	1,500.00	3,935.42	True	68.96	11.28	J-505
J-707	MF	0.00	0.00	1,500.00	4,000.00	True	69.00	11.28	J-505
J-429	MF	0.00	0.00	1,500.00	3,915.81	True	69.07	11.28	J-505
J-726	MF	0.00	0.00	1,500.00	4,000.00	True	69.05	11.28	J-505
J-1204	MF	0.00	0.00	1,500.00	3,770.23	True	69.15	11.28	J-505
J-1020	MF	0.00	5.36	1,505.36	4,005.36	True	69.06	11.28	J-505
J-1131	MF	0.00	0.00	1,500.00	4,000.00	True	69.16	11.28	J-505
J-411	MF	0.00	0.00	1,500.00	3,468.48	True	69.29	11.28	J-505
J-708	MF	0.00	0.00	1,500.00	4,000.00	True	69.34	11.28	J-505
J-730	MF	0.00	0.00	1,500.00	4,000.00	True	69.36	11.28	J-505
J-430	MF	0.00	0.00	1,500.00	3,991.48	True	69.45	11.28	J-505
J-1173	MF	0.00	0.00	1,500.00	4,000.00	True	69.55	11.28	J-505
J17	MF	0.00	5.59	1,505.59	4,005.59	True	69.53	11.28	J-505
J-1143	MF	0.00	0.00	1,500.00	4,000.00	True	69.56	11.28	J-505
J-1130	MF	0.00	0.00	1,500.00	4,000.00	True	69.59	11.28	J-505
J-554	MF	0.00	3.65	1,503.65	4,003.65	True	69.33	11.28	J-505
J-709	MF	0.00	0.00	1,500.00	4,000.00	True	69.71	11.28	J-505
J-759	MF	0.00	0.00	1,500.00	4,000.00	True	69.75	11.28	J-505
J-1060	MF	0.00	0.00	1,500.00	4,000.00	True	69.68	11.28	J-505
J-1026	MF	0.00	0.00	1,500.00	4,000.00	True	69.81	11.28	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Action (2027) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-616	MF	0.00	0.00	1,500.00	3,612.44	True	70.07	11.28	J-505
J-710	MF	0.00	0.00	1,500.00	4,000.00	True	70.00	11.28	J-505
J-553	MF	0.00	0.00	1,500.00	4,000.00	True	69.70	11.28	J-505
J-1089	MF	0.00	0.00	1,500.00	4,000.00	True	70.03	11.28	J-505
J-1077	MF	0.00	0.00	1,500.00	4,000.00	True	69.90	11.28	J-505
J-1176	MF	0.00	0.00	1,500.00	4,000.00	True	70.11	11.28	J-505
J-1055	MF	0.00	0.00	1,500.00	4,000.00	True	69.93	11.28	J-505
J-1186	MF	0.00	0.00	1,500.00	3,971.68	True	70.15	11.28	J-505
J-1090	MF	0.00	0.00	1,500.00	4,000.00	True	70.12	11.28	J-505
J-1039	MF	0.00	0.00	1,500.00	4,000.00	True	70.01	11.28	J-505
J-1006	MF	0.00	0.00	1,500.00	4,000.00	True	70.26	11.28	J-505
J-716	MF	0.00	0.00	1,500.00	4,000.00	True	70.36	11.28	J-505
J-1005	MF	0.00	0.00	1,500.00	4,000.00	True	70.45	11.28	J-505
J-717	MF	0.00	0.00	1,500.00	4,000.00	True	70.47	11.28	J-505
J-731	MF	0.00	0.00	1,500.00	4,000.00	True	70.51	11.28	J-505
J-605	MF	0.00	0.00	1,500.00	3,734.10	True	70.69	11.28	J-505
J-1058	MF	0.00	0.00	1,500.00	4,000.00	True	70.44	11.28	J-505
J-1171	MF	0.00	3.92	1,503.92	4,003.92	True	70.71	11.28	J-505
J-1002	MF	0.00	0.00	1,500.00	4,000.00	True	70.75	11.28	J-505
J-718	MF	0.00	0.00	1,500.00	4,000.00	True	70.78	11.28	J-505
J-1049	MF	0.00	0.00	1,500.00	4,000.00	True	70.64	11.28	J-505
J-410	MF	0.00	3.94	1,503.94	3,617.58	True	70.88	11.28	J-505
J-719	MF	0.00	0.00	1,500.00	4,000.00	True	70.82	11.28	J-505
J-1021	MF	0.00	0.00	1,500.00	4,000.00	True	70.83	11.28	J-505
J-228	MF	0.00	0.00	1,500.00	4,000.00	True	70.94	11.28	J-505
J50	MF	0.00	1.27	1,501.27	2,740.40	True	71.10	11.28	J-505
J-347	MF	0.00	0.00	1,500.00	4,000.00	True	70.92	11.28	J-505
J-1018	MF	0.00	0.00	1,500.00	4,000.00	True	70.98	11.28	J-505
J-720	MF	0.00	0.00	1,500.00	4,000.00	True	71.16	11.28	J-505
J-1025	MF	0.00	0.00	1,500.00	4,000.00	True	71.14	11.28	J-505
J-732	MF	0.00	0.00	1,500.00	4,000.00	True	71.22	11.28	J-505
J-1167	MF	0.00	0.00	1,500.00	4,000.00	True	71.29	11.28	J-505
J-1172	MF	0.00	0.00	1,500.00	4,000.00	True	71.33	11.28	J-505
J-1113	MF	0.00	2.29	1,502.29	4,002.29	True	71.43	11.28	J-505
J-721	MF	0.00	0.00	1,500.00	4,000.00	True	71.50	11.28	J-505
J-493	MF	0.00	0.00	1,500.00	4,000.00	True	71.67	11.28	J-505
J-1114	MF	0.00	0.00	1,500.00	4,000.00	True	71.79	11.28	J-505
J-1115	MF	0.00	0.00	1,500.00	4,000.00	True	71.83	11.28	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Action (2027) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-1052	MF	0.00	0.00	1,500.00	4,000.00	True	71.71	11.28	J-505
J-650	MF	0.00	0.00	1,500.00	3,657.63	True	71.96	11.28	J-505
J-1185	MF	0.00	0.00	1,500.00	4,000.00	True	71.95	11.28	J-505
J-1174	MF	0.00	0.00	1,500.00	4,000.00	True	72.02	11.28	J-505
J-756	MF	0.00	0.00	1,500.00	4,000.00	True	72.14	11.28	J-505
J-745	MF	0.00	0.00	1,500.00	4,000.00	True	72.19	11.28	J-505
J-746	MF	0.00	0.00	1,500.00	4,000.00	True	72.20	11.28	J-505
J-747	MF	0.00	0.00	1,500.00	4,000.00	True	72.21	11.28	J-505
J-1028	MF	0.00	0.00	1,500.00	4,000.00	True	72.13	11.28	J-505
J-374	MF	0.00	0.00	1,500.00	4,000.00	True	72.18	11.28	J-505
J-649	MF	0.00	0.00	1,500.00	3,707.30	True	72.33	11.28	J-505
J-758	MF	0.00	0.00	1,500.00	4,000.00	True	72.26	11.28	J-505
J-1009	MF	0.00	6.40	1,506.40	4,006.40	True	72.27	11.28	J-505
J-722	MF	0.00	5.59	1,505.59	4,005.59	True	72.33	11.28	J-505
J-1022	MF	0.00	0.00	1,500.00	4,000.00	True	72.26	11.28	J-505
J-733	MF	0.00	0.00	1,500.00	4,000.00	True	72.38	11.28	J-505
J-1166	MF	0.00	0.00	1,500.00	4,000.00	True	72.42	11.28	J-505
J-1125	MF	0.00	4.97	1,504.97	4,004.97	True	72.41	11.28	J-505
J8	MF	0.00	0.00	1,500.00	4,000.00	True	72.19	11.28	J-505
J-1192	MF	0.00	0.00	1,500.00	4,000.00	True	72.58	11.28	J-505
J-744	MF	0.00	0.00	1,500.00	4,000.00	True	72.58	11.28	J-505
J-1051	MF	0.00	0.00	1,500.00	4,000.00	True	72.40	11.28	J-505
J-1146	MF	0.00	4.63	1,504.63	4,004.63	True	72.63	11.28	J-505
J-230	MF	0.00	0.00	1,500.00	3,774.69	True	72.71	11.28	J-505
J-1126	MF	0.00	0.00	1,500.00	4,000.00	True	72.69	11.28	J-505
J-748	MF	0.00	0.00	1,500.00	4,000.00	True	72.71	11.28	J-505
J-615	MF	0.00	0.00	1,500.00	3,906.29	True	72.80	11.28	J-505
J-1024	MF	0.00	5.36	1,505.36	4,005.36	True	72.74	11.28	J-505
J-229	MF	0.00	0.00	1,500.00	3,882.24	True	73.06	11.28	J-505
J-1010	MF	0.00	0.00	1,500.00	4,000.00	True	73.00	11.28	J-505
J-1027	MF	0.00	0.00	1,500.00	4,000.00	True	72.96	11.28	J-505
J-407	MF	0.00	0.00	1,500.00	3,830.45	True	73.11	11.28	J-505
J-405	MF	0.00	0.00	1,500.00	3,900.47	True	73.15	11.28	J-505
J-370	MF	0.00	0.00	1,500.00	4,000.00	True	73.06	11.28	J-505
J52	MF	0.00	0.00	1,500.00	4,000.00	True	73.11	11.28	J-505
J-1014	MF	0.00	0.00	1,500.00	4,000.00	True	73.28	11.28	J-505
J-1007	MF	0.00	0.00	1,500.00	4,000.00	True	73.28	11.28	J-505
J-1203	MF	0.00	0.00	1,500.00	4,000.00	True	73.45	11.28	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Action (2027) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-604	MF	0.00	0.00	1,500.00	4,000.00	True	73.49	11.28	J-505
J-723	MF	0.00	0.00	1,500.00	4,000.00	True	73.44	11.28	J-505
J-1127	MF	0.00	0.00	1,500.00	4,000.00	True	73.44	11.28	J-505
J-243	MF	0.00	0.00	1,500.00	3,888.58	True	73.52	11.28	J-505
J-1163	MF	0.00	0.00	1,500.00	4,000.00	True	73.52	11.28	J-505
J-1144	MF	0.00	0.00	1,500.00	4,000.00	True	73.58	11.28	J-505
J30	MF	0.00	0.00	1,500.00	4,000.00	True	73.55	11.28	J-505
J-749	MF	0.00	0.00	1,500.00	4,000.00	True	73.60	11.28	J-505
J-1129	MF	0.00	0.00	1,500.00	4,000.00	True	73.60	11.28	J-505
J-724	MF	0.00	0.00	1,500.00	4,000.00	True	73.63	11.28	J-505
J-1042	MF	0.00	0.00	1,500.00	4,000.00	True	73.51	11.28	J-505
J-346	MF	0.00	0.00	1,500.00	4,000.00	True	73.66	11.28	J-505
J-1057	MF	0.00	8.46	1,508.46	4,008.46	True	73.55	11.28	J-505
J-402	MF	0.00	0.00	1,500.00	3,963.17	True	73.93	11.28	J-505
J-725	MF	0.00	0.00	1,500.00	4,000.00	True	73.87	11.28	J-505
J-1075	MF	0.00	0.00	1,500.00	4,000.00	True	73.77	11.28	J-505
J-1175	MF	0.00	0.00	1,500.00	4,000.00	True	73.98	11.28	J-505
J-1038	MF	0.00	0.00	1,500.00	4,000.00	True	73.77	11.28	J-505
J-1145	MF	0.00	0.00	1,500.00	4,000.00	True	74.04	11.28	J-505
J-492	MF	0.00	0.00	1,500.00	4,000.00	True	74.03	11.28	J-505
J-1165	MF	0.00	0.00	1,500.00	4,000.00	True	74.09	11.28	J-505
J38	MF	0.00	2.83	1,502.83	3,984.42	True	74.11	11.28	J-505
J-1013	MF	0.00	0.00	1,500.00	4,000.00	True	74.09	11.28	J-505
J-1128	MF	0.00	4.97	1,504.97	4,004.97	True	74.12	11.28	J-505
J-1043	MF	0.00	0.00	1,500.00	4,000.00	True	73.99	11.28	J-505
J-1179	MF	0.00	0.00	1,500.00	4,000.00	True	74.26	11.28	J-505
J-428	MF	0.00	0.00	1,500.00	4,000.00	True	74.29	11.28	J-505
J-1076	MF	0.00	0.00	1,500.00	4,000.00	True	74.06	11.28	J-505
J-1040	MF	0.00	0.00	1,500.00	4,000.00	True	74.08	11.28	J-505
J-734	MF	0.00	0.00	1,500.00	4,000.00	True	74.27	11.28	J-505
J-1177	MF	0.00	0.00	1,500.00	4,000.00	True	74.31	11.28	J-505
J-1045	MF	0.00	0.00	1,500.00	4,000.00	True	74.15	11.28	J-505
J-1199	MF	0.00	0.00	1,500.00	4,000.00	True	74.42	11.28	J-505
J-750	MF	0.00	0.00	1,500.00	4,000.00	True	74.43	11.28	J-505
J5	MF	0.00	0.00	1,500.00	4,000.00	True	74.07	11.28	J-505
J-1054	MF	0.00	0.00	1,500.00	4,000.00	True	74.25	11.28	J-505
J-1047	MF	0.00	0.00	1,500.00	4,000.00	True	74.31	11.28	J-505
J-1053	MF	0.00	0.00	1,500.00	4,000.00	True	74.33	11.28	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Action (2027) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-757	MF	0.00	0.00	1,500.00	4,000.00	True	74.54	11.28	J-505
J-735	MF	0.00	0.00	1,500.00	4,000.00	True	74.55	11.28	J-505
J-1041	MF	0.00	0.00	1,500.00	4,000.00	True	74.40	11.28	J-505
J-623	MF	0.00	0.00	1,500.00	4,000.00	True	74.73	11.28	J-505
J-1044	MF	0.00	0.00	1,500.00	4,000.00	True	74.51	11.28	J-505
J-655	MF	0.00	0.00	1,500.00	3,671.52	True	74.76	11.28	J-505
GC-1	MF	0.00	0.00	1,500.00	4,000.00	True	74.35	11.28	J-505
J-1205	MF	0.00	0.00	1,500.00	4,000.00	True	74.79	11.28	J-505
J-736	MF	0.00	0.00	1,500.00	4,000.00	True	74.75	11.28	J-505
J-755	MF	0.00	0.00	1,500.00	4,000.00	True	74.79	11.28	J-505
J-1048	MF	0.00	0.00	1,500.00	4,000.00	True	74.64	11.28	J-505
J-562	MF	0.00	5.40	1,505.40	4,005.40	True	74.79	11.28	J-505
J-409	MF	0.00	0.00	1,500.00	4,000.00	True	74.97	11.28	J-505
J-1164.1	MF	0.00	0.00	1,500.00	4,000.00	True	75.00	11.28	J-505
J-1017	MF	0.00	0.00	1,500.00	4,000.00	True	74.95	11.28	J-505
J-608	MF	0.00	2.45	1,502.45	4,002.45	True	75.12	11.28	J-505
J-751	MF	0.00	0.00	1,500.00	4,000.00	True	75.06	11.28	J-505
J-737	MF	0.00	0.00	1,500.00	4,000.00	True	75.19	11.28	J-505
J-1009.1	MF	0.00	0.00	1,500.00	4,000.00	True	75.32	11.28	J-505
J6	MF	0.00	0.00	1,500.00	4,000.00	True	74.99	11.28	J-505
J-1004	MF	0.00	0.00	1,500.00	4,000.00	True	75.34	11.28	J-505
J-1037	MF	0.00	0.00	1,500.00	4,000.00	True	75.18	11.28	J-505
J-1023	MF	0.00	0.00	1,500.00	4,000.00	True	75.34	11.28	J-505
J-403	MF	0.00	0.00	1,500.00	4,000.00	True	75.48	11.28	J-505
J-1178	MF	0.00	0.00	1,500.00	4,000.00	True	75.48	11.28	J-505
J-423	MF	0.00	0.00	1,500.00	4,000.00	True	75.52	11.28	J-505
J-642	MF	0.00	0.00	1,500.00	4,000.00	True	75.57	11.28	J-505
J-384	MF	0.00	0.00	1,500.00	4,000.00	True	75.49	11.28	J-505
J-422	MF	0.00	0.00	1,500.00	4,000.00	True	75.57	11.28	J-505
J-1206	MF	0.00	0.00	1,500.00	4,000.00	True	75.57	11.28	J-505
J-404	MF	0.00	0.00	1,500.00	4,000.00	True	75.66	11.28	J-505
J-634	MF	0.00	0.00	1,500.00	4,000.00	True	75.68	11.28	J-505
J-1050	MF	0.00	0.00	1,500.00	4,000.00	True	75.44	11.28	J-505
J-427	MF	0.00	0.00	1,500.00	4,000.00	True	75.67	11.28	J-505
J-752	MF	0.00	0.00	1,500.00	4,000.00	True	75.77	11.28	J-505
J-495	MF	0.00	0.00	1,500.00	4,000.00	True	75.77	11.28	J-505
J-654	MF	0.00	0.00	1,500.00	3,805.61	True	75.91	11.28	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Action (2027) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-660	MF	0.00	0.00	1,500.00	3,735.43	True	75.91	11.28	J-505
J-1207	MF	0.00	3.99	1,503.99	4,003.99	True	75.95	11.28	J-505
J-738	MF	0.00	0.00	1,500.00	4,000.00	True	75.98	11.28	J-505
J-424	MF	0.00	0.00	1,500.00	4,000.00	True	76.07	11.28	J-505
J-401	MF	0.00	3.94	1,503.94	4,003.94	True	76.14	11.28	J-505
J-613	MF	0.00	0.00	1,500.00	4,000.00	True	76.15	11.28	J-505
J-1164	MF	0.00	3.92	1,503.92	4,003.92	True	76.10	11.28	J-505
J-1202	MF	0.00	3.99	1,503.99	4,003.99	True	76.14	11.28	J-505
J-408	MF	0.00	0.00	1,500.00	4,000.00	True	76.15	11.28	J-505
J-659	MF	0.00	0.00	1,500.00	3,778.54	True	76.21	11.28	J-505
J-501	MF	0.00	0.00	1,500.00	4,000.00	True	75.86	11.28	J-505
J-390	MF	0.00	0.00	1,500.00	4,000.00	True	76.19	11.28	J-505
J-1211	MF	0.00	0.00	1,500.00	4,000.00	True	76.28	11.28	J-505
J-620	MF	0.00	0.00	1,500.00	4,000.00	True	76.30	11.28	J-505
J-1180	MF	0.00	0.00	1,500.00	4,000.00	True	76.24	11.28	J-505
J-614	MF	0.00	0.00	1,500.00	4,000.00	True	76.30	11.28	J-505
J-242	MF	0.00	0.00	1,500.00	3,870.25	True	76.32	11.28	J-505
J-1182	MF	0.00	0.00	1,500.00	4,000.00	True	76.27	11.28	J-505
J-1046	MF	0.00	8.46	1,508.46	4,008.46	True	76.14	11.28	J-505
J-621	MF	0.00	0.00	1,500.00	4,000.00	True	76.38	11.28	J-505
J-1001	MF	0.00	0.00	1,500.00	4,000.00	True	76.32	11.28	J-505
J-603	MF	0.00	0.00	1,500.00	4,000.00	True	76.43	11.28	J-505
J-406	MF	0.00	0.00	1,500.00	4,000.00	True	76.44	11.28	J-505
J-400	MF	0.00	0.00	1,500.00	4,000.00	True	76.44	11.28	J-505
J-739	MF	0.00	0.00	1,500.00	4,000.00	True	76.45	11.28	J-505
J-648	MF	0.00	0.00	1,500.00	3,900.89	True	76.53	11.28	J-505
J-753	MF	0.00	0.00	1,500.00	4,000.00	True	76.47	11.28	J-505
J-1012	MF	0.00	0.00	1,500.00	4,000.00	True	76.64	11.28	J-505
J-1216	MF	0.00	0.00	1,500.00	4,000.00	True	76.68	11.28	J-505
J-1011	MF	0.00	0.00	1,500.00	4,000.00	True	76.73	11.28	J-505
J-241	MF	0.00	0.00	1,500.00	3,909.47	True	76.98	11.28	J-505
J-637	MF	0.00	0.00	1,500.00	4,000.00	True	76.99	11.28	J-505
J3	MF	0.00	0.00	1,500.00	4,000.00	True	76.57	11.28	J-505
J-1181	MF	0.00	3.92	1,503.92	4,003.92	True	76.97	11.28	J-505
J-1217	MF	0.00	0.00	1,500.00	4,000.00	True	76.89	11.28	J-505
J-557	MF	0.00	0.00	1,500.00	4,000.00	True	76.65	11.28	J-505
J-622	MF	0.00	0.00	1,500.00	4,000.00	True	77.09	11.28	J-505
J45	MF	0.00	0.00	1,500.00	4,000.00	True	77.03	11.28	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Action (2027) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-563	MF	0.00	5.40	1,505.40	4,005.40	True	76.76	11.28	J-505
J-612	MF	0.00	0.00	1,500.00	4,000.00	True	77.21	11.28	J-505
J-653	MF	0.00	0.00	1,500.00	3,951.70	True	77.23	11.28	J-505
J-1208	MF	0.00	0.00	1,500.00	4,000.00	True	77.21	11.28	J-505
J-740	MF	0.00	0.00	1,500.00	4,000.00	True	77.20	11.28	J-505
J-754	MF	0.00	0.00	1,500.00	4,000.00	True	77.24	11.28	J-505
J-1009.2	MF	0.00	0.00	1,500.00	4,000.00	True	77.23	11.28	J-505
J-742	MF	0.00	0.00	1,500.00	4,000.00	True	77.29	11.28	J-505
GC-3	MF	0.00	0.00	1,500.00	4,000.00	True	76.98	11.28	J-505
J-522	MF	0.00	3.65	1,503.65	3,506.24	True	77.47	11.28	J-505
J-425	MF	0.00	3.94	1,503.94	4,003.94	True	77.49	11.28	J-505
J-624	MF	0.00	0.00	1,500.00	4,000.00	True	77.53	11.28	J-505
J-1008.2	MF	0.00	0.00	1,500.00	4,000.00	True	77.49	11.28	J-505
J-1008.1	MF	0.00	0.00	1,500.00	4,000.00	True	77.55	11.28	J-505
J-552	MF	0.00	0.00	1,500.00	4,000.00	True	77.24	11.28	J-505
J-500	MF	0.00	0.00	1,500.00	4,000.00	True	77.32	11.28	J-505
J27	MF	0.00	0.00	1,500.00	4,000.00	True	77.51	11.28	J-505
J4	MF	0.00	0.00	1,500.00	4,000.00	True	77.38	11.28	J-505
J-491	MF	0.00	0.00	1,500.00	4,000.00	True	77.65	11.28	J-505
J-1220	MF	0.00	0.00	1,500.00	4,000.00	True	77.86	11.28	J-505
J-240	MF	0.00	0.00	1,500.00	3,966.85	True	77.96	11.28	J-505
J-1008	MF	0.00	6.40	1,506.40	4,006.40	True	77.89	11.28	J-505
J-667	MF	0.00	0.00	1,500.00	4,000.00	True	78.00	11.28	J-505
J-741	MF	0.00	5.59	1,505.59	4,005.59	True	77.94	11.28	J-505
J-625	MF	0.00	0.00	1,500.00	4,000.00	True	78.09	11.28	J-505
J-658	MF	0.00	0.00	1,500.00	3,989.38	True	78.11	11.28	J-505
J-635	MF	0.00	0.00	1,500.00	4,000.00	True	78.11	11.28	J-505
J-1188	MF	0.00	0.00	1,500.00	4,000.00	True	78.08	11.28	J-505
J-426	MF	0.00	0.00	1,500.00	4,000.00	True	78.13	11.28	J-505
J-1000	MF	0.00	0.00	1,500.00	4,000.00	True	78.10	11.28	J-505
J-304	MF	0.00	0.00	1,500.00	4,000.00	True	78.00	11.28	J-505
J-496	MF	0.00	0.00	1,500.00	4,000.00	True	78.26	11.28	J-505
J-610	MF	0.00	0.00	1,500.00	4,000.00	True	78.36	11.28	J-505
J-1016	MF	0.00	0.00	1,500.00	4,000.00	True	78.34	11.28	J-505
J-627	MF	0.00	0.00	1,500.00	4,000.00	True	78.48	11.28	J-505
J-743	MF	0.00	0.00	1,500.00	4,000.00	True	78.43	11.28	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Action (2027) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-628	MF	0.00	0.00	1,500.00	4,000.00	True	78.50	11.28	J-505
J-636	MF	0.00	0.00	1,500.00	4,000.00	True	78.52	11.28	J-505
J-611	MF	0.00	0.00	1,500.00	4,000.00	True	78.55	11.28	J-505
J-602	MF	0.00	0.00	1,500.00	4,000.00	True	78.57	11.28	J-505
J-633	MF	0.00	0.00	1,500.00	4,000.00	True	78.59	11.28	J-505
J-1215	MF	0.00	0.00	1,500.00	4,000.00	True	78.53	11.28	J-505
J-1210	MF	0.00	0.00	1,500.00	4,000.00	True	78.66	11.28	J-505
J-626	MF	0.00	0.00	1,500.00	4,000.00	True	78.71	11.28	J-505
J-601	MF	0.00	0.00	1,500.00	4,000.00	True	78.76	11.28	J-505
J-1219	MF	0.00	0.00	1,500.00	4,000.00	True	78.71	11.28	J-505
J-447	MF	0.00	0.00	1,500.00	4,000.00	True	78.80	11.28	J-505
J-1191	MF	0.00	3.81	1,503.81	4,003.81	True	78.88	11.28	J-505
J29	MF	0.00	0.00	1,500.00	4,000.00	True	78.82	11.28	J-505
J-645	MF	0.00	8.56	1,508.56	4,008.56	True	79.08	11.28	J-505
J-641	MF	0.00	0.00	1,500.00	4,000.00	True	79.09	11.28	J-505
J-640	MF	0.00	0.00	1,500.00	4,000.00	True	79.12	11.28	J-505
J-523	MF	0.00	3.65	1,503.65	3,537.78	True	79.18	11.28	J-505
J-666	MF	0.00	0.00	1,500.00	4,000.00	True	79.14	11.28	J-505
J-629	MF	0.00	0.00	1,500.00	4,000.00	True	79.18	11.28	J-505
J-1190	MF	0.00	0.00	1,500.00	4,000.00	True	79.15	11.28	J-505
J-302	MF	0.00	0.00	1,500.00	4,000.00	True	79.00	11.28	J-505
J-497	MF	0.00	0.00	1,500.00	4,000.00	True	79.16	11.28	J-505
J-303	MF	0.00	0.00	1,500.00	4,000.00	True	79.04	11.28	J-505
J-639	MF	0.00	0.00	1,500.00	4,000.00	True	79.33	11.28	J-505
J-646	MF	0.00	0.00	1,500.00	4,000.00	True	79.37	11.28	J-505
J-1194	MF	0.00	0.00	1,500.00	4,000.00	True	79.35	11.28	J-505
J-638	MF	0.00	0.00	1,500.00	4,000.00	True	79.44	11.28	J-505
J-267	MF	0.00	0.00	1,500.00	4,000.00	True	79.50	11.28	J-505
J14	MF	0.00	0.00	1,500.00	4,000.00	True	79.62	11.28	J-505
J-632	MF	0.00	0.00	1,500.00	4,000.00	True	79.73	11.28	J-505
J-564	MF	0.00	5.40	1,505.40	4,005.40	True	79.59	11.28	J-505
J-015	MF	0.00	0.00	1,500.00	4,000.00	True	79.74	11.28	J-505
J-600	MF	0.00	0.00	1,500.00	4,000.00	True	79.80	11.28	J-505
J-458	MF	0.00	0.00	1,500.00	4,000.00	True	79.76	11.28	J-505
J-1015	MF	0.00	6.40	1,506.40	4,006.40	True	79.76	11.28	J-505
J-488	MF	0.00	0.00	1,500.00	4,000.00	True	79.74	11.28	J-505
J-225	MF	0.00	5.53	1,505.53	4,005.53	True	79.86	11.28	J-505
J-490	MF	0.00	0.00	1,500.00	4,000.00	True	79.79	11.28	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Action (2027) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-1214	MF	0.00	0.00	1,500.00	4,000.00	True	79.92	11.28	J-505
J-647	MF	0.00	0.00	1,500.00	4,000.00	True	80.00	11.28	J-505
J-1187	MF	0.00	0.00	1,500.00	4,000.00	True	79.99	11.28	J-505
J-630	MF	0.00	0.00	1,500.00	4,000.00	True	80.07	11.28	J-505
J-631	MF	0.00	0.00	1,500.00	4,000.00	True	80.10	11.28	J-505
J-651	MF	0.00	0.00	1,500.00	4,000.00	True	80.14	11.28	J-505
J-1189	MF	0.00	0.00	1,500.00	4,000.00	True	80.12	11.28	J-505
J-1201	MF	0.00	0.00	1,500.00	4,000.00	True	80.14	11.28	J-505
J-550	MF	0.00	5.68	1,505.68	4,005.68	True	80.13	11.28	J-505
J-486	MF	0.00	0.00	1,500.00	4,000.00	True	80.05	11.28	J-505
J-1184	MF	0.00	3.81	1,503.81	4,003.81	True	80.24	11.28	J-505
J-239	MF	0.00	0.00	1,500.00	4,000.00	True	80.29	11.28	J-505
J-1200	MF	0.00	0.00	1,500.00	4,000.00	True	80.26	11.28	J-505
J-1183	MF	0.00	0.00	1,500.00	4,000.00	True	80.34	11.28	J-505
J-484	MF	0.00	0.00	1,500.00	4,000.00	True	80.41	11.28	J-505
J-665	MF	0.00	0.00	1,500.00	4,000.00	True	80.52	11.28	J-505
J-672	MF	0.00	0.00	1,500.00	4,000.00	True	80.54	11.28	J-505
J-509	MF	0.00	6.15	1,506.15	4,006.15	True	80.57	11.28	J-505
J-1198	MF	0.00	0.00	1,500.00	4,000.00	True	80.61	11.28	J-505
J-671	MF	0.00	0.00	1,500.00	4,000.00	True	80.71	11.28	J-505
J-266	MF	0.00	0.00	1,500.00	4,000.00	True	80.66	11.28	J-505
J31	MF	0.00	0.00	1,500.00	4,000.00	True	80.73	11.28	J-505
J-1195	MF	0.00	0.00	1,500.00	4,000.00	True	80.74	11.28	J-505
J-1197	MF	0.00	0.00	1,500.00	4,000.00	True	80.80	11.28	J-505
J46	MF	0.00	0.00	1,500.00	4,000.00	True	80.86	11.28	J-505
J53	MF	0.00	0.00	1,500.00	4,000.00	True	80.95	11.28	J-505
J-448	MF	0.00	0.00	1,500.00	4,000.00	True	81.04	11.28	J-505
J-1212	MF	0.00	0.00	1,500.00	4,000.00	True	81.12	11.28	J-505
J-508	MF	0.00	6.15	1,506.15	4,006.15	True	81.37	11.28	J-505
J-1196	MF	0.00	3.81	1,503.81	4,003.81	True	81.39	11.28	J-505
J-652	MF	0.00	0.00	1,500.00	4,000.00	True	81.45	11.28	J-505
J-1213	MF	0.00	3.99	1,503.99	4,003.99	True	81.53	11.28	J-505
J-656	MF	0.00	0.00	1,500.00	4,000.00	True	81.73	11.28	J-505
J-512	MF	0.00	4.99	1,504.99	4,004.99	True	81.79	11.28	J-505
J-498	MF	0.00	0.00	1,500.00	4,000.00	True	82.21	11.28	J-505
J-548	MF	0.00	5.68	1,505.68	4,005.68	True	82.26	11.28	J-505
J-238	MF	0.00	0.00	1,500.00	4,000.00	True	82.32	11.28	J-505
J39	MF	0.00	0.00	1,500.00	4,000.00	True	82.35	11.28	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Action (2027) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-467	MF	0.00	0.00	1,500.00	4,000.00	True	82.39	11.28	J-505
J-670	MF	0.00	0.00	1,500.00	4,000.00	True	82.52	11.28	J-505
J42	MF	0.00	0.00	1,500.00	4,000.00	True	82.71	11.28	J-505
J-255	MF	0.00	0.00	1,500.00	4,000.00	True	82.68	11.28	J-505
J-676	MF	0.00	0.00	1,500.00	4,000.00	True	82.84	11.28	J-505
J-549	MF	0.00	5.68	1,505.68	4,005.68	True	82.84	11.28	J-505
J10	MF	0.00	0.00	1,500.00	4,000.00	True	83.16	11.28	J-505
J-499	MF	0.00	0.00	1,500.00	4,000.00	True	83.27	11.28	J-505
J-558	MF	0.00	5.18	1,505.18	4,005.18	True	83.32	11.28	J-505
J-017	MF	0.00	0.00	1,500.00	4,000.00	True	83.41	11.28	J-505
J-657	MF	0.00	0.00	1,500.00	4,000.00	True	83.48	11.28	J-505
J-018	MF	0.00	0.00	1,500.00	4,000.00	True	83.46	11.28	J-505
J-661	MF	0.00	0.00	1,500.00	4,000.00	True	83.58	11.28	J-505
J32	MF	0.00	0.00	1,500.00	4,000.00	True	83.82	11.28	J-505
J26	MF	0.00	0.75	1,500.75	3,599.67	True	84.03	11.28	J-505
J-513	MF	0.00	4.99	1,504.99	4,004.99	True	84.04	11.28	J-505
J-662	MF	0.00	0.00	1,500.00	4,000.00	True	84.04	11.28	J-505
J-664	MF	0.00	0.00	1,500.00	4,000.00	True	84.18	11.28	J-505
J-483	MF	0.00	0.00	1,500.00	4,000.00	True	84.45	11.28	J-505
J-510	MF	0.00	6.15	1,506.15	4,006.15	True	84.66	11.28	J-505
J-663	MF	0.00	0.00	1,500.00	4,000.00	True	85.59	11.28	J-505
J-235	MF	0.00	0.00	1,500.00	4,000.00	True	85.59	11.28	J-505
J-521	MF	0.00	3.65	1,503.65	4,003.65	True	86.03	11.28	J-505
J48	MF	0.00	0.00	1,500.00	4,000.00	True	86.05	11.28	J-505
J-668	MF	0.00	0.00	1,500.00	4,000.00	True	86.58	11.28	J-505
J-669	MF	0.00	0.00	1,500.00	4,000.00	True	86.62	11.28	J-505
J-532	MF	0.00	2.37	1,502.37	4,002.37	True	86.72	11.28	J-505
J-673	MF	0.00	0.00	1,500.00	4,000.00	True	86.69	11.28	J-505
J28	MF	0.00	0.00	1,500.00	4,000.00	True	86.72	11.28	J-505
J41	MF	0.00	0.00	1,500.00	4,000.00	True	87.01	11.28	J-505
J-561	MF	0.00	5.40	1,505.40	4,005.40	True	87.28	11.28	J-505
J-41.1	MF	0.00	0.00	1,500.00	4,000.00	True	87.50	11.28	J-505
J-514	MF	0.00	4.99	1,504.99	4,004.99	True	87.58	11.28	J-505
J-674	MF	0.00	0.00	1,500.00	4,000.00	True	87.59	11.28	J-505
J-518	MF	0.00	3.10	1,503.10	4,003.09	True	87.64	11.28	J-505
J-551	MF	0.00	0.00	1,500.00	4,000.00	True	87.59	11.28	J-505
J-675	MF	0.00	0.00	1,500.00	4,000.00	True	87.78	11.28	J-505
J-533	MF	0.00	2.37	1,502.37	4,002.37	True	88.61	11.28	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Action (2027) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-677	MF	0.00	0.00	1,500.00	4,000.00	True	88.79	11.28	J-505
J-524	MF	0.00	0.00	1,500.00	4,000.00	True	88.84	11.28	J-505
J-678	MF	0.00	8.56	1,508.56	4,008.56	True	89.19	11.28	J-505
J25	MF	0.00	2.36	1,502.36	4,002.36	True	89.46	11.28	J-505
J-536	MF	0.00	2.53	1,502.53	4,002.53	True	89.72	11.28	J-505
J-545	MF	0.00	2.84	1,502.84	4,002.84	True	89.75	11.28	J-505
J47	MF	0.00	0.00	1,500.00	4,000.00	True	90.12	11.28	J-505
J-531	MF	0.00	2.37	1,502.37	4,002.37	True	90.66	11.28	J-505
J-519	MF	0.00	3.10	1,503.10	4,003.09	True	90.81	11.28	J-505
J-517	MF	0.00	3.10	1,503.10	4,003.09	True	90.87	11.28	J-505
J-527	MF	0.00	4.35	1,504.35	4,004.35	True	90.96	11.28	J-505
J-526	MF	0.00	4.35	1,504.35	4,004.35	True	91.23	11.28	J-505
J-547	MF	0.00	0.00	1,500.00	4,000.00	True	91.27	11.28	J-505
J-544	MF	0.00	2.84	1,502.84	4,002.84	True	91.30	11.28	J-505
J-559	MF	0.00	5.40	1,505.40	4,005.40	True	91.29	11.28	J-505
J37	MF	0.00	0.00	1,500.00	4,000.00	True	91.41	11.28	J-505
J-535	MF	0.00	2.53	1,502.53	4,002.53	True	91.59	11.28	J-505
J-537	MF	0.00	2.53	1,502.53	4,002.53	True	91.67	11.28	J-505
J36	MF	0.00	0.00	1,500.00	4,000.00	True	91.87	11.28	J-505
J-546	MF	0.00	0.00	1,500.00	4,000.00	True	91.98	11.28	J-505
J33	MF	0.00	0.00	1,500.00	4,000.00	True	92.00	11.28	J-505
J-528	MF	0.00	4.35	1,504.35	4,004.35	True	92.13	11.28	J-505
J-540	MF	0.00	3.01	1,503.01	4,003.01	True	92.42	11.28	J-505
J-511	MF	0.00	0.00	1,500.00	4,000.00	True	92.59	11.28	J-505
J-515	MF	0.00	0.00	1,500.00	4,000.00	True	92.72	11.28	J-505
J-541	MF	0.00	3.01	1,503.01	4,003.01	True	92.84	11.28	J-505
J-516	MF	0.00	0.00	1,500.00	4,000.00	True	92.96	11.28	J-505
J34	MF	0.00	0.00	1,500.00	4,000.00	True	92.97	11.28	J-505
J-538	MF	0.00	0.00	1,500.00	4,000.00	True	92.99	11.28	J-505
J-539	MF	0.00	3.01	1,503.01	4,003.01	True	93.22	11.28	J-505
J-016	MF	0.00	0.00	1,500.00	4,000.00	True	93.15	11.28	J-505
J-543	MF	0.00	0.00	1,500.00	4,000.00	True	93.66	11.28	J-505
J-542	MF	0.00	0.00	1,500.00	4,000.00	True	94.17	11.28	J-505
J49	MF	0.00	1.18	1,501.18	4,001.18	True	94.73	11.28	J-505
J-520	MF	0.00	0.00	1,500.00	4,000.00	True	94.71	11.28	J-505
J-525	MF	0.00	0.00	1,500.00	4,000.00	True	95.08	11.28	J-505
J11	MF	0.00	6.81	1,506.81	4,006.81	True	95.26	11.28	J-505
J-534	MF	0.00	0.00	1,500.00	4,000.00	True	95.41	11.28	J-505

**GBWC-PD 2024 IRP - Mountain Falls System
Action (2027) MDD+Fire Condition Distribution System Junction
Report**

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-529	MF	0.00	0.00	1,500.00	4,000.00	True	95.43	11.28	J-505
J-560	MF	0.00	5.40	1,505.40	4,005.40	True	95.51	11.28	J-505
J35	MF	0.00	0.00	1,500.00	4,000.00	True	95.62	11.28	J-505

GBWC-PD 2024 IRP - Mountain Falls System
Action (2027) PHD Condition Distribution System Junction Report
JCT-IRP - Time: 0.00 hours

Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1081	2,760.00	MF	0.00	2,842.61	35.74
J-1082	2,758.00	MF	12.13	2,849.12	39.43
J-1080	2,760.00	MF	0.00	2,859.69	43.13
J-1083	2,755.00	MF	0.00	2,861.71	46.17
J-1079	2,756.00	MF	0.00	2,864.60	46.98
J-1112	2,754.29	MF	0.00	2,867.47	48.97
J-1111	2,754.00	MF	0.00	2,880.06	54.54
J-1110	2,753.00	MF	0.00	2,880.06	54.97
J-1218	2,747.00	MF	0.00	2,864.60	50.88
J-1084	2,749.00	MF	0.00	2,870.59	52.61
J-1108	2,752.00	MF	0.00	2,880.06	55.40
J-1109	2,752.00	MF	0.00	2,880.06	55.40
J-1078	2,746.00	MF	0.00	2,864.60	51.31
J-1107	2,748.00	MF	0.00	2,880.06	57.13
J-556	2,760.00	MF	6.40	2,922.88	70.47
J-1106	2,746.00	MF	0.00	2,886.64	60.85
J-1103	2,747.00	MF	0.00	2,893.11	63.22
J-1104	2,747.00	MF	0.00	2,893.11	63.22
J-1105	2,747.00	MF	0.00	2,893.11	63.22
J-1085	2,742.00	MF	0.00	2,879.28	59.39
J-1124	2,750.00	MF	0.00	2,907.55	68.16
J-555	2,755.00	MF	6.40	2,922.84	72.62
J-1123	2,749.00	MF	0.00	2,907.55	68.60
J-1087	2,741.00	MF	0.00	2,889.17	64.11
J-1086	2,740.00	MF	12.13	2,889.17	64.54
J-1094	2,744.00	MF	0.00	2,901.33	68.07
J-553	2,752.00	MF	0.00	2,922.79	73.89
J-1120	2,746.00	MF	4.01	2,907.55	69.89
J-1122	2,746.00	MF	0.00	2,907.55	69.89
J-1091	2,743.00	MF	12.13	2,901.26	68.47
J-1093	2,743.00	MF	0.00	2,901.33	68.50
J-1121	2,745.00	MF	0.00	2,907.55	70.33
J-1088	2,739.00	MF	0.00	2,891.42	65.95
J8	2,748.00	MF	0.00	2,916.54	72.92
J5	2,750.00	MF	0.00	2,922.72	74.73
J-1066	2,749.00	MF	0.00	2,920.31	74.12
J-1098	2,742.00	MF	0.00	2,901.52	69.02
J-703	2,743.79	MF	0.00	2,907.35	70.77
J-704	2,743.64	MF	0.00	2,907.35	70.83
J-705	2,743.35	MF	0.00	2,907.36	70.96
J-1067	2,748.00	MF	0.00	2,920.31	74.55
J-1071	2,748.00	MF	0.00	2,920.33	74.56
J-554	2,749.00	MF	6.40	2,922.81	75.20
J-1102	2,741.00	MF	0.00	2,901.72	69.54
J-1119	2,743.00	MF	0.00	2,907.55	71.19

GBWC-PD 2024 IRP - Mountain Falls System
Action (2027) PHD Condition Distribution System Junction Report
JCT-IRP - Time: 0.00 hours

Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-712	2,742.56	MF	0.00	2,907.35	71.30
J-347	2,743.00	MF	0.00	2,908.78	71.72
J-702	2,742.22	MF	0.00	2,907.35	71.44
J-1092	2,740.00	MF	0.00	2,901.33	69.80
J-1070	2,747.00	MF	0.00	2,920.33	74.99
J-706	2,741.99	MF	0.00	2,907.36	71.55
J-1101	2,740.00	MF	0.00	2,901.72	69.97
J-1118	2,742.00	MF	0.00	2,907.53	71.62
J-711	2,741.87	MF	0.00	2,907.35	71.59
J-713	2,741.46	MF	0.00	2,907.36	71.78
J-707	2,741.15	MF	0.00	2,907.37	71.91
J6	2,747.00	MF	0.00	2,922.72	76.02
J-1074	2,746.00	MF	0.00	2,920.36	75.44
J-1097	2,739.00	MF	0.00	2,901.52	70.32
J17	2,740.72	MF	9.78	2,907.34	72.09
J-714	2,740.53	MF	0.00	2,907.37	72.18
J-501	2,746.00	MF	0.00	2,921.80	76.06
J-493	2,741.00	MF	0.00	2,908.68	72.55
J-708	2,740.39	MF	0.00	2,907.37	72.24
J-1062	2,745.00	MF	0.00	2,920.29	75.84
J-1069	2,745.00	MF	14.80	2,920.33	75.86
J3	2,746.00	MF	0.00	2,922.99	76.57
J-1117	2,740.00	MF	0.00	2,907.49	72.47
J-715	2,739.73	MF	0.00	2,907.37	72.53
J-557	2,745.67	MF	0.00	2,922.96	76.70
J-709	2,739.59	MF	0.00	2,907.37	72.59
J-563	2,745.25	MF	9.45	2,922.92	76.87
J-1063	2,744.00	MF	0.00	2,920.29	76.27
J-1065	2,744.00	MF	0.00	2,920.31	76.28
J-1073	2,744.00	MF	0.00	2,920.36	76.30
J-1095	2,737.00	MF	0.00	2,901.44	71.14
J-1096	2,737.00	MF	0.00	2,901.52	71.18
J-1099	2,737.00	MF	0.00	2,901.63	71.23
J-710	2,738.98	MF	0.00	2,907.38	72.86
J-1100	2,737.00	MF	0.00	2,901.72	71.27
J-1116	2,739.00	MF	4.01	2,907.49	72.90
GC-3	2,744.45	MF	0.00	2,922.85	77.19
J-1068	2,743.00	MF	0.00	2,920.32	76.72
J-1072	2,743.00	MF	0.00	2,920.36	76.74
J-716	2,738.06	MF	0.00	2,907.38	73.26
J-717	2,737.80	MF	0.00	2,907.39	73.37
J-726	2,737.80	MF	0.00	2,907.40	73.38
J-552	2,743.53	MF	0.00	2,922.77	77.55
J-727	2,737.20	MF	0.00	2,907.40	73.64
J-1138	2,737.00	MF	0.00	2,906.92	73.52

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Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1159	2,737.00	MF	8.11	2,907.00	73.55
J-1161	2,737.00	MF	0.00	2,907.00	73.55
J-1153	2,737.00	MF	0.00	2,907.01	73.55
J-500	2,743.00	MF	0.00	2,922.68	77.74
J-1059	2,742.00	MF	0.00	2,920.26	77.13
J4	2,743.00	MF	0.00	2,922.72	77.75
J-1064	2,742.00	MF	0.00	2,920.30	77.14
J-1077	2,742.00	MF	0.00	2,920.38	77.18
J-718	2,737.02	MF	0.00	2,907.39	73.71
J-374	2,736.93	MF	0.00	2,907.29	73.71
J-719	2,736.92	MF	0.00	2,907.39	73.75
J-1113	2,737.00	MF	4.01	2,907.59	73.81
J-1137	2,736.00	MF	8.70	2,906.92	73.95
J-1139	2,736.00	MF	0.00	2,906.92	73.95
J-1141	2,736.00	MF	0.00	2,906.92	73.95
J-1160	2,736.00	MF	0.00	2,907.00	73.98
J-1158	2,736.00	MF	0.00	2,907.00	73.99
J-1154	2,736.00	MF	0.00	2,907.01	73.99
J-1060	2,741.00	MF	0.00	2,920.27	77.56
J-1061	2,741.00	MF	0.00	2,920.29	77.57
J-1115	2,736.00	MF	0.00	2,907.46	74.18
J-1114	2,736.00	MF	0.00	2,907.47	74.19
J-720	2,735.94	MF	0.00	2,907.40	74.18
J-1089	2,734.00	MF	0.00	2,901.89	72.64
J-1090	2,734.00	MF	0.00	2,902.06	72.71
J-370	2,736.00	MF	0.00	2,907.81	74.33
J-728	2,735.66	MF	0.00	2,907.40	74.31
J-1136	2,735.00	MF	0.00	2,906.93	74.38
J-1058	2,740.00	MF	0.00	2,920.26	77.99
J-729	2,735.09	MF	0.00	2,907.41	74.55
J-721	2,735.04	MF	0.00	2,907.40	74.57
J-1056	2,739.00	MF	0.00	2,920.09	78.35
J-1140	2,734.00	MF	0.00	2,906.92	74.82
J-1156	2,734.00	MF	8.11	2,907.00	74.85
J-1151	2,734.00	MF	0.00	2,907.01	74.85
J-1149	2,734.00	MF	0.00	2,907.01	74.85
J-1150	2,734.00	MF	0.00	2,907.01	74.85
J-1076	2,739.00	MF	0.00	2,920.41	78.49
J30	2,734.00	MF	0.00	2,907.23	74.95
J52	2,734.00	MF	0.00	2,907.31	74.98
J-730	2,733.82	MF	0.00	2,907.41	75.10
J-346	2,733.00	MF	0.00	2,906.79	75.19
J-1135	2,733.00	MF	0.00	2,906.93	75.25
J-1134	2,733.00	MF	0.00	2,906.93	75.25
J-1162	2,733.00	MF	0.00	2,907.00	75.28

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J-1155	2,733.00	MF	0.00	2,907.01	75.28
J-1152	2,733.00	MF	0.00	2,907.01	75.28
J-1148	2,733.00	MF	0.00	2,907.01	75.29
J-1057	2,738.00	MF	14.80	2,920.24	78.85
J-1039	2,738.00	MF	0.00	2,920.36	78.90
J-722	2,733.05	MF	9.78	2,907.41	75.44
J-731	2,732.58	MF	0.00	2,907.42	75.64
J-1040	2,737.00	MF	0.00	2,920.03	79.19
J-492	2,732.00	MF	0.00	2,906.80	75.63
J-1055	2,737.00	MF	0.00	2,920.09	79.22
J-1142	2,732.00	MF	0.00	2,906.92	75.68
J-1130	2,732.00	MF	0.00	2,906.94	75.69
J-1147	2,732.00	MF	0.00	2,907.01	75.72
J-1075	2,737.00	MF	0.00	2,920.31	79.31
J-1037	2,737.00	MF	0.00	2,920.36	79.33
J-732	2,732.02	MF	0.00	2,907.42	75.89
J-1049	2,736.00	MF	0.00	2,919.66	79.46
J-1041	2,736.00	MF	0.00	2,919.85	79.54
J-1051	2,736.00	MF	0.00	2,919.93	79.58
J-1053	2,736.00	MF	0.00	2,920.06	79.63
J-1054	2,736.00	MF	0.00	2,920.09	79.65
J-1143	2,731.00	MF	0.00	2,906.92	76.11
J-1038	2,736.00	MF	0.00	2,920.36	79.77
J27	2,736.00	MF	0.00	2,920.60	79.87
J-733	2,730.74	MF	0.00	2,907.42	76.44
J-723	2,730.64	MF	0.00	2,907.42	76.48
J-1042	2,735.00	MF	0.00	2,919.78	79.95
J-1050	2,735.00	MF	0.00	2,919.93	80.01
J-1052	2,735.00	MF	0.00	2,919.93	80.01
J-724	2,730.24	MF	0.00	2,907.42	76.66
J-1125	2,730.00	MF	8.70	2,906.92	76.55
J-1132	2,730.00	MF	0.00	2,906.94	76.55
J-1146	2,730.00	MF	8.11	2,907.02	76.59
J-1176	2,730.00	MF	0.00	2,907.23	76.68
J-491	2,735.00	MF	0.00	2,920.44	80.23
J-725	2,729.79	MF	0.00	2,907.43	76.85
J-744	2,729.58	MF	0.00	2,907.45	76.95
J-1045	2,734.00	MF	0.00	2,919.63	80.31
J-1047	2,734.00	MF	0.00	2,919.65	80.32
J-562	2,729.17	MF	9.45	2,906.86	76.88
J-1131	2,729.00	MF	0.00	2,906.94	76.99
J-1170	2,729.00	MF	0.00	2,907.23	77.11
GC-1	2,735.00	MF	0.00	2,922.99	81.33
J-1035	2,733.00	MF	0.00	2,918.12	80.09
J-734	2,728.87	MF	0.00	2,907.43	77.26

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J-745	2,728.65	MF	0.00	2,907.45	77.36
J-746	2,728.41	MF	0.00	2,907.45	77.46
J-1046	2,733.00	MF	14.80	2,919.57	80.72
J-1048	2,733.00	MF	0.00	2,919.66	80.76
J-1043	2,733.00	MF	0.00	2,919.70	80.78
J-304	2,733.00	MF	0.00	2,919.80	80.82
J-735	2,728.25	MF	0.00	2,907.44	77.53
J-1133	2,728.00	MF	0.00	2,906.94	77.42
J-1144	2,728.00	MF	0.00	2,907.00	77.45
J-1018	2,732.00	MF	0.00	2,918.12	80.53
J-736	2,727.74	MF	0.00	2,907.45	77.75
J-1044	2,732.00	MF	0.00	2,919.68	81.20
J-747	2,727.25	MF	0.00	2,907.46	77.97
J-384	2,727.00	MF	0.00	2,906.91	77.84
J-1126	2,727.00	MF	0.00	2,906.93	77.85
J-1127	2,727.00	MF	0.00	2,906.94	77.85
J-1157	2,727.00	MF	0.00	2,907.00	77.88
J-1173	2,727.00	MF	0.00	2,907.23	77.98
J-1032	2,731.00	MF	0.00	2,918.12	80.96
J-1036	2,731.00	MF	0.00	2,918.12	80.96
J-1019	2,731.00	MF	0.00	2,918.12	80.96
J-737	2,726.61	MF	0.00	2,907.45	78.24
J-495	2,726.00	MF	0.00	2,906.94	78.28
J-1128	2,726.00	MF	8.70	2,906.95	78.29
J-1145	2,726.00	MF	0.00	2,907.01	78.31
J-1168	2,726.00	MF	0.00	2,907.23	78.41
J-1169	2,726.00	MF	0.00	2,907.23	78.41
J-1033	2,730.00	MF	0.00	2,918.12	81.39
J-1034	2,730.00	MF	0.00	2,918.12	81.39
J-1029	2,730.00	MF	0.00	2,918.12	81.39
J29	2,730.00	MF	0.00	2,919.05	81.79
J-748	2,725.58	MF	0.00	2,907.46	78.69
J-302	2,730.00	MF	0.00	2,919.31	81.90
J-303	2,730.00	MF	0.00	2,919.39	81.94
J-1216	2,729.00	MF	0.00	2,916.96	81.32
J-1129	2,725.00	MF	0.00	2,906.95	78.72
J-390	2,725.00	MF	0.00	2,906.98	78.73
J-1167	2,725.00	MF	0.00	2,907.23	78.84
J-1172	2,725.00	MF	0.00	2,907.23	78.84
J-1030	2,729.00	MF	0.00	2,918.12	81.82
J-1020	2,729.00	MF	9.37	2,918.12	81.82
J-1017	2,729.00	MF	0.00	2,918.12	81.82
J-1022	2,729.00	MF	0.00	2,918.12	81.82
J-738	2,724.75	MF	0.00	2,907.46	79.05
J-1217	2,728.00	MF	0.00	2,917.16	81.84

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Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1174	2,724.00	MF	0.00	2,907.23	79.28
J-1031	2,728.00	MF	9.37	2,918.12	82.26
J-1026	2,728.00	MF	0.00	2,918.12	82.26
J-1028	2,728.00	MF	0.00	2,918.12	82.26
J-1027	2,728.00	MF	0.00	2,918.12	82.26
J-749	2,723.86	MF	0.00	2,907.47	79.44
J-739	2,723.70	MF	0.00	2,907.47	79.51
J45	2,723.00	MF	0.00	2,906.99	79.61
J-1163	2,723.00	MF	0.00	2,907.00	79.61
J-1006	2,726.00	MF	0.00	2,915.22	81.87
J-1005	2,726.00	MF	0.00	2,915.24	81.88
J-1164.1	2,723.00	MF	0.00	2,907.23	79.71
J-1165	2,723.00	MF	0.00	2,907.23	79.71
J-1166	2,723.00	MF	0.00	2,907.23	79.71
J-1171	2,723.00	MF	6.86	2,907.23	79.71
J-227	2,723.02	MF	0.00	2,907.48	79.81
J-759	2,722.99	MF	0.00	2,907.48	79.82
J-1024	2,727.00	MF	9.37	2,918.12	82.69
J-1023	2,727.00	MF	0.00	2,918.12	82.69
J-1021	2,727.00	MF	0.00	2,918.12	82.69
J-267	2,727.00	MF	0.00	2,918.12	82.69
J-228	2,722.82	MF	0.00	2,907.48	79.89
J-756	2,722.60	MF	0.00	2,907.48	79.99
J-750	2,722.52	MF	0.00	2,907.47	80.02
J-564	2,726.27	MF	9.45	2,917.80	82.86
J-742	2,722.24	MF	0.00	2,907.48	80.15
J-758	2,722.13	MF	0.00	2,907.48	80.19
J-1002	2,725.00	MF	0.00	2,915.28	82.32
J-1003	2,725.00	MF	0.00	2,915.28	82.32
J-1011	2,725.00	MF	0.00	2,915.33	82.35
J-740	2,722.09	MF	0.00	2,907.47	80.21
J-1164	2,722.00	MF	6.86	2,907.23	80.14
J-1009	2,725.00	MF	11.20	2,915.33	82.35
J-1175	2,722.00	MF	0.00	2,907.23	80.14
J-1025	2,726.00	MF	0.00	2,918.12	83.12
J-751	2,721.63	MF	0.00	2,907.47	80.41
J-755	2,721.63	MF	0.00	2,907.48	80.41
J-757	2,721.54	MF	0.00	2,907.48	80.45
J-488	2,725.00	MF	0.00	2,917.16	83.14
J-490	2,725.00	MF	0.00	2,917.24	83.17
J-1007	2,724.00	MF	0.00	2,915.19	82.72
J-1012	2,724.00	MF	0.00	2,915.25	82.74
J-1013	2,724.00	MF	0.00	2,915.25	82.74
J-1220	2,721.00	MF	0.00	2,907.21	80.56
J-1009.2	2,724.00	MF	0.00	2,915.34	82.78

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J-1177	2,721.00	MF	0.00	2,907.24	80.58
J-1178	2,721.00	MF	0.00	2,907.25	80.58
J-1179	2,721.00	MF	0.00	2,907.25	80.58
J-1180	2,721.00	MF	0.00	2,907.25	80.58
J-752	2,720.99	MF	0.00	2,907.48	80.68
J-741	2,720.59	MF	9.78	2,907.48	80.86
J-753	2,720.47	MF	0.00	2,907.48	80.91
J-486	2,724.00	MF	0.00	2,916.96	83.48
J-430	2,720.46	MF	0.00	2,907.58	80.96
J-496	2,720.00	MF	0.00	2,907.11	80.95
J-1014	2,723.00	MF	0.00	2,915.25	83.18
J-1009.1	2,723.00	MF	0.00	2,915.33	83.21
J-1182	2,720.00	MF	0.00	2,907.25	81.01
J-1181	2,720.00	MF	6.86	2,907.25	81.02
J-754	2,720.03	MF	0.00	2,907.48	81.10
J-429	2,720.03	MF	0.00	2,907.58	81.14
J-1193	2,720.00	MF	0.00	2,907.53	81.14
J-743	2,719.69	MF	0.00	2,907.49	81.25
J-1219	2,719.00	MF	0.00	2,907.04	81.36
J-1008.1	2,722.00	MF	0.00	2,915.22	83.60
J-1001	2,722.00	MF	0.00	2,915.28	83.62
J-1000	2,722.00	MF	0.00	2,915.28	83.62
J-1010	2,722.00	MF	0.00	2,915.33	83.65
J-447	2,718.99	MF	0.00	2,907.28	81.47
J-428	2,718.69	MF	0.00	2,907.58	81.72
J-497	2,718.22	MF	0.00	2,907.31	81.81
J-1008.2	2,721.00	MF	0.00	2,914.94	83.91
J-1008	2,721.00	MF	11.20	2,915.17	84.01
J-1004	2,721.00	MF	0.00	2,915.27	84.05
J-484	2,721.00	MF	0.00	2,915.38	84.10
J-427	2,718.05	MF	0.00	2,907.58	82.00
J-1186	2,718.00	MF	0.00	2,907.49	81.98
J-1192	2,718.00	MF	0.00	2,907.53	82.00
J-426	2,717.66	MF	0.00	2,907.57	82.16
J-015	2,717.50	MF	0.00	2,907.54	82.22
J-458	2,717.45	MF	0.00	2,907.53	82.24
J-266	2,720.00	MF	0.00	2,915.01	84.37
J14	2,717.17	MF	0.00	2,907.50	82.35
J53	2,720.00	MF	0.00	2,915.45	84.56
J-425	2,717.03	MF	6.89	2,907.58	82.44
J-1185	2,717.00	MF	0.00	2,907.49	82.42
J-1188	2,717.00	MF	0.00	2,907.52	82.43
J-1191	2,717.00	MF	6.66	2,907.53	82.43
J-1204	2,717.00	MF	0.00	2,907.67	82.49
J-421	2,716.98	MF	0.00	2,907.83	82.57

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J-1016	2,719.00	MF	0.00	2,915.09	84.84
J-1215	2,719.00	MF	0.00	2,915.09	84.84
J-1190	2,716.00	MF	0.00	2,907.53	82.87
J-1203	2,716.00	MF	0.00	2,907.67	82.93
J-1205	2,716.00	MF	0.00	2,907.68	82.93
J-419	2,715.72	MF	0.00	2,907.83	83.12
J-420	2,715.33	MF	0.00	2,907.83	83.29
J-1015	2,718.00	MF	11.20	2,915.09	85.27
J31	2,715.00	MF	0.00	2,907.41	83.25
J-424	2,715.00	MF	0.00	2,907.65	83.35
J-418	2,714.86	MF	0.00	2,907.83	83.49
J-448	2,714.53	MF	0.00	2,907.46	83.47
J-619	2,714.74	MF	0.00	2,908.68	83.91
J-416	2,714.27	MF	0.00	2,907.83	83.74
J-550	2,716.00	MF	9.94	2,912.63	85.07
J-1183	2,714.00	MF	0.00	2,907.49	83.72
J-1184	2,714.00	MF	6.66	2,907.49	83.72
J-1187	2,714.00	MF	0.00	2,907.50	83.72
J-1189	2,714.00	MF	0.00	2,907.53	83.73
J-1199	2,714.00	MF	0.00	2,907.54	83.73
J-1202	2,714.00	MF	6.99	2,907.67	83.79
J-417	2,713.82	MF	0.00	2,907.83	83.94
J-413	2,713.65	MF	0.00	2,907.83	84.01
J-618	2,713.79	MF	0.00	2,908.68	84.32
J-607	2,713.59	MF	14.99	2,908.34	84.26
J-606	2,713.51	MF	0.00	2,908.34	84.30
J-415	2,713.32	MF	0.00	2,907.83	84.16
J-423	2,713.02	MF	0.00	2,907.72	84.24
J-1200	2,713.00	MF	0.00	2,907.66	84.22
J-1209	2,713.00	MF	0.00	2,907.72	84.24
J-617	2,713.00	MF	0.00	2,908.68	84.66
J-255	2,715.00	MF	0.00	2,914.57	86.34
J-605	2,712.59	MF	0.00	2,908.34	84.69
J-414	2,712.14	MF	0.00	2,907.83	84.67
J-1194	2,712.00	MF	0.00	2,907.51	84.59
J-1198	2,712.00	MF	0.00	2,907.54	84.60
J-1197	2,712.00	MF	0.00	2,907.54	84.60
J-1196	2,712.00	MF	6.66	2,907.54	84.60
J-498	2,712.00	MF	0.00	2,907.57	84.61
J39	2,712.00	MF	0.00	2,907.61	84.63
J-1201	2,712.00	MF	0.00	2,907.66	84.65
J-1206	2,712.00	MF	0.00	2,907.69	84.67
J-1207	2,712.00	MF	6.99	2,907.71	84.67
J-616	2,712.23	MF	0.00	2,908.68	84.99
J-467	2,711.86	MF	0.00	2,907.62	84.69

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Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-422	2,711.35	MF	0.00	2,907.77	84.98
J-604	2,711.43	MF	0.00	2,908.35	85.20
J-412	2,711.26	MF	0.00	2,907.83	85.05
J-403	2,711.20	MF	0.00	2,907.91	85.11
J42	2,710.96	MF	0.00	2,907.59	85.07
J-608	2,710.98	MF	4.28	2,908.35	85.39
J-615	2,711.09	MF	0.00	2,908.68	85.49
J-613	2,710.95	MF	0.00	2,908.67	85.54
J-404	2,710.64	MF	0.00	2,907.89	85.34
J-401	2,710.61	MF	6.89	2,907.96	85.38
J-603	2,710.50	MF	0.00	2,908.35	85.60
J-410	2,710.26	MF	6.89	2,907.83	85.48
J-400	2,710.26	MF	0.00	2,907.97	85.54
J-612	2,710.45	MF	0.00	2,908.64	85.75
J-1195	2,710.00	MF	0.00	2,907.53	85.46
J-1214	2,710.00	MF	0.00	2,907.71	85.54
J-1208	2,710.00	MF	0.00	2,907.72	85.54
J-1210	2,710.00	MF	0.00	2,907.73	85.55
J-614	2,710.22	MF	0.00	2,908.68	85.86
J-610	2,710.07	MF	0.00	2,908.40	85.81
J-508	2,710.00	MF	10.76	2,908.21	85.76
J-620	2,710.07	MF	0.00	2,908.69	85.93
J-409	2,709.74	MF	0.00	2,907.83	85.70
J-602	2,709.81	MF	0.00	2,908.35	85.90
J-621	2,709.92	MF	0.00	2,908.70	86.00
J-601	2,709.58	MF	0.00	2,908.32	85.98
J-231	2,709.41	MF	0.00	2,907.83	85.85
J-411	2,709.35	MF	0.00	2,907.83	85.87
J-408	2,709.31	MF	0.00	2,907.83	85.89
J-017	2,709.20	MF	0.00	2,907.56	85.82
J-499	2,709.23	MF	0.00	2,907.75	85.89
J-611	2,709.51	MF	0.00	2,908.62	86.15
J-600	2,709.32	MF	0.00	2,908.14	86.02
J-018	2,709.10	MF	0.00	2,907.56	85.87
J-1211	2,709.00	MF	0.00	2,907.73	85.98
J-1212	2,709.00	MF	0.00	2,907.75	85.99
J-1213	2,709.00	MF	6.99	2,907.75	85.99
J-627	2,709.28	MF	0.00	2,908.63	86.25
J-623	2,709.24	MF	0.00	2,908.72	86.30
J10	2,709.00	MF	0.00	2,908.20	86.18
J38	2,711.00	MF	4.96	2,913.94	87.80
J-406	2,708.62	MF	0.00	2,907.85	86.20
J-405	2,708.62	MF	0.00	2,907.89	86.22
J-229	2,708.52	MF	0.00	2,907.89	86.26
J-622	2,708.73	MF	0.00	2,908.72	86.52

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Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J32	2,708.00	MF	0.00	2,907.81	86.45
J-624	2,708.27	MF	0.00	2,908.73	86.73
J-628	2,708.23	MF	0.00	2,908.68	86.73
J-634	2,708.13	MF	0.00	2,908.88	86.86
J-402	2,707.77	MF	0.00	2,907.96	86.61
J-625	2,707.80	MF	0.00	2,908.74	86.94
J-243	2,707.43	MF	0.00	2,907.96	86.76
J-635	2,707.67	MF	0.00	2,908.88	87.05
J-407	2,707.28	MF	0.00	2,907.85	86.78
J-649	2,707.58	MF	0.00	2,908.87	87.09
J-230	2,707.22	MF	0.00	2,907.85	86.80
J-650	2,707.43	MF	0.00	2,908.87	87.15
J-629	2,707.26	MF	0.00	2,908.73	87.17
J-626	2,707.21	MF	0.00	2,908.75	87.19
J-637	2,707.21	MF	0.00	2,908.88	87.25
J-633	2,707.20	MF	0.00	2,908.88	87.26
J-549	2,708.00	MF	9.94	2,911.07	87.86
J-636	2,707.00	MF	0.00	2,908.88	87.34
J-483	2,706.66	MF	0.00	2,907.85	87.05
J-630	2,706.61	MF	0.00	2,908.76	87.46
J-632	2,706.64	MF	0.00	2,908.88	87.50
J-631	2,706.35	MF	0.00	2,908.88	87.63
J-638	2,706.24	MF	0.00	2,908.88	87.67
J-639	2,705.89	MF	0.00	2,908.88	87.82
J46	2,705.74	MF	0.00	2,908.88	87.89
J-642	2,705.39	MF	0.00	2,908.87	88.04
J-640	2,705.31	MF	0.00	2,908.88	88.07
J-641	2,704.48	MF	0.00	2,908.87	88.43
J-235	2,703.94	MF	0.00	2,908.02	88.29
J-645	2,704.13	MF	14.99	2,908.87	88.58
J-225	2,705.00	MF	9.68	2,913.93	90.40
J-558	2,705.00	MF	9.06	2,913.93	90.40
J28	2,705.00	MF	0.00	2,913.94	90.40
J-646	2,702.12	MF	0.00	2,908.87	89.45
J-648	2,701.28	MF	0.00	2,908.87	89.81
J-242	2,701.21	MF	0.00	2,908.87	89.84
J48	2,701.00	MF	0.00	2,908.27	89.68
J-512	2,701.00	MF	8.73	2,908.39	89.73
J-551	2,701.95	MF	0.00	2,912.84	91.24
J-647	2,700.44	MF	0.00	2,908.87	90.18
J-509	2,700.00	MF	10.76	2,908.35	90.14
J-651	2,700.16	MF	0.00	2,908.87	90.30
J-655	2,699.78	MF	0.00	2,908.87	90.46
J-654	2,699.69	MF	0.00	2,908.87	90.50
J-653	2,699.20	MF	0.00	2,908.87	90.71

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Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-241	2,699.07	MF	0.00	2,908.87	90.77
J-659	2,698.25	MF	0.00	2,908.87	91.12
J-652	2,698.16	MF	0.00	2,908.87	91.16
J-513	2,698.00	MF	8.73	2,908.55	91.09
J-660	2,698.08	MF	0.00	2,908.87	91.20
J-667	2,698.07	MF	0.00	2,908.87	91.20
J-666	2,697.98	MF	0.00	2,908.87	91.24
J-656	2,697.79	MF	0.00	2,908.87	91.32
J-561	2,697.49	MF	9.45	2,908.34	91.22
J-658	2,697.62	MF	0.00	2,908.87	91.40
J-240	2,697.52	MF	0.00	2,908.87	91.44
J-665	2,697.45	MF	0.00	2,908.87	91.47
J-548	2,698.00	MF	9.94	2,910.38	91.89
J-239	2,697.30	MF	0.00	2,908.87	91.53
J-662	2,696.93	MF	0.00	2,908.87	91.70
J-661	2,696.43	MF	0.00	2,908.87	91.91
J-664	2,696.31	MF	0.00	2,908.87	91.96
J-663	2,696.14	MF	0.00	2,908.87	92.04
J-657	2,696.08	MF	0.00	2,908.87	92.06
J-514	2,695.50	MF	8.73	2,908.66	92.23
J41	2,695.25	MF	0.00	2,908.87	92.42
J-510	2,695.00	MF	10.76	2,908.51	92.37
J-41.1	2,694.61	MF	0.00	2,908.74	92.64
J-671	2,694.57	MF	0.00	2,909.05	92.80
J-672	2,694.37	MF	0.00	2,909.05	92.88
J-670	2,693.83	MF	0.00	2,909.05	93.12
J-238	2,693.71	MF	0.00	2,909.05	93.17
J-668	2,693.50	MF	0.00	2,908.98	93.23
J47	2,694.00	MF	0.00	2,911.47	94.09
J-676	2,692.54	MF	0.00	2,909.28	93.77
J-669	2,692.34	MF	0.00	2,909.05	93.76
J-673	2,691.84	MF	0.00	2,909.08	93.99
J37	2,690.00	MF	0.00	2,911.14	95.68
J-521	2,689.00	MF	6.39	2,908.79	95.09
J-518	2,689.00	MF	5.42	2,908.84	95.11
J-559	2,689.65	MF	9.45	2,910.85	95.70
J-674	2,689.04	MF	0.00	2,909.25	95.28
J-675	2,688.66	MF	0.00	2,909.28	95.45
J-545	2,688.51	MF	4.96	2,909.59	95.65
J36	2,688.21	MF	0.00	2,909.71	95.83
J-547	2,687.85	MF	0.00	2,909.71	95.99
J-546	2,687.70	MF	0.00	2,909.65	96.02
J33	2,687.00	MF	0.00	2,908.56	95.86
J-517	2,687.00	MF	5.42	2,908.79	95.96
J-522	2,687.00	MF	6.39	2,908.84	95.98

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JCT-IRP - Time: 0.00 hours

Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-016	2,686.40	MF	0.00	2,907.55	95.68
J-678	2,687.01	MF	14.99	2,909.45	96.24
J-677	2,686.94	MF	0.00	2,909.37	96.24
J-511	2,686.20	MF	0.00	2,908.61	96.23
J-515	2,685.97	MF	0.00	2,908.64	96.34
J-536	2,685.88	MF	4.43	2,909.26	96.64
J-537	2,685.00	MF	4.43	2,909.36	97.07
J-535	2,684.83	MF	4.43	2,909.14	97.05
J-516	2,684.56	MF	0.00	2,908.78	97.01
J-544	2,684.70	MF	4.96	2,909.37	97.21
J-538	2,684.41	MF	0.00	2,909.40	97.34
J34	2,684.00	MF	0.00	2,908.80	97.26
J-519	2,684.00	MF	5.42	2,908.91	97.31
J-523	2,683.00	MF	6.39	2,908.94	97.75
J-543	2,682.65	MF	0.00	2,909.33	98.08
J-524	2,682.00	MF	0.00	2,909.03	98.23
J-542	2,681.21	MF	0.00	2,909.23	98.66
J-526	2,681.00	MF	7.62	2,908.99	98.64
J-541	2,680.52	MF	5.26	2,909.22	98.95
J-520	2,679.84	MF	0.00	2,908.94	99.12
J-525	2,679.04	MF	0.00	2,908.99	99.49
J-534	2,678.54	MF	0.00	2,909.11	99.76
J-529	2,678.35	MF	0.00	2,909.03	99.80
J-560	2,678.27	MF	9.45	2,909.09	99.86
J35	2,678.00	MF	0.00	2,909.06	99.97
J-539	2,678.00	MF	5.26	2,909.13	100.00
J-527	2,677.00	MF	7.62	2,909.00	100.38
J-540	2,677.00	MF	5.26	2,909.16	100.45
J-532	2,676.00	MF	4.14	2,909.05	100.83
J-528	2,675.00	MF	7.62	2,909.01	101.24
J-531	2,675.00	MF	4.14	2,909.05	101.26
J-533	2,673.00	MF	4.14	2,909.05	102.13
J25	2,672.00	MF	4.13	2,909.05	102.56
J49	2,671.50	MF	2.07	2,909.05	102.78
J11	2,671.50	MF	11.91	2,909.05	102.78
J26	2,671.00	MF	1.31	2,909.05	102.99
J50	2,669.00	MF	2.22	2,909.05	103.86

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Action (2027) PHD Condition Distribution System Pipe Report
Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-329	339	18.0	3,310.24	4.17	0.42	130.0
P-1293	36	6.0	2,625.00	29.79	18.50	120.0
P-507	535	12.0	2,367.11	6.71	7.76	120.0
P-826	82	12.0	2,367.11	6.72	1.19	120.0
P-827	363	12.0	2,367.11	6.71	5.26	120.0
P-1117	156	8.0	1,627.73	10.39	8.15	120.0
P-1120	124	8.0	1,627.73	10.39	6.48	120.0
P-1121	126	8.0	1,627.73	10.39	6.58	120.0
P-1125.1	241	8.0	1,627.72	10.39	12.59	120.0
P-1093	327	8.0	1,627.72	10.39	17.08	120.0
P-1092	94	8.0	1,627.72	10.39	4.91	120.0
P-1104	170	8.0	1,488.23	9.50	7.52	120.0
P-504	158	12.0	976.85	2.77	0.44	120.0
P-1380	41	12.0	878.88	2.49	0.09	120.0
P-1381	379	12.0	878.88	2.49	0.88	120.0
P-533	414	12.0	666.54	1.89	0.57	120.0
P-669	331	12.0	380.24	1.08	0.16	120.0
P-354	492	12.0	326.54	0.93	0.18	120.0
P-538	180	12.0	310.31	0.88	0.06	120.0
P-670	163	12.0	273.51	0.78	0.04	120.0
P-1127	179	8.0	212.34	1.36	0.22	120.0
P-1046	188	8.0	215.00	1.37	0.23	120.0
P-1049	272	8.0	214.99	1.37	0.33	120.0
P-1050	147	8.0	214.99	1.37	0.18	120.0
P-1130	157	8.0	200.32	1.28	0.17	120.0
P-1060	244	8.0	200.19	1.28	0.26	120.0
P-1000	201	8.0	175.64	1.12	0.17	120.0
P-1011	312	8.0	164.43	1.05	0.23	120.0
P-1012	494	8.0	164.43	1.05	0.37	120.0
P-361	198	8.0	149.32	0.95	0.12	120.0
P-1128	229	8.0	138.89	0.89	0.13	120.0
P-1129	7	8.0	138.88	0.89	0.00	120.0
P-1009	111	8.0	138.62	0.88	0.06	120.0
P-1010	90	8.0	138.62	0.88	0.05	120.0
P-1013	220	8.0	137.16	0.88	0.12	120.0
P-1018	15	8.0	125.96	0.80	0.01	120.0
P-1019	178	8.0	125.96	0.80	0.08	120.0
P-1022	336	8.0	125.95	0.80	0.15	120.0
P-1374	76	12.0	161.54	0.46	0.01	120.0
P-808	279	12.0	154.16	0.44	0.03	120.0
P-809	34	12.0	154.16	0.44	0.00	120.0
P-1023	219	8.0	114.75	0.73	0.08	120.0
P-1052	262	8.0	101.38	0.65	0.08	120.0
P-1053	68	8.0	101.38	0.65	0.02	120.0
P-1054	155	8.0	101.38	0.65	0.05	120.0
P-1051	228	8.0	101.39	0.65	0.07	120.0

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Action (2027) PHD Condition Distribution System Pipe Report
Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1055	208	8.0	101.38	0.65	0.06	120.0
P-1375	437	12.0	139.35	0.40	0.03	120.0
P-37	146	6.0	97.62	1.11	0.17	120.0
P-341	104	12.0	119.77	0.34	0.01	120.0
P-1140	284	8.0	69.45	0.44	0.04	120.0
P-43	266	8.0	83.83	0.54	0.06	120.0
P-44	256	8.0	83.83	0.54	0.06	120.0
P-45	312	8.0	83.82	0.54	0.07	120.0
P-46	321	8.0	83.82	0.54	0.07	120.0
P-342	280	12.0	100.42	0.28	0.01	120.0
P-348	154	12.0	98.14	0.28	0.01	120.0
P-1088	284	8.0	61.03	0.39	0.03	120.0
P-1089	139	8.0	61.03	0.39	0.02	120.0
P-626	57	8.0	67.62	0.43	0.01	120.0
P-627	123	8.0	67.62	0.43	0.02	120.0
P-624	71	8.0	67.62	0.43	0.01	120.0
P-625	73	8.0	67.62	0.43	0.01	120.0
P-622	100	8.0	67.62	0.43	0.01	120.0
P-621	107	8.0	67.62	0.43	0.02	120.0
P-620	59	8.0	67.62	0.43	0.01	120.0
P-48	129	8.0	76.92	0.49	0.02	120.0
P-47	93	8.0	76.92	0.49	0.02	120.0
P-537	258	12.0	109.99	0.31	0.01	120.0
P-016	343	12.0	84.62	0.24	0.01	120.0
P-017	335	12.0	84.62	0.24	0.01	120.0
P-018	11	12.0	84.62	0.24	0.00	120.0
P-343	153	12.0	90.64	0.26	0.01	120.0
P-1241	332	8.0	59.38	0.38	0.04	120.0
P-1242	424	8.0	59.38	0.38	0.05	120.0
P-36	329	6.0	53.70	0.61	0.13	120.0
P-303	1,148	12.0	34.08	0.10	0.01	120.0
P-845	619	8.0	37.56	0.24	0.02	150.0
P-1001	140	8.0	37.02	0.24	0.01	120.0
P-1004	156	8.0	37.02	0.24	0.01	120.0
P-1005	608	8.0	37.01	0.24	0.03	120.0
P-1006	405	8.0	37.01	0.24	0.02	120.0
P-1007	639	8.0	37.01	0.24	0.03	120.0
P-1008	371	8.0	37.01	0.24	0.02	120.0
P-1204	121	8.0	37.93	0.24	0.01	120.0
P-1205	354	8.0	37.93	0.24	0.02	120.0
P-25	78	8.0	24.82	0.16	0.00	120.0
P-24	42	8.0	24.82	0.16	0.00	120.0
P-19	54	8.0	24.82	0.16	0.00	120.0
P-20	108	8.0	24.82	0.16	0.00	120.0
P-21	108	8.0	24.82	0.16	0.00	120.0
P-22	54	8.0	24.82	0.16	0.00	120.0

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Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1031	211	8.0	18.76	0.12	0.00	120.0
P-335(1)	173	8.0	18.74	0.12	0.00	120.0
P-340	123	8.0	33.51	0.21	0.00	120.0
P-339	130	8.0	33.51	0.21	0.01	120.0
P-1223	101	8.0	25.30	0.16	0.00	120.0
P-1224	59	8.0	25.30	0.16	0.00	120.0
P-1226	297	8.0	25.29	0.16	0.01	120.0
P-23	226	8.0	14.72	0.09	0.00	120.0
P-604	129	8.0	14.99	0.10	0.00	120.0
P-603	94	8.0	14.99	0.10	0.00	120.0
P-607	18	8.0	14.99	0.10	0.00	120.0
P-606	161	8.0	14.99	0.10	0.00	120.0
P-605	117	8.0	14.99	0.10	0.00	120.0
P-861	238	8.0	12.43	0.08	0.00	150.0
P-1165	333	8.0	15.81	0.10	0.00	120.0
P-1166	266	8.0	15.81	0.10	0.00	120.0
P-1169	134	8.0	15.80	0.10	0.00	120.0
P-1170	153	8.0	15.80	0.10	0.00	120.0
P-1173	50	8.0	15.79	0.10	0.00	120.0
P-1174	236	8.0	15.79	0.10	0.00	120.0
P-1148	186	8.0	15.73	0.10	0.00	120.0
P-1150	282	8.0	15.73	0.10	0.00	120.0
P-1151	417	8.0	15.73	0.10	0.00	120.0
P-1147	141	8.0	15.73	0.10	0.00	120.0
P-1153	418	8.0	15.72	0.10	0.00	120.0
P-1152	417	8.0	15.73	0.10	0.00	120.0
P-1154	230	8.0	15.72	0.10	0.00	120.0
P-16	42	8.0	9.82	0.06	0.00	120.0
P-17	264	8.0	9.82	0.06	0.00	120.0
P-18	299	8.0	9.83	0.06	0.00	120.0
P-15	311	8.0	9.82	0.06	0.00	120.0
P-13	287	8.0	9.82	0.06	0.00	120.0
P-14	52	8.0	9.82	0.06	0.00	120.0
P-12	54	8.0	9.81	0.06	0.00	120.0
P-11	129	8.0	9.81	0.06	0.00	120.0
P-10	182	8.0	9.81	0.06	0.00	120.0
P-9	125	8.0	9.80	0.06	0.00	120.0
P-1014	120	8.0	11.20	0.07	0.00	120.0
P-634	110	8.0	10.10	0.06	0.00	120.0
P-637	120	8.0	10.10	0.06	0.00	120.0
P-636	106	8.0	10.10	0.06	0.00	120.0
P-639	118	8.0	10.10	0.06	0.00	120.0
P-1197	200	8.0	14.11	0.09	0.00	120.0
P-1198	197	8.0	14.11	0.09	0.00	120.0
P-304	196	12.0	9.73	0.03	0.00	120.0
P-335(2)	177	8.0	9.68	0.06	0.00	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1036	100	8.0	9.39	0.06	0.00	120.0
P-1037	42	8.0	9.39	0.06	0.00	120.0
P-1040	276	8.0	9.39	0.06	0.00	120.0
P-1024	188	8.0	9.38	0.06	0.00	120.0
P-1032	133	8.0	9.38	0.06	0.00	120.0
P-1015	220	8.0	7.64	0.05	0.00	120.0
P-305	259	8.0	7.66	0.05	0.00	120.0
P-277	514	8.0	4.96	0.03	0.00	120.0
P-1025	227	8.0	4.73	0.03	0.00	120.0
P-1026	442	8.0	4.73	0.03	0.00	120.0
P-1027	400	8.0	4.73	0.03	0.00	120.0
P-608	151	8.0	4.28	0.03	0.00	120.0
P-1176	283	8.0	7.68	0.05	0.00	120.0
P-1177	321	8.0	7.68	0.05	0.00	120.0
P-1135	254	8.0	4.01	0.03	0.00	120.0
P-1193	298	8.0	5.13	0.03	0.00	120.0
P-1194	209	8.0	5.13	0.03	0.00	120.0
P-307	301	8.0	3.53	0.02	0.00	120.0
P-862	964	8.0	3.50	0.02	0.00	150.0
P-1156	165	8.0	7.02	0.04	0.00	120.0
P-1157	140	8.0	7.02	0.04	0.00	120.0
P-1159	300	8.0	7.02	0.04	0.00	120.0
P-1160	423	8.0	7.02	0.04	0.00	120.0
P-1161	204	8.0	7.02	0.04	0.00	120.0
P-308	709	8.0	2.22	0.01	0.00	120.0
P-1033	218	8.0	0.68	0.00	0.00	120.0
P-1034	504	8.0	0.68	0.00	0.00	120.0
P-1035	325	8.0	0.68	0.00	0.00	120.0
P-1188	272	8.0	1.40	0.01	0.00	120.0
P-1190	232	8.0	1.40	0.01	0.00	120.0
P-1191	364	8.0	1.40	0.01	0.00	120.0
P-660	242	8.0	0.01	0.00	0.00	120.0
P-417	63	8.0	0.01	0.00	0.00	120.0
P-415	179	8.0	0.01	0.00	0.00	120.0
P-617	133	8.0	0.01	0.00	0.00	120.0
P-414	84	6.0	0.01	0.00	0.00	120.0
P-1043	120	8.0	0.01	0.00	0.00	120.0
P-616	115	8.0	0.01	0.00	0.00	120.0
P-418	164	8.0	0.01	0.00	0.00	120.0
P-615	161	8.0	0.01	0.00	0.00	120.0
P-655	194	8.0	0.00	0.00	0.00	120.0
P-1137	28	8.0	0.00	0.00	0.00	120.0
P-428	71	8.0	0.01	0.00	0.00	120.0
P-1041	137	8.0	0.00	0.00	0.00	120.0
P-1038	197	8.0	0.00	0.00	0.00	120.0
P-1044	235	8.0	0.01	0.00	0.00	120.0

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Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-420	75	8.0	0.00	0.00	0.00	120.0
P-1118	139	8.0	0.00	0.00	0.00	120.0
P-1171	211	8.0	0.01	0.00	0.00	120.0
P-1114	220	8.0	0.00	0.00	0.00	120.0
P-1077	282	8.0	0.00	0.00	0.00	120.0
P-1081	263	8.0	0.00	0.00	0.00	120.0
P-1110	158	8.0	0.00	0.00	0.00	120.0
P-618	124	8.0	0.01	0.00	0.00	120.0
P-1167	328	8.0	0.00	0.00	0.00	120.0
P-1138	283	8.0	0.00	0.00	0.00	120.0
P-429	57	8.0	0.01	0.00	0.00	120.0
P-1252	41	8.0	0.00	0.00	0.00	120.0
P-1294	35	6.0	0.00	0.00	0.00	120.0
P-1002	220	8.0	0.00	0.00	0.00	120.0
P-1256	13	6.0	0.00	0.00	0.00	120.0
P-1020	131	8.0	0.01	0.00	0.00	120.0
P-1353	36	6.0	0.00	0.00	0.00	120.0
P-1357	31	6.0	0.00	0.00	0.00	120.0
P-1047	95	8.0	0.00	0.00	0.00	120.0
P-1259	62	8.0	0.00	0.00	0.00	120.0
PH-403	12	6.0	0.00	0.00	0.00	120.0
PH-409	17	6.0	0.00	0.00	0.00	120.0
P-1217	302	8.0	0.00	0.00	0.00	120.0
P-1225	274	8.0	0.00	0.00	0.00	120.0
P-672	178	8.0	0.00	0.00	0.00	120.0
P-1238	145	8.0	0.00	0.00	0.00	120.0
P-758	139	8.0	0.01	0.00	0.00	120.0
P-1122	199	8.0	0.01	0.00	0.00	120.0
P-1253	10	8.0	0.00	0.00	0.00	120.0
P-1231	199	8.0	0.00	0.00	0.00	120.0
P-1189	35	8.0	0.00	0.00	0.00	120.0
P-1230	94	8.0	0.00	0.00	0.00	120.0
P-1312	12	8.0	0.00	0.00	0.00	120.0
P-1265	9	6.0	0.00	0.00	0.00	120.0
P-1361	12	6.0	0.00	0.00	0.00	120.0
P-1325	11	6.0	0.00	0.00	0.00	120.0
P-1263	9	6.0	0.00	0.00	0.00	120.0
P-1247	8	6.0	0.00	0.00	0.00	120.0
P-1266	8	6.0	0.00	0.00	0.00	120.0
P-1268.1	8	6.0	0.00	0.00	0.00	120.0
P-1145	49	8.0	0.00	0.00	0.00	120.0
P-1362	13	6.0	0.00	0.00	0.00	120.0
P-1287	13	6.0	0.00	0.00	0.00	120.0
PH-708	13	6.0	0.00	0.00	0.00	120.0
PH-713	13	6.0	0.00	0.00	0.00	120.0
P-1168	15	8.0	0.00	0.00	0.00	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1269	9	6.0	0.00	0.00	0.00	120.0
P-1306	12	6.0	0.00	0.00	0.00	120.0
P-1320	12	6.0	0.00	0.00	0.00	120.0
P-1078	119	8.0	0.00	0.00	0.00	120.0
P-1070	92	8.0	0.00	0.00	0.00	120.0
PH-602	19	6.0	0.00	0.00	0.00	120.0
P-1280	13	6.0	0.00	0.00	0.00	120.0
P-1249	14	6.0	0.00	0.00	0.00	120.0
P-1042	70	8.0	0.00	0.00	0.00	120.0
P-1045	77	8.0	0.00	0.00	0.00	120.0
P-1058	139	8.0	0.00	0.00	0.00	120.0
P-1021	64	8.0	0.00	0.00	0.00	120.0
P-1270	8	6.0	0.00	0.00	0.00	120.0
P-1119	137	8.0	0.00	0.00	0.00	120.0
P-1172	197	8.0	0.00	0.00	0.00	120.0
P-1039	63	8.0	0.00	0.00	0.00	120.0
PH-612	19	6.0	0.00	0.00	0.00	120.0
P-1003	92	8.0	0.00	0.00	0.00	120.0
PH-607	19	6.0	0.00	0.00	0.00	120.0
P-1330	20	6.0	0.00	0.00	0.00	120.0
P-1267	12	6.0	0.00	0.00	0.00	120.0
P-1301	12	6.0	0.00	0.00	0.00	120.0
P-1331	12	6.0	0.00	0.00	0.00	120.0
P-1175	97	8.0	0.00	0.00	0.00	120.0
PH-603	34	6.0	0.00	0.00	0.00	120.0
PH-608	18	6.0	0.00	0.00	0.00	120.0
PH-408	17	6.0	0.00	0.00	0.00	120.0
P-1276	13	6.0	0.00	0.00	0.00	120.0
P-1158	132	8.0	0.00	0.00	0.00	120.0
P-1082	174	8.0	0.00	0.00	0.00	120.0
P-405	174	8.0	0.00	0.00	0.00	120.0
P-1254	59	6.0	0.00	0.00	0.00	120.0
P-419	146	8.0	0.00	0.00	0.00	120.0
P-1048	149	8.0	0.00	0.00	0.00	120.0
P-661	84	8.0	0.00	0.00	0.00	120.0
P-431	210	8.0	0.00	0.00	0.00	120.0
P-1136	155	8.0	0.00	0.00	0.00	120.0
P-1334	12	6.0	0.00	0.00	0.00	120.0
P-1291	21	6.0	0.00	0.00	0.00	120.0
PH-610	18	6.0	0.00	0.00	0.00	120.0
P-364	18	6.0	0.00	0.00	0.00	120.0
P-1365	15	6.0	0.00	0.00	0.00	120.0
P-1352	15	6.0	0.00	0.00	0.00	120.0
P-416	167	6.0	0.00	0.00	0.00	120.0
P-1244	13	6.0	0.00	0.00	0.00	120.0
PH-405	30	6.0	0.00	0.00	0.00	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1338	38	6.0	0.00	0.00	0.00	120.0
P-1345	35	6.0	0.00	0.00	0.00	120.0
P-1347	22	6.0	0.00	0.00	0.00	120.0
P-678	168	8.0	0.00	0.00	0.00	120.0
P-1300	22	6.0	0.00	0.00	0.00	120.0
P-1260	80	8.0	0.00	0.00	0.00	120.0
P-1356	25	6.0	0.00	0.00	0.00	120.0
P-1368	38	6.0	0.00	0.00	0.00	120.0
P-1351	30	6.0	0.00	0.00	0.00	120.0
P-1316	12	6.0	0.00	0.00	0.00	120.0
P-1311	32	6.0	0.00	0.00	0.00	120.0
P-759	115	8.0	0.00	0.00	0.00	120.0
P-1295	17	6.0	0.00	0.00	0.00	120.0
P-1318	16	6.0	0.00	0.00	0.00	120.0
PH-705	37	6.0	0.00	0.00	0.00	120.0
P-1139	66	8.0	0.00	0.00	0.00	120.0
P-1274	15	6.0	0.00	0.00	0.00	120.0
PH-707	15	6.0	0.00	0.00	0.00	120.0
PH-404	29	6.0	0.00	0.00	0.00	120.0
PH-605	19	6.0	0.00	0.00	0.00	120.0
P-1282	13	6.0	0.00	0.00	0.00	120.0
P-363	30	6.0	0.00	0.00	0.00	120.0
P-1281	13	6.0	0.00	0.00	0.00	120.0
P-1315	12	6.0	0.00	0.00	0.00	120.0
P-656	57	8.0	0.00	0.00	0.00	120.0
PH-619	34	6.0	0.00	0.00	0.00	120.0
P-1296	36	6.0	0.00	0.00	0.00	120.0
P-1264	17	6.0	0.00	0.00	0.00	120.0
P-1358	18	6.0	0.00	0.00	0.00	120.0
P-1115	141	8.0	0.00	0.00	0.00	120.0
P-1288	13	6.0	0.00	0.00	0.00	120.0
P-1304	11	6.0	0.00	0.00	0.00	120.0
P-1314	12	8.0	0.00	0.00	0.00	120.0
PH-402	31	6.0	0.00	0.00	0.00	120.0
P-1261	21	6.0	0.00	0.00	0.00	120.0
P-1236	391	8.0	0.00	0.00	0.00	120.0
P-1099	61	8.0	0.00	0.00	0.00	120.0
P-1132	48	8.0	0.00	0.00	0.00	120.0
P-1364	22	6.0	0.00	0.00	0.00	120.0
P-1290	15	6.0	0.00	0.00	0.00	120.0
P-1328	22	6.0	0.00	0.00	0.00	120.0
P-1346	14	6.0	0.00	0.00	0.00	120.0
PH-614	19	6.0	0.00	0.00	0.00	120.0
P-1327	12	6.0	0.00	0.00	0.00	120.0
P-1267.1	13	6.0	0.00	0.00	0.00	120.0
P-1336	11	6.0	0.00	0.00	0.00	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-382	102	8.0	0.00	0.00	0.00	120.0
P-1255	13	6.0	0.00	0.00	0.00	120.0
P-1366	13	6.0	0.00	0.00	0.00	120.0
PH-711	14	6.0	0.00	0.00	0.00	120.0
P-1245	9	6.0	0.00	0.00	0.00	120.0
P-1337	10	6.0	0.00	0.00	0.00	120.0
P-1246	9	6.0	0.00	0.00	0.00	120.0
P-1106	143	8.0	0.00	0.00	0.00	120.0
P-667	163	8.0	0.01	0.00	0.00	120.0
P-666	69	8.0	0.01	0.00	0.00	120.0
P-1201	63	8.0	0.00	0.00	0.00	120.0
P-1326	11	6.0	0.00	0.00	0.00	120.0
P-1248	9	6.0	0.00	0.00	0.00	120.0
P-378	12	8.0	0.00	0.00	0.00	120.0
P-1257	9	6.0	0.00	0.00	0.00	120.0
P-1284	13	6.0	0.00	0.00	0.00	120.0
P-1271	12	6.0	0.00	0.00	0.00	120.0
P-1298	12	6.0	0.00	0.00	0.00	120.0
P-1344	12	6.0	0.00	0.00	0.00	120.0
P-370	12	6.0	0.00	0.00	0.00	120.0
P-1124	60	8.0	0.00	0.00	0.00	120.0
P-1262	12	6.0	0.00	0.00	0.00	120.0
P-1332	12	6.0	0.00	0.00	0.00	120.0
P-1305	11	6.0	0.00	0.00	0.00	120.0
P-1073	123	8.0	0.00	0.00	0.00	120.0
P-1273	14	6.0	0.00	0.00	0.00	120.0
P-1123	62	8.0	0.01	0.00	0.00	120.0
P-1278	13	6.0	0.00	0.00	0.00	120.0
P-368	15	8.0	0.01	0.00	0.00	120.0
P-1210	70	8.0	0.00	0.00	0.00	120.0
P-1359	13	6.0	0.00	0.00	0.00	120.0
P-1335	10	6.0	0.00	0.00	0.00	120.0
P-1317	15	6.0	0.00	0.00	0.00	120.0
P-384	22	8.0	0.00	0.00	0.00	120.0
P-385	7	8.0	0.00	0.00	0.00	120.0
P-1350	15	6.0	0.00	0.00	0.00	120.0
P-1299	12	6.0	0.00	0.00	0.00	120.0
P-1309	12	6.0	0.00	0.00	0.00	120.0
P-1360	11	6.0	0.00	0.00	0.00	120.0
P-1341	13	6.0	0.00	0.00	0.00	120.0
P-1149	131	8.0	0.00	0.00	0.00	120.0
P-1063	58	8.0	0.00	0.00	0.00	120.0
P-886	41	6.0	0.00	0.00	0.00	120.0
P-1107	145	8.0	0.00	0.00	0.00	120.0
P-1340	37	6.0	0.00	0.00	0.00	120.0
P-1272	22	6.0	0.00	0.00	0.00	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
PH-714	17	6.0	0.00	0.00	0.00	120.0
P-1319	11	6.0	0.00	0.00	0.00	120.0
P-1343	11	6.0	0.00	0.00	0.00	120.0
PH-406	32	6.0	0.00	0.00	0.00	120.0
P-651	76	8.0	0.00	0.00	0.00	120.0
P-1125	210	8.0	0.00	0.00	0.00	120.0
P-371	93	8.0	0.00	0.00	0.00	120.0
P-1307	12	6.0	0.00	0.00	0.00	120.0
PH-611	19	6.0	0.00	0.00	0.00	120.0
P-369	101	8.0	0.00	0.00	0.00	120.0
P-1251	20	6.0	0.00	0.00	0.00	120.0
P-1308	22	6.0	0.00	0.00	0.00	120.0
P-346	30	6.0	0.00	0.00	0.00	120.0
P-1333	12	6.0	0.00	0.00	0.00	120.0
P-1178	80	8.0	0.00	0.00	0.00	120.0
P-1297	13	6.0	0.00	0.00	0.00	120.0
P-1062	134	8.0	0.00	0.00	0.00	120.0
PH-616	34	6.0	0.00	0.00	0.00	120.0
P-1111	151	8.0	0.00	0.00	0.00	120.0
P-1323	22	6.0	0.00	0.00	0.00	120.0
P-619	154	8.0	0.00	0.00	0.00	120.0
P-1067	62	8.0	0.00	0.00	0.00	120.0
P-761	104	8.0	0.00	0.00	0.00	120.0
P-1321	12	6.0	0.00	0.00	0.00	120.0
P-1286	22	6.0	0.00	0.00	0.00	120.0
PH-704	12	6.0	0.00	0.00	0.00	120.0
P-1342	14	6.0	0.00	0.00	0.00	120.0
PH-410	15	6.0	0.00	0.00	0.00	120.0
PH-710	15	6.0	0.00	0.00	0.00	120.0
P-367	11	6.0	0.00	0.00	0.00	120.0
P-762	110	8.0	0.00	0.00	0.00	120.0
P-1285	13	6.0	0.00	0.00	0.00	120.0
P-1155	148	8.0	0.00	0.00	0.00	120.0
PH-621	18	6.0	0.00	0.00	0.00	120.0
P-377	86	8.0	0.00	0.00	0.00	120.0
P-407	201	8.0	0.00	0.00	0.00	120.0
PH-620	19	6.0	0.00	0.00	0.00	120.0
PH-618	19	6.0	0.00	0.00	0.00	120.0
PH-613	19	6.0	0.00	0.00	0.00	120.0
P-379	12	6.0	0.00	0.00	0.00	120.0
P-1322	15	6.0	0.00	0.00	0.00	120.0
P-366	77	8.0	0.00	0.00	0.00	120.0
P-1292	15	6.0	0.00	0.00	0.00	120.0
PH-407	12	6.0	0.00	0.00	0.00	120.0
P-374	98	8.0	0.00	0.00	0.00	120.0
PH-701	15	6.0	0.00	0.00	0.00	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
PGC-2	4,652	8.0	0.00	0.00	0.00	120.0
P-1209	360	8.0	0.00	0.00	0.00	120.0
P-1367	11	6.0	0.00	0.00	0.00	120.0
P-1348	21	6.0	0.00	0.00	0.00	120.0
PH-401	39	6.0	0.00	0.00	0.00	120.0
P-1302	12	6.0	0.00	0.00	0.00	120.0
P-347	14	6.0	0.00	0.00	0.00	120.0
P-373	12	6.0	0.00	0.00	0.00	120.0
PH-709	14	6.0	0.00	0.00	0.00	120.0
P-638	74	8.0	0.00	0.00	0.00	120.0
P-421	254	8.0	0.00	0.00	0.00	120.0
PH-615	36	6.0	0.00	0.00	0.00	120.0
P-1279	13	6.0	0.00	0.00	0.00	120.0
P-1355	32	6.0	0.00	0.00	0.00	120.0
P-1066	200	8.0	0.00	0.00	0.00	120.0
P-1339	15	6.0	0.00	0.00	0.00	120.0
PH-702	16	6.0	0.00	0.00	0.00	120.0
PGC-1	359	8.0	0.00	0.00	0.00	120.0
P-1275	13	6.0	0.00	0.00	0.00	120.0
P-623	110	8.0	0.00	0.00	0.00	120.0
P-376	13	6.0	0.00	0.00	0.00	120.0
P-673	77	8.0	0.00	0.00	0.00	120.0
P-383	22	8.0	0.00	0.00	0.00	120.0
P-1354	20	6.0	0.00	0.00	0.00	120.0
P-1363	37	6.0	0.00	0.00	0.00	120.0
P-668	59	8.0	0.00	0.00	0.00	120.0
P-644	161	8.0	0.00	0.00	0.00	120.0
P-1218	218	8.0	0.00	0.00	0.00	120.0
P-1268	13	6.0	0.00	0.00	0.00	120.0
PH-617	26	6.0	0.00	0.00	0.00	120.0
P-1349	26	6.0	0.00	0.00	0.00	120.0
P-1250	12	6.0	0.00	0.00	0.00	120.0
PH-606	19	6.0	0.00	0.00	0.00	120.0
PH-712	14	6.0	0.00	0.00	0.00	120.0
P-1369	22	6.0	0.00	0.00	0.00	120.0
P-1371	22	6.0	0.00	0.00	0.00	120.0
PH-609	19	6.0	0.00	0.00	0.00	120.0
P-1370	17	6.0	0.00	0.00	0.00	120.0
P-1085	58	8.0	0.00	0.00	0.00	120.0
P-1303	11	6.0	0.00	0.00	0.00	120.0
P-1074	137	8.0	0.00	0.00	0.00	120.0
P-1258	13	6.0	0.00	0.00	0.00	120.0
P-1324	13	6.0	0.00	0.00	0.00	120.0
P-365	13	8.0	0.00	0.00	0.00	120.0
PH-706	15	6.0	0.00	0.00	0.00	120.0
PH-703	13	6.0	0.00	0.00	0.00	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1289	13	6.0	0.00	0.00	0.00	120.0
P-1283	13	6.0	0.00	0.00	0.00	120.0
P-760	15	8.0	0.01	0.00	0.00	120.0
P-386	29	8.0	0.00	0.00	0.00	120.0
P-285	1,179	18.0	0.00	0.00	0.00	130.0
P-1313	12	8.0	0.00	0.00	0.00	120.0
P-284	844	18.0	0.00	0.00	0.00	130.0
P-650	160	8.0	0.00	0.00	0.00	120.0
P-402	177	8.0	0.00	0.00	0.00	120.0
P-1084	308	8.0	0.00	0.00	0.00	120.0
P-1310	13	8.0	0.00	0.00	0.00	120.0
P-413	271	8.0	0.00	0.00	0.00	120.0
P-880	68	6.0	0.00	0.00	0.00	120.0
P-430	239	8.0	0.00	0.00	0.00	120.0
P-635	129	8.0	0.00	0.00	0.00	120.0
P-1091	209	8.0	0.00	0.00	0.00	120.0
P-375	16	8.0	0.00	0.00	0.00	120.0
P-372	10	8.0	0.01	0.00	0.00	120.0
P-412	81	8.0	0.01	0.00	0.00	120.0
P-863	472	8.0	0.64	0.00	0.00	150.0
P-1016	643	8.0	3.56	0.02	0.00	120.0
P-1017	339	8.0	3.56	0.02	0.00	120.0
P-1187	100	8.0	6.53	0.04	0.00	120.0
P-1186	225	8.0	6.53	0.04	0.00	120.0
P-1179	154	8.0	0.43	0.00	0.00	120.0
P-1180	380	8.0	0.43	0.00	0.00	120.0
P-1181	381	8.0	0.43	0.00	0.00	120.0
P-1182	183	8.0	0.43	0.00	0.00	120.0
P-856	445	8.0	9.88	0.06	0.00	150.0
P-1029	382	8.0	4.64	0.03	0.00	120.0
P-1028	495	8.0	4.64	0.03	0.00	120.0
P-1030	230	8.0	4.65	0.03	0.00	120.0
P-864	528	8.0	4.79	0.03	0.00	150.0
P-1192	184	8.0	8.26	0.05	0.00	120.0
P-410	198	8.0	6.90	0.04	0.00	120.0
P-409	51	8.0	6.90	0.04	0.00	120.0
P-1(2)	168	8.0	14.12	0.09	0.00	120.0
P-1195	87	8.0	13.39	0.09	0.00	120.0
P-1196	180	8.0	13.39	0.09	0.00	120.0
P-857	980	8.0	17.50	0.11	0.01	150.0
P-1184	67	8.0	20.64	0.13	0.00	120.0
P-1185	137	8.0	20.64	0.13	0.00	120.0
P-851	146	6.0	23.90	0.27	0.01	150.0
P-727	136	8.0	29.14	0.19	0.00	120.0
P-728	112	8.0	29.14	0.19	0.00	120.0
P-729	128	8.0	29.14	0.19	0.00	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-730	92	8.0	29.14	0.19	0.00	120.0
P-734	81	8.0	29.14	0.19	0.00	120.0
P-735	100	8.0	29.14	0.19	0.00	120.0
P-731	203	8.0	29.14	0.19	0.01	120.0
P-732	199	8.0	29.14	0.19	0.01	120.0
P-733	83	8.0	29.14	0.19	0.00	120.0
P-1228	44	8.0	26.38	0.17	0.00	120.0
P-1229	393	8.0	26.38	0.17	0.01	120.0
P-1214	213	8.0	15.53	0.10	0.00	120.0
P-1215	55	8.0	15.53	0.10	0.00	120.0
P-712	202	8.0	33.51	0.21	0.01	120.0
P-713	157	8.0	33.51	0.21	0.01	120.0
P-714	134	8.0	33.51	0.21	0.01	120.0
P-715	113	8.0	33.51	0.21	0.00	120.0
P-351	142	8.0	31.42	0.20	0.01	120.0
P-747	128	8.0	31.42	0.20	0.00	120.0
P-748	20	8.0	31.42	0.20	0.00	120.0
P-749	141	8.0	31.42	0.20	0.00	120.0
P-750	208	8.0	31.42	0.20	0.01	120.0
P-751	123	8.0	31.42	0.20	0.00	120.0
P-752	94	8.0	31.42	0.20	0.00	120.0
P-753	65	8.0	31.42	0.20	0.00	120.0
P-352	68	8.0	31.42	0.20	0.00	120.0
P-353	71	8.0	31.42	0.20	0.00	120.0
P-754	83	8.0	31.42	0.20	0.00	120.0
P-757	90	8.0	31.42	0.20	0.00	120.0
P-1141	216	8.0	32.81	0.21	0.01	120.0
P-858	383	8.0	25.11	0.16	0.01	150.0
P-1199	215	8.0	27.51	0.18	0.01	120.0
P-1200	294	8.0	27.51	0.18	0.01	120.0
P-1202	90	8.0	27.51	0.18	0.00	120.0
P-1203	27	8.0	27.51	0.18	0.00	120.0
P-852	567	6.0	30.29	0.34	0.05	150.0
P-1162	176	8.0	37.40	0.24	0.01	120.0
P-1232	102	8.0	33.38	0.21	0.00	120.0
P-1233	374	8.0	33.38	0.21	0.01	120.0
P-1234	467	8.0	33.38	0.21	0.02	120.0
P-1216	156	8.0	22.19	0.14	0.00	120.0
P-1142	247	8.0	34.49	0.22	0.01	120.0
P-1143	306	8.0	34.49	0.22	0.01	120.0
P-1208	14	8.0	34.15	0.22	0.00	120.0
P-1163	146	8.0	37.83	0.24	0.01	120.0
P-1164	118	8.0	37.83	0.24	0.01	120.0
P-859	1,024	8.0	32.73	0.21	0.03	150.0
P-853	830	6.0	36.68	0.42	0.10	150.0
P-1219	393	8.0	37.57	0.24	0.02	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1220	353	8.0	37.57	0.24	0.02	120.0
P-1221	214	8.0	37.58	0.24	0.01	120.0
P-1235	122	8.0	40.37	0.26	0.01	120.0
P-1237	284	8.0	40.37	0.26	0.02	120.0
P-1239	240	8.0	40.37	0.26	0.01	120.0
P-1240	37	8.0	40.37	0.26	0.00	120.0
P-1211	36	8.0	40.82	0.26	0.00	120.0
P-1212	436	8.0	40.82	0.26	0.02	120.0
P-1213	153	8.0	40.82	0.26	0.01	120.0
P-881	406	8.0	40.63	0.26	0.02	120.0
P-882	400	8.0	40.63	0.26	0.02	120.0
P-869	388	8.0	43.19	0.28	0.02	150.0
P-854	563	6.0	43.07	0.49	0.09	150.0
P-855	151	6.0	43.07	0.49	0.03	150.0
P-1144	80	8.0	50.22	0.32	0.01	120.0
P-1183.1	200	8.0	51.71	0.33	0.02	120.0
P-838	157	8.0	54.73	0.35	0.01	150.0
P-847	130	8.0	52.98	0.34	0.01	150.0
P-1069	275	8.0	46.21	0.29	0.02	120.0
P-1071	56	8.0	46.22	0.29	0.00	120.0
P-1072	278	8.0	46.22	0.30	0.02	120.0
P-1076	147	8.0	46.22	0.30	0.01	120.0
P-1075	144	8.0	46.22	0.30	0.01	120.0
P-1079	199	8.0	46.22	0.30	0.01	120.0
P-1080	94	8.0	46.22	0.30	0.01	120.0
P-870	622	8.0	48.46	0.31	0.03	150.0
P-883	348	8.0	47.03	0.30	0.03	120.0
P-1146	217	8.0	58.92	0.38	0.02	120.0
P-848	717	8.0	58.39	0.37	0.05	150.0
P-871	866	8.0	53.72	0.34	0.05	150.0
P-338	135	12.0	86.26	0.24	0.00	120.0
P-702	160	12.0	86.26	0.24	0.00	120.0
P-704	90	12.0	86.26	0.24	0.00	120.0
P-709	119	12.0	86.27	0.24	0.00	120.0
P-710	92	12.0	86.27	0.24	0.00	120.0
P-705	41	12.0	86.27	0.24	0.00	120.0
P-706	204	12.0	86.27	0.24	0.01	120.0
P-707	119	12.0	86.27	0.24	0.00	120.0
P-708	114	12.0	86.27	0.24	0.00	120.0
P-884	503	8.0	53.42	0.34	0.05	120.0
P-723	233	12.0	90.64	0.26	0.01	120.0
P-722	122	12.0	90.64	0.26	0.00	120.0
P-839	1,534	8.0	65.49	0.42	0.14	150.0
P-1183	206	8.0	61.76	0.39	0.03	120.0
P-849	788	8.0	63.81	0.41	0.07	150.0
P-872	229	8.0	58.98	0.38	0.02	150.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1222	153	8.0	69.54	0.44	0.02	120.0
P-885	616	8.0	59.82	0.38	0.07	120.0
P-701	725	12.0	109.99	0.31	0.04	120.0
P-614	72	8.0	67.61	0.43	0.01	120.0
P-613	188	8.0	67.61	0.43	0.03	120.0
P-612	118	8.0	67.61	0.43	0.02	120.0
P-1131	255	8.0	61.44	0.39	0.03	120.0
P-1083	285	8.0	61.03	0.39	0.03	120.0
P-850	373	8.0	69.23	0.44	0.04	150.0
P-738	77	12.0	98.14	0.28	0.00	120.0
P-350	109	12.0	98.14	0.28	0.00	120.0
P-739	185	12.0	98.14	0.28	0.01	120.0
P-740	207	12.0	98.14	0.28	0.01	120.0
P-349	184	12.0	98.14	0.28	0.01	120.0
P-1207	202	8.0	71.72	0.46	0.03	120.0
P-1206	201	8.0	72.29	0.46	0.03	120.0
P-725	43	12.0	100.42	0.28	0.00	120.0
P-726	83	12.0	100.42	0.28	0.00	120.0
P-1133	266	8.0	65.44	0.42	0.04	120.0
P-1134	141	8.0	65.44	0.42	0.02	120.0
P-840	1,335	8.0	76.26	0.49	0.16	150.0
P-1227	191	8.0	85.76	0.55	0.04	120.0
P-717	125	12.0	119.77	0.34	0.01	120.0
P-718	35	12.0	119.77	0.34	0.00	120.0
P-720	6	12.0	119.78	0.34	0.00	120.0
P-842	1,313	8.0	85.58	0.55	0.19	150.0
P-745	47	12.0	107.93	0.31	0.00	120.0
P-344	89	12.0	107.93	0.31	0.00	120.0
P-41	182	8.0	90.73	0.58	0.05	120.0
P-42	65	8.0	90.72	0.58	0.02	120.0
P-40	58	8.0	90.73	0.58	0.01	120.0
P-39	208	8.0	90.73	0.58	0.05	120.0
P-841	713	8.0	87.02	0.56	0.11	150.0
P-865	169	8.0	87.67	0.56	0.03	150.0
P-843	870	8.0	94.30	0.60	0.15	150.0
P-873	258	8.0	87.40	0.56	0.04	150.0
P-736	131	12.0	129.56	0.37	0.01	120.0
P-737	112	12.0	129.56	0.37	0.01	120.0
P-38	55	8.0	97.62	0.62	0.02	120.0
P-866	687	8.0	92.10	0.59	0.12	150.0
P-874	1,291	8.0	92.36	0.59	0.22	150.0
P-1243	319	8.0	106.74	0.68	0.11	120.0
P-867	584	8.0	96.54	0.62	0.11	150.0
P-844	561	8.0	103.03	0.66	0.12	150.0
P-611.1	33	8.0	102.99	0.66	0.01	120.0
P-30	158	8.0	102.99	0.66	0.05	120.0

GBWC-PD 2024 IRP - Mountain Falls System
Action (2027) PHD Condition Distribution System Pipe Report
Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-28	100	8.0	102.99	0.66	0.03	120.0
P-29	153	8.0	102.99	0.66	0.05	120.0
P-875	283	8.0	97.33	0.62	0.05	150.0
P-345	201	12.0	139.35	0.40	0.02	120.0
P-868	151	8.0	100.97	0.64	0.03	150.0
P-26(2)	261	6.0	112.61	1.28	0.39	120.0
P-1056	215	8.0	113.60	0.73	0.08	120.0
P-1057	32	8.0	113.60	0.73	0.01	120.0
P-1059	499	8.0	113.60	0.73	0.19	120.0
P-1086	170	8.0	115.50	0.74	0.07	120.0
P-1087	266	8.0	115.50	0.74	0.10	120.0
P-1382	172	12.0	154.16	0.44	0.02	120.0
P-7	128	8.0	139.52	0.89	0.07	120.0
P-8	212	8.0	139.52	0.89	0.12	120.0
P-6	54	8.0	139.52	0.89	0.03	120.0
P-4	43	8.0	139.52	0.89	0.02	120.0
P-5	308	8.0	139.52	0.89	0.17	120.0
P-2	145	8.0	139.52	0.89	0.08	120.0
P-3	173	8.0	139.52	0.89	0.10	120.0
P-1105	108	8.0	151.63	0.97	0.07	120.0
P-1108	168	8.0	151.63	0.97	0.11	120.0
P-1109	136	8.0	151.63	0.97	0.09	120.0
P-1112	164	8.0	151.63	0.97	0.11	120.0
P-1113	140	8.0	151.64	0.97	0.09	120.0
P-1116	265	8.0	151.64	0.97	0.17	120.0
P-600	275	8.0	151.32	0.97	0.18	120.0
P-34	45	8.0	151.32	0.97	0.03	120.0
P-876	1,807	8.0	140.39	0.90	0.67	150.0
P-766	233	12.0	172.97	0.49	0.03	120.0
P-767	311	12.0	172.97	0.49	0.04	120.0
P-846	190	8.0	149.32	0.95	0.08	150.0
P-1061	222	8.0	146.91	0.94	0.13	120.0
P-1064	205	8.0	146.91	0.94	0.12	120.0
P-1068	246	8.0	146.91	0.94	0.15	120.0
P-1065	57	8.0	146.91	0.94	0.03	120.0
P-1(1)	389	8.0	154.51	0.99	0.26	120.0
P-877	1,654	8.0	150.33	0.96	0.69	150.0
P-1378	50	12.0	196.34	0.56	0.01	120.0
P-1379(1)	445	12.0	196.34	0.56	0.06	120.0
P-301(4)	247	12.0	168.27	0.48	0.03	120.0
P-302(1)	1,274	12.0	168.27	0.48	0.14	120.0
P-33	65	8.0	170.60	1.09	0.05	120.0
P-32	279	8.0	170.60	1.09	0.22	120.0
P-27	152	8.0	170.61	1.09	0.12	120.0
P-1379(2)	342	12.0	205.78	0.58	0.05	120.0
P-299	567	12.0	186.24	0.53	0.07	120.0

GBWC-PD 2024 IRP - Mountain Falls System
Action (2027) PHD Condition Distribution System Pipe Report
Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-300(1)	521	12.0	186.24	0.53	0.07	120.0
P-596	329	12.0	194.49	0.55	0.05	120.0
P-301(1)	350	12.0	195.69	0.56	0.05	120.0
P-300(2)	1,560	12.0	195.69	0.56	0.22	120.0
P-1372	475	12.0	204.54	0.58	0.07	120.0
P-628	941	12.0	205.11	0.58	0.15	120.0
P-1090	215	8.0	176.53	1.13	0.18	120.0
P-257(4)	457	12.0	187.65	0.53	0.06	120.0
P-26(1)	523	6.0	195.43	2.22	2.19	120.0
P-558	97	12.0	231.89	0.66	0.02	120.0
P-257(2)	692	12.0	216.07	0.61	0.12	120.0
P-302(3)	212	12.0	227.62	0.65	0.04	120.0
P-301(3)	617	12.0	245.14	0.70	0.13	120.0
P-302(2)	245	12.0	237.50	0.67	0.05	120.0
P-792	281	12.0	256.25	0.73	0.07	120.0
P-793	438	12.0	256.25	0.73	0.10	120.0
P-821	230	12.0	273.51	0.78	0.06	120.0
P-820	492	12.0	273.51	0.78	0.13	120.0
P-878	1,526	8.0	243.08	1.55	1.56	150.0
P-302(4)	108	12.0	260.35	0.74	0.03	120.0
P-795	90	12.0	276.83	0.79	0.02	120.0
P-1373	176	12.0	276.83	0.79	0.05	120.0
P-796	377	12.0	276.83	0.79	0.10	120.0
P-879	192	8.0	253.01	1.61	0.21	150.0
P-301(2)	101	12.0	282.71	0.80	0.03	120.0
P-257(3)	374	12.0	275.05	0.78	0.10	120.0
P-257(5)	855	12.0	288.62	0.82	0.25	120.0
P-1376	26	12.0	359.27	1.02	0.01	120.0
P-257(1)(1)	70	12.0	337.49	0.96	0.03	120.0
P-257(1)(2)	69	12.0	346.94	0.98	0.03	120.0
P-257(6)	131	12.0	385.95	1.09	0.07	120.0
P-309(1)	2,118	12.0	400.07	1.13	1.14	120.0
P-310	574	12.0	409.51	1.16	0.32	120.0
P-309(2)	513	12.0	409.51	1.16	0.29	120.0
P-275(1)	1,559	12.0	522.13	1.48	1.38	120.0
P-680	87	12.0	519.66	1.47	0.08	120.0
P-679	420	12.0	519.66	1.47	0.37	120.0
P-1377	725	12.0	522.96	1.48	0.64	120.0
P-724	175	12.0	522.96	1.48	0.15	120.0
P-1383	347	12.0	634.42	1.80	0.44	120.0
P-458	60	12.0	669.87	1.90	0.08	120.0
P-460	293	12.0	669.87	1.90	0.41	120.0
P-275(2)	597	12.0	775.14	2.20	1.09	120.0
P-399	327	12.0	798.84	2.27	0.63	120.0
P-689	720	12.0	832.46	2.36	1.51	120.0
P-692	94	12.0	832.46	2.36	0.20	120.0

GBWC-PD 2024 IRP - Mountain Falls System
Action (2027) PHD Condition Distribution System Pipe Report
Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-695	39	12.0	832.47	2.36	0.08	120.0
P-696(1)	267	12.0	832.47	2.36	0.56	120.0
P-696(2)	153	12.0	841.91	2.39	0.33	120.0
P-1384	408	12.0	870.06	2.47	0.93	120.0
P-455	112	12.0	870.06	2.47	0.25	120.0
P-260(2)(1)(1)(1)	293	18.0	873.86	1.10	0.08	130.0
P-260(2)(1)(1)(2)	259	18.0	873.86	1.10	0.07	130.0
P-260(2)(1)(2)	134	18.0	883.31	1.11	0.04	130.0
P-260(1)	169	18.0	914.49	1.15	0.05	130.0
P-823	838	12.0	914.49	2.59	2.09	120.0
P-824	13	12.0	914.49	2.59	0.03	120.0
P-1094	309	8.0	997.28	6.37	6.51	120.0
P-1095	584	8.0	1,009.41	6.44	12.59	120.0
P-1096	412	8.0	1,009.42	6.44	8.88	120.0
P-1097	403	8.0	1,009.42	6.44	8.69	120.0
P-1098	459	8.0	1,009.41	6.44	9.89	120.0
P-260(2)(2)	105	18.0	943.13	1.19	0.03	130.0
P-1100	102	8.0	1,021.55	6.52	2.25	120.0
P-1101	475	8.0	1,021.55	6.52	10.47	120.0
P-1102	6	8.0	1,173.19	7.49	0.17	120.0
P-1103	166	8.0	1,173.19	7.49	4.73	120.0
P-1125.2	55	8.0	1,627.72	10.39	2.87	120.0

GBWC-PD 2024 IRP - Mountain Falls System
Preferred (2044) MDD Condition Distribution System Junction
Report
JCT-IRP - Time: 0.00 hours

Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1081	2,760.00	MF	0.00	2,894.26	58.09
J-1082	2,758.00	MF	8.64	2,896.56	59.95
J-1080	2,760.00	MF	0.00	2,900.34	60.72
J-1083	2,755.00	MF	0.00	2,901.03	63.18
J-1079	2,756.00	MF	0.00	2,902.08	63.20
J-1112	2,754.29	MF	0.00	2,903.10	64.39
J-1111	2,754.00	MF	0.00	2,907.58	66.45
J-1110	2,753.00	MF	0.00	2,907.58	66.88
J-1218	2,747.00	MF	0.00	2,902.08	67.10
J-1084	2,749.00	MF	0.00	2,904.18	67.14
J-1108	2,752.00	MF	0.00	2,907.58	67.31
J-1109	2,752.00	MF	0.00	2,907.58	67.31
J-1078	2,746.00	MF	0.00	2,902.08	67.53
J-1107	2,748.00	MF	0.00	2,907.58	69.04
J-556	2,760.00	MF	4.56	2,923.20	70.61
J-1106	2,746.00	MF	0.00	2,909.92	70.92
J-1103	2,747.00	MF	0.00	2,912.23	71.49
J-1104	2,747.00	MF	0.00	2,912.23	71.49
J-1105	2,747.00	MF	0.00	2,912.23	71.49
J-1085	2,742.00	MF	0.00	2,907.27	71.50
J-1124	2,750.00	MF	0.00	2,917.33	72.40
J-555	2,755.00	MF	4.56	2,923.18	72.76
J-1123	2,749.00	MF	0.00	2,917.33	72.83
J-1087	2,741.00	MF	0.00	2,910.78	73.46
J-1086	2,740.00	MF	8.64	2,910.78	73.89
J-1094	2,744.00	MF	0.00	2,915.15	74.05
J-553	2,752.00	MF	0.00	2,923.16	74.05
J-1120	2,746.00	MF	2.85	2,917.33	74.13
J-1122	2,746.00	MF	0.00	2,917.33	74.13
J-1091	2,743.00	MF	8.64	2,915.12	74.47
J-1093	2,743.00	MF	0.00	2,915.15	74.48
J-1121	2,745.00	MF	0.00	2,917.33	74.56
J-1088	2,739.00	MF	0.00	2,911.58	74.67
J8	2,748.00	MF	0.00	2,920.79	74.76
J5	2,750.00	MF	0.00	2,923.14	74.91
J-1066	2,749.00	MF	0.00	2,922.15	74.91
J-1098	2,742.00	MF	0.00	2,915.21	74.94
J-703	2,743.79	MF	0.00	2,917.23	75.04
J-704	2,743.64	MF	0.00	2,917.23	75.11
J-705	2,743.35	MF	0.00	2,917.23	75.23
J-1067	2,748.00	MF	0.00	2,922.15	75.35
J-1071	2,748.00	MF	0.00	2,922.16	75.35
J-554	2,749.00	MF	4.56	2,923.17	75.36

GBWC-PD 2024 IRP - Mountain Falls System
Preferred (2044) MDD Condition Distribution System Junction
Report
JCT-IRP - Time: 0.00 hours

Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1102	2,741.00	MF	0.00	2,915.27	75.40
J-1119	2,743.00	MF	0.00	2,917.33	75.43
J-712	2,742.56	MF	0.00	2,917.23	75.57
J-347	2,743.00	MF	0.00	2,917.84	75.65
J-702	2,742.22	MF	0.00	2,917.23	75.72
J-1092	2,740.00	MF	0.00	2,915.15	75.78
J-1070	2,747.00	MF	0.00	2,922.16	75.78
J-706	2,741.99	MF	0.00	2,917.24	75.82
J-1101	2,740.00	MF	0.00	2,915.27	75.83
J-1118	2,742.00	MF	0.00	2,917.32	75.85
J-711	2,741.87	MF	0.00	2,917.23	75.87
J-713	2,741.46	MF	0.00	2,917.24	76.05
J-707	2,741.15	MF	0.00	2,917.24	76.18
J6	2,747.00	MF	0.00	2,923.14	76.21
J-1074	2,746.00	MF	0.00	2,922.17	76.22
J-1097	2,739.00	MF	0.00	2,915.21	76.24
J17	2,740.72	MF	6.97	2,917.23	76.37
J-714	2,740.53	MF	0.00	2,917.24	76.45
J-501	2,746.00	MF	0.00	2,922.79	76.49
J-493	2,741.00	MF	0.00	2,917.80	76.49
J-708	2,740.39	MF	0.00	2,917.24	76.51
J-1062	2,745.00	MF	0.00	2,922.14	76.64
J-1069	2,745.00	MF	10.55	2,922.16	76.65
J3	2,746.00	MF	0.00	2,923.25	76.69
J-1117	2,740.00	MF	0.00	2,917.31	76.71
J-715	2,739.73	MF	0.00	2,917.24	76.80
J-557	2,745.67	MF	0.00	2,923.23	76.82
J-709	2,739.59	MF	0.00	2,917.24	76.86
J-563	2,745.25	MF	6.73	2,923.22	77.00
J-1063	2,744.00	MF	0.00	2,922.14	77.07
J-1065	2,744.00	MF	0.00	2,922.15	77.08
J-1073	2,744.00	MF	0.00	2,922.17	77.09
J-1095	2,737.00	MF	0.00	2,915.18	77.09
J-1096	2,737.00	MF	0.00	2,915.21	77.10
J-1099	2,737.00	MF	0.00	2,915.24	77.12
J-710	2,738.98	MF	0.00	2,917.24	77.12
J-1100	2,737.00	MF	0.00	2,915.27	77.13
J-1116	2,739.00	MF	2.85	2,917.31	77.15
GC-3	2,744.45	MF	0.00	2,923.19	77.33
J-1068	2,743.00	MF	0.00	2,922.15	77.51
J-1072	2,743.00	MF	0.00	2,922.17	77.52
J-716	2,738.06	MF	0.00	2,917.24	77.52
J-717	2,737.80	MF	0.00	2,917.24	77.63

GBWC-PD 2024 IRP - Mountain Falls System
Preferred (2044) MDD Condition Distribution System Junction
Report
JCT-IRP - Time: 0.00 hours

Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-726	2,737.80	MF	0.00	2,917.24	77.64
J-552	2,743.53	MF	0.00	2,923.16	77.72
J-727	2,737.20	MF	0.00	2,917.24	77.90
J-1138	2,737.00	MF	0.00	2,917.07	77.91
J-1159	2,737.00	MF	5.78	2,917.10	77.92
J-1161	2,737.00	MF	0.00	2,917.10	77.92
J-1153	2,737.00	MF	0.00	2,917.10	77.92
J-500	2,743.00	MF	0.00	2,923.12	77.93
J-1059	2,742.00	MF	0.00	2,922.13	77.93
J4	2,743.00	MF	0.00	2,923.14	77.94
J-1064	2,742.00	MF	0.00	2,922.14	77.94
J-1077	2,742.00	MF	0.00	2,922.18	77.95
J-718	2,737.02	MF	0.00	2,917.24	77.97
J-374	2,736.93	MF	0.00	2,917.23	78.01
J-719	2,736.92	MF	0.00	2,917.24	78.02
J-1113	2,737.00	MF	2.85	2,917.35	78.03
J-1137	2,736.00	MF	6.20	2,917.07	78.34
J-1139	2,736.00	MF	0.00	2,917.07	78.34
J-1141	2,736.00	MF	0.00	2,917.07	78.34
J-1160	2,736.00	MF	0.00	2,917.10	78.35
J-1158	2,736.00	MF	0.00	2,917.10	78.35
J-1154	2,736.00	MF	0.00	2,917.10	78.35
J-1060	2,741.00	MF	0.00	2,922.13	78.37
J-1061	2,741.00	MF	0.00	2,922.14	78.37
J-1115	2,736.00	MF	0.00	2,917.30	78.44
J-1114	2,736.00	MF	0.00	2,917.30	78.44
J-720	2,735.94	MF	0.00	2,917.24	78.44
J-1089	2,734.00	MF	0.00	2,915.32	78.45
J-1090	2,734.00	MF	0.00	2,915.38	78.48
J-370	2,736.00	MF	0.00	2,917.44	78.50
J-728	2,735.66	MF	0.00	2,917.24	78.56
J-1136	2,735.00	MF	0.00	2,917.07	78.78
J-1058	2,740.00	MF	0.00	2,922.13	78.80
J-729	2,735.09	MF	0.00	2,917.24	78.81
J-721	2,735.04	MF	0.00	2,917.24	78.83
J-1056	2,739.00	MF	0.00	2,922.06	79.20
J-1140	2,734.00	MF	0.00	2,917.07	79.21
J-1156	2,734.00	MF	5.78	2,917.10	79.22
J-1151	2,734.00	MF	0.00	2,917.10	79.22
J-1149	2,734.00	MF	0.00	2,917.10	79.22
J-1150	2,734.00	MF	0.00	2,917.10	79.22
J-1076	2,739.00	MF	0.00	2,922.19	79.26
J30	2,734.00	MF	0.00	2,917.21	79.27

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Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J52	2,734.00	MF	0.00	2,917.23	79.27
J-730	2,733.82	MF	0.00	2,917.24	79.36
J-346	2,733.00	MF	0.00	2,917.04	79.63
J-1135	2,733.00	MF	0.00	2,917.08	79.64
J-1134	2,733.00	MF	0.00	2,917.08	79.64
J-1162	2,733.00	MF	0.00	2,917.10	79.65
J-1155	2,733.00	MF	0.00	2,917.10	79.65
J-1152	2,733.00	MF	0.00	2,917.10	79.65
J-1148	2,733.00	MF	0.00	2,917.10	79.65
J-1057	2,738.00	MF	10.55	2,922.12	79.66
J-1039	2,738.00	MF	0.00	2,922.18	79.68
J-722	2,733.05	MF	6.97	2,917.24	79.69
J-731	2,732.58	MF	0.00	2,917.24	79.90
J-1040	2,737.00	MF	0.00	2,922.04	80.06
J-492	2,732.00	MF	0.00	2,917.04	80.06
J-1055	2,737.00	MF	0.00	2,922.06	80.07
J-1142	2,732.00	MF	0.00	2,917.07	80.07
J-1130	2,732.00	MF	0.00	2,917.08	80.08
J-1147	2,732.00	MF	0.00	2,917.10	80.08
J-1075	2,737.00	MF	0.00	2,922.15	80.11
J-1037	2,737.00	MF	0.00	2,922.18	80.12
J-732	2,732.02	MF	0.00	2,917.25	80.14
J-1049	2,736.00	MF	0.00	2,921.89	80.43
J-1041	2,736.00	MF	0.00	2,921.97	80.46
J-1051	2,736.00	MF	0.00	2,922.00	80.47
J-1053	2,736.00	MF	0.00	2,922.05	80.50
J-1054	2,736.00	MF	0.00	2,922.06	80.50
J-1143	2,731.00	MF	0.00	2,917.07	80.51
J-1038	2,736.00	MF	0.00	2,922.18	80.55
J27	2,736.00	MF	0.00	2,922.27	80.59
J-733	2,730.74	MF	0.00	2,917.25	80.69
J-723	2,730.64	MF	0.00	2,917.25	80.74
J-1042	2,735.00	MF	0.00	2,921.94	80.88
J-1050	2,735.00	MF	0.00	2,922.00	80.91
J-1052	2,735.00	MF	0.00	2,922.00	80.91
J-724	2,730.24	MF	0.00	2,917.25	80.91
J-1125	2,730.00	MF	6.20	2,917.07	80.94
J-1132	2,730.00	MF	0.00	2,917.08	80.94
J-1146	2,730.00	MF	5.78	2,917.10	80.95
J-1176	2,730.00	MF	0.00	2,917.17	80.98
J-491	2,735.00	MF	0.00	2,922.21	81.00
J-725	2,729.79	MF	0.00	2,917.25	81.10
J-744	2,729.58	MF	0.00	2,917.25	81.20

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Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1045	2,734.00	MF	0.00	2,921.88	81.29
J-1047	2,734.00	MF	0.00	2,921.89	81.29
J-562	2,729.17	MF	6.73	2,917.06	81.29
J-1131	2,729.00	MF	0.00	2,917.08	81.37
J-1170	2,729.00	MF	0.00	2,917.17	81.41
GC-1	2,735.00	MF	0.00	2,923.25	81.45
J-1035	2,733.00	MF	0.00	2,921.27	81.46
J-734	2,728.87	MF	0.00	2,917.25	81.50
J-745	2,728.65	MF	0.00	2,917.25	81.60
J-746	2,728.41	MF	0.00	2,917.25	81.70
J-1046	2,733.00	MF	10.55	2,921.85	81.71
J-1048	2,733.00	MF	0.00	2,921.89	81.72
J-1043	2,733.00	MF	0.00	2,921.91	81.73
J-304	2,733.00	MF	0.00	2,921.95	81.75
J-735	2,728.25	MF	0.00	2,917.25	81.77
J-1133	2,728.00	MF	0.00	2,917.08	81.81
J-1144	2,728.00	MF	0.00	2,917.10	81.81
J-1018	2,732.00	MF	0.00	2,921.27	81.89
J-736	2,727.74	MF	0.00	2,917.25	81.99
J-1044	2,732.00	MF	0.00	2,921.90	82.16
J-747	2,727.25	MF	0.00	2,917.25	82.20
J-384	2,727.00	MF	0.00	2,917.07	82.24
J-1126	2,727.00	MF	0.00	2,917.08	82.24
J-1127	2,727.00	MF	0.00	2,917.08	82.24
J-1157	2,727.00	MF	0.00	2,917.10	82.25
J-1173	2,727.00	MF	0.00	2,917.17	82.28
J-1032	2,731.00	MF	0.00	2,921.27	82.32
J-1036	2,731.00	MF	0.00	2,921.27	82.32
J-1019	2,731.00	MF	0.00	2,921.27	82.32
J-737	2,726.61	MF	0.00	2,917.25	82.48
J-495	2,726.00	MF	0.00	2,917.08	82.67
J-1128	2,726.00	MF	6.20	2,917.08	82.67
J-1145	2,726.00	MF	0.00	2,917.10	82.68
J-1168	2,726.00	MF	0.00	2,917.17	82.71
J-1169	2,726.00	MF	0.00	2,917.17	82.71
J-1033	2,730.00	MF	0.00	2,921.27	82.75
J-1034	2,730.00	MF	0.00	2,921.27	82.75
J-1029	2,730.00	MF	0.00	2,921.27	82.75
J29	2,730.00	MF	0.00	2,921.65	82.92
J-748	2,725.58	MF	0.00	2,917.25	82.93
J-302	2,730.00	MF	0.00	2,921.75	82.96
J-303	2,730.00	MF	0.00	2,921.78	82.98
J-1216	2,729.00	MF	0.00	2,920.81	82.99

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Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1129	2,725.00	MF	0.00	2,917.08	83.10
J-390	2,725.00	MF	0.00	2,917.09	83.11
J-1167	2,725.00	MF	0.00	2,917.17	83.14
J-1172	2,725.00	MF	0.00	2,917.17	83.14
J-1030	2,729.00	MF	0.00	2,921.27	83.19
J-1020	2,729.00	MF	6.68	2,921.27	83.19
J-1017	2,729.00	MF	0.00	2,921.27	83.19
J-1022	2,729.00	MF	0.00	2,921.27	83.19
J-738	2,724.75	MF	0.00	2,917.25	83.29
J-1217	2,728.00	MF	0.00	2,920.89	83.45
J-1174	2,724.00	MF	0.00	2,917.17	83.57
J-1031	2,728.00	MF	6.68	2,921.27	83.62
J-1026	2,728.00	MF	0.00	2,921.27	83.62
J-1028	2,728.00	MF	0.00	2,921.27	83.62
J-1027	2,728.00	MF	0.00	2,921.27	83.62
J-749	2,723.86	MF	0.00	2,917.25	83.67
J-739	2,723.70	MF	0.00	2,917.25	83.74
J45	2,723.00	MF	0.00	2,917.09	83.98
J-1163	2,723.00	MF	0.00	2,917.10	83.98
J-1006	2,726.00	MF	0.00	2,920.12	83.99
J-1005	2,726.00	MF	0.00	2,920.13	83.99
J-1164.1	2,723.00	MF	0.00	2,917.17	84.01
J-1165	2,723.00	MF	0.00	2,917.17	84.01
J-1166	2,723.00	MF	0.00	2,917.17	84.01
J-1171	2,723.00	MF	4.89	2,917.17	84.01
J-227	2,723.02	MF	0.00	2,917.26	84.04
J-759	2,722.99	MF	0.00	2,917.26	84.05
J-1024	2,727.00	MF	6.68	2,921.27	84.05
J-1023	2,727.00	MF	0.00	2,921.27	84.05
J-1021	2,727.00	MF	0.00	2,921.27	84.05
J-267	2,727.00	MF	0.00	2,921.27	84.05
J-228	2,722.82	MF	0.00	2,917.26	84.12
J-756	2,722.60	MF	0.00	2,917.26	84.22
J-750	2,722.52	MF	0.00	2,917.25	84.25
J-564	2,726.27	MF	6.73	2,921.14	84.31
J-742	2,722.24	MF	0.00	2,917.26	84.37
J-758	2,722.13	MF	0.00	2,917.26	84.42
J-1002	2,725.00	MF	0.00	2,920.14	84.43
J-1003	2,725.00	MF	0.00	2,920.14	84.43
J-1011	2,725.00	MF	0.00	2,920.16	84.44
J-740	2,722.09	MF	0.00	2,917.25	84.44
J-1164	2,722.00	MF	4.89	2,917.17	84.44
J-1009	2,725.00	MF	7.98	2,920.17	84.44

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Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1175	2,722.00	MF	0.00	2,917.17	84.44
J-1025	2,726.00	MF	0.00	2,921.27	84.48
J-751	2,721.63	MF	0.00	2,917.26	84.64
J-755	2,721.63	MF	0.00	2,917.26	84.64
J-757	2,721.54	MF	0.00	2,917.26	84.68
J-488	2,725.00	MF	0.00	2,920.89	84.75
J-490	2,725.00	MF	0.00	2,920.92	84.77
J-1007	2,724.00	MF	0.00	2,920.11	84.85
J-1012	2,724.00	MF	0.00	2,920.13	84.86
J-1013	2,724.00	MF	0.00	2,920.13	84.86
J-1220	2,721.00	MF	0.00	2,917.16	84.87
J-1009.2	2,724.00	MF	0.00	2,920.17	84.87
J-1177	2,721.00	MF	0.00	2,917.17	84.87
J-1178	2,721.00	MF	0.00	2,917.17	84.87
J-1179	2,721.00	MF	0.00	2,917.17	84.87
J-1180	2,721.00	MF	0.00	2,917.17	84.87
J-752	2,720.99	MF	0.00	2,917.26	84.91
J-741	2,720.59	MF	6.97	2,917.26	85.09
J-753	2,720.47	MF	0.00	2,917.26	85.14
J-486	2,724.00	MF	0.00	2,920.81	85.15
J-430	2,720.46	MF	0.00	2,917.28	85.15
J-496	2,720.00	MF	0.00	2,917.13	85.29
J-1014	2,723.00	MF	0.00	2,920.13	85.29
J-1009.1	2,723.00	MF	0.00	2,920.17	85.30
J-1182	2,720.00	MF	0.00	2,917.17	85.31
J-1181	2,720.00	MF	4.89	2,917.17	85.31
J-754	2,720.03	MF	0.00	2,917.26	85.33
J-429	2,720.03	MF	0.00	2,917.28	85.34
J-1193	2,720.00	MF	0.00	2,917.27	85.35
J-743	2,719.69	MF	0.00	2,917.26	85.48
J-1219	2,719.00	MF	0.00	2,917.11	85.71
J-1008.1	2,722.00	MF	0.00	2,920.12	85.72
J-1001	2,722.00	MF	0.00	2,920.14	85.73
J-1000	2,722.00	MF	0.00	2,920.15	85.73
J-1010	2,722.00	MF	0.00	2,920.17	85.74
J-447	2,718.99	MF	0.00	2,917.18	85.75
J-428	2,718.69	MF	0.00	2,917.28	85.92
J-497	2,718.22	MF	0.00	2,917.19	86.08
J-1008.2	2,721.00	MF	0.00	2,920.01	86.10
J-1008	2,721.00	MF	7.98	2,920.10	86.14
J-1004	2,721.00	MF	0.00	2,920.14	86.16
J-484	2,721.00	MF	0.00	2,920.18	86.18
J-427	2,718.05	MF	0.00	2,917.28	86.20

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Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1186	2,718.00	MF	0.00	2,917.25	86.21
J-1192	2,718.00	MF	0.00	2,917.27	86.21
J-426	2,717.66	MF	0.00	2,917.28	86.36
J-015	2,717.50	MF	0.00	2,917.27	86.43
J-458	2,717.45	MF	0.00	2,917.27	86.45
J-266	2,720.00	MF	0.00	2,920.04	86.55
J14	2,717.17	MF	0.00	2,917.26	86.57
J53	2,720.00	MF	0.00	2,920.21	86.62
J-425	2,717.03	MF	4.91	2,917.28	86.64
J-1185	2,717.00	MF	0.00	2,917.25	86.64
J-1188	2,717.00	MF	0.00	2,917.26	86.64
J-1191	2,717.00	MF	4.75	2,917.27	86.65
J-1204	2,717.00	MF	0.00	2,917.30	86.66
J-421	2,716.98	MF	0.00	2,917.35	86.69
J-1016	2,719.00	MF	0.00	2,920.07	86.99
J-1215	2,719.00	MF	0.00	2,920.07	86.99
J-1190	2,716.00	MF	0.00	2,917.27	87.08
J-1203	2,716.00	MF	0.00	2,917.30	87.09
J-1205	2,716.00	MF	0.00	2,917.30	87.09
J-419	2,715.72	MF	0.00	2,917.35	87.24
J-420	2,715.33	MF	0.00	2,917.35	87.41
J-1015	2,718.00	MF	7.98	2,920.07	87.43
J31	2,715.00	MF	0.00	2,917.22	87.49
J-424	2,715.00	MF	0.00	2,917.30	87.53
J-418	2,714.86	MF	0.00	2,917.35	87.61
J-448	2,714.53	MF	0.00	2,917.24	87.70
J-619	2,714.74	MF	0.00	2,917.63	87.78
J-416	2,714.27	MF	0.00	2,917.35	87.86
J-550	2,716.00	MF	7.08	2,919.11	87.88
J-1183	2,714.00	MF	0.00	2,917.25	87.94
J-1184	2,714.00	MF	4.75	2,917.25	87.94
J-1187	2,714.00	MF	0.00	2,917.25	87.94
J-1189	2,714.00	MF	0.00	2,917.26	87.94
J-1199	2,714.00	MF	0.00	2,917.27	87.94
J-1202	2,714.00	MF	4.98	2,917.30	87.96
J-417	2,713.82	MF	0.00	2,917.35	88.06
J-413	2,713.65	MF	0.00	2,917.35	88.13
J-618	2,713.79	MF	0.00	2,917.63	88.19
J-607	2,713.59	MF	10.68	2,917.51	88.23
J-606	2,713.51	MF	0.00	2,917.51	88.26
J-415	2,713.32	MF	0.00	2,917.35	88.27
J-423	2,713.02	MF	0.00	2,917.32	88.39
J-1200	2,713.00	MF	0.00	2,917.30	88.39

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Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1209	2,713.00	MF	0.00	2,917.32	88.40
J-617	2,713.00	MF	0.00	2,917.63	88.53
J-255	2,715.00	MF	0.00	2,919.87	88.64
J-605	2,712.59	MF	0.00	2,917.51	88.66
J-414	2,712.14	MF	0.00	2,917.35	88.79
J-1194	2,712.00	MF	0.00	2,917.26	88.81
J-1198	2,712.00	MF	0.00	2,917.27	88.81
J-1197	2,712.00	MF	0.00	2,917.27	88.81
J-1196	2,712.00	MF	4.75	2,917.27	88.81
J-498	2,712.00	MF	0.00	2,917.27	88.81
J39	2,712.00	MF	0.00	2,917.29	88.82
J-1201	2,712.00	MF	0.00	2,917.30	88.82
J-1206	2,712.00	MF	0.00	2,917.31	88.83
J-1207	2,712.00	MF	4.98	2,917.31	88.83
J-616	2,712.23	MF	0.00	2,917.63	88.87
J-467	2,711.86	MF	0.00	2,917.29	88.88
J-422	2,711.35	MF	0.00	2,917.34	89.12
J-604	2,711.43	MF	0.00	2,917.51	89.16
J-412	2,711.26	MF	0.00	2,917.35	89.17
J-403	2,711.20	MF	0.00	2,917.38	89.20
J42	2,710.96	MF	0.00	2,917.28	89.27
J-608	2,710.98	MF	3.05	2,917.52	89.36
J-615	2,711.09	MF	0.00	2,917.63	89.36
J-613	2,710.95	MF	0.00	2,917.63	89.42
J-404	2,710.64	MF	0.00	2,917.37	89.44
J-401	2,710.61	MF	4.91	2,917.39	89.46
J-603	2,710.50	MF	0.00	2,917.52	89.57
J-410	2,710.26	MF	4.91	2,917.35	89.60
J-400	2,710.26	MF	0.00	2,917.40	89.62
J-612	2,710.45	MF	0.00	2,917.62	89.63
J-1195	2,710.00	MF	0.00	2,917.26	89.67
J-1214	2,710.00	MF	0.00	2,917.31	89.70
J-1208	2,710.00	MF	0.00	2,917.32	89.70
J-1210	2,710.00	MF	0.00	2,917.32	89.70
J-614	2,710.22	MF	0.00	2,917.63	89.74
J-610	2,710.07	MF	0.00	2,917.53	89.76
J-508	2,710.00	MF	7.67	2,917.47	89.76
J-620	2,710.07	MF	0.00	2,917.63	89.80
J-409	2,709.74	MF	0.00	2,917.35	89.82
J-602	2,709.81	MF	0.00	2,917.52	89.86
J-621	2,709.92	MF	0.00	2,917.64	89.87
J-601	2,709.58	MF	0.00	2,917.51	89.96
J-231	2,709.41	MF	0.00	2,917.35	89.97

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Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-411	2,709.35	MF	0.00	2,917.35	89.99
J-408	2,709.31	MF	0.00	2,917.35	90.01
J-017	2,709.20	MF	0.00	2,917.27	90.02
J-499	2,709.23	MF	0.00	2,917.33	90.03
J-611	2,709.51	MF	0.00	2,917.61	90.04
J-600	2,709.32	MF	0.00	2,917.45	90.05
J-018	2,709.10	MF	0.00	2,917.27	90.07
J-1211	2,709.00	MF	0.00	2,917.32	90.13
J-1212	2,709.00	MF	0.00	2,917.32	90.13
J-1213	2,709.00	MF	4.98	2,917.33	90.13
J-627	2,709.28	MF	0.00	2,917.61	90.14
J-623	2,709.24	MF	0.00	2,917.64	90.17
J10	2,709.00	MF	0.00	2,917.46	90.19
J38	2,711.00	MF	3.53	2,919.62	90.26
J-406	2,708.62	MF	0.00	2,917.36	90.31
J-405	2,708.62	MF	0.00	2,917.37	90.32
J-229	2,708.52	MF	0.00	2,917.37	90.36
J-622	2,708.73	MF	0.00	2,917.64	90.39
J32	2,708.00	MF	0.00	2,917.35	90.57
J-624	2,708.27	MF	0.00	2,917.65	90.59
J-628	2,708.23	MF	0.00	2,917.63	90.60
J-634	2,708.13	MF	0.00	2,917.70	90.67
J-402	2,707.77	MF	0.00	2,917.39	90.69
J-625	2,707.80	MF	0.00	2,917.65	90.79
J-243	2,707.43	MF	0.00	2,917.39	90.84
J-635	2,707.67	MF	0.00	2,917.70	90.87
J-407	2,707.28	MF	0.00	2,917.36	90.89
J-649	2,707.58	MF	0.00	2,917.69	90.91
J-230	2,707.22	MF	0.00	2,917.36	90.92
J-650	2,707.43	MF	0.00	2,917.69	90.97
J-629	2,707.26	MF	0.00	2,917.65	91.02
J-626	2,707.21	MF	0.00	2,917.65	91.05
J-637	2,707.21	MF	0.00	2,917.70	91.07
J-633	2,707.20	MF	0.00	2,917.70	91.07
J-549	2,708.00	MF	7.08	2,918.51	91.08
J-636	2,707.00	MF	0.00	2,917.70	91.16
J-483	2,706.66	MF	0.00	2,917.36	91.16
J-630	2,706.61	MF	0.00	2,917.66	91.31
J-632	2,706.64	MF	0.00	2,917.70	91.32
J-631	2,706.35	MF	0.00	2,917.70	91.44
J-638	2,706.24	MF	0.00	2,917.70	91.49
J-639	2,705.89	MF	0.00	2,917.70	91.64
J46	2,705.74	MF	0.00	2,917.70	91.71

GBWC-PD 2024 IRP - Mountain Falls System
Preferred (2044) MDD Condition Distribution System Junction
Report
JCT-IRP - Time: 0.00 hours

Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-642	2,705.39	MF	0.00	2,917.69	91.85
J-640	2,705.31	MF	0.00	2,917.70	91.89
J-641	2,704.48	MF	0.00	2,917.69	92.25
J-235	2,703.94	MF	0.00	2,917.41	92.36
J-645	2,704.13	MF	10.68	2,917.69	92.40
J-225	2,705.00	MF	6.90	2,919.62	92.86
J-558	2,705.00	MF	6.45	2,919.62	92.86
J28	2,705.00	MF	0.00	2,919.62	92.86
J-646	2,702.12	MF	0.00	2,917.69	93.27
J-648	2,701.28	MF	0.00	2,917.69	93.63
J-242	2,701.21	MF	0.00	2,917.69	93.66
J48	2,701.00	MF	0.00	2,917.49	93.66
J-512	2,701.00	MF	6.22	2,917.52	93.68
J-551	2,701.95	MF	0.00	2,919.20	93.99
J-647	2,700.44	MF	0.00	2,917.69	93.99
J-509	2,700.00	MF	7.67	2,917.51	94.10
J-651	2,700.16	MF	0.00	2,917.69	94.12
J-655	2,699.78	MF	0.00	2,917.69	94.28
J-654	2,699.69	MF	0.00	2,917.69	94.32
J-653	2,699.20	MF	0.00	2,917.69	94.53
J-241	2,699.07	MF	0.00	2,917.69	94.59
J-659	2,698.25	MF	0.00	2,917.69	94.94
J-652	2,698.16	MF	0.00	2,917.69	94.98
J-513	2,698.00	MF	6.22	2,917.57	95.00
J-660	2,698.08	MF	0.00	2,917.69	95.01
J-667	2,698.07	MF	0.00	2,917.69	95.02
J-666	2,697.98	MF	0.00	2,917.69	95.06
J-656	2,697.79	MF	0.00	2,917.69	95.14
J-561	2,697.49	MF	6.73	2,917.51	95.19
J-658	2,697.62	MF	0.00	2,917.69	95.21
J-240	2,697.52	MF	0.00	2,917.69	95.26
J-665	2,697.45	MF	0.00	2,917.69	95.29
J-548	2,698.00	MF	7.08	2,918.24	95.29
J-239	2,697.30	MF	0.00	2,917.69	95.35
J-662	2,696.93	MF	0.00	2,917.69	95.51
J-661	2,696.43	MF	0.00	2,917.69	95.73
J-664	2,696.31	MF	0.00	2,917.69	95.78
J-663	2,696.14	MF	0.00	2,917.69	95.85
J-657	2,696.08	MF	0.00	2,917.69	95.88
J-514	2,695.50	MF	6.22	2,917.61	96.10
J41	2,695.25	MF	0.00	2,917.69	96.24
J-510	2,695.00	MF	7.67	2,917.56	96.29
J-41.1	2,694.61	MF	0.00	2,917.64	96.50

GBWC-PD 2024 IRP - Mountain Falls System
Preferred (2044) MDD Condition Distribution System Junction
Report
JCT-IRP - Time: 0.00 hours

Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-671	2,694.57	MF	0.00	2,917.75	96.56
J-672	2,694.37	MF	0.00	2,917.75	96.65
J-670	2,693.83	MF	0.00	2,917.75	96.88
J-238	2,693.71	MF	0.00	2,917.75	96.93
J-668	2,693.50	MF	0.00	2,917.73	97.01
J47	2,694.00	MF	0.00	2,918.67	97.20
J-676	2,692.54	MF	0.00	2,917.83	97.47
J-669	2,692.34	MF	0.00	2,917.75	97.53
J-673	2,691.84	MF	0.00	2,917.76	97.75
J37	2,690.00	MF	0.00	2,918.54	98.88
J-521	2,689.00	MF	4.55	2,917.65	98.93
J-518	2,689.00	MF	3.86	2,917.67	98.93
J-559	2,689.65	MF	6.73	2,918.43	98.98
J-674	2,689.04	MF	0.00	2,917.82	98.98
J-675	2,688.66	MF	0.00	2,917.83	99.15
J-545	2,688.51	MF	3.54	2,917.94	99.27
J36	2,688.21	MF	0.00	2,917.99	99.42
J-547	2,687.85	MF	0.00	2,917.99	99.57
J-546	2,687.70	MF	0.00	2,917.97	99.62
J33	2,687.00	MF	0.00	2,917.58	99.76
J-517	2,687.00	MF	3.86	2,917.65	99.79
J-522	2,687.00	MF	4.55	2,917.66	99.80
J-016	2,686.40	MF	0.00	2,917.27	99.89
J-678	2,687.01	MF	10.68	2,917.90	99.89
J-677	2,686.94	MF	0.00	2,917.87	99.91
J-511	2,686.20	MF	0.00	2,917.59	100.11
J-515	2,685.97	MF	0.00	2,917.60	100.22
J-536	2,685.88	MF	3.16	2,917.82	100.35
J-537	2,685.00	MF	3.16	2,917.86	100.75
J-535	2,684.83	MF	3.16	2,917.77	100.78
J-516	2,684.56	MF	0.00	2,917.65	100.84
J-544	2,684.70	MF	3.54	2,917.86	100.88
J-538	2,684.41	MF	0.00	2,917.87	101.01
J34	2,684.00	MF	0.00	2,917.66	101.09
J-519	2,684.00	MF	3.86	2,917.69	101.11
J-523	2,683.00	MF	4.55	2,917.70	101.54
J-543	2,682.65	MF	0.00	2,917.85	101.76
J-524	2,682.00	MF	0.00	2,917.73	101.99
J-542	2,681.21	MF	0.00	2,917.81	102.37
J-526	2,681.00	MF	5.43	2,917.72	102.42
J-541	2,680.52	MF	3.75	2,917.80	102.66
J-520	2,679.84	MF	0.00	2,917.70	102.91
J-525	2,679.04	MF	0.00	2,917.72	103.26

GBWC-PD 2024 IRP - Mountain Falls System
Preferred (2044) MDD Condition Distribution System Junction
Report
JCT-IRP - Time: 0.00 hours

Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-534	2,678.54	MF	0.00	2,917.76	103.50
J-529	2,678.35	MF	0.00	2,917.73	103.57
J-560	2,678.27	MF	6.73	2,917.75	103.61
J35	2,678.00	MF	0.00	2,917.74	103.72
J-539	2,678.00	MF	3.75	2,917.77	103.74
J-527	2,677.00	MF	5.43	2,917.72	104.15
J-540	2,677.00	MF	3.75	2,917.78	104.17
J-532	2,676.00	MF	2.95	2,917.74	104.59
J-528	2,675.00	MF	5.43	2,917.72	105.01
J-531	2,675.00	MF	2.95	2,917.74	105.02
J-533	2,673.00	MF	2.95	2,917.74	105.89
J25	2,672.00	MF	2.95	2,917.74	106.32
J49	2,671.50	MF	1.47	2,917.74	106.54
J11	2,671.50	MF	8.49	2,917.74	106.54
J26	2,671.00	MF	0.93	2,917.74	106.75
J50	2,669.00	MF	1.58	2,917.74	107.62

GBWC-PD 2024 IRP - Mountain Falls System

Preferred (2044) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-1081	MF	0.00	0.00	1,500.00	2,410.83	True	27.03	11.27	J-505
J-1082	MF	0.00	8.64	1,508.64	2,479.73	True	29.17	11.27	J-505
J-1080	MF	0.00	0.00	1,500.00	2,765.83	True	33.63	11.27	J-505
J-1083	MF	0.00	0.00	1,500.00	2,644.33	True	33.79	11.27	J-505
J-1218	MF	0.00	0.00	1,500.00	2,664.24	True	37.11	11.27	J-505
J-1111	MF	0.00	0.00	1,500.00	2,586.49	True	37.13	11.27	J-505
J-1079	MF	0.00	0.00	1,500.00	2,903.21	True	37.53	11.27	J-505
J-1078	MF	0.00	0.00	1,500.00	2,684.41	True	37.80	11.27	J-505
J-1084	MF	0.00	0.00	1,500.00	2,880.39	True	39.48	11.27	J-505
J-1112	MF	0.00	0.00	1,500.00	2,993.61	True	39.61	11.27	J-505
J-1110	MF	0.00	0.00	1,500.00	2,826.55	True	40.47	11.27	J-505
J-1109	MF	0.00	0.00	1,500.00	2,925.14	True	42.07	11.27	J-505
J-1108	MF	0.00	0.00	1,500.00	3,054.38	True	43.28	11.27	J-505
J-416	MF	0.00	0.00	1,500.00	2,208.14	True	43.86	11.27	J-505
J-421	MF	0.00	0.00	1,500.00	2,262.13	True	45.05	11.27	J-505
J-1085	MF	0.00	0.00	1,500.00	3,201.53	True	46.26	11.27	J-505
J-1107	MF	0.00	0.00	1,500.00	3,526.25	True	48.87	11.27	J-505
J-419	MF	0.00	0.00	1,500.00	2,389.36	True	49.15	11.27	J-505
J-420	MF	0.00	0.00	1,500.00	2,432.36	True	50.70	11.27	J-505
J-1124	MF	0.00	0.00	1,500.00	3,055.76	True	51.20	11.27	J-505
J-1087	MF	0.00	0.00	1,500.00	3,637.43	True	51.66	11.27	J-505
J-1105	MF	0.00	0.00	1,500.00	3,556.42	True	52.27	11.27	J-505
J-418	MF	0.00	0.00	1,500.00	2,490.38	True	52.36	11.27	J-505
J-1123	MF	0.00	0.00	1,500.00	3,177.33	True	52.92	11.27	J-505
J-1086	MF	0.00	8.64	1,508.64	3,808.55	True	53.27	11.27	J-505
J-1106	MF	0.00	0.00	1,500.00	3,929.37	True	53.70	11.27	J-505
J-1104	MF	0.00	0.00	1,500.00	4,000.00	True	54.93	11.27	J-505
J-1154	MF	0.00	0.00	1,500.00	3,035.16	True	55.20	11.27	J-505
J-1088	MF	0.00	0.00	1,500.00	3,966.31	True	55.55	11.27	J-505
J-417	MF	0.00	0.00	1,500.00	2,631.86	True	56.00	11.27	J-505
J-1071	MF	0.00	0.00	1,500.00	3,297.75	True	56.72	11.27	J-505
J-1036	MF	0.00	0.00	1,500.00	2,895.19	True	56.74	11.27	J-505
J-1067	MF	0.00	0.00	1,500.00	3,341.82	True	57.14	11.27	J-505
J-1035	MF	0.00	0.00	1,500.00	2,981.07	True	57.37	11.27	J-505
J-415	MF	0.00	0.00	1,500.00	2,692.71	True	57.44	11.27	J-505
J-1103	MF	0.00	0.00	1,500.00	4,000.00	True	57.63	11.27	J-505
J-1121	MF	0.00	0.00	1,500.00	3,591.55	True	57.68	11.27	J-505
J-1138	MF	0.00	0.00	1,500.00	3,333.55	True	58.06	11.27	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Preferred (2044) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-1102	MF	0.00	0.00	1,500.00	3,703.84	True	58.47	11.27	J-505
J-1150	MF	0.00	0.00	1,500.00	3,280.25	True	58.58	11.27	J-505
J-1153	MF	0.00	0.00	1,500.00	3,390.11	True	58.60	11.27	J-505
J-1098	MF	0.00	0.00	1,500.00	3,812.53	True	58.76	11.27	J-505
J-1149	MF	0.00	0.00	1,500.00	3,309.90	True	58.87	11.27	J-505
J-1066	MF	0.00	0.00	1,500.00	3,609.66	True	59.02	11.27	J-505
J-1094	MF	0.00	0.00	1,500.00	4,000.00	True	59.07	11.27	J-505
J-1122	MF	0.00	0.00	1,500.00	3,910.14	True	59.71	11.27	J-505
J-1141	MF	0.00	0.00	1,500.00	3,485.16	True	59.73	11.27	J-505
J-1074	MF	0.00	0.00	1,500.00	3,602.43	True	60.02	11.27	J-505
J-1120	MF	0.00	2.85	1,502.85	3,998.61	True	60.26	11.27	J-505
J-1070	MF	0.00	0.00	1,500.00	3,713.09	True	60.53	11.27	J-505
J-619	MF	0.00	0.00	1,500.00	2,911.92	True	60.56	11.27	J-505
J-1160	MF	0.00	0.00	1,500.00	3,649.22	True	61.01	11.27	J-505
J-1137	MF	0.00	6.20	1,506.20	3,696.76	True	61.36	11.27	J-505
J-414	MF	0.00	0.00	1,500.00	2,890.58	True	61.42	11.27	J-505
J-1136	MF	0.00	0.00	1,500.00	3,662.55	True	61.44	11.27	J-505
J-1033	MF	0.00	0.00	1,500.00	3,240.77	True	61.54	11.27	J-505
J-1101	MF	0.00	0.00	1,500.00	4,000.00	True	61.64	11.27	J-505
J-1139	MF	0.00	0.00	1,500.00	3,766.96	True	61.81	11.27	J-505
J-1073	MF	0.00	0.00	1,500.00	3,761.05	True	62.01	11.27	J-505
J-1063	MF	0.00	0.00	1,500.00	3,789.14	True	62.03	11.27	J-505
J-1159	MF	0.00	5.78	1,505.78	3,874.45	True	62.13	11.27	J-505
J-413	MF	0.00	0.00	1,500.00	3,008.05	True	62.13	11.27	J-505
J-1158	MF	0.00	0.00	1,500.00	3,830.92	True	62.23	11.27	J-505
J-1093	MF	0.00	0.00	1,500.00	4,000.00	True	62.32	11.27	J-505
J-1135	MF	0.00	0.00	1,500.00	3,688.17	True	62.33	11.27	J-505
J-1032	MF	0.00	0.00	1,500.00	3,360.93	True	62.47	11.27	J-505
J-1161	MF	0.00	0.00	1,500.00	3,922.87	True	62.52	11.27	J-505
J-1097	MF	0.00	0.00	1,500.00	4,000.00	True	62.99	11.27	J-505
J-1140	MF	0.00	0.00	1,500.00	3,843.19	True	63.16	11.27	J-505
J-1134	MF	0.00	0.00	1,500.00	3,819.15	True	63.22	11.27	J-505
J-1034	MF	0.00	0.00	1,500.00	3,374.87	True	63.23	11.27	J-505
J-1156	MF	0.00	5.78	1,505.78	3,886.75	True	63.29	11.27	J-505
J-618	MF	0.00	0.00	1,500.00	3,121.06	True	63.96	11.27	J-505
J-1062	MF	0.00	0.00	1,500.00	4,000.00	True	64.26	11.27	J-505
J-1155	MF	0.00	0.00	1,500.00	3,967.56	True	64.27	11.27	J-505
J-1152	MF	0.00	0.00	1,500.00	3,948.47	True	64.43	11.27	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Preferred (2044) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-1157	MF	0.00	0.00	1,500.00	3,687.64	True	64.44	11.27	J-505
J-1151	MF	0.00	0.00	1,500.00	4,000.00	True	64.59	11.27	J-505
J-556	MF	0.00	4.56	1,504.56	4,004.56	True	65.24	11.27	J-505
J-1142	MF	0.00	0.00	1,500.00	4,000.00	True	65.49	11.27	J-505
J-1091	MF	0.00	8.64	1,508.64	4,008.64	True	65.67	11.27	J-505
J-1148	MF	0.00	0.00	1,500.00	4,000.00	True	65.67	11.27	J-505
J-1132	MF	0.00	0.00	1,500.00	4,000.00	True	65.81	11.27	J-505
J-1162	MF	0.00	0.00	1,500.00	4,000.00	True	65.89	11.27	J-505
J-712	MF	0.00	0.00	1,500.00	4,000.00	True	66.26	11.27	J-505
J-607	MF	0.00	10.68	1,510.68	3,343.82	True	66.27	11.27	J-505
J-555	MF	0.00	4.56	1,504.56	4,004.56	True	66.33	11.27	J-505
J-1030	MF	0.00	0.00	1,500.00	3,729.17	True	66.35	11.27	J-505
J-1092	MF	0.00	0.00	1,500.00	4,000.00	True	66.39	11.27	J-505
J-1031	MF	0.00	6.68	1,506.68	3,649.66	True	66.42	11.27	J-505
J-1119	MF	0.00	0.00	1,500.00	4,000.00	True	66.51	11.27	J-505
J-1069	MF	0.00	10.55	1,510.55	4,010.55	True	66.51	11.27	J-505
J-713	MF	0.00	0.00	1,500.00	4,000.00	True	66.64	11.27	J-505
J-1118	MF	0.00	0.00	1,500.00	4,000.00	True	66.64	11.27	J-505
J-606	MF	0.00	0.00	1,500.00	3,366.51	True	66.66	11.27	J-505
J-1065	MF	0.00	0.00	1,500.00	4,000.00	True	66.66	11.27	J-505
J-617	MF	0.00	0.00	1,500.00	3,326.03	True	66.71	11.27	J-505
J-1170	MF	0.00	0.00	1,500.00	4,000.00	True	66.79	11.27	J-505
J-1096	MF	0.00	0.00	1,500.00	4,000.00	True	66.92	11.27	J-505
J-1099	MF	0.00	0.00	1,500.00	4,000.00	True	66.95	11.27	J-505
J-1117	MF	0.00	0.00	1,500.00	4,000.00	True	66.97	11.27	J-505
J-227	MF	0.00	0.00	1,500.00	3,818.49	True	66.99	11.27	J-505
J-1193	MF	0.00	0.00	1,500.00	3,679.25	True	67.08	11.27	J-505
J-1095	MF	0.00	0.00	1,500.00	4,000.00	True	67.13	11.27	J-505
J-1029	MF	0.00	0.00	1,500.00	3,886.52	True	67.14	11.27	J-505
J-1068	MF	0.00	0.00	1,500.00	4,000.00	True	67.20	11.27	J-505
J-1100	MF	0.00	0.00	1,500.00	4,000.00	True	67.21	11.27	J-505
J-1133	MF	0.00	0.00	1,500.00	4,000.00	True	67.25	11.27	J-505
J-714	MF	0.00	0.00	1,500.00	4,000.00	True	67.33	11.27	J-505
J-711	MF	0.00	0.00	1,500.00	4,000.00	True	67.44	11.27	J-505
J-1059	MF	0.00	0.00	1,500.00	4,000.00	True	67.59	11.27	J-505
J-703	MF	0.00	0.00	1,500.00	4,000.00	True	67.60	11.27	J-505
J-704	MF	0.00	0.00	1,500.00	4,000.00	True	67.62	11.27	J-505
J-1064	MF	0.00	0.00	1,500.00	4,000.00	True	67.65	11.27	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Preferred (2044) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-1056	MF	0.00	0.00	1,500.00	4,000.00	True	67.67	11.27	J-505
J-705	MF	0.00	0.00	1,500.00	4,000.00	True	67.73	11.27	J-505
J-1147	MF	0.00	0.00	1,500.00	4,000.00	True	67.86	11.27	J-505
J-1209	MF	0.00	0.00	1,500.00	3,486.37	True	67.89	11.27	J-505
J-1169	MF	0.00	0.00	1,500.00	4,000.00	True	67.91	11.27	J-505
J-715	MF	0.00	0.00	1,500.00	4,000.00	True	68.21	11.27	J-505
J-727	MF	0.00	0.00	1,500.00	4,000.00	True	68.23	11.27	J-505
J-706	MF	0.00	0.00	1,500.00	4,000.00	True	68.28	11.27	J-505
J-1116	MF	0.00	2.85	1,502.85	4,002.85	True	68.34	11.27	J-505
J-702	MF	0.00	0.00	1,500.00	4,000.00	True	68.37	11.27	J-505
J-1061	MF	0.00	0.00	1,500.00	4,000.00	True	68.38	11.27	J-505
J-728	MF	0.00	0.00	1,500.00	4,000.00	True	68.39	11.27	J-505
J-231	MF	0.00	0.00	1,500.00	3,410.22	True	68.39	11.27	J-505
J-1072	MF	0.00	0.00	1,500.00	4,000.00	True	68.42	11.27	J-505
J-412	MF	0.00	0.00	1,500.00	3,422.44	True	68.43	11.27	J-505
J-729	MF	0.00	0.00	1,500.00	4,000.00	True	68.44	11.27	J-505
J-1168	MF	0.00	0.00	1,500.00	4,000.00	True	68.59	11.27	J-505
J-1019	MF	0.00	0.00	1,500.00	4,000.00	True	68.60	11.27	J-505
J-1003	MF	0.00	0.00	1,500.00	3,909.15	True	68.61	11.27	J-505
J-707	MF	0.00	0.00	1,500.00	4,000.00	True	68.64	11.27	J-505
J-429	MF	0.00	0.00	1,500.00	3,889.70	True	68.65	11.27	J-505
J-726	MF	0.00	0.00	1,500.00	4,000.00	True	68.68	11.27	J-505
J-1204	MF	0.00	0.00	1,500.00	3,752.40	True	68.72	11.27	J-505
J-1020	MF	0.00	6.68	1,506.68	4,006.68	True	68.76	11.27	J-505
J-1131	MF	0.00	0.00	1,500.00	4,000.00	True	68.79	11.27	J-505
J-411	MF	0.00	0.00	1,500.00	3,452.83	True	68.85	11.27	J-505
J-708	MF	0.00	0.00	1,500.00	4,000.00	True	68.98	11.27	J-505
J-730	MF	0.00	0.00	1,500.00	4,000.00	True	69.00	11.27	J-505
J-430	MF	0.00	0.00	1,500.00	3,960.57	True	69.03	11.27	J-505
J-1173	MF	0.00	0.00	1,500.00	4,000.00	True	69.15	11.27	J-505
J17	MF	0.00	6.97	1,506.97	4,006.97	True	69.18	11.27	J-505
J-1143	MF	0.00	0.00	1,500.00	4,000.00	True	69.19	11.27	J-505
J-1130	MF	0.00	0.00	1,500.00	4,000.00	True	69.22	11.27	J-505
J-554	MF	0.00	4.56	1,504.56	4,004.56	True	69.30	11.27	J-505
J-709	MF	0.00	0.00	1,500.00	4,000.00	True	69.35	11.27	J-505
J-759	MF	0.00	0.00	1,500.00	4,000.00	True	69.37	11.27	J-505
J-1060	MF	0.00	0.00	1,500.00	4,000.00	True	69.49	11.27	J-505
J-1026	MF	0.00	0.00	1,500.00	4,000.00	True	69.51	11.27	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Preferred (2044) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-616	MF	0.00	0.00	1,500.00	3,595.01	True	69.63	11.27	J-505
J-710	MF	0.00	0.00	1,500.00	4,000.00	True	69.64	11.27	J-505
J-553	MF	0.00	0.00	1,500.00	4,000.00	True	69.67	11.27	J-505
J-1089	MF	0.00	0.00	1,500.00	4,000.00	True	69.70	11.27	J-505
J-1077	MF	0.00	0.00	1,500.00	4,000.00	True	69.71	11.27	J-505
J-1176	MF	0.00	0.00	1,500.00	4,000.00	True	69.72	11.27	J-505
J-1055	MF	0.00	0.00	1,500.00	4,000.00	True	69.73	11.27	J-505
J-1186	MF	0.00	0.00	1,500.00	3,941.79	True	69.75	11.27	J-505
J-1090	MF	0.00	0.00	1,500.00	4,000.00	True	69.79	11.27	J-505
J-1039	MF	0.00	0.00	1,500.00	4,000.00	True	69.83	11.27	J-505
J-1006	MF	0.00	0.00	1,500.00	4,000.00	True	69.91	11.27	J-505
J-716	MF	0.00	0.00	1,500.00	4,000.00	True	70.00	11.27	J-505
J-1005	MF	0.00	0.00	1,500.00	4,000.00	True	70.10	11.27	J-505
J-717	MF	0.00	0.00	1,500.00	4,000.00	True	70.10	11.27	J-505
J-731	MF	0.00	0.00	1,500.00	4,000.00	True	70.14	11.27	J-505
J-605	MF	0.00	0.00	1,500.00	3,714.70	True	70.22	11.27	J-505
J-1058	MF	0.00	0.00	1,500.00	4,000.00	True	70.24	11.27	J-505
J-1171	MF	0.00	4.89	1,504.89	4,004.89	True	70.31	11.27	J-505
J-1002	MF	0.00	0.00	1,500.00	4,000.00	True	70.40	11.27	J-505
J-718	MF	0.00	0.00	1,500.00	4,000.00	True	70.42	11.27	J-505
J-1049	MF	0.00	0.00	1,500.00	4,000.00	True	70.43	11.27	J-505
J-410	MF	0.00	4.91	1,504.91	3,601.12	True	70.43	11.27	J-505
J-719	MF	0.00	0.00	1,500.00	4,000.00	True	70.46	11.27	J-505
J-1021	MF	0.00	0.00	1,500.00	4,000.00	True	70.54	11.27	J-505
J-228	MF	0.00	0.00	1,500.00	4,000.00	True	70.55	11.27	J-505
J50	MF	0.00	1.58	1,501.58	2,730.55	True	70.58	11.27	J-505
J-347	MF	0.00	0.00	1,500.00	4,000.00	True	70.64	11.27	J-505
J-1018	MF	0.00	0.00	1,500.00	4,000.00	True	70.69	11.27	J-505
J-720	MF	0.00	0.00	1,500.00	4,000.00	True	70.79	11.27	J-505
J-1025	MF	0.00	0.00	1,500.00	4,000.00	True	70.84	11.27	J-505
J-732	MF	0.00	0.00	1,500.00	4,000.00	True	70.85	11.27	J-505
J-1167	MF	0.00	0.00	1,500.00	4,000.00	True	70.90	11.27	J-505
J-1172	MF	0.00	0.00	1,500.00	4,000.00	True	70.94	11.27	J-505
J-1113	MF	0.00	2.85	1,502.85	4,002.85	True	71.10	11.27	J-505
J-721	MF	0.00	0.00	1,500.00	4,000.00	True	71.13	11.27	J-505
J-493	MF	0.00	0.00	1,500.00	4,000.00	True	71.39	11.27	J-505
J-1114	MF	0.00	0.00	1,500.00	4,000.00	True	71.46	11.27	J-505
J-1115	MF	0.00	0.00	1,500.00	4,000.00	True	71.50	11.27	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Preferred (2044) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-1052	MF	0.00	0.00	1,500.00	4,000.00	True	71.51	11.27	J-505
J-650	MF	0.00	0.00	1,500.00	3,640.13	True	71.51	11.27	J-505
J-1185	MF	0.00	0.00	1,500.00	4,000.00	True	71.54	11.27	J-505
J-1174	MF	0.00	0.00	1,500.00	4,000.00	True	71.63	11.27	J-505
J-756	MF	0.00	0.00	1,500.00	4,000.00	True	71.75	11.27	J-505
J-745	MF	0.00	0.00	1,500.00	4,000.00	True	71.81	11.27	J-505
J-746	MF	0.00	0.00	1,500.00	4,000.00	True	71.82	11.27	J-505
J-747	MF	0.00	0.00	1,500.00	4,000.00	True	71.83	11.27	J-505
J-1028	MF	0.00	0.00	1,500.00	4,000.00	True	71.83	11.27	J-505
J-374	MF	0.00	0.00	1,500.00	4,000.00	True	71.85	11.27	J-505
J-649	MF	0.00	0.00	1,500.00	3,689.40	True	71.87	11.27	J-505
J-758	MF	0.00	0.00	1,500.00	4,000.00	True	71.88	11.27	J-505
J-1009	MF	0.00	7.98	1,507.98	4,007.98	True	71.91	11.27	J-505
J-722	MF	0.00	6.97	1,506.97	4,006.97	True	71.96	11.27	J-505
J-1022	MF	0.00	0.00	1,500.00	4,000.00	True	71.96	11.27	J-505
J-733	MF	0.00	0.00	1,500.00	4,000.00	True	72.01	11.27	J-505
J-1166	MF	0.00	0.00	1,500.00	4,000.00	True	72.03	11.27	J-505
J-1125	MF	0.00	6.20	1,506.20	4,006.20	True	72.04	11.27	J-505
J8	MF	0.00	0.00	1,500.00	4,000.00	True	72.05	11.27	J-505
J-1192	MF	0.00	0.00	1,500.00	4,000.00	True	72.18	11.27	J-505
J-744	MF	0.00	0.00	1,500.00	4,000.00	True	72.20	11.27	J-505
J-1051	MF	0.00	0.00	1,500.00	4,000.00	True	72.20	11.27	J-505
J-1146	MF	0.00	5.78	1,505.78	4,005.78	True	72.25	11.27	J-505
J-230	MF	0.00	0.00	1,500.00	3,757.09	True	72.27	11.27	J-505
J-1126	MF	0.00	0.00	1,500.00	4,000.00	True	72.32	11.27	J-505
J-748	MF	0.00	0.00	1,500.00	4,000.00	True	72.33	11.27	J-505
J-615	MF	0.00	0.00	1,500.00	3,880.72	True	72.35	11.27	J-505
J-1024	MF	0.00	6.68	1,506.68	4,006.68	True	72.44	11.27	J-505
J-229	MF	0.00	0.00	1,500.00	3,861.30	True	72.62	11.27	J-505
J-1010	MF	0.00	0.00	1,500.00	4,000.00	True	72.64	11.27	J-505
J-1027	MF	0.00	0.00	1,500.00	4,000.00	True	72.65	11.27	J-505
J-407	MF	0.00	0.00	1,500.00	3,812.41	True	72.67	11.27	J-505
J-405	MF	0.00	0.00	1,500.00	3,876.18	True	72.71	11.27	J-505
J-370	MF	0.00	0.00	1,500.00	4,000.00	True	72.75	11.27	J-505
J52	MF	0.00	0.00	1,500.00	4,000.00	True	72.76	11.27	J-505
J-1014	MF	0.00	0.00	1,500.00	4,000.00	True	72.93	11.27	J-505
J-1007	MF	0.00	0.00	1,500.00	4,000.00	True	72.93	11.27	J-505
J-1203	MF	0.00	0.00	1,500.00	4,000.00	True	73.02	11.27	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Preferred (2044) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-604	MF	0.00	0.00	1,500.00	4,000.00	True	73.03	11.27	J-505
J-723	MF	0.00	0.00	1,500.00	4,000.00	True	73.07	11.27	J-505
J-1127	MF	0.00	0.00	1,500.00	4,000.00	True	73.07	11.27	J-505
J-243	MF	0.00	0.00	1,500.00	3,866.40	True	73.07	11.27	J-505
J-1163	MF	0.00	0.00	1,500.00	4,000.00	True	73.14	11.27	J-505
J-1144	MF	0.00	0.00	1,500.00	4,000.00	True	73.20	11.27	J-505
J30	MF	0.00	0.00	1,500.00	4,000.00	True	73.21	11.27	J-505
J-749	MF	0.00	0.00	1,500.00	4,000.00	True	73.21	11.27	J-505
J-1129	MF	0.00	0.00	1,500.00	4,000.00	True	73.23	11.27	J-505
J-724	MF	0.00	0.00	1,500.00	4,000.00	True	73.26	11.27	J-505
J-1042	MF	0.00	0.00	1,500.00	4,000.00	True	73.30	11.27	J-505
J-346	MF	0.00	0.00	1,500.00	4,000.00	True	73.32	11.27	J-505
J-1057	MF	0.00	10.55	1,510.55	4,010.55	True	73.36	11.27	J-505
J-402	MF	0.00	0.00	1,500.00	3,933.00	True	73.49	11.27	J-505
J-725	MF	0.00	0.00	1,500.00	4,000.00	True	73.49	11.27	J-505
J-1075	MF	0.00	0.00	1,500.00	4,000.00	True	73.58	11.27	J-505
J-1175	MF	0.00	0.00	1,500.00	4,000.00	True	73.59	11.27	J-505
J-1038	MF	0.00	0.00	1,500.00	4,000.00	True	73.59	11.27	J-505
J-1145	MF	0.00	0.00	1,500.00	4,000.00	True	73.66	11.27	J-505
J-492	MF	0.00	0.00	1,500.00	4,000.00	True	73.68	11.27	J-505
J-1165	MF	0.00	0.00	1,500.00	4,000.00	True	73.69	11.27	J-505
J38	MF	0.00	3.53	1,503.53	3,957.20	True	73.72	11.27	J-505
J-1013	MF	0.00	0.00	1,500.00	4,000.00	True	73.74	11.27	J-505
J-1128	MF	0.00	6.20	1,506.20	4,006.20	True	73.75	11.27	J-505
J-1043	MF	0.00	0.00	1,500.00	4,000.00	True	73.78	11.27	J-505
J-1179	MF	0.00	0.00	1,500.00	4,000.00	True	73.87	11.27	J-505
J-428	MF	0.00	0.00	1,500.00	4,000.00	True	73.88	11.27	J-505
J-1076	MF	0.00	0.00	1,500.00	4,000.00	True	73.88	11.27	J-505
J-1040	MF	0.00	0.00	1,500.00	4,000.00	True	73.89	11.27	J-505
J-734	MF	0.00	0.00	1,500.00	4,000.00	True	73.90	11.27	J-505
J-1177	MF	0.00	0.00	1,500.00	4,000.00	True	73.92	11.27	J-505
J-1045	MF	0.00	0.00	1,500.00	4,000.00	True	73.94	11.27	J-505
J-1199	MF	0.00	0.00	1,500.00	4,000.00	True	74.02	11.27	J-505
J-750	MF	0.00	0.00	1,500.00	4,000.00	True	74.04	11.27	J-505
J5	MF	0.00	0.00	1,500.00	4,000.00	True	74.04	11.27	J-505
J-1054	MF	0.00	0.00	1,500.00	4,000.00	True	74.05	11.27	J-505
J-1047	MF	0.00	0.00	1,500.00	4,000.00	True	74.10	11.27	J-505
J-1053	MF	0.00	0.00	1,500.00	4,000.00	True	74.13	11.27	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Preferred (2044) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-757	MF	0.00	0.00	1,500.00	4,000.00	True	74.15	11.27	J-505
J-735	MF	0.00	0.00	1,500.00	4,000.00	True	74.18	11.27	J-505
J-1041	MF	0.00	0.00	1,500.00	4,000.00	True	74.20	11.27	J-505
J-623	MF	0.00	0.00	1,500.00	4,000.00	True	74.28	11.27	J-505
J-1044	MF	0.00	0.00	1,500.00	4,000.00	True	74.30	11.27	J-505
J-655	MF	0.00	0.00	1,500.00	3,654.58	True	74.31	11.27	J-505
GC-1	MF	0.00	0.00	1,500.00	4,000.00	True	74.34	11.27	J-505
J-1205	MF	0.00	0.00	1,500.00	4,000.00	True	74.36	11.27	J-505
J-736	MF	0.00	0.00	1,500.00	4,000.00	True	74.37	11.27	J-505
J-755	MF	0.00	0.00	1,500.00	4,000.00	True	74.40	11.27	J-505
J-1048	MF	0.00	0.00	1,500.00	4,000.00	True	74.43	11.27	J-505
J-562	MF	0.00	6.73	1,506.73	4,006.73	True	74.43	11.27	J-505
J-409	MF	0.00	0.00	1,500.00	4,000.00	True	74.53	11.27	J-505
J-1164.1	MF	0.00	0.00	1,500.00	4,000.00	True	74.61	11.27	J-505
J-1017	MF	0.00	0.00	1,500.00	4,000.00	True	74.66	11.27	J-505
J-608	MF	0.00	3.05	1,503.05	4,003.05	True	74.67	11.27	J-505
J-751	MF	0.00	0.00	1,500.00	4,000.00	True	74.68	11.27	J-505
J-737	MF	0.00	0.00	1,500.00	4,000.00	True	74.81	11.27	J-505
J-1009.1	MF	0.00	0.00	1,500.00	4,000.00	True	74.96	11.27	J-505
J6	MF	0.00	0.00	1,500.00	4,000.00	True	74.96	11.27	J-505
J-1004	MF	0.00	0.00	1,500.00	4,000.00	True	74.99	11.27	J-505
J-1037	MF	0.00	0.00	1,500.00	4,000.00	True	75.00	11.27	J-505
J-1023	MF	0.00	0.00	1,500.00	4,000.00	True	75.04	11.27	J-505
J-403	MF	0.00	0.00	1,500.00	4,000.00	True	75.04	11.27	J-505
J-1178	MF	0.00	0.00	1,500.00	4,000.00	True	75.09	11.27	J-505
J-423	MF	0.00	0.00	1,500.00	4,000.00	True	75.09	11.27	J-505
J-642	MF	0.00	0.00	1,500.00	4,000.00	True	75.11	11.27	J-505
J-384	MF	0.00	0.00	1,500.00	4,000.00	True	75.12	11.27	J-505
J-422	MF	0.00	0.00	1,500.00	4,000.00	True	75.13	11.27	J-505
J-1206	MF	0.00	0.00	1,500.00	4,000.00	True	75.14	11.27	J-505
J-404	MF	0.00	0.00	1,500.00	4,000.00	True	75.22	11.27	J-505
J-634	MF	0.00	0.00	1,500.00	4,000.00	True	75.23	11.27	J-505
J-1050	MF	0.00	0.00	1,500.00	4,000.00	True	75.24	11.27	J-505
J-427	MF	0.00	0.00	1,500.00	4,000.00	True	75.26	11.27	J-505
J-752	MF	0.00	0.00	1,500.00	4,000.00	True	75.39	11.27	J-505
J-495	MF	0.00	0.00	1,500.00	4,000.00	True	75.41	11.27	J-505
J-654	MF	0.00	0.00	1,500.00	3,787.62	True	75.46	11.27	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Preferred (2044) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-660	MF	0.00	0.00	1,500.00	3,718.12	True	75.46	11.27	J-505
J-1207	MF	0.00	4.98	1,504.98	4,004.98	True	75.52	11.27	J-505
J-738	MF	0.00	0.00	1,500.00	4,000.00	True	75.60	11.27	J-505
J-424	MF	0.00	0.00	1,500.00	4,000.00	True	75.65	11.27	J-505
J-401	MF	0.00	4.91	1,504.91	4,004.91	True	75.70	11.27	J-505
J-613	MF	0.00	0.00	1,500.00	4,000.00	True	75.70	11.27	J-505
J-1164	MF	0.00	4.89	1,504.89	4,004.89	True	75.71	11.27	J-505
J-1202	MF	0.00	4.98	1,504.98	4,004.98	True	75.71	11.27	J-505
J-408	MF	0.00	0.00	1,500.00	4,000.00	True	75.71	11.27	J-505
J-659	MF	0.00	0.00	1,500.00	3,760.87	True	75.75	11.27	J-505
J-501	MF	0.00	0.00	1,500.00	4,000.00	True	75.82	11.27	J-505
J-390	MF	0.00	0.00	1,500.00	4,000.00	True	75.83	11.27	J-505
J-1211	MF	0.00	0.00	1,500.00	4,000.00	True	75.85	11.27	J-505
J-620	MF	0.00	0.00	1,500.00	4,000.00	True	75.85	11.27	J-505
J-1180	MF	0.00	0.00	1,500.00	4,000.00	True	75.85	11.27	J-505
J-614	MF	0.00	0.00	1,500.00	4,000.00	True	75.86	11.27	J-505
J-242	MF	0.00	0.00	1,500.00	3,850.14	True	75.87	11.27	J-505
J-1182	MF	0.00	0.00	1,500.00	4,000.00	True	75.88	11.27	J-505
J-1046	MF	0.00	10.55	1,510.55	4,010.55	True	75.92	11.27	J-505
J-621	MF	0.00	0.00	1,500.00	4,000.00	True	75.93	11.27	J-505
J-1001	MF	0.00	0.00	1,500.00	4,000.00	True	75.97	11.27	J-505
J-603	MF	0.00	0.00	1,500.00	4,000.00	True	75.97	11.27	J-505
J-406	MF	0.00	0.00	1,500.00	4,000.00	True	76.00	11.27	J-505
J-400	MF	0.00	0.00	1,500.00	4,000.00	True	76.00	11.27	J-505
J-739	MF	0.00	0.00	1,500.00	4,000.00	True	76.06	11.27	J-505
J-648	MF	0.00	0.00	1,500.00	3,876.94	True	76.07	11.27	J-505
J-753	MF	0.00	0.00	1,500.00	4,000.00	True	76.09	11.27	J-505
J-1012	MF	0.00	0.00	1,500.00	4,000.00	True	76.29	11.27	J-505
J-1216	MF	0.00	0.00	1,500.00	4,000.00	True	76.37	11.27	J-505
J-1011	MF	0.00	0.00	1,500.00	4,000.00	True	76.37	11.27	J-505
J-241	MF	0.00	0.00	1,500.00	3,884.94	True	76.52	11.27	J-505
J-637	MF	0.00	0.00	1,500.00	4,000.00	True	76.54	11.27	J-505
J3	MF	0.00	0.00	1,500.00	4,000.00	True	76.56	11.27	J-505
J-1181	MF	0.00	4.89	1,504.89	4,004.89	True	76.58	11.27	J-505
J-1217	MF	0.00	0.00	1,500.00	4,000.00	True	76.58	11.27	J-505
J-557	MF	0.00	0.00	1,500.00	4,000.00	True	76.64	11.27	J-505
J-622	MF	0.00	0.00	1,500.00	4,000.00	True	76.64	11.27	J-505
J45	MF	0.00	0.00	1,500.00	4,000.00	True	76.66	11.27	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Preferred (2044) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-563	MF	0.00	6.73	1,506.73	4,006.73	True	76.74	11.27	J-505
J-612	MF	0.00	0.00	1,500.00	4,000.00	True	76.76	11.27	J-505
J-653	MF	0.00	0.00	1,500.00	3,921.89	True	76.77	11.27	J-505
J-1208	MF	0.00	0.00	1,500.00	4,000.00	True	76.78	11.27	J-505
J-740	MF	0.00	0.00	1,500.00	4,000.00	True	76.82	11.27	J-505
J-754	MF	0.00	0.00	1,500.00	4,000.00	True	76.86	11.27	J-505
J-1009.2	MF	0.00	0.00	1,500.00	4,000.00	True	76.88	11.27	J-505
J-742	MF	0.00	0.00	1,500.00	4,000.00	True	76.90	11.27	J-505
GC-3	MF	0.00	0.00	1,500.00	4,000.00	True	76.96	11.27	J-505
J-522	MF	0.00	4.55	1,504.55	3,490.35	True	76.96	11.27	J-505
J-425	MF	0.00	4.91	1,504.91	4,004.91	True	77.08	11.27	J-505
J-624	MF	0.00	0.00	1,500.00	4,000.00	True	77.09	11.27	J-505
J-1008.2	MF	0.00	0.00	1,500.00	4,000.00	True	77.13	11.27	J-505
J-1008.1	MF	0.00	0.00	1,500.00	4,000.00	True	77.19	11.27	J-505
J-552	MF	0.00	0.00	1,500.00	4,000.00	True	77.21	11.27	J-505
J-500	MF	0.00	0.00	1,500.00	4,000.00	True	77.29	11.27	J-505
J27	MF	0.00	0.00	1,500.00	4,000.00	True	77.34	11.27	J-505
J4	MF	0.00	0.00	1,500.00	4,000.00	True	77.35	11.27	J-505
J-491	MF	0.00	0.00	1,500.00	4,000.00	True	77.47	11.27	J-505
J-1220	MF	0.00	0.00	1,500.00	4,000.00	True	77.47	11.27	J-505
J-240	MF	0.00	0.00	1,500.00	3,937.03	True	77.50	11.27	J-505
J-1008	MF	0.00	7.98	1,507.98	4,007.98	True	77.54	11.27	J-505
J-667	MF	0.00	0.00	1,500.00	3,971.08	True	77.54	11.27	J-505
J-741	MF	0.00	6.97	1,506.97	4,006.97	True	77.55	11.27	J-505
J-625	MF	0.00	0.00	1,500.00	4,000.00	True	77.65	11.27	J-505
J-658	MF	0.00	0.00	1,500.00	3,959.27	True	77.66	11.27	J-505
J-635	MF	0.00	0.00	1,500.00	4,000.00	True	77.66	11.27	J-505
J-1188	MF	0.00	0.00	1,500.00	4,000.00	True	77.67	11.27	J-505
J-426	MF	0.00	0.00	1,500.00	4,000.00	True	77.72	11.27	J-505
J-1000	MF	0.00	0.00	1,500.00	4,000.00	True	77.75	11.27	J-505
J-304	MF	0.00	0.00	1,500.00	4,000.00	True	77.78	11.27	J-505
J-496	MF	0.00	0.00	1,500.00	4,000.00	True	77.88	11.27	J-505
J-610	MF	0.00	0.00	1,500.00	4,000.00	True	77.91	11.27	J-505
J-1016	MF	0.00	0.00	1,500.00	4,000.00	True	77.98	11.27	J-505
J-627	MF	0.00	0.00	1,500.00	4,000.00	True	78.03	11.27	J-505
J-743	MF	0.00	0.00	1,500.00	4,000.00	True	78.05	11.27	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Preferred (2044) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-628	MF	0.00	0.00	1,500.00	4,000.00	True	78.05	11.27	J-505
J-636	MF	0.00	0.00	1,500.00	4,000.00	True	78.07	11.27	J-505
J-611	MF	0.00	0.00	1,500.00	4,000.00	True	78.10	11.27	J-505
J-602	MF	0.00	0.00	1,500.00	4,000.00	True	78.12	11.27	J-505
J-633	MF	0.00	0.00	1,500.00	4,000.00	True	78.14	11.27	J-505
J-1215	MF	0.00	0.00	1,500.00	4,000.00	True	78.18	11.27	J-505
J-1210	MF	0.00	0.00	1,500.00	4,000.00	True	78.23	11.27	J-505
J-626	MF	0.00	0.00	1,500.00	4,000.00	True	78.26	11.27	J-505
J-601	MF	0.00	0.00	1,500.00	4,000.00	True	78.31	11.27	J-505
J-1219	MF	0.00	0.00	1,500.00	4,000.00	True	78.34	11.27	J-505
J-447	MF	0.00	0.00	1,500.00	4,000.00	True	78.41	11.27	J-505
J-1191	MF	0.00	4.75	1,504.75	4,004.75	True	78.48	11.27	J-505
J29	MF	0.00	0.00	1,500.00	4,000.00	True	78.56	11.27	J-505
J-645	MF	0.00	10.68	1,510.68	4,010.68	True	78.62	11.27	J-505
J-641	MF	0.00	0.00	1,500.00	4,000.00	True	78.63	11.27	J-505
J-640	MF	0.00	0.00	1,500.00	4,000.00	True	78.66	11.27	J-505
J-523	MF	0.00	4.55	1,504.55	3,521.96	True	78.68	11.27	J-505
J-666	MF	0.00	0.00	1,500.00	4,000.00	True	78.69	11.27	J-505
J-629	MF	0.00	0.00	1,500.00	4,000.00	True	78.74	11.27	J-505
J-1190	MF	0.00	0.00	1,500.00	4,000.00	True	78.74	11.27	J-505
J-302	MF	0.00	0.00	1,500.00	4,000.00	True	78.75	11.27	J-505
J-497	MF	0.00	0.00	1,500.00	4,000.00	True	78.77	11.27	J-505
J-303	MF	0.00	0.00	1,500.00	4,000.00	True	78.80	11.27	J-505
J-639	MF	0.00	0.00	1,500.00	4,000.00	True	78.88	11.27	J-505
J-646	MF	0.00	0.00	1,500.00	4,000.00	True	78.91	11.27	J-505
J-1194	MF	0.00	0.00	1,500.00	4,000.00	True	78.94	11.27	J-505
J-638	MF	0.00	0.00	1,500.00	4,000.00	True	78.99	11.27	J-505
J-267	MF	0.00	0.00	1,500.00	4,000.00	True	79.21	11.27	J-505
J14	MF	0.00	0.00	1,500.00	4,000.00	True	79.23	11.27	J-505
J-632	MF	0.00	0.00	1,500.00	4,000.00	True	79.28	11.27	J-505
J-564	MF	0.00	6.73	1,506.73	4,006.73	True	79.30	11.27	J-505
J-015	MF	0.00	0.00	1,500.00	4,000.00	True	79.34	11.27	J-505
J-600	MF	0.00	0.00	1,500.00	4,000.00	True	79.36	11.27	J-505
J-458	MF	0.00	0.00	1,500.00	4,000.00	True	79.36	11.27	J-505
J-1015	MF	0.00	7.98	1,507.98	4,007.98	True	79.41	11.27	J-505
J-488	MF	0.00	0.00	1,500.00	4,000.00	True	79.43	11.27	J-505
J-225	MF	0.00	6.90	1,506.90	4,006.90	True	79.46	11.27	J-505
J-490	MF	0.00	0.00	1,500.00	4,000.00	True	79.48	11.27	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Preferred (2044) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-1214	MF	0.00	0.00	1,500.00	4,000.00	True	79.50	11.27	J-505
J-647	MF	0.00	0.00	1,500.00	4,000.00	True	79.54	11.27	J-505
J-1187	MF	0.00	0.00	1,500.00	4,000.00	True	79.58	11.27	J-505
J-630	MF	0.00	0.00	1,500.00	4,000.00	True	79.62	11.27	J-505
J-631	MF	0.00	0.00	1,500.00	4,000.00	True	79.65	11.27	J-505
J-651	MF	0.00	0.00	1,500.00	4,000.00	True	79.68	11.27	J-505
J-1189	MF	0.00	0.00	1,500.00	4,000.00	True	79.71	11.27	J-505
J-1201	MF	0.00	0.00	1,500.00	4,000.00	True	79.72	11.27	J-505
J-550	MF	0.00	7.08	1,507.08	4,007.08	True	79.72	11.27	J-505
J-486	MF	0.00	0.00	1,500.00	4,000.00	True	79.74	11.27	J-505
J-1184	MF	0.00	4.75	1,504.75	4,004.75	True	79.83	11.27	J-505
J-239	MF	0.00	0.00	1,500.00	4,000.00	True	79.84	11.27	J-505
J-1200	MF	0.00	0.00	1,500.00	4,000.00	True	79.84	11.27	J-505
J-1183	MF	0.00	0.00	1,500.00	4,000.00	True	79.94	11.27	J-505
J-484	MF	0.00	0.00	1,500.00	4,000.00	True	80.06	11.27	J-505
J-665	MF	0.00	0.00	1,500.00	4,000.00	True	80.06	11.27	J-505
J-672	MF	0.00	0.00	1,500.00	4,000.00	True	80.08	11.27	J-505
J-509	MF	0.00	7.67	1,507.67	4,007.67	True	80.10	11.27	J-505
J-1198	MF	0.00	0.00	1,500.00	4,000.00	True	80.20	11.27	J-505
J-671	MF	0.00	0.00	1,500.00	4,000.00	True	80.25	11.27	J-505
J-266	MF	0.00	0.00	1,500.00	4,000.00	True	80.31	11.27	J-505
J31	MF	0.00	0.00	1,500.00	4,000.00	True	80.33	11.27	J-505
J-1195	MF	0.00	0.00	1,500.00	4,000.00	True	80.34	11.27	J-505
J-1197	MF	0.00	0.00	1,500.00	4,000.00	True	80.40	11.27	J-505
J46	MF	0.00	0.00	1,500.00	4,000.00	True	80.42	11.27	J-505
J53	MF	0.00	0.00	1,500.00	4,000.00	True	80.61	11.27	J-505
J-448	MF	0.00	0.00	1,500.00	4,000.00	True	80.64	11.27	J-505
J-1212	MF	0.00	0.00	1,500.00	4,000.00	True	80.69	11.27	J-505
J-508	MF	0.00	7.67	1,507.67	4,007.67	True	80.91	11.27	J-505
J-1196	MF	0.00	4.75	1,504.75	4,004.75	True	80.98	11.27	J-505
J-652	MF	0.00	0.00	1,500.00	4,000.00	True	80.99	11.27	J-505
J-1213	MF	0.00	4.98	1,504.98	4,004.98	True	81.11	11.27	J-505
J-656	MF	0.00	0.00	1,500.00	4,000.00	True	81.28	11.27	J-505
J-512	MF	0.00	6.22	1,506.22	4,006.22	True	81.32	11.27	J-505
J-498	MF	0.00	0.00	1,500.00	4,000.00	True	81.80	11.27	J-505
J-548	MF	0.00	7.08	1,507.08	4,007.08	True	81.81	11.27	J-505
J-238	MF	0.00	0.00	1,500.00	4,000.00	True	81.86	11.27	J-505
J39	MF	0.00	0.00	1,500.00	4,000.00	True	81.93	11.27	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Preferred (2044) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-467	MF	0.00	0.00	1,500.00	4,000.00	True	81.98	11.27	J-505
J-670	MF	0.00	0.00	1,500.00	4,000.00	True	82.06	11.27	J-505
J42	MF	0.00	0.00	1,500.00	4,000.00	True	82.30	11.27	J-505
J-255	MF	0.00	0.00	1,500.00	4,000.00	True	82.32	11.27	J-505
J-676	MF	0.00	0.00	1,500.00	4,000.00	True	82.37	11.27	J-505
J-549	MF	0.00	7.08	1,507.08	4,007.08	True	82.42	11.27	J-505
J10	MF	0.00	0.00	1,500.00	4,000.00	True	82.71	11.27	J-505
J-499	MF	0.00	0.00	1,500.00	4,000.00	True	82.85	11.27	J-505
J-558	MF	0.00	6.45	1,506.45	4,006.45	True	82.93	11.27	J-505
J-017	MF	0.00	0.00	1,500.00	4,000.00	True	83.01	11.27	J-505
J-657	MF	0.00	0.00	1,500.00	4,000.00	True	83.02	11.27	J-505
J-018	MF	0.00	0.00	1,500.00	4,000.00	True	83.06	11.27	J-505
J-661	MF	0.00	0.00	1,500.00	4,000.00	True	83.12	11.27	J-505
J32	MF	0.00	0.00	1,500.00	4,000.00	True	83.40	11.27	J-505
J26	MF	0.00	0.93	1,500.93	3,583.12	True	83.51	11.27	J-505
J-513	MF	0.00	6.22	1,506.22	4,006.22	True	83.57	11.27	J-505
J-662	MF	0.00	0.00	1,500.00	4,000.00	True	83.59	11.27	J-505
J-664	MF	0.00	0.00	1,500.00	4,000.00	True	83.72	11.27	J-505
J-483	MF	0.00	0.00	1,500.00	4,000.00	True	84.02	11.27	J-505
J-510	MF	0.00	7.67	1,507.67	4,007.67	True	84.19	11.27	J-505
J-663	MF	0.00	0.00	1,500.00	4,000.00	True	85.13	11.27	J-505
J-235	MF	0.00	0.00	1,500.00	4,000.00	True	85.16	11.27	J-505
J-521	MF	0.00	4.55	1,504.55	4,004.55	True	85.54	11.27	J-505
J48	MF	0.00	0.00	1,500.00	4,000.00	True	85.60	11.27	J-505
J-668	MF	0.00	0.00	1,500.00	4,000.00	True	86.13	11.27	J-505
J-669	MF	0.00	0.00	1,500.00	4,000.00	True	86.16	11.27	J-505
J-532	MF	0.00	2.95	1,502.95	4,002.95	True	86.21	11.27	J-505
J-673	MF	0.00	0.00	1,500.00	4,000.00	True	86.23	11.27	J-505
J28	MF	0.00	0.00	1,500.00	4,000.00	True	86.34	11.27	J-505
J41	MF	0.00	0.00	1,500.00	4,000.00	True	86.55	11.27	J-505
J-561	MF	0.00	6.73	1,506.73	4,006.73	True	86.83	11.27	J-505
J-41.1	MF	0.00	0.00	1,500.00	4,000.00	True	87.04	11.27	J-505
J-514	MF	0.00	6.22	1,506.22	4,006.22	True	87.11	11.27	J-505
J-674	MF	0.00	0.00	1,500.00	4,000.00	True	87.13	11.27	J-505
J-518	MF	0.00	3.86	1,503.86	4,003.86	True	87.16	11.27	J-505
J-551	MF	0.00	0.00	1,500.00	4,000.00	True	87.19	11.27	J-505
J-675	MF	0.00	0.00	1,500.00	4,000.00	True	87.32	11.27	J-505
J-533	MF	0.00	2.95	1,502.95	4,002.95	True	88.10	11.27	J-505

GBWC-PD 2024 IRP - Mountain Falls System

Preferred (2044) MDD+Fire Condition Distribution System Junction Report

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-677	MF	0.00	0.00	1,500.00	4,000.00	True	88.32	11.27	J-505
J-524	MF	0.00	0.00	1,500.00	4,000.00	True	88.36	11.27	J-505
J-678	MF	0.00	10.68	1,510.68	4,010.68	True	88.72	11.27	J-505
J25	MF	0.00	2.95	1,502.95	4,002.95	True	88.94	11.27	J-505
J-536	MF	0.00	3.16	1,503.16	4,003.16	True	89.24	11.27	J-505
J-545	MF	0.00	3.54	1,503.54	4,003.54	True	89.28	11.27	J-505
J47	MF	0.00	0.00	1,500.00	4,000.00	True	89.70	11.27	J-505
J-531	MF	0.00	2.95	1,502.95	4,002.95	True	90.15	11.27	J-505
J-519	MF	0.00	3.86	1,503.86	4,003.86	True	90.33	11.27	J-505
J-517	MF	0.00	3.86	1,503.86	4,003.86	True	90.39	11.27	J-505
J-527	MF	0.00	5.43	1,505.43	4,005.43	True	90.46	11.27	J-505
J-526	MF	0.00	5.43	1,505.43	4,005.43	True	90.74	11.27	J-505
J-547	MF	0.00	0.00	1,500.00	4,000.00	True	90.81	11.27	J-505
J-544	MF	0.00	3.54	1,503.54	4,003.54	True	90.82	11.27	J-505
J-559	MF	0.00	6.73	1,506.73	4,006.73	True	90.86	11.27	J-505
J37	MF	0.00	0.00	1,500.00	4,000.00	True	90.99	11.27	J-505
J-535	MF	0.00	3.16	1,503.16	4,003.16	True	91.11	11.27	J-505
J-537	MF	0.00	3.16	1,503.16	4,003.16	True	91.20	11.27	J-505
J36	MF	0.00	0.00	1,500.00	4,000.00	True	91.41	11.27	J-505
J-546	MF	0.00	0.00	1,500.00	4,000.00	True	91.52	11.27	J-505
J33	MF	0.00	0.00	1,500.00	4,000.00	True	91.54	11.27	J-505
J-528	MF	0.00	5.43	1,505.43	4,005.43	True	91.63	11.27	J-505
J-540	MF	0.00	3.75	1,503.75	4,003.75	True	91.94	11.27	J-505
J-511	MF	0.00	0.00	1,500.00	4,000.00	True	92.12	11.27	J-505
J-515	MF	0.00	0.00	1,500.00	4,000.00	True	92.25	11.27	J-505
J-541	MF	0.00	3.75	1,503.75	4,003.75	True	92.36	11.27	J-505
J-516	MF	0.00	0.00	1,500.00	4,000.00	True	92.48	11.27	J-505
J34	MF	0.00	0.00	1,500.00	4,000.00	True	92.49	11.27	J-505
J-538	MF	0.00	0.00	1,500.00	4,000.00	True	92.52	11.27	J-505
J-539	MF	0.00	3.75	1,503.75	4,003.75	True	92.73	11.27	J-505
J-016	MF	0.00	0.00	1,500.00	4,000.00	True	92.74	11.27	J-505
J-543	MF	0.00	0.00	1,500.00	4,000.00	True	93.18	11.27	J-505
J-542	MF	0.00	0.00	1,500.00	4,000.00	True	93.69	11.27	J-505
J49	MF	0.00	1.47	1,501.47	4,001.47	True	94.23	11.27	J-505
J-520	MF	0.00	0.00	1,500.00	4,000.00	True	94.23	11.27	J-505
J-525	MF	0.00	0.00	1,500.00	4,000.00	True	94.60	11.27	J-505
J11	MF	0.00	8.49	1,508.49	4,008.49	True	94.76	11.27	J-505
J-534	MF	0.00	0.00	1,500.00	4,000.00	True	94.93	11.27	J-505

**GBWC-PD 2024 IRP - Mountain Falls System
Preferred (2044) MDD+Fire Condition Distribution System Junction
Report**

MDD+Fire - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	Demand (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Satisfies Fire Flow Constraints?	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
J-529	MF	0.00	0.00	1,500.00	4,000.00	True	94.94	11.27	J-505
J-560	MF	0.00	6.73	1,506.73	4,006.73	True	95.03	11.27	J-505
J35	MF	0.00	0.00	1,500.00	4,000.00	True	95.13	11.27	J-505

GBWC-PD 2024 IRP - Mountain Falls System
Preferred (2044) PHD Condition Distribution System Junction Report
JCT-IRP - Time: 0.00 hours

Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1081	2,760.00	MF	0.00	2,841.24	35.15
J-1082	2,758.00	MF	15.13	2,847.72	38.82
J-1080	2,760.00	MF	0.00	2,858.36	42.56
J-1083	2,755.00	MF	0.00	2,860.32	45.57
J-1079	2,756.00	MF	0.00	2,863.29	46.42
J-1112	2,754.29	MF	0.00	2,866.17	48.40
J-1111	2,754.00	MF	0.00	2,878.79	53.99
J-1110	2,753.00	MF	0.00	2,878.79	54.42
J-1218	2,747.00	MF	0.00	2,863.29	50.31
J-1084	2,749.00	MF	0.00	2,869.21	52.01
J-1108	2,752.00	MF	0.00	2,878.79	54.86
J-1109	2,752.00	MF	0.00	2,878.79	54.86
J-1078	2,746.00	MF	0.00	2,863.29	50.74
J-1107	2,748.00	MF	0.00	2,878.79	56.59
J-556	2,760.00	MF	7.97	2,922.82	70.45
J-1106	2,746.00	MF	0.00	2,885.39	60.31
J-1103	2,747.00	MF	0.00	2,891.88	62.68
J-1104	2,747.00	MF	0.00	2,891.88	62.68
J-1105	2,747.00	MF	0.00	2,891.88	62.68
J-1085	2,742.00	MF	0.00	2,877.91	58.80
J-1124	2,750.00	MF	0.00	2,906.28	67.61
J-555	2,755.00	MF	7.97	2,922.77	72.59
J-1123	2,749.00	MF	0.00	2,906.28	68.05
J-1087	2,741.00	MF	0.00	2,887.81	63.52
J-1086	2,740.00	MF	15.13	2,887.81	63.95
J-1094	2,744.00	MF	0.00	2,900.11	67.54
J-553	2,752.00	MF	0.00	2,922.72	73.86
J-1120	2,746.00	MF	4.99	2,906.28	69.34
J-1122	2,746.00	MF	0.00	2,906.28	69.34
J-1091	2,743.00	MF	15.13	2,900.05	67.95
J-1093	2,743.00	MF	0.00	2,900.11	67.98
J-1121	2,745.00	MF	0.00	2,906.28	69.78
J-1088	2,739.00	MF	0.00	2,890.07	65.36
J8	2,748.00	MF	0.00	2,916.03	72.70
J5	2,750.00	MF	0.00	2,922.63	74.69
J-1066	2,749.00	MF	0.00	2,919.85	73.92
J-1098	2,742.00	MF	0.00	2,900.29	68.48
J-703	2,743.79	MF	0.00	2,906.00	70.18
J-704	2,743.64	MF	0.00	2,906.00	70.25
J-705	2,743.35	MF	0.00	2,906.00	70.37
J-1067	2,748.00	MF	0.00	2,919.85	74.35
J-1071	2,748.00	MF	0.00	2,919.88	74.36
J-554	2,749.00	MF	7.97	2,922.74	75.17
J-1102	2,741.00	MF	0.00	2,900.46	68.99
J-1119	2,743.00	MF	0.00	2,906.28	70.64

GBWC-PD 2024 IRP - Mountain Falls System
Preferred (2044) PHD Condition Distribution System Junction Report
JCT-IRP - Time: 0.00 hours

Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-712	2,742.56	MF	0.00	2,906.00	70.71
J-347	2,743.00	MF	0.00	2,907.72	71.27
J-702	2,742.22	MF	0.00	2,906.00	70.86
J-1092	2,740.00	MF	0.00	2,900.11	69.27
J-1070	2,747.00	MF	0.00	2,919.88	74.80
J-706	2,741.99	MF	0.00	2,906.00	70.96
J-1101	2,740.00	MF	0.00	2,900.46	69.42
J-1118	2,742.00	MF	0.00	2,906.25	71.07
J-711	2,741.87	MF	0.00	2,906.00	71.01
J-713	2,741.46	MF	0.00	2,906.00	71.19
J-707	2,741.15	MF	0.00	2,906.01	71.33
J6	2,747.00	MF	0.00	2,922.63	75.99
J-1074	2,746.00	MF	0.00	2,919.92	75.25
J-1097	2,739.00	MF	0.00	2,900.29	69.78
J17	2,740.72	MF	12.19	2,906.00	71.51
J-714	2,740.53	MF	0.00	2,906.01	71.59
J-501	2,746.00	MF	0.00	2,921.67	76.01
J-493	2,741.00	MF	0.00	2,907.61	72.08
J-708	2,740.39	MF	0.00	2,906.01	71.66
J-1062	2,745.00	MF	0.00	2,919.83	75.64
J-1069	2,745.00	MF	18.46	2,919.88	75.66
J3	2,746.00	MF	0.00	2,922.95	76.56
J-1117	2,740.00	MF	0.00	2,906.21	71.91
J-715	2,739.73	MF	0.00	2,906.01	71.94
J-557	2,745.67	MF	0.00	2,922.91	76.68
J-709	2,739.59	MF	0.00	2,906.01	72.00
J-563	2,745.25	MF	11.78	2,922.87	76.84
J-1063	2,744.00	MF	0.00	2,919.83	76.07
J-1065	2,744.00	MF	0.00	2,919.85	76.08
J-1073	2,744.00	MF	0.00	2,919.92	76.11
J-1095	2,737.00	MF	0.00	2,900.21	70.61
J-1096	2,737.00	MF	0.00	2,900.29	70.65
J-1099	2,737.00	MF	0.00	2,900.38	70.69
J-710	2,738.98	MF	0.00	2,906.01	72.27
J-1100	2,737.00	MF	0.00	2,900.46	70.72
J-1116	2,739.00	MF	4.99	2,906.21	72.34
GC-3	2,744.45	MF	0.00	2,922.78	77.16
J-1068	2,743.00	MF	0.00	2,919.87	76.52
J-1072	2,743.00	MF	0.00	2,919.92	76.54
J-716	2,738.06	MF	0.00	2,906.01	72.67
J-717	2,737.80	MF	0.00	2,906.02	72.78
J-726	2,737.80	MF	0.00	2,906.02	72.78
J-552	2,743.53	MF	0.00	2,922.69	77.51
J-727	2,737.20	MF	0.00	2,906.02	73.04
J-1138	2,737.00	MF	0.00	2,905.55	72.92

GBWC-PD 2024 IRP - Mountain Falls System
Preferred (2044) PHD Condition Distribution System Junction Report
JCT-IRP - Time: 0.00 hours

Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1159	2,737.00	MF	10.11	2,905.61	72.95
J-1161	2,737.00	MF	0.00	2,905.61	72.95
J-1153	2,737.00	MF	0.00	2,905.62	72.95
J-500	2,743.00	MF	0.00	2,922.60	77.70
J-1059	2,742.00	MF	0.00	2,919.80	76.93
J4	2,743.00	MF	0.00	2,922.63	77.72
J-1064	2,742.00	MF	0.00	2,919.84	76.94
J-1077	2,742.00	MF	0.00	2,919.94	76.99
J-718	2,737.02	MF	0.00	2,906.02	73.12
J-374	2,736.93	MF	0.00	2,905.98	73.14
J-719	2,736.92	MF	0.00	2,906.02	73.16
J-1113	2,737.00	MF	4.99	2,906.33	73.26
J-1137	2,736.00	MF	10.85	2,905.55	73.36
J-1139	2,736.00	MF	0.00	2,905.55	73.36
J-1141	2,736.00	MF	0.00	2,905.55	73.36
J-1160	2,736.00	MF	0.00	2,905.61	73.38
J-1158	2,736.00	MF	0.00	2,905.61	73.38
J-1154	2,736.00	MF	0.00	2,905.62	73.38
J-1060	2,741.00	MF	0.00	2,919.81	77.36
J-1061	2,741.00	MF	0.00	2,919.83	77.37
J-1115	2,736.00	MF	0.00	2,906.18	73.63
J-1114	2,736.00	MF	0.00	2,906.18	73.63
J-720	2,735.94	MF	0.00	2,906.02	73.59
J-1089	2,734.00	MF	0.00	2,900.61	72.08
J-1090	2,734.00	MF	0.00	2,900.78	72.16
J-370	2,736.00	MF	0.00	2,906.59	73.80
J-728	2,735.66	MF	0.00	2,906.02	73.71
J-1136	2,735.00	MF	0.00	2,905.55	73.79
J-1058	2,740.00	MF	0.00	2,919.80	77.79
J-729	2,735.09	MF	0.00	2,906.03	73.96
J-721	2,735.04	MF	0.00	2,906.02	73.98
J-1056	2,739.00	MF	0.00	2,919.61	78.14
J-1140	2,734.00	MF	0.00	2,905.55	74.22
J-1156	2,734.00	MF	10.11	2,905.61	74.25
J-1151	2,734.00	MF	0.00	2,905.62	74.25
J-1149	2,734.00	MF	0.00	2,905.62	74.25
J-1150	2,734.00	MF	0.00	2,905.62	74.25
J-1076	2,739.00	MF	0.00	2,919.98	78.30
J30	2,734.00	MF	0.00	2,905.92	74.38
J52	2,734.00	MF	0.00	2,905.98	74.41
J-730	2,733.82	MF	0.00	2,906.03	74.51
J-346	2,733.00	MF	0.00	2,905.46	74.61
J-1135	2,733.00	MF	0.00	2,905.55	74.66
J-1134	2,733.00	MF	0.00	2,905.56	74.66
J-1162	2,733.00	MF	0.00	2,905.61	74.68

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Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1155	2,733.00	MF	0.00	2,905.61	74.68
J-1152	2,733.00	MF	0.00	2,905.62	74.68
J-1148	2,733.00	MF	0.00	2,905.62	74.68
J-1057	2,738.00	MF	18.46	2,919.78	78.65
J-1039	2,738.00	MF	0.00	2,919.93	78.71
J-722	2,733.05	MF	12.19	2,906.03	74.84
J-731	2,732.58	MF	0.00	2,906.03	75.04
J-1040	2,737.00	MF	0.00	2,919.55	78.98
J-492	2,732.00	MF	0.00	2,905.46	75.05
J-1055	2,737.00	MF	0.00	2,919.61	79.01
J-1142	2,732.00	MF	0.00	2,905.55	75.09
J-1130	2,732.00	MF	0.00	2,905.56	75.09
J-1147	2,732.00	MF	0.00	2,905.62	75.12
J-1075	2,737.00	MF	0.00	2,919.86	79.11
J-1037	2,737.00	MF	0.00	2,919.93	79.15
J-732	2,732.02	MF	0.00	2,906.03	75.29
J-1049	2,736.00	MF	0.00	2,919.13	79.23
J-1041	2,736.00	MF	0.00	2,919.34	79.32
J-1051	2,736.00	MF	0.00	2,919.44	79.36
J-1053	2,736.00	MF	0.00	2,919.58	79.42
J-1054	2,736.00	MF	0.00	2,919.61	79.44
J-1143	2,731.00	MF	0.00	2,905.55	75.52
J-1038	2,736.00	MF	0.00	2,919.93	79.58
J27	2,736.00	MF	0.00	2,920.20	79.69
J-733	2,730.74	MF	0.00	2,906.03	75.84
J-723	2,730.64	MF	0.00	2,906.03	75.88
J-1042	2,735.00	MF	0.00	2,919.26	79.72
J-1050	2,735.00	MF	0.00	2,919.44	79.80
J-1052	2,735.00	MF	0.00	2,919.44	79.80
J-724	2,730.24	MF	0.00	2,906.03	76.06
J-1125	2,730.00	MF	10.85	2,905.55	75.95
J-1132	2,730.00	MF	0.00	2,905.56	75.96
J-1146	2,730.00	MF	10.11	2,905.62	75.98
J-1176	2,730.00	MF	0.00	2,905.81	76.06
J-491	2,735.00	MF	0.00	2,920.02	80.05
J-725	2,729.79	MF	0.00	2,906.04	76.25
J-744	2,729.58	MF	0.00	2,906.05	76.35
J-1045	2,734.00	MF	0.00	2,919.09	80.08
J-1047	2,734.00	MF	0.00	2,919.11	80.09
J-562	2,729.17	MF	11.78	2,905.51	76.29
J-1131	2,729.00	MF	0.00	2,905.56	76.39
J-1170	2,729.00	MF	0.00	2,905.81	76.50
GC-1	2,735.00	MF	0.00	2,922.95	81.32
J-1035	2,733.00	MF	0.00	2,917.38	79.77
J-734	2,728.87	MF	0.00	2,906.04	76.65

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J-745	2,728.65	MF	0.00	2,906.05	76.75
J-746	2,728.41	MF	0.00	2,906.05	76.86
J-1046	2,733.00	MF	18.46	2,919.02	80.48
J-1048	2,733.00	MF	0.00	2,919.13	80.53
J-1043	2,733.00	MF	0.00	2,919.17	80.55
J-304	2,733.00	MF	0.00	2,919.29	80.60
J-735	2,728.25	MF	0.00	2,906.04	76.92
J-1133	2,728.00	MF	0.00	2,905.56	76.82
J-1144	2,728.00	MF	0.00	2,905.61	76.84
J-1018	2,732.00	MF	0.00	2,917.38	80.21
J-736	2,727.74	MF	0.00	2,906.05	77.14
J-1044	2,732.00	MF	0.00	2,919.15	80.97
J-747	2,727.25	MF	0.00	2,906.05	77.36
J-384	2,727.00	MF	0.00	2,905.54	77.25
J-1126	2,727.00	MF	0.00	2,905.56	77.25
J-1127	2,727.00	MF	0.00	2,905.57	77.26
J-1157	2,727.00	MF	0.00	2,905.61	77.28
J-1173	2,727.00	MF	0.00	2,905.81	77.36
J-1032	2,731.00	MF	0.00	2,917.38	80.64
J-1036	2,731.00	MF	0.00	2,917.38	80.64
J-1019	2,731.00	MF	0.00	2,917.38	80.64
J-737	2,726.61	MF	0.00	2,906.05	77.63
J-495	2,726.00	MF	0.00	2,905.57	77.69
J-1128	2,726.00	MF	10.85	2,905.57	77.69
J-1145	2,726.00	MF	0.00	2,905.62	77.71
J-1168	2,726.00	MF	0.00	2,905.81	77.79
J-1169	2,726.00	MF	0.00	2,905.81	77.79
J-1033	2,730.00	MF	0.00	2,917.38	81.07
J-1034	2,730.00	MF	0.00	2,917.38	81.07
J-1029	2,730.00	MF	0.00	2,917.38	81.07
J29	2,730.00	MF	0.00	2,918.44	81.53
J-748	2,725.58	MF	0.00	2,906.06	78.08
J-302	2,730.00	MF	0.00	2,918.72	81.65
J-303	2,730.00	MF	0.00	2,918.82	81.69
J-1216	2,729.00	MF	0.00	2,916.08	80.94
J-1129	2,725.00	MF	0.00	2,905.57	78.12
J-390	2,725.00	MF	0.00	2,905.59	78.13
J-1167	2,725.00	MF	0.00	2,905.81	78.23
J-1172	2,725.00	MF	0.00	2,905.81	78.23
J-1030	2,729.00	MF	0.00	2,917.38	81.50
J-1020	2,729.00	MF	11.69	2,917.38	81.50
J-1017	2,729.00	MF	0.00	2,917.39	81.51
J-1022	2,729.00	MF	0.00	2,917.38	81.51
J-738	2,724.75	MF	0.00	2,906.05	78.44
J-1217	2,728.00	MF	0.00	2,916.30	81.47

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Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1174	2,724.00	MF	0.00	2,905.81	78.66
J-1031	2,728.00	MF	11.69	2,917.38	81.94
J-1026	2,728.00	MF	0.00	2,917.38	81.94
J-1028	2,728.00	MF	0.00	2,917.38	81.94
J-1027	2,728.00	MF	0.00	2,917.38	81.94
J-749	2,723.86	MF	0.00	2,906.06	78.83
J-739	2,723.70	MF	0.00	2,906.06	78.90
J45	2,723.00	MF	0.00	2,905.61	79.01
J-1163	2,723.00	MF	0.00	2,905.61	79.01
J-1006	2,726.00	MF	0.00	2,914.14	81.40
J-1005	2,726.00	MF	0.00	2,914.16	81.41
J-1164.1	2,723.00	MF	0.00	2,905.81	79.09
J-1165	2,723.00	MF	0.00	2,905.81	79.09
J-1166	2,723.00	MF	0.00	2,905.81	79.09
J-1171	2,723.00	MF	8.55	2,905.81	79.09
J-227	2,723.02	MF	0.00	2,906.06	79.19
J-759	2,722.99	MF	0.00	2,906.06	79.21
J-1024	2,727.00	MF	11.69	2,917.38	82.37
J-1023	2,727.00	MF	0.00	2,917.38	82.37
J-1021	2,727.00	MF	0.00	2,917.38	82.37
J-267	2,727.00	MF	0.00	2,917.39	82.37
J-228	2,722.82	MF	0.00	2,906.06	79.28
J-756	2,722.60	MF	0.00	2,906.06	79.38
J-750	2,722.52	MF	0.00	2,906.06	79.41
J-564	2,726.27	MF	11.78	2,917.02	82.53
J-742	2,722.24	MF	0.00	2,906.06	79.53
J-758	2,722.13	MF	0.00	2,906.06	79.58
J-1002	2,725.00	MF	0.00	2,914.20	81.86
J-1003	2,725.00	MF	0.00	2,914.20	81.86
J-1011	2,725.00	MF	0.00	2,914.26	81.88
J-740	2,722.09	MF	0.00	2,906.06	79.59
J-1164	2,722.00	MF	8.55	2,905.81	79.52
J-1009	2,725.00	MF	13.96	2,914.26	81.89
J-1175	2,722.00	MF	0.00	2,905.81	79.53
J-1025	2,726.00	MF	0.00	2,917.38	82.80
J-751	2,721.63	MF	0.00	2,906.06	79.79
J-755	2,721.63	MF	0.00	2,906.06	79.80
J-757	2,721.54	MF	0.00	2,906.06	79.83
J-488	2,725.00	MF	0.00	2,916.30	82.77
J-490	2,725.00	MF	0.00	2,916.40	82.81
J-1007	2,724.00	MF	0.00	2,914.11	82.25
J-1012	2,724.00	MF	0.00	2,914.17	82.28
J-1013	2,724.00	MF	0.00	2,914.17	82.28
J-1220	2,721.00	MF	0.00	2,905.79	79.95
J-1009.2	2,724.00	MF	0.00	2,914.27	82.32

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Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1177	2,721.00	MF	0.00	2,905.82	79.96
J-1178	2,721.00	MF	0.00	2,905.82	79.96
J-1179	2,721.00	MF	0.00	2,905.82	79.96
J-1180	2,721.00	MF	0.00	2,905.83	79.97
J-752	2,720.99	MF	0.00	2,906.06	80.07
J-741	2,720.59	MF	12.19	2,906.06	80.25
J-753	2,720.47	MF	0.00	2,906.06	80.30
J-486	2,724.00	MF	0.00	2,916.08	83.11
J-430	2,720.46	MF	0.00	2,906.13	80.33
J-496	2,720.00	MF	0.00	2,905.70	80.35
J-1014	2,723.00	MF	0.00	2,914.17	82.71
J-1009.1	2,723.00	MF	0.00	2,914.27	82.75
J-1182	2,720.00	MF	0.00	2,905.82	80.40
J-1181	2,720.00	MF	8.55	2,905.83	80.40
J-754	2,720.03	MF	0.00	2,906.06	80.49
J-429	2,720.03	MF	0.00	2,906.13	80.52
J-1193	2,720.00	MF	0.00	2,906.09	80.51
J-743	2,719.69	MF	0.00	2,906.07	80.64
J-1219	2,719.00	MF	0.00	2,905.65	80.75
J-1008.1	2,722.00	MF	0.00	2,914.14	83.13
J-1001	2,722.00	MF	0.00	2,914.20	83.16
J-1000	2,722.00	MF	0.00	2,914.21	83.16
J-1010	2,722.00	MF	0.00	2,914.26	83.18
J-447	2,718.99	MF	0.00	2,905.86	80.85
J-428	2,718.69	MF	0.00	2,906.13	81.10
J-497	2,718.22	MF	0.00	2,905.88	81.19
J-1008.2	2,721.00	MF	0.00	2,913.83	83.43
J-1008	2,721.00	MF	13.96	2,914.09	83.54
J-1004	2,721.00	MF	0.00	2,914.19	83.59
J-484	2,721.00	MF	0.00	2,914.32	83.64
J-427	2,718.05	MF	0.00	2,906.13	81.37
J-1186	2,718.00	MF	0.00	2,906.05	81.36
J-1192	2,718.00	MF	0.00	2,906.09	81.38
J-426	2,717.66	MF	0.00	2,906.12	81.54
J-015	2,717.50	MF	0.00	2,906.10	81.60
J-458	2,717.45	MF	0.00	2,906.09	81.62
J-266	2,720.00	MF	0.00	2,913.91	83.89
J14	2,717.17	MF	0.00	2,906.07	81.73
J53	2,720.00	MF	0.00	2,914.40	84.11
J-425	2,717.03	MF	8.59	2,906.13	81.81
J-1185	2,717.00	MF	0.00	2,906.05	81.79
J-1188	2,717.00	MF	0.00	2,906.08	81.80
J-1191	2,717.00	MF	8.31	2,906.09	81.81
J-1204	2,717.00	MF	0.00	2,906.20	81.86
J-421	2,716.98	MF	0.00	2,906.33	81.92

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Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1016	2,719.00	MF	0.00	2,914.00	84.37
J-1215	2,719.00	MF	0.00	2,914.00	84.37
J-1190	2,716.00	MF	0.00	2,906.09	82.24
J-1203	2,716.00	MF	0.00	2,906.20	82.29
J-1205	2,716.00	MF	0.00	2,906.20	82.29
J-419	2,715.72	MF	0.00	2,906.33	82.47
J-420	2,715.33	MF	0.00	2,906.33	82.64
J-1015	2,718.00	MF	13.96	2,914.00	84.80
J31	2,715.00	MF	0.00	2,905.97	82.62
J-424	2,715.00	MF	0.00	2,906.19	82.72
J-418	2,714.86	MF	0.00	2,906.33	82.84
J-448	2,714.53	MF	0.00	2,906.02	82.85
J-619	2,714.74	MF	0.00	2,907.11	83.23
J-416	2,714.27	MF	0.00	2,906.33	83.10
J-550	2,716.00	MF	12.39	2,911.30	84.50
J-1183	2,714.00	MF	0.00	2,906.05	83.09
J-1184	2,714.00	MF	8.31	2,906.05	83.09
J-1187	2,714.00	MF	0.00	2,906.05	83.09
J-1189	2,714.00	MF	0.00	2,906.08	83.11
J-1199	2,714.00	MF	0.00	2,906.09	83.11
J-1202	2,714.00	MF	8.71	2,906.20	83.15
J-417	2,713.82	MF	0.00	2,906.33	83.29
J-413	2,713.65	MF	0.00	2,906.33	83.36
J-618	2,713.79	MF	0.00	2,907.11	83.64
J-607	2,713.59	MF	18.69	2,906.79	83.59
J-606	2,713.51	MF	0.00	2,906.79	83.62
J-415	2,713.32	MF	0.00	2,906.33	83.51
J-423	2,713.02	MF	0.00	2,906.24	83.60
J-1200	2,713.00	MF	0.00	2,906.19	83.58
J-1209	2,713.00	MF	0.00	2,906.23	83.60
J-617	2,713.00	MF	0.00	2,907.11	83.98
J-255	2,715.00	MF	0.00	2,913.42	85.85
J-605	2,712.59	MF	0.00	2,906.79	84.02
J-414	2,712.14	MF	0.00	2,906.33	84.02
J-1194	2,712.00	MF	0.00	2,906.07	83.96
J-1198	2,712.00	MF	0.00	2,906.09	83.97
J-1197	2,712.00	MF	0.00	2,906.09	83.97
J-1196	2,712.00	MF	8.31	2,906.09	83.97
J-498	2,712.00	MF	0.00	2,906.11	83.98
J39	2,712.00	MF	0.00	2,906.15	84.00
J-1201	2,712.00	MF	0.00	2,906.19	84.02
J-1206	2,712.00	MF	0.00	2,906.21	84.03
J-1207	2,712.00	MF	8.71	2,906.22	84.03
J-616	2,712.23	MF	0.00	2,907.11	84.32
J-467	2,711.86	MF	0.00	2,906.16	84.06

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Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-422	2,711.35	MF	0.00	2,906.29	84.34
J-604	2,711.43	MF	0.00	2,906.79	84.52
J-412	2,711.26	MF	0.00	2,906.33	84.40
J-403	2,711.20	MF	0.00	2,906.40	84.45
J42	2,710.96	MF	0.00	2,906.13	84.44
J-608	2,710.98	MF	5.34	2,906.79	84.72
J-615	2,711.09	MF	0.00	2,907.11	84.81
J-613	2,710.95	MF	0.00	2,907.10	84.87
J-404	2,710.64	MF	0.00	2,906.39	84.69
J-401	2,710.61	MF	8.59	2,906.44	84.73
J-603	2,710.50	MF	0.00	2,906.79	84.93
J-410	2,710.26	MF	8.59	2,906.33	84.83
J-400	2,710.26	MF	0.00	2,906.46	84.88
J-612	2,710.45	MF	0.00	2,907.08	85.07
J-1195	2,710.00	MF	0.00	2,906.08	84.84
J-1214	2,710.00	MF	0.00	2,906.23	84.90
J-1208	2,710.00	MF	0.00	2,906.23	84.90
J-1210	2,710.00	MF	0.00	2,906.24	84.91
J-614	2,710.22	MF	0.00	2,907.11	85.19
J-610	2,710.07	MF	0.00	2,906.85	85.14
J-508	2,710.00	MF	13.42	2,906.65	85.08
J-620	2,710.07	MF	0.00	2,907.12	85.26
J-409	2,709.74	MF	0.00	2,906.33	85.06
J-602	2,709.81	MF	0.00	2,906.80	85.23
J-621	2,709.92	MF	0.00	2,907.14	85.33
J-601	2,709.58	MF	0.00	2,906.77	85.31
J-231	2,709.41	MF	0.00	2,906.33	85.20
J-411	2,709.35	MF	0.00	2,906.33	85.22
J-408	2,709.31	MF	0.00	2,906.33	85.24
J-017	2,709.20	MF	0.00	2,906.11	85.19
J-499	2,709.23	MF	0.00	2,906.27	85.25
J-611	2,709.51	MF	0.00	2,907.06	85.47
J-600	2,709.32	MF	0.00	2,906.61	85.36
J-018	2,709.10	MF	0.00	2,906.11	85.24
J-1211	2,709.00	MF	0.00	2,906.24	85.34
J-1212	2,709.00	MF	0.00	2,906.26	85.34
J-1213	2,709.00	MF	8.71	2,906.26	85.34
J-627	2,709.28	MF	0.00	2,907.07	85.58
J-623	2,709.24	MF	0.00	2,907.15	85.63
J10	2,709.00	MF	0.00	2,906.65	85.51
J38	2,711.00	MF	6.19	2,912.72	87.28
J-406	2,708.62	MF	0.00	2,906.35	85.55
J-405	2,708.62	MF	0.00	2,906.39	85.56
J-229	2,708.52	MF	0.00	2,906.39	85.61
J-622	2,708.73	MF	0.00	2,907.15	85.85

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JCT-IRP - Time: 0.00 hours

Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J32	2,708.00	MF	0.00	2,906.32	85.80
J-624	2,708.27	MF	0.00	2,907.16	86.05
J-628	2,708.23	MF	0.00	2,907.12	86.05
J-634	2,708.13	MF	0.00	2,907.31	86.18
J-402	2,707.77	MF	0.00	2,906.44	85.96
J-625	2,707.80	MF	0.00	2,907.17	86.26
J-243	2,707.43	MF	0.00	2,906.44	86.10
J-635	2,707.67	MF	0.00	2,907.31	86.37
J-407	2,707.28	MF	0.00	2,906.35	86.13
J-649	2,707.58	MF	0.00	2,907.29	86.41
J-230	2,707.22	MF	0.00	2,906.35	86.15
J-650	2,707.43	MF	0.00	2,907.29	86.47
J-629	2,707.26	MF	0.00	2,907.17	86.49
J-626	2,707.21	MF	0.00	2,907.18	86.52
J-637	2,707.21	MF	0.00	2,907.31	86.57
J-633	2,707.20	MF	0.00	2,907.31	86.58
J-549	2,708.00	MF	12.39	2,909.61	87.23
J-636	2,707.00	MF	0.00	2,907.31	86.66
J-483	2,706.66	MF	0.00	2,906.35	86.40
J-630	2,706.61	MF	0.00	2,907.20	86.78
J-632	2,706.64	MF	0.00	2,907.31	86.82
J-631	2,706.35	MF	0.00	2,907.31	86.95
J-638	2,706.24	MF	0.00	2,907.31	86.99
J-639	2,705.89	MF	0.00	2,907.31	87.14
J46	2,705.74	MF	0.00	2,907.32	87.21
J-642	2,705.39	MF	0.00	2,907.30	87.36
J-640	2,705.31	MF	0.00	2,907.30	87.39
J-641	2,704.48	MF	0.00	2,907.30	87.75
J-235	2,703.94	MF	0.00	2,906.49	87.64
J-645	2,704.13	MF	18.69	2,907.29	87.90
J-225	2,705.00	MF	12.07	2,912.72	89.87
J-558	2,705.00	MF	11.29	2,912.72	89.87
J28	2,705.00	MF	0.00	2,912.72	89.87
J-646	2,702.12	MF	0.00	2,907.29	88.77
J-648	2,701.28	MF	0.00	2,907.29	89.13
J-242	2,701.21	MF	0.00	2,907.29	89.16
J48	2,701.00	MF	0.00	2,906.71	89.00
J-512	2,701.00	MF	10.88	2,906.81	89.05
J-551	2,701.95	MF	0.00	2,911.53	90.67
J-647	2,700.44	MF	0.00	2,907.29	89.49
J-509	2,700.00	MF	13.42	2,906.77	89.46
J-651	2,700.16	MF	0.00	2,907.29	89.62
J-655	2,699.78	MF	0.00	2,907.29	89.78
J-654	2,699.69	MF	0.00	2,907.29	89.82
J-653	2,699.20	MF	0.00	2,907.29	90.03

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Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-241	2,699.07	MF	0.00	2,907.29	90.09
J-659	2,698.25	MF	0.00	2,907.28	90.44
J-652	2,698.16	MF	0.00	2,907.29	90.48
J-513	2,698.00	MF	10.88	2,906.96	90.41
J-660	2,698.08	MF	0.00	2,907.28	90.51
J-667	2,698.07	MF	0.00	2,907.28	90.52
J-666	2,697.98	MF	0.00	2,907.28	90.56
J-656	2,697.79	MF	0.00	2,907.29	90.64
J-561	2,697.49	MF	11.78	2,906.77	90.54
J-658	2,697.62	MF	0.00	2,907.28	90.71
J-240	2,697.52	MF	0.00	2,907.28	90.76
J-665	2,697.45	MF	0.00	2,907.28	90.78
J-548	2,698.00	MF	12.39	2,908.85	91.22
J-239	2,697.30	MF	0.00	2,907.28	90.85
J-662	2,696.93	MF	0.00	2,907.28	91.01
J-661	2,696.43	MF	0.00	2,907.28	91.23
J-664	2,696.31	MF	0.00	2,907.28	91.28
J-663	2,696.14	MF	0.00	2,907.28	91.35
J-657	2,696.08	MF	0.00	2,907.28	91.38
J-514	2,695.50	MF	10.88	2,907.07	91.54
J41	2,695.25	MF	0.00	2,907.28	91.74
J-510	2,695.00	MF	13.42	2,906.91	91.68
J-41.1	2,694.61	MF	0.00	2,907.15	91.96
J-671	2,694.57	MF	0.00	2,907.47	92.11
J-672	2,694.37	MF	0.00	2,907.47	92.20
J-670	2,693.83	MF	0.00	2,907.47	92.43
J-238	2,693.71	MF	0.00	2,907.47	92.48
J-668	2,693.50	MF	0.00	2,907.40	92.54
J47	2,694.00	MF	0.00	2,910.03	93.47
J-676	2,692.54	MF	0.00	2,907.69	93.09
J-669	2,692.34	MF	0.00	2,907.47	93.08
J-673	2,691.84	MF	0.00	2,907.50	93.30
J37	2,690.00	MF	0.00	2,909.68	95.05
J-521	2,689.00	MF	7.97	2,907.17	94.39
J-518	2,689.00	MF	6.75	2,907.22	94.41
J-559	2,689.65	MF	11.78	2,909.37	95.06
J-674	2,689.04	MF	0.00	2,907.67	94.59
J-675	2,688.66	MF	0.00	2,907.69	94.76
J-545	2,688.51	MF	6.19	2,908.00	94.96
J36	2,688.21	MF	0.00	2,908.14	95.15
J-547	2,687.85	MF	0.00	2,908.13	95.31
J-546	2,687.70	MF	0.00	2,908.06	95.34
J33	2,687.00	MF	0.00	2,906.97	95.17
J-517	2,687.00	MF	6.75	2,907.17	95.26
J-522	2,687.00	MF	7.97	2,907.21	95.27

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JCT-IRP - Time: 0.00 hours

Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-016	2,686.40	MF	0.00	2,906.11	95.06
J-678	2,687.01	MF	18.69	2,907.86	95.55
J-677	2,686.94	MF	0.00	2,907.78	95.55
J-511	2,686.20	MF	0.00	2,907.02	95.54
J-515	2,685.97	MF	0.00	2,907.04	95.65
J-536	2,685.88	MF	5.53	2,907.64	95.94
J-537	2,685.00	MF	5.53	2,907.76	96.38
J-535	2,684.83	MF	5.53	2,907.52	96.35
J-516	2,684.56	MF	0.00	2,907.16	96.31
J-544	2,684.70	MF	6.19	2,907.77	96.51
J-538	2,684.41	MF	0.00	2,907.79	96.64
J34	2,684.00	MF	0.00	2,907.19	96.56
J-519	2,684.00	MF	6.75	2,907.28	96.60
J-523	2,683.00	MF	7.97	2,907.31	97.05
J-543	2,682.65	MF	0.00	2,907.72	97.38
J-524	2,682.00	MF	0.00	2,907.40	97.52
J-542	2,681.21	MF	0.00	2,907.61	97.96
J-526	2,681.00	MF	9.50	2,907.36	97.94
J-541	2,680.52	MF	6.56	2,907.60	98.25
J-520	2,679.84	MF	0.00	2,907.32	98.42
J-525	2,679.04	MF	0.00	2,907.36	98.78
J-534	2,678.54	MF	0.00	2,907.49	99.06
J-529	2,678.35	MF	0.00	2,907.40	99.10
J-560	2,678.27	MF	11.78	2,907.46	99.16
J35	2,678.00	MF	0.00	2,907.43	99.26
J-539	2,678.00	MF	6.56	2,907.50	99.30
J-527	2,677.00	MF	9.50	2,907.37	99.67
J-540	2,677.00	MF	6.56	2,907.54	99.74
J-532	2,676.00	MF	5.17	2,907.42	100.12
J-528	2,675.00	MF	9.50	2,907.38	100.54
J-531	2,675.00	MF	5.17	2,907.42	100.56
J-533	2,673.00	MF	5.17	2,907.42	101.42
J25	2,672.00	MF	5.15	2,907.42	101.85
J49	2,671.50	MF	2.58	2,907.42	102.07
J11	2,671.50	MF	14.86	2,907.42	102.07
J26	2,671.00	MF	1.63	2,907.42	102.29
J50	2,669.00	MF	2.77	2,907.42	103.15

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Preferred (2044) PHD Condition Distribution System Pipe Report
Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-329	339	18.0	3,479.27	4.39	0.46	130.0
P-1293	36	6.0	2,625.00	29.79	18.50	120.0
P-507	535	12.0	2,457.45	6.97	8.31	120.0
P-826	82	12.0	2,457.45	6.97	1.27	120.0
P-827	363	12.0	2,457.45	6.97	5.64	120.0
P-1117	156	8.0	1,630.20	10.41	8.17	120.0
P-1120	124	8.0	1,630.20	10.41	6.49	120.0
P-1121	126	8.0	1,630.20	10.41	6.60	120.0
P-1125.1	241	8.0	1,630.19	10.41	12.62	120.0
P-1093	327	8.0	1,630.19	10.41	17.13	120.0
P-1092	94	8.0	1,630.19	10.41	4.92	120.0
P-1104	170	8.0	1,503.71	9.60	7.67	120.0
P-504	158	12.0	1,005.24	2.85	0.47	120.0
P-1380	41	12.0	953.74	2.71	0.11	120.0
P-1381	379	12.0	953.74	2.71	1.02	120.0
P-533	414	12.0	719.79	2.04	0.66	120.0
P-669	331	12.0	349.49	0.99	0.14	120.0
P-354	492	12.0	298.11	0.85	0.15	120.0
P-538	180	12.0	285.44	0.81	0.05	120.0
P-670	163	12.0	249.24	0.71	0.04	120.0
P-1127	179	8.0	233.94	1.49	0.26	120.0
P-1046	188	8.0	231.30	1.48	0.26	120.0
P-1049	272	8.0	231.30	1.48	0.38	120.0
P-1050	147	8.0	231.30	1.48	0.21	120.0
P-1130	157	8.0	218.95	1.40	0.20	120.0
P-1060	244	8.0	212.85	1.36	0.29	120.0
P-1000	201	8.0	186.98	1.19	0.19	120.0
P-1011	312	8.0	173.01	1.10	0.26	120.0
P-1012	494	8.0	173.01	1.10	0.41	120.0
P-361	198	8.0	153.29	0.98	0.13	120.0
P-1128	229	8.0	152.25	0.97	0.15	120.0
P-1129	7	8.0	152.25	0.97	0.00	120.0
P-1009	111	8.0	147.58	0.94	0.07	120.0
P-1010	90	8.0	147.58	0.94	0.05	120.0
P-1013	220	8.0	147.14	0.94	0.13	120.0
P-1018	15	8.0	133.17	0.85	0.01	120.0
P-1019	178	8.0	133.17	0.85	0.09	120.0
P-1022	336	8.0	133.17	0.85	0.17	120.0
P-1374	76	12.0	132.66	0.38	0.01	120.0
P-808	279	12.0	131.61	0.37	0.02	120.0
P-809	34	12.0	131.61	0.37	0.00	120.0
P-1023	219	8.0	119.19	0.76	0.09	120.0
P-1052	262	8.0	109.08	0.70	0.09	120.0
P-1053	68	8.0	109.08	0.70	0.02	120.0
P-1054	155	8.0	109.08	0.70	0.05	120.0
P-1051	228	8.0	109.08	0.70	0.08	120.0

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Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1055	208	8.0	109.08	0.70	0.07	120.0
P-1375	437	12.0	103.08	0.29	0.02	120.0
P-37	146	6.0	92.26	1.05	0.15	120.0
P-341	104	12.0	78.69	0.22	0.00	120.0
P-1140	284	8.0	76.70	0.49	0.05	120.0
P-43	266	8.0	75.06	0.48	0.05	120.0
P-44	256	8.0	75.06	0.48	0.04	120.0
P-45	312	8.0	75.06	0.48	0.05	120.0
P-46	321	8.0	75.06	0.48	0.06	120.0
P-342	280	12.0	71.10	0.20	0.01	120.0
P-348	154	12.0	68.66	0.19	0.00	120.0
P-1088	284	8.0	67.60	0.43	0.04	120.0
P-1089	139	8.0	67.60	0.43	0.02	120.0
P-626	57	8.0	66.46	0.42	0.01	120.0
P-627	123	8.0	66.46	0.42	0.02	120.0
P-624	71	8.0	66.46	0.42	0.01	120.0
P-625	73	8.0	66.46	0.42	0.01	120.0
P-622	100	8.0	66.45	0.42	0.01	120.0
P-621	107	8.0	66.45	0.42	0.01	120.0
P-620	59	8.0	66.45	0.42	0.01	120.0
P-48	129	8.0	66.47	0.42	0.02	120.0
P-47	93	8.0	66.47	0.42	0.01	120.0
P-537	258	12.0	66.49	0.19	0.01	120.0
P-016	343	12.0	66.19	0.19	0.01	120.0
P-017	335	12.0	66.19	0.19	0.01	120.0
P-018	11	12.0	66.19	0.19	0.00	120.0
P-343	153	12.0	58.91	0.17	0.00	120.0
P-1241	332	8.0	53.37	0.34	0.03	120.0
P-1242	424	8.0	53.37	0.34	0.04	120.0
P-36	329	6.0	51.38	0.58	0.12	120.0
P-303	1,148	12.0	42.49	0.12	0.01	120.0
P-845	619	8.0	41.44	0.26	0.02	150.0
P-1001	140	8.0	39.40	0.25	0.01	120.0
P-1004	156	8.0	39.40	0.25	0.01	120.0
P-1005	608	8.0	39.40	0.25	0.03	120.0
P-1006	405	8.0	39.40	0.25	0.02	120.0
P-1007	639	8.0	39.40	0.25	0.03	120.0
P-1008	371	8.0	39.40	0.25	0.02	120.0
P-1204	121	8.0	35.53	0.23	0.01	120.0
P-1205	354	8.0	35.53	0.23	0.02	120.0
P-25	78	8.0	32.89	0.21	0.00	120.0
P-24	42	8.0	32.89	0.21	0.00	120.0
P-19	54	8.0	32.89	0.21	0.00	120.0
P-20	108	8.0	32.89	0.21	0.00	120.0
P-21	108	8.0	32.89	0.21	0.00	120.0
P-22	54	8.0	32.89	0.21	0.00	120.0

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Preferred (2044) PHD Condition Distribution System Pipe Report
Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1031	211	8.0	23.38	0.15	0.00	120.0
P-335(1)	173	8.0	23.37	0.15	0.00	120.0
P-340	123	8.0	22.01	0.14	0.00	120.0
P-339	130	8.0	22.01	0.14	0.00	120.0
P-1223	101	8.0	20.45	0.13	0.00	120.0
P-1224	59	8.0	20.45	0.13	0.00	120.0
P-1226	297	8.0	20.45	0.13	0.00	120.0
P-23	226	8.0	19.51	0.12	0.00	120.0
P-604	129	8.0	18.69	0.12	0.00	120.0
P-603	94	8.0	18.69	0.12	0.00	120.0
P-607	18	8.0	18.69	0.12	0.00	120.0
P-606	161	8.0	18.69	0.12	0.00	120.0
P-605	117	8.0	18.69	0.12	0.00	120.0
P-861	238	8.0	15.50	0.10	0.00	150.0
P-1165	333	8.0	15.41	0.10	0.00	120.0
P-1166	266	8.0	15.41	0.10	0.00	120.0
P-1169	134	8.0	15.41	0.10	0.00	120.0
P-1170	153	8.0	15.41	0.10	0.00	120.0
P-1173	50	8.0	15.41	0.10	0.00	120.0
P-1174	236	8.0	15.41	0.10	0.00	120.0
P-1148	186	8.0	14.25	0.09	0.00	120.0
P-1150	282	8.0	14.25	0.09	0.00	120.0
P-1151	417	8.0	14.24	0.09	0.00	120.0
P-1147	141	8.0	14.25	0.09	0.00	120.0
P-1153	418	8.0	14.24	0.09	0.00	120.0
P-1152	417	8.0	14.24	0.09	0.00	120.0
P-1154	230	8.0	14.24	0.09	0.00	120.0
P-16	42	8.0	14.20	0.09	0.00	120.0
P-17	264	8.0	14.20	0.09	0.00	120.0
P-18	299	8.0	14.20	0.09	0.00	120.0
P-15	311	8.0	14.19	0.09	0.00	120.0
P-13	287	8.0	14.19	0.09	0.00	120.0
P-14	52	8.0	14.19	0.09	0.00	120.0
P-12	54	8.0	14.18	0.09	0.00	120.0
P-11	129	8.0	14.18	0.09	0.00	120.0
P-10	182	8.0	14.18	0.09	0.00	120.0
P-9	125	8.0	14.18	0.09	0.00	120.0
P-1014	120	8.0	13.97	0.09	0.00	120.0
P-634	110	8.0	13.39	0.09	0.00	120.0
P-637	120	8.0	13.39	0.09	0.00	120.0
P-636	106	8.0	13.39	0.09	0.00	120.0
P-639	118	8.0	13.39	0.09	0.00	120.0
P-1197	200	8.0	13.07	0.08	0.00	120.0
P-1198	197	8.0	13.07	0.08	0.00	120.0
P-304	196	12.0	12.14	0.03	0.00	120.0
P-335(2)	177	8.0	12.07	0.08	0.00	120.0

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Preferred (2044) PHD Condition Distribution System Pipe Report
Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1036	100	8.0	11.69	0.07	0.00	120.0
P-1037	42	8.0	11.69	0.07	0.00	120.0
P-1040	276	8.0	11.69	0.07	0.00	120.0
P-1024	188	8.0	11.69	0.07	0.00	120.0
P-1032	133	8.0	11.69	0.07	0.00	120.0
P-1015	220	8.0	9.65	0.06	0.00	120.0
P-305	259	8.0	9.56	0.06	0.00	120.0
P-277	514	8.0	6.19	0.04	0.00	120.0
P-1025	227	8.0	5.90	0.04	0.00	120.0
P-1026	442	8.0	5.90	0.04	0.00	120.0
P-1027	400	8.0	5.90	0.04	0.00	120.0
P-608	151	8.0	5.34	0.03	0.00	120.0
P-1176	283	8.0	5.30	0.03	0.00	120.0
P-1177	321	8.0	5.30	0.03	0.00	120.0
P-1135	254	8.0	5.00	0.03	0.00	120.0
P-1193	298	8.0	4.84	0.03	0.00	120.0
P-1194	209	8.0	4.84	0.03	0.00	120.0
P-307	301	8.0	4.40	0.03	0.00	120.0
P-862	964	8.0	4.36	0.03	0.00	150.0
P-1156	165	8.0	3.39	0.02	0.00	120.0
P-1157	140	8.0	3.39	0.02	0.00	120.0
P-1159	300	8.0	3.39	0.02	0.00	120.0
P-1160	423	8.0	3.39	0.02	0.00	120.0
P-1161	204	8.0	3.39	0.02	0.00	120.0
P-308	709	8.0	2.77	0.02	0.00	120.0
P-1033	218	8.0	0.68	0.00	0.00	120.0
P-1034	504	8.0	0.68	0.00	0.00	120.0
P-1035	325	8.0	0.68	0.00	0.00	120.0
P-1188	272	8.0	0.24	0.00	0.00	120.0
P-1190	232	8.0	0.24	0.00	0.00	120.0
P-1191	364	8.0	0.24	0.00	0.00	120.0
P-660	242	8.0	0.00	0.00	0.00	120.0
P-417	63	8.0	0.01	0.00	0.00	120.0
P-415	179	8.0	0.01	0.00	0.00	120.0
P-617	133	8.0	0.01	0.00	0.00	120.0
P-414	84	6.0	0.01	0.00	0.00	120.0
P-1043	120	8.0	0.00	0.00	0.00	120.0
P-616	115	8.0	0.01	0.00	0.00	120.0
P-418	164	8.0	0.01	0.00	0.00	120.0
P-615	161	8.0	0.01	0.00	0.00	120.0
P-655	194	8.0	0.01	0.00	0.00	120.0
P-1137	28	8.0	0.01	0.00	0.00	120.0
P-428	71	8.0	0.00	0.00	0.00	120.0
P-1041	137	8.0	0.00	0.00	0.00	120.0
P-1038	197	8.0	0.00	0.00	0.00	120.0
P-1044	235	8.0	0.00	0.00	0.00	120.0

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Preferred (2044) PHD Condition Distribution System Pipe Report
Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-420	75	8.0	0.00	0.00	0.00	120.0
P-1118	139	8.0	0.00	0.00	0.00	120.0
P-1171	211	8.0	0.00	0.00	0.00	120.0
P-1114	220	8.0	0.00	0.00	0.00	120.0
P-1077	282	8.0	0.00	0.00	0.00	120.0
P-1081	263	8.0	0.00	0.00	0.00	120.0
P-1110	158	8.0	0.00	0.00	0.00	120.0
P-618	124	8.0	0.01	0.00	0.00	120.0
P-1167	328	8.0	0.00	0.00	0.00	120.0
P-1138	283	8.0	0.01	0.00	0.00	120.0
P-429	57	8.0	0.00	0.00	0.00	120.0
P-1252	41	8.0	0.00	0.00	0.00	120.0
P-1294	35	6.0	0.00	0.00	0.00	120.0
P-1002	220	8.0	0.00	0.00	0.00	120.0
P-1256	13	6.0	0.00	0.00	0.00	120.0
P-1020	131	8.0	0.00	0.00	0.00	120.0
P-1353	36	6.0	0.00	0.00	0.00	120.0
P-1357	31	6.0	0.00	0.00	0.00	120.0
P-1047	95	8.0	0.00	0.00	0.00	120.0
P-1259	62	8.0	0.00	0.00	0.00	120.0
PH-403	12	6.0	0.00	0.00	0.00	120.0
PH-409	17	6.0	0.00	0.00	0.00	120.0
P-1217	302	8.0	0.00	0.00	0.00	120.0
P-1225	274	8.0	0.00	0.00	0.00	120.0
P-672	178	8.0	0.00	0.00	0.00	120.0
P-1238	145	8.0	0.00	0.00	0.00	120.0
P-758	139	8.0	0.00	0.00	0.00	120.0
P-1122	199	8.0	0.01	0.00	0.00	120.0
P-1253	10	8.0	0.00	0.00	0.00	120.0
P-1231	199	8.0	0.00	0.00	0.00	120.0
P-1189	35	8.0	0.00	0.00	0.00	120.0
P-1230	94	8.0	0.00	0.00	0.00	120.0
P-1312	12	8.0	0.00	0.00	0.00	120.0
P-1265	9	6.0	0.00	0.00	0.00	120.0
P-1361	12	6.0	0.00	0.00	0.00	120.0
P-1325	11	6.0	0.00	0.00	0.00	120.0
P-1263	9	6.0	0.00	0.00	0.00	120.0
P-1247	8	6.0	0.00	0.00	0.00	120.0
P-1266	8	6.0	0.00	0.00	0.00	120.0
P-1268.1	8	6.0	0.00	0.00	0.00	120.0
P-1145	49	8.0	0.00	0.00	0.00	120.0
P-1362	13	6.0	0.00	0.00	0.00	120.0
P-1287	13	6.0	0.00	0.00	0.00	120.0
PH-708	13	6.0	0.00	0.00	0.00	120.0
PH-713	13	6.0	0.00	0.00	0.00	120.0
P-1168	15	8.0	0.00	0.00	0.00	120.0

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Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1269	9	6.0	0.00	0.00	0.00	120.0
P-1306	12	6.0	0.00	0.00	0.00	120.0
P-1320	12	6.0	0.00	0.00	0.00	120.0
P-1078	119	8.0	0.00	0.00	0.00	120.0
P-1070	92	8.0	0.00	0.00	0.00	120.0
PH-602	19	6.0	0.00	0.00	0.00	120.0
P-1280	13	6.0	0.00	0.00	0.00	120.0
P-1249	14	6.0	0.00	0.00	0.00	120.0
P-1042	70	8.0	0.00	0.00	0.00	120.0
P-1045	77	8.0	0.00	0.00	0.00	120.0
P-1058	139	8.0	0.00	0.00	0.00	120.0
P-1021	64	8.0	0.00	0.00	0.00	120.0
P-1270	8	6.0	0.00	0.00	0.00	120.0
P-1119	137	8.0	0.00	0.00	0.00	120.0
P-1172	197	8.0	0.00	0.00	0.00	120.0
P-1039	63	8.0	0.00	0.00	0.00	120.0
PH-612	19	6.0	0.00	0.00	0.00	120.0
P-1003	92	8.0	0.00	0.00	0.00	120.0
PH-607	19	6.0	0.00	0.00	0.00	120.0
P-1330	20	6.0	0.00	0.00	0.00	120.0
P-1267	12	6.0	0.00	0.00	0.00	120.0
P-1301	12	6.0	0.00	0.00	0.00	120.0
P-1331	12	6.0	0.00	0.00	0.00	120.0
P-1175	97	8.0	0.00	0.00	0.00	120.0
PH-603	34	6.0	0.00	0.00	0.00	120.0
PH-608	18	6.0	0.00	0.00	0.00	120.0
PH-408	17	6.0	0.00	0.00	0.00	120.0
P-1276	13	6.0	0.00	0.00	0.00	120.0
P-1158	132	8.0	0.00	0.00	0.00	120.0
P-1082	174	8.0	0.00	0.00	0.00	120.0
P-405	174	8.0	0.00	0.00	0.00	120.0
P-1254	59	6.0	0.00	0.00	0.00	120.0
P-419	146	8.0	0.00	0.00	0.00	120.0
P-1048	149	8.0	0.00	0.00	0.00	120.0
P-661	84	8.0	0.00	0.00	0.00	120.0
P-431	210	8.0	0.00	0.00	0.00	120.0
P-1136	155	8.0	0.00	0.00	0.00	120.0
P-1334	12	6.0	0.00	0.00	0.00	120.0
P-1291	21	6.0	0.00	0.00	0.00	120.0
PH-610	18	6.0	0.00	0.00	0.00	120.0
P-364	18	6.0	0.00	0.00	0.00	120.0
P-1365	15	6.0	0.00	0.00	0.00	120.0
P-1352	15	6.0	0.00	0.00	0.00	120.0
P-416	167	6.0	0.00	0.00	0.00	120.0
P-1244	13	6.0	0.00	0.00	0.00	120.0
PH-405	30	6.0	0.00	0.00	0.00	120.0

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Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1338	38	6.0	0.00	0.00	0.00	120.0
P-1345	35	6.0	0.00	0.00	0.00	120.0
P-1347	22	6.0	0.00	0.00	0.00	120.0
P-678	168	8.0	0.00	0.00	0.00	120.0
P-1300	22	6.0	0.00	0.00	0.00	120.0
P-1260	80	8.0	0.00	0.00	0.00	120.0
P-1356	25	6.0	0.00	0.00	0.00	120.0
P-1368	38	6.0	0.00	0.00	0.00	120.0
P-1351	30	6.0	0.00	0.00	0.00	120.0
P-1316	12	6.0	0.00	0.00	0.00	120.0
P-1311	32	6.0	0.00	0.00	0.00	120.0
P-759	115	8.0	0.00	0.00	0.00	120.0
P-1295	17	6.0	0.00	0.00	0.00	120.0
P-1318	16	6.0	0.00	0.00	0.00	120.0
PH-705	37	6.0	0.00	0.00	0.00	120.0
P-1139	66	8.0	0.00	0.00	0.00	120.0
P-1274	15	6.0	0.00	0.00	0.00	120.0
PH-707	15	6.0	0.00	0.00	0.00	120.0
PH-404	29	6.0	0.00	0.00	0.00	120.0
PH-605	19	6.0	0.00	0.00	0.00	120.0
P-1282	13	6.0	0.00	0.00	0.00	120.0
P-363	30	6.0	0.00	0.00	0.00	120.0
P-1281	13	6.0	0.00	0.00	0.00	120.0
P-1315	12	6.0	0.00	0.00	0.00	120.0
P-656	57	8.0	0.00	0.00	0.00	120.0
PH-619	34	6.0	0.00	0.00	0.00	120.0
P-1296	36	6.0	0.00	0.00	0.00	120.0
P-1264	17	6.0	0.00	0.00	0.00	120.0
P-1358	18	6.0	0.00	0.00	0.00	120.0
P-1115	141	8.0	0.00	0.00	0.00	120.0
P-1288	13	6.0	0.00	0.00	0.00	120.0
P-1304	11	6.0	0.00	0.00	0.00	120.0
P-1314	12	8.0	0.00	0.00	0.00	120.0
PH-402	31	6.0	0.00	0.00	0.00	120.0
P-1261	21	6.0	0.00	0.00	0.00	120.0
P-1236	391	8.0	0.00	0.00	0.00	120.0
P-1099	61	8.0	0.00	0.00	0.00	120.0
P-1132	48	8.0	0.00	0.00	0.00	120.0
P-1364	22	6.0	0.00	0.00	0.00	120.0
P-1290	15	6.0	0.00	0.00	0.00	120.0
P-1328	22	6.0	0.00	0.00	0.00	120.0
P-1346	14	6.0	0.00	0.00	0.00	120.0
PH-614	19	6.0	0.00	0.00	0.00	120.0
P-1327	12	6.0	0.00	0.00	0.00	120.0
P-1267.1	13	6.0	0.00	0.00	0.00	120.0
P-1336	11	6.0	0.00	0.00	0.00	120.0

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Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-382	102	8.0	0.00	0.00	0.00	120.0
P-1255	13	6.0	0.00	0.00	0.00	120.0
P-1366	13	6.0	0.00	0.00	0.00	120.0
PH-711	14	6.0	0.00	0.00	0.00	120.0
P-1245	9	6.0	0.00	0.00	0.00	120.0
P-1337	10	6.0	0.00	0.00	0.00	120.0
P-1246	9	6.0	0.00	0.00	0.00	120.0
P-1106	143	8.0	0.00	0.00	0.00	120.0
P-667	163	8.0	0.01	0.00	0.00	120.0
P-666	69	8.0	0.01	0.00	0.00	120.0
P-1201	63	8.0	0.00	0.00	0.00	120.0
P-1326	11	6.0	0.00	0.00	0.00	120.0
P-1248	9	6.0	0.00	0.00	0.00	120.0
P-378	12	8.0	0.00	0.00	0.00	120.0
P-1257	9	6.0	0.00	0.00	0.00	120.0
P-1284	13	6.0	0.00	0.00	0.00	120.0
P-1271	12	6.0	0.00	0.00	0.00	120.0
P-1298	12	6.0	0.00	0.00	0.00	120.0
P-1344	12	6.0	0.00	0.00	0.00	120.0
P-370	12	6.0	0.00	0.00	0.00	120.0
P-1124	60	8.0	0.00	0.00	0.00	120.0
P-1262	12	6.0	0.00	0.00	0.00	120.0
P-1332	12	6.0	0.00	0.00	0.00	120.0
P-1305	11	6.0	0.00	0.00	0.00	120.0
P-1073	123	8.0	0.01	0.00	0.00	120.0
P-1273	14	6.0	0.00	0.00	0.00	120.0
P-1123	62	8.0	0.01	0.00	0.00	120.0
P-1278	13	6.0	0.00	0.00	0.00	120.0
P-368	15	8.0	0.01	0.00	0.00	120.0
P-1210	70	8.0	0.00	0.00	0.00	120.0
P-1359	13	6.0	0.00	0.00	0.00	120.0
P-1335	10	6.0	0.00	0.00	0.00	120.0
P-1317	15	6.0	0.00	0.00	0.00	120.0
P-384	22	8.0	0.00	0.00	0.00	120.0
P-385	7	8.0	0.00	0.00	0.00	120.0
P-1350	15	6.0	0.00	0.00	0.00	120.0
P-1299	12	6.0	0.00	0.00	0.00	120.0
P-1309	12	6.0	0.00	0.00	0.00	120.0
P-1360	11	6.0	0.00	0.00	0.00	120.0
P-1341	13	6.0	0.00	0.00	0.00	120.0
P-1149	131	8.0	0.00	0.00	0.00	120.0
P-1063	58	8.0	0.00	0.00	0.00	120.0
P-886	41	6.0	0.00	0.00	0.00	120.0
P-1107	145	8.0	0.00	0.00	0.00	120.0
P-1340	37	6.0	0.00	0.00	0.00	120.0
P-1272	22	6.0	0.00	0.00	0.00	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
PH-714	17	6.0	0.00	0.00	0.00	120.0
P-1319	11	6.0	0.00	0.00	0.00	120.0
P-1343	11	6.0	0.00	0.00	0.00	120.0
PH-406	32	6.0	0.00	0.00	0.00	120.0
P-651	76	8.0	0.00	0.00	0.00	120.0
P-1125	210	8.0	0.00	0.00	0.00	120.0
P-371	93	8.0	0.00	0.00	0.00	120.0
P-1307	12	6.0	0.00	0.00	0.00	120.0
PH-611	19	6.0	0.00	0.00	0.00	120.0
P-369	101	8.0	0.00	0.00	0.00	120.0
P-1251	20	6.0	0.00	0.00	0.00	120.0
P-1308	22	6.0	0.00	0.00	0.00	120.0
P-346	30	6.0	0.00	0.00	0.00	120.0
P-1333	12	6.0	0.00	0.00	0.00	120.0
P-1178	80	8.0	0.00	0.00	0.00	120.0
P-1297	13	6.0	0.00	0.00	0.00	120.0
P-1062	134	8.0	0.01	0.00	0.00	120.0
PH-616	34	6.0	0.00	0.00	0.00	120.0
P-1111	151	8.0	0.00	0.00	0.00	120.0
P-1323	22	6.0	0.00	0.00	0.00	120.0
P-619	154	8.0	0.00	0.00	0.00	120.0
P-1067	62	8.0	0.00	0.00	0.00	120.0
P-761	104	8.0	0.00	0.00	0.00	120.0
P-1321	12	6.0	0.00	0.00	0.00	120.0
P-1286	22	6.0	0.00	0.00	0.00	120.0
PH-704	12	6.0	0.00	0.00	0.00	120.0
P-1342	14	6.0	0.00	0.00	0.00	120.0
PH-410	15	6.0	0.00	0.00	0.00	120.0
PH-710	15	6.0	0.00	0.00	0.00	120.0
P-367	11	6.0	0.00	0.00	0.00	120.0
P-762	110	8.0	0.00	0.00	0.00	120.0
P-1285	13	6.0	0.00	0.00	0.00	120.0
P-1155	148	8.0	0.00	0.00	0.00	120.0
PH-621	18	6.0	0.00	0.00	0.00	120.0
P-377	86	8.0	0.00	0.00	0.00	120.0
P-407	201	8.0	0.00	0.00	0.00	120.0
PH-620	19	6.0	0.00	0.00	0.00	120.0
PH-618	19	6.0	0.00	0.00	0.00	120.0
PH-613	19	6.0	0.00	0.00	0.00	120.0
P-379	12	6.0	0.00	0.00	0.00	120.0
P-1322	15	6.0	0.00	0.00	0.00	120.0
P-366	77	8.0	0.00	0.00	0.00	120.0
P-1292	15	6.0	0.00	0.00	0.00	120.0
PH-407	12	6.0	0.00	0.00	0.00	120.0
P-374	98	8.0	0.00	0.00	0.00	120.0
PH-701	15	6.0	0.00	0.00	0.00	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
PGC-2	4,652	8.0	0.00	0.00	0.00	120.0
P-1209	360	8.0	0.00	0.00	0.00	120.0
P-1367	11	6.0	0.00	0.00	0.00	120.0
P-1348	21	6.0	0.00	0.00	0.00	120.0
PH-401	39	6.0	0.00	0.00	0.00	120.0
P-1302	12	6.0	0.00	0.00	0.00	120.0
P-347	14	6.0	0.00	0.00	0.00	120.0
P-373	12	6.0	0.00	0.00	0.00	120.0
PH-709	14	6.0	0.00	0.00	0.00	120.0
P-638	74	8.0	0.00	0.00	0.00	120.0
P-421	254	8.0	0.00	0.00	0.00	120.0
PH-615	36	6.0	0.00	0.00	0.00	120.0
P-1279	13	6.0	0.00	0.00	0.00	120.0
P-1355	32	6.0	0.00	0.00	0.00	120.0
P-1066	200	8.0	0.00	0.00	0.00	120.0
P-1339	15	6.0	0.00	0.00	0.00	120.0
PH-702	16	6.0	0.00	0.00	0.00	120.0
PGC-1	359	8.0	0.00	0.00	0.00	120.0
P-1275	13	6.0	0.00	0.00	0.00	120.0
P-623	110	8.0	0.00	0.00	0.00	120.0
P-376	13	6.0	0.00	0.00	0.00	120.0
P-673	77	8.0	0.00	0.00	0.00	120.0
P-383	22	8.0	0.00	0.00	0.00	120.0
P-1354	20	6.0	0.00	0.00	0.00	120.0
P-1363	37	6.0	0.00	0.00	0.00	120.0
P-668	59	8.0	0.00	0.00	0.00	120.0
P-644	161	8.0	0.00	0.00	0.00	120.0
P-1218	218	8.0	0.00	0.00	0.00	120.0
P-1268	13	6.0	0.00	0.00	0.00	120.0
PH-617	26	6.0	0.00	0.00	0.00	120.0
P-1349	26	6.0	0.00	0.00	0.00	120.0
P-1250	12	6.0	0.00	0.00	0.00	120.0
PH-606	19	6.0	0.00	0.00	0.00	120.0
PH-712	14	6.0	0.00	0.00	0.00	120.0
P-1369	22	6.0	0.00	0.00	0.00	120.0
P-1371	22	6.0	0.00	0.00	0.00	120.0
PH-609	19	6.0	0.00	0.00	0.00	120.0
P-1370	17	6.0	0.00	0.00	0.00	120.0
P-1085	58	8.0	0.00	0.00	0.00	120.0
P-1303	11	6.0	0.00	0.00	0.00	120.0
P-1074	137	8.0	0.00	0.00	0.00	120.0
P-1258	13	6.0	0.00	0.00	0.00	120.0
P-1324	13	6.0	0.00	0.00	0.00	120.0
P-365	13	8.0	0.00	0.00	0.00	120.0
PH-706	15	6.0	0.00	0.00	0.00	120.0
PH-703	13	6.0	0.00	0.00	0.00	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1289	13	6.0	0.00	0.00	0.00	120.0
P-1283	13	6.0	0.00	0.00	0.00	120.0
P-760	15	8.0	0.00	0.00	0.00	120.0
P-386	29	8.0	0.00	0.00	0.00	120.0
P-285	1,179	18.0	0.00	0.00	0.00	130.0
P-1313	12	8.0	0.00	0.00	0.00	120.0
P-284	844	18.0	0.00	0.00	0.00	130.0
P-650	160	8.0	0.00	0.00	0.00	120.0
P-402	177	8.0	0.00	0.00	0.00	120.0
P-1084	308	8.0	0.00	0.00	0.00	120.0
P-1310	13	8.0	0.00	0.00	0.00	120.0
P-413	271	8.0	0.00	0.00	0.00	120.0
P-880	68	6.0	0.00	0.00	0.00	120.0
P-430	239	8.0	0.00	0.00	0.00	120.0
P-635	129	8.0	0.00	0.00	0.00	120.0
P-1091	209	8.0	0.00	0.00	0.00	120.0
P-375	16	8.0	0.01	0.00	0.00	120.0
P-372	10	8.0	0.00	0.00	0.00	120.0
P-412	81	8.0	0.01	0.00	0.00	120.0
P-863	472	8.0	0.80	0.01	0.00	150.0
P-1016	643	8.0	4.32	0.03	0.00	120.0
P-1017	339	8.0	4.32	0.03	0.00	120.0
P-1187	100	8.0	4.60	0.03	0.00	120.0
P-1186	225	8.0	4.60	0.03	0.00	120.0
P-1179	154	8.0	4.82	0.03	0.00	120.0
P-1180	380	8.0	4.82	0.03	0.00	120.0
P-1181	381	8.0	4.82	0.03	0.00	120.0
P-1182	183	8.0	4.82	0.03	0.00	120.0
P-856	445	8.0	5.56	0.04	0.00	150.0
P-1029	382	8.0	5.79	0.04	0.00	120.0
P-1028	495	8.0	5.79	0.04	0.00	120.0
P-1030	230	8.0	5.79	0.04	0.00	120.0
P-864	528	8.0	5.97	0.04	0.00	150.0
P-1192	184	8.0	8.31	0.05	0.00	120.0
P-410	198	8.0	8.60	0.05	0.00	120.0
P-409	51	8.0	8.60	0.05	0.00	120.0
P-1(2)	168	8.0	12.08	0.08	0.00	120.0
P-1195	87	8.0	13.15	0.08	0.00	120.0
P-1196	180	8.0	13.15	0.08	0.00	120.0
P-857	980	8.0	15.06	0.10	0.01	150.0
P-1184	67	8.0	17.67	0.11	0.00	120.0
P-1185	137	8.0	17.67	0.11	0.00	120.0
P-851	146	6.0	19.49	0.22	0.01	150.0
P-727	136	8.0	19.78	0.13	0.00	120.0
P-728	112	8.0	19.78	0.13	0.00	120.0
P-729	128	8.0	19.78	0.13	0.00	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-730	92	8.0	19.78	0.13	0.00	120.0
P-734	81	8.0	19.78	0.13	0.00	120.0
P-735	100	8.0	19.78	0.13	0.00	120.0
P-731	203	8.0	19.78	0.13	0.00	120.0
P-732	199	8.0	19.78	0.13	0.00	120.0
P-733	83	8.0	19.78	0.13	0.00	120.0
P-1228	44	8.0	20.72	0.13	0.00	120.0
P-1229	393	8.0	20.73	0.13	0.01	120.0
P-1214	213	8.0	21.26	0.14	0.00	120.0
P-1215	55	8.0	21.26	0.14	0.00	120.0
P-712	202	8.0	22.01	0.14	0.00	120.0
P-713	157	8.0	22.01	0.14	0.00	120.0
P-714	134	8.0	22.01	0.14	0.00	120.0
P-715	113	8.0	22.01	0.14	0.00	120.0
P-351	142	8.0	22.22	0.14	0.00	120.0
P-747	128	8.0	22.22	0.14	0.00	120.0
P-748	20	8.0	22.22	0.14	0.00	120.0
P-749	141	8.0	22.22	0.14	0.00	120.0
P-750	208	8.0	22.22	0.14	0.00	120.0
P-751	123	8.0	22.22	0.14	0.00	120.0
P-752	94	8.0	22.22	0.14	0.00	120.0
P-753	65	8.0	22.22	0.14	0.00	120.0
P-352	68	8.0	22.22	0.14	0.00	120.0
P-353	71	8.0	22.22	0.14	0.00	120.0
P-754	83	8.0	22.22	0.14	0.00	120.0
P-757	90	8.0	22.22	0.14	0.00	120.0
P-1141	216	8.0	22.39	0.14	0.00	120.0
P-858	383	8.0	24.56	0.16	0.01	150.0
P-1199	215	8.0	26.22	0.17	0.01	120.0
P-1200	294	8.0	26.22	0.17	0.01	120.0
P-1202	90	8.0	26.23	0.17	0.00	120.0
P-1203	27	8.0	26.23	0.17	0.00	120.0
P-852	567	6.0	27.46	0.31	0.04	150.0
P-1162	176	8.0	28.93	0.18	0.01	120.0
P-1232	102	8.0	29.44	0.19	0.00	120.0
P-1233	374	8.0	29.44	0.19	0.01	120.0
P-1234	467	8.0	29.44	0.19	0.01	120.0
P-1216	156	8.0	29.58	0.19	0.00	120.0
P-1142	247	8.0	29.85	0.19	0.01	120.0
P-1143	306	8.0	29.85	0.19	0.01	120.0
P-1208	14	8.0	33.39	0.21	0.00	120.0
P-1163	146	8.0	33.75	0.22	0.01	120.0
P-1164	118	8.0	33.75	0.22	0.00	120.0
P-859	1,024	8.0	34.05	0.22	0.03	150.0
P-853	830	6.0	35.43	0.40	0.10	150.0
P-1219	393	8.0	36.66	0.23	0.02	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1220	353	8.0	36.67	0.23	0.02	120.0
P-1221	214	8.0	36.67	0.23	0.01	120.0
P-1235	122	8.0	38.15	0.24	0.01	120.0
P-1237	284	8.0	38.16	0.24	0.01	120.0
P-1239	240	8.0	38.16	0.24	0.01	120.0
P-1240	37	8.0	38.16	0.24	0.00	120.0
P-1211	36	8.0	41.70	0.27	0.00	120.0
P-1212	436	8.0	41.70	0.27	0.03	120.0
P-1213	153	8.0	41.71	0.27	0.01	120.0
P-881	406	8.0	42.21	0.27	0.02	120.0
P-882	400	8.0	42.21	0.27	0.02	120.0
P-869	388	8.0	43.01	0.27	0.02	150.0
P-854	563	6.0	43.39	0.49	0.10	150.0
P-855	151	6.0	43.39	0.49	0.03	150.0
P-1144	80	8.0	44.10	0.28	0.01	120.0
P-1183.1	200	8.0	44.65	0.28	0.01	120.0
P-838	157	8.0	45.57	0.29	0.01	150.0
P-847	130	8.0	48.22	0.31	0.01	150.0
P-1069	275	8.0	49.13	0.31	0.02	120.0
P-1071	56	8.0	49.13	0.31	0.00	120.0
P-1072	278	8.0	49.13	0.31	0.02	120.0
P-1076	147	8.0	49.14	0.31	0.01	120.0
P-1075	144	8.0	49.14	0.31	0.01	120.0
P-1079	199	8.0	49.14	0.31	0.02	120.0
P-1080	94	8.0	49.14	0.31	0.01	120.0
P-870	622	8.0	49.58	0.32	0.03	150.0
P-883	348	8.0	50.19	0.32	0.03	120.0
P-1146	217	8.0	54.95	0.35	0.02	120.0
P-848	717	8.0	54.97	0.35	0.05	150.0
P-871	866	8.0	56.14	0.36	0.06	150.0
P-338	135	12.0	56.68	0.16	0.00	120.0
P-702	160	12.0	56.68	0.16	0.00	120.0
P-704	90	12.0	56.68	0.16	0.00	120.0
P-709	119	12.0	56.68	0.16	0.00	120.0
P-710	92	12.0	56.68	0.16	0.00	120.0
P-705	41	12.0	56.68	0.16	0.00	120.0
P-706	204	12.0	56.68	0.16	0.00	120.0
P-707	119	12.0	56.68	0.16	0.00	120.0
P-708	114	12.0	56.68	0.16	0.00	120.0
P-884	503	8.0	58.16	0.37	0.05	120.0
P-723	233	12.0	58.91	0.17	0.00	120.0
P-722	122	12.0	58.91	0.17	0.00	120.0
P-839	1,534	8.0	58.99	0.38	0.11	150.0
P-1183	206	8.0	59.27	0.38	0.02	120.0
P-849	788	8.0	61.73	0.39	0.06	150.0
P-872	229	8.0	62.70	0.40	0.02	150.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-1222	153	8.0	65.42	0.42	0.02	120.0
P-885	616	8.0	66.14	0.42	0.09	120.0
P-701	725	12.0	66.49	0.19	0.01	120.0
P-614	72	8.0	66.44	0.42	0.01	120.0
P-613	188	8.0	66.44	0.42	0.03	120.0
P-612	118	8.0	66.44	0.42	0.02	120.0
P-1131	255	8.0	66.70	0.43	0.04	120.0
P-1083	285	8.0	67.59	0.43	0.04	120.0
P-850	373	8.0	68.48	0.44	0.04	150.0
P-738	77	12.0	68.66	0.19	0.00	120.0
P-350	109	12.0	68.66	0.19	0.00	120.0
P-739	185	12.0	68.66	0.19	0.00	120.0
P-740	207	12.0	68.66	0.19	0.00	120.0
P-349	184	12.0	68.66	0.19	0.00	120.0
P-1207	202	8.0	70.05	0.45	0.03	120.0
P-1206	201	8.0	70.31	0.45	0.03	120.0
P-725	43	12.0	71.10	0.20	0.00	120.0
P-726	83	12.0	71.10	0.20	0.00	120.0
P-1133	266	8.0	71.70	0.46	0.04	120.0
P-1134	141	8.0	71.70	0.46	0.02	120.0
P-840	1,335	8.0	72.41	0.46	0.14	150.0
P-1227	191	8.0	74.10	0.47	0.03	120.0
P-717	125	12.0	78.69	0.22	0.00	120.0
P-718	35	12.0	78.69	0.22	0.00	120.0
P-720	6	12.0	78.69	0.22	0.00	120.0
P-842	1,313	8.0	79.20	0.51	0.17	150.0
P-745	47	12.0	80.86	0.23	0.00	120.0
P-344	89	12.0	80.86	0.23	0.00	120.0
P-41	182	8.0	83.66	0.53	0.04	120.0
P-42	65	8.0	83.66	0.53	0.01	120.0
P-40	58	8.0	83.66	0.53	0.01	120.0
P-39	208	8.0	83.67	0.53	0.04	120.0
P-841	713	8.0	85.83	0.55	0.11	150.0
P-865	169	8.0	89.75	0.57	0.03	150.0
P-843	870	8.0	90.09	0.57	0.14	150.0
P-873	258	8.0	90.45	0.58	0.04	150.0
P-736	131	12.0	90.88	0.26	0.00	120.0
P-737	112	12.0	90.88	0.26	0.00	120.0
P-38	55	8.0	92.26	0.59	0.01	120.0
P-866	687	8.0	95.28	0.61	0.12	150.0
P-874	1,291	8.0	96.64	0.62	0.24	150.0
P-1243	319	8.0	100.25	0.64	0.10	120.0
P-867	584	8.0	100.80	0.64	0.12	150.0
P-844	561	8.0	100.97	0.64	0.11	150.0
P-611.1	33	8.0	101.22	0.65	0.01	120.0
P-30	158	8.0	101.22	0.65	0.05	120.0

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Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-28	100	8.0	101.22	0.65	0.03	120.0
P-29	153	8.0	101.22	0.65	0.05	120.0
P-875	283	8.0	102.83	0.66	0.06	150.0
P-345	201	12.0	103.08	0.29	0.01	120.0
P-868	151	8.0	106.33	0.68	0.03	150.0
P-26(2)	261	6.0	117.27	1.33	0.42	120.0
P-1056	215	8.0	122.22	0.78	0.09	120.0
P-1057	32	8.0	122.22	0.78	0.01	120.0
P-1059	499	8.0	122.22	0.78	0.22	120.0
P-1086	170	8.0	125.37	0.80	0.08	120.0
P-1087	266	8.0	125.37	0.80	0.12	120.0
P-1382	172	12.0	131.61	0.37	0.01	120.0
P-7	128	8.0	139.11	0.89	0.07	120.0
P-8	212	8.0	139.11	0.89	0.12	120.0
P-6	54	8.0	139.11	0.89	0.03	120.0
P-4	43	8.0	139.12	0.89	0.02	120.0
P-5	308	8.0	139.12	0.89	0.17	120.0
P-2	145	8.0	139.12	0.89	0.08	120.0
P-3	173	8.0	139.12	0.89	0.09	120.0
P-1105	108	8.0	141.61	0.90	0.06	120.0
P-1108	168	8.0	141.61	0.90	0.10	120.0
P-1109	136	8.0	141.61	0.90	0.08	120.0
P-1112	164	8.0	141.61	0.90	0.09	120.0
P-1113	140	8.0	141.61	0.90	0.08	120.0
P-1116	265	8.0	141.61	0.90	0.15	120.0
P-600	275	8.0	143.63	0.92	0.16	120.0
P-34	45	8.0	143.63	0.92	0.03	120.0
P-876	1,807	8.0	145.72	0.93	0.72	150.0
P-766	233	12.0	150.83	0.43	0.02	120.0
P-767	311	12.0	150.83	0.43	0.03	120.0
P-846	190	8.0	153.29	0.98	0.08	150.0
P-1061	222	8.0	156.04	1.00	0.15	120.0
P-1064	205	8.0	156.04	1.00	0.14	120.0
P-1068	246	8.0	156.04	1.00	0.17	120.0
P-1065	57	8.0	156.04	1.00	0.04	120.0
P-1(1)	389	8.0	157.81	1.01	0.27	120.0
P-877	1,654	8.0	158.11	1.01	0.76	150.0
P-1378	50	12.0	161.44	0.46	0.00	120.0
P-1379(1)	445	12.0	161.44	0.46	0.04	120.0
P-301(4)	247	12.0	161.80	0.46	0.02	120.0
P-302(1)	1,274	12.0	161.80	0.46	0.13	120.0
P-33	65	8.0	167.66	1.07	0.05	120.0
P-32	279	8.0	167.66	1.07	0.22	120.0
P-27	152	8.0	167.68	1.07	0.12	120.0
P-1379(2)	342	12.0	173.22	0.49	0.04	120.0
P-299	567	12.0	173.34	0.49	0.06	120.0

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Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-300(1)	521	12.0	173.34	0.49	0.06	120.0
P-596	329	12.0	176.84	0.50	0.04	120.0
P-301(1)	350	12.0	185.11	0.53	0.05	120.0
P-300(2)	1,560	12.0	185.11	0.53	0.20	120.0
P-1372	475	12.0	191.47	0.54	0.07	120.0
P-628	941	12.0	191.72	0.54	0.13	120.0
P-1090	215	8.0	192.97	1.23	0.22	120.0
P-257(4)	457	12.0	195.92	0.56	0.07	120.0
P-26(1)	523	6.0	200.57	2.28	2.30	120.0
P-558	97	12.0	205.78	0.58	0.02	120.0
P-257(2)	692	12.0	223.67	0.63	0.13	120.0
P-302(3)	212	12.0	224.72	0.64	0.04	120.0
P-301(3)	617	12.0	229.51	0.65	0.12	120.0
P-302(2)	245	12.0	230.28	0.65	0.05	120.0
P-792	281	12.0	236.12	0.67	0.06	120.0
P-793	438	12.0	236.12	0.67	0.09	120.0
P-821	230	12.0	249.24	0.71	0.05	120.0
P-820	492	12.0	249.24	0.71	0.11	120.0
P-878	1,526	8.0	253.80	1.62	1.69	150.0
P-302(4)	108	12.0	258.77	0.73	0.03	120.0
P-795	90	12.0	261.77	0.74	0.02	120.0
P-1373	176	12.0	261.77	0.74	0.04	120.0
P-796	377	12.0	261.77	0.74	0.09	120.0
P-879	192	8.0	266.19	1.70	0.23	150.0
P-301(2)	101	12.0	270.95	0.77	0.03	120.0
P-257(3)	374	12.0	286.37	0.81	0.11	120.0
P-257(5)	855	12.0	302.24	0.86	0.27	120.0
P-1376	26	12.0	323.34	0.92	0.01	120.0
P-257(1)(1)	70	12.0	344.65	0.98	0.03	120.0
P-257(1)(2)	69	12.0	356.43	1.01	0.03	120.0
P-257(6)	131	12.0	405.07	1.15	0.07	120.0
P-309(1)	2,118	12.0	417.16	1.18	1.23	120.0
P-310	574	12.0	428.94	1.22	0.35	120.0
P-309(2)	513	12.0	428.94	1.22	0.31	120.0
P-275(1)	1,559	12.0	546.21	1.55	1.50	120.0
P-680	87	12.0	549.74	1.56	0.08	120.0
P-679	420	12.0	549.74	1.56	0.41	120.0
P-1377	725	12.0	561.83	1.59	0.73	120.0
P-724	175	12.0	561.83	1.59	0.18	120.0
P-1383	347	12.0	668.94	1.90	0.48	120.0
P-458	60	12.0	717.86	2.04	0.10	120.0
P-460	293	12.0	717.87	2.04	0.47	120.0
P-275(2)	597	12.0	812.40	2.30	1.19	120.0
P-399	327	12.0	841.95	2.39	0.70	120.0
P-689	720	12.0	883.86	2.51	1.68	120.0
P-692	94	12.0	883.86	2.51	0.22	120.0

GBWC-PD 2024 IRP - Mountain Falls System
Preferred (2044) PHD Condition Distribution System Pipe Report
Pipe Table - Velocity - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Flow (Absolute) (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-695	39	12.0	883.86	2.51	0.09	120.0
P-696(1)	267	12.0	883.86	2.51	0.62	120.0
P-696(2)	153	12.0	895.64	2.54	0.37	120.0
P-1384	408	12.0	930.71	2.64	1.05	120.0
P-455	112	12.0	930.71	2.64	0.29	120.0
P-260(2)(1)(1)(1)	293	18.0	943.89	1.19	0.09	130.0
P-260(2)(1)(1)(2)	259	18.0	943.89	1.19	0.08	130.0
P-260(2)(1)(2)	134	18.0	955.67	1.20	0.04	130.0
P-260(1)	169	18.0	986.11	1.24	0.06	130.0
P-823	838	12.0	986.11	2.80	2.40	120.0
P-824	13	12.0	986.11	2.80	0.04	120.0
P-1094	309	8.0	994.81	6.35	6.48	120.0
P-1095	584	8.0	1,009.94	6.45	12.60	120.0
P-1096	412	8.0	1,009.94	6.45	8.89	120.0
P-1097	403	8.0	1,009.94	6.45	8.70	120.0
P-1098	459	8.0	1,009.94	6.45	9.90	120.0
P-260(2)(2)	105	18.0	1,021.81	1.29	0.04	130.0
P-1100	102	8.0	1,025.06	6.54	2.26	120.0
P-1101	475	8.0	1,025.06	6.54	10.53	120.0
P-1102	6	8.0	1,166.68	7.45	0.17	120.0
P-1103	166	8.0	1,166.68	7.45	4.68	120.0
P-1125.2	55	8.0	1,630.19	10.41	2.88	120.0

Great Basin Water Company – Spring Creek Division (Volume III)
WaterCAD Modeling Scenarios

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan MDD 2027 (Wells #1 ON) Distribution System Junction
Report
MDD - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
778	N930	5,511.00	200 Lower	3.57	5,604.83	40.6
769	N927	5,500.00	200 Lower	5.62	5,605.34	45.6
772	N928	5,497.00	200 Lower	2.55	5,604.83	46.7
191	N808	5,486.36	200 Lower	8.68	5,604.83	51.3
281	N709	5,489.69	200 Lower	1.02	5,609.06	51.6
147	N857	5,476.00	200 Lower	5.11	5,605.35	56.0
274	N717	5,481.95	200 Lower	1.53	5,609.06	55.0
132	N873	5,466.49	200 Lower	4.60	5,605.34	60.1
130	N875	5,463.00	200 Lower	7.15	5,606.23	62.0
228	N768	5,474.00	200 Lower	1.53	5,609.15	58.5
279	N711	5,468.00	200 Lower	1.02	5,609.05	61.0
242	N752	5,468.40	200 Lower	2.55	5,609.15	60.9
273	N719	5,466.53	200 Lower	2.55	5,609.07	61.7
106	N900	5,455.50	200 Lower	4.08	5,606.36	65.3
760	N924	5,503.69	200 Lower	2.55	5,641.07	59.4
169	N831	5,450.40	200 Lower	10.21	5,605.32	67.0
162	N840	5,450.00	200 Lower	7.15	5,605.51	67.3
271	N721	5,460.70	200 Lower	2.55	5,609.05	64.2
123	N883	5,449.73	200 Lower	2.55	5,606.05	67.6
116	N890	5,447.91	200 Lower	5.11	5,605.49	68.2
249	N744	5,460.92	200 Lower	3.57	5,609.14	64.1
821	N932	5,447.11	200 Lower	0.00	5,605.49	68.5
122	N884	5,497.85	200 Lower	7.15	5,640.89	61.9
763	N925	5,496.41	200 Lower	2.55	5,640.74	62.4
754	N922	5,497.00	200 Lower	4.08	5,641.03	62.3
280	N710	5,453.50	200 Lower	2.55	5,608.92	67.2
258	N734	5,454.40	200 Lower	2.55	5,609.08	66.9
133	N872	5,437.55	200 Lower	7.15	5,605.35	72.6
117	N889	5,436.00	200 Lower	2.04	5,605.91	73.5
93	N913	5,436.70	200 Lower	2.04	5,606.35	73.4
118	N888	5,435.70	200 Lower	4.60	5,606.25	73.8
266	N726	5,444.94	200 Lower	1.02	5,609.83	71.3
109	N897	5,431.78	200 Lower	6.64	5,605.50	75.2
282	N708	5,441.91	200 Lower	1.53	5,609.03	72.3
202	N797	5,435.80	200 Lower	6.13	5,607.51	74.3
221	N776	5,441.00	200 Lower	0.00	5,609.05	72.7
187	N812	5,432.91	200 Lower	7.15	5,607.50	75.5
156	N810L	5,478.25	200 Lower	5.11	5,640.76	70.3
90	N916	5,426.35	200 Lower	4.08	5,605.46	77.5
252	N740	5,436.00	200 Lower	3.06	5,608.92	74.8
267	N725	5,435.80	200 Lower	6.13	5,608.93	74.9
128	N878	5,429.24	200 Lower	5.62	5,606.77	76.8
269	N723	5,436.42	200 Lower	3.06	5,609.04	74.7

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan MDD 2027 (Wells #1 ON) Distribution System Junction
Report
MDD - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
107	N899	5,425.40	200 Lower	2.04	5,605.82	78.1
277	Com713	5,436.00	200 Lower	3.83	5,609.83	75.2
91	N915	5,427.10	200 Lower	1.02	5,606.69	77.7
161	N841	5,428.23	200 Lower	9.70	5,607.10	77.4
139	N865	5,473.64	200 Lower	4.08	5,641.05	72.4
270	Com722	5,432.80	200 Lower	1.91	5,609.83	76.6
259	N733	5,650.52	200 Upper	7.15	5,824.90	75.4
257	Com735	5,430.17	200 Lower	0.00	5,609.83	77.7
256	Com736	5,430.00	200 Lower	1.91	5,609.83	77.8
233	N762	5,430.35	200 Lower	9.70	5,609.02	77.3
102	N904	5,418.00	200 Lower	2.55	5,605.66	81.2
210	N789	5,653.05	200 Upper	4.60	5,826.95	75.2
214	N785	5,651.00	200 Upper	0.00	5,826.55	76.0
955	N945	5,648.00	200 Upper	0.51	5,825.56	76.8
211	N788	5,649.00	200 Upper	0.00	5,826.46	76.8
212	N787	5,649.00	200 Upper	7.15	5,826.55	76.8
236	N758	5,646.82	200 Upper	4.60	5,825.88	77.5
235	N759	5,425.05	200 Lower	2.04	5,609.75	79.9
264	Com728	5,425.64	200 Lower	0.00	5,609.83	79.7
244	N749	5,425.50	200 Lower	0.00	5,609.94	79.8
112	N894	5,465.00	200 Lower	6.13	5,640.92	76.1
99	N907	5,415.57	200 Lower	3.57	5,606.69	82.7
100	N906	5,463.99	200 Lower	8.17	5,640.83	76.5
216	N783	5,423.93	200 Lower	6.64	5,609.02	80.1
226	N770	5,421.40	200 Lower	0.00	5,609.27	81.3
253	Com739	5,423.00	200 Lower	1.91	5,609.83	80.8
251	N741	5,421.19	200 Lower	2.55	5,609.03	81.3
291	Com756	5,421.00	200 Lower	3.83	5,609.27	81.5
230	N766	5,421.20	200 Lower	0.00	5,609.00	81.3
114	N892	5,412.94	200 Lower	6.13	5,607.03	84.0
268	Com724	5,419.95	200 Lower	0.00	5,609.83	82.2
262	N730	5,419.57	200 Lower	0.00	5,609.83	82.3
261	Com731	5,419.57	200 Lower	0.00	5,609.83	82.3
97	N909	5,409.75	200 Lower	3.06	5,606.23	85.0
131	N874	5,460.00	200 Lower	2.04	5,641.04	78.3
201	N798	5,413.00	200 Lower	0.00	5,607.56	84.2
225	N771	5,416.60	200 Lower	2.04	5,609.08	83.3
229	N767	5,417.83	200 Lower	0.00	5,610.13	83.2
254	N738	5,416.92	200 Lower	0.00	5,609.83	83.5
255	N737	5,416.92	200 Lower	0.00	5,609.83	83.5
231	N765	5,417.06	200 Lower	1.53	5,610.20	83.6
88	N919	5,410.68	200 Lower	1.53	5,607.56	85.2
234	N760	5,413.00	200 Lower	9.82	5,609.03	84.8

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan MDD 2027 (Wells #1 ON) Distribution System Junction
Report
MDD - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
215	N784	5,414.17	200 Lower	3.06	5,609.91	84.7
240	N754	5,414.79	200 Lower	0.00	5,609.84	84.4
213	N786	5,414.02	200 Lower	6.13	5,608.93	84.3
199	N800	5,408.25	200 Lower	7.15	5,607.58	86.2
245	Com748	5,413.98	200 Lower	0.00	5,609.83	84.7
246	N747	5,413.98	200 Lower	1.91	5,609.83	84.7
243	Com750	5,413.18	200 Lower	0.00	5,609.83	85.1
110	N896	5,407.00	200 Lower	2.04	5,607.56	86.8
239	Com755	5,413.00	200 Lower	2.04	5,609.83	85.2
275	N716	5,629.00	200 Upper	6.64	5,824.37	84.5
111	N895	5,405.78	200 Lower	3.06	5,607.38	87.2
786	N931	5,452.24	200 Lower	0.00	5,641.00	81.7
224	N772	5,409.67	200 Lower	0.00	5,610.11	86.7
185	N814	5,402.85	200 Lower	3.06	5,607.63	88.6
241	N753	5,407.50	200 Lower	0.00	5,609.83	87.5
247	Com746	5,407.00	200 Lower	1.91	5,609.83	87.8
125	N881	5,446.88	200 Lower	1.53	5,641.03	84.0
278	N712	5,619.91	200 Upper	1.02	5,823.45	88.1
223	N773	5,403.50	200 Lower	0.51	5,608.97	88.9
209	N790	5,401.28	200 Lower	9.19	5,609.07	89.9
113	N893	5,397.62	200 Lower	6.13	5,607.75	90.9
89	N917	5,443.34	200 Lower	3.06	5,640.91	85.5
198	N801	5,399.80	200 Lower	3.57	5,610.15	91.0
158	N844	5,391.00	200 Lower	16.34	5,607.05	93.5
105	N901	5,391.13	200 Lower	2.04	5,607.74	93.7
142	N862	5,389.00	200 Lower	12.25	5,607.03	94.3
206	N793	5,394.30	200 Lower	1.53	5,608.91	92.9
217	N781	5,393.00	200 Lower	7.66	5,608.92	93.4
200	N799	5,608.75	200 Upper	6.13	5,824.95	93.5
179	N821	5,389.74	200 Lower	4.60	5,610.40	95.5
92	N914	5,383.37	200 Lower	1.53	5,607.74	97.1
186	N813	5,386.00	200 Lower	6.64	5,609.12	96.5
175	N825	5,387.50	200 Lower	1.53	5,610.39	96.4
220	N777	5,388.00	200 Lower	4.60	5,610.36	96.2
272	N720	5,601.32	200 Upper	6.64	5,823.45	96.1
188	N811	5,384.48	200 Lower	8.68	5,609.07	97.2
204	N795	5,382.86	200 Lower	5.62	5,608.90	97.8
197	N802	5,383.09	200 Lower	6.64	5,608.89	97.7
121	N885	5,377.51	200 Lower	5.11	5,607.95	99.7
208	N791	5,380.17	200 Lower	3.06	5,609.82	99.4
177	N823	5,379.11	200 Lower	1.53	5,610.39	100.1
276	N714	5,594.40	200 Upper	1.02	5,823.88	99.3
174	N826	5,373.65	200 Lower	10.72	5,608.05	101.4

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan MDD 2027 (Wells #1 ON) Distribution System Junction
Report
MDD - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
194	N805	5,375.51	200 Lower	5.62	5,608.90	101.0
96	N910	5,373.76	200 Lower	0.51	5,608.53	101.6
218	N780	5,588.00	200 Upper	8.68	5,822.27	101.4
168	N832	5,372.57	200 Lower	9.19	5,608.25	102.0
184	N815	5,374.85	200 Lower	3.57	5,608.82	101.2
159	N843	5,374.33	200 Lower	7.66	5,609.32	101.7
166	N835	5,374.00	200 Lower	0.00	5,610.80	102.5
98	N908	5,368.96	200 Lower	1.02	5,608.53	103.7
173	N827	5,368.10	200 Lower	3.57	5,608.29	103.9
802	N911	5,367.56	200 Lower	1.02	5,608.53	104.3
183	N816	5,584.97	200 Upper	4.08	5,823.40	103.2
140	N864	5,363.00	200 Lower	4.60	5,606.98	105.6
180	N819	5,586.00	200 Upper	0.00	5,823.97	103.0
966	N946	5,582.99	200 Upper	0.00	5,822.93	103.8
238	N756	5,581.11	200 Upper	12.25	5,822.39	104.4
907	N942	5,581.99	200 Upper	0.00	5,822.77	104.2
178	N822	5,580.25	200 Upper	12.25	5,822.27	104.7
167	N833	5,367.26	200 Lower	5.11	5,609.07	104.6
190	N809	5,584.50	200 Upper	1.53	5,823.97	103.6
94	N912	5,364.00	200 Lower	1.02	5,608.02	105.6
263	N729	5,580.00	200 Upper	6.13	5,822.54	104.9
248	N745	5,368.65	200 Lower	1.53	5,610.36	104.6
101	N905	5,363.45	200 Lower	5.62	5,608.02	105.8
157	N845	5,368.07	200 Lower	2.55	5,610.91	105.1
165	N836	5,369.50	200 Lower	3.06	5,612.74	105.2
144	N860	5,360.13	200 Lower	7.66	5,606.98	106.8
196	N803	5,368.56	200 Lower	4.08	5,612.96	105.7
170	N830	5,362.97	200 Lower	6.13	5,608.92	106.4
172	N828	5,362.88	200 Lower	2.55	5,608.76	106.4
171	N829	5,362.10	200 Lower	4.60	5,608.80	106.7
150	N854	5,361.00	200 Lower	2.55	5,609.10	107.3
155	N847	5,361.75	200 Lower	2.04	5,610.19	107.5
148	N856	5,359.13	200 Lower	3.57	5,609.15	108.2
153	N849	5,359.23	200 Lower	3.06	5,609.89	108.5
145	N859	5,354.80	200 Lower	8.17	5,608.25	109.7
151	N853	5,355.50	200 Lower	5.11	5,609.06	109.7
250	N742	5,568.50	200 Upper	5.11	5,822.66	110.0
138	N866	5,353.69	200 Lower	3.06	5,609.10	110.5
134	N871	5,351.70	200 Lower	3.57	5,608.25	111.0
108	N898	5,347.75	200 Lower	5.11	5,608.54	112.8
115	N891	5,347.17	200 Lower	3.57	5,608.33	113.0
203	N796	5,561.00	200 Upper	5.11	5,822.27	113.0
205	N794	5,560.90	200 Upper	6.64	5,822.35	113.1

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan MDD 2027 (Wells #1 ON) Distribution System Junction
Report
MDD - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
104	N902	5,347.70	200 Lower	10.97	5,609.18	113.1
141	N863	5,347.54	200 Lower	3.06	5,609.05	113.1
103	N903	5,347.24	200 Lower	2.55	5,609.18	113.3
137	N868	5,343.91	200 Lower	2.55	5,609.10	114.7
851	N934	5,343.45	200 Lower	0.00	5,609.20	115.0
164	N837	5,348.50	200 Lower	3.06	5,614.40	115.0
237	N757	5,556.00	200 Upper	3.06	5,822.79	115.4
154	N848	5,552.75	200 Upper	2.55	5,822.06	116.5
129	N877	5,340.05	200 Lower	5.11	5,609.15	116.4
127	N879	5,340.00	200 Lower	3.06	5,610.17	116.9
195	N804	5,546.99	200 Upper	3.57	5,822.23	119.1
219	N778	5,536.03	200 Upper	5.11	5,822.69	124.0
181	N818	5,530.50	200 Upper	4.60	5,822.18	126.2
146	N858	5,529.40	200 Upper	6.13	5,822.06	126.6
192	N807	5,529.77	200 Upper	5.11	5,822.27	126.6
222	N775	5,529.65	200 Upper	4.08	5,822.42	126.7
193	N806	5,526.50	200 Upper	3.06	5,822.29	128.0
163	N838	5,524.50	200 Upper	7.66	5,822.11	128.8
232	N763	5,526.16	200 Upper	2.04	5,822.78	128.3
182	N817	5,521.00	200 Upper	3.06	5,822.33	130.4
775	N929	5,520.00	200 Upper	3.06	5,822.69	131.0
757	N923	5,517.00	200 Upper	2.04	5,822.11	132.0
189	N810U	5,515.00	200 Upper	0.00	5,822.27	132.9
152	N850	5,513.66	200 Upper	5.62	5,822.12	133.5
149	N855	5,508.00	200 Upper	2.04	5,822.12	135.9
176	N824	5,508.00	200 Upper	3.57	5,822.24	136.0
898	N939	5,507.00	200 Upper	0.00	5,822.25	136.4
260	N732	5,507.60	200 Upper	2.04	5,822.77	136.4
766	N926	5,505.00	200 Upper	4.60	5,822.32	137.3
265	N727	5,503.19	200 Upper	3.06	5,822.77	138.3
207	N792	5,497.00	200 Upper	4.08	5,822.37	140.8
874	N935	5,497.29	200 Upper	0.00	5,822.78	140.8
227	N769	5,481.00	200 Upper	2.55	5,822.78	147.9

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan MDD + Fire (All wells +2 BPS ON) Distribution System
Junction Report
Fire Flow - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	MDD (gpm)	Satisfies Fire Flow Constraints?	Total Flow Needed (Fire Flow + MDD) (gpm)	Available Flow at 20 psi Min. Residual Pressure (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
N919	200 Lower	1,000.00	1.53	True	1,001.53	2,686.56	98.9	54.3	N930
N905	200 Lower	1,000.00	5.62	True	1,005.62	1,114.79	41.0	40.8	N912
N903	200 Lower	1,000.00	2.55	True	1,002.55	2,384.20	111.1	59.2	N930
N902	200 Lower	1,000.00	10.97	True	1,010.97	3,811.39	123.5	59.2	N930
N901	200 Lower	1,000.00	2.04	True	1,002.04	1,036.26	26.7	30.0	N914
N898	200 Lower	1,000.00	5.11	True	1,005.11	1,073.90	35.1	23.9	N910
N896	200 Lower	1,000.00	2.04	True	1,002.04	2,994.11	100.0	53.8	N930
N895	200 Lower	1,000.00	3.06	True	1,003.06	2,662.82	96.3	49.9	N930
N893	200 Lower	1,000.00	6.13	True	1,006.13	3,146.69	103.0	54.7	N930
N892	200 Lower	1,000.00	6.13	True	1,006.13	2,014.33	82.3	39.7	N930
N891	200 Lower	1,000.00	3.57	True	1,003.57	1,000.82	20.2	47.2	N910
N889	200 Lower	1,000.00	2.04	True	1,002.04	1,010.11	21.5	-8.7	N930
N885	200 Lower	1,000.00	5.11	True	1,005.11	3,470.99	111.8	55.5	N930
N883	200 Lower	1,000.00	2.55	True	1,002.55	1,038.25	25.0	-0.5	N930
N881	200 Lower	1,000.00	1.53	True	1,001.53	1,498.75	66.2	53.3	N922
N878	200 Lower	1,000.00	5.62	True	1,005.62	1,609.91	66.3	30.4	N930
N877	200 Lower	1,000.00	5.11	True	1,005.11	4,000.00	129.4	59.3	N930
N875	200 Lower	1,000.00	7.15	True	1,007.15	1,121.75	33.1	11.7	N930
N874	200 Lower	1,000.00	2.04	True	1,002.04	1,571.88	68.7	52.7	N922
N871	200 Lower	1,000.00	3.57	True	1,003.57	4,000.00	123.5	57.0	N930
N868	200 Lower	1,000.00	2.55	True	1,002.55	4,000.00	127.7	59.2	N930

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan MDD + Fire (All wells +2 BPS ON) Distribution System
Junction Report
Fire Flow - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	MDD (gpm)	Satisfies Fire Flow Constraints?	Total Flow Needed (Fire Flow + MDD) (gpm)	Available Flow at 20 psi Min. Residual Pressure (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
N866	200 Lower	1,000.00	3.06	True	1,003.06	3,805.71	120.4	59.2	N930
N865	200 Lower	1,000.00	4.08	True	1,004.08	1,578.80	66.2	56.1	N922
N863	200 Lower	1,000.00	3.06	True	1,003.06	4,000.00	126.6	59.2	N930
N859	200 Lower	1,000.00	8.17	True	1,008.17	3,678.91	120.2	57.5	N930
N856	200 Lower	1,000.00	3.57	True	1,003.57	2,984.74	113.6	59.3	N930
N854	200 Lower	1,000.00	2.55	True	1,002.55	3,115.56	113.6	59.2	N930
N853	200 Lower	1,000.00	5.11	True	1,005.11	4,000.00	123.1	59.3	N930
N849	200 Lower	1,000.00	3.06	True	1,003.06	4,000.00	121.3	59.4	N924
N847	200 Lower	1,000.00	2.04	True	1,002.04	4,000.00	119.8	59.4	N924
N845	200 Lower	1,000.00	2.55	True	1,002.55	4,000.00	116.2	59.4	N924
N843	200 Lower	1,000.00	7.66	True	1,007.66	4,000.00	114.2	59.4	N924
N841	200 Lower	1,000.00	9.70	True	1,009.70	1,478.37	61.8	40.6	N930
N838	200 Upper	1,000.00	7.66	True	1,007.66	1,469.46	65.4	59.7	N780
N837	200 Lower	1,000.00	3.06	True	1,003.06	3,148.82	121.2	59.4	N924
N836	200 Lower	1,000.00	3.06	True	1,003.06	3,375.84	113.5	59.4	N924
N835	200 Lower	1,000.00	0.00	True	1,000.00	3,215.50	108.7	59.4	N924
N833	200 Lower	1,000.00	5.11	True	1,005.11	4,000.00	117.9	59.4	N930
N832	200 Lower	1,000.00	9.19	True	1,009.19	3,628.81	111.9	57.7	N930
N830	200 Lower	1,000.00	6.13	True	1,006.13	4,000.00	118.0	59.4	N924
N829	200 Lower	1,000.00	4.60	True	1,004.60	4,000.00	117.2	59.4	N924
N828	200 Lower	1,000.00	2.55	True	1,002.55	4,000.00	116.7	59.4	N924

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan MDD + Fire (All wells +2 BPS ON) Distribution System
Junction Report
Fire Flow - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	MDD (gpm)	Satisfies Fire Flow Constraints?	Total Flow Needed (Fire Flow + MDD) (gpm)	Available Flow at 20 psi Min. Residual Pressure (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
N827	200 Lower	1,000.00	3.57	True	1,003.57	3,901.72	114.1	57.9	N930
N826	200 Lower	1,000.00	10.72	True	1,010.72	2,766.05	105.3	55.0	N930
N822	200 Upper	1,000.00	12.25	True	1,012.25	1,045.59	25.6	37.4	N848
N821	200 Lower	1,000.00	4.60	True	1,004.60	2,268.55	91.4	59.4	N924
N818	200 Upper	1,000.00	4.60	True	1,004.60	1,651.63	72.9	59.7	N780
N817	200 Upper	1,000.00	3.06	True	1,003.06	1,222.01	49.1	51.7	N806
N815	200 Lower	1,000.00	3.57	True	1,003.57	4,000.00	108.7	59.4	N924
N814	200 Lower	1,000.00	3.06	True	1,003.06	1,854.54	80.7	49.9	N930
N812	200 Lower	1,000.00	7.15	True	1,007.15	1,640.76	66.5	48.2	N930
N811	200 Lower	1,000.00	8.68	True	1,008.68	4,000.00	109.5	59.4	N924
N810 U	200 Upper	1,000.00	0.00	True	1,000.00	1,891.77	85.7	60.0	N780
N805	200 Lower	1,000.00	5.62	True	1,005.62	1,137.51	42.5	59.4	N924
N804	200 Upper	1,000.00	3.57	True	1,003.57	1,727.67	71.4	59.7	N780
N802	200 Lower	1,000.00	6.64	True	1,006.64	3,794.97	103.6	59.4	N924
N801	200 Lower	1,000.00	3.57	True	1,003.57	2,134.92	84.3	59.4	N924
N796	200 Upper	1,000.00	5.11	True	1,005.11	1,814.15	70.2	59.7	N780
N795	200 Lower	1,000.00	5.62	True	1,005.62	1,267.65	55.6	59.2	N709
N794	200 Upper	1,000.00	6.64	True	1,006.64	1,869.17	71.6	61.7	N733
N792	200 Upper	1,000.00	4.08	True	1,004.08	1,632.25	81.6	61.7	N733
N790	200 Lower	1,000.00	9.19	True	1,009.19	4,000.00	101.6	59.4	N924
N789	200 Upper	1,000.00	4.60	True	1,004.60	3,389.88	61.5	61.8	N733

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan MDD + Fire (All wells +2 BPS ON) Distribution System
Junction Report
Fire Flow - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	MDD (gpm)	Satisfies Fire Flow Constraints?	Total Flow Needed (Fire Flow + MDD) (gpm)	Available Flow at 20 psi Min. Residual Pressure (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
N788	200 Upper	1,000.00	0.00	True	1,000.00	1,173.71	32.5	38.8	N785
N787	200 Upper	1,000.00	7.15	True	1,007.15	1,288.76	38.3	37.4	N785
N785	200 Upper	1,000.00	0.00	True	1,000.00	1,136.30	30.2	38.3	N787
N784	200 Lower	1,000.00	3.06	True	1,003.06	2,311.57	79.5	59.4	N924
N783	200 Lower	1,000.00	6.64	True	1,006.64	3,545.92	84.9	59.4	N924
N781	200 Lower	1,000.00	7.66	True	1,007.66	1,194.94	46.7	58.6	N709
N780	200 Upper	1,000.00	8.68	True	1,008.68	1,620.80	57.9	61.7	N733
N778	200 Upper	1,000.00	5.11	True	1,005.11	2,580.81	90.8	61.7	N733
N777	200 Lower	1,000.00	4.60	True	1,004.60	1,375.75	54.6	52.9	N765
N776	200 Lower	1,000.00	0.00	True	1,000.00	3,432.61	77.4	59.4	N924
N775	200 Upper	1,000.00	4.08	True	1,004.08	2,171.05	87.3	61.7	N733
N773	200 Lower	1,000.00	0.51	True	1,000.51	1,335.22	56.1	58.2	N709
N772	200 Lower	1,000.00	0.00	True	1,000.00	1,627.93	60.1	56.7	N767
N771	200 Lower	1,000.00	2.04	True	1,002.04	4,000.00	94.6	59.4	N924
N770	200 Lower	1,000.00	0.00	True	1,000.00	3,149.36	86.7	59.4	N924
N769	200 Upper	1,000.00	2.55	True	1,002.55	3,221.59	116.8	61.6	N733
N767	200 Lower	1,000.00	0.00	True	1,000.00	1,556.38	55.8	56.6	N765
N766	200 Lower	1,000.00	0.00	True	1,000.00	1,170.35	39.7	57.8	N786
N765	200 Lower	1,000.00	1.53	True	1,001.53	1,429.97	51.2	56.5	N767
N763	200 Upper	1,000.00	2.04	True	1,002.04	2,959.35	97.8	61.6	N733
N762	200 Lower	1,000.00	9.70	True	1,009.70	1,483.25	56.4	59.4	N924

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan MDD + Fire (All wells +2 BPS ON) Distribution System
Junction Report
Fire Flow - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	MDD (gpm)	Satisfies Fire Flow Constraints?	Total Flow Needed (Fire Flow + MDD) (gpm)	Available Flow at 20 psi Min. Residual Pressure (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
N760	200 Lower	1,500.00	9.82	True	1,509.82	2,826.91	74.2	49.5	N709
N759	200 Lower	1,000.00	2.04	True	1,002.04	3,193.03	78.7	59.4	N924
N758	200 Upper	1,000.00	4.60	True	1,004.60	2,594.31	58.9	57.5	N733
N757	200 Upper	1,000.00	3.06	True	1,003.06	2,749.17	85.2	61.6	N733
N756	200 Upper	1,000.00	12.25	True	1,012.25	1,433.38	53.0	61.7	N733
Com 755	200 Lower	1,500.00	2.04	True	1,502.04	4,000.00	77.9	59.4	N924
N754	200 Lower	1,000.00	0.00	True	1,000.00	4,000.00	79.9	59.4	N924
N753	200 Lower	1,000.00	0.00	True	1,000.00	4,000.00	82.2	59.4	N924
N752	200 Lower	1,000.00	2.55	True	1,002.55	3,388.75	65.2	59.4	N924
Com 750	200 Lower	1,500.00	0.00	True	1,500.00	4,000.00	78.0	59.4	N924
N749	200 Lower	1,000.00	0.00	True	1,000.00	2,230.82	66.4	59.4	N924
Com 748	200 Lower	1,500.00	0.00	True	1,500.00	4,000.00	77.8	59.4	N924
N747	200 Lower	1,500.00	1.91	True	1,501.91	4,000.00	77.3	59.4	N924
Com 746	200 Lower	1,500.00	1.91	True	1,501.91	3,584.01	74.7	59.4	N924
N744	200 Lower	1,000.00	3.57	True	1,003.57	3,222.02	68.1	59.4	N924
N742	200 Upper	1,000.00	5.11	True	1,005.11	1,788.39	68.1	61.7	N733
N741	200 Lower	1,000.00	2.55	True	1,002.55	2,126.88	80.3	55.2	N709
Com 739	200 Lower	1,500.00	1.91	True	1,501.91	4,000.00	72.0	59.4	N924
N738	200 Lower	1,500.00	0.00	True	1,500.00	4,000.00	76.1	59.4	N924
N737	200 Lower	1,500.00	0.00	True	1,500.00	4,000.00	74.7	59.4	N924
Com 736	200 Lower	1,500.00	1.91	True	1,501.91	4,000.00	68.1	59.4	N924

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan MDD + Fire (All wells +2 BPS ON) Distribution System
Junction Report
Fire Flow - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	MDD (gpm)	Satisfies Fire Flow Constraints?	Total Flow Needed (Fire Flow + MDD) (gpm)	Available Flow at 20 psi Min. Residual Pressure (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
Com 735	200 Lower	1,500.00	0.00	True	1,500.00	4,000.00	68.0	59.4	N924
N734	200 Lower	1,000.00	2.55	True	1,002.55	2,023.85	64.2	49.0	N709
N733	200 Upper	1,000.00	7.15	True	1,007.15	2,411.67	54.8	60.4	N945
N732	200 Upper	1,000.00	2.04	True	1,002.04	1,963.15	90.6	58.4	N942
Com 731	200 Lower	1,500.00	0.00	True	1,500.00	4,000.00	76.2	59.4	N924
N730	200 Lower	1,500.00	0.00	True	1,500.00	4,000.00	75.3	59.4	N924
Com 728	200 Lower	1,500.00	0.00	True	1,500.00	4,000.00	72.0	59.4	N924
N727	200 Upper	1,000.00	3.06	True	1,003.06	1,914.91	90.6	56.5	N942
Com 724	200 Lower	1,500.00	0.00	True	1,500.00	4,000.00	76.3	59.4	N924
N723	200 Lower	1,000.00	3.06	True	1,003.06	1,900.95	70.1	52.7	N709
Com 722	200 Lower	1,500.00	1.91	True	1,501.91	4,000.00	67.6	59.4	N924
N721	200 Lower	1,000.00	2.55	True	1,002.55	1,767.83	59.4	51.3	N709
N720	200 Upper	1,000.00	6.64	True	1,006.64	3,991.88	75.5	61.6	N733
N716	200 Upper	1,000.00	6.64	True	1,006.64	2,845.89	63.3	57.5	N733
N714	200 Upper	1,000.00	1.02	True	1,001.02	3,739.72	78.2	59.7	N733
Com 713	200 Lower	1,500.00	3.83	True	1,503.83	3,092.09	59.8	59.4	N924
Com 756	200 Lower	1,500.00	3.83	True	1,503.83	2,787.38	65.5	51.6	N930
N923	200 Upper	1,000.00	2.04	True	1,002.04	1,469.70	66.9	59.7	N780
N924	200 Lower	1,000.00	2.55	True	1,002.55	1,553.00	58.5	61.4	N922
N929	200 Upper	1,000.00	3.06	True	1,003.06	1,629.07	76.0	61.7	N733
N931	200 Lower	1,000.00	0.00	True	1,000.00	1,170.20	35.5	35.9	N894

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan MDD + Fire (All wells +2 BPS ON) Distribution System
Junction Report
Fire Flow - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	MDD (gpm)	Satisfies Fire Flow Constraints?	Total Flow Needed (Fire Flow + MDD) (gpm)	Available Flow at 20 psi Min. Residual Pressure (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
N934	200 Lower	1,000.00	0.00	True	1,000.00	4,000.00	128.4	59.4	N930
N935	200 Upper	1,000.00	0.00	True	1,000.00	2,384.68	102.1	61.6	N733
N942	200 Upper	1,000.00	0.00	True	1,000.00	1,363.57	49.8	59.1	N729
N945	200 Upper	1,000.00	0.51	True	1,000.51	2,493.11	57.4	56.6	N733
N917	200 Lower	1,000.00	3.06	False	1,003.06	450.76	-199.7	-17.1	N894
N916	200 Lower	1,000.00	4.08	False	1,004.08	422.90	-343.5	-35.7	N890
N915	200 Lower	1,000.00	1.02	False	1,001.02	674.27	-78.6	8.7	N907
N914	200 Lower	1,000.00	1.53	False	1,001.53	661.74	-110.2	26.7	N901
N913	200 Lower	1,000.00	2.04	False	1,002.04	509.84	-203.3	-32.8	N900
N912	200 Lower	1,000.00	1.02	False	1,001.02	750.28	-64.1	41.0	N905
N910	200 Lower	1,000.00	0.51	False	1,000.51	633.80	-135.7	-95.5	N908
N909	200 Lower	1,000.00	3.06	False	1,003.06	486.94	-263.3	-2.5	N888
N908	200 Lower	1,000.00	1.02	False	1,001.02	692.41	-95.5	-97.6	N910
N907	200 Lower	1,000.00	3.57	False	1,003.57	939.57	8.7	3.7	N915
N906	200 Lower	1,000.00	8.17	False	1,008.17	397.25	-283.5	-96.6	N884
N904	200 Lower	1,000.00	2.55	False	1,002.55	956.92	12.6	-23.5	N930
N900	200 Lower	1,000.00	4.08	False	1,004.08	754.88	-32.8	-24.7	N913
N899	200 Lower	1,000.00	2.04	False	1,002.04	997.88	19.7	-14.3	N930
N897	200 Lower	1,000.00	6.64	False	1,006.64	872.85	-3.5	-32.9	N930
N894	200 Lower	1,000.00	6.13	False	1,006.13	770.74	-17.1	-7.8	N917
N890	200 Lower	1,000.00	5.11	False	1,005.11	745.75	-35.7	-35.3	N932

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan MDD + Fire (All wells +2 BPS ON) Distribution System
Junction Report
Fire Flow - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	MDD (gpm)	Satisfies Fire Flow Constraints?	Total Flow Needed (Fire Flow + MDD) (gpm)	Available Flow at 20 psi Min. Residual Pressure (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
N888	200 Lower	1,000.00	4.60	False	1,004.60	878.55	-2.5	8.7	N909
N884	200 Lower	1,000.00	7.15	False	1,007.15	585.32	-96.6	-82.0	N906
N879	200 Lower	1,000.00	3.06	False	1,003.06	582.63	-207.0	59.4	N924
N873	200 Lower	1,000.00	4.60	False	1,004.60	688.87	-49.0	-54.9	N927
N872	200 Lower	1,000.00	7.15	False	1,007.15	795.77	-22.2	-49.4	N930
N864	200 Lower	1,000.00	4.60	False	1,004.60	677.43	-102.3	-87.5	N860
N862	200 Lower	1,000.00	12.25	False	1,012.25	817.80	-26.6	-8.3	N864
N860	200 Lower	1,000.00	7.66	False	1,007.66	669.68	-109.2	-86.6	N864
N858	200 Upper	1,000.00	6.13	False	1,006.13	777.33	-34.8	-44.9	N848
N857	200 Lower	1,000.00	5.11	False	1,005.11	689.86	-44.6	-54.9	N927
N855	200 Upper	1,000.00	2.04	False	1,002.04	686.18	-79.7	-13.0	N848
N850	200 Upper	1,000.00	5.62	False	1,005.62	921.85	4.0	-13.0	N848
N848	200 Upper	1,000.00	2.55	False	1,002.55	672.54	-69.5	-34.8	N858
N810 L	200 Lower	1,000.00	5.11	False	1,005.11	187.95	-978.0	-985.9	N925
N844	200 Lower	1,000.00	16.34	False	1,016.34	807.42	-29.7	-1.9	N862
N840	200 Lower	1,000.00	7.15	False	1,007.15	654.07	-73.3	-40.8	N930
N831	200 Lower	1,000.00	10.21	False	1,010.21	709.11	-47.4	-73.9	N930
N825	200 Lower	1,000.00	1.53	False	1,001.53	823.01	-26.9	-23.2	N823
N824	200 Upper	1,000.00	3.57	False	1,003.57	440.30	-344.5	-238.7	N939
N823	200 Lower	1,000.00	1.53	False	1,001.53	621.46	-142.4	-26.9	N825
N819	200 Upper	1,000.00	0.00	False	1,000.00	629.65	-78.9	-14.9	N809

**GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan MDD + Fire (All wells +2 BPS ON) Distribution System
Junction Report
Fire Flow - Time: 0.00 hours**

Label	Zone	Fire Flow (Needed) (gpm)	MDD (gpm)	Satisfies Fire Flow Constraints?	Total Flow Needed (Fire Flow + MDD) (gpm)	Available Flow at 20 psi Min. Residual Pressure (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
N816	200 Upper	1,000.00	4.08	False	1,004.08	809.08	-14.5	6.2	N819
N813	200 Lower	1,000.00	6.64	False	1,006.64	971.78	14.3	59.4	N924
N809	200 Upper	1,000.00	1.53	False	1,001.53	809.98	-14.9	-15.5	N819
N808	200 Lower	1,000.00	8.68	False	1,008.68	285.94	-596.6	-607.2	N930
N807	200 Upper	1,000.00	5.11	False	1,005.11	826.37	-18.6	28.8	N806
N806	200 Upper	1,000.00	3.06	False	1,003.06	943.39	9.5	22.5	N807
N803	200 Lower	1,000.00	4.08	False	1,004.08	940.15	6.1	59.4	N924
N800	200 Lower	1,000.00	7.15	False	1,007.15	882.71	-4.8	4.2	N798
N799	200 Upper	1,000.00	6.13	False	1,006.13	818.72	-8.8	21.3	N819
N798	200 Lower	1,000.00	0.00	False	1,000.00	881.92	-4.4	5.5	N800
N797	200 Lower	1,000.00	6.13	False	1,006.13	908.15	3.7	29.2	N798
N793	200 Lower	1,000.00	1.53	False	1,001.53	938.83	8.1	36.7	N786
N791	200 Lower	1,000.00	3.06	False	1,003.06	533.75	-217.0	59.4	N924
N786	200 Lower	1,000.00	6.13	False	1,006.13	920.27	5.7	49.1	N793
N768	200 Lower	1,000.00	1.53	False	1,001.53	417.42	-209.8	59.4	N924
N745	200 Lower	1,000.00	1.53	False	1,001.53	644.69	-120.4	52.9	N765
N740	200 Lower	1,000.00	3.06	False	1,003.06	421.32	-291.9	-96.7	N710
N729	200 Upper	1,000.00	6.13	False	1,006.13	215.89	-1,206.5	58.4	N942
N726	200 Lower	1,000.00	1.02	False	1,001.02	463.91	-243.4	59.4	N924
N725	200 Lower	1,000.00	6.13	False	1,006.13	618.00	-89.1	-96.7	N710
N719	200 Lower	1,000.00	2.55	False	1,002.55	730.58	-27.6	-37.6	N709

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan MDD + Fire (All wells +2 BPS ON) Distribution System
Junction Report
Fire Flow - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	MDD (gpm)	Satisfies Fire Flow Constraints?	Total Flow Needed (Fire Flow + MDD) (gpm)	Available Flow at 20 psi Min. Residual Pressure (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
N717	200 Lower	1,000.00	1.53	False	1,001.53	534.23	-100.2	-37.6	N709
N712	200 Upper	1,000.00	1.02	False	1,001.02	583.57	-74.7	61.6	N733
N711	200 Lower	1,000.00	1.02	False	1,001.02	580.09	-89.1	51.3	N709
N710	200 Lower	1,000.00	2.55	False	1,002.55	414.05	-274.7	-89.2	N740
N709	200 Lower	1,000.00	1.02	False	1,001.02	445.24	-160.6	-34.2	N717
N708	200 Lower	1,000.00	1.53	False	1,001.53	596.27	-99.5	52.7	N709
N922	200 Lower	1,000.00	4.08	False	1,004.08	434.20	-133.6	56.5	N925
N925	200 Lower	1,000.00	2.55	False	1,002.55	128.22	-1,718.5	-978.0	N810L
N926	200 Upper	1,000.00	4.60	False	1,004.60	998.73	19.8	49.1	N817
N927	200 Lower	1,000.00	5.62	False	1,005.62	572.89	-83.9	-49.4	N930
N928	200 Lower	1,000.00	2.55	False	1,002.55	268.46	-636.8	-607.2	N930
N930	200 Lower	1,000.00	3.57	False	1,003.57	258.47	-625.6	-601.2	N928
N911	200 Lower	1,000.00	1.02	False	1,001.02	410.62	-501.9	-97.6	N910
N932	200 Lower	1,000.00	0.00	False	1,000.00	700.17	-53.1	-35.7	N890
N939	200 Upper	1,000.00	0.00	False	1,000.00	506.16	-238.7	-239.1	N824
N946	200 Upper	1,000.00	0.00	False	1,000.00	852.30	-4.6	10.7	N816

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan PHD 2027 (Wells #1 ON) Distribution System Junction
Report
PHD-NODES - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
778	N930	5,511.00	200 Lower	6.25	5,586.57	32.7
769	N927	5,500.00	200 Lower	9.82	5,588.01	38.1
772	N928	5,497.00	200 Lower	4.47	5,586.57	38.8
191	N808	5,486.36	200 Lower	15.18	5,586.57	43.4
281	N709	5,489.69	200 Lower	1.79	5,600.68	48.0
147	N857	5,476.00	200 Lower	8.93	5,588.02	48.5
274	N717	5,481.95	200 Lower	2.68	5,600.68	51.4
132	N873	5,466.49	200 Lower	8.04	5,588.02	52.6
130	N875	5,463.00	200 Lower	12.50	5,590.51	55.2
228	N768	5,474.00	200 Lower	2.68	5,602.06	55.4
279	N711	5,468.00	200 Lower	1.79	5,599.88	57.1
242	N752	5,468.40	200 Lower	4.47	5,602.07	57.8
273	N719	5,466.53	200 Lower	4.47	5,600.69	58.0
106	N900	5,455.50	200 Lower	7.14	5,590.87	58.6
760	N924	5,503.69	200 Lower	4.47	5,641.07	59.4
169	N831	5,450.40	200 Lower	17.86	5,587.95	59.5
162	N840	5,450.00	200 Lower	12.50	5,588.49	59.9
271	N721	5,460.70	200 Lower	4.47	5,599.88	60.2
123	N883	5,449.73	200 Lower	4.47	5,590.00	60.7
116	N890	5,447.91	200 Lower	8.93	5,588.43	60.8
249	N744	5,460.92	200 Lower	6.25	5,601.91	61.0
821	N932	5,447.11	200 Lower	0.00	5,588.43	61.1
122	N884	5,497.85	200 Lower	12.50	5,640.60	61.8
763	N925	5,496.41	200 Lower	4.47	5,640.12	62.2
754	N922	5,497.00	200 Lower	7.14	5,640.94	62.3
280	N710	5,453.50	200 Lower	4.47	5,598.39	62.7
258	N734	5,454.40	200 Lower	4.47	5,600.72	63.3
133	N872	5,437.55	200 Lower	12.50	5,588.04	65.1
117	N889	5,436.00	200 Lower	3.57	5,589.61	66.5
93	N913	5,436.70	200 Lower	3.57	5,590.86	66.7
118	N888	5,435.70	200 Lower	8.04	5,590.55	67.0
266	N726	5,444.94	200 Lower	1.79	5,600.23	67.2
109	N897	5,431.78	200 Lower	11.61	5,588.46	67.8
282	N708	5,441.91	200 Lower	2.68	5,599.40	68.1
202	N797	5,435.80	200 Lower	10.72	5,594.18	68.5
221	N776	5,441.00	200 Lower	0.00	5,601.14	69.3
187	N812	5,432.91	200 Lower	12.50	5,594.15	69.8
156	N810L	5,478.25	200 Lower	8.93	5,640.20	70.1
90	N916	5,426.35	200 Lower	7.14	5,588.35	70.1
252	N740	5,436.00	200 Lower	5.36	5,598.38	70.3
267	N725	5,435.80	200 Lower	10.72	5,598.41	70.4
128	N878	5,429.24	200 Lower	9.82	5,592.04	70.4
269	N723	5,436.42	200 Lower	5.36	5,599.41	70.5

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan PHD 2027 (Wells #1 ON) Distribution System Junction
Report
PHD-NODES - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
107	N899	5,425.40	200 Lower	3.57	5,589.35	70.9
277	Com713	5,436.00	200 Lower	6.69	5,600.30	71.1
91	N915	5,427.10	200 Lower	1.79	5,591.78	71.3
161	N841	5,428.23	200 Lower	16.97	5,592.99	71.3
139	N865	5,473.64	200 Lower	7.14	5,641.00	72.4
270	Com722	5,432.80	200 Lower	3.35	5,600.28	72.5
259	N733	5,650.52	200 Upper	12.50	5,818.25	72.6
257	Com735	5,430.17	200 Lower	0.00	5,600.27	73.6
256	Com736	5,430.00	200 Lower	3.35	5,600.27	73.7
233	N762	5,430.35	200 Lower	16.97	5,600.92	73.8
102	N904	5,418.00	200 Lower	4.47	5,588.90	73.9
210	N789	5,653.05	200 Upper	8.04	5,824.04	74.0
214	N785	5,651.00	200 Upper	0.00	5,822.90	74.4
955	N945	5,648.00	200 Upper	0.89	5,820.10	74.5
211	N788	5,649.00	200 Upper	0.00	5,822.65	75.1
212	N787	5,649.00	200 Upper	12.50	5,822.90	75.2
236	N758	5,646.82	200 Upper	8.04	5,821.02	75.4
235	N759	5,425.05	200 Lower	3.57	5,599.56	75.5
264	Com728	5,425.64	200 Lower	0.00	5,600.28	75.6
244	N749	5,425.50	200 Lower	0.00	5,600.30	75.6
112	N894	5,465.00	200 Lower	10.72	5,640.66	76.0
99	N907	5,415.57	200 Lower	6.25	5,591.79	76.2
100	N906	5,463.99	200 Lower	14.29	5,640.43	76.3
216	N783	5,423.93	200 Lower	11.61	5,600.86	76.5
226	N770	5,421.40	200 Lower	0.00	5,598.62	76.7
253	Com739	5,423.00	200 Lower	3.35	5,600.26	76.7
251	N741	5,421.19	200 Lower	4.47	5,598.69	76.8
291	Com756	5,421.00	200 Lower	6.69	5,598.62	76.8
230	N766	5,421.20	200 Lower	0.00	5,600.61	77.6
114	N892	5,412.94	200 Lower	10.72	5,592.74	77.8
268	Com724	5,419.95	200 Lower	0.00	5,600.30	78.0
262	N730	5,419.57	200 Lower	0.00	5,600.29	78.2
261	Com731	5,419.57	200 Lower	0.00	5,600.29	78.2
97	N909	5,409.75	200 Lower	5.36	5,590.51	78.2
131	N874	5,460.00	200 Lower	3.57	5,640.98	78.3
201	N798	5,413.00	200 Lower	0.00	5,594.33	78.5
225	N771	5,416.60	200 Lower	3.57	5,598.26	78.6
229	N767	5,417.83	200 Lower	0.00	5,600.41	79.0
254	N738	5,416.92	200 Lower	0.00	5,600.27	79.3
255	N737	5,416.92	200 Lower	0.00	5,600.27	79.3
231	N765	5,417.06	200 Lower	2.68	5,600.46	79.3
88	N919	5,410.68	200 Lower	2.68	5,594.22	79.4
234	N760	5,413.00	200 Lower	17.18	5,598.34	80.2

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan PHD 2027 (Wells #1 ON) Distribution System Junction
Report
PHD-NODES - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
215	N784	5,414.17	200 Lower	5.36	5,599.59	80.2
240	N754	5,414.79	200 Lower	0.00	5,600.24	80.2
213	N786	5,414.02	200 Lower	10.72	5,599.63	80.3
199	N800	5,408.25	200 Lower	12.50	5,594.38	80.5
245	Com748	5,413.98	200 Lower	0.00	5,600.25	80.6
246	N747	5,413.98	200 Lower	3.35	5,600.25	80.6
243	Com750	5,413.18	200 Lower	0.00	5,600.25	80.9
110	N896	5,407.00	200 Lower	3.57	5,594.22	81.0
239	Com755	5,413.00	200 Lower	3.57	5,600.24	81.0
275	N716	5,629.00	200 Upper	11.61	5,816.75	81.2
111	N895	5,405.78	200 Lower	5.36	5,593.72	81.3
786	N931	5,452.24	200 Lower	0.00	5,640.87	81.6
224	N772	5,409.67	200 Lower	0.00	5,600.41	82.5
185	N814	5,402.85	200 Lower	5.36	5,594.52	82.9
241	N753	5,407.50	200 Lower	0.00	5,600.25	83.4
247	Com746	5,407.00	200 Lower	3.35	5,600.25	83.6
125	N881	5,446.88	200 Lower	2.68	5,640.96	84.0
278	N712	5,619.91	200 Upper	1.79	5,814.17	84.0
223	N773	5,403.50	200 Lower	0.89	5,598.30	84.3
209	N790	5,401.28	200 Lower	16.07	5,598.22	85.2
113	N893	5,397.62	200 Lower	10.72	5,594.74	85.3
89	N917	5,443.34	200 Lower	5.36	5,640.64	85.4
198	N801	5,399.80	200 Lower	6.25	5,599.66	86.5
158	N844	5,391.00	200 Lower	28.58	5,592.82	87.3
105	N901	5,391.13	200 Lower	3.57	5,594.72	88.1
142	N862	5,389.00	200 Lower	21.43	5,592.76	88.2
206	N793	5,394.30	200 Lower	2.68	5,598.97	88.6
217	N781	5,393.00	200 Lower	13.40	5,598.26	88.8
200	N799	5,608.75	200 Upper	10.72	5,818.40	90.7
179	N821	5,389.74	200 Lower	8.04	5,599.76	90.9
92	N914	5,383.37	200 Lower	2.68	5,594.72	91.4
186	N813	5,386.00	200 Lower	11.61	5,598.21	91.8
175	N825	5,387.50	200 Lower	2.68	5,599.75	91.8
220	N777	5,388.00	200 Lower	8.04	5,600.56	92.0
272	N720	5,601.32	200 Upper	11.61	5,814.17	92.1
188	N811	5,384.48	200 Lower	15.18	5,598.17	92.5
204	N795	5,382.86	200 Lower	9.82	5,598.27	93.2
197	N802	5,383.09	200 Lower	11.61	5,599.47	93.6
121	N885	5,377.51	200 Lower	8.93	5,595.29	94.2
208	N791	5,380.17	200 Lower	5.36	5,600.19	95.2
177	N823	5,379.11	200 Lower	2.68	5,599.74	95.5
276	N714	5,594.40	200 Upper	1.79	5,815.40	95.6
174	N826	5,373.65	200 Lower	18.75	5,595.71	96.1

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan PHD 2027 (Wells #1 ON) Distribution System Junction
Report
PHD-NODES - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
194	N805	5,375.51	200 Lower	9.82	5,598.13	96.3
96	N910	5,373.76	200 Lower	0.89	5,596.51	96.4
218	N780	5,588.00	200 Upper	15.18	5,810.86	96.4
168	N832	5,372.57	200 Lower	16.07	5,596.23	96.8
184	N815	5,374.85	200 Lower	6.25	5,598.66	96.8
159	N843	5,374.33	200 Lower	13.40	5,598.37	96.9
166	N835	5,374.00	200 Lower	0.00	5,600.00	97.8
98	N908	5,368.96	200 Lower	1.79	5,596.51	98.4
173	N827	5,368.10	200 Lower	6.25	5,596.40	98.8
802	N911	5,367.56	200 Lower	1.79	5,596.50	99.1
183	N816	5,584.97	200 Upper	7.14	5,814.03	99.1
140	N864	5,363.00	200 Lower	8.04	5,592.61	99.3
180	N819	5,586.00	200 Upper	0.00	5,815.62	99.3
966	N946	5,582.99	200 Upper	0.00	5,812.69	99.4
238	N756	5,581.11	200 Upper	21.43	5,811.19	99.5
907	N942	5,581.99	200 Upper	0.00	5,812.27	99.6
178	N822	5,580.25	200 Upper	21.43	5,810.85	99.8
167	N833	5,367.26	200 Lower	8.93	5,598.13	99.9
190	N809	5,584.50	200 Upper	2.68	5,815.62	100.0
94	N912	5,364.00	200 Lower	1.79	5,595.41	100.1
263	N729	5,580.00	200 Upper	10.72	5,811.62	100.2
248	N745	5,368.65	200 Lower	2.68	5,600.56	100.3
101	N905	5,363.45	200 Lower	9.82	5,595.42	100.4
157	N845	5,368.07	200 Lower	4.47	5,600.06	100.4
165	N836	5,369.50	200 Lower	5.36	5,601.92	100.6
144	N860	5,360.13	200 Lower	13.40	5,592.61	100.6
196	N803	5,368.56	200 Lower	7.14	5,602.72	101.3
170	N830	5,362.97	200 Lower	10.72	5,598.07	101.7
172	N828	5,362.88	200 Lower	4.47	5,597.99	101.7
171	N829	5,362.10	200 Lower	8.04	5,598.01	102.1
150	N854	5,361.00	200 Lower	4.47	5,598.05	102.6
155	N847	5,361.75	200 Lower	3.57	5,599.26	102.8
148	N856	5,359.13	200 Lower	6.25	5,598.08	103.4
153	N849	5,359.23	200 Lower	5.36	5,598.94	103.7
145	N859	5,354.80	200 Lower	14.29	5,596.17	104.4
151	N853	5,355.50	200 Lower	8.93	5,598.08	105.0
250	N742	5,568.50	200 Upper	8.93	5,811.95	105.3
138	N866	5,353.69	200 Lower	5.36	5,598.05	105.7
134	N871	5,351.70	200 Lower	6.25	5,596.16	105.8
108	N898	5,347.75	200 Lower	8.93	5,596.52	107.6
115	N891	5,347.17	200 Lower	6.25	5,596.06	107.7
203	N796	5,561.00	200 Upper	8.93	5,810.84	108.1
205	N794	5,560.90	200 Upper	11.61	5,811.06	108.2

**GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan PHD 2027 (Wells #1 ON) Distribution System Junction
Report
PHD-NODES - Time: 0.00 hours**

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
104	N902	5,347.70	200 Lower	19.19	5,598.06	108.3
141	N863	5,347.54	200 Lower	5.36	5,598.04	108.4
103	N903	5,347.24	200 Lower	4.47	5,598.05	108.5
137	N868	5,343.91	200 Lower	4.47	5,598.05	110.0
851	N934	5,343.45	200 Lower	0.00	5,598.11	110.2
164	N837	5,348.50	200 Lower	5.36	5,603.63	110.4
237	N757	5,556.00	200 Upper	5.36	5,812.33	110.9
154	N848	5,552.75	200 Upper	4.47	5,810.24	111.4
129	N877	5,340.05	200 Lower	8.93	5,598.08	111.6
127	N879	5,340.00	200 Lower	5.36	5,599.21	112.1
195	N804	5,546.99	200 Upper	6.25	5,810.73	114.1
219	N778	5,536.03	200 Upper	8.93	5,812.03	119.4
181	N818	5,530.50	200 Upper	8.04	5,810.60	121.2
146	N858	5,529.40	200 Upper	10.72	5,810.25	121.5
192	N807	5,529.77	200 Upper	8.93	5,810.85	121.6
222	N775	5,529.65	200 Upper	7.14	5,811.27	121.8
193	N806	5,526.50	200 Upper	5.36	5,810.91	123.1
163	N838	5,524.50	200 Upper	13.40	5,810.42	123.7
232	N763	5,526.16	200 Upper	3.57	5,812.29	123.8
182	N817	5,521.00	200 Upper	5.36	5,811.01	125.5
775	N929	5,520.00	200 Upper	5.36	5,812.02	126.3
757	N923	5,517.00	200 Upper	3.57	5,810.40	126.9
189	N810U	5,515.00	200 Upper	0.00	5,810.84	128.0
152	N850	5,513.66	200 Upper	9.82	5,810.41	128.4
149	N855	5,508.00	200 Upper	3.57	5,810.40	130.8
176	N824	5,508.00	200 Upper	6.25	5,810.76	131.0
898	N939	5,507.00	200 Upper	0.00	5,810.78	131.4
260	N732	5,507.60	200 Upper	3.57	5,812.27	131.8
766	N926	5,505.00	200 Upper	8.04	5,811.00	132.4
265	N727	5,503.19	200 Upper	5.36	5,812.27	133.7
207	N792	5,497.00	200 Upper	7.14	5,811.14	135.9
874	N935	5,497.29	200 Upper	0.00	5,812.28	136.3
227	N769	5,481.00	200 Upper	4.47	5,812.29	143.3

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan PHD 2027 (Well #1 ON) Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
L794	705	4.0	PVC	88.72	2.27	4.24	130.0
L940	42	4.0	PVC	88.72	2.27	0.25	130.0
L849	662	8.0	PVC	-347.42	2.22	1.71	130.0
L855	744	8.0	PVC	-342.06	2.18	1.86	130.0
L807	586	4.0	PVC	78.01	1.99	2.78	130.0
L764	1,496	8.0	PVC	-304.21	1.94	3.02	130.0
L817	359	4.0	PVC	75.33	1.92	1.60	130.0
L880	682	6.0	PVC	-169.14	1.92	1.88	130.0
L730(2)	478	8.0	PVC	-296.17	1.89	0.92	130.0
L730(1)	968	8.0	PVC	-295.28	1.88	1.85	130.0
L913	191	6.0	PVC	-164.92	1.87	0.50	130.0
L856	428	8.0	PVC	-292.25	1.87	0.80	130.0
L858	181	8.0	PVC	-283.32	1.81	0.32	130.0
L707	855	8.0	PVC	-282.77	1.80	1.51	130.0
L825(1)	361	4.0	PVC	68.19	1.74	1.33	130.0
L825(2)	498	4.0	PVC	68.19	1.74	1.84	130.0
L706	831	8.0	PVC	-271.16	1.73	1.35	130.0
L712	761	8.0	PVC	-269.38	1.72	1.22	130.0
L834	325	6.0	PVC	146.73	1.66	0.69	130.0
L762	1,259	8.0	PVC	-255.98	1.63	1.84	130.0
L888	758	6.0	PVC	-142.90	1.62	1.53	130.0
L753	649	8.0	PVC	253.16	1.62	0.93	130.0
L836	1,124	8.0	PVC	250.92	1.60	1.59	130.0
L914	543	6.0	PVC	134.57	1.53	0.98	130.0
L779	224	8.0	PVC	234.47	1.50	0.28	130.0
L790	1,226	8.0	PVC	222.86	1.42	1.39	130.0
L731	826	6.0	PVC	-119.06	1.35	1.19	130.0
L810	788	8.0	PVC	211.25	1.35	0.81	130.0
L824	691	8.0	PVC	205.00	1.31	0.67	130.0
L811	1,063	4.0	PVC	49.30	1.26	2.16	130.0
L896	673	8.0	PVC	188.14	1.20	0.56	130.0
L714	722	6.0	PVC	-105.67	1.20	0.83	130.0
L841	1,881	4.0	PVC	46.45	1.19	3.42	130.0
L897	1,092	8.0	PVC	-184.02	1.17	0.87	130.0
L766	854	6.0	PVC	102.82	1.17	0.94	130.0
L885	472	6.0	PVC	101.94	1.16	0.51	130.0
L796	1,063	6.0	PVC	101.23	1.15	1.13	130.0
L925	922	4.0	PVC	44.31	1.13	1.53	130.0
L717	460	6.0	PVC	-99.42	1.13	0.47	130.0
L832	1,197	6.0	PVC	97.73	1.11	1.20	130.0
L893	387	6.0	PVC	97.48	1.11	0.38	130.0
L771	631	4.0	PVC	42.80	1.09	0.98	130.0
L768	200	4.0	PVC	42.80	1.09	0.31	130.0
L916	736	8.0	PVC	-171.18	1.09	0.51	130.0
L774	374	6.0	PVC	-96.13	1.09	0.36	130.0

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan PHD 2027 (Well #1 ON) Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen- Williams C
L743	242	8.0	PVC	-166.39	1.06	0.16	130.0
L938	681	4.0	PVC	-41.08	1.05	0.99	130.0
L909	660	4.0	PVC	41.06	1.05	0.95	130.0
L823	413	6.0	PVC	92.37	1.05	0.37	130.0
L740	820	6.0	PVC	-91.38	1.04	0.72	130.0
L920	512	6.0	PVC	90.33	1.03	0.44	130.0
L821	1,442	6.0	PVC	86.90	0.99	1.16	130.0
L853	997	8.0	PVC	-153.76	0.98	0.57	130.0
L759	857	6.0	PVC	86.05	0.98	0.68	130.0
L926	567	6.0	PVC	85.87	0.97	0.45	130.0
L770	557	8.0	PVC	150.71	0.96	0.27	140.0
L886	1,660	4.0	PVC	37.37	0.95	2.02	130.0
L908	952	6.0	PVC	82.80	0.94	0.70	130.0
L784	1,665	8.0	PVC	136.43	0.87	0.76	130.0
L939	948	4.0	PVC	-33.02	0.84	0.92	130.0
L845	567	8.0	PVC	-130.06	0.83	0.24	130.0
L763	653	6.0	PVC	72.22	0.82	0.37	130.0
L792	718	4.0	PVC	32.08	0.82	0.66	130.0
L852	1,760	6.0	PVC	69.93	0.79	0.95	130.0
L918	534	4.0	PVC	30.92	0.79	0.46	130.0
L903	505	6.0	PVC	69.42	0.79	0.27	130.0
L833	1,631	4.0	PVC	30.25	0.77	1.34	130.0
L742	701	6.0	PVC	66.37	0.75	0.34	130.0
L799	899	4.0	PVC	29.40	0.75	0.70	130.0
L741	1,710	6.0	PVC	63.29	0.72	0.76	130.0
L840	2,245	4.0	PVC	25.90	0.66	1.38	130.0
L917	1,097	6.0	PVC	58.18	0.66	0.42	130.0
L870	1,677	4.0	PVC	-24.99	0.64	0.97	130.0
L851	948	4.0	PVC	24.87	0.63	0.54	130.0
L907	1,154	4.0	PVC	24.66	0.63	0.65	130.0
L842	681	8.0	PVC	-97.94	0.63	0.17	130.0
L902	483	4.0	PVC	24.48	0.62	0.27	130.0
L873	1,094	3.0	PVC	13.40	0.61	0.81	130.0
L778	916	8.0	PVC	92.93	0.59	0.21	130.0
L802	552	8.0	PVC	90.83	0.58	0.12	130.0
L830	1,525	6.0	PVC	50.27	0.57	0.45	130.0
L921	678	4.0	PVC	22.30	0.57	0.32	130.0
L894	971	4.0	PVC	-21.69	0.55	0.43	130.0
L865	1,095	4.0	PVC	21.70	0.55	0.49	130.0
P-27	207	4.0	PVC	21.17	0.54	0.09	130.0
P-28	493	4.0	PVC	21.17	0.54	0.21	130.0
L812	658	8.0	PVC	84.58	0.54	0.12	130.0
L739	690	4.0	PVC	20.54	0.52	0.28	130.0
L804	1,236	8.0	PVC	-81.32	0.52	0.22	130.0
L848	255	6.0	PVC	-45.34	0.51	0.06	130.0

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan PHD 2027 (Well #1 ON) Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen- Williams C
L829	967	6.0	PVC	-45.34	0.51	0.23	130.0
L769	373	12.0	PVC	-178.40	0.51	0.03	140.0
L727	75	8.0	PVC	-77.60	0.50	0.01	130.0
L827	1,185	8.0	PVC	76.54	0.49	0.19	130.0
L728	1,333	3.0	PVC	10.72	0.49	0.65	130.0
L780	638	4.0	PVC	18.69	0.48	0.21	130.0
L761	1,597	6.0	PVC	41.86	0.47	0.33	130.0
L808	155	4.0	PVC	17.74	0.45	0.05	130.0
L806	479	4.0	PVC	17.74	0.45	0.15	130.0
L844	739	12.0	PVC	156.65	0.44	0.05	140.0
L889(2)	513	8.0	PVC	67.97	0.43	0.06	140.0
L775	487	6.0	PVC	-37.83	0.43	0.08	130.0
L813	512	4.0	PVC	-16.66	0.43	0.14	130.0
L861	570	12.0	PVC	147.72	0.42	0.04	140.0
L859	980	6.0	PVC	36.88	0.42	0.16	130.0
L782	650	6.0	PVC	36.55	0.41	0.10	130.0
P-57	800	6.0	Ductile Iron	36.36	0.41	0.13	130.0
L750	62	8.0	PVC	-64.21	0.41	0.01	130.0
L772	284	6.0	PVC	-35.90	0.41	0.04	130.0
L748	681	6.0	PVC	-35.90	0.41	0.11	130.0
L747	401	6.0	PVC	35.90	0.41	0.06	130.0
L814	406	4.0	PVC	-15.82	0.40	0.10	130.0
P-9	199	8.0	PVC	63.14	0.40	0.02	130.0
L838	691	8.0	PVC	-62.31	0.40	0.06	140.0
L760	87	8.0	PVC	-60.87	0.39	0.01	130.0
L837	639	8.0	PVC	-58.43	0.37	0.06	130.0
L798	735	12.0	PVC	-130.39	0.37	0.04	130.0
L895	859	4.0	PVC	14.29	0.36	0.18	130.0
L809	776	6.0	PVC	-31.95	0.36	0.10	130.0
L889(1)	410	8.0	PVC	-56.25	0.36	0.03	140.0
P-12	730	8.0	PVC	55.11	0.35	0.06	130.0
L927	708	4.0	PVC	13.05	0.33	0.12	130.0
L826	1,178	6.0	PVC	-29.21	0.33	0.13	130.0
L835	232	8.0	PVC	-50.39	0.32	0.02	130.0
L820	1,039	12.0	PVC	-113.01	0.32	0.05	130.0
L736	266	8.0	PVC	-46.28	0.30	0.02	130.0
L746	307	8.0	PVC	-46.28	0.30	0.02	130.0
L791	842	6.0	PVC	-25.70	0.29	0.07	130.0
L777	359	4.0	PVC	-11.37	0.29	0.05	130.0
L872	1,087	4.0	PVC	-11.29	0.29	0.14	130.0
L818(1)	347	3.0	PVC	6.25	0.28	0.06	130.0
L818(2)	111	3.0	PVC	6.25	0.28	0.02	130.0
L843	1,166	12.0	PVC	-97.82	0.28	0.04	130.0
L891	340	6.0	PVC	-23.85	0.27	0.02	130.0

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan PHD 2027 (Well #1 ON) Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen- Williams C
L788	299	4.0	PVC	-10.47	0.27	0.03	130.0
L815	529	4.0	PVC	10.46	0.27	0.06	130.0
L822	1,385	4.0	PVC	-10.30	0.26	0.15	130.0
L877	590	8.0	PVC	-41.07	0.26	0.03	140.0
L854	1,932	4.0	PVC	10.14	0.26	0.21	130.0
L765	612	6.0	PVC	-20.34	0.23	0.03	130.0
L776	190	8.0	PVC	-35.90	0.23	0.01	130.0
L732	371	4.0	PVC	8.93	0.23	0.03	130.0
L887	529	4.0	PVC	-8.91	0.23	0.04	130.0
L866	1,601	8.0	PVC	-35.42	0.23	0.06	130.0
L884	529	8.0	PVC	-34.57	0.22	0.02	130.0
L882	1,812	6.0	PVC	18.89	0.21	0.09	130.0
L781	653	2.0	PVC	2.03	0.21	0.10	130.0
P-14	777	3.0	PVC	-4.47	0.20	0.07	130.0
L726	78	8.0	PVC	31.32	0.20	0.00	130.0
L725	86	8.0	PVC	-31.32	0.20	0.00	130.0
L716	240	8.0	PVC	-31.32	0.20	0.01	130.0
L869	935	4.0	PVC	-7.73	0.20	0.06	130.0
L757	27	8.0	PVC	28.76	0.18	0.00	130.0
L905	1,361	4.0	PVC	7.14	0.18	0.08	130.0
P-8	799	4.0	PVC	-7.14	0.18	0.04	130.0
L906	771	6.0	PVC	-16.07	0.18	0.03	130.0
L805	642	4.0	PVC	7.03	0.18	0.04	130.0
L734	83	8.0	PVC	-27.97	0.18	0.00	130.0
L733	375	8.0	PVC	-27.97	0.18	0.01	130.0
L839	1,207	4.0	PVC	-6.83	0.17	0.06	130.0
L883	699	8.0	PVC	26.79	0.17	0.02	130.0
L871	630	8.0	PVC	-26.78	0.17	0.01	140.0
L910	340	4.0	PVC	6.25	0.16	0.02	130.0
L738	403	8.0	PVC	-24.63	0.16	0.01	130.0
P-56	731	8.0	Ductile Iron	-23.16	0.15	0.01	130.0
L758	1,341	4.0	PVC	5.36	0.14	0.04	130.0
L720	872	4.0	PVC	5.36	0.14	0.03	130.0
L912	825	4.0	PVC	5.36	0.14	0.03	130.0
L901	1,170	4.0	PVC	5.36	0.14	0.04	130.0
L857	1,445	4.0	PVC	5.36	0.14	0.05	130.0
L828	513	4.0	PVC	5.36	0.14	0.02	130.0
L744	242	8.0	PVC	-21.28	0.14	0.00	130.0
L881	910	8.0	PVC	-21.13	0.13	0.01	130.0
L911	2,004	4.0	PVC	5.10	0.13	0.06	130.0
L729(1)	882	8.0	PVC	-19.65	0.13	0.01	130.0
L729(2)	938	8.0	PVC	-19.65	0.13	0.01	130.0
L745	72	8.0	PVC	-17.94	0.11	0.00	130.0
L721	766	4.0	PVC	4.47	0.11	0.02	130.0

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Action Plan PHD 2027 (Well #1 ON) Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
L919	523	4.0	PVC	4.47	0.11	0.01	130.0
P-18	892	6.0	PVC	-9.82	0.11	0.01	130.0
P-15	1,118	6.0	PVC	8.04	0.09	0.01	130.0
L922	770	4.0	PVC	3.57	0.09	0.01	130.0
L860	371	4.0	PVC	3.57	0.09	0.01	130.0
L867	317	4.0	PVC	-3.26	0.08	0.00	130.0
P-31	433	3.0	PVC	1.79	0.08	0.01	130.0
P23	68	6.0	PVC	6.69	0.08	0.00	130.0
L801	657	4.0	PVC	2.92	0.07	0.01	130.0
P-23	568	6.0	Ductile Iron	6.25	0.07	0.00	130.0
L819	568	3.0	PVC	-1.53	0.07	0.01	130.0
L773	563	12.0	PVC	-24.11	0.07	0.00	140.0
L783	791	4.0	PVC	2.68	0.07	0.01	130.0
L754	1,175	4.0	PVC	2.68	0.07	0.01	130.0
L718	721	4.0	PVC	2.68	0.07	0.01	130.0
L710	284	4.0	PVC	2.68	0.07	0.00	130.0
L923	604	4.0	PVC	2.68	0.07	0.01	130.0
L831	514	4.0	PVC	2.68	0.07	0.00	130.0
L876	432	8.0	PVC	9.82	0.06	0.00	140.0
P-22	671	6.0	Ductile Iron	-5.36	0.06	0.00	130.0
L863	1,074	8.0	PVC	8.04	0.05	0.00	130.0
L864	764	6.0	PVC	4.47	0.05	0.00	130.0
P-20	1,106	6.0	PVC	-4.47	0.05	0.00	130.0
L722	1,339	4.0	PVC	-1.79	0.05	0.01	130.0
L715	627	4.0	PVC	1.79	0.05	0.00	130.0
L713	614	4.0	PVC	1.79	0.05	0.00	130.0
L711	531	4.0	PVC	1.79	0.05	0.00	130.0
L929	355	4.0	PVC	1.79	0.05	0.00	130.0
L928	453	4.0	PVC	1.79	0.05	0.00	130.0
L719	569	8.0	PVC	6.69	0.04	0.00	130.0
L890	1,088	8.0	PVC	6.25	0.04	0.00	140.0
L787	2,371	6.0	PVC	3.52	0.04	0.00	130.0
L723	233	8.0	PVC	-5.36	0.03	0.00	130.0
L797	1,569	4.0	PVC	1.31	0.03	0.00	130.0
P-37	695	8.0	Ductile Iron	4.72	0.03	0.00	130.0
L924	1,583	8.0	PVC	4.47	0.03	0.00	130.0
L874	535	8.0	PVC	4.47	0.03	0.00	140.0
L930	165	4.0	PVC	0.89	0.02	0.00	130.0
L756	234	8.0	PVC	3.35	0.02	0.00	130.0
L749	122	8.0	PVC	3.35	0.02	0.00	130.0
L915	926	8.0	PVC	2.69	0.02	0.00	130.0
L793	226	6.0	PVC	0.00	0.00	0.00	130.0

**GBWC 2024 IRP - Spring Creek Division - 200 Tract
 Action Plan PHD 2027 (Well #1 ON) Distribution System Pipe Report
 PHD-PIPES - Time: 0.00 hours**

Label	Length (Scaled) (ft)	Diameter (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen- Williams C
L737	78	8.0	PVC	0.00	0.00	0.00	130.0
L816	274	4.0	PVC	0.00	0.00	0.00	130.0
P-25(1)	553	6.0	PVC	0.00	0.00	0.00	130.0
L724(1)(1)	819	8.0	PVC	0.00	0.00	0.00	130.0
L735	421	8.0	PVC	0.00	0.00	0.00	130.0
P-25(2)	162	6.0	PVC	0.00	0.00	0.00	130.0
L800	702	4.0	PVC	(N/A)	(N/A)	(N/A)	130.0

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan MDD 2044 (Well #1 ON) Distribution System Junction
Report
MDD - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
778	N930	5,511.00	200 Lower	3.57	5,604.83	40.6
769	N927	5,500.00	200 Lower	5.62	5,605.34	45.6
772	N928	5,497.00	200 Lower	2.55	5,604.83	46.7
191	N808	5,486.36	200 Lower	8.68	5,604.83	51.3
281	N709	5,489.69	200 Lower	1.02	5,609.06	51.6
147	N857	5,476.00	200 Lower	5.11	5,605.35	56.0
274	N717	5,481.95	200 Lower	1.53	5,609.06	55.0
132	N873	5,466.49	200 Lower	4.60	5,605.34	60.1
130	N875	5,463.00	200 Lower	7.15	5,606.23	62.0
228	N768	5,474.00	200 Lower	1.53	5,609.15	58.5
279	N711	5,468.00	200 Lower	1.02	5,609.05	61.0
242	N752	5,468.40	200 Lower	2.55	5,609.15	60.9
273	N719	5,466.53	200 Lower	2.55	5,609.07	61.7
106	N900	5,455.50	200 Lower	4.08	5,606.36	65.3
760	N924	5,503.69	200 Lower	2.55	5,641.07	59.4
169	N831	5,450.40	200 Lower	10.21	5,605.32	67.0
162	N840	5,450.00	200 Lower	7.15	5,605.51	67.3
271	N721	5,460.70	200 Lower	2.55	5,609.05	64.2
123	N883	5,449.73	200 Lower	2.55	5,606.05	67.6
116	N890	5,447.91	200 Lower	5.11	5,605.49	68.2
249	N744	5,460.92	200 Lower	3.57	5,609.14	64.1
821	N932	5,447.11	200 Lower	0.00	5,605.49	68.5
122	N884	5,497.85	200 Lower	7.15	5,640.89	61.9
763	N925	5,496.41	200 Lower	2.55	5,640.74	62.4
754	N922	5,497.00	200 Lower	4.08	5,641.03	62.3
280	N710	5,453.50	200 Lower	2.55	5,608.92	67.2
258	N734	5,454.40	200 Lower	2.55	5,609.08	66.9
133	N872	5,437.55	200 Lower	7.15	5,605.35	72.6
117	N889	5,436.00	200 Lower	2.04	5,605.91	73.5
93	N913	5,436.70	200 Lower	2.04	5,606.35	73.4
118	N888	5,435.70	200 Lower	4.60	5,606.25	73.8
266	N726	5,444.94	200 Lower	1.02	5,609.83	71.3
109	N897	5,431.78	200 Lower	6.64	5,605.50	75.2
282	N708	5,441.91	200 Lower	1.53	5,609.03	72.3
202	N797	5,435.80	200 Lower	6.13	5,607.51	74.3
221	N776	5,441.00	200 Lower	0.00	5,609.05	72.7
187	N812	5,432.91	200 Lower	7.15	5,607.50	75.5
156	N810L	5,478.25	200 Lower	5.11	5,640.76	70.3
90	N916	5,426.35	200 Lower	4.08	5,605.46	77.5
252	N740	5,436.00	200 Lower	3.06	5,608.92	74.8
267	N725	5,435.80	200 Lower	6.13	5,608.93	74.9
128	N878	5,429.24	200 Lower	5.62	5,606.77	76.8
269	N723	5,436.42	200 Lower	3.06	5,609.04	74.7

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan MDD 2044 (Well #1 ON) Distribution System Junction
Report
MDD - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
107	N899	5,425.40	200 Lower	2.04	5,605.82	78.1
277	Com713	5,436.00	200 Lower	3.83	5,609.83	75.2
91	N915	5,427.10	200 Lower	1.02	5,606.69	77.7
161	N841	5,428.23	200 Lower	9.70	5,607.10	77.4
139	N865	5,473.64	200 Lower	4.08	5,641.05	72.4
270	Com722	5,432.80	200 Lower	1.91	5,609.83	76.6
259	N733	5,650.52	200 Upper	7.15	5,824.90	75.4
257	Com735	5,430.17	200 Lower	0.00	5,609.83	77.7
256	Com736	5,430.00	200 Lower	1.91	5,609.83	77.8
233	N762	5,430.35	200 Lower	9.70	5,609.02	77.3
102	N904	5,418.00	200 Lower	2.55	5,605.66	81.2
210	N789	5,653.05	200 Upper	4.60	5,826.95	75.2
214	N785	5,651.00	200 Upper	0.00	5,826.55	76.0
955	N945	5,648.00	200 Upper	0.51	5,825.56	76.8
211	N788	5,649.00	200 Upper	0.00	5,826.46	76.8
212	N787	5,649.00	200 Upper	7.15	5,826.55	76.8
236	N758	5,646.82	200 Upper	4.60	5,825.88	77.5
235	N759	5,425.05	200 Lower	2.04	5,609.75	79.9
264	Com728	5,425.64	200 Lower	0.00	5,609.83	79.7
244	N749	5,425.50	200 Lower	0.00	5,609.94	79.8
112	N894	5,465.00	200 Lower	6.13	5,640.92	76.1
99	N907	5,415.57	200 Lower	3.57	5,606.69	82.7
100	N906	5,463.99	200 Lower	8.17	5,640.83	76.5
216	N783	5,423.93	200 Lower	6.64	5,609.02	80.1
226	N770	5,421.40	200 Lower	0.00	5,609.27	81.3
253	Com739	5,423.00	200 Lower	1.91	5,609.83	80.8
251	N741	5,421.19	200 Lower	2.55	5,609.03	81.3
291	Com756	5,421.00	200 Lower	3.83	5,609.27	81.5
230	N766	5,421.20	200 Lower	0.00	5,609.00	81.3
114	N892	5,412.94	200 Lower	6.13	5,607.03	84.0
268	Com724	5,419.95	200 Lower	0.00	5,609.83	82.2
262	N730	5,419.57	200 Lower	0.00	5,609.83	82.3
261	Com731	5,419.57	200 Lower	0.00	5,609.83	82.3
97	N909	5,409.75	200 Lower	3.06	5,606.23	85.0
131	N874	5,460.00	200 Lower	2.04	5,641.04	78.3
201	N798	5,413.00	200 Lower	0.00	5,607.56	84.2
225	N771	5,416.60	200 Lower	2.04	5,609.08	83.3
229	N767	5,417.83	200 Lower	0.00	5,610.13	83.2
254	N738	5,416.92	200 Lower	0.00	5,609.83	83.5
255	N737	5,416.92	200 Lower	0.00	5,609.83	83.5
231	N765	5,417.06	200 Lower	1.53	5,610.20	83.6
88	N919	5,410.68	200 Lower	1.53	5,607.56	85.2
234	N760	5,413.00	200 Lower	9.82	5,609.03	84.8

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan MDD 2044 (Well #1 ON) Distribution System Junction
Report
MDD - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
215	N784	5,414.17	200 Lower	3.06	5,609.91	84.7
240	N754	5,414.79	200 Lower	0.00	5,609.84	84.4
213	N786	5,414.02	200 Lower	6.13	5,608.93	84.3
199	N800	5,408.25	200 Lower	7.15	5,607.58	86.2
245	Com748	5,413.98	200 Lower	0.00	5,609.83	84.7
246	N747	5,413.98	200 Lower	1.91	5,609.83	84.7
243	Com750	5,413.18	200 Lower	0.00	5,609.83	85.1
110	N896	5,407.00	200 Lower	2.04	5,607.56	86.8
239	Com755	5,413.00	200 Lower	2.04	5,609.83	85.2
275	N716	5,629.00	200 Upper	6.64	5,824.37	84.5
111	N895	5,405.78	200 Lower	3.06	5,607.38	87.2
786	N931	5,452.24	200 Lower	0.00	5,641.00	81.7
224	N772	5,409.67	200 Lower	0.00	5,610.11	86.7
185	N814	5,402.85	200 Lower	3.06	5,607.63	88.6
241	N753	5,407.50	200 Lower	0.00	5,609.83	87.5
247	Com746	5,407.00	200 Lower	1.91	5,609.83	87.8
125	N881	5,446.88	200 Lower	1.53	5,641.03	84.0
278	N712	5,619.91	200 Upper	1.02	5,823.45	88.1
223	N773	5,403.50	200 Lower	0.51	5,608.97	88.9
209	N790	5,401.28	200 Lower	9.19	5,609.07	89.9
113	N893	5,397.62	200 Lower	6.13	5,607.75	90.9
89	N917	5,443.34	200 Lower	3.06	5,640.91	85.5
198	N801	5,399.80	200 Lower	3.57	5,610.15	91.0
158	N844	5,391.00	200 Lower	16.34	5,607.05	93.5
105	N901	5,391.13	200 Lower	2.04	5,607.74	93.7
142	N862	5,389.00	200 Lower	12.25	5,607.03	94.3
206	N793	5,394.30	200 Lower	1.53	5,608.91	92.9
217	N781	5,393.00	200 Lower	7.66	5,608.92	93.4
200	N799	5,608.75	200 Upper	6.13	5,824.95	93.5
179	N821	5,389.74	200 Lower	4.60	5,610.40	95.5
92	N914	5,383.37	200 Lower	1.53	5,607.74	97.1
186	N813	5,386.00	200 Lower	6.64	5,609.12	96.5
175	N825	5,387.50	200 Lower	1.53	5,610.39	96.4
220	N777	5,388.00	200 Lower	4.60	5,610.36	96.2
272	N720	5,601.32	200 Upper	6.64	5,823.45	96.1
188	N811	5,384.48	200 Lower	8.68	5,609.07	97.2
204	N795	5,382.86	200 Lower	5.62	5,608.90	97.8
197	N802	5,383.09	200 Lower	6.64	5,608.89	97.7
121	N885	5,377.51	200 Lower	5.11	5,607.95	99.7
208	N791	5,380.17	200 Lower	3.06	5,609.82	99.4
177	N823	5,379.11	200 Lower	1.53	5,610.39	100.1
276	N714	5,594.40	200 Upper	1.02	5,823.88	99.3
174	N826	5,373.65	200 Lower	10.72	5,608.05	101.4

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan MDD 2044 (Well #1 ON) Distribution System Junction
Report
MDD - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
194	N805	5,375.51	200 Lower	5.62	5,608.90	101.0
96	N910	5,373.76	200 Lower	0.51	5,608.53	101.6
218	N780	5,588.00	200 Upper	8.68	5,822.27	101.4
168	N832	5,372.57	200 Lower	9.19	5,608.25	102.0
184	N815	5,374.85	200 Lower	3.57	5,608.82	101.2
159	N843	5,374.33	200 Lower	7.66	5,609.32	101.7
166	N835	5,374.00	200 Lower	0.00	5,610.80	102.5
98	N908	5,368.96	200 Lower	1.02	5,608.53	103.7
173	N827	5,368.10	200 Lower	3.57	5,608.29	103.9
802	N911	5,367.56	200 Lower	1.02	5,608.53	104.3
183	N816	5,584.97	200 Upper	4.08	5,823.40	103.2
140	N864	5,363.00	200 Lower	4.60	5,606.98	105.6
180	N819	5,586.00	200 Upper	0.00	5,823.97	103.0
966	N946	5,582.99	200 Upper	0.00	5,822.93	103.8
238	N756	5,581.11	200 Upper	12.25	5,822.39	104.4
907	N942	5,581.99	200 Upper	0.00	5,822.77	104.2
178	N822	5,580.25	200 Upper	12.25	5,822.27	104.7
167	N833	5,367.26	200 Lower	5.11	5,609.07	104.6
190	N809	5,584.50	200 Upper	1.53	5,823.97	103.6
94	N912	5,364.00	200 Lower	1.02	5,608.02	105.6
263	N729	5,580.00	200 Upper	6.13	5,822.54	104.9
248	N745	5,368.65	200 Lower	1.53	5,610.36	104.6
101	N905	5,363.45	200 Lower	5.62	5,608.02	105.8
157	N845	5,368.07	200 Lower	2.55	5,610.91	105.1
165	N836	5,369.50	200 Lower	3.06	5,612.74	105.2
144	N860	5,360.13	200 Lower	7.66	5,606.98	106.8
196	N803	5,368.56	200 Lower	4.08	5,612.96	105.7
170	N830	5,362.97	200 Lower	6.13	5,608.92	106.4
172	N828	5,362.88	200 Lower	2.55	5,608.76	106.4
171	N829	5,362.10	200 Lower	4.60	5,608.80	106.7
150	N854	5,361.00	200 Lower	2.55	5,609.10	107.3
155	N847	5,361.75	200 Lower	2.04	5,610.19	107.5
148	N856	5,359.13	200 Lower	3.57	5,609.15	108.2
153	N849	5,359.23	200 Lower	3.06	5,609.89	108.5
145	N859	5,354.80	200 Lower	8.17	5,608.25	109.7
151	N853	5,355.50	200 Lower	5.11	5,609.06	109.7
250	N742	5,568.50	200 Upper	5.11	5,822.66	110.0
138	N866	5,353.69	200 Lower	3.06	5,609.10	110.5
134	N871	5,351.70	200 Lower	3.57	5,608.25	111.0
108	N898	5,347.75	200 Lower	5.11	5,608.54	112.8
115	N891	5,347.17	200 Lower	3.57	5,608.33	113.0
203	N796	5,561.00	200 Upper	5.11	5,822.27	113.0
205	N794	5,560.90	200 Upper	6.64	5,822.35	113.1

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan MDD 2044 (Well #1 ON) Distribution System Junction
Report
MDD - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
104	N902	5,347.70	200 Lower	10.97	5,609.18	113.1
141	N863	5,347.54	200 Lower	3.06	5,609.05	113.1
103	N903	5,347.24	200 Lower	2.55	5,609.18	113.3
137	N868	5,343.91	200 Lower	2.55	5,609.10	114.7
851	N934	5,343.45	200 Lower	0.00	5,609.20	115.0
164	N837	5,348.50	200 Lower	3.06	5,614.40	115.0
237	N757	5,556.00	200 Upper	3.06	5,822.79	115.4
154	N848	5,552.75	200 Upper	2.55	5,822.06	116.5
129	N877	5,340.05	200 Lower	5.11	5,609.15	116.4
127	N879	5,340.00	200 Lower	3.06	5,610.17	116.9
195	N804	5,546.99	200 Upper	3.57	5,822.23	119.1
219	N778	5,536.03	200 Upper	5.11	5,822.69	124.0
181	N818	5,530.50	200 Upper	4.60	5,822.18	126.2
146	N858	5,529.40	200 Upper	6.13	5,822.06	126.6
192	N807	5,529.77	200 Upper	5.11	5,822.27	126.6
222	N775	5,529.65	200 Upper	4.08	5,822.42	126.7
193	N806	5,526.50	200 Upper	3.06	5,822.29	128.0
163	N838	5,524.50	200 Upper	7.66	5,822.11	128.8
232	N763	5,526.16	200 Upper	2.04	5,822.78	128.3
182	N817	5,521.00	200 Upper	3.06	5,822.33	130.4
775	N929	5,520.00	200 Upper	3.06	5,822.69	131.0
757	N923	5,517.00	200 Upper	2.04	5,822.11	132.0
189	N810U	5,515.00	200 Upper	0.00	5,822.27	132.9
152	N850	5,513.66	200 Upper	5.62	5,822.12	133.5
149	N855	5,508.00	200 Upper	2.04	5,822.12	135.9
176	N824	5,508.00	200 Upper	3.57	5,822.24	136.0
898	N939	5,507.00	200 Upper	0.00	5,822.25	136.4
260	N732	5,507.60	200 Upper	2.04	5,822.77	136.4
766	N926	5,505.00	200 Upper	4.60	5,822.32	137.3
265	N727	5,503.19	200 Upper	3.06	5,822.77	138.3
207	N792	5,497.00	200 Upper	4.08	5,822.37	140.8
874	N935	5,497.29	200 Upper	0.00	5,822.78	140.8
227	N769	5,481.00	200 Upper	2.55	5,822.78	147.9

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan MDD + Fire 2044 (All Wells + 2 BPs On) Distribution
System Junction Report
Fire Flow - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	MDD (gpm)	Satisfies Fire Flow Constraints?	Total Flow Needed (Fire Flow + MDD) (gpm)	Available Flow at 20 psi Min. Residual Pressure (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
N919	200 Lower	1,000.00	1.53	True	1,001.53	2,686.56	98.9	54.3	N930
N905	200 Lower	1,000.00	5.62	True	1,005.62	1,114.79	41.0	40.8	N912
N903	200 Lower	1,000.00	2.55	True	1,002.55	2,384.20	111.1	59.2	N930
N902	200 Lower	1,000.00	10.97	True	1,010.97	3,811.39	123.5	59.2	N930
N901	200 Lower	1,000.00	2.04	True	1,002.04	1,036.26	26.7	30.0	N914
N898	200 Lower	1,000.00	5.11	True	1,005.11	1,073.90	35.1	23.9	N910
N896	200 Lower	1,000.00	2.04	True	1,002.04	2,994.11	100.0	53.8	N930
N895	200 Lower	1,000.00	3.06	True	1,003.06	2,662.82	96.3	49.9	N930
N893	200 Lower	1,000.00	6.13	True	1,006.13	3,146.69	103.0	54.7	N930
N892	200 Lower	1,000.00	6.13	True	1,006.13	2,014.33	82.3	39.7	N930
N891	200 Lower	1,000.00	3.57	True	1,003.57	1,000.82	20.2	47.2	N910
N889	200 Lower	1,000.00	2.04	True	1,002.04	1,010.11	21.5	-8.7	N930
N885	200 Lower	1,000.00	5.11	True	1,005.11	3,470.99	111.8	55.5	N930
N883	200 Lower	1,000.00	2.55	True	1,002.55	1,038.25	25.0	-0.5	N930
N881	200 Lower	1,000.00	1.53	True	1,001.53	1,498.75	66.2	53.3	N922
N878	200 Lower	1,000.00	5.62	True	1,005.62	1,609.91	66.3	30.4	N930
N877	200 Lower	1,000.00	5.11	True	1,005.11	4,000.00	129.4	59.3	N930
N875	200 Lower	1,000.00	7.15	True	1,007.15	1,121.75	33.1	11.7	N930
N874	200 Lower	1,000.00	2.04	True	1,002.04	1,571.88	68.7	52.7	N922
N871	200 Lower	1,000.00	3.57	True	1,003.57	4,000.00	123.5	57.0	N930
N868	200 Lower	1,000.00	2.55	True	1,002.55	4,000.00	127.7	59.2	N930

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan MDD + Fire 2044 (All Wells + 2 BPs On) Distribution
System Junction Report
Fire Flow - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	MDD (gpm)	Satisfies Fire Flow Constraints?	Total Flow Needed (Fire Flow + MDD) (gpm)	Available Flow at 20 psi Min. Residual Pressure (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
N866	200 Lower	1,000.00	3.06	True	1,003.06	3,805.71	120.4	59.2	N930
N865	200 Lower	1,000.00	4.08	True	1,004.08	1,578.80	66.2	56.1	N922
N863	200 Lower	1,000.00	3.06	True	1,003.06	4,000.00	126.6	59.2	N930
N859	200 Lower	1,000.00	8.17	True	1,008.17	3,678.91	120.2	57.5	N930
N856	200 Lower	1,000.00	3.57	True	1,003.57	2,984.74	113.6	59.3	N930
N854	200 Lower	1,000.00	2.55	True	1,002.55	3,115.56	113.6	59.2	N930
N853	200 Lower	1,000.00	5.11	True	1,005.11	4,000.00	123.1	59.3	N930
N849	200 Lower	1,000.00	3.06	True	1,003.06	4,000.00	121.3	59.4	N924
N847	200 Lower	1,000.00	2.04	True	1,002.04	4,000.00	119.8	59.4	N924
N845	200 Lower	1,000.00	2.55	True	1,002.55	4,000.00	116.2	59.4	N924
N843	200 Lower	1,000.00	7.66	True	1,007.66	4,000.00	114.2	59.4	N924
N841	200 Lower	1,000.00	9.70	True	1,009.70	1,478.37	61.8	40.6	N930
N838	200 Upper	1,000.00	7.66	True	1,007.66	1,469.46	65.4	59.7	N780
N837	200 Lower	1,000.00	3.06	True	1,003.06	3,148.82	121.2	59.4	N924
N836	200 Lower	1,000.00	3.06	True	1,003.06	3,375.84	113.5	59.4	N924
N835	200 Lower	1,000.00	0.00	True	1,000.00	3,215.50	108.7	59.4	N924
N833	200 Lower	1,000.00	5.11	True	1,005.11	4,000.00	117.9	59.4	N930
N832	200 Lower	1,000.00	9.19	True	1,009.19	3,628.81	111.9	57.7	N930
N830	200 Lower	1,000.00	6.13	True	1,006.13	4,000.00	118.0	59.4	N924
N829	200 Lower	1,000.00	4.60	True	1,004.60	4,000.00	117.2	59.4	N924
N828	200 Lower	1,000.00	2.55	True	1,002.55	4,000.00	116.7	59.4	N924

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan MDD + Fire 2044 (All Wells + 2 BPs On) Distribution
System Junction Report
Fire Flow - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	MDD (gpm)	Satisfies Fire Flow Constraints?	Total Flow Needed (Fire Flow + MDD) (gpm)	Available Flow at 20 psi Min. Residual Pressure (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
N827	200 Lower	1,000.00	3.57	True	1,003.57	3,901.72	114.1	57.9	N930
N826	200 Lower	1,000.00	10.72	True	1,010.72	2,766.05	105.3	55.0	N930
N822	200 Upper	1,000.00	12.25	True	1,012.25	1,045.59	25.6	37.4	N848
N821	200 Lower	1,000.00	4.60	True	1,004.60	2,268.55	91.4	59.4	N924
N818	200 Upper	1,000.00	4.60	True	1,004.60	1,651.63	72.9	59.7	N780
N817	200 Upper	1,000.00	3.06	True	1,003.06	1,222.01	49.1	51.7	N806
N815	200 Lower	1,000.00	3.57	True	1,003.57	4,000.00	108.7	59.4	N924
N814	200 Lower	1,000.00	3.06	True	1,003.06	1,854.54	80.7	49.9	N930
N812	200 Lower	1,000.00	7.15	True	1,007.15	1,640.76	66.5	48.2	N930
N811	200 Lower	1,000.00	8.68	True	1,008.68	4,000.00	109.5	59.4	N924
N810 U	200 Upper	1,000.00	0.00	True	1,000.00	1,891.77	85.7	60.0	N780
N805	200 Lower	1,000.00	5.62	True	1,005.62	1,137.51	42.5	59.4	N924
N804	200 Upper	1,000.00	3.57	True	1,003.57	1,727.67	71.4	59.7	N780
N802	200 Lower	1,000.00	6.64	True	1,006.64	3,794.97	103.6	59.4	N924
N801	200 Lower	1,000.00	3.57	True	1,003.57	2,134.92	84.3	59.4	N924
N796	200 Upper	1,000.00	5.11	True	1,005.11	1,814.15	70.2	59.7	N780
N795	200 Lower	1,000.00	5.62	True	1,005.62	1,267.65	55.6	59.2	N709
N794	200 Upper	1,000.00	6.64	True	1,006.64	1,869.17	71.6	61.7	N733
N792	200 Upper	1,000.00	4.08	True	1,004.08	1,632.25	81.6	61.7	N733
N790	200 Lower	1,000.00	9.19	True	1,009.19	4,000.00	101.6	59.4	N924
N789	200 Upper	1,000.00	4.60	True	1,004.60	3,389.88	61.5	61.8	N733

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan MDD + Fire 2044 (All Wells + 2 BPs On) Distribution
System Junction Report
Fire Flow - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	MDD (gpm)	Satisfies Fire Flow Constraints?	Total Flow Needed (Fire Flow + MDD) (gpm)	Available Flow at 20 psi Min. Residual Pressure (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
N788	200 Upper	1,000.00	0.00	True	1,000.00	1,173.71	32.5	38.8	N785
N787	200 Upper	1,000.00	7.15	True	1,007.15	1,288.76	38.3	37.4	N785
N785	200 Upper	1,000.00	0.00	True	1,000.00	1,136.30	30.2	38.3	N787
N784	200 Lower	1,000.00	3.06	True	1,003.06	2,311.57	79.5	59.4	N924
N783	200 Lower	1,000.00	6.64	True	1,006.64	3,545.92	84.9	59.4	N924
N781	200 Lower	1,000.00	7.66	True	1,007.66	1,194.94	46.7	58.6	N709
N780	200 Upper	1,000.00	8.68	True	1,008.68	1,620.80	57.9	61.7	N733
N778	200 Upper	1,000.00	5.11	True	1,005.11	2,580.81	90.8	61.7	N733
N777	200 Lower	1,000.00	4.60	True	1,004.60	1,375.75	54.6	52.9	N765
N776	200 Lower	1,000.00	0.00	True	1,000.00	3,432.61	77.4	59.4	N924
N775	200 Upper	1,000.00	4.08	True	1,004.08	2,171.05	87.3	61.7	N733
N773	200 Lower	1,000.00	0.51	True	1,000.51	1,335.22	56.1	58.2	N709
N772	200 Lower	1,000.00	0.00	True	1,000.00	1,627.93	60.1	56.7	N767
N771	200 Lower	1,000.00	2.04	True	1,002.04	4,000.00	94.6	59.4	N924
N770	200 Lower	1,000.00	0.00	True	1,000.00	3,149.36	86.7	59.4	N924
N769	200 Upper	1,000.00	2.55	True	1,002.55	3,221.59	116.8	61.6	N733
N767	200 Lower	1,000.00	0.00	True	1,000.00	1,556.38	55.8	56.6	N765
N766	200 Lower	1,000.00	0.00	True	1,000.00	1,170.35	39.7	57.8	N786
N765	200 Lower	1,000.00	1.53	True	1,001.53	1,429.97	51.2	56.5	N767
N763	200 Upper	1,000.00	2.04	True	1,002.04	2,959.35	97.8	61.6	N733
N762	200 Lower	1,000.00	9.70	True	1,009.70	1,483.25	56.4	59.4	N924

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan MDD + Fire 2044 (All Wells + 2 BPs On) Distribution
System Junction Report
Fire Flow - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	MDD (gpm)	Satisfies Fire Flow Constraints?	Total Flow Needed (Fire Flow + MDD) (gpm)	Available Flow at 20 psi Min. Residual Pressure (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
N760	200 Lower	1,500.00	9.82	True	1,509.82	2,826.91	74.2	49.5	N709
N759	200 Lower	1,000.00	2.04	True	1,002.04	3,193.03	78.7	59.4	N924
N758	200 Upper	1,000.00	4.60	True	1,004.60	2,594.31	58.9	57.5	N733
N757	200 Upper	1,000.00	3.06	True	1,003.06	2,749.17	85.2	61.6	N733
N756	200 Upper	1,000.00	12.25	True	1,012.25	1,433.38	53.0	61.7	N733
Com 755	200 Lower	1,500.00	2.04	True	1,502.04	4,000.00	77.9	59.4	N924
N754	200 Lower	1,000.00	0.00	True	1,000.00	4,000.00	79.9	59.4	N924
N753	200 Lower	1,000.00	0.00	True	1,000.00	4,000.00	82.2	59.4	N924
N752	200 Lower	1,000.00	2.55	True	1,002.55	3,388.75	65.2	59.4	N924
Com 750	200 Lower	1,500.00	0.00	True	1,500.00	4,000.00	78.0	59.4	N924
N749	200 Lower	1,000.00	0.00	True	1,000.00	2,230.82	66.4	59.4	N924
Com 748	200 Lower	1,500.00	0.00	True	1,500.00	4,000.00	77.8	59.4	N924
N747	200 Lower	1,500.00	1.91	True	1,501.91	4,000.00	77.3	59.4	N924
Com 746	200 Lower	1,500.00	1.91	True	1,501.91	3,584.01	74.7	59.4	N924
N744	200 Lower	1,000.00	3.57	True	1,003.57	3,222.02	68.1	59.4	N924
N742	200 Upper	1,000.00	5.11	True	1,005.11	1,788.39	68.1	61.7	N733
N741	200 Lower	1,000.00	2.55	True	1,002.55	2,126.88	80.3	55.2	N709
Com 739	200 Lower	1,500.00	1.91	True	1,501.91	4,000.00	72.0	59.4	N924
N738	200 Lower	1,500.00	0.00	True	1,500.00	4,000.00	76.1	59.4	N924
N737	200 Lower	1,500.00	0.00	True	1,500.00	4,000.00	74.7	59.4	N924
Com 736	200 Lower	1,500.00	1.91	True	1,501.91	4,000.00	68.1	59.4	N924

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan MDD + Fire 2044 (All Wells + 2 BPs On) Distribution
System Junction Report
Fire Flow - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	MDD (gpm)	Satisfies Fire Flow Constraints?	Total Flow Needed (Fire Flow + MDD) (gpm)	Available Flow at 20 psi Min. Residual Pressure (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
Com 735	200 Lower	1,500.00	0.00	True	1,500.00	4,000.00	68.0	59.4	N924
N734	200 Lower	1,000.00	2.55	True	1,002.55	2,023.85	64.2	49.0	N709
N733	200 Upper	1,000.00	7.15	True	1,007.15	2,411.67	54.8	60.4	N945
N732	200 Upper	1,000.00	2.04	True	1,002.04	1,963.15	90.6	58.4	N942
Com 731	200 Lower	1,500.00	0.00	True	1,500.00	4,000.00	76.2	59.4	N924
N730	200 Lower	1,500.00	0.00	True	1,500.00	4,000.00	75.3	59.4	N924
Com 728	200 Lower	1,500.00	0.00	True	1,500.00	4,000.00	72.0	59.4	N924
N727	200 Upper	1,000.00	3.06	True	1,003.06	1,914.91	90.6	56.5	N942
Com 724	200 Lower	1,500.00	0.00	True	1,500.00	4,000.00	76.3	59.4	N924
N723	200 Lower	1,000.00	3.06	True	1,003.06	1,900.95	70.1	52.7	N709
Com 722	200 Lower	1,500.00	1.91	True	1,501.91	4,000.00	67.6	59.4	N924
N721	200 Lower	1,000.00	2.55	True	1,002.55	1,767.83	59.4	51.3	N709
N720	200 Upper	1,000.00	6.64	True	1,006.64	3,991.88	75.5	61.6	N733
N716	200 Upper	1,000.00	6.64	True	1,006.64	2,845.89	63.3	57.5	N733
N714	200 Upper	1,000.00	1.02	True	1,001.02	3,739.72	78.2	59.7	N733
Com 713	200 Lower	1,500.00	3.83	True	1,503.83	3,092.09	59.8	59.4	N924
Com 756	200 Lower	1,500.00	3.83	True	1,503.83	2,787.38	65.5	51.6	N930
N923	200 Upper	1,000.00	2.04	True	1,002.04	1,469.70	66.9	59.7	N780
N924	200 Lower	1,000.00	2.55	True	1,002.55	1,553.00	58.5	61.4	N922
N929	200 Upper	1,000.00	3.06	True	1,003.06	1,629.07	76.0	61.7	N733
N931	200 Lower	1,000.00	0.00	True	1,000.00	1,170.20	35.5	35.9	N894

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan MDD + Fire 2044 (All Wells + 2 BPs On) Distribution
System Junction Report
Fire Flow - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	MDD (gpm)	Satisfies Fire Flow Constraints?	Total Flow Needed (Fire Flow + MDD) (gpm)	Available Flow at 20 psi Min. Residual Pressure (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
N934	200 Lower	1,000.00	0.00	True	1,000.00	4,000.00	128.4	59.4	N930
N935	200 Upper	1,000.00	0.00	True	1,000.00	2,384.68	102.1	61.6	N733
N942	200 Upper	1,000.00	0.00	True	1,000.00	1,363.57	49.8	59.1	N729
N945	200 Upper	1,000.00	0.51	True	1,000.51	2,493.11	57.4	56.6	N733
N917	200 Lower	1,000.00	3.06	False	1,003.06	450.76	-199.7	-17.1	N894
N916	200 Lower	1,000.00	4.08	False	1,004.08	422.90	-343.5	-35.7	N890
N915	200 Lower	1,000.00	1.02	False	1,001.02	674.27	-78.6	8.7	N907
N914	200 Lower	1,000.00	1.53	False	1,001.53	661.74	-110.2	26.7	N901
N913	200 Lower	1,000.00	2.04	False	1,002.04	509.84	-203.3	-32.8	N900
N912	200 Lower	1,000.00	1.02	False	1,001.02	750.28	-64.1	41.0	N905
N910	200 Lower	1,000.00	0.51	False	1,000.51	633.80	-135.7	-95.5	N908
N909	200 Lower	1,000.00	3.06	False	1,003.06	486.94	-263.3	-2.5	N888
N908	200 Lower	1,000.00	1.02	False	1,001.02	692.41	-95.5	-97.6	N910
N907	200 Lower	1,000.00	3.57	False	1,003.57	939.57	8.7	3.7	N915
N906	200 Lower	1,000.00	8.17	False	1,008.17	397.25	-283.5	-96.6	N884
N904	200 Lower	1,000.00	2.55	False	1,002.55	956.92	12.6	-23.5	N930
N900	200 Lower	1,000.00	4.08	False	1,004.08	754.88	-32.8	-24.7	N913
N899	200 Lower	1,000.00	2.04	False	1,002.04	997.88	19.7	-14.3	N930
N897	200 Lower	1,000.00	6.64	False	1,006.64	872.85	-3.5	-32.9	N930
N894	200 Lower	1,000.00	6.13	False	1,006.13	770.74	-17.1	-7.8	N917
N890	200 Lower	1,000.00	5.11	False	1,005.11	745.75	-35.7	-35.3	N932

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan MDD + Fire 2044 (All Wells + 2 BPs On) Distribution
System Junction Report
Fire Flow - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	MDD (gpm)	Satisfies Fire Flow Constraints?	Total Flow Needed (Fire Flow + MDD) (gpm)	Available Flow at 20 psi Min. Residual Pressure (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
N888	200 Lower	1,000.00	4.60	False	1,004.60	878.55	-2.5	8.7	N909
N884	200 Lower	1,000.00	7.15	False	1,007.15	585.32	-96.6	-82.0	N906
N879	200 Lower	1,000.00	3.06	False	1,003.06	582.63	-207.0	59.4	N924
N873	200 Lower	1,000.00	4.60	False	1,004.60	688.87	-49.0	-54.9	N927
N872	200 Lower	1,000.00	7.15	False	1,007.15	795.77	-22.2	-49.4	N930
N864	200 Lower	1,000.00	4.60	False	1,004.60	677.43	-102.3	-87.5	N860
N862	200 Lower	1,000.00	12.25	False	1,012.25	817.80	-26.6	-8.3	N864
N860	200 Lower	1,000.00	7.66	False	1,007.66	669.68	-109.2	-86.6	N864
N858	200 Upper	1,000.00	6.13	False	1,006.13	777.33	-34.8	-44.9	N848
N857	200 Lower	1,000.00	5.11	False	1,005.11	689.86	-44.6	-54.9	N927
N855	200 Upper	1,000.00	2.04	False	1,002.04	686.18	-79.7	-13.0	N848
N850	200 Upper	1,000.00	5.62	False	1,005.62	921.85	4.0	-13.0	N848
N848	200 Upper	1,000.00	2.55	False	1,002.55	672.54	-69.5	-34.8	N858
N810 L	200 Lower	1,000.00	5.11	False	1,005.11	187.95	-978.0	-985.9	N925
N844	200 Lower	1,000.00	16.34	False	1,016.34	807.42	-29.7	-1.9	N862
N840	200 Lower	1,000.00	7.15	False	1,007.15	654.07	-73.3	-40.8	N930
N831	200 Lower	1,000.00	10.21	False	1,010.21	709.11	-47.4	-73.9	N930
N825	200 Lower	1,000.00	1.53	False	1,001.53	823.01	-26.9	-23.2	N823
N824	200 Upper	1,000.00	3.57	False	1,003.57	440.30	-344.5	-238.7	N939
N823	200 Lower	1,000.00	1.53	False	1,001.53	621.46	-142.4	-26.9	N825
N819	200 Upper	1,000.00	0.00	False	1,000.00	629.65	-78.9	-14.9	N809

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan MDD + Fire 2044 (All Wells + 2 BPs On) Distribution
System Junction Report
Fire Flow - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	MDD (gpm)	Satisfies Fire Flow Constraints?	Total Flow Needed (Fire Flow + MDD) (gpm)	Available Flow at 20 psi Min. Residual Pressure (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
N816	200 Upper	1,000.00	4.08	False	1,004.08	809.08	-14.5	6.2	N819
N813	200 Lower	1,000.00	6.64	False	1,006.64	971.78	14.3	59.4	N924
N809	200 Upper	1,000.00	1.53	False	1,001.53	809.98	-14.9	-15.5	N819
N808	200 Lower	1,000.00	8.68	False	1,008.68	285.94	-596.6	-607.2	N930
N807	200 Upper	1,000.00	5.11	False	1,005.11	826.37	-18.6	28.8	N806
N806	200 Upper	1,000.00	3.06	False	1,003.06	943.39	9.5	22.5	N807
N803	200 Lower	1,000.00	4.08	False	1,004.08	940.15	6.1	59.4	N924
N800	200 Lower	1,000.00	7.15	False	1,007.15	882.71	-4.8	4.2	N798
N799	200 Upper	1,000.00	6.13	False	1,006.13	818.72	-8.8	21.3	N819
N798	200 Lower	1,000.00	0.00	False	1,000.00	881.92	-4.4	5.5	N800
N797	200 Lower	1,000.00	6.13	False	1,006.13	908.15	3.7	29.2	N798
N793	200 Lower	1,000.00	1.53	False	1,001.53	938.83	8.1	36.7	N786
N791	200 Lower	1,000.00	3.06	False	1,003.06	533.75	-217.0	59.4	N924
N786	200 Lower	1,000.00	6.13	False	1,006.13	920.27	5.7	49.1	N793
N768	200 Lower	1,000.00	1.53	False	1,001.53	417.42	-209.8	59.4	N924
N745	200 Lower	1,000.00	1.53	False	1,001.53	644.69	-120.4	52.9	N765
N740	200 Lower	1,000.00	3.06	False	1,003.06	421.32	-291.9	-96.7	N710
N729	200 Upper	1,000.00	6.13	False	1,006.13	215.89	-1,206.5	58.4	N942
N726	200 Lower	1,000.00	1.02	False	1,001.02	463.91	-243.4	59.4	N924
N725	200 Lower	1,000.00	6.13	False	1,006.13	618.00	-89.1	-96.7	N710
N719	200 Lower	1,000.00	2.55	False	1,002.55	730.58	-27.6	-37.6	N709

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan MDD + Fire 2044 (All Wells + 2 BPs On) Distribution
System Junction Report
Fire Flow - Time: 0.00 hours

Label	Zone	Fire Flow (Needed) (gpm)	MDD (gpm)	Satisfies Fire Flow Constraints?	Total Flow Needed (Fire Flow + MDD) (gpm)	Available Flow at 20 psi Min. Residual Pressure (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)	Pressure (Calculated Zone Lower Limit @ Total Flow Needed) (psi)	Junction w/ Minimum Pressure (Zone @ Total Flow Needed)
N717	200 Lower	1,000.00	1.53	False	1,001.53	534.23	-100.2	-37.6	N709
N712	200 Upper	1,000.00	1.02	False	1,001.02	583.57	-74.7	61.6	N733
N711	200 Lower	1,000.00	1.02	False	1,001.02	580.09	-89.1	51.3	N709
N710	200 Lower	1,000.00	2.55	False	1,002.55	414.05	-274.7	-89.2	N740
N709	200 Lower	1,000.00	1.02	False	1,001.02	445.24	-160.6	-34.2	N717
N708	200 Lower	1,000.00	1.53	False	1,001.53	596.27	-99.5	52.7	N709
N922	200 Lower	1,000.00	4.08	False	1,004.08	434.20	-133.6	56.5	N925
N925	200 Lower	1,000.00	2.55	False	1,002.55	128.22	-1,718.5	-978.0	N810L
N926	200 Upper	1,000.00	4.60	False	1,004.60	998.73	19.8	49.1	N817
N927	200 Lower	1,000.00	5.62	False	1,005.62	572.89	-83.9	-49.4	N930
N928	200 Lower	1,000.00	2.55	False	1,002.55	268.46	-636.8	-607.2	N930
N930	200 Lower	1,000.00	3.57	False	1,003.57	258.47	-625.6	-601.2	N928
N911	200 Lower	1,000.00	1.02	False	1,001.02	410.62	-501.9	-97.6	N910
N932	200 Lower	1,000.00	0.00	False	1,000.00	700.17	-53.1	-35.7	N890
N939	200 Upper	1,000.00	0.00	False	1,000.00	506.16	-238.7	-239.1	N824
N946	200 Upper	1,000.00	0.00	False	1,000.00	852.30	-4.6	10.7	N816

**GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan PHD 2044 (Wells #1 ON) Distribution System Junction
Report
PHD-NODES - Time: 0.00 hours**

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
778	N930	5,511.00	200 Lower	6.25	5,586.58	32.7
769	N927	5,500.00	200 Lower	9.82	5,588.02	38.1
772	N928	5,497.00	200 Lower	4.46	5,586.58	38.8
191	N808	5,486.36	200 Lower	15.18	5,586.58	43.4
281	N709	5,489.69	200 Lower	1.79	5,600.69	48.0
147	N857	5,476.00	200 Lower	8.93	5,588.03	48.5
274	N717	5,481.95	200 Lower	2.68	5,600.69	51.4
132	N873	5,466.49	200 Lower	8.03	5,588.03	52.6
130	N875	5,463.00	200 Lower	12.50	5,590.52	55.2
228	N768	5,474.00	200 Lower	2.68	5,602.06	55.4
279	N711	5,468.00	200 Lower	1.79	5,599.88	57.1
242	N752	5,468.40	200 Lower	4.46	5,602.07	57.8
273	N719	5,466.53	200 Lower	4.46	5,600.69	58.0
106	N900	5,455.50	200 Lower	7.14	5,590.88	58.6
760	N924	5,503.69	200 Lower	4.46	5,641.07	59.4
169	N831	5,450.40	200 Lower	17.86	5,587.96	59.5
162	N840	5,450.00	200 Lower	12.50	5,588.50	59.9
271	N721	5,460.70	200 Lower	4.46	5,599.89	60.2
123	N883	5,449.73	200 Lower	4.46	5,590.01	60.7
116	N890	5,447.91	200 Lower	8.93	5,588.44	60.8
249	N744	5,460.92	200 Lower	6.25	5,601.91	61.0
821	N932	5,447.11	200 Lower	0.00	5,588.44	61.1
122	N884	5,497.85	200 Lower	12.50	5,640.60	61.8
763	N925	5,496.41	200 Lower	4.46	5,640.12	62.2
754	N922	5,497.00	200 Lower	7.14	5,640.94	62.3
280	N710	5,453.50	200 Lower	4.46	5,598.40	62.7
258	N734	5,454.40	200 Lower	4.46	5,600.72	63.3
133	N872	5,437.55	200 Lower	12.50	5,588.05	65.1
117	N889	5,436.00	200 Lower	3.57	5,589.62	66.5
93	N913	5,436.70	200 Lower	3.57	5,590.87	66.7
118	N888	5,435.70	200 Lower	8.03	5,590.56	67.0
266	N726	5,444.94	200 Lower	1.79	5,600.23	67.2
109	N897	5,431.78	200 Lower	11.61	5,588.47	67.8
282	N708	5,441.91	200 Lower	2.68	5,599.41	68.1
202	N797	5,435.80	200 Lower	10.71	5,594.19	68.5
221	N776	5,441.00	200 Lower	0.00	5,601.14	69.3
187	N812	5,432.91	200 Lower	12.50	5,594.15	69.8
156	N810L	5,478.25	200 Lower	8.93	5,640.20	70.1
90	N916	5,426.35	200 Lower	7.14	5,588.36	70.1
252	N740	5,436.00	200 Lower	5.36	5,598.38	70.3
267	N725	5,435.80	200 Lower	10.71	5,598.41	70.4
128	N878	5,429.24	200 Lower	9.82	5,592.05	70.4
269	N723	5,436.42	200 Lower	5.36	5,599.41	70.5

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan PHD 2044 (Wells #1 ON) Distribution System Junction
Report
PHD-NODES - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
107	N899	5,425.40	200 Lower	3.57	5,589.35	70.9
277	Com713	5,436.00	200 Lower	6.69	5,600.30	71.1
91	N915	5,427.10	200 Lower	1.79	5,591.79	71.3
161	N841	5,428.23	200 Lower	16.96	5,592.99	71.3
139	N865	5,473.64	200 Lower	7.14	5,641.00	72.4
270	Com722	5,432.80	200 Lower	3.34	5,600.28	72.5
259	N733	5,650.52	200 Upper	12.50	5,818.26	72.6
257	Com735	5,430.17	200 Lower	0.00	5,600.27	73.6
256	Com736	5,430.00	200 Lower	3.34	5,600.27	73.7
233	N762	5,430.35	200 Lower	16.96	5,600.93	73.8
102	N904	5,418.00	200 Lower	4.46	5,588.91	73.9
210	N789	5,653.05	200 Upper	8.03	5,824.04	74.0
214	N785	5,651.00	200 Upper	0.00	5,822.90	74.4
955	N945	5,648.00	200 Upper	0.89	5,820.11	74.5
211	N788	5,649.00	200 Upper	0.00	5,822.65	75.1
212	N787	5,649.00	200 Upper	12.50	5,822.90	75.2
236	N758	5,646.82	200 Upper	8.03	5,821.02	75.4
235	N759	5,425.05	200 Lower	3.57	5,599.56	75.5
264	Com728	5,425.64	200 Lower	0.00	5,600.28	75.6
244	N749	5,425.50	200 Lower	0.00	5,600.30	75.6
112	N894	5,465.00	200 Lower	10.71	5,640.66	76.0
99	N907	5,415.57	200 Lower	6.25	5,591.79	76.2
100	N906	5,463.99	200 Lower	14.28	5,640.43	76.3
216	N783	5,423.93	200 Lower	11.61	5,600.86	76.5
226	N770	5,421.40	200 Lower	0.00	5,598.63	76.7
253	Com739	5,423.00	200 Lower	3.34	5,600.26	76.7
251	N741	5,421.19	200 Lower	4.46	5,598.69	76.8
291	Com756	5,421.00	200 Lower	6.69	5,598.63	76.9
230	N766	5,421.20	200 Lower	0.00	5,600.61	77.6
114	N892	5,412.94	200 Lower	10.71	5,592.75	77.8
268	Com724	5,419.95	200 Lower	0.00	5,600.30	78.0
262	N730	5,419.57	200 Lower	0.00	5,600.29	78.2
261	Com731	5,419.57	200 Lower	0.00	5,600.29	78.2
97	N909	5,409.75	200 Lower	5.36	5,590.52	78.2
131	N874	5,460.00	200 Lower	3.57	5,640.99	78.3
201	N798	5,413.00	200 Lower	0.00	5,594.33	78.5
225	N771	5,416.60	200 Lower	3.57	5,598.26	78.6
229	N767	5,417.83	200 Lower	0.00	5,600.42	79.0
254	N738	5,416.92	200 Lower	0.00	5,600.27	79.3
255	N737	5,416.92	200 Lower	0.00	5,600.27	79.3
231	N765	5,417.06	200 Lower	2.68	5,600.46	79.3
88	N919	5,410.68	200 Lower	2.68	5,594.23	79.4
234	N760	5,413.00	200 Lower	17.17	5,598.35	80.2

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan PHD 2044 (Wells #1 ON) Distribution System Junction
Report
PHD-NODES - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
215	N784	5,414.17	200 Lower	5.36	5,599.60	80.2
240	N754	5,414.79	200 Lower	0.00	5,600.24	80.2
213	N786	5,414.02	200 Lower	10.71	5,599.63	80.3
199	N800	5,408.25	200 Lower	12.50	5,594.38	80.5
245	Com748	5,413.98	200 Lower	0.00	5,600.25	80.6
246	N747	5,413.98	200 Lower	3.34	5,600.25	80.6
243	Com750	5,413.18	200 Lower	0.00	5,600.25	80.9
110	N896	5,407.00	200 Lower	3.57	5,594.23	81.0
239	Com755	5,413.00	200 Lower	3.57	5,600.24	81.0
275	N716	5,629.00	200 Upper	11.61	5,816.76	81.2
111	N895	5,405.78	200 Lower	5.36	5,593.73	81.3
786	N931	5,452.24	200 Lower	0.00	5,640.87	81.6
224	N772	5,409.67	200 Lower	0.00	5,600.41	82.5
185	N814	5,402.85	200 Lower	5.36	5,594.52	82.9
241	N753	5,407.50	200 Lower	0.00	5,600.25	83.4
247	Com746	5,407.00	200 Lower	3.34	5,600.25	83.6
125	N881	5,446.88	200 Lower	2.68	5,640.96	84.0
278	N712	5,619.91	200 Upper	1.79	5,814.18	84.0
223	N773	5,403.50	200 Lower	0.89	5,598.30	84.3
209	N790	5,401.28	200 Lower	16.07	5,598.22	85.2
113	N893	5,397.62	200 Lower	10.71	5,594.74	85.3
89	N917	5,443.34	200 Lower	5.36	5,640.64	85.4
198	N801	5,399.80	200 Lower	6.25	5,599.67	86.5
158	N844	5,391.00	200 Lower	28.57	5,592.82	87.3
105	N901	5,391.13	200 Lower	3.57	5,594.73	88.1
142	N862	5,389.00	200 Lower	21.43	5,592.76	88.2
206	N793	5,394.30	200 Lower	2.68	5,598.97	88.6
217	N781	5,393.00	200 Lower	13.39	5,598.27	88.8
200	N799	5,608.75	200 Upper	10.71	5,818.41	90.7
179	N821	5,389.74	200 Lower	8.03	5,599.77	90.9
92	N914	5,383.37	200 Lower	2.68	5,594.72	91.4
186	N813	5,386.00	200 Lower	11.61	5,598.22	91.8
175	N825	5,387.50	200 Lower	2.68	5,599.75	91.8
220	N777	5,388.00	200 Lower	8.03	5,600.56	92.0
272	N720	5,601.32	200 Upper	11.61	5,814.18	92.1
188	N811	5,384.48	200 Lower	15.18	5,598.17	92.5
204	N795	5,382.86	200 Lower	9.82	5,598.27	93.2
197	N802	5,383.09	200 Lower	11.61	5,599.47	93.6
121	N885	5,377.51	200 Lower	8.93	5,595.30	94.2
208	N791	5,380.17	200 Lower	5.36	5,600.19	95.2
177	N823	5,379.11	200 Lower	2.68	5,599.74	95.5
276	N714	5,594.40	200 Upper	1.79	5,815.40	95.6
174	N826	5,373.65	200 Lower	18.75	5,595.72	96.1

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan PHD 2044 (Wells #1 ON) Distribution System Junction
Report
PHD-NODES - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
194	N805	5,375.51	200 Lower	9.82	5,598.13	96.3
96	N910	5,373.76	200 Lower	0.89	5,596.51	96.4
218	N780	5,588.00	200 Upper	15.18	5,810.87	96.4
168	N832	5,372.57	200 Lower	16.07	5,596.24	96.8
184	N815	5,374.85	200 Lower	6.25	5,598.66	96.8
159	N843	5,374.33	200 Lower	13.39	5,598.37	96.9
166	N835	5,374.00	200 Lower	0.00	5,600.00	97.8
98	N908	5,368.96	200 Lower	1.79	5,596.51	98.5
173	N827	5,368.10	200 Lower	6.25	5,596.41	98.8
802	N911	5,367.56	200 Lower	1.79	5,596.51	99.1
183	N816	5,584.97	200 Upper	7.14	5,814.03	99.1
140	N864	5,363.00	200 Lower	8.03	5,592.62	99.3
180	N819	5,586.00	200 Upper	0.00	5,815.63	99.3
966	N946	5,582.99	200 Upper	0.00	5,812.70	99.4
238	N756	5,581.11	200 Upper	21.43	5,811.20	99.5
907	N942	5,581.99	200 Upper	0.00	5,812.28	99.6
178	N822	5,580.25	200 Upper	21.43	5,810.86	99.8
167	N833	5,367.26	200 Lower	8.93	5,598.14	99.9
190	N809	5,584.50	200 Upper	2.68	5,815.63	100.0
94	N912	5,364.00	200 Lower	1.79	5,595.42	100.1
263	N729	5,580.00	200 Upper	10.71	5,811.63	100.2
248	N745	5,368.65	200 Lower	2.68	5,600.56	100.3
101	N905	5,363.45	200 Lower	9.82	5,595.42	100.4
157	N845	5,368.07	200 Lower	4.46	5,600.06	100.4
165	N836	5,369.50	200 Lower	5.36	5,601.92	100.6
144	N860	5,360.13	200 Lower	13.39	5,592.61	100.6
196	N803	5,368.56	200 Lower	7.14	5,602.72	101.3
170	N830	5,362.97	200 Lower	10.71	5,598.07	101.7
172	N828	5,362.88	200 Lower	4.46	5,597.99	101.7
171	N829	5,362.10	200 Lower	8.03	5,598.01	102.1
150	N854	5,361.00	200 Lower	4.46	5,598.06	102.6
155	N847	5,361.75	200 Lower	3.57	5,599.26	102.8
148	N856	5,359.13	200 Lower	6.25	5,598.08	103.4
153	N849	5,359.23	200 Lower	5.36	5,598.94	103.7
145	N859	5,354.80	200 Lower	14.28	5,596.18	104.4
151	N853	5,355.50	200 Lower	8.93	5,598.08	105.0
250	N742	5,568.50	200 Upper	8.93	5,811.96	105.3
138	N866	5,353.69	200 Lower	5.36	5,598.06	105.7
134	N871	5,351.70	200 Lower	6.25	5,596.17	105.8
108	N898	5,347.75	200 Lower	8.93	5,596.53	107.6
115	N891	5,347.17	200 Lower	6.25	5,596.07	107.7
203	N796	5,561.00	200 Upper	8.93	5,810.85	108.1
205	N794	5,560.90	200 Upper	11.61	5,811.07	108.2

**GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan PHD 2044 (Wells #1 ON) Distribution System Junction
Report
PHD-NODES - Time: 0.00 hours**

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
104	N902	5,347.70	200 Lower	19.19	5,598.06	108.3
141	N863	5,347.54	200 Lower	5.36	5,598.05	108.4
103	N903	5,347.24	200 Lower	4.46	5,598.06	108.5
137	N868	5,343.91	200 Lower	4.46	5,598.06	110.0
851	N934	5,343.45	200 Lower	0.00	5,598.12	110.2
164	N837	5,348.50	200 Lower	5.36	5,603.63	110.4
237	N757	5,556.00	200 Upper	5.36	5,812.34	110.9
154	N848	5,552.75	200 Upper	4.46	5,810.25	111.4
129	N877	5,340.05	200 Lower	8.93	5,598.08	111.6
127	N879	5,340.00	200 Lower	5.36	5,599.21	112.1
195	N804	5,546.99	200 Upper	6.25	5,810.74	114.1
219	N778	5,536.03	200 Upper	8.93	5,812.04	119.4
181	N818	5,530.50	200 Upper	8.03	5,810.61	121.2
146	N858	5,529.40	200 Upper	10.71	5,810.26	121.5
192	N807	5,529.77	200 Upper	8.93	5,810.86	121.6
222	N775	5,529.65	200 Upper	7.14	5,811.28	121.8
193	N806	5,526.50	200 Upper	5.36	5,810.92	123.1
163	N838	5,524.50	200 Upper	13.39	5,810.43	123.7
232	N763	5,526.16	200 Upper	3.57	5,812.30	123.8
182	N817	5,521.00	200 Upper	5.36	5,811.02	125.5
775	N929	5,520.00	200 Upper	5.36	5,812.03	126.3
757	N923	5,517.00	200 Upper	3.57	5,810.40	126.9
189	N810U	5,515.00	200 Upper	0.00	5,810.85	128.0
152	N850	5,513.66	200 Upper	9.82	5,810.42	128.4
149	N855	5,508.00	200 Upper	3.57	5,810.41	130.8
176	N824	5,508.00	200 Upper	6.25	5,810.77	131.0
898	N939	5,507.00	200 Upper	0.00	5,810.79	131.4
260	N732	5,507.60	200 Upper	3.57	5,812.28	131.8
766	N926	5,505.00	200 Upper	8.03	5,811.01	132.4
265	N727	5,503.19	200 Upper	5.36	5,812.28	133.7
207	N792	5,497.00	200 Upper	7.14	5,811.15	135.9
874	N935	5,497.29	200 Upper	0.00	5,812.29	136.3
227	N769	5,481.00	200 Upper	4.46	5,812.30	143.3

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan PHD 2044 (Well #1 ON) Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen- Williams C
L794	705	4.0	PVC	88.70	2.26	4.24	130.0
L940	42	4.0	PVC	88.70	2.26	0.25	130.0
L849	662	8.0	PVC	-347.36	2.22	1.71	130.0
L855	744	8.0	PVC	-342.00	2.18	1.86	130.0
L807	586	4.0	PVC	77.99	1.99	2.78	130.0
L764	1,496	8.0	PVC	-304.11	1.94	3.02	130.0
L817	359	4.0	PVC	75.31	1.92	1.60	130.0
L880	682	6.0	PVC	-169.09	1.92	1.88	130.0
L730(2)	478	8.0	PVC	-296.08	1.89	0.92	130.0
L730(1)	968	8.0	PVC	-295.19	1.88	1.85	130.0
L913	191	6.0	PVC	-164.87	1.87	0.50	130.0
L856	428	8.0	PVC	-292.17	1.86	0.80	130.0
L858	181	8.0	PVC	-283.24	1.81	0.32	130.0
L707	855	8.0	PVC	-282.69	1.80	1.50	130.0
L825(1)	361	4.0	PVC	68.17	1.74	1.33	130.0
L825(2)	498	4.0	PVC	68.17	1.74	1.84	130.0
L706	831	8.0	PVC	-271.08	1.73	1.35	130.0
L712	761	8.0	PVC	-269.30	1.72	1.22	130.0
L834	325	6.0	PVC	146.69	1.66	0.69	130.0
L762	1,259	8.0	PVC	-255.90	1.63	1.84	130.0
L888	758	6.0	PVC	-142.86	1.62	1.53	130.0
L753	649	8.0	PVC	253.11	1.62	0.93	130.0
L836	1,124	8.0	PVC	250.85	1.60	1.59	130.0
L914	543	6.0	PVC	134.53	1.53	0.98	130.0
L779	224	8.0	PVC	234.43	1.50	0.28	130.0
L790	1,226	8.0	PVC	222.82	1.42	1.39	130.0
L731	826	6.0	PVC	-119.04	1.35	1.19	130.0
L810	788	8.0	PVC	211.21	1.35	0.81	130.0
L824	691	8.0	PVC	204.96	1.31	0.67	130.0
L811	1,063	4.0	PVC	49.30	1.26	2.16	130.0
L896	673	8.0	PVC	188.09	1.20	0.56	130.0
L714	722	6.0	PVC	-105.65	1.20	0.83	130.0
L841	1,881	4.0	PVC	46.44	1.19	3.42	130.0
L897	1,092	8.0	PVC	-183.97	1.17	0.87	130.0
L766	854	6.0	PVC	102.75	1.17	0.94	130.0
L885	472	6.0	PVC	101.91	1.16	0.51	130.0
L796	1,063	6.0	PVC	101.20	1.15	1.13	130.0
L925	922	4.0	PVC	44.30	1.13	1.53	130.0
L717	460	6.0	PVC	-99.40	1.13	0.47	130.0
L832	1,197	6.0	PVC	97.70	1.11	1.20	130.0
L893	387	6.0	PVC	97.45	1.11	0.38	130.0
L771	631	4.0	PVC	42.79	1.09	0.98	130.0
L768	200	4.0	PVC	42.79	1.09	0.31	130.0
L916	736	8.0	PVC	-171.13	1.09	0.51	130.0
L774	374	6.0	PVC	-96.06	1.09	0.36	130.0

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan PHD 2044 (Well #1 ON) Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen- Williams C
L743	242	8.0	PVC	-166.36	1.06	0.16	130.0
L938	681	4.0	PVC	-41.07	1.05	0.98	130.0
L909	660	4.0	PVC	41.04	1.05	0.95	130.0
L823	413	6.0	PVC	92.35	1.05	0.37	130.0
L740	820	6.0	PVC	-91.37	1.04	0.72	130.0
L920	512	6.0	PVC	90.31	1.02	0.44	130.0
L821	1,442	6.0	PVC	86.87	0.99	1.16	130.0
L853	997	8.0	PVC	-153.71	0.98	0.57	130.0
L759	857	6.0	PVC	85.94	0.98	0.68	130.0
L926	567	6.0	PVC	85.84	0.97	0.45	130.0
L770	557	8.0	PVC	150.67	0.96	0.27	140.0
L886	1,660	4.0	PVC	37.36	0.95	2.01	130.0
L908	952	6.0	PVC	82.77	0.94	0.70	130.0
L784	1,665	8.0	PVC	136.39	0.87	0.76	130.0
L939	948	4.0	PVC	-33.01	0.84	0.92	130.0
L845	567	8.0	PVC	-130.02	0.83	0.24	130.0
L763	653	6.0	PVC	72.20	0.82	0.37	130.0
L792	718	4.0	PVC	32.08	0.82	0.66	130.0
L852	1,760	6.0	PVC	69.91	0.79	0.95	130.0
L918	534	4.0	PVC	30.91	0.79	0.46	130.0
L903	505	6.0	PVC	69.40	0.79	0.27	130.0
L833	1,631	4.0	PVC	30.24	0.77	1.34	130.0
L742	701	6.0	PVC	66.37	0.75	0.34	130.0
L799	899	4.0	PVC	29.40	0.75	0.70	130.0
L741	1,710	6.0	PVC	63.27	0.72	0.76	130.0
L840	2,245	4.0	PVC	25.89	0.66	1.38	130.0
L917	1,097	6.0	PVC	58.17	0.66	0.42	130.0
L870	1,677	4.0	PVC	-24.98	0.64	0.97	130.0
L851	948	4.0	PVC	24.86	0.63	0.54	130.0
L907	1,154	4.0	PVC	24.66	0.63	0.65	130.0
L842	681	8.0	PVC	-97.91	0.62	0.17	130.0
L902	483	4.0	PVC	24.47	0.62	0.27	130.0
L873	1,094	3.0	PVC	13.39	0.61	0.81	130.0
L778	916	8.0	PVC	92.90	0.59	0.21	130.0
L802	552	8.0	PVC	90.80	0.58	0.12	130.0
L830	1,525	6.0	PVC	50.25	0.57	0.44	130.0
L921	678	4.0	PVC	22.30	0.57	0.32	130.0
L894	971	4.0	PVC	-21.69	0.55	0.43	130.0
L865	1,095	4.0	PVC	21.69	0.55	0.49	130.0
P-27	207	4.0	PVC	21.17	0.54	0.09	130.0
P-28	493	4.0	PVC	21.17	0.54	0.21	130.0
L812	658	8.0	PVC	84.55	0.54	0.12	130.0
L739	690	4.0	PVC	20.53	0.52	0.28	130.0
L804	1,236	8.0	PVC	-81.29	0.52	0.22	130.0
L848	255	6.0	PVC	-45.37	0.51	0.06	130.0

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan PHD 2044 (Well #1 ON) Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
L829	967	6.0	PVC	-45.37	0.51	0.23	130.0
L769	373	12.0	PVC	-178.35	0.51	0.03	140.0
L727	75	8.0	PVC	-77.47	0.49	0.01	130.0
L827	1,185	8.0	PVC	76.52	0.49	0.19	130.0
L728	1,333	3.0	PVC	10.71	0.49	0.65	130.0
L780	638	4.0	PVC	18.68	0.48	0.21	130.0
L761	1,597	6.0	PVC	41.85	0.47	0.33	130.0
L808	155	4.0	PVC	17.74	0.45	0.05	130.0
L806	479	4.0	PVC	17.74	0.45	0.15	130.0
L844	739	12.0	PVC	156.60	0.44	0.05	140.0
L889(2)	513	8.0	PVC	67.95	0.43	0.06	140.0
L775	487	6.0	PVC	-37.84	0.43	0.08	130.0
L813	512	4.0	PVC	-16.65	0.43	0.14	130.0
L861	570	12.0	PVC	147.67	0.42	0.04	140.0
L859	980	6.0	PVC	36.86	0.42	0.16	130.0
L782	650	6.0	PVC	36.56	0.41	0.10	130.0
P-57	800	6.0	Ductile Iron	36.35	0.41	0.13	130.0
L750	62	8.0	PVC	-64.09	0.41	0.01	130.0
L772	284	6.0	PVC	-35.91	0.41	0.04	130.0
L748	681	6.0	PVC	-35.91	0.41	0.11	130.0
L747	401	6.0	PVC	35.91	0.41	0.06	130.0
L814	406	4.0	PVC	-15.81	0.40	0.10	130.0
P-9	199	8.0	PVC	63.12	0.40	0.02	130.0
L838	691	8.0	PVC	-62.27	0.40	0.06	140.0
L760	87	8.0	PVC	-60.75	0.39	0.01	130.0
L837	639	8.0	PVC	-58.39	0.37	0.06	130.0
L798	735	12.0	PVC	-130.32	0.37	0.04	130.0
L895	859	4.0	PVC	14.28	0.36	0.18	130.0
L809	776	6.0	PVC	-31.98	0.36	0.10	130.0
L889(1)	410	8.0	PVC	-56.24	0.36	0.03	140.0
P-12	730	8.0	PVC	55.09	0.35	0.06	130.0
L927	708	4.0	PVC	13.05	0.33	0.12	130.0
L826	1,178	6.0	PVC	-29.20	0.33	0.13	130.0
L835	232	8.0	PVC	-50.35	0.32	0.02	130.0
L820	1,039	12.0	PVC	-112.95	0.32	0.05	130.0
L736	266	8.0	PVC	-46.20	0.29	0.02	130.0
L746	307	8.0	PVC	-46.20	0.29	0.02	130.0
L791	842	6.0	PVC	-25.73	0.29	0.07	130.0
L777	359	4.0	PVC	-11.36	0.29	0.05	130.0
L872	1,087	4.0	PVC	-11.29	0.29	0.14	130.0
L818(1)	347	3.0	PVC	6.25	0.28	0.06	130.0
L818(2)	111	3.0	PVC	6.25	0.28	0.02	130.0
L843	1,166	12.0	PVC	-97.77	0.28	0.04	130.0
L891	340	6.0	PVC	-23.84	0.27	0.03	130.0

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan PHD 2044 (Well #1 ON) Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
L788	299	4.0	PVC	-10.47	0.27	0.03	130.0
L815	529	4.0	PVC	10.46	0.27	0.06	130.0
L822	1,385	4.0	PVC	-10.30	0.26	0.15	130.0
L877	590	8.0	PVC	-41.06	0.26	0.03	140.0
L854	1,932	4.0	PVC	10.14	0.26	0.21	130.0
L765	612	6.0	PVC	-20.38	0.23	0.03	130.0
L776	190	8.0	PVC	-35.91	0.23	0.01	130.0
L732	371	4.0	PVC	8.93	0.23	0.03	130.0
L887	529	4.0	PVC	-8.90	0.23	0.04	130.0
L866	1,601	8.0	PVC	-35.41	0.23	0.06	130.0
L884	529	8.0	PVC	-34.56	0.22	0.02	130.0
L882	1,812	6.0	PVC	18.88	0.21	0.09	130.0
L781	653	2.0	PVC	2.03	0.21	0.10	130.0
P-14	777	3.0	PVC	-4.46	0.20	0.07	130.0
L726	78	8.0	PVC	31.27	0.20	0.00	130.0
L725	86	8.0	PVC	-31.27	0.20	0.00	130.0
L716	240	8.0	PVC	-31.27	0.20	0.01	130.0
L869	935	4.0	PVC	-7.73	0.20	0.06	130.0
L757	27	8.0	PVC	28.76	0.18	0.00	130.0
L905	1,361	4.0	PVC	7.14	0.18	0.08	130.0
P-8	799	4.0	PVC	-7.14	0.18	0.05	130.0
L906	771	6.0	PVC	-16.07	0.18	0.03	130.0
L805	642	4.0	PVC	7.03	0.18	0.04	130.0
L734	83	8.0	PVC	-27.93	0.18	0.00	130.0
L733	375	8.0	PVC	-27.93	0.18	0.01	130.0
L839	1,207	4.0	PVC	-6.83	0.17	0.06	130.0
L883	699	8.0	PVC	26.78	0.17	0.02	130.0
L871	630	8.0	PVC	-26.78	0.17	0.01	140.0
L910	340	4.0	PVC	6.25	0.16	0.02	130.0
L738	403	8.0	PVC	-24.58	0.16	0.01	130.0
P-56	731	8.0	Ductile Iron	-23.16	0.15	0.01	130.0
L758	1,341	4.0	PVC	5.36	0.14	0.04	130.0
L720	872	4.0	PVC	5.36	0.14	0.03	130.0
L912	825	4.0	PVC	5.36	0.14	0.03	130.0
L901	1,170	4.0	PVC	5.36	0.14	0.04	130.0
L857	1,445	4.0	PVC	5.36	0.14	0.05	130.0
L828	513	4.0	PVC	5.36	0.14	0.02	130.0
L744	242	8.0	PVC	-21.24	0.14	0.00	130.0
L881	910	8.0	PVC	-21.12	0.13	0.01	130.0
L911	2,004	4.0	PVC	5.10	0.13	0.06	130.0
L729(1)	882	8.0	PVC	-19.64	0.13	0.01	130.0
L729(2)	938	8.0	PVC	-19.64	0.13	0.01	130.0
L745	72	8.0	PVC	-17.89	0.11	0.00	130.0
L721	766	4.0	PVC	4.46	0.11	0.02	130.0

GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan PHD 2044 (Well #1 ON) Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
L919	523	4.0	PVC	4.46	0.11	0.01	130.0
P-18	892	6.0	PVC	-9.82	0.11	0.01	130.0
P-15	1,118	6.0	PVC	8.03	0.09	0.01	130.0
L922	770	4.0	PVC	3.57	0.09	0.01	130.0
L860	371	4.0	PVC	3.57	0.09	0.01	130.0
L867	317	4.0	PVC	-3.25	0.08	0.00	130.0
P-31	433	3.0	PVC	1.79	0.08	0.01	130.0
P23	68	6.0	PVC	6.69	0.08	0.00	130.0
L801	657	4.0	PVC	2.93	0.07	0.01	130.0
P-23	568	6.0	Ductile Iron	6.25	0.07	0.00	130.0
L819	568	3.0	PVC	-1.53	0.07	0.01	130.0
L773	563	12.0	PVC	-24.10	0.07	0.00	140.0
L783	791	4.0	PVC	2.68	0.07	0.01	130.0
L754	1,175	4.0	PVC	2.68	0.07	0.01	130.0
L718	721	4.0	PVC	2.68	0.07	0.01	130.0
L710	284	4.0	PVC	2.68	0.07	0.00	130.0
L923	604	4.0	PVC	2.68	0.07	0.01	130.0
L831	514	4.0	PVC	2.68	0.07	0.00	130.0
L876	432	8.0	PVC	9.82	0.06	0.00	140.0
P-22	671	6.0	Ductile Iron	-5.36	0.06	0.00	130.0
L863	1,074	8.0	PVC	8.03	0.05	0.00	130.0
L864	764	6.0	PVC	4.46	0.05	0.00	130.0
P-20	1,106	6.0	PVC	-4.46	0.05	0.00	130.0
L722	1,339	4.0	PVC	-1.79	0.05	0.01	130.0
L715	627	4.0	PVC	1.79	0.05	0.00	130.0
L713	614	4.0	PVC	1.79	0.05	0.00	130.0
L711	531	4.0	PVC	1.79	0.05	0.00	130.0
L929	355	4.0	PVC	1.79	0.05	0.00	130.0
L928	453	4.0	PVC	1.79	0.05	0.00	130.0
L719	569	8.0	PVC	6.69	0.04	0.00	130.0
L890	1,088	8.0	PVC	6.25	0.04	0.00	140.0
L787	2,371	6.0	PVC	3.51	0.04	0.00	130.0
L723	233	8.0	PVC	-5.36	0.03	0.00	130.0
L797	1,569	4.0	PVC	1.31	0.03	0.00	130.0
P-37	695	8.0	Ductile Iron	4.72	0.03	0.00	130.0
L924	1,583	8.0	PVC	4.46	0.03	0.00	130.0
L874	535	8.0	PVC	4.46	0.03	0.00	140.0
L930	165	4.0	PVC	0.89	0.02	0.00	130.0
L756	234	8.0	PVC	3.34	0.02	0.00	130.0
L749	122	8.0	PVC	3.34	0.02	0.00	130.0
L915	926	8.0	PVC	2.69	0.02	0.00	130.0
L793	226	6.0	PVC	0.00	0.00	0.00	130.0

**GBWC 2024 IRP - Spring Creek Division - 200 Tract
Preferred Plan PHD 2044 (Well #1 ON) Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours**

Label	Length (Scaled) (ft)	Diameter (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen- Williams C
L737	78	8.0	PVC	0.00	0.00	0.00	130.0
L816	274	4.0	PVC	0.00	0.00	0.00	130.0
P-25(1)	553	6.0	PVC	0.00	0.00	0.00	130.0
L724(1)(1)	819	8.0	PVC	0.00	0.00	0.00	130.0
L735	421	8.0	PVC	0.00	0.00	0.00	130.0
P-25(2)	162	6.0	PVC	0.00	0.00	0.00	130.0
L800	702	4.0	PVC	(N/A)	(N/A)	(N/A)	130.0

GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) Static Condition Distribution System Junction Report
Static - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
303	N371	5,733.00	100 Tract SE Zone	0.0	5,727.51	-2.4
389	N353	5,730.70	100 Tract SE Zone	0.0	5,727.51	-1.4
301	N362	5,712.00	100 Tract SE Zone	0.0	5,727.51	6.7
582	N344	5,708.20	100 Tract SE Zone	0.0	5,727.51	8.4
581	N351	5,707.90	100 Tract SE Zone	0.0	5,727.51	8.5
391	N322	5,703.80	100 Tract SE Zone	0.0	5,727.51	10.3
586	N324	5,703.00	100 Tract SE Zone	0.0	5,727.51	10.6
394	N311	5,702.60	100 Tract SE Zone	0.0	5,727.51	10.8
577	N300	5,702.60	100 Tract SE Zone	0.0	5,727.51	10.8
578	N279	5,699.27	100 Tract SE Zone	0.0	5,727.51	12.2
392	N269	5,685.10	100 Tract SE Zone	0.0	5,727.51	18.3
574	N307	5,666.00	400 Tract SE Zone	0.0	5,727.51	26.6
585	N327	5,664.40	100 Tract SE Zone	0.0	5,727.51	27.3
273	N339	5,662.00	100 Tract SE Zone	0.0	5,727.51	28.3
573	N340	5,656.80	400 Tract SE Zone	0.0	5,727.51	30.6
1807	N554	5,653.33	400 Tract SE Zone	0.0	5,727.51	32.1
393	N231	5,653.00	100 Tract SE Zone	0.0	5,727.51	32.2
583	N361	5,651.90	100 Tract SE Zone	0.0	5,727.51	32.7
1854	N568	5,644.00	100 Tract SE Zone	0.0	5,727.51	36.1
269	N289	5,641.00	100 Tract SE Zone	0.0	5,727.51	37.4
348	N462	5,805.00	400 Tract MID Zone	0.0	5,894.74	38.8
400	N292	5,636.20	100 Tract NW Zone	0.0	5,727.03	39.3
306	N320	5,636.50	400 Tract SE Zone	0.0	5,727.51	39.4
272	N380	5,759.30	400 Tract LOWER Zone	0.0	5,851.69	40.0

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
385	N287	5,634.80	400 Tract SE Zone	0.0	5,727.51	40.1
579	N246	5,629.58	100 Tract SE Zone	0.0	5,727.51	42.4
388	N314	5,628.10	100 Tract SE Zone	0.0	5,727.51	43.0
350	N446	5,793.70	400 Tract MID Zone	0.0	5,894.74	43.7
1822	N559	5,793.19	400 Tract MID Zone	0.0	5,894.74	43.9
384	N290	5,625.20	400 Tract SE Zone	0.0	5,727.51	44.3
386	N291	5,624.90	400 Tract SE Zone	0.0	5,727.51	44.4
305	N278	5,617.00	400 Tract SE Zone	0.0	5,727.51	47.8
587	N305	5,615.00	100 Tract NW Zone	0.0	5,726.69	48.3
1840	N564	5,781.39	400 Tract MID Zone	0.0	5,894.74	49.0
545	N475	5,780.90	400 Tract MID Zone	0.0	5,894.74	49.3
428	N460	5,811.00	400 Tract LOWER Zone	0.0	5,931.55	52.2
422	N459	5,811.00	400 Tract LOWER Zone	0.0	5,932.07	52.4
270	N228	5,605.00	100 Tract SE Zone	0.0	5,727.51	53.0
398	N302(IRR G)	5,604.00	100 Tract NW Zone	0.0	5,727.29	53.3
1776	N545	5,604.14	100 Tract SE Zone	0.0	5,727.51	53.4
580	N275	5,603.74	100 Tract SE Zone	0.0	5,727.51	53.5
476	N447	5,770.60	400 Tract MID Zone	0.0	5,894.74	53.7
402	N312	5,602.60	100 Tract NW Zone	0.0	5,726.99	53.8
401	N308	5,602.60	100 Tract NW Zone	0.0	5,727.03	53.8
1834	N563	5,803.47	400 Tract LOWER Zone	0.0	5,930.74	55.1
493	N271	5,598.80	100 Tract SE Zone	0.0	5,727.51	55.7
521	N483	5,765.00	400 Tract MID Zone	0.0	5,894.74	56.1
339	N441	5,799.70	400 Tract LOWER Zone	0.0	5,931.31	56.9

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
563	N417	5,798.50	400 Tract LOWER Zone	0.0	5,930.12	56.9
1801	N550	5,717.38	400 Tract LOWER Zone	0.0	5,849.46	57.1
399	N438	5,798.30	400 Tract LOWER Zone	0.0	5,931.55	57.6
584	N347	5,594.10	100 Tract SE Zone	0.0	5,727.51	57.7
1851	N567	5,594.00	100 Tract NW Zone	0.0	5,727.41	57.7
491	N334	5,593.50	400 Tract SE Zone	0.0	5,727.51	58.0
370	N419	5,796.10	400 Tract LOWER Zone	0.0	5,930.26	58.0
349	N464	5,756.90	400 Tract MID Zone	0.0	5,894.74	59.6
575	N247	5,588.64	400 Tract SE Zone	0.0	5,727.51	60.1
445	N485	5,755.10	400 Tract MID Zone	0.0	5,894.74	60.4
375	N376	5,710.40	400 Tract LOWER Zone	0.0	5,851.29	61.0
492	N274	5,586.50	400 Tract SE Zone	0.0	5,727.51	61.0
1755	J-10	5,788.87	400 Tract LOWER Zone	0.0	5,930.88	61.4
280	N477	5,787.00	400 Tract LOWER Zone	0.0	5,930.74	62.2
1773	N544	5,591.44	100 Tract NW Zone	0.0	5,735.26	62.2
1779	N546	5,589.55	100 Tract NW Zone	0.0	5,735.26	63.0
369	N428	5,782.10	400 Tract LOWER Zone	0.0	5,930.26	64.1
576	N272	5,578.80	400 Tract SE Zone	0.0	5,727.51	64.3
371	N405	5,778.70	400 Tract LOWER Zone	0.0	5,929.78	65.4
361	N416	5,779.10	400 Tract LOWER Zone	0.0	5,930.56	65.5
362	N415	5,779.10	400 Tract LOWER Zone	0.0	5,930.61	65.6
562	N395	5,777.90	400 Tract LOWER Zone	0.0	5,929.54	65.6
606	N301	5,574.00	100 Tract NW Zone	0.0	5,727.29	66.3
1785	N548	5,574.00	400 Tract SE Zone	0.0	5,727.51	66.4

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565	N412	5,776.30	400 Tract LOWER Zone	0.0	5,930.61	66.8
522	N473	5,738.70	400 Tract MID Zone	0.0	5,894.74	67.5
387	N273	5,571.20	400 Tract SE Zone	0.0	5,727.51	67.6
504	N111	5,484.73	300 Tract WEST Zone	0.0	5,641.21	67.7
364	N413	5,773.00	400 Tract LOWER Zone	0.0	5,930.61	68.2
566	N396	5,772.00	400 Tract LOWER Zone	0.0	5,930.61	68.6
636	N223	5,576.50	100 Tract NW Zone	0.0	5,735.26	68.7
517	N430	5,771.70	400 Tract LOWER Zone	0.0	5,930.90	68.9
351	N453	5,734.30	400 Tract MID Zone	0.0	5,894.74	69.4
486	N110	5,480.00	300 Tract WEST Zone	0.0	5,641.21	69.8
487	N115	5,479.10	300 Tract WEST Zone	0.0	5,641.21	70.1
494	N214	5,570.70	100 Tract NW Zone	0.0	5,735.26	71.2
373	N388	5,764.20	400 Tract LOWER Zone	0.0	5,929.12	71.4
555	N409	5,765.30	400 Tract LOWER Zone	0.0	5,930.69	71.6
1856	J-43	5,559.00	100 Tract NW Zone	0.0	5,724.59	71.6
338	N467	5,728.30	400 Tract MID Zone	0.0	5,894.74	72.0
390	N389	5,558.60	100 Tract SE Zone	0.0	5,727.51	73.1
549	N432	5,725.80	400 Tract MID Zone	0.0	5,894.74	73.1
564	N381	5,759.30	400 Tract LOWER Zone	0.0	5,928.73	73.3
542	N443	5,761.00	400 Tract LOWER Zone	0.0	5,930.75	73.4
467	N205	5,565.50	100 Tract NW Zone	0.0	5,735.26	73.4
321	N529	5,908.20	400 Tract UPPER Zone	0.0	6,078.65	73.7
541	N435	5,760.00	400 Tract LOWER Zone	0.0	5,930.87	73.9
372	N392	5,758.40	400 Tract LOWER Zone	0.0	5,929.54	74.0

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
543	N452	5,758.60	400 Tract LOWER Zone	0.0	5,930.74	74.5
377	N333	5,677.10	400 Tract LOWER Zone	0.0	5,849.46	74.6
281	N466	5,758.00	400 Tract LOWER Zone	0.0	5,930.74	74.7
550	N449	5,720.30	400 Tract MID Zone	0.0	5,894.74	75.5
1816	N557	5,720.13	400 Tract MID Zone	0.0	5,894.74	75.5
551	N437	5,716.00	400 Tract MID Zone	0.0	5,894.74	77.3
268	N319	5,670.00	400 Tract LOWER Zone	0.0	5,849.16	77.5
567	N384	5,749.50	400 Tract LOWER Zone	0.0	5,930.62	78.4
296	N244	5,574.00	300 Tract NW Zone	0.0	5,755.39	78.5
532	N527	5,896.60	400 Tract UPPER Zone	0.0	6,078.65	78.8
468	N206	5,552.80	100 Tract NW Zone	0.0	5,735.26	78.9
540	N520	5,896.10	400 Tract UPPER Zone	0.0	6,078.65	79.0
282	N526	5,773.00	100 Tract NE Zone	0.0	5,957.60	79.9
403	N318	5,540.00	100 Tract NW Zone	0.0	5,727.26	81.0
484	N114	5,453.60	300 Tract WEST Zone	0.0	5,641.21	81.2
352	N433	5,706.90	400 Tract MID Zone	0.0	5,894.74	81.3
341	N487	5,769.40	100 Tract NE Zone	0.0	5,957.60	81.4
365	N391	5,741.50	400 Tract LOWER Zone	0.0	5,930.61	81.8
503	N109	5,451.40	300 Tract WEST Zone	0.0	5,641.21	82.1
367	N354	5,740.30	400 Tract LOWER Zone	0.0	5,930.63	82.3
561	N382	5,739.00	400 Tract LOWER Zone	0.0	5,929.54	82.4
287	N532	5,888.00	400 Tract UPPER Zone	0.0	6,078.65	82.5
366	N372	5,738.30	400 Tract LOWER Zone	0.0	5,930.62	83.2
588	N528	5,764.60	100 Tract NE Zone	0.0	5,957.60	83.5

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304	N338	5,534.00	100 Tract NW Zone	0.0	5,727.51	83.7
277	N507	5,763.00	100 Tract NE Zone	0.0	5,957.60	84.2
359	N420	5,735.70	400 Tract LOWER Zone	0.0	5,930.67	84.4
374	N364	5,733.00	400 Tract LOWER Zone	0.0	5,928.73	84.7
556	N410	5,734.90	400 Tract LOWER Zone	0.0	5,930.69	84.7
342	N530	5,761.80	100 Tract NE Zone	0.0	5,957.60	84.7
500	N108	5,445.17	300 Tract WEST Zone	0.0	5,641.21	84.8
568	N363	5,734.00	400 Tract LOWER Zone	0.0	5,930.62	85.1
520	N508	5,882.00	400 Tract UPPER Zone	0.0	6,078.65	85.1
485	N112	5,444.50	300 Tract WEST Zone	0.0	5,641.21	85.1
505	N113	5,443.93	300 Tract WEST Zone	0.0	5,641.21	85.4
544	N439	5,733.10	400 Tract LOWER Zone	0.0	5,930.72	85.5
601	N479	5,757.10	100 Tract NE Zone	0.0	5,957.60	86.7
356	N418	5,728.40	400 Tract LOWER Zone	0.0	5,930.68	87.5
404	N330	5,525.10	100 Tract NW Zone	0.0	5,727.41	87.5
603	N461	5,755.10	100 Tract NE Zone	0.0	5,957.60	87.6
597	N491	5,754.40	100 Tract NE Zone	0.0	5,957.60	87.9
595	N510	5,753.40	100 Tract NE Zone	0.0	5,957.60	88.3
376	N342	5,645.40	400 Tract LOWER Zone	0.0	5,849.86	88.5
322	N503	5,874.10	400 Tract UPPER Zone	0.0	6,078.65	88.5
328	N517	5,873.00	400 Tract UPPER Zone	0.0	6,078.65	89.0
358	N401	5,724.60	400 Tract LOWER Zone	0.0	5,930.68	89.2
591	N482	5,749.00	100 Tract NE Zone	0.0	5,957.60	90.3
557	N411	5,720.60	400 Tract LOWER Zone	0.0	5,930.69	90.9

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
548	N422	5,719.60	400 Tract LOWER Zone	0.0	5,930.70	91.3
368	N350	5,719.50	400 Tract LOWER Zone	0.0	5,930.63	91.3
589	N521	5,746.10	100 Tract NE Zone	0.0	5,957.60	91.5
354	N378	5,718.50	400 Tract LOWER Zone	0.0	5,930.69	91.8
536	N493	5,865.50	400 Tract UPPER Zone	0.0	6,078.65	92.2
593	N525	5,744.00	100 Tract NE Zone	0.0	5,957.60	92.4
378	N297	5,634.50	400 Tract LOWER Zone	0.0	5,848.78	92.7
594	N516	5,743.30	100 Tract NE Zone	0.0	5,957.60	92.7
535	N484	5,864.10	400 Tract UPPER Zone	0.0	6,078.65	92.8
283	N434	5,742.00	100 Tract NE Zone	0.0	5,957.60	93.3
355	N365	5,714.40	400 Tract LOWER Zone	0.0	5,930.69	93.6
479	N131	5,423.80	300 Tract WEST Zone	0.0	5,641.21	94.1
598	N445	5,739.90	100 Tract NE Zone	0.0	5,957.60	94.2
590	N518	5,739.50	100 Tract NE Zone	0.0	5,957.60	94.4
490	N106	5,422.90	300 Tract WEST Zone	0.0	5,641.21	94.5
278	N495	5,739.00	100 Tract NE Zone	0.0	5,957.60	94.6
531	N512	5,860.00	400 Tract UPPER Zone	0.0	6,078.65	94.6
537	N494	5,860.00	400 Tract UPPER Zone	0.0	6,078.65	94.6
547	N400	5,711.90	400 Tract LOWER Zone	0.0	5,930.68	94.7
592	N472	5,737.40	100 Tract NE Zone	0.0	5,957.60	95.3
499	N107	5,421.00	300 Tract WEST Zone	0.0	5,641.21	95.3
279	N480	5,737.00	100 Tract NE Zone	0.0	5,957.60	95.4
602	N470	5,736.80	100 Tract NE Zone	0.0	5,957.60	95.5
360	N387	5,708.80	400 Tract LOWER Zone	0.0	5,929.69	95.6

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345	N476	5,736.20	100 Tract NE Zone	0.0	5,957.60	95.8
666	Com407	5,501.00	100 Tract NW Zone	0.0	5,722.75	95.9
405	N325	5,505.50	100 Tract NW Zone	0.0	5,727.51	96.1
344	N497	5,735.30	100 Tract NE Zone	0.0	5,957.60	96.2
1782	J-17	5,528.15	300 Tract NW Zone	0.0	5,753.45	97.5
599	N429	5,732.10	100 Tract NE Zone	0.0	5,957.60	97.6
275	N531	5,732.00	100 Tract NE Zone	0.0	5,957.60	97.6
412	N357	5,499.30	100 Tract NW Zone	0.0	5,725.88	98.0
687	N104	5,414.62	300 Tract WEST Zone	0.0	5,641.21	98.0
637	N198	5,508.50	100 Tract NW Zone	0.0	5,735.26	98.1
559	N426	5,703.90	400 Tract LOWER Zone	0.0	5,930.69	98.1
327	N509	5,851.80	400 Tract UPPER Zone	0.0	6,078.65	98.1
688	N105	5,414.00	300 Tract WEST Zone	0.0	5,641.21	98.3
669	N383	5,496.50	100 Tract NW Zone	0.0	5,724.26	98.5
667	N408	5,494.70	100 Tract NW Zone	0.0	5,722.75	98.7
664	N403	5,493.40	100 Tract NW Zone	0.0	5,722.33	99.0
276	N505	5,728.00	100 Tract NE Zone	0.0	5,957.60	99.3
496	N187	5,523.50	300 Tract NW Zone	0.0	5,753.26	99.4
528	N524	5,848.00	400 Tract UPPER Zone	0.0	6,078.65	99.8
413	N355	5,495.00	100 Tract NW Zone	0.0	5,725.88	99.9
600	N499	5,726.20	100 Tract NE Zone	0.0	5,957.60	100.1
604	N451	5,725.20	100 Tract NE Zone	0.0	5,957.60	100.5
513	N130	5,408.59	300 Tract WEST Zone	0.0	5,641.21	100.6
596	N501	5,724.90	100 Tract NE Zone	0.0	5,957.60	100.7

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480	N132	5,408.50	300 Tract WEST Zone	0.0	5,641.21	100.7
267	N288	5,495.00	100 Tract NW Zone	0.0	5,727.76	100.7
674	N323	5,494.53	100 Tract NW Zone	0.0	5,727.35	100.7
665	N386	5,489.80	100 Tract NW Zone	0.0	5,722.76	100.8
478	N124	5,408.20	300 Tract WEST Zone	0.0	5,641.21	100.8
514	N135	5,407.46	300 Tract WEST Zone	0.0	5,641.21	101.1
411	N360	5,492.10	100 Tract NW Zone	0.0	5,725.88	101.1
670	N356	5,491.20	100 Tract NW Zone	0.0	5,725.88	101.5
481	N129	5,405.70	300 Tract WEST Zone	0.0	5,641.21	101.9
673	N335	5,491.00	100 Tract NW Zone	0.0	5,727.11	102.2
539	N502	5,842.50	400 Tract UPPER Zone	0.0	6,078.65	102.2
432	N331	5,490.90	100 Tract NW Zone	0.0	5,727.20	102.2
417	N260	5,491.50	100 Tract NW Zone	0.0	5,728.52	102.5
469	N190	5,498.50	100 Tract NW Zone	0.0	5,735.95	102.7
554	N394	5,692.40	400 Tract LOWER Zone	0.0	5,930.69	103.1
558	N414	5,692.10	400 Tract LOWER Zone	0.0	5,930.69	103.2
512	N128	5,402.12	300 Tract WEST Zone	0.0	5,641.21	103.4
527	N523	5,838.40	400 Tract UPPER Zone	0.0	6,078.65	103.9
498	N336	5,485.50	100 Tract NW Zone	0.0	5,727.35	104.6
511	N127	5,399.13	300 Tract WEST Zone	0.0	5,641.21	104.7
363	N120	5,398.80	300 Tract WEST Zone	0.0	5,641.21	104.9
346	N436	5,715.00	100 Tract NE Zone	0.0	5,957.60	105.0
530	N496	5,835.80	400 Tract UPPER Zone	0.0	6,078.65	105.1
482	N126	5,398.30	300 Tract WEST Zone	0.0	5,641.21	105.1

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
506	N118	5,397.74	300 Tract WEST Zone	0.0	5,641.21	105.3
529	N515	5,835.10	400 Tract UPPER Zone	0.0	6,078.65	105.4
510	N125	5,397.50	300 Tract WEST Zone	0.0	5,641.21	105.4
396	N404	5,480.00	100 Tract NW Zone	0.0	5,724.44	105.8
395	N399	5,478.20	100 Tract NW Zone	0.0	5,722.68	105.8
560	N393	5,686.00	400 Tract LOWER Zone	0.0	5,930.69	105.9
645	N180	5,507.20	300 Tract NW Zone	0.0	5,752.20	106.0
449	N258	5,483.50	100 Tract NW Zone	0.0	5,728.64	106.1
431	N337	5,481.70	100 Tract NW Zone	0.0	5,727.02	106.1
509	N123	5,395.75	300 Tract WEST Zone	0.0	5,641.21	106.2
326	N481	5,832.90	400 Tract UPPER Zone	0.0	6,078.65	106.3
1938	N569 (B&G Club)	5,395.41	300 Tract WEST Zone	0.0	5,641.21	106.3
672	N345	5,480.70	100 Tract NW Zone	0.0	5,726.51	106.4
617	N366	5,479.50	100 Tract NW Zone	0.0	5,725.88	106.6
483	N119	5,394.80	300 Tract WEST Zone	0.0	5,641.21	106.6
353	N425	5,683.00	400 Tract LOWER Zone	0.0	5,930.69	107.2
507	N122	5,393.47	300 Tract WEST Zone	0.0	5,641.21	107.2
508	N121	5,393.47	300 Tract WEST Zone	0.0	5,641.21	107.2
546	N377	5,682.60	400 Tract LOWER Zone	0.0	5,930.68	107.3
314	N116	5,393.00	300 Tract WEST Zone	0.0	5,641.21	107.4
450	N250	5,480.90	100 Tract NW Zone	0.0	5,729.20	107.4
472	N168	5,503.00	300 Tract NW Zone	0.0	5,751.53	107.5
471	N178	5,499.90	300 Tract NW Zone	0.0	5,748.47	107.5

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
418	N256	5,479.40	100 Tract NW Zone	0.0	5,728.63	107.8
615	N402	5,475.00	100 Tract NW Zone	0.0	5,724.59	108.0
644	N167	5,501.81	300 Tract NW Zone	0.0	5,751.53	108.0
635	N191	5,484.66	100 Tract NW Zone	0.0	5,735.15	108.4
610	N242	5,478.49	100 Tract NW Zone	0.0	5,729.65	108.7
552	N373	5,679.50	400 Tract LOWER Zone	0.0	5,930.69	108.7
668	N390	5,471.70	100 Tract NW Zone	0.0	5,723.40	108.9
609	N254	5,476.65	100 Tract NW Zone	0.0	5,728.61	109.0
332	N489	5,825.80	400 Tract UPPER Zone	0.0	6,078.65	109.4
616	N379	5,472.60	100 Tract NW Zone	0.0	5,725.50	109.4
605	N280	5,475.26	100 Tract NW Zone	0.0	5,728.42	109.5
618	N352	5,472.50	100 Tract NW Zone	0.0	5,726.32	109.8
316	N227	5,478.30	100 Tract NW Zone	0.0	5,732.30	109.9
1789	N549	5,593.80	400 Tract LOWER Zone	0.0	5,848.07	110.0
421	N249	5,474.20	100 Tract NW Zone	0.0	5,728.57	110.1
333	N486	5,824.10	400 Tract UPPER Zone	0.0	6,078.65	110.1
315	N235	5,474.50	100 Tract NW Zone	0.0	5,730.13	110.6
657	N202	5,478.02	100 Tract NW Zone	0.0	5,733.87	110.7
519	N478	5,821.50	400 Tract UPPER Zone	0.0	6,078.65	111.3
569	N349	5,673.40	400 Tract LOWER Zone	0.0	5,930.63	111.3
380	N255	5,590.70	400 Tract LOWER Zone	0.0	5,848.07	111.4
538	N492	5,820.70	400 Tract UPPER Zone	0.0	6,078.65	111.6
435	N252	5,470.10	100 Tract NW Zone	0.0	5,728.83	111.9
397	N374	5,466.60	100 Tract NW Zone	0.0	5,725.75	112.1

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
406	N317	5,468.40	100 Tract NW Zone	0.0	5,727.75	112.2
444	N210	5,469.96	100 Tract NW Zone	0.0	5,729.32	112.2
473	N162	5,491.60	300 Tract NW Zone	0.0	5,751.24	112.3
534	N463	5,819.00	400 Tract UPPER Zone	0.0	6,078.65	112.3
643	N170	5,491.47	300 Tract NW Zone	0.0	5,751.46	112.5
497	N359	5,462.70	100 Tract NW Zone	0.0	5,722.76	112.5
611	N270	5,468.35	100 Tract NW Zone	0.0	5,728.44	112.5
465	N181	5,476.70	100 Tract NW Zone	0.0	5,737.29	112.7
639	N177	5,476.83	100 Tract NW Zone	0.0	5,737.56	112.8
416	N277	5,467.20	100 Tract NW Zone	0.0	5,728.29	113.0
526	N514	5,817.00	400 Tract UPPER Zone	0.0	6,078.65	113.2
1813	N556	5,668.83	400 Tract LOWER Zone	0.0	5,930.69	113.3
1795	N552	5,668.14	400 Tract LOWER Zone	0.0	5,930.63	113.6
410	N370	5,463.00	100 Tract NW Zone	0.0	5,725.89	113.7
466	N192	5,472.00	100 Tract NW Zone	0.0	5,735.08	113.8
331	N468	5,815.50	400 Tract UPPER Zone	0.0	6,078.65	113.9
607	N222	5,468.25	100 Tract NW Zone	0.0	5,732.30	114.2
441	N194	5,471.60	100 Tract NW Zone	0.0	5,735.68	114.3
451	N216	5,468.60	100 Tract NW Zone	0.0	5,733.01	114.4
612	N259	5,463.50	100 Tract NW Zone	0.0	5,728.37	114.6
423	N257	5,463.10	100 Tract NW Zone	0.0	5,728.34	114.8
330	N458	5,813.40	400 Tract UPPER Zone	0.0	6,078.65	114.8
357	N358	5,665.10	400 Tract LOWER Zone	0.0	5,930.64	114.9
642	N169	5,482.80	300 Tract NW Zone	0.0	5,748.47	114.9

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
323	N465	5,812.90	400 Tract UPPER Zone	0.0	6,078.65	115.0
626	N248	5,462.54	100 Tract NW Zone	0.0	5,728.35	115.0
553	N385	5,664.50	400 Tract LOWER Zone	0.0	5,930.69	115.2
300	N369 - IRRG	5,459.48	100 Tract NW Zone	0.0	5,725.88	115.3
656	N209	5,465.89	100 Tract NW Zone	0.0	5,732.38	115.3
454	N193	5,470.28	100 Tract NW Zone	0.0	5,736.99	115.4
640	N174	5,473.42	100 Tract NW Zone	0.0	5,740.24	115.4
638	N182	5,470.64	100 Tract NW Zone	0.0	5,738.11	115.7
614	N315	5,460.17	100 Tract NW Zone	0.0	5,727.75	115.8
409	N343	5,459.00	100 Tract NW Zone	0.0	5,726.65	115.8
447	N213	5,461.40	100 Tract NW Zone	0.0	5,729.31	115.9
325	N474	5,810.50	400 Tract UPPER Zone	0.0	6,078.65	116.0
608	N220	5,462.94	100 Tract NW Zone	0.0	5,731.27	116.1
631	N201	5,467.99	100 Tract NW Zone	0.0	5,736.59	116.2
516	N454	5,809.90	400 Tract UPPER Zone	0.0	6,078.65	116.3
613	N276	5,458.60	100 Tract NW Zone	0.0	5,728.37	116.7
625	N261	5,458.15	100 Tract NW Zone	0.0	5,728.28	116.9
1880	Liberty Peak Elementary	5,458.15	100 Tract NW Zone	0.0	5,728.28	116.9
443	N215	5,459.80	100 Tract NW Zone	0.0	5,730.04	116.9
622	N298	5,457.52	100 Tract NW Zone	0.0	5,727.80	116.9
448	N217	5,458.90	100 Tract NW Zone	0.0	5,729.30	117.0
1831	N562	5,808.06	400 Tract UPPER Zone	0.0	6,078.65	117.1
295	N243	5,577.00	400 Tract LOWER Zone	0.0	5,847.69	117.1

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
1819	N558	5,807.46	400 Tract UPPER Zone	0.0	6,078.65	117.3
634	N195	5,462.91	100 Tract NW Zone	0.0	5,734.83	117.6
1810	N555	5,658.49	400 Tract LOWER Zone	0.0	5,930.69	117.8
641	N166	5,475.82	300 Tract NW Zone	0.0	5,748.12	117.8
452	N204	5,460.70	100 Tract NW Zone	0.0	5,733.90	118.2
671	N328	5,453.75	100 Tract NW Zone	0.0	5,727.13	118.3
324	N469	5,804.70	400 Tract UPPER Zone	0.0	6,078.65	118.5
630	N266	5,454.11	100 Tract NW Zone	0.0	5,728.26	118.6
433	N285	5,453.50	100 Tract NW Zone	0.0	5,727.82	118.7
1825	N560	5,804.27	400 Tract UPPER Zone	0.0	6,078.65	118.7
420	N229	5,453.30	100 Tract NW Zone	0.0	5,729.01	119.3
446	N212(IRR G)	5,453.50	100 Tract NW Zone	0.0	5,729.26	119.3
633	N197	5,459.48	100 Tract NW Zone	0.0	5,735.57	119.5
440	N199	5,460.40	100 Tract NW Zone	0.0	5,736.50	119.5
334	N500	5,802.50	400 Tract UPPER Zone	0.0	6,078.65	119.5
653	Com284	5,451.94	100 Tract NW Zone	0.0	5,728.09	119.5
627	N232	5,452.42	100 Tract NW Zone	0.0	5,728.59	119.5
436	N208	5,454.50	100 Tract NW Zone	0.0	5,731.11	119.7
623	N268	5,451.41	100 Tract NW Zone	0.0	5,728.27	119.8
424	N253	5,451.40	100 Tract NW Zone	0.0	5,728.31	119.8
658	N186	5,459.00	100 Tract NW Zone	0.0	5,736.07	119.9
419	N225	5,451.80	100 Tract NW Zone	0.0	5,729.06	120.0
437	N221	5,453.60	100 Tract NW Zone	0.0	5,731.11	120.1
628	N233	5,450.70	100 Tract NW Zone	0.0	5,728.59	120.2

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
383	N346	5,652.70	400 Tract LOWER Zone	0.0	5,930.63	120.2
318	N203	5,453.00	100 Tract NW Zone	0.0	5,731.11	120.3
518	N440	5,799.80	400 Tract UPPER Zone	0.0	6,078.65	120.6
619	N332	5,447.88	100 Tract NW Zone	0.0	5,727.08	120.8
438	N224	5,451.90	100 Tract NW Zone	0.0	5,731.11	120.8
502	N101	5,361.92	300 Tract WEST Zone	0.0	5,641.21	120.8
533	N450	5,799.00	400 Tract UPPER Zone	0.0	6,078.65	121.0
621	N306	5,447.79	100 Tract NW Zone	0.0	5,727.55	121.0
489	N102	5,361.40	300 Tract WEST Zone	0.0	5,641.21	121.1
659	N184	5,457.01	100 Tract NW Zone	0.0	5,737.55	121.4
335	N506	5,798.10	400 Tract UPPER Zone	0.0	6,078.65	121.4
624	N265	5,447.51	100 Tract NW Zone	0.0	5,728.28	121.5
501	N103	5,360.43	300 Tract WEST Zone	0.0	5,641.21	121.5
427	N262	5,447.40	100 Tract NW Zone	0.0	5,728.28	121.5
464	N175	5,458.80	100 Tract NW Zone	0.0	5,740.29	121.8
1713	J-1	5,458.10	100 Tract NW Zone	0.0	5,739.86	121.9
1716	Church-LDS	5,458.00	100 Tract NW Zone	0.0	5,739.86	121.9
661	N176	5,457.36	100 Tract NW Zone	0.0	5,739.42	122.0
408	N309	5,444.60	100 Tract NW Zone	0.0	5,727.44	122.4
429	N304	5,444.60	100 Tract NW Zone	0.0	5,727.52	122.4
629	N241	5,445.42	100 Tract NW Zone	0.0	5,728.41	122.4
1798	N553	5,646.69	400 Tract LOWER Zone	0.0	5,929.69	122.4
652	N251	5,445.34	100 Tract NW Zone	0.0	5,728.49	122.5
632	N196	5,452.70	100 Tract NW Zone	0.0	5,735.92	122.5

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
462	N172	5,457.51	100 Tract NW Zone	0.0	5,741.07	122.7
425	N239	5,444.80	100 Tract NW Zone	0.0	5,728.59	122.8
1846	J-38	5,794.14	400 Tract UPPER Zone	0.0	6,078.65	123.1
463	N173	5,455.61	100 Tract NW Zone	0.0	5,740.33	123.2
442	N219	5,446.10	100 Tract NW Zone	0.0	5,730.86	123.2
430	N326	5,442.20	100 Tract NW Zone	0.0	5,727.15	123.3
676	N218	5,446.07	100 Tract NW Zone	0.0	5,731.11	123.3
336	N519	5,793.40	400 Tract UPPER Zone	0.0	6,078.65	123.4
646	N156	5,465.12	300 Tract NW Zone	0.0	5,750.41	123.4
453	N234	5,443.20	100 Tract NW Zone	0.0	5,728.58	123.5
329	N442	5,793.20	400 Tract UPPER Zone	0.0	6,078.65	123.5
651	N294	5,441.67	100 Tract NW Zone	0.0	5,727.71	123.8
660	N185	5,451.02	100 Tract NW Zone	0.0	5,737.09	123.8
620	N313	5,440.02	100 Tract NW Zone	0.0	5,727.47	124.4
1828	N561	5,791.09	400 Tract UPPER Zone	0.0	6,078.65	124.4
470	N165	5,453.90	100 Tract NW Zone	0.0	5,742.86	125.0
343	N511	5,668.00	100 Tract NE Zone	0.0	5,957.60	125.3
1731	J-8	5,439.00	100 Tract NW Zone	0.0	5,728.75	125.4
1728	J-7	5,438.85	100 Tract NW Zone	0.0	5,728.75	125.4
675	N238	5,440.10	100 Tract NW Zone	0.0	5,730.13	125.5
1843	N566	5,788.09	400 Tract UPPER Zone	0.0	6,078.65	125.7
654	N237	5,437.00	100 Tract NW Zone	0.0	5,728.82	126.3
434	N267	5,435.90	100 Tract NW Zone	0.0	5,728.04	126.4
677	N211	5,440.32	100 Tract NW Zone	0.0	5,732.52	126.4

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
662	N164	5,450.85	300 Tract NW Zone	0.0	5,743.12	126.5
647	N154	5,456.58	300 Tract NW Zone	0.0	5,749.52	126.7
523	N513	5,785.40	400 Tract UPPER Zone	0.0	6,078.65	126.9
426	N236	5,435.60	100 Tract NW Zone	0.0	5,728.89	126.9
1837	N565	5,785.17	400 Tract UPPER Zone	0.0	6,078.65	127.0
1765	N543	5,436.00	100 Tract NW Zone	0.0	5,730.13	127.3
1718	J-3	5,449.16	300 Tract NW Zone	0.0	5,743.75	127.5
1721	Bawcom RE	5,449.00	300 Tract NW Zone	0.0	5,743.75	127.5
439	N179	5,441.80	100 Tract NW Zone	0.0	5,736.66	127.6
455	N183	5,442.30	100 Tract NW Zone	0.0	5,737.84	127.9
475	N151	5,451.00	300 Tract NW Zone	0.0	5,747.87	128.4
648	N150	5,451.57	300 Tract NW Zone	0.0	5,748.59	128.5
678	N171	5,443.02	100 Tract NW Zone	0.0	5,740.66	128.8
1792	N551	5,632.42	400 Tract LOWER Zone	0.0	5,930.63	129.0
415	N240	5,429.80	100 Tract NW Zone	0.0	5,728.51	129.2
655	Com230	5,430.43	100 Tract NW Zone	0.0	5,729.58	129.4
461	N207	5,431.70	100 Tract NW Zone	0.0	5,731.11	129.5
474	N155	5,449.00	300 Tract NW Zone	0.0	5,748.76	129.7
337	N498	5,778.30	400 Tract UPPER Zone	0.0	6,078.65	129.9
572	N329	5,628.94	400 Tract LOWER Zone	0.0	5,930.63	130.5
663	N148	5,441.71	300 Tract NW Zone	0.0	5,746.52	131.9
679	N161	5,436.18	100 Tract NW Zone	0.0	5,741.50	132.1
649	N152	5,441.65	300 Tract NW Zone	0.0	5,747.61	132.4
524	N504	5,769.70	400 Tract UPPER Zone	0.0	6,078.65	133.7

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
488	N100	5,331.20	300 Tract WEST Zone	0.0	5,641.21	134.1
650	N153	5,436.78	300 Tract NW Zone	0.0	5,747.09	134.3
682	N160	5,433.29	100 Tract NW Zone	0.0	5,743.77	134.3
382	N316	5,617.60	400 Tract LOWER Zone	0.0	5,930.63	135.4
570	N299	5,617.26	400 Tract LOWER Zone	0.0	5,930.63	135.6
681	N159	5,428.85	100 Tract NW Zone	0.0	5,743.44	136.1
680	N157	5,426.57	100 Tract NW Zone	0.0	5,742.83	136.8
1723	J-5	5,429.02	300 Tract NW Zone	0.0	5,746.38	137.3
1726	Spring Creek Elementary	5,429.00	300 Tract NW Zone	0.0	5,746.38	137.3
525	N488	5,756.90	400 Tract UPPER Zone	0.0	6,078.65	139.2
456	N158	5,411.80	100 Tract NW Zone	0.0	5,741.87	142.8
571	N283	5,597.10	400 Tract LOWER Zone	0.0	5,930.63	144.3
266	N144	5,410.00	300 Tract NW Zone	0.0	5,744.55	144.7
381	N282	5,594.00	400 Tract LOWER Zone	0.0	5,930.63	145.6
515	N146	5,409.52	300 Tract NW Zone	0.0	5,746.16	145.6
379	N281	5,593.00	400 Tract LOWER Zone	0.0	5,930.63	146.1
477	N138	5,407.20	300 Tract NW Zone	0.0	5,746.16	146.7
457	N145	5,404.10	300 Tract NW Zone	0.0	5,745.80	147.8
458	N139	5,403.30	300 Tract NW Zone	0.0	5,745.46	148.0
685	N141	5,397.55	300 Tract NW Zone	0.0	5,744.90	150.3
460	N140	5,397.10	300 Tract NW Zone	0.0	5,744.73	150.4
686	N137	5,397.03	300 Tract NW Zone	0.0	5,745.06	150.6
684	Com136	5,396.17	300 Tract NW Zone	0.0	5,744.66	150.8

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
459	N134	5,396.60	300 Tract NW Zone	0.0	5,745.13	150.8
683	N133	5,393.91	300 Tract NW Zone	0.0	5,744.66	151.8
274	N444	5,584.00	100 Tract NE Zone	0.0	5,957.60	161.6
340	N456	5,572.10	100 Tract NE Zone	0.0	5,957.60	166.8

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MDD - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
267	N288	5,495.00	100 Tract NW Zone	0.0	5,734.83	103.8
300	N369 - IRRG	5,459.48	100 Tract NW Zone	56.0	5,766.79	133.0
304	N338	5,534.00	100 Tract NW Zone	10.5	5,828.35	127.4
315	N235	5,474.50	100 Tract NW Zone	6.1	5,748.67	118.6
316	N227	5,478.30	100 Tract NW Zone	11.4	5,746.77	116.2
318	N203	5,453.00	100 Tract NW Zone	2.6	5,748.48	127.8
395	N399	5,478.20	100 Tract NW Zone	7.9	5,731.80	109.7
396	N404	5,480.00	100 Tract NW Zone	2.6	5,743.84	114.2
397	N374	5,466.60	100 Tract NW Zone	6.1	5,753.15	124.0
398	N302(IRR G)	5,604.00	100 Tract NW Zone	55.1	5,732.16	55.4
400	N292	5,636.20	100 Tract NW Zone	0.0	5,730.95	41.0
401	N308	5,602.60	100 Tract NW Zone	1.8	5,730.95	55.5
402	N312	5,602.60	100 Tract NW Zone	3.5	5,730.78	55.5
403	N318	5,540.00	100 Tract NW Zone	7.9	5,739.08	86.1
404	N330	5,525.10	100 Tract NW Zone	16.7	5,744.70	95.0
405	N325	5,505.50	100 Tract NW Zone	5.9	5,748.98	105.3
406	N317	5,468.40	100 Tract NW Zone	8.8	5,746.97	120.5
408	N309	5,444.60	100 Tract NW Zone	5.3	5,748.19	131.3
409	N343	5,459.00	100 Tract NW Zone	14.0	5,751.02	126.3
410	N370	5,463.00	100 Tract NW Zone	8.8	5,754.24	126.0
411	N360	5,492.10	100 Tract NW Zone	10.5	5,760.62	116.2
412	N357	5,499.30	100 Tract NW Zone	8.8	5,759.46	112.6
413	N355	5,495.00	100 Tract NW Zone	2.6	5,756.19	113.0
415	N240	5,429.80	100 Tract NW Zone	16.7	5,746.06	136.8
416	N277	5,467.20	100 Tract NW Zone	14.0	5,746.14	120.7
417	N260	5,491.50	100 Tract NW Zone	10.5	5,739.23	107.2
418	N256	5,479.40	100 Tract NW Zone	3.5	5,740.23	112.8
419	N225	5,451.80	100 Tract NW Zone	9.7	5,740.85	125.1
420	N229	5,453.30	100 Tract NW Zone	10.5	5,740.87	124.4
421	N249	5,474.20	100 Tract NW Zone	8.1	5,741.41	115.6
423	N257	5,463.10	100 Tract NW Zone	8.8	5,744.31	121.7
424	N253	5,451.40	100 Tract NW Zone	3.5	5,745.68	127.3
425	N239	5,444.80	100 Tract NW Zone	5.3	5,745.83	130.2
426	N236	5,435.60	100 Tract NW Zone	13.2	5,746.17	134.4
427	N262	5,447.40	100 Tract NW Zone	5.3	5,746.01	129.2
429	N304	5,444.60	100 Tract NW Zone	8.8	5,748.06	131.3
430	N326	5,442.20	100 Tract NW Zone	2.6	5,749.69	133.0
431	N337	5,481.70	100 Tract NW Zone	4.4	5,750.24	116.2
432	N331	5,490.90	100 Tract NW Zone	14.9	5,749.62	111.9
433	N285	5,453.50	100 Tract NW Zone	11.4	5,748.77	127.7
434	N267	5,435.90	100 Tract NW Zone	13.2	5,748.75	135.4
435	N252	5,470.10	100 Tract NW Zone	9.7	5,748.68	120.5
436	N208	5,454.50	100 Tract NW Zone	6.1	5,748.48	127.2

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
437	N221	5,453.60	100 Tract NW Zone	12.3	5,748.50	127.6
438	N224	5,451.90	100 Tract NW Zone	7.0	5,748.87	128.5
439	N179	5,441.80	100 Tract NW Zone	17.6	5,760.98	138.1
440	N199	5,460.40	100 Tract NW Zone	12.3	5,759.08	129.2
441	N194	5,471.60	100 Tract NW Zone	10.5	5,758.31	124.0
442	N219	5,446.10	100 Tract NW Zone	14.9	5,748.27	130.7
443	N215	5,459.80	100 Tract NW Zone	16.7	5,743.36	122.7
444	N210	5,469.96	100 Tract NW Zone	11.4	5,740.86	117.2
446	N212(IRR G)	5,453.50	100 Tract NW Zone	69.2	5,740.17	124.0
447	N213	5,461.40	100 Tract NW Zone	12.3	5,740.23	120.6
448	N217	5,458.90	100 Tract NW Zone	14.9	5,740.23	121.7
449	N258	5,483.50	100 Tract NW Zone	2.6	5,739.97	111.0
450	N250	5,480.90	100 Tract NW Zone	14.0	5,740.75	112.4
451	N216	5,468.60	100 Tract NW Zone	11.4	5,748.40	121.1
452	N204	5,460.70	100 Tract NW Zone	15.8	5,750.54	125.4
453	N234	5,443.20	100 Tract NW Zone	16.7	5,745.28	130.7
454	N193	5,470.28	100 Tract NW Zone	5.3	5,760.96	125.8
455	N183	5,442.30	100 Tract NW Zone	6.8	5,764.52	139.4
456	N158	5,411.80	100 Tract NW Zone	4.4	5,779.52	159.1
461	N207	5,431.70	100 Tract NW Zone	3.5	5,748.48	137.1
462	N172	5,457.51	100 Tract NW Zone	11.4	5,777.24	138.3
463	N173	5,455.61	100 Tract NW Zone	11.4	5,773.98	137.7
464	N175	5,458.80	100 Tract NW Zone	2.6	5,773.96	136.4
465	N181	5,476.70	100 Tract NW Zone	10.5	5,759.88	122.5
466	N192	5,472.00	100 Tract NW Zone	4.4	5,753.27	121.7
467	N205	5,565.50	100 Tract NW Zone	7.0	5,752.13	80.7
468	N206	5,552.80	100 Tract NW Zone	13.2	5,752.72	86.5
469	N190	5,498.50	100 Tract NW Zone	3.5	5,755.37	111.1
470	N165	5,453.90	100 Tract NW Zone	7.9	5,785.10	143.3
494	N214	5,570.70	100 Tract NW Zone	5.3	5,752.05	78.5
497	N359	5,462.70	100 Tract NW Zone	12.3	5,721.56	112.0
498	N336	5,485.50	100 Tract NW Zone	5.3	5,749.15	114.1
587	N305	5,615.00	100 Tract NW Zone	5.3	5,729.05	49.3
605	N280	5,475.26	100 Tract NW Zone	9.6	5,742.85	115.8
606	N301	5,574.00	100 Tract NW Zone	4.4	5,732.15	68.4
607	N222	5,468.25	100 Tract NW Zone	3.5	5,746.81	120.5
608	N220	5,462.94	100 Tract NW Zone	16.7	5,744.65	121.9
609	N254	5,476.65	100 Tract NW Zone	3.5	5,740.46	114.1
610	N242	5,478.49	100 Tract NW Zone	12.3	5,741.55	113.8
611	N270	5,468.35	100 Tract NW Zone	12.3	5,742.76	118.7
612	N259	5,463.50	100 Tract NW Zone	9.7	5,743.81	121.3
613	N276	5,458.60	100 Tract NW Zone	7.0	5,743.81	123.4
614	N315	5,460.17	100 Tract NW Zone	11.2	5,746.98	124.1
615	N402	5,475.00	100 Tract NW Zone	16.7	5,744.80	116.7

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
616	N379	5,472.60	100 Tract NW Zone	12.3	5,751.30	120.6
617	N366	5,479.50	100 Tract NW Zone	7.9	5,762.28	122.3
618	N352	5,472.50	100 Tract NW Zone	3.5	5,752.40	121.1
619	N332	5,447.88	100 Tract NW Zone	19.3	5,749.39	130.5
620	N313	5,440.02	100 Tract NW Zone	6.1	5,748.13	133.3
621	N306	5,447.79	100 Tract NW Zone	5.3	5,747.77	129.8
622	N298	5,457.52	100 Tract NW Zone	13.2	5,746.95	125.2
623	N268	5,451.41	100 Tract NW Zone	3.5	5,745.67	127.3
624	N265	5,447.51	100 Tract NW Zone	0.9	5,745.90	129.1
625	N261	5,458.15	100 Tract NW Zone	13.2	5,745.71	124.4
626	N248	5,462.54	100 Tract NW Zone	1.8	5,745.73	122.5
627	N232	5,452.42	100 Tract NW Zone	4.4	5,745.79	126.9
628	N233	5,450.70	100 Tract NW Zone	4.4	5,745.81	127.7
629	N241	5,445.42	100 Tract NW Zone	3.3	5,745.74	129.9
630	N266	5,454.11	100 Tract NW Zone	8.8	5,745.66	126.1
631	N201	5,467.99	100 Tract NW Zone	9.7	5,759.40	126.1
632	N196	5,452.70	100 Tract NW Zone	7.9	5,756.79	131.6
633	N197	5,459.48	100 Tract NW Zone	9.7	5,755.52	128.1
634	N195	5,462.91	100 Tract NW Zone	7.0	5,752.94	125.5
635	N191	5,484.66	100 Tract NW Zone	6.1	5,753.27	116.2
636	N223	5,576.50	100 Tract NW Zone	6.1	5,751.93	75.9
637	N198	5,508.50	100 Tract NW Zone	10.3	5,753.30	105.9
638	N182	5,470.64	100 Tract NW Zone	13.2	5,763.07	126.5
639	N177	5,476.83	100 Tract NW Zone	14.0	5,760.81	122.9
640	N174	5,473.42	100 Tract NW Zone	9.0	5,772.49	129.4
651	N294	5,441.67	100 Tract NW Zone	6.1	5,747.53	132.3
652	N251	5,445.34	100 Tract NW Zone	5.3	5,746.04	130.1
653	Com284	5,451.94	100 Tract NW Zone	3.5	5,746.51	127.4
654	N237	5,437.00	100 Tract NW Zone	14.9	5,746.11	133.7
655	Com230	5,430.43	100 Tract NW Zone	11.4	5,746.84	136.9
656	N209	5,465.89	100 Tract NW Zone	12.3	5,751.08	123.4
657	N202	5,478.02	100 Tract NW Zone	8.8	5,754.22	119.5
658	N186	5,459.00	100 Tract NW Zone	14.0	5,758.91	129.8
659	N184	5,457.01	100 Tract NW Zone	6.1	5,763.29	132.5
660	N185	5,451.02	100 Tract NW Zone	6.1	5,762.28	134.7
661	N176	5,457.36	100 Tract NW Zone	10.5	5,770.44	135.5
664	N403	5,493.40	100 Tract NW Zone	5.3	5,730.21	102.5
665	N386	5,489.80	100 Tract NW Zone	15.8	5,730.73	104.2
666	Com407	5,501.00	100 Tract NW Zone	7.0	5,730.75	99.4
667	N408	5,494.70	100 Tract NW Zone	8.8	5,730.77	102.1
668	N390	5,471.70	100 Tract NW Zone	12.3	5,736.56	114.6
669	N383	5,496.50	100 Tract NW Zone	10.5	5,742.74	106.5
670	N356	5,491.20	100 Tract NW Zone	15.8	5,755.36	114.3
671	N328	5,453.75	100 Tract NW Zone	0.0	5,749.78	128.1
672	N345	5,480.70	100 Tract NW Zone	15.8	5,752.33	117.5

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
673	N335	5,491.00	100 Tract NW Zone	0.9	5,749.88	112.0
674	N323	5,494.53	100 Tract NW Zone	11.4	5,749.15	110.2
675	N238	5,440.10	100 Tract NW Zone	9.7	5,748.68	133.5
676	N218	5,446.07	100 Tract NW Zone	0.9	5,748.49	130.8
677	N211	5,440.32	100 Tract NW Zone	15.8	5,751.20	134.5
678	N171	5,443.02	100 Tract NW Zone	4.4	5,775.00	143.6
679	N161	5,436.18	100 Tract NW Zone	5.3	5,778.10	147.9
680	N157	5,426.57	100 Tract NW Zone	13.2	5,783.48	154.4
681	N159	5,428.85	100 Tract NW Zone	11.4	5,786.39	154.7
682	N160	5,433.29	100 Tract NW Zone	7.9	5,788.14	153.5
1713	J-1	5,458.10	100 Tract NW Zone	0.9	5,772.24	135.9
1716	Church-LDS	5,458.00	100 Tract NW Zone	0.0	5,772.24	136.0
1728	J-7	5,438.85	100 Tract NW Zone	0.0	5,746.09	132.9
1731	J-8	5,439.00	100 Tract NW Zone	5.0	5,746.09	132.9
1765	N543	5,436.00	100 Tract NW Zone	0.0	5,748.67	135.3
1773	N544	5,591.44	100 Tract NW Zone	0.0	5,752.72	69.8
1779	N546	5,589.55	100 Tract NW Zone	0.0	5,751.93	70.3
1851	N567	5,594.00	100 Tract NW Zone	0.9	5,744.69	65.2
1856	J-43	5,559.00	100 Tract NW Zone	1.5	5,744.80	80.4
1880	Liberty Peak Elementary	5,458.15	100 Tract NW Zone	59.2	5,745.69	124.4
274	N444	5,584.00	100 Tract NE Zone	1.8	5,952.62	159.5
275	N531	5,732.00	100 Tract NE Zone	3.5	5,952.53	95.4
276	N505	5,728.00	100 Tract NE Zone	2.6	5,953.11	97.4
277	N507	5,763.00	100 Tract NE Zone	2.6	5,953.14	82.3
278	N495	5,739.00	100 Tract NE Zone	4.4	5,953.05	92.6
279	N480	5,737.00	100 Tract NE Zone	5.3	5,951.90	93.0
282	N526	5,773.00	100 Tract NE Zone	0.0	5,953.25	78.0
283	N434	5,742.00	100 Tract NE Zone	0.0	5,953.68	91.6
340	N456	5,572.10	100 Tract NE Zone	13.2	5,952.64	164.6
341	N487	5,769.40	100 Tract NE Zone	5.3	5,953.11	79.5
342	N530	5,761.80	100 Tract NE Zone	10.5	5,953.25	82.8
343	N511	5,668.00	100 Tract NE Zone	3.5	5,953.26	123.4
344	N497	5,735.30	100 Tract NE Zone	11.4	5,952.37	93.9
345	N476	5,736.20	100 Tract NE Zone	10.5	5,953.43	94.0
346	N436	5,715.00	100 Tract NE Zone	1.8	5,953.68	103.3
588	N528	5,764.60	100 Tract NE Zone	8.8	5,953.25	81.6
589	N521	5,746.10	100 Tract NE Zone	6.1	5,953.27	89.6
590	N518	5,739.50	100 Tract NE Zone	6.1	5,953.28	92.5
591	N482	5,749.00	100 Tract NE Zone	9.7	5,953.00	88.3
592	N472	5,737.40	100 Tract NE Zone	6.1	5,952.79	93.2
593	N525	5,744.00	100 Tract NE Zone	7.9	5,952.61	90.3

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
594	N516	5,743.30	100 Tract NE Zone	9.7	5,952.82	90.6
595	N510	5,753.40	100 Tract NE Zone	4.4	5,953.33	86.5
596	N501	5,724.90	100 Tract NE Zone	2.6	5,953.35	98.8
597	N491	5,754.40	100 Tract NE Zone	3.5	5,953.36	86.1
598	N445	5,739.90	100 Tract NE Zone	11.4	5,953.60	92.5
599	N429	5,732.10	100 Tract NE Zone	11.4	5,953.51	95.8
600	N499	5,726.20	100 Tract NE Zone	8.8	5,952.12	97.7
601	N479	5,757.10	100 Tract NE Zone	5.3	5,953.40	84.9
602	N470	5,736.80	100 Tract NE Zone	2.6	5,953.47	93.7
603	N461	5,755.10	100 Tract NE Zone	2.6	5,953.54	85.9
604	N451	5,725.20	100 Tract NE Zone	3.5	5,953.61	98.8
269	N289	5,641.00	100 Tract SE Zone	0.0	5,928.15	124.2
270	N228	5,605.00	100 Tract SE Zone	0.0	5,927.79	139.7
273	N339	5,662.00	100 Tract SE Zone	7.9	5,924.66	113.6
301	N362	5,712.00	100 Tract SE Zone	0.0	5,834.62	53.1
303	N371	5,733.00	100 Tract SE Zone	9.7	5,832.88	43.2
388	N314	5,628.10	100 Tract SE Zone	3.5	5,925.02	128.5
389	N353	5,730.70	100 Tract SE Zone	6.1	5,925.29	84.2
390	N389	5,558.60	100 Tract SE Zone	11.4	5,921.51	157.0
391	N322	5,703.80	100 Tract SE Zone	7.9	5,929.76	97.8
392	N269	5,685.10	100 Tract SE Zone	14.0	5,927.07	104.7
393	N231	5,653.00	100 Tract SE Zone	8.1	5,927.79	118.9
394	N311	5,702.60	100 Tract SE Zone	1.8	5,931.30	98.9
493	N271	5,598.80	100 Tract SE Zone	2.6	5,926.32	141.7
577	N300	5,702.60	100 Tract SE Zone	7.0	5,930.44	98.6
578	N279	5,699.27	100 Tract SE Zone	14.0	5,927.94	98.9
579	N246	5,629.58	100 Tract SE Zone	8.1	5,926.58	128.5
580	N275	5,603.74	100 Tract SE Zone	17.6	5,926.51	139.6
581	N351	5,707.90	100 Tract SE Zone	10.5	5,924.85	93.9
582	N344	5,708.20	100 Tract SE Zone	8.1	5,925.50	94.0
583	N361	5,651.90	100 Tract SE Zone	11.4	5,923.12	117.3
584	N347	5,594.10	100 Tract SE Zone	14.5	5,924.20	142.8
585	N327	5,664.40	100 Tract SE Zone	10.5	5,926.46	113.4
586	N324	5,703.00	100 Tract SE Zone	4.4	5,927.01	96.9
1776	N545	5,604.14	100 Tract SE Zone	0.0	5,927.79	140.0
1854	N568	5,644.00	100 Tract SE Zone	1.5	5,924.19	121.2
314	N116	5,393.00	300 Tract WEST Zone	0.0	5,653.31	112.6
363	N120	5,398.80	300 Tract WEST Zone	56.0	5,651.56	109.4
478	N124	5,408.20	300 Tract WEST Zone	0.0	5,651.39	105.2
479	N131	5,423.80	300 Tract WEST Zone	2.6	5,651.39	98.5
480	N132	5,408.50	300 Tract WEST Zone	6.1	5,651.41	105.1
481	N129	5,405.70	300 Tract WEST Zone	10.5	5,651.41	106.3
482	N126	5,398.30	300 Tract WEST Zone	3.5	5,651.44	109.5
483	N119	5,394.80	300 Tract WEST Zone	0.0	5,651.60	111.1
484	N114	5,453.60	300 Tract WEST Zone	2.6	5,650.99	85.4

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
485	N112	5,444.50	300 Tract WEST Zone	10.5	5,650.98	89.3
486	N110	5,480.00	300 Tract WEST Zone	14.9	5,648.82	73.0
487	N115	5,479.10	300 Tract WEST Zone	12.3	5,649.01	73.5
488	N100	5,331.20	300 Tract WEST Zone	1.8	5,649.24	137.6
489	N102	5,361.40	300 Tract WEST Zone	9.7	5,649.25	124.5
490	N106	5,422.90	300 Tract WEST Zone	11.4	5,649.50	98.0
499	N107	5,421.00	300 Tract WEST Zone	9.7	5,650.20	99.2
500	N108	5,445.17	300 Tract WEST Zone	12.3	5,650.36	88.8
501	N103	5,360.43	300 Tract WEST Zone	11.2	5,649.26	125.0
502	N101	5,361.92	300 Tract WEST Zone	8.1	5,648.96	124.2
503	N109	5,451.40	300 Tract WEST Zone	18.4	5,648.82	85.4
504	N111	5,484.73	300 Tract WEST Zone	8.1	5,648.96	71.1
505	N113	5,443.93	300 Tract WEST Zone	9.7	5,650.99	89.6
506	N118	5,397.74	300 Tract WEST Zone	0.9	5,651.99	110.0
507	N122	5,393.47	300 Tract WEST Zone	0.9	5,651.52	111.6
508	N121	5,393.47	300 Tract WEST Zone	2.6	5,651.52	111.6
509	N123	5,395.75	300 Tract WEST Zone	10.5	5,651.48	110.6
510	N125	5,397.50	300 Tract WEST Zone	2.6	5,651.44	109.9
511	N127	5,399.13	300 Tract WEST Zone	5.3	5,651.43	109.2
512	N128	5,402.12	300 Tract WEST Zone	5.3	5,651.42	107.9
513	N130	5,408.59	300 Tract WEST Zone	3.5	5,651.41	105.1
514	N135	5,407.46	300 Tract WEST Zone	0.9	5,651.41	105.5
687	N104	5,414.62	300 Tract WEST Zone	12.9	5,650.14	101.9
688	N105	5,414.00	300 Tract WEST Zone	14.0	5,650.15	102.2
1938	N569 (B&G Club)	5,395.41	300 Tract WEST Zone	1.5	5,651.68	110.9
266	N144	5,410.00	300 Tract NW Zone	0.0	5,791.72	165.2
296	N244	5,574.00	300 Tract NW Zone	0.0	5,856.73	122.3
457	N145	5,404.10	300 Tract NW Zone	0.0	5,798.69	170.7
458	N139	5,403.30	300 Tract NW Zone	0.0	5,796.69	170.2
459	N134	5,396.60	300 Tract NW Zone	1.8	5,794.81	172.3
460	N140	5,397.10	300 Tract NW Zone	5.3	5,792.58	171.1
471	N178	5,499.90	300 Tract NW Zone	15.8	5,811.21	134.7
472	N168	5,503.00	300 Tract NW Zone	7.9	5,831.37	142.1
473	N162	5,491.60	300 Tract NW Zone	12.3	5,829.13	146.0
474	N155	5,449.00	300 Tract NW Zone	6.1	5,815.18	158.4
475	N151	5,451.00	300 Tract NW Zone	8.8	5,810.17	155.4
477	N138	5,407.20	300 Tract NW Zone	0.9	5,800.79	170.3
496	N187	5,523.50	300 Tract NW Zone	7.9	5,842.82	138.2
515	N146	5,409.52	300 Tract NW Zone	0.9	5,800.79	169.3
641	N166	5,475.82	300 Tract NW Zone	10.5	5,810.44	144.8
642	N169	5,482.80	300 Tract NW Zone	9.7	5,811.54	142.2
643	N170	5,491.47	300 Tract NW Zone	11.2	5,831.33	147.0
644	N167	5,501.81	300 Tract NW Zone	2.6	5,831.37	142.6

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
645	N180	5,507.20	300 Tract NW Zone	7.9	5,836.01	142.3
646	N156	5,465.12	300 Tract NW Zone	9.7	5,824.96	155.7
647	N154	5,456.58	300 Tract NW Zone	2.6	5,819.66	157.1
648	N150	5,451.57	300 Tract NW Zone	4.4	5,814.20	156.9
649	N152	5,441.65	300 Tract NW Zone	1.8	5,808.75	158.8
650	N153	5,436.78	300 Tract NW Zone	9.7	5,805.97	159.7
662	N164	5,450.85	300 Tract NW Zone	7.0	5,786.37	145.2
663	N148	5,441.71	300 Tract NW Zone	3.5	5,802.95	156.3
683	N133	5,393.91	300 Tract NW Zone	15.6	5,792.22	172.3
684	Com136	5,396.17	300 Tract NW Zone	7.9	5,792.23	171.4
685	N141	5,397.55	300 Tract NW Zone	9.7	5,793.52	171.3
686	N137	5,397.03	300 Tract NW Zone	3.5	5,794.39	171.9
1718	J-3	5,449.16	300 Tract NW Zone	0.0	5,789.45	147.2
1721	Bawcom RE	5,449.00	300 Tract NW Zone	0.0	5,789.45	147.3
1723	J-5	5,429.02	300 Tract NW Zone	0.0	5,802.07	161.4
1726	Spring Creek Elementary	5,429.00	300 Tract NW Zone	9.5	5,802.07	161.4
1782	J-17	5,528.15	300 Tract NW Zone	0.0	5,844.10	136.7
268	N319	5,670.00	400 Tract LOWER Zone	0.0	5,869.04	86.1
272	N380	5,759.30	400 Tract LOWER Zone	0.0	5,877.74	51.2
280	N477	5,787.00	400 Tract LOWER Zone	6.1	5,873.10	37.3
281	N466	5,758.00	400 Tract LOWER Zone	8.8	5,873.30	49.9
295	N243	5,577.00	400 Tract LOWER Zone	0.0	5,864.21	124.3
339	N441	5,799.70	400 Tract LOWER Zone	0.0	5,891.61	39.8
353	N425	5,683.00	400 Tract LOWER Zone	15.8	5,868.27	80.2
354	N378	5,718.50	400 Tract LOWER Zone	13.2	5,868.92	65.1
355	N365	5,714.40	400 Tract LOWER Zone	10.7	5,868.77	66.8
356	N418	5,728.40	400 Tract LOWER Zone	14.9	5,872.44	62.3
357	N358	5,665.10	400 Tract LOWER Zone	7.9	5,870.50	88.9
358	N401	5,724.60	400 Tract LOWER Zone	8.1	5,870.68	63.2
359	N420	5,735.70	400 Tract LOWER Zone	4.4	5,872.77	59.3
360	N387	5,708.80	400 Tract LOWER Zone	12.9	5,880.57	74.3
361	N416	5,779.10	400 Tract LOWER Zone	1.8	5,885.76	46.1
362	N415	5,779.10	400 Tract LOWER Zone	0.9	5,885.16	45.9
364	N413	5,773.00	400 Tract LOWER Zone	12.1	5,885.09	48.5
365	N391	5,741.50	400 Tract LOWER Zone	11.4	5,879.46	59.7
366	N372	5,738.30	400 Tract LOWER Zone	7.9	5,874.43	58.9
367	N354	5,740.30	400 Tract LOWER Zone	6.1	5,872.56	57.2
368	N350	5,719.50	400 Tract LOWER Zone	15.8	5,871.72	65.9
369	N428	5,782.10	400 Tract LOWER Zone	7.0	5,884.22	44.2
370	N419	5,796.10	400 Tract LOWER Zone	6.1	5,884.46	38.2
371	N405	5,778.70	400 Tract LOWER Zone	13.2	5,882.50	44.9

GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD Condition Distribution System Junction Report
MDD - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
372	N392	5,758.40	400 Tract LOWER Zone	9.7	5,881.14	53.1
373	N388	5,764.20	400 Tract LOWER Zone	10.5	5,879.90	50.1
374	N364	5,733.00	400 Tract LOWER Zone	6.1	5,878.20	62.8
375	N376	5,710.40	400 Tract LOWER Zone	14.2	5,876.34	71.8
376	N342	5,645.40	400 Tract LOWER Zone	9.2	5,871.40	97.8
377	N333	5,677.10	400 Tract LOWER Zone	13.8	5,870.04	83.5
378	N297	5,634.50	400 Tract LOWER Zone	11.4	5,867.80	100.9
379	N281	5,593.00	400 Tract LOWER Zone	12.3	5,860.64	115.8
380	N255	5,590.70	400 Tract LOWER Zone	14.9	5,865.52	118.9
381	N282	5,594.00	400 Tract LOWER Zone	10.5	5,860.64	115.4
382	N316	5,617.60	400 Tract LOWER Zone	14.0	5,862.36	105.9
383	N346	5,652.70	400 Tract LOWER Zone	11.4	5,870.54	94.2
399	N438	5,798.30	400 Tract LOWER Zone	0.0	5,931.35	57.6
422	N459	5,811.00	400 Tract LOWER Zone	0.0	5,897.99	37.6
428	N460	5,811.00	400 Tract LOWER Zone	1.8	5,931.35	52.1
517	N430	5,771.70	400 Tract LOWER Zone	0.0	5,888.39	50.5
541	N435	5,760.00	400 Tract LOWER Zone	1.8	5,885.00	54.1
542	N443	5,761.00	400 Tract LOWER Zone	7.0	5,874.05	48.9
543	N452	5,758.60	400 Tract LOWER Zone	8.1	5,873.54	49.7
544	N439	5,733.10	400 Tract LOWER Zone	6.1	5,872.55	60.3
546	N377	5,682.60	400 Tract LOWER Zone	13.3	5,870.03	81.1
547	N400	5,711.90	400 Tract LOWER Zone	17.6	5,870.19	68.5
548	N422	5,719.60	400 Tract LOWER Zone	15.8	5,871.62	65.8
552	N373	5,679.50	400 Tract LOWER Zone	11.4	5,869.74	82.3
553	N385	5,664.50	400 Tract LOWER Zone	15.8	5,869.94	88.9
554	N394	5,692.40	400 Tract LOWER Zone	7.0	5,870.29	77.0
555	N409	5,765.30	400 Tract LOWER Zone	7.9	5,868.46	44.6
556	N410	5,734.90	400 Tract LOWER Zone	7.0	5,868.38	57.7
557	N411	5,720.60	400 Tract LOWER Zone	7.9	5,868.32	63.9
558	N414	5,692.10	400 Tract LOWER Zone	8.8	5,868.29	76.2
559	N426	5,703.90	400 Tract LOWER Zone	4.4	5,868.28	71.1
560	N393	5,686.00	400 Tract LOWER Zone	13.3	5,868.79	79.1
561	N382	5,739.00	400 Tract LOWER Zone	12.3	5,880.49	61.2
562	N395	5,777.90	400 Tract LOWER Zone	7.0	5,881.51	44.8
563	N417	5,798.50	400 Tract LOWER Zone	1.8	5,883.90	36.9
564	N381	5,759.30	400 Tract LOWER Zone	7.0	5,878.46	51.6
565	N412	5,776.30	400 Tract LOWER Zone	3.5	5,884.73	46.9
566	N396	5,772.00	400 Tract LOWER Zone	11.4	5,881.11	47.2
567	N384	5,749.50	400 Tract LOWER Zone	13.2	5,876.51	55.0
568	N363	5,734.00	400 Tract LOWER Zone	8.8	5,873.02	60.1
569	N349	5,673.40	400 Tract LOWER Zone	4.4	5,870.85	85.4
570	N299	5,617.26	400 Tract LOWER Zone	15.8	5,861.49	105.7
571	N283	5,597.10	400 Tract LOWER Zone	5.3	5,860.72	114.1
572	N329	5,628.94	400 Tract LOWER Zone	13.3	5,863.93	101.7
1755	J-10	5,788.87	400 Tract LOWER Zone	0.0	5,886.44	42.2

GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD Condition Distribution System Junction Report
MDD - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
1789	N549	5,593.80	400 Tract LOWER Zone	0.0	5,865.52	117.6
1792	N551	5,632.42	400 Tract LOWER Zone	0.0	5,861.49	99.1
1795	N552	5,668.14	400 Tract LOWER Zone	0.0	5,863.93	84.7
1798	N553	5,646.69	400 Tract LOWER Zone	0.0	5,880.57	101.2
1801	N550	5,717.38	400 Tract LOWER Zone	0.0	5,870.04	66.0
1810	N555	5,658.49	400 Tract LOWER Zone	0.0	5,869.74	91.4
1813	N556	5,668.83	400 Tract LOWER Zone	0.0	5,868.77	86.5
1834	N563	5,803.47	400 Tract LOWER Zone	0.0	5,873.54	30.3
287	N532	5,888.00	400 Tract UPPER Zone	8.8	6,069.07	78.3
321	N529	5,908.20	400 Tract UPPER Zone	2.6	6,075.61	72.4
322	N503	5,874.10	400 Tract UPPER Zone	9.7	6,068.29	84.0
323	N465	5,812.90	400 Tract UPPER Zone	11.4	6,067.25	110.0
324	N469	5,804.70	400 Tract UPPER Zone	7.0	6,067.27	113.6
325	N474	5,810.50	400 Tract UPPER Zone	7.0	6,067.23	111.1
326	N481	5,832.90	400 Tract UPPER Zone	9.7	6,067.23	101.4
327	N509	5,851.80	400 Tract UPPER Zone	4.4	6,065.64	92.5
328	N517	5,873.00	400 Tract UPPER Zone	10.5	6,066.22	83.6
329	N442	5,793.20	400 Tract UPPER Zone	5.3	6,057.58	114.4
330	N458	5,813.40	400 Tract UPPER Zone	8.8	6,057.81	105.7
331	N468	5,815.50	400 Tract UPPER Zone	5.3	6,058.02	104.9
332	N489	5,825.80	400 Tract UPPER Zone	4.4	6,058.63	100.7
333	N486	5,824.10	400 Tract UPPER Zone	6.1	6,058.37	101.4
334	N500	5,802.50	400 Tract UPPER Zone	17.6	6,056.79	110.0
335	N506	5,798.10	400 Tract UPPER Zone	7.0	6,020.06	96.0
336	N519	5,793.40	400 Tract UPPER Zone	13.2	5,992.86	86.3
337	N498	5,778.30	400 Tract UPPER Zone	16.7	5,991.77	92.4
516	N454	5,809.90	400 Tract UPPER Zone	0.0	6,067.25	111.3
518	N440	5,799.80	400 Tract UPPER Zone	4.4	6,067.24	115.7
519	N478	5,821.50	400 Tract UPPER Zone	7.9	6,067.35	106.4
520	N508	5,882.00	400 Tract UPPER Zone	9.7	6,068.22	80.6
523	N513	5,785.40	400 Tract UPPER Zone	7.9	5,991.96	89.4
524	N504	5,769.70	400 Tract UPPER Zone	11.4	5,990.71	95.6
525	N488	5,756.90	400 Tract UPPER Zone	3.5	5,989.52	100.6
526	N514	5,817.00	400 Tract UPPER Zone	16.7	6,020.31	88.0
527	N523	5,838.40	400 Tract UPPER Zone	7.9	6,026.98	81.6
528	N524	5,848.00	400 Tract UPPER Zone	9.7	6,056.38	90.2
529	N515	5,835.10	400 Tract UPPER Zone	7.0	6,056.46	95.8
530	N496	5,835.80	400 Tract UPPER Zone	16.5	6,062.70	98.2
531	N512	5,860.00	400 Tract UPPER Zone	1.8	6,065.86	89.1
532	N527	5,896.60	400 Tract UPPER Zone	8.8	6,069.07	74.6
533	N450	5,799.00	400 Tract UPPER Zone	8.1	6,067.30	116.1
534	N463	5,819.00	400 Tract UPPER Zone	10.5	6,067.30	107.4
535	N484	5,864.10	400 Tract UPPER Zone	17.6	6,067.55	88.0
536	N493	5,865.50	400 Tract UPPER Zone	13.2	6,067.69	87.5
537	N494	5,860.00	400 Tract UPPER Zone	8.8	6,067.61	89.8

GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD Condition Distribution System Junction Report
MDD - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
538	N492	5,820.70	400 Tract UPPER Zone	1.8	6,067.17	106.6
539	N502	5,842.50	400 Tract UPPER Zone	9.7	6,067.15	97.2
540	N520	5,896.10	400 Tract UPPER Zone	9.0	6,071.30	75.8
1819	N558	5,807.46	400 Tract UPPER Zone	0.0	6,057.81	108.3
1825	N560	5,804.27	400 Tract UPPER Zone	0.0	6,058.37	109.9
1828	N561	5,791.09	400 Tract UPPER Zone	0.0	6,067.23	119.5
1831	N562	5,808.06	400 Tract UPPER Zone	0.0	6,067.23	112.1
1837	N565	5,785.17	400 Tract UPPER Zone	0.0	6,056.79	117.5
1843	N566	5,788.09	400 Tract UPPER Zone	0.0	5,991.77	88.1
1846	J-38	5,794.14	400 Tract UPPER Zone	0.0	6,067.30	118.2
305	N278	5,617.00	400 Tract SE Zone	5.3	5,923.63	132.7
306	N320	5,636.50	400 Tract SE Zone	5.3	5,923.63	124.2
384	N290	5,625.20	400 Tract SE Zone	8.8	5,923.66	129.1
385	N287	5,634.80	400 Tract SE Zone	6.1	5,924.63	125.4
386	N291	5,624.90	400 Tract SE Zone	4.4	5,925.18	129.9
387	N273	5,571.20	400 Tract SE Zone	5.3	5,925.87	153.4
491	N334	5,593.50	400 Tract SE Zone	5.3	5,925.55	143.7
492	N274	5,586.50	400 Tract SE Zone	1.8	5,926.30	147.0
573	N340	5,656.80	400 Tract SE Zone	14.0	5,925.10	116.1
574	N307	5,666.00	400 Tract SE Zone	6.1	5,925.15	112.1
575	N247	5,588.64	400 Tract SE Zone	5.3	5,924.59	145.3
576	N272	5,578.80	400 Tract SE Zone	6.1	5,926.11	150.3
1785	N548	5,574.00	400 Tract SE Zone	0.0	5,926.11	152.3
1807	N554	5,653.33	400 Tract SE Zone	0.9	5,925.10	117.6
338	N467	5,728.30	400 Tract MID Zone	5.3	5,891.69	70.7
348	N462	5,805.00	400 Tract MID Zone	6.1	5,888.47	36.1
349	N464	5,756.90	400 Tract MID Zone	5.3	5,888.54	57.0
350	N446	5,793.70	400 Tract MID Zone	5.3	5,888.68	41.1
351	N453	5,734.30	400 Tract MID Zone	10.5	5,889.32	67.1
352	N433	5,706.90	400 Tract MID Zone	6.1	5,890.46	79.4
445	N485	5,755.10	400 Tract MID Zone	7.9	5,894.63	60.4
476	N447	5,770.60	400 Tract MID Zone	13.8	5,888.79	51.1
521	N483	5,765.00	400 Tract MID Zone	17.6	5,891.89	54.9
522	N473	5,738.70	400 Tract MID Zone	17.6	5,892.36	66.5
545	N475	5,780.90	400 Tract MID Zone	14.9	5,888.16	46.4
549	N432	5,725.80	400 Tract MID Zone	15.8	5,890.21	71.1
550	N449	5,720.30	400 Tract MID Zone	6.1	5,890.56	73.7
551	N437	5,716.00	400 Tract MID Zone	5.3	5,890.50	75.5
1816	N557	5,720.13	400 Tract MID Zone	0.0	5,890.21	73.6
1822	N559	5,793.19	400 Tract MID Zone	0.0	5,888.16	41.1
1840	N564	5,781.39	400 Tract MID Zone	0.0	5,891.89	47.8

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD+Fire Condition Distribution System Junction
Report**

Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N144	300 Tract NW Zone	True	1,000.0	0.0	1,000.0	2,606.6	2.9
N288	100 Tract NW Zone	True	1,000.0	0.0	1,000.0	4,000.0	17.0
N319	400 Tract LOWER Zone	True	1,000.0	0.0	1,000.0	2,714.4	0.6
N380	400 Tract LOWER Zone	True	1,000.0	0.0	1,000.0	2,382.5	7.3
N434	100 Tract NE Zone	True	1,000.0	0.0	1,000.0	1,447.8	7.4
N532	400 Tract UPPER Zone	True	1,000.0	8.8	1,008.8	1,891.1	20.6
N243	400 Tract LOWER Zone	True	1,000.0	0.0	1,000.0	3,051.8	-20.9
N244	300 Tract NW Zone	True	1,000.0	0.0	1,000.0	1,763.6	19.8
N369 - IRRG	100 Tract NW Zone	True	1,000.0	56.0	1,056.0	4,056.0	38.9
N116	300 Tract WEST Zone	True	1,000.0	0.0	1,000.0	1,736.9	-13.7
N227	100 Tract NW Zone	True	1,000.0	11.4	1,011.4	1,193.1	41.9
N529	400 Tract UPPER Zone	True	1,000.0	2.6	1,002.6	2,914.8	24.4
N441	400 Tract LOWER Zone	True	1,000.0	0.0	1,000.0	2,184.3	7.3
N476	100 Tract NE Zone	True	1,000.0	10.5	1,010.5	1,419.9	4.0
N436	100 Tract NE Zone	True	1,000.0	1.8	1,001.8	1,564.7	-5.3
N416	400 Tract LOWER Zone	True	1,000.0	1.8	1,001.8	2,185.2	5.5
N415	400 Tract LOWER Zone	True	1,000.0	0.9	1,000.9	1,710.5	6.8
N120	300 Tract WEST Zone	True	1,500.0	56.0	1,556.0	1,845.2	-4.5
N413	400 Tract LOWER Zone	True	1,000.0	12.1	1,012.1	1,840.0	4.7
N419	400 Tract LOWER Zone	True	1,000.0	6.1	1,006.1	1,940.5	7.3
N405	400 Tract LOWER Zone	True	1,000.0	13.2	1,013.2	2,045.1	7.3

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD+Fire Condition Distribution System Junction
Report**

Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N388	400 Tract LOWER Zone	True	1,000.0	10.5	1,010.5	2,070.6	7.3
N376	400 Tract LOWER Zone	True	1,000.0	14.2	1,014.2	2,738.7	-0.6
N342	400 Tract LOWER Zone	True	1,000.0	9.2	1,009.2	2,964.1	-11.0
N333	400 Tract LOWER Zone	True	1,000.0	13.8	1,013.8	2,720.5	0.8
N297	400 Tract LOWER Zone	True	1,000.0	11.4	1,011.4	2,890.4	-9.0
N255	400 Tract LOWER Zone	True	1,000.0	14.9	1,014.9	3,044.7	-19.5
N399	100 Tract NW Zone	True	1,500.0	7.9	1,507.9	3,460.1	10.3
N404	100 Tract NW Zone	True	1,000.0	2.6	1,002.6	4,002.6	27.2
N374	100 Tract NW Zone	True	1,000.0	6.1	1,006.1	4,006.1	39.0
N302(IRRG)	100 Tract NW Zone	True	1,500.0	55.1	1,555.1	3,831.9	16.1
N292	100 Tract NW Zone	True	1,000.0	0.0	1,000.0	2,104.6	46.3
N308	100 Tract NW Zone	True	1,000.0	1.8	1,001.8	4,001.8	9.1
N312	100 Tract NW Zone	True	1,000.0	3.5	1,003.5	4,003.5	11.3
N330	100 Tract NW Zone	True	1,000.0	16.7	1,016.7	1,054.2	-9.8
N325	100 Tract NW Zone	True	1,000.0	5.9	1,005.9	1,223.3	-5.5
N317	100 Tract NW Zone	True	1,000.0	8.8	1,008.8	1,742.3	25.5
N309	100 Tract NW Zone	True	1,000.0	5.3	1,005.3	4,005.3	35.8
N343	100 Tract NW Zone	True	1,000.0	14.0	1,014.0	4,014.0	37.8
N370	100 Tract NW Zone	True	1,000.0	8.8	1,008.8	4,008.8	38.9
N360	100 Tract NW Zone	True	1,000.0	10.5	1,010.5	3,956.9	19.8
N357	100 Tract NW Zone	True	1,000.0	8.8	1,008.8	3,808.7	30.6

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD+Fire Condition Distribution System Junction
Report**

Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N355	100 Tract NW Zone	True	1,000.0	2.6	1,002.6	3,691.1	24.4
N240	100 Tract NW Zone	True	1,000.0	16.7	1,016.7	1,076.8	43.5
N277	100 Tract NW Zone	True	1,000.0	14.0	1,014.0	1,115.4	43.3
N260	100 Tract NW Zone	True	1,000.0	10.5	1,010.5	4,010.5	23.7
N256	100 Tract NW Zone	True	1,000.0	3.5	1,003.5	4,003.5	25.6
N249	100 Tract NW Zone	True	1,000.0	8.1	1,008.1	4,008.1	28.1
N459	400 Tract LOWER Zone	True	1,000.0	0.0	1,000.0	2,026.9	7.2
N257	100 Tract NW Zone	True	1,000.0	8.8	1,008.8	4,008.8	31.8
N253	100 Tract NW Zone	True	1,000.0	3.5	1,003.5	3,413.9	36.1
N239	100 Tract NW Zone	True	1,000.0	5.3	1,005.3	3,257.7	16.7
N236	100 Tract NW Zone	True	1,500.0	13.2	1,513.2	3,554.4	25.0
N262	100 Tract NW Zone	True	1,000.0	5.3	1,005.3	3,937.4	29.7
N304	100 Tract NW Zone	True	1,000.0	8.8	1,008.8	3,583.4	34.9
N326	100 Tract NW Zone	True	1,000.0	2.6	1,002.6	2,820.4	13.5
N337	100 Tract NW Zone	True	1,000.0	4.4	1,004.4	2,611.6	20.1
N331	100 Tract NW Zone	True	1,000.0	14.9	1,014.9	1,786.6	19.5
N267	100 Tract NW Zone	True	1,000.0	13.2	1,013.2	1,027.5	20.6
N179	100 Tract NW Zone	True	1,000.0	17.6	1,017.6	1,281.4	42.2
N199	100 Tract NW Zone	True	1,000.0	12.3	1,012.3	1,171.6	42.5
N194	100 Tract NW Zone	True	1,000.0	10.5	1,010.5	2,560.4	37.8
N219	100 Tract NW Zone	True	1,000.0	14.9	1,014.9	2,888.4	36.3

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD+Fire Condition Distribution System Junction
Report**

Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N210	100 Tract NW Zone	True	1,000.0	11.4	1,011.4	1,234.3	41.9
N212(IRRG)	100 Tract NW Zone	True	1,000.0	69.2	1,069.2	1,394.9	41.2
N213	100 Tract NW Zone	True	1,000.0	12.3	1,012.3	1,163.1	31.4
N217	100 Tract NW Zone	True	1,000.0	14.9	1,014.9	1,069.0	42.7
N258	100 Tract NW Zone	True	1,000.0	2.6	1,002.6	4,002.6	24.7
N250	100 Tract NW Zone	True	1,000.0	14.0	1,014.0	4,014.0	22.0
N216	100 Tract NW Zone	True	1,000.0	11.4	1,011.4	3,206.8	-10.6
N204	100 Tract NW Zone	True	1,000.0	15.8	1,015.8	3,196.5	-22.6
N193	100 Tract NW Zone	True	1,000.0	5.3	1,005.3	2,909.7	2.4
N183	100 Tract NW Zone	True	1,000.0	6.8	1,006.8	3,157.3	-7.3
N158	100 Tract NW Zone	True	1,000.0	4.4	1,004.4	1,628.0	17.9
N145	300 Tract NW Zone	True	1,000.0	0.0	1,000.0	2,670.3	-15.5
N139	300 Tract NW Zone	True	1,000.0	0.0	1,000.0	2,645.4	-8.9
N134	300 Tract NW Zone	True	1,000.0	1.8	1,001.8	2,665.2	-6.9
N140	300 Tract NW Zone	True	1,000.0	5.3	1,005.3	2,684.2	-4.0
N172	100 Tract NW Zone	True	1,000.0	11.4	1,011.4	2,889.0	6.9
N173	100 Tract NW Zone	True	1,000.0	11.4	1,011.4	1,305.7	41.9
N175	100 Tract NW Zone	True	1,000.0	2.6	1,002.6	2,919.8	4.7
N181	100 Tract NW Zone	True	1,000.0	10.5	1,010.5	1,378.2	41.3
N192	100 Tract NW Zone	True	1,000.0	4.4	1,004.4	2,459.6	-30.8
N165	100 Tract NW Zone	True	1,000.0	7.9	1,007.9	2,825.6	10.5

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD+Fire Condition Distribution System Junction
Report**

Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N168	300 Tract NW Zone	True	1,000.0	7.9	1,007.9	1,154.2	24.0
N155	300 Tract NW Zone	True	1,000.0	6.1	1,006.1	2,509.8	-26.4
N151	300 Tract NW Zone	True	1,000.0	8.8	1,008.8	2,553.0	-24.6
N138	300 Tract NW Zone	True	1,000.0	0.9	1,000.9	2,607.7	-14.6
N132	300 Tract WEST Zone	True	1,500.0	6.1	1,506.1	2,773.9	-7.0
N129	300 Tract WEST Zone	True	1,000.0	10.5	1,010.5	2,507.5	-9.2
N126	300 Tract WEST Zone	True	1,000.0	3.5	1,003.5	2,315.5	-13.4
N119	300 Tract WEST Zone	True	1,000.0	0.0	1,000.0	1,953.0	-17.9
N112	300 Tract WEST Zone	True	1,000.0	10.5	1,010.5	1,267.3	1.7
N187	300 Tract NW Zone	True	1,000.0	7.9	1,007.9	2,032.9	0.6
N107	300 Tract WEST Zone	True	1,000.0	9.7	1,009.7	1,036.8	10.4
N108	300 Tract WEST Zone	True	1,000.0	12.3	1,012.3	1,078.0	7.5
N113	300 Tract WEST Zone	True	1,000.0	9.7	1,009.7	1,272.6	1.5
N118	300 Tract WEST Zone	True	1,000.0	0.9	1,000.9	1,775.5	-18.9
N122	300 Tract WEST Zone	True	1,000.0	0.9	1,000.9	1,973.1	-3.5
N121	300 Tract WEST Zone	True	1,000.0	2.6	1,002.6	2,122.2	-17.2
N123	300 Tract WEST Zone	True	1,000.0	10.5	1,010.5	2,202.3	-15.3
N125	300 Tract WEST Zone	True	1,000.0	2.6	1,002.6	2,213.5	-2.2
N127	300 Tract WEST Zone	True	1,000.0	5.3	1,005.3	2,361.7	-12.7
N128	300 Tract WEST Zone	True	1,000.0	5.3	1,005.3	2,420.8	-11.1
N130	300 Tract WEST Zone	True	1,000.0	3.5	1,003.5	2,655.1	-7.3

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD+Fire Condition Distribution System Junction
Report**

Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N135	300 Tract WEST Zone	True	1,000.0	0.9	1,000.9	2,909.9	-7.1
N146	300 Tract NW Zone	True	1,000.0	0.9	1,000.9	2,705.3	-24.3
N430	400 Tract LOWER Zone	True	1,000.0	0.0	1,000.0	2,358.0	1.7
N527	400 Tract UPPER Zone	True	1,000.0	8.8	1,008.8	1,883.6	25.8
N520	400 Tract UPPER Zone	True	1,000.0	9.0	1,009.0	1,219.3	26.0
N395	400 Tract LOWER Zone	True	1,000.0	7.0	1,007.0	2,005.4	7.3
N417	400 Tract LOWER Zone	True	1,000.0	1.8	1,001.8	1,885.5	7.3
N381	400 Tract LOWER Zone	True	1,000.0	7.0	1,007.0	2,050.7	7.3
N412	400 Tract LOWER Zone	True	1,000.0	3.5	1,003.5	1,520.3	7.3
N305	100 Tract NW Zone	True	1,000.0	5.3	1,005.3	4,005.3	25.2
N521	100 Tract NE Zone	True	1,000.0	6.1	1,006.1	1,114.8	8.4
N518	100 Tract NE Zone	True	1,000.0	6.1	1,006.1	1,193.5	5.5
N510	100 Tract NE Zone	True	1,000.0	4.4	1,004.4	1,276.4	11.5
N501	100 Tract NE Zone	True	1,000.0	2.6	1,002.6	1,402.3	-0.9
N491	100 Tract NE Zone	True	1,000.0	3.5	1,003.5	1,305.5	11.9
N445	100 Tract NE Zone	True	1,000.0	11.4	1,011.4	1,335.5	17.9
N479	100 Tract NE Zone	True	1,000.0	5.3	1,005.3	1,319.4	13.1
N470	100 Tract NE Zone	True	1,000.0	2.6	1,002.6	1,421.0	4.2
N461	100 Tract NE Zone	True	1,000.0	2.6	1,002.6	1,366.1	12.1
N451	100 Tract NE Zone	True	1,000.0	3.5	1,003.5	1,507.7	-0.8
N280	100 Tract NW Zone	True	1,000.0	9.6	1,009.6	2,562.0	38.2

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD+Fire Condition Distribution System Junction
Report**

Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N222	100 Tract NW Zone	True	1,000.0	3.5	1,003.5	3,285.4	-5.1
N220	100 Tract NW Zone	True	1,000.0	16.7	1,016.7	3,536.5	-0.7
N254	100 Tract NW Zone	True	1,000.0	3.5	1,003.5	4,003.5	26.1
N242	100 Tract NW Zone	True	1,000.0	12.3	1,012.3	4,012.3	11.7
N270	100 Tract NW Zone	True	1,000.0	12.3	1,012.3	4,012.3	29.9
N259	100 Tract NW Zone	True	1,000.0	9.7	1,009.7	4,009.7	30.6
N276	100 Tract NW Zone	True	1,000.0	7.0	1,007.0	2,749.2	37.9
N315	100 Tract NW Zone	True	1,000.0	11.2	1,011.2	1,828.1	35.1
N402	100 Tract NW Zone	True	1,000.0	16.7	1,016.7	4,016.7	15.5
N379	100 Tract NW Zone	True	1,000.0	12.3	1,012.3	4,012.3	39.2
N366	100 Tract NW Zone	True	1,000.0	7.9	1,007.9	4,007.9	27.1
N352	100 Tract NW Zone	True	1,000.0	3.5	1,003.5	4,003.5	38.5
N332	100 Tract NW Zone	True	1,000.0	19.3	1,019.3	4,019.3	36.8
N313	100 Tract NW Zone	True	1,000.0	6.1	1,006.1	3,531.6	37.3
N306	100 Tract NW Zone	True	1,000.0	5.3	1,005.3	4,005.3	35.4
N298	100 Tract NW Zone	True	1,000.0	13.2	1,013.2	4,013.2	34.6
N268	100 Tract NW Zone	True	1,000.0	3.5	1,003.5	4,003.5	33.3
N265	100 Tract NW Zone	True	1,000.0	0.9	1,000.9	3,975.9	27.1
N261	100 Tract NW Zone	True	1,000.0	13.2	1,013.2	4,013.2	26.5
N248	100 Tract NW Zone	True	1,000.0	1.8	1,001.8	3,155.4	37.2
N232	100 Tract NW Zone	True	1,000.0	4.4	1,004.4	1,858.2	26.9

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD+Fire Condition Distribution System Junction
Report**

Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N233	100 Tract NW Zone	True	1,000.0	4.4	1,004.4	2,242.2	19.3
N241	100 Tract NW Zone	True	1,000.0	3.3	1,003.3	3,539.1	32.1
N266	100 Tract NW Zone	True	1,000.0	8.8	1,008.8	4,008.8	33.2
N201	100 Tract NW Zone	True	1,000.0	9.7	1,009.7	2,930.5	0.0
N196	100 Tract NW Zone	True	1,000.0	7.9	1,007.9	3,043.4	-11.6
N197	100 Tract NW Zone	True	1,000.0	9.7	1,009.7	3,071.5	-17.0
N195	100 Tract NW Zone	True	1,000.0	7.0	1,007.0	3,148.7	-34.0
N191	100 Tract NW Zone	True	1,000.0	6.1	1,006.1	1,785.9	-24.8
N198	100 Tract NW Zone	True	1,000.0	10.3	1,010.3	1,351.5	-16.1
N177	100 Tract NW Zone	True	1,000.0	14.0	1,014.0	1,294.6	41.8
N174	100 Tract NW Zone	True	1,000.0	9.0	1,009.0	1,140.5	42.7
N170	300 Tract NW Zone	True	1,000.0	11.2	1,011.2	2,225.0	-10.9
N167	300 Tract NW Zone	True	1,000.0	2.6	1,002.6	1,152.1	22.9
N180	300 Tract NW Zone	True	1,000.0	7.9	1,007.9	2,129.9	-4.8
N156	300 Tract NW Zone	True	1,000.0	9.7	1,009.7	2,372.3	-21.2
N154	300 Tract NW Zone	True	1,000.0	2.6	1,002.6	2,439.2	-23.9
N150	300 Tract NW Zone	True	1,000.0	4.4	1,004.4	2,506.7	-25.0
N152	300 Tract NW Zone	True	1,000.0	1.8	1,001.8	2,599.0	-28.4
N153	300 Tract NW Zone	True	1,000.0	9.7	1,009.7	2,658.4	-30.0
N294	100 Tract NW Zone	True	1,000.0	6.1	1,006.1	3,332.3	37.8
N251	100 Tract NW Zone	True	1,000.0	5.3	1,005.3	3,152.1	37.3

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD+Fire Condition Distribution System Junction
Report**

Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
Com284	100 Tract NW Zone	True	1,500.0	3.5	1,503.5	3,350.2	25.2
N237	100 Tract NW Zone	True	1,500.0	14.9	1,514.9	3,594.2	22.6
Com230	100 Tract NW Zone	True	1,500.0	11.4	1,511.4	3,169.1	36.5
N209	100 Tract NW Zone	True	1,000.0	12.3	1,012.3	2,633.2	36.1
N202	100 Tract NW Zone	True	1,000.0	8.8	1,008.8	2,409.8	38.7
N186	100 Tract NW Zone	True	1,000.0	14.0	1,014.0	1,087.4	43.3
N184	100 Tract NW Zone	True	1,000.0	6.1	1,006.1	3,029.4	-1.8
N185	100 Tract NW Zone	True	1,000.0	6.1	1,006.1	2,721.5	21.5
N176	100 Tract NW Zone	True	1,000.0	10.5	1,010.5	2,983.0	1.6
N164	300 Tract NW Zone	True	1,000.0	7.0	1,007.0	2,807.0	-12.7
N148	300 Tract NW Zone	True	1,000.0	3.5	1,003.5	2,669.8	-27.4
N403	100 Tract NW Zone	True	1,000.0	5.3	1,005.3	4,005.3	45.3
N390	100 Tract NW Zone	True	1,000.0	12.3	1,012.3	2,629.6	45.1
N383	100 Tract NW Zone	True	1,000.0	10.5	1,010.5	2,380.4	44.5
N356	100 Tract NW Zone	True	1,000.0	15.8	1,015.8	3,714.9	23.2
N328	100 Tract NW Zone	True	1,000.0	0.0	1,000.0	2,457.7	24.2
N345	100 Tract NW Zone	True	1,000.0	15.8	1,015.8	2,750.5	40.0
N335	100 Tract NW Zone	True	1,000.0	0.9	1,000.9	2,354.5	20.0
N323	100 Tract NW Zone	True	1,000.0	11.4	1,011.4	1,030.2	23.9
N211	100 Tract NW Zone	True	1,000.0	15.8	1,015.8	1,160.6	36.6
N171	100 Tract NW Zone	True	1,000.0	4.4	1,004.4	1,476.5	41.1

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD+Fire Condition Distribution System Junction
Report**

Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N161	100 Tract NW Zone	True	1,000.0	5.3	1,005.3	1,526.1	37.3
N157	100 Tract NW Zone	True	1,000.0	13.2	1,013.2	1,806.1	38.4
N159	100 Tract NW Zone	True	1,000.0	11.4	1,011.4	2,130.9	28.7
N160	100 Tract NW Zone	True	1,000.0	7.9	1,007.9	2,488.7	24.9
N133	300 Tract NW Zone	True	1,000.0	15.6	1,015.6	2,428.3	17.4
Com136	300 Tract NW Zone	True	1,500.0	7.9	1,507.9	2,680.8	-3.1
N141	300 Tract NW Zone	True	1,000.0	9.7	1,009.7	2,675.5	-4.7
N137	300 Tract NW Zone	True	1,500.0	3.5	1,503.5	2,666.1	-6.0
N105	300 Tract WEST Zone	True	1,000.0	14.0	1,014.0	1,020.8	12.0
J-1	100 Tract NW Zone	True	1,000.0	0.9	1,000.9	2,943.4	3.3
Church-LDS	100 Tract NW Zone	True	1,500.0	0.0	1,500.0	2,845.9	8.2
J-3	300 Tract NW Zone	True	1,000.0	0.0	1,000.0	2,747.1	-13.3
Bawcom RE	300 Tract NW Zone	True	1,500.0	0.0	1,500.0	2,645.9	-4.2
J-5	300 Tract NW Zone	True	1,000.0	0.0	1,000.0	2,677.3	-25.4
Spring Creek Elementary	300 Tract NW Zone	True	1,500.0	9.5	1,509.5	2,538.8	-10.7
J-7	100 Tract NW Zone	True	1,500.0	0.0	1,500.0	3,313.8	19.9
J-8	100 Tract NW Zone	True	1,500.0	5.0	1,505.0	2,770.8	38.3
J-10	400 Tract LOWER Zone	True	1,000.0	0.0	1,000.0	1,374.0	7.3
J-17	300 Tract NW Zone	True	1,000.0	0.0	1,000.0	2,000.5	2.4
J-43	100 Tract NW Zone	True	1,000.0	1.5	1,001.5	1,214.2	45.7

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD+Fire Condition Distribution System Junction
Report**

Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
Liberty Peak Elementary	100 Tract NW Zone	True	3,250.0	59.2	3,309.2	3,751.0	35.0
N569 (B&G Club)	300 Tract WEST Zone	True	1,875.0	1.5	1,876.5	1,912.3	-18.1
N289	100 Tract SE Zone	False	1,000.0	0.0	1,000.0	720.1	12.1
N228	100 Tract SE Zone	False	1,000.0	0.0	1,000.0	187.9	46.7
N339	100 Tract SE Zone	False	1,000.0	7.9	1,007.9	159.6	47.8
N444	100 Tract NE Zone	False	1,000.0	1.8	1,001.8	253.6	75.7
N531	100 Tract NE Zone	False	1,000.0	3.5	1,003.5	172.7	61.4
N505	100 Tract NE Zone	False	1,000.0	2.6	1,002.6	219.2	51.6
N507	100 Tract NE Zone	False	1,000.0	2.6	1,002.6	322.7	30.4
N495	100 Tract NE Zone	False	1,000.0	4.4	1,004.4	203.3	56.0
N480	100 Tract NE Zone	False	1,000.0	5.3	1,005.3	153.0	72.2
N477	400 Tract LOWER Zone	False	1,000.0	6.1	1,006.1	129.2	7.4
N466	400 Tract LOWER Zone	False	1,000.0	8.8	1,008.8	307.4	7.4
N526	100 Tract NE Zone	False	1,000.0	0.0	1,000.0	852.6	32.8
N362	100 Tract SE Zone	False	1,000.0	0.0	1,000.0	305.5	10.2
N371	100 Tract SE Zone	False	1,000.0	9.7	1,009.7	63.9	54.4
N338	100 Tract NW Zone	False	1,000.0	10.5	1,010.5	650.7	45.7
N278	400 Tract SE Zone	False	1,000.0	5.3	1,005.3	240.2	24.9
N320	400 Tract SE Zone	False	1,000.0	5.3	1,005.3	224.3	40.4
N235	100 Tract NW Zone	False	1,000.0	6.1	1,006.1	694.7	36.8

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD+Fire Condition Distribution System Junction
Report**

Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N203	100 Tract NW Zone	False	1,000.0	2.6	1,002.6	541.4	23.1
N503	400 Tract UPPER Zone	False	1,000.0	9.7	1,009.7	879.0	16.6
N465	400 Tract UPPER Zone	False	1,000.0	11.4	1,011.4	740.5	21.3
N469	400 Tract UPPER Zone	False	1,000.0	7.0	1,007.0	813.0	16.5
N474	400 Tract UPPER Zone	False	1,000.0	7.0	1,007.0	737.4	21.1
N481	400 Tract UPPER Zone	False	1,000.0	9.7	1,009.7	767.6	29.6
N509	400 Tract UPPER Zone	False	1,000.0	4.4	1,004.4	836.9	27.0
N517	400 Tract UPPER Zone	False	1,000.0	10.5	1,010.5	778.8	37.9
N442	400 Tract UPPER Zone	False	1,000.0	5.3	1,005.3	169.3	72.2
N458	400 Tract UPPER Zone	False	1,000.0	8.8	1,008.8	278.8	22.6
N468	400 Tract UPPER Zone	False	1,000.0	5.3	1,005.3	327.2	20.8
N489	400 Tract UPPER Zone	False	1,000.0	4.4	1,004.4	537.3	23.2
N486	400 Tract UPPER Zone	False	1,000.0	6.1	1,006.1	533.1	24.9
N500	400 Tract UPPER Zone	False	1,000.0	17.6	1,017.6	557.0	27.6
N506	400 Tract UPPER Zone	False	1,000.0	7.0	1,007.0	166.0	50.9
N519	400 Tract UPPER Zone	False	1,000.0	13.2	1,013.2	195.9	23.5
N498	400 Tract UPPER Zone	False	1,000.0	16.7	1,016.7	202.7	16.1
N467	400 Tract MID Zone	False	1,000.0	5.3	1,005.3	215.8	-14.6
N456	100 Tract NE Zone	False	1,000.0	13.2	1,013.2	380.5	15.3
N487	100 Tract NE Zone	False	1,000.0	5.3	1,005.3	546.0	28.9
N530	100 Tract NE Zone	False	1,000.0	10.5	1,010.5	971.2	15.2

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD+Fire Condition Distribution System Junction
Report**

Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N511	100 Tract NE Zone	False	1,000.0	3.5	1,003.5	928.0	29.0
N497	100 Tract NE Zone	False	1,000.0	11.4	1,011.4	372.8	19.1
N462	400 Tract MID Zone	False	1,000.0	6.1	1,006.1	94.9	30.0
N464	400 Tract MID Zone	False	1,000.0	5.3	1,005.3	157.4	-0.6
N446	400 Tract MID Zone	False	1,000.0	5.3	1,005.3	93.5	30.0
N453	400 Tract MID Zone	False	1,000.0	10.5	1,010.5	196.0	-10.6
N433	400 Tract MID Zone	False	1,000.0	6.1	1,006.1	219.2	-20.3
N425	400 Tract LOWER Zone	False	1,000.0	15.8	1,015.8	417.8	6.1
N378	400 Tract LOWER Zone	False	1,000.0	13.2	1,013.2	444.4	7.4
N365	400 Tract LOWER Zone	False	1,000.0	10.7	1,010.7	295.3	7.4
N418	400 Tract LOWER Zone	False	1,000.0	14.9	1,014.9	597.1	7.4
N358	400 Tract LOWER Zone	False	1,000.0	7.9	1,007.9	731.3	7.4
N401	400 Tract LOWER Zone	False	1,000.0	8.1	1,008.1	549.5	7.4
N420	400 Tract LOWER Zone	False	1,000.0	4.4	1,004.4	612.8	7.4
N387	400 Tract LOWER Zone	False	1,000.0	12.9	1,012.9	420.4	7.4
N391	400 Tract LOWER Zone	False	1,000.0	11.4	1,011.4	922.3	7.3
N372	400 Tract LOWER Zone	False	1,000.0	7.9	1,007.9	697.8	7.4
N354	400 Tract LOWER Zone	False	1,000.0	6.1	1,006.1	635.6	7.4
N350	400 Tract LOWER Zone	False	1,000.0	15.8	1,015.8	684.6	7.4
N428	400 Tract LOWER Zone	False	1,000.0	7.0	1,007.0	183.9	7.4
N392	400 Tract LOWER Zone	False	1,000.0	9.7	1,009.7	467.0	7.4

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD+Fire Condition Distribution System Junction
Report**

Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N364	400 Tract LOWER Zone	False	1,000.0	6.1	1,006.1	188.4	7.4
N281	400 Tract LOWER Zone	False	1,000.0	12.3	1,012.3	253.9	7.4
N282	400 Tract LOWER Zone	False	1,000.0	10.5	1,010.5	252.0	7.4
N316	400 Tract LOWER Zone	False	1,000.0	14.0	1,014.0	323.2	7.4
N346	400 Tract LOWER Zone	False	1,000.0	11.4	1,011.4	771.8	5.6
N290	400 Tract SE Zone	False	1,000.0	8.8	1,008.8	257.1	15.7
N287	400 Tract SE Zone	False	1,000.0	6.1	1,006.1	389.6	19.0
N291	400 Tract SE Zone	False	1,000.0	4.4	1,004.4	495.1	2.3
N273	400 Tract SE Zone	False	1,000.0	5.3	1,005.3	657.0	-21.3
N314	100 Tract SE Zone	False	1,000.0	3.5	1,003.5	241.7	5.7
N353	100 Tract SE Zone	False	1,000.0	6.1	1,006.1	253.1	29.8
N389	100 Tract SE Zone	False	1,000.0	11.4	1,011.4	186.6	45.4
N322	100 Tract SE Zone	False	1,000.0	7.9	1,007.9	768.6	7.6
N269	100 Tract SE Zone	False	1,000.0	14.0	1,014.0	439.0	32.5
N231	100 Tract SE Zone	False	1,000.0	8.1	1,008.1	307.3	40.5
N311	100 Tract SE Zone	False	1,000.0	1.8	1,001.8	779.9	7.0
N438	400 Tract LOWER Zone	False	1,000.0	0.0	1,000.0	319.5	5.4
N318	100 Tract NW Zone	False	1,000.0	7.9	1,007.9	978.9	31.6
N225	100 Tract NW Zone	False	1,000.0	9.7	1,009.7	987.2	31.1
N229	100 Tract NW Zone	False	1,000.0	10.5	1,010.5	980.3	33.4
N460	400 Tract LOWER Zone	False	1,000.0	1.8	1,001.8	325.4	5.3

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD+Fire Condition Distribution System Junction
Report**

Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N285	100 Tract NW Zone	False	1,000.0	11.4	1,011.4	907.8	45.0
N252	100 Tract NW Zone	False	1,000.0	9.7	1,009.7	813.1	45.4
N208	100 Tract NW Zone	False	1,000.0	6.1	1,006.1	552.6	20.6
N221	100 Tract NW Zone	False	1,000.0	12.3	1,012.3	583.1	19.7
N224	100 Tract NW Zone	False	1,000.0	7.0	1,007.0	806.5	18.8
N215	100 Tract NW Zone	False	1,000.0	16.7	1,016.7	1,008.1	43.5
N485	400 Tract MID Zone	False	1,000.0	7.9	1,007.9	212.4	-4.0
N234	100 Tract NW Zone	False	1,000.0	16.7	1,016.7	508.9	46.7
N207	100 Tract NW Zone	False	1,000.0	3.5	1,003.5	557.5	16.9
N205	100 Tract NW Zone	False	1,000.0	7.0	1,007.0	311.0	9.9
N206	100 Tract NW Zone	False	1,000.0	13.2	1,013.2	590.1	3.3
N190	100 Tract NW Zone	False	1,000.0	3.5	1,003.5	939.3	43.7
N178	300 Tract NW Zone	False	1,000.0	15.8	1,015.8	447.6	98.2
N162	300 Tract NW Zone	False	1,000.0	12.3	1,012.3	929.7	75.5
N447	400 Tract MID Zone	False	1,000.0	13.8	1,013.8	155.9	10.2
N124	300 Tract WEST Zone	False	1,000.0	0.0	1,000.0	158.2	71.1
N131	300 Tract WEST Zone	False	1,000.0	2.6	1,002.6	336.8	27.0
N114	300 Tract WEST Zone	False	1,000.0	2.6	1,002.6	629.9	63.8
N110	300 Tract WEST Zone	False	1,000.0	14.9	1,014.9	454.1	35.9
N115	300 Tract WEST Zone	False	1,000.0	12.3	1,012.3	518.1	28.6
N100	300 Tract WEST Zone	False	1,000.0	1.8	1,001.8	508.9	40.8

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD+Fire Condition Distribution System Junction
Report**

Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N102	300 Tract WEST Zone	False	1,000.0	9.7	1,009.7	777.6	11.6
N106	300 Tract WEST Zone	False	1,000.0	11.4	1,011.4	831.2	8.8
N334	400 Tract SE Zone	False	1,000.0	5.3	1,005.3	185.2	90.6
N274	400 Tract SE Zone	False	1,000.0	1.8	1,001.8	688.3	-14.8
N271	100 Tract SE Zone	False	1,000.0	2.6	1,002.6	667.0	12.5
N214	100 Tract NW Zone	False	1,000.0	5.3	1,005.3	275.0	12.2
N359	100 Tract NW Zone	False	1,000.0	12.3	1,012.3	71.6	49.1
N336	100 Tract NW Zone	False	1,000.0	5.3	1,005.3	928.8	37.1
N103	300 Tract WEST Zone	False	1,000.0	11.2	1,011.2	742.9	18.4
N101	300 Tract WEST Zone	False	1,000.0	8.1	1,008.1	497.2	33.1
N109	300 Tract WEST Zone	False	1,000.0	18.4	1,018.4	505.1	27.3
N111	300 Tract WEST Zone	False	1,000.0	8.1	1,008.1	405.8	40.5
N454	400 Tract UPPER Zone	False	1,000.0	0.0	1,000.0	671.0	24.5
N440	400 Tract UPPER Zone	False	1,000.0	4.4	1,004.4	637.6	29.0
N478	400 Tract UPPER Zone	False	1,000.0	7.9	1,007.9	801.6	24.8
N508	400 Tract UPPER Zone	False	1,000.0	9.7	1,009.7	455.5	64.2
N483	400 Tract MID Zone	False	1,000.0	17.6	1,017.6	177.9	13.0
N473	400 Tract MID Zone	False	1,000.0	17.6	1,017.6	224.4	-10.1
N513	400 Tract UPPER Zone	False	1,000.0	7.9	1,007.9	195.2	18.3
N504	400 Tract UPPER Zone	False	1,000.0	11.4	1,011.4	208.5	14.0
N488	400 Tract UPPER Zone	False	1,000.0	3.5	1,003.5	207.4	11.1

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD+Fire Condition Distribution System Junction
Report**

Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N514	400 Tract UPPER Zone	False	1,000.0	16.7	1,016.7	256.8	28.4
N523	400 Tract UPPER Zone	False	1,000.0	7.9	1,007.9	311.3	24.9
N524	400 Tract UPPER Zone	False	1,000.0	9.7	1,009.7	824.1	11.5
N515	400 Tract UPPER Zone	False	1,000.0	7.0	1,007.0	572.8	50.6
N496	400 Tract UPPER Zone	False	1,000.0	16.5	1,016.5	680.8	33.9
N512	400 Tract UPPER Zone	False	1,000.0	1.8	1,001.8	757.6	35.4
N450	400 Tract UPPER Zone	False	1,000.0	8.1	1,008.1	483.8	22.1
N463	400 Tract UPPER Zone	False	1,000.0	10.5	1,010.5	488.8	38.5
N484	400 Tract UPPER Zone	False	1,000.0	17.6	1,017.6	707.8	35.1
N493	400 Tract UPPER Zone	False	1,000.0	13.2	1,013.2	812.6	20.6
N494	400 Tract UPPER Zone	False	1,000.0	8.8	1,008.8	622.4	48.1
N492	400 Tract UPPER Zone	False	1,000.0	1.8	1,001.8	747.0	50.3
N502	400 Tract UPPER Zone	False	1,000.0	9.7	1,009.7	897.6	45.4
N435	400 Tract LOWER Zone	False	1,500.0	1.8	1,501.8	1,064.5	4.8
N443	400 Tract LOWER Zone	False	1,000.0	7.0	1,007.0	566.6	2.3
N452	400 Tract LOWER Zone	False	1,000.0	8.1	1,008.1	570.5	0.7
N439	400 Tract LOWER Zone	False	1,000.0	6.1	1,006.1	642.0	-4.8
N475	400 Tract MID Zone	False	1,000.0	14.9	1,014.9	134.0	14.7
N377	400 Tract LOWER Zone	False	1,000.0	13.3	1,013.3	755.2	-10.7
N400	400 Tract LOWER Zone	False	1,000.0	17.6	1,017.6	510.5	7.4
N422	400 Tract LOWER Zone	False	1,000.0	15.8	1,015.8	692.0	-4.9

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD+Fire Condition Distribution System Junction
Report**

Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N432	400 Tract MID Zone	False	1,000.0	15.8	1,015.8	197.8	-1.0
N449	400 Tract MID Zone	False	1,000.0	6.1	1,006.1	214.9	-17.5
N437	400 Tract MID Zone	False	1,000.0	5.3	1,005.3	214.1	-17.6
N373	400 Tract LOWER Zone	False	1,000.0	11.4	1,011.4	679.4	-4.4
N385	400 Tract LOWER Zone	False	1,000.0	15.8	1,015.8	794.8	-20.3
N394	400 Tract LOWER Zone	False	1,000.0	7.0	1,007.0	721.1	-11.5
N409	400 Tract LOWER Zone	False	1,000.0	7.9	1,007.9	310.7	7.4
N410	400 Tract LOWER Zone	False	1,000.0	7.0	1,007.0	362.2	7.4
N411	400 Tract LOWER Zone	False	1,000.0	7.9	1,007.9	383.2	4.8
N414	400 Tract LOWER Zone	False	1,000.0	8.8	1,008.8	423.3	-3.8
N426	400 Tract LOWER Zone	False	1,000.0	4.4	1,004.4	397.5	2.1
N393	400 Tract LOWER Zone	False	1,000.0	13.3	1,013.3	494.4	7.4
N382	400 Tract LOWER Zone	False	1,000.0	12.3	1,012.3	203.6	7.4
N396	400 Tract LOWER Zone	False	1,000.0	11.4	1,011.4	901.3	7.4
N384	400 Tract LOWER Zone	False	1,000.0	13.2	1,013.2	738.8	7.4
N363	400 Tract LOWER Zone	False	1,000.0	8.8	1,008.8	670.4	7.4
N349	400 Tract LOWER Zone	False	1,000.0	4.4	1,004.4	769.8	4.9
N299	400 Tract LOWER Zone	False	1,000.0	15.8	1,015.8	284.7	7.4
N283	400 Tract LOWER Zone	False	1,000.0	5.3	1,005.3	246.4	7.4
N329	400 Tract LOWER Zone	False	1,000.0	13.3	1,013.3	358.8	3.4
N340	400 Tract SE Zone	False	1,000.0	14.0	1,014.0	418.5	21.6

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD+Fire Condition Distribution System Junction
Report**

Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N307	400 Tract SE Zone	False	1,000.0	6.1	1,006.1	429.4	24.1
N247	400 Tract SE Zone	False	1,000.0	5.3	1,005.3	333.4	41.5
N272	400 Tract SE Zone	False	1,000.0	6.1	1,006.1	680.0	-18.0
N300	100 Tract SE Zone	False	1,000.0	7.0	1,007.0	585.7	22.0
N279	100 Tract SE Zone	False	1,000.0	14.0	1,014.0	451.8	31.7
N246	100 Tract SE Zone	False	1,000.0	8.1	1,008.1	534.5	19.0
N275	100 Tract SE Zone	False	1,000.0	17.6	1,017.6	698.4	10.2
N351	100 Tract SE Zone	False	1,000.0	10.5	1,010.5	182.4	46.7
N344	100 Tract SE Zone	False	1,000.0	8.1	1,008.1	329.7	10.3
N361	100 Tract SE Zone	False	1,000.0	11.4	1,011.4	835.3	-6.6
N347	100 Tract SE Zone	False	1,000.0	14.5	1,014.5	982.3	-27.7
N327	100 Tract SE Zone	False	1,000.0	10.5	1,010.5	847.1	-7.4
N324	100 Tract SE Zone	False	1,000.0	4.4	1,004.4	737.1	7.3
N528	100 Tract NE Zone	False	1,000.0	8.8	1,008.8	979.3	16.4
N482	100 Tract NE Zone	False	1,000.0	9.7	1,009.7	370.1	50.9
N472	100 Tract NE Zone	False	1,000.0	6.1	1,006.1	171.2	72.5
N525	100 Tract NE Zone	False	1,000.0	7.9	1,007.9	287.9	25.2
N516	100 Tract NE Zone	False	1,000.0	9.7	1,009.7	434.2	19.6
N429	100 Tract NE Zone	False	1,000.0	11.4	1,011.4	450.2	71.9
N499	100 Tract NE Zone	False	1,000.0	8.8	1,008.8	289.4	15.3
N301	100 Tract NW Zone	False	1,000.0	4.4	1,004.4	934.9	40.8

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD+Fire Condition Distribution System Junction
Report**

Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N223	100 Tract NW Zone	False	1,000.0	6.1	1,006.1	197.8	14.6
N182	100 Tract NW Zone	False	1,000.0	13.2	1,013.2	993.2	43.6
N166	300 Tract NW Zone	False	1,000.0	10.5	1,010.5	818.7	62.7
N169	300 Tract NW Zone	False	1,000.0	9.7	1,009.7	774.2	12.5
N386	100 Tract NW Zone	False	1,000.0	15.8	1,015.8	476.8	24.3
Com407	100 Tract NW Zone	False	1,500.0	7.0	1,507.0	476.3	25.4
N408	100 Tract NW Zone	False	1,000.0	8.8	1,008.8	496.1	17.3
N238	100 Tract NW Zone	False	1,000.0	9.7	1,009.7	795.4	5.2
N218	100 Tract NW Zone	False	1,000.0	0.9	1,000.9	568.1	16.3
N104	300 Tract WEST Zone	False	1,000.0	12.9	1,012.9	957.8	18.2
N543	100 Tract NW Zone	False	1,000.0	0.0	1,000.0	718.5	11.0
N544	100 Tract NW Zone	False	1,000.0	0.0	1,000.0	106.7	48.7
N545	100 Tract SE Zone	False	1,000.0	0.0	1,000.0	117.6	50.1
N546	100 Tract NW Zone	False	1,000.0	0.0	1,000.0	108.1	48.7
N548	400 Tract SE Zone	False	1,000.0	0.0	1,000.0	312.2	67.8
N549	400 Tract LOWER Zone	False	1,000.0	0.0	1,000.0	186.1	7.4
N551	400 Tract LOWER Zone	False	1,000.0	0.0	1,000.0	240.2	7.4
N552	400 Tract LOWER Zone	False	1,000.0	0.0	1,000.0	147.4	7.4
N553	400 Tract LOWER Zone	False	1,000.0	0.0	1,000.0	134.9	7.4
N550	400 Tract LOWER Zone	False	1,000.0	0.0	1,000.0	108.9	7.4
N554	400 Tract SE Zone	False	1,000.0	0.9	1,000.9	394.5	24.0

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) MDD+Fire Condition Distribution System Junction
Report**

Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N555	400 Tract LOWER Zone	False	1,000.0	0.0	1,000.0	582.7	7.4
N556	400 Tract LOWER Zone	False	1,000.0	0.0	1,000.0	222.4	7.4
N557	400 Tract MID Zone	False	1,000.0	0.0	1,000.0	155.5	14.4
N558	400 Tract UPPER Zone	False	1,000.0	0.0	1,000.0	197.7	57.7
N559	400 Tract MID Zone	False	1,000.0	0.0	1,000.0	84.7	25.8
N560	400 Tract UPPER Zone	False	1,000.0	0.0	1,000.0	259.9	75.1
N561	400 Tract UPPER Zone	False	1,000.0	0.0	1,000.0	366.6	68.6
N562	400 Tract UPPER Zone	False	1,000.0	0.0	1,000.0	672.8	32.4
N563	400 Tract LOWER Zone	False	1,000.0	0.0	1,000.0	322.8	7.4
N565	400 Tract UPPER Zone	False	1,000.0	0.0	1,000.0	259.2	75.1
N564	400 Tract MID Zone	False	1,000.0	0.0	1,000.0	118.5	33.7
N566	400 Tract UPPER Zone	False	1,000.0	0.0	1,000.0	154.6	37.1
J-38	400 Tract UPPER Zone	False	1,000.0	0.0	1,000.0	469.9	22.1
N567	100 Tract NW Zone	False	1,000.0	0.9	1,000.9	161.4	48.0
N568	100 Tract SE Zone	False	1,000.0	1.5	1,001.5	257.0	40.7

GBWC 2024 IRP - Spring Creek Division - Housing Section
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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
266	N144	5,410.00	300 Tract NW Zone	0.0	5,727.57	137.4
267	N288	5,495.00	100 Tract NW Zone	0.0	5,725.09	99.5
268	N319	5,670.00	400 Tract LOWER Zone	0.0	5,849.18	77.5
269	N289	5,641.00	100 Tract SE Zone	0.0	5,885.31	105.7
270	N228	5,605.00	100 Tract SE Zone	0.0	5,883.43	120.5
272	N380	5,759.30	400 Tract LOWER Zone	0.0	5,851.68	40.0
273	N339	5,662.00	100 Tract SE Zone	13.8	5,879.63	94.2
274	N444	5,584.00	100 Tract NE Zone	3.1	5,939.69	153.9
275	N531	5,732.00	100 Tract NE Zone	6.1	5,939.43	89.7
276	N505	5,728.00	100 Tract NE Zone	4.6	5,941.05	92.2
277	N507	5,763.00	100 Tract NE Zone	4.6	5,941.13	77.1
278	N495	5,739.00	100 Tract NE Zone	7.7	5,940.89	87.3
279	N480	5,737.00	100 Tract NE Zone	9.2	5,937.68	86.8
280	N477	5,787.00	400 Tract LOWER Zone	10.7	5,879.23	39.9
281	N466	5,758.00	400 Tract LOWER Zone	15.3	5,879.77	52.7
282	N526	5,773.00	100 Tract NE Zone	0.0	5,941.46	72.9
283	N434	5,742.00	100 Tract NE Zone	0.0	5,942.67	86.8
287	N532	5,888.00	400 Tract UPPER Zone	15.3	6,083.01	84.4
295	N243	5,577.00	400 Tract LOWER Zone	0.0	5,847.99	117.2
296	N244	5,574.00	300 Tract NW Zone	0.0	5,751.00	76.6
300	N369 - IRRG	5,459.48	100 Tract NW Zone	97.6	5,774.36	136.2
301	N362	5,712.00	100 Tract SE Zone	0.0	5,800.90	38.5
303	N371	5,733.00	100 Tract SE Zone	16.8	5,796.04	27.3
304	N338	5,534.00	100 Tract NW Zone	18.4	5,795.59	113.2

GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) PHD Condition Distribution System Junction Report
PHD-NODES - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
305	N278	5,617.00	400 Tract SE Zone	9.2	5,872.47	110.5
306	N320	5,636.50	400 Tract SE Zone	9.2	5,872.45	102.1
314	N116	5,393.00	300 Tract WEST Zone	0.0	5,645.46	109.2
315	N235	5,474.50	100 Tract NW Zone	10.7	5,722.68	107.4
316	N227	5,478.30	100 Tract NW Zone	19.9	5,724.22	106.4
318	N203	5,453.00	100 Tract NW Zone	4.6	5,720.79	115.9
321	N529	5,908.20	400 Tract UPPER Zone	4.6	6,080.04	74.3
322	N503	5,874.10	400 Tract UPPER Zone	16.8	6,064.05	82.2
323	N465	5,812.90	400 Tract UPPER Zone	19.9	6,061.99	107.8
324	N469	5,804.70	400 Tract UPPER Zone	12.2	6,062.05	111.3
325	N474	5,810.50	400 Tract UPPER Zone	12.2	6,062.09	108.8
326	N481	5,832.90	400 Tract UPPER Zone	16.8	6,062.32	99.3
327	N509	5,851.80	400 Tract UPPER Zone	7.7	6,062.08	91.0
328	N517	5,873.00	400 Tract UPPER Zone	18.4	6,066.34	83.7
329	N442	5,793.20	400 Tract UPPER Zone	9.2	6,043.42	108.3
330	N458	5,813.40	400 Tract UPPER Zone	15.3	6,044.05	99.8
331	N468	5,815.50	400 Tract UPPER Zone	9.2	6,044.65	99.1
332	N489	5,825.80	400 Tract UPPER Zone	7.7	6,046.34	95.4
333	N486	5,824.10	400 Tract UPPER Zone	10.7	6,045.83	95.9
334	N500	5,802.50	400 Tract UPPER Zone	30.6	6,042.96	104.0
335	N506	5,798.10	400 Tract UPPER Zone	12.2	5,941.03	61.8
336	N519	5,793.40	400 Tract UPPER Zone	23.0	5,864.92	30.9
337	N498	5,778.30	400 Tract UPPER Zone	29.1	5,861.87	36.2
338	N467	5,728.30	400 Tract MID Zone	9.2	5,846.76	51.3

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
339	N441	5,799.70	400 Tract LOWER Zone	0.0	5,922.13	53.0
340	N456	5,572.10	100 Tract NE Zone	23.0	5,939.74	159.1
341	N487	5,769.40	100 Tract NE Zone	9.2	5,941.07	74.3
342	N530	5,761.80	100 Tract NE Zone	18.4	5,941.46	77.7
343	N511	5,668.00	100 Tract NE Zone	6.1	5,941.48	118.3
344	N497	5,735.30	100 Tract NE Zone	19.9	5,938.98	88.1
345	N476	5,736.20	100 Tract NE Zone	18.4	5,941.96	89.0
346	N436	5,715.00	100 Tract NE Zone	3.1	5,942.67	98.5
348	N462	5,805.00	400 Tract MID Zone	10.7	5,837.74	14.2
349	N464	5,756.90	400 Tract MID Zone	9.2	5,837.94	35.1
350	N446	5,793.70	400 Tract MID Zone	9.2	5,838.34	19.3
351	N453	5,734.30	400 Tract MID Zone	18.4	5,840.13	45.8
352	N433	5,706.90	400 Tract MID Zone	10.7	5,843.31	59.0
353	N425	5,683.00	400 Tract LOWER Zone	27.5	5,866.17	79.3
354	N378	5,718.50	400 Tract LOWER Zone	23.0	5,868.04	64.7
355	N365	5,714.40	400 Tract LOWER Zone	18.6	5,867.60	66.3
356	N418	5,728.40	400 Tract LOWER Zone	26.0	5,877.88	64.7
357	N358	5,665.10	400 Tract LOWER Zone	13.8	5,872.68	89.8
358	N401	5,724.60	400 Tract LOWER Zone	14.1	5,872.99	64.2
359	N420	5,735.70	400 Tract LOWER Zone	7.7	5,878.86	61.9
360	N387	5,708.80	400 Tract LOWER Zone	22.6	5,913.14	88.4
361	N416	5,779.10	400 Tract LOWER Zone	3.1	5,916.97	59.6
362	N415	5,779.10	400 Tract LOWER Zone	1.5	5,914.35	58.5
363	N120	5,398.80	300 Tract WEST Zone	97.6	5,641.29	104.9

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
364	N413	5,773.00	400 Tract LOWER Zone	21.0	5,914.18	61.1
365	N391	5,741.50	400 Tract LOWER Zone	19.9	5,898.36	67.9
366	N372	5,738.30	400 Tract LOWER Zone	13.8	5,884.03	63.1
367	N354	5,740.30	400 Tract LOWER Zone	10.7	5,878.69	59.9
368	N350	5,719.50	400 Tract LOWER Zone	27.5	5,876.27	67.8
369	N428	5,782.10	400 Tract LOWER Zone	12.2	5,915.70	57.8
370	N419	5,796.10	400 Tract LOWER Zone	10.7	5,916.36	52.0
371	N405	5,778.70	400 Tract LOWER Zone	23.0	5,915.49	59.2
372	N392	5,758.40	400 Tract LOWER Zone	16.8	5,914.04	67.3
373	N388	5,764.20	400 Tract LOWER Zone	18.4	5,914.47	65.0
374	N364	5,733.00	400 Tract LOWER Zone	10.7	5,913.27	78.0
375	N376	5,710.40	400 Tract LOWER Zone	24.7	5,851.24	60.9
376	N342	5,645.40	400 Tract LOWER Zone	16.1	5,849.81	88.4
377	N333	5,677.10	400 Tract LOWER Zone	24.1	5,849.44	74.6
378	N297	5,634.50	400 Tract LOWER Zone	19.9	5,848.87	92.7
379	N281	5,593.00	400 Tract LOWER Zone	21.4	5,845.21	109.1
380	N255	5,590.70	400 Tract LOWER Zone	26.0	5,848.32	111.5
381	N282	5,594.00	400 Tract LOWER Zone	18.4	5,845.21	108.7
382	N316	5,617.60	400 Tract LOWER Zone	24.5	5,850.03	100.6
383	N346	5,652.70	400 Tract LOWER Zone	19.9	5,872.91	95.3
384	N290	5,625.20	400 Tract SE Zone	15.3	5,872.54	107.0
385	N287	5,634.80	400 Tract SE Zone	10.7	5,875.26	104.0
386	N291	5,624.90	400 Tract SE Zone	7.7	5,876.80	109.0
387	N273	5,571.20	400 Tract SE Zone	9.2	5,878.73	133.1

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
388	N314	5,628.10	100 Tract SE Zone	6.1	5,880.65	109.3
389	N353	5,730.70	100 Tract SE Zone	10.7	5,881.39	65.2
390	N389	5,558.60	100 Tract SE Zone	19.9	5,877.32	137.9
391	N322	5,703.80	100 Tract SE Zone	13.8	5,890.00	80.6
392	N269	5,685.10	100 Tract SE Zone	24.5	5,881.71	85.1
393	N231	5,653.00	100 Tract SE Zone	14.1	5,883.43	99.7
394	N311	5,702.60	100 Tract SE Zone	3.1	5,892.61	82.2
395	N399	5,478.20	100 Tract NW Zone	13.8	5,737.04	112.0
396	N404	5,480.00	100 Tract NW Zone	4.6	5,773.17	126.8
397	N374	5,466.60	100 Tract NW Zone	10.7	5,768.36	130.6
398	N302(IRR G)	5,604.00	100 Tract NW Zone	96.1	5,725.26	52.5
399	N438	5,798.30	400 Tract LOWER Zone	0.0	5,931.50	57.6
400	N292	5,636.20	100 Tract NW Zone	0.0	5,725.59	38.7
401	N308	5,602.60	100 Tract NW Zone	3.1	5,725.59	53.2
402	N312	5,602.60	100 Tract NW Zone	6.1	5,725.64	53.2
403	N318	5,540.00	100 Tract NW Zone	13.8	5,728.79	81.7
404	N330	5,525.10	100 Tract NW Zone	29.1	5,731.49	89.3
405	N325	5,505.50	100 Tract NW Zone	10.3	5,734.42	99.0
406	N317	5,468.40	100 Tract NW Zone	15.3	5,732.75	114.4
408	N309	5,444.60	100 Tract NW Zone	9.2	5,738.03	127.0
409	N343	5,459.00	100 Tract NW Zone	24.5	5,752.35	126.9
410	N370	5,463.00	100 Tract NW Zone	15.3	5,767.95	131.9
411	N360	5,492.10	100 Tract NW Zone	18.4	5,764.06	117.7
412	N357	5,499.30	100 Tract NW Zone	15.3	5,762.16	113.7

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Existing (2022) PHD Condition Distribution System Junction Report
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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
413	N355	5,495.00	100 Tract NW Zone	4.6	5,756.87	113.3
415	N240	5,429.80	100 Tract NW Zone	29.1	5,725.96	128.1
416	N277	5,467.20	100 Tract NW Zone	24.5	5,727.03	112.4
417	N260	5,491.50	100 Tract NW Zone	18.4	5,724.81	100.9
418	N256	5,479.40	100 Tract NW Zone	6.1	5,724.81	106.2
419	N225	5,451.80	100 Tract NW Zone	16.8	5,719.78	115.9
420	N229	5,453.30	100 Tract NW Zone	18.4	5,720.08	115.4
421	N249	5,474.20	100 Tract NW Zone	14.1	5,724.99	108.5
422	N459	5,811.00	400 Tract LOWER Zone	0.0	5,928.27	50.7
423	N257	5,463.10	100 Tract NW Zone	15.3	5,726.76	114.1
424	N253	5,451.40	100 Tract NW Zone	6.1	5,727.44	119.4
425	N239	5,444.80	100 Tract NW Zone	9.2	5,726.29	121.8
426	N236	5,435.60	100 Tract NW Zone	23.0	5,725.85	125.6
427	N262	5,447.40	100 Tract NW Zone	9.2	5,727.63	121.2
428	N460	5,811.00	400 Tract LOWER Zone	3.1	5,931.50	52.1
429	N304	5,444.60	100 Tract NW Zone	15.3	5,735.59	125.9
430	N326	5,442.20	100 Tract NW Zone	4.6	5,738.53	128.2
431	N337	5,481.70	100 Tract NW Zone	7.7	5,739.92	111.7
432	N331	5,490.90	100 Tract NW Zone	26.0	5,737.06	106.5
433	N285	5,453.50	100 Tract NW Zone	19.9	5,730.06	119.7
434	N267	5,435.90	100 Tract NW Zone	23.0	5,729.17	126.9
435	N252	5,470.10	100 Tract NW Zone	16.8	5,726.01	110.7
436	N208	5,454.50	100 Tract NW Zone	10.7	5,720.79	115.2
437	N221	5,453.60	100 Tract NW Zone	21.4	5,720.84	115.6

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
438	N224	5,451.90	100 Tract NW Zone	12.2	5,721.89	116.8
439	N179	5,441.80	100 Tract NW Zone	30.6	5,723.29	121.8
440	N199	5,460.40	100 Tract NW Zone	21.4	5,724.75	114.4
441	N194	5,471.60	100 Tract NW Zone	18.4	5,724.26	109.3
442	N219	5,446.10	100 Tract NW Zone	26.0	5,724.20	120.3
443	N215	5,459.80	100 Tract NW Zone	29.1	5,720.21	112.7
444	N210	5,469.96	100 Tract NW Zone	19.9	5,719.24	107.9
445	N485	5,755.10	400 Tract MID Zone	13.8	5,854.97	43.2
446	N212(IRR G)	5,453.50	100 Tract NW Zone	120.6	5,718.61	114.7
447	N213	5,461.40	100 Tract NW Zone	21.4	5,719.05	111.5
448	N217	5,458.90	100 Tract NW Zone	26.0	5,719.22	112.6
449	N258	5,483.50	100 Tract NW Zone	4.6	5,724.78	104.4
450	N250	5,480.90	100 Tract NW Zone	24.5	5,724.52	105.4
451	N216	5,468.60	100 Tract NW Zone	19.9	5,724.33	110.6
452	N204	5,460.70	100 Tract NW Zone	27.5	5,724.36	114.1
453	N234	5,443.20	100 Tract NW Zone	29.1	5,724.99	121.9
454	N193	5,470.28	100 Tract NW Zone	9.2	5,725.23	110.3
455	N183	5,442.30	100 Tract NW Zone	11.8	5,725.23	122.4
456	N158	5,411.80	100 Tract NW Zone	7.7	5,725.35	135.7
457	N145	5,404.10	300 Tract NW Zone	0.0	5,729.35	140.7
458	N139	5,403.30	300 Tract NW Zone	0.0	5,728.79	140.8
459	N134	5,396.60	300 Tract NW Zone	3.1	5,728.26	143.5
460	N140	5,397.10	300 Tract NW Zone	9.2	5,727.71	143.0
461	N207	5,431.70	100 Tract NW Zone	6.1	5,720.78	125.1

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
462	N172	5,457.51	100 Tract NW Zone	19.9	5,726.13	116.2
463	N173	5,455.61	100 Tract NW Zone	19.9	5,725.43	116.7
464	N175	5,458.80	100 Tract NW Zone	4.6	5,725.78	115.5
465	N181	5,476.70	100 Tract NW Zone	18.4	5,723.83	106.9
466	N192	5,472.00	100 Tract NW Zone	7.7	5,724.09	109.1
467	N205	5,565.50	100 Tract NW Zone	12.2	5,720.03	66.9
468	N206	5,552.80	100 Tract NW Zone	23.0	5,721.69	73.1
469	N190	5,498.50	100 Tract NW Zone	6.1	5,723.37	97.3
470	N165	5,453.90	100 Tract NW Zone	13.8	5,727.11	118.2
471	N178	5,499.90	300 Tract NW Zone	27.5	5,731.10	100.0
472	N168	5,503.00	300 Tract NW Zone	13.8	5,740.14	102.6
473	N162	5,491.60	300 Tract NW Zone	21.4	5,738.91	107.0
474	N155	5,449.00	300 Tract NW Zone	10.7	5,734.50	123.5
475	N151	5,451.00	300 Tract NW Zone	15.3	5,732.84	121.9
476	N447	5,770.60	400 Tract MID Zone	24.1	5,838.64	29.4
477	N138	5,407.20	300 Tract NW Zone	1.5	5,729.94	139.6
478	N124	5,408.20	300 Tract WEST Zone	0.0	5,641.14	100.8
479	N131	5,423.80	300 Tract WEST Zone	4.6	5,641.14	94.0
480	N132	5,408.50	300 Tract WEST Zone	10.7	5,641.20	100.7
481	N129	5,405.70	300 Tract WEST Zone	18.4	5,641.20	101.9
482	N126	5,398.30	300 Tract WEST Zone	6.1	5,641.21	105.1
483	N119	5,394.80	300 Tract WEST Zone	0.0	5,641.41	106.7
484	N114	5,453.60	300 Tract WEST Zone	4.6	5,639.40	80.4
485	N112	5,444.50	300 Tract WEST Zone	18.4	5,639.37	84.3

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
486	N110	5,480.00	300 Tract WEST Zone	26.0	5,633.34	66.3
487	N115	5,479.10	300 Tract WEST Zone	21.4	5,633.86	67.0
488	N100	5,331.20	300 Tract WEST Zone	3.1	5,634.52	131.2
489	N102	5,361.40	300 Tract WEST Zone	16.8	5,634.53	118.2
490	N106	5,422.90	300 Tract WEST Zone	19.9	5,635.22	91.9
491	N334	5,593.50	400 Tract SE Zone	9.2	5,877.83	123.0
492	N274	5,586.50	400 Tract SE Zone	3.1	5,879.94	127.0
493	N271	5,598.80	100 Tract SE Zone	4.6	5,879.99	121.7
494	N214	5,570.70	100 Tract NW Zone	9.2	5,719.81	64.5
496	N187	5,523.50	300 Tract NW Zone	13.8	5,745.09	95.9
497	N359	5,462.70	100 Tract NW Zone	21.4	5,706.56	105.5
498	N336	5,485.50	100 Tract NW Zone	9.2	5,734.19	107.6
499	N107	5,421.00	300 Tract WEST Zone	16.8	5,637.19	93.5
500	N108	5,445.17	300 Tract WEST Zone	21.4	5,637.65	83.3
501	N103	5,360.43	300 Tract WEST Zone	19.5	5,634.55	118.6
502	N101	5,361.92	300 Tract WEST Zone	14.1	5,633.73	117.6
503	N109	5,451.40	300 Tract WEST Zone	32.1	5,633.33	78.7
504	N111	5,484.73	300 Tract WEST Zone	14.1	5,633.73	64.5
505	N113	5,443.93	300 Tract WEST Zone	16.8	5,639.41	84.6
506	N118	5,397.74	300 Tract WEST Zone	1.5	5,642.19	105.8
507	N122	5,393.47	300 Tract WEST Zone	1.5	5,641.30	107.2
508	N121	5,393.47	300 Tract WEST Zone	4.6	5,641.30	107.2
509	N123	5,395.75	300 Tract WEST Zone	18.4	5,641.25	106.2
510	N125	5,397.50	300 Tract WEST Zone	4.6	5,641.21	105.4

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
511	N127	5,399.13	300 Tract WEST Zone	9.2	5,641.21	104.7
512	N128	5,402.12	300 Tract WEST Zone	9.2	5,641.20	103.4
513	N130	5,408.59	300 Tract WEST Zone	6.1	5,641.20	100.6
514	N135	5,407.46	300 Tract WEST Zone	1.5	5,641.21	101.1
515	N146	5,409.52	300 Tract NW Zone	1.5	5,729.94	138.6
516	N454	5,809.90	400 Tract UPPER Zone	0.0	6,061.98	109.1
517	N430	5,771.70	400 Tract LOWER Zone	0.0	5,919.28	63.9
518	N440	5,799.80	400 Tract UPPER Zone	7.7	6,061.98	113.4
519	N478	5,821.50	400 Tract UPPER Zone	13.8	6,062.15	104.1
520	N508	5,882.00	400 Tract UPPER Zone	16.8	6,063.84	78.7
521	N483	5,765.00	400 Tract MID Zone	30.6	5,847.32	35.6
522	N473	5,738.70	400 Tract MID Zone	30.6	5,848.64	47.6
523	N513	5,785.40	400 Tract UPPER Zone	13.8	5,862.40	33.3
524	N504	5,769.70	400 Tract UPPER Zone	19.9	5,858.90	38.6
525	N488	5,756.90	400 Tract UPPER Zone	6.1	5,855.57	42.7
526	N514	5,817.00	400 Tract UPPER Zone	29.1	5,941.75	54.0
527	N523	5,838.40	400 Tract UPPER Zone	13.8	5,960.39	52.8
528	N524	5,848.00	400 Tract UPPER Zone	16.8	6,042.65	84.2
529	N515	5,835.10	400 Tract UPPER Zone	12.2	6,042.66	89.8
530	N496	5,835.80	400 Tract UPPER Zone	28.7	6,055.57	95.1
531	N512	5,860.00	400 Tract UPPER Zone	3.1	6,063.75	88.2
532	N527	5,896.60	400 Tract UPPER Zone	15.3	6,080.13	79.4
533	N450	5,799.00	400 Tract UPPER Zone	14.1	6,061.60	113.6
534	N463	5,819.00	400 Tract UPPER Zone	18.4	6,061.60	105.0

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
535	N484	5,864.10	400 Tract UPPER Zone	30.6	6,062.31	85.8
536	N493	5,865.50	400 Tract UPPER Zone	23.0	6,062.70	85.3
537	N494	5,860.00	400 Tract UPPER Zone	15.3	6,062.82	87.8
538	N492	5,820.70	400 Tract UPPER Zone	3.1	6,062.62	104.7
539	N502	5,842.50	400 Tract UPPER Zone	16.8	6,062.95	95.4
540	N520	5,896.10	400 Tract UPPER Zone	15.6	6,070.73	75.6
541	N435	5,760.00	400 Tract LOWER Zone	3.1	5,911.12	65.4
542	N443	5,761.00	400 Tract LOWER Zone	12.2	5,881.82	52.3
543	N452	5,758.60	400 Tract LOWER Zone	14.1	5,880.45	52.7
544	N439	5,733.10	400 Tract LOWER Zone	10.7	5,877.83	62.6
545	N475	5,780.90	400 Tract MID Zone	26.0	5,836.87	24.2
546	N377	5,682.60	400 Tract LOWER Zone	23.2	5,871.16	81.6
547	N400	5,711.90	400 Tract LOWER Zone	30.6	5,871.60	69.1
548	N422	5,719.60	400 Tract LOWER Zone	27.5	5,875.41	67.4
549	N432	5,725.80	400 Tract MID Zone	27.5	5,842.61	50.5
550	N449	5,720.30	400 Tract MID Zone	10.7	5,843.58	53.3
551	N437	5,716.00	400 Tract MID Zone	9.2	5,843.42	55.1
552	N373	5,679.50	400 Tract LOWER Zone	19.9	5,870.34	82.6
553	N385	5,664.50	400 Tract LOWER Zone	27.5	5,870.88	89.3
554	N394	5,692.40	400 Tract LOWER Zone	12.2	5,871.79	77.6
555	N409	5,765.30	400 Tract LOWER Zone	13.8	5,866.71	43.9
556	N410	5,734.90	400 Tract LOWER Zone	12.2	5,866.47	56.9
557	N411	5,720.60	400 Tract LOWER Zone	13.8	5,866.33	63.0
558	N414	5,692.10	400 Tract LOWER Zone	15.3	5,866.23	75.3

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
559	N426	5,703.90	400 Tract LOWER Zone	7.7	5,866.21	70.2
560	N393	5,686.00	400 Tract LOWER Zone	23.2	5,867.65	78.6
561	N382	5,739.00	400 Tract LOWER Zone	21.4	5,912.25	75.0
562	N395	5,777.90	400 Tract LOWER Zone	12.2	5,915.08	59.3
563	N417	5,798.50	400 Tract LOWER Zone	3.1	5,916.11	50.9
564	N381	5,759.30	400 Tract LOWER Zone	12.2	5,914.00	66.9
565	N412	5,776.30	400 Tract LOWER Zone	6.1	5,913.34	59.3
566	N396	5,772.00	400 Tract LOWER Zone	19.9	5,903.04	56.7
567	N384	5,749.50	400 Tract LOWER Zone	23.0	5,889.96	60.8
568	N363	5,734.00	400 Tract LOWER Zone	15.3	5,880.00	63.2
569	N349	5,673.40	400 Tract LOWER Zone	7.7	5,873.77	86.7
570	N299	5,617.26	400 Tract LOWER Zone	27.5	5,847.58	99.6
571	N283	5,597.10	400 Tract LOWER Zone	9.2	5,845.43	107.4
572	N329	5,628.94	400 Tract LOWER Zone	23.2	5,854.43	97.6
573	N340	5,656.80	400 Tract SE Zone	24.5	5,876.58	95.1
574	N307	5,666.00	400 Tract SE Zone	10.7	5,876.71	91.2
575	N247	5,588.64	400 Tract SE Zone	9.2	5,875.14	124.0
576	N272	5,578.80	400 Tract SE Zone	10.7	5,879.41	130.1
577	N300	5,702.60	100 Tract SE Zone	12.2	5,890.36	81.2
578	N279	5,699.27	100 Tract SE Zone	24.5	5,883.84	79.9
579	N246	5,629.58	100 Tract SE Zone	14.1	5,880.63	108.6
580	N275	5,603.74	100 Tract SE Zone	30.6	5,880.52	119.7
581	N351	5,707.90	100 Tract SE Zone	18.4	5,880.17	74.5
582	N344	5,708.20	100 Tract SE Zone	14.1	5,881.97	75.2

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
583	N361	5,651.90	100 Tract SE Zone	19.9	5,881.82	99.5
584	N347	5,594.10	100 Tract SE Zone	25.2	5,882.96	125.0
585	N327	5,664.40	100 Tract SE Zone	18.4	5,885.54	95.7
586	N324	5,703.00	100 Tract SE Zone	7.7	5,886.20	79.3
587	N305	5,615.00	100 Tract NW Zone	9.2	5,725.83	48.0
588	N528	5,764.60	100 Tract NE Zone	15.3	5,941.46	76.5
589	N521	5,746.10	100 Tract NE Zone	10.7	5,941.50	84.5
590	N518	5,739.50	100 Tract NE Zone	10.7	5,941.54	87.4
591	N482	5,749.00	100 Tract NE Zone	16.8	5,940.77	83.0
592	N472	5,737.40	100 Tract NE Zone	10.7	5,940.16	87.7
593	N525	5,744.00	100 Tract NE Zone	13.8	5,939.66	84.7
594	N516	5,743.30	100 Tract NE Zone	16.8	5,940.24	85.2
595	N510	5,753.40	100 Tract NE Zone	7.7	5,941.67	81.5
596	N501	5,724.90	100 Tract NE Zone	4.6	5,941.72	93.8
597	N491	5,754.40	100 Tract NE Zone	6.1	5,941.77	81.1
598	N445	5,739.90	100 Tract NE Zone	19.9	5,942.44	87.6
599	N429	5,732.10	100 Tract NE Zone	19.9	5,942.17	90.9
600	N499	5,726.20	100 Tract NE Zone	15.3	5,938.28	91.8
601	N479	5,757.10	100 Tract NE Zone	9.2	5,941.89	79.9
602	N470	5,736.80	100 Tract NE Zone	4.6	5,942.07	88.8
603	N461	5,755.10	100 Tract NE Zone	4.6	5,942.27	81.0
604	N451	5,725.20	100 Tract NE Zone	6.1	5,942.46	94.0
605	N280	5,475.26	100 Tract NW Zone	16.8	5,725.93	108.5
606	N301	5,574.00	100 Tract NW Zone	7.7	5,725.24	65.4

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
607	N222	5,468.25	100 Tract NW Zone	6.1	5,724.32	110.8
608	N220	5,462.94	100 Tract NW Zone	29.1	5,724.32	113.1
609	N254	5,476.65	100 Tract NW Zone	6.1	5,724.84	107.4
610	N242	5,478.49	100 Tract NW Zone	21.4	5,724.45	106.4
611	N270	5,468.35	100 Tract NW Zone	21.4	5,725.81	111.4
612	N259	5,463.50	100 Tract NW Zone	16.8	5,726.42	113.8
613	N276	5,458.60	100 Tract NW Zone	12.2	5,726.42	115.9
614	N315	5,460.17	100 Tract NW Zone	19.5	5,732.91	118.0
615	N402	5,475.00	100 Tract NW Zone	29.1	5,772.50	128.7
616	N379	5,472.60	100 Tract NW Zone	21.4	5,769.14	128.3
617	N366	5,479.50	100 Tract NW Zone	13.8	5,766.82	124.3
618	N352	5,472.50	100 Tract NW Zone	6.1	5,759.06	124.0
619	N332	5,447.88	100 Tract NW Zone	33.7	5,744.25	128.2
620	N313	5,440.02	100 Tract NW Zone	10.7	5,737.06	128.5
621	N306	5,447.79	100 Tract NW Zone	9.2	5,736.32	124.8
622	N298	5,457.52	100 Tract NW Zone	23.0	5,732.91	119.1
623	N268	5,451.41	100 Tract NW Zone	6.1	5,727.64	119.5
624	N265	5,447.51	100 Tract NW Zone	1.5	5,727.58	121.2
625	N261	5,458.15	100 Tract NW Zone	23.0	5,727.49	116.5
626	N248	5,462.54	100 Tract NW Zone	3.1	5,727.20	114.5
627	N232	5,452.42	100 Tract NW Zone	7.7	5,726.19	118.4
628	N233	5,450.70	100 Tract NW Zone	7.7	5,726.23	119.2
629	N241	5,445.42	100 Tract NW Zone	5.7	5,727.01	121.8
630	N266	5,454.11	100 Tract NW Zone	15.3	5,727.73	118.4

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
631	N201	5,467.99	100 Tract NW Zone	16.8	5,725.23	111.3
632	N196	5,452.70	100 Tract NW Zone	13.8	5,725.30	117.9
633	N197	5,459.48	100 Tract NW Zone	16.8	5,725.36	115.0
634	N195	5,462.91	100 Tract NW Zone	12.2	5,724.46	113.2
635	N191	5,484.66	100 Tract NW Zone	10.7	5,723.73	103.4
636	N223	5,576.50	100 Tract NW Zone	10.7	5,719.47	61.9
637	N198	5,508.50	100 Tract NW Zone	18.0	5,723.30	92.9
638	N182	5,470.64	100 Tract NW Zone	23.0	5,723.92	109.6
639	N177	5,476.83	100 Tract NW Zone	24.5	5,723.80	106.9
640	N174	5,473.42	100 Tract NW Zone	15.6	5,724.99	108.8
641	N166	5,475.82	300 Tract NW Zone	18.4	5,732.08	110.9
642	N169	5,482.80	300 Tract NW Zone	16.8	5,732.03	107.8
643	N170	5,491.47	300 Tract NW Zone	19.5	5,740.36	107.7
644	N167	5,501.81	300 Tract NW Zone	4.6	5,740.14	103.1
645	N180	5,507.20	300 Tract NW Zone	13.8	5,742.25	101.7
646	N156	5,465.12	300 Tract NW Zone	16.8	5,737.97	118.0
647	N154	5,456.58	300 Tract NW Zone	4.6	5,736.08	120.9
648	N150	5,451.57	300 Tract NW Zone	7.7	5,734.17	122.3
649	N152	5,441.65	300 Tract NW Zone	3.1	5,732.43	125.8
650	N153	5,436.78	300 Tract NW Zone	16.8	5,731.64	127.6
651	N294	5,441.67	100 Tract NW Zone	10.7	5,733.53	126.3
652	N251	5,445.34	100 Tract NW Zone	9.2	5,726.91	121.8
653	Com284	5,451.94	100 Tract NW Zone	6.1	5,729.42	120.1
654	N237	5,437.00	100 Tract NW Zone	26.0	5,725.94	125.0

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
655	Com230	5,430.43	100 Tract NW Zone	19.9	5,725.15	127.5
656	N209	5,465.89	100 Tract NW Zone	21.4	5,724.12	111.7
657	N202	5,478.02	100 Tract NW Zone	15.3	5,724.15	106.5
658	N186	5,459.00	100 Tract NW Zone	24.5	5,723.38	114.4
659	N184	5,457.01	100 Tract NW Zone	10.7	5,725.23	116.0
660	N185	5,451.02	100 Tract NW Zone	10.7	5,724.84	118.5
661	N176	5,457.36	100 Tract NW Zone	18.4	5,725.52	116.0
662	N164	5,450.85	300 Tract NW Zone	12.2	5,727.36	119.6
663	N148	5,441.71	300 Tract NW Zone	6.1	5,730.80	125.1
664	N403	5,493.40	100 Tract NW Zone	9.2	5,736.38	105.1
665	N386	5,489.80	100 Tract NW Zone	27.5	5,732.21	104.9
666	Com407	5,501.00	100 Tract NW Zone	12.2	5,732.39	100.1
667	N408	5,494.70	100 Tract NW Zone	15.3	5,732.50	102.9
668	N390	5,471.70	100 Tract NW Zone	21.4	5,740.34	116.2
669	N383	5,496.50	100 Tract NW Zone	18.4	5,745.04	107.5
670	N356	5,491.20	100 Tract NW Zone	27.5	5,755.52	114.4
671	N328	5,453.75	100 Tract NW Zone	0.0	5,738.60	123.2
672	N345	5,480.70	100 Tract NW Zone	27.5	5,746.32	114.9
673	N335	5,491.00	100 Tract NW Zone	1.5	5,738.67	107.2
674	N323	5,494.53	100 Tract NW Zone	19.9	5,734.20	103.7
675	N238	5,440.10	100 Tract NW Zone	16.8	5,722.69	122.3
676	N218	5,446.07	100 Tract NW Zone	1.5	5,720.81	118.9
677	N211	5,440.32	100 Tract NW Zone	27.5	5,722.54	122.1
678	N171	5,443.02	100 Tract NW Zone	7.7	5,724.96	122.0

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
679	N161	5,436.18	100 Tract NW Zone	9.2	5,725.20	125.0
680	N157	5,426.57	100 Tract NW Zone	23.0	5,725.90	129.5
681	N159	5,428.85	100 Tract NW Zone	19.9	5,726.56	128.8
682	N160	5,433.29	100 Tract NW Zone	13.8	5,727.10	127.1
683	N133	5,393.91	300 Tract NW Zone	27.1	5,727.62	144.4
684	Com136	5,396.17	300 Tract NW Zone	13.8	5,727.63	143.4
685	N141	5,397.55	300 Tract NW Zone	16.8	5,727.92	142.9
686	N137	5,397.03	300 Tract NW Zone	6.1	5,728.15	143.3
687	N104	5,414.62	300 Tract WEST Zone	22.6	5,637.03	96.2
688	N105	5,414.00	300 Tract WEST Zone	24.5	5,637.05	96.5
1713	J-1	5,458.10	100 Tract NW Zone	1.5	5,725.65	115.8
1716	Church-LDS	5,458.00	100 Tract NW Zone	0.0	5,725.65	115.8
1718	J-3	5,449.16	300 Tract NW Zone	0.0	5,728.00	120.6
1721	Bawcom RE	5,449.00	300 Tract NW Zone	0.0	5,728.00	120.7
1723	J-5	5,429.02	300 Tract NW Zone	0.0	5,730.44	130.4
1726	Spring Creek Elementary	5,429.00	300 Tract NW Zone	16.5	5,730.43	130.4
1728	J-7	5,438.85	100 Tract NW Zone	0.0	5,726.13	124.3
1731	J-8	5,439.00	100 Tract NW Zone	8.8	5,726.13	124.2
1755	J-10	5,788.87	400 Tract LOWER Zone	0.0	5,914.97	54.6
1765	N543	5,436.00	100 Tract NW Zone	0.0	5,722.68	124.0
1773	N544	5,591.44	100 Tract NW Zone	0.0	5,721.69	56.4
1776	N545	5,604.14	100 Tract SE Zone	0.0	5,883.43	120.8
1779	N546	5,589.55	100 Tract NW Zone	0.0	5,719.47	56.2

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
1782	J-17	5,528.15	300 Tract NW Zone	0.0	5,745.63	94.1
1785	N548	5,574.00	400 Tract SE Zone	0.0	5,879.41	132.1
1789	N549	5,593.80	400 Tract LOWER Zone	0.0	5,848.32	110.1
1792	N551	5,632.42	400 Tract LOWER Zone	0.0	5,847.58	93.1
1795	N552	5,668.14	400 Tract LOWER Zone	0.0	5,854.43	80.6
1798	N553	5,646.69	400 Tract LOWER Zone	0.0	5,913.14	115.3
1801	N550	5,717.38	400 Tract LOWER Zone	0.0	5,849.44	57.1
1807	N554	5,653.33	400 Tract SE Zone	1.5	5,876.58	96.6
1810	N555	5,658.49	400 Tract LOWER Zone	0.0	5,870.34	91.7
1813	N556	5,668.83	400 Tract LOWER Zone	0.0	5,867.60	86.0
1816	N557	5,720.13	400 Tract MID Zone	0.0	5,842.61	53.0
1819	N558	5,807.46	400 Tract UPPER Zone	0.0	6,044.05	102.4
1822	N559	5,793.19	400 Tract MID Zone	0.0	5,836.87	18.9
1825	N560	5,804.27	400 Tract UPPER Zone	0.0	6,045.83	104.5
1828	N561	5,791.09	400 Tract UPPER Zone	0.0	6,062.09	117.2
1831	N562	5,808.06	400 Tract UPPER Zone	0.0	6,062.09	109.9
1834	N563	5,803.47	400 Tract LOWER Zone	0.0	5,880.45	33.3
1837	N565	5,785.17	400 Tract UPPER Zone	0.0	6,042.96	111.5
1840	N564	5,781.39	400 Tract MID Zone	0.0	5,847.32	28.5
1843	N566	5,788.09	400 Tract UPPER Zone	0.0	5,861.87	31.9
1846	J-38	5,794.14	400 Tract UPPER Zone	0.0	6,061.60	115.7
1851	N567	5,594.00	100 Tract NW Zone	1.5	5,731.46	59.5
1854	N568	5,644.00	100 Tract SE Zone	2.7	5,882.92	103.4
1856	J-43	5,559.00	100 Tract NW Zone	2.7	5,772.50	92.4

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Existing (2022) PHD Condition Distribution System Junction Report
PHD-NODES - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
1880	Liberty Peak Elementary	5,458.15	100 Tract NW Zone	103.3	5,727.43	116.5
1938	N569 (B&G Club)	5,395.41	300 Tract WEST Zone	2.7	5,641.57	106.5

GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) PHD Condition Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diamete r (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen- Williams C
L481	1,356	12	PVC	-1,368.2	3.88	6.14	130.0
L503	7,827	12	PVC	-610.2	1.73	7.95	130.0
L329	676	12	PVC	-402.7	1.14	0.32	130.0
P-21	820	12	PVC	-426.8	1.21	0.37	140.0
L412	701	12	PVC	-467.6	1.33	0.44	130.0
L160	1,350	12	PVC	-659.8	1.87	1.58	130.0
L159	1,590	12	PVC	-664.4	1.88	1.89	130.0
P-46	349	12	PVC	-768.1	2.18	0.54	130.0
P-47	3,457	12	PVC	-768.1	2.18	5.38	130.0
L158	920	12	PVC	-560.4	1.59	0.80	130.0
L157	467	12	PVC	-563.4	1.60	0.41	130.0
L153	1,017	12	PVC	-543.5	1.54	0.83	130.0
L155	1,343	12	PVC	-601.6	1.71	1.33	130.0
L154	323	12	PVC	-609.3	1.73	0.33	130.0
L163	2,030	12	PVC	-660.8	1.87	2.39	130.0
L192	2,086	12	PVC	-713.9	2.03	2.83	130.0
L179	1,473	12	PVC	-693.6	1.97	1.90	130.0
L216	538	8	PVC	-1.5	0.01	0.00	130.0
L206	782	8	PVC	-10.7	0.07	0.00	130.0
L197	400	8	PVC	-21.4	0.14	0.01	130.0
L209	1,177	8	PVC	-181.2	1.16	0.90	130.0
L212	548	8	PVC	60.6	0.39	0.06	130.0
L211	1,079	8	PVC	46.8	0.30	0.07	130.0
L442	1,092	6	PVC	-653.1	7.41	36.79	130.0
L443	310	8	PVC	313.8	2.00	0.66	130.0
P-9	301	8	PVC	-230.5	1.47	0.37	130.0
P-8	463	8	PVC	-214.0	1.37	0.49	130.0
L258	502	6	PVC	81.0	0.92	0.36	130.0
L261	433	6	PVC	127.7	1.45	0.71	130.0
L290	383	6	PVC	84.1	0.95	0.29	130.0
L275	786	6	PVC	71.1	0.81	0.44	130.0
L195	1,805	4	PVC	-31.7	0.81	1.60	130.0
L193	1,137	4	PVC	-8.7	0.22	0.09	130.0
L234	1,452	4	PVC	-58.2	1.49	3.99	130.0
L226	1,276	4	PVC	-29.1	0.74	0.97	130.0
L348	769	6	PVC	138.2	1.57	1.46	130.0
L343	448	6	PVC	148.9	1.69	0.98	130.0
L176	3,530	4	PVC	-40.4	1.03	4.95	130.0
L207	964	4	PVC	32.0	0.82	0.88	130.0
L199	1,494	4	PVC	7.5	0.19	0.09	130.0
L170	813	4	PVC	-41.9	1.07	1.22	130.0
L162	2,364	4	PVC	-20.5	0.52	0.94	130.0
L355	587	4	PVC	-76.7	1.96	2.70	130.0
L347	990	4	PVC	-62.9	1.61	3.15	130.0
L232	2,208	3	PVC	-25.3	1.15	5.27	130.0

GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) PHD Condition Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
L174	2,111	4	PVC	4.5	0.12	0.05	130.0
L156	1,546	4	PVC	22.9	0.58	0.76	130.0
L490	392	6	PVC	-192.0	2.18	1.37	130.0
L483	1,038	4	PVC	-204.3	5.22	29.30	130.0
P-29	957	6	Ductile Iron	-207.4	2.35	3.85	130.0
L478	1,155	6	PVC	-151.9	1.72	2.61	130.0
L466	1,227	6	PVC	-141.2	1.60	2.42	130.0
L394	207	8	PVC	-689.0	4.40	1.90	130.0
L392	155	8	PVC	-669.1	4.27	1.34	130.0
L391	602	8	PVC	-673.7	4.30	5.29	130.0
L405	1,158	8	PVC	525.0	3.35	6.42	130.0
L185	421	4	PVC	30.6	0.78	0.35	130.0
L183	3,902	4	PVC	10.7	0.27	0.47	130.0
L224	1,590	4	PVC	33.5	0.86	1.58	130.0
L229	656	4	PVC	-33.0	0.84	0.63	130.0
L178	1,201	4	PVC	13.3	0.34	0.21	130.0
L414	770	6	PVC	55.7	0.63	0.27	130.0
L452	82	6	PVC	-343.4	3.90	0.84	130.0
L270	2,369	4	PVC	51.9	1.33	5.29	130.0
L236	283	4	PVC	25.9	0.66	0.17	130.0
L175	41	4	PVC	15.3	0.39	0.01	130.0
L274	1,610	2	PVC	6.8	0.70	2.45	130.0
L251	634	3	PVC	-22.3	1.01	1.20	130.0
L461	1,015	4	PVC	86.8	2.22	5.87	130.0
L350	189	4	PVC	30.6	0.78	0.16	130.0
L440	2,683	4	PVC	27.4	0.70	1.83	130.0
L441	797	4	PVC	45.3	1.16	1.38	130.0
L439	2,065	4	PVC	14.7	0.38	0.45	130.0
L468	689	6	PVC	-13.2	0.15	0.02	130.0
L454	985	6	PVC	-28.5	0.32	0.10	130.0
L450	685	6	PVC	-42.3	0.48	0.15	130.0
L449	715	6	PVC	-54.5	0.62	0.24	130.0
L448	1,369	4	PVC	-68.3	1.74	5.08	130.0
L467	978	4	PVC	-5.5	0.14	0.03	130.0
L431	3,226	4	PVC	22.0	0.56	1.47	130.0
L453	210	12	PVC	-530.2	1.50	0.16	130.0
L572	1,740	6	PVC	202.1	2.29	6.68	130.0
L415	2,495	4	PVC	12.4	0.32	0.39	130.0
L408	962	4	PVC	53.9	1.38	2.30	130.0
L421	921	6	PVC	73.8	0.84	0.55	130.0
L108	958	8	PVC	76.0	0.48	0.15	130.0
L109	2,039	8	PVC	92.8	0.59	0.46	130.0
L353	1,283	4	PVC	47.7	1.22	2.45	130.0
L111	1,079	4	PVC	0.4	0.01	0.00	130.0
L384	874	8	PVC	240.0	1.53	1.14	130.0

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GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) PHD Condition Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
L360	366	8	PVC	286.3	1.83	0.66	130.0
L366	1,622	8	PVC	267.9	1.71	2.58	130.0
L357	345	6	PVC	357.0	4.05	3.80	130.0
L107	2,125	4	PVC	31.6	0.81	1.89	130.0
L516	1,340	6	PVC	-226.1	2.57	6.33	130.0
P-24	894	4	Ductile Iron	-386.8	9.88	82.26	130.0
L511	715	6	PVC	-164.9	1.87	1.88	130.0
L486	1,343	6	PVC	-155.7	1.77	3.18	130.0
P-88	527	6	Ductile Iron	0.0	0.00	0.00	130.0
L584	448	8	PVC	568.4	3.63	2.88	130.0
L325	539	6	PVC	36.7	0.42	0.09	130.0
P-74	881	3	PVC	0.0	0.00	0.00	130.0
L383	420	6	PVC	-144.1	1.63	0.86	130.0
P-59	1,562	6	PVC	26.0	0.30	0.13	130.0
P-78	120	4	PVC	0.0	0.00	0.00	130.0
P-82	967	3	PVC	0.0	0.00	0.00	130.0
P-45	387	2	Ductile Iron	0.0	0.00	0.00	130.0
P-35	437	6	PVC	0.0	0.00	0.00	130.0
L400	1,314	4	PVC	-18.6	0.47	0.44	130.0
P-66	2,873	4	PVC	0.0	0.00	0.00	130.0
P-61	938	6	PVC	1.5	0.02	0.00	130.0
L472	1,023	4	PVC	27.5	0.70	0.71	130.0
P-67	2,834	4	PVC	0.0	0.00	0.00	130.0
L517	898	4	PVC	5.9	0.15	0.04	130.0
L379	3,485	4	PVC	19.9	0.51	1.32	130.0
L349	1,322	3	PVC	13.8	0.63	1.03	130.0
L249	1,720	3	PVC	0.0	0.00	0.00	130.0
P-90	1,627	3	PVC	1.5	0.07	0.02	130.0
P-43	764	2	PVC	0.0	0.00	0.00	130.0
L471	263	6	PVC	0.0	0.00	0.00	130.0
P-49	136	3	PVC	0.0	0.00	0.00	130.0
P-52	86	4	PVC	0.0	0.00	0.00	130.0
P-54	96	3	PVC	0.0	0.00	0.00	130.0
P-56	83	3	PVC	0.0	0.00	0.00	130.0
P-57	127	3	PVC	0.0	0.00	0.00	130.0
P-62	172	6	PVC	0.0	0.00	0.00	130.0
P-64	167	6	PVC	0.0	0.00	0.00	130.0
P-65	173	4	PVC	0.0	0.00	0.00	130.0
P-68	266	4	PVC	0.0	0.00	0.00	130.0
L530	1,858	3	PVC	10.7	0.49	0.91	130.0
L101	1,000	4	PVC	3.1	0.08	0.01	130.0
L531	1,076	4	PVC	16.8	0.43	0.30	130.0
L477	617	6	PVC	-47.4	0.54	0.16	130.0
L473	589	6	PVC	-38.3	0.43	0.10	130.0
P-55	3,981	3	PVC	0.0	0.00	0.00	130.0

GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) PHD Condition Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
P-58	2,412	3	PVC	0.0	0.00	0.00	130.0
P-53	2,032	3	PVC	0.0	0.00	0.00	130.0
P-51	624	4	PVC	0.0	0.00	0.00	130.0
P-50	2,158	3	PVC	0.0	0.00	0.00	130.0
L368	575	4	PVC	101.0	2.58	4.40	130.0
L119	762	8	PVC	457.9	2.92	3.27	130.0
P-63	2,065	6	PVC	0.0	0.00	0.00	130.0
L382	1,647	4	PVC	124.2	3.17	18.48	130.0
L128	86	6	PVC	4.6	0.05	0.00	130.0
P-10	348	8	PVC	16.5	0.11	0.00	130.0
L583	1,347	8	PVC	0.0	0.00	0.00	130.0
L359	751	6	PVC	9.2	0.10	0.01	130.0
L488	914	8	PVC	19.9	0.13	0.01	130.0
L242	276	4	PVC	19.9	0.51	0.10	130.0
P-79	1,912	6	Ductile Iron	0.0	0.00	0.00	130.0
L551	757	4	PVC	16.8	0.43	0.21	130.0
L491	1,090	4	PVC	26.0	0.66	0.68	130.0
L177	1,352	4	PVC	27.5	0.70	0.93	130.0
P-85	421	3	PVC	0.0	0.00	0.00	130.0
L510	1,107	3	PVC	10.7	0.49	0.54	130.0
L543	1,260	4	PVC	24.5	0.63	0.70	130.0
L389	922	3	PVC	18.4	0.83	1.22	130.0
L417	1,485	3	PVC	10.7	0.49	0.72	130.0
P-83	915	3	PVC	0.0	0.00	0.00	130.0
L422	2,022	2	PVC	21.4	2.19	25.65	130.0
L301	2,457	3	PVC	9.2	0.42	0.90	130.0
L396	2,935	3	PVC	19.9	0.90	4.50	130.0
L497	890	3	PVC	3.1	0.14	0.04	130.0
P-40	611	2	PVC	0.0	0.00	0.00	130.0
L546	1,635	3	PVC	9.2	0.42	0.60	130.0
L316	1,400	4	PVC	9.2	0.23	0.13	130.0
P-48	806	3	PVC	0.0	0.00	0.00	130.0
L515	1,579	4	PVC	30.6	0.78	1.33	130.0
P-91	1,029	3	PVC	2.7	0.12	0.04	130.0
L563	1,142	3	PVC	12.2	0.56	0.71	130.0
L574	1,949	6	PVC	6.1	0.07	0.01	130.0
P-75	500	3	PVC	0.0	0.00	0.00	130.0
L116	463	4	PVC	4.6	0.12	0.01	130.0
L581	321	8	PVC	18.4	0.12	0.00	130.0
L125	505	8	PVC	1.5	0.01	0.00	130.0
L575	1,013	8	PVC	33.7	0.21	0.03	130.0
L282	291	6	PVC	12.2	0.14	0.01	130.0
L255	747	6	PVC	10.7	0.12	0.01	130.0
L220	576	4	PVC	19.9	0.51	0.22	130.0
L221	1,814	4	PVC	32.1	0.82	1.67	130.0

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GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) PHD Condition Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
L233	697	3	PVC	10.7	0.49	0.34	130.0
L522	720	6	PVC	33.9	0.38	0.10	130.0
L539	2,069	6	PVC	47.6	0.54	0.55	130.0
L520	3,578	4	PVC	26.0	0.66	2.22	130.0
L525	735	4	PVC	18.2	0.46	0.23	130.0
P-4	146	8	PVC	0.0	0.00	0.00	130.0
P-7	201	8	Ductile Iron	0.0	0.00	0.00	130.0
P-13	154	6	Ductile Iron	8.8	0.10	0.00	130.0
L475	431	12	PVC	19.9	0.06	0.00	130.0
L540	882	6	PVC	63.1	0.72	0.39	130.0
L123	486	8	PVC	97.6	0.62	0.12	130.0
P-93	226	8	PVC	103.3	0.66	0.06	130.0
L334	235	4	PVC	7.7	0.20	0.02	130.0
L558	1,218	4	PVC	36.7	0.94	1.43	130.0
L508	1,731	4	PVC	26.0	0.66	1.07	130.0
L579	1,281	3	PVC	6.1	0.28	0.22	130.0
L507	1,720	4	PVC	10.7	0.27	0.21	130.0
P-92	1,375	6	Ductile Iron	2.7	0.03	0.00	130.0
L474	325	3	PVC	19.9	0.90	0.50	130.0
L565	1,551	4	PVC	19.9	0.51	0.59	130.0
L553	944	3	PVC	7.7	0.35	0.25	130.0
P-71	546	3	PVC	0.0	0.00	0.00	130.0
L499	1,734	3	PVC	9.2	0.42	0.64	130.0
L398	599	2	PVC	16.8	1.72	4.86	130.0
L133	2,080	3	PVC	0.0	0.00	0.00	130.0
L554	827	3	PVC	4.6	0.21	0.08	130.0
L460	1,057	3	PVC	12.2	0.56	0.66	130.0
L429	1,021	3	PVC	21.4	0.97	1.80	130.0
P-69	852	3	PVC	0.0	0.00	0.00	130.0
L504	1,625	6	PVC	0.0	0.00	0.00	130.0
L509	865	6	PVC	7.7	0.09	0.01	130.0
L223	624	6	PVC	6.1	0.07	0.00	130.0
L495	950	6	PVC	7.7	0.09	0.01	130.0
L513	613	6	PVC	27.5	0.31	0.06	130.0
L222	364	6	PVC	4.6	0.05	0.00	130.0
L139	708	8	PVC	27.1	0.17	0.02	130.0
L524	1,740	4	PVC	44.4	1.13	2.90	130.0
L380	763	4	PVC	29.1	0.74	0.58	130.0
L341	505	8	PVC	0.0	0.00	0.00	130.0
L215	644	4	PVC	55.1	1.41	1.60	130.0
L493	1,524	4	PVC	33.3	0.85	1.49	130.0
L434	815	4	PVC	38.3	0.98	1.03	130.0
L361	1,321	4	PVC	63.1	1.61	4.23	130.0
L494	1,232	4	PVC	45.9	1.17	2.19	130.0
L322	774	4	PVC	9.2	0.23	0.07	130.0

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Existing (2022) PHD Condition Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
L323	1,026	4	PVC	9.2	0.23	0.09	130.0
L306	2,083	4	PVC	14.1	0.36	0.42	130.0
L484	819	3	PVC	9.2	0.42	0.30	130.0
L135	2,391	4	PVC	4.6	0.12	0.06	130.0
L593	7,523	6	PVC	3.1	0.03	0.01	130.0
L568	630	8	PVC	50.5	0.32	0.05	130.0
L105	1,167	8	PVC	22.6	0.14	0.02	130.0
L586	362	6	PVC	3.1	0.03	0.00	130.0
L284	566	8	PVC	-74.7	0.48	0.08	130.0
L289	335	8	PVC	-76.2	0.49	0.05	130.0
L550	756	6	PVC	133.7	1.52	1.35	130.0
L557	480	3	PVC	16.8	0.76	0.54	130.0
L536	602	4	PVC	36.7	0.94	0.71	130.0
L115	25	8	PVC	270.7	1.73	0.04	130.0
L559	1,279	8	PVC	61.2	0.39	0.13	130.0
L122(2)	971	8	PVC	-164.2	1.05	0.62	130.0
L122(1)	253	8	PVC	-161.5	1.03	0.16	130.0
L317	670	3	PVC	33.7	1.53	2.72	130.0
L121	1,486	8	PVC	292.2	1.86	2.78	130.0
L237	423	6	PVC	21.4	0.24	0.03	130.0
L300	1,929	6	PVC	98.0	1.11	1.94	130.0
L512	1,080	4	PVC	24.5	0.63	0.60	130.0
L124	960	8	PVC	-63.9	0.41	0.11	130.0
L299	489	6	PVC	116.3	1.32	0.68	130.0
L324	649	4	PVC	53.6	1.37	1.53	130.0
L127	791	8	PVC	-39.4	0.25	0.04	130.0
L126	592	8	PVC	-57.8	0.37	0.05	130.0
L244	626	4	PVC	44.4	1.13	1.05	130.0
L485	480	4	PVC	97.5	2.49	3.45	130.0
L240	408	6	PVC	23.0	0.26	0.03	130.0
L302	326	6	PVC	127.0	1.44	0.53	130.0
L298	807	12	PVC	130.1	0.37	0.05	130.0
L304	295	6	PVC	134.7	1.53	0.53	130.0
L534	1,686	4	PVC	33.7	0.86	1.69	130.0
L132	605	8	PVC	8.0	0.05	0.00	130.0
L134	362	8	PVC	14.1	0.09	0.00	130.0
L129	253	8	PVC	-28.7	0.18	0.01	130.0
L130	343	8	PVC	-19.5	0.12	0.00	130.0
L131	412	8	PVC	-10.4	0.07	0.00	130.0
L148	252	8	PVC	30.0	0.19	0.01	130.0
L137	373	8	PVC	29.4	0.19	0.01	130.0
L537	942	12	PVC	127.0	0.36	0.05	130.0
L548	919	12	PVC	122.4	0.35	0.05	130.0

GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) PHD Condition Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
L523	1,177	12	PVC	169.9	0.48	0.11	130.0
L117	811	4	PVC	26.6	0.68	0.52	130.0
L521	461	12	PVC	223.4	0.63	0.07	130.0
L505	867	12	PVC	272.4	0.77	0.20	130.0
L489	806	12	PVC	277.0	0.79	0.19	130.0
L514	494	12	PVC	267.8	0.76	0.11	130.0
L476	765	12	PVC	303.0	0.86	0.21	130.0
L397	733	3	PVC	-200.2	9.09	80.92	130.0
L363	792	3	PVC	-165.0	7.49	61.17	130.0
P-32	1,657	6	Ductile Iron	-183.4	2.08	5.31	130.0
L594	280	6	PVC	261.0	2.96	1.20	130.0
L571	2,153	4	PVC	67.3	1.72	7.78	130.0
L112	2,126	3	PVC	0.1	0.01	0.00	130.0
L312	316	3	PVC	1.3	0.06	0.00	130.0
L310	1,507	3	PVC	-20.2	0.92	2.37	130.0
L352	1,509	3	PVC	28.8	1.31	4.60	130.0
L313	149	3	PVC	19.6	0.89	0.22	130.0
L102	263	4	PVC	-9.4	0.24	0.02	130.0
L104	3,303	4	PVC	-28.9	0.74	2.50	130.0
L555	940	4	PVC	95.6	2.44	6.50	130.0
L566	3,370	3	PVC	29.6	1.34	10.77	130.0
L103	1,170	4	PVC	-25.4	0.65	0.70	130.0
L573	1,283	6	PVC	-285.1	3.23	9.31	130.0
L106	525	4	PVC	-76.9	1.96	2.43	130.0
L556	964	4	PVC	-31.9	0.81	0.87	130.0
L582	852	6	PVC	-28.7	0.33	0.09	130.0
L578	2,732	6	PVC	-402.0	4.56	37.48	130.0
L487	4,290	4	PVC	-12.7	0.32	0.71	130.0
L564	1,191	4	PVC	1.6	0.04	0.00	130.0
L547	1,589	4	PVC	13.9	0.35	0.31	130.0
L528	1,893	4	PVC	19.7	0.50	0.71	130.0
L506	1,091	4	PVC	1.4	0.04	0.00	130.0
L529	1,708	4	PVC	44.5	1.14	2.87	130.0
L535	205	4	PVC	55.2	1.41	0.51	130.0
L541	1,155	4	PVC	-34.7	0.89	1.23	130.0
L526	1,384	4	PVC	-19.4	0.50	0.50	130.0
L538	1,254	4	PVC	15.6	0.40	0.30	130.0
L549	985	4	PVC	18.6	0.48	0.33	130.0
L542	1,311	4	PVC	96.5	2.46	9.23	130.0
L118	756	4	PVC	13.2	0.34	0.13	130.0
L113	3,660	4	PVC	-0.9	0.02	0.00	130.0
L100	3,578	4	PVC	-15.0	0.38	0.80	130.0
L533	1,170	6	PVC	-171.9	1.95	3.33	130.0
L570	2,748	4	PVC	-228.6	5.84	95.47	130.0
L561	637	6	PVC	-205.6	2.33	2.52	130.0

GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) PHD Condition Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
L552	1,002	6	PVC	-191.8	2.18	3.49	130.0
L345	470	8	PVC	526.0	3.36	2.61	130.0
L544	1,460	4	PVC	74.1	1.89	6.29	130.0
L110	2,015	8	PVC	-191.1	1.22	1.72	130.0
L562	2,472	3	PVC	103.1	4.68	79.88	130.0
L576	1,255	4	PVC	144.5	3.69	18.65	130.0
L333	302	4	PVC	-99.5	2.54	2.25	130.0
L307	1,115	4	PVC	-87.3	2.23	6.51	130.0
L114	1,817	4	PVC	61.3	1.56	5.51	130.0
L303	990	4	PVC	-10.1	0.26	0.11	130.0
L295	1,076	4	PVC	-48.7	1.24	2.14	130.0
L267	1,989	4	PVC	-24.2	0.62	1.08	130.0
L356	1,990	6	PVC	155.2	1.76	4.68	130.0
L321	2,038	6	PVC	155.2	1.76	4.79	130.0
L567	596	4	PVC	74.5	1.90	2.60	130.0
L560	414	4	PVC	71.4	1.82	1.67	130.0
L580	1,261	4	PVC	122.4	3.13	13.79	130.0
L430	3,390	4	PVC	-32.8	0.84	3.24	130.0
L257	388	6	PVC	37.6	0.43	0.07	130.0
L250	345	6	PVC	29.9	0.34	0.04	130.0
L191	1,480	2	PVC	6.6	0.67	2.11	130.0
L464	1,424	4	PVC	-45.3	1.16	2.47	130.0
L458	245	4	PVC	-71.3	1.82	0.98	130.0
L435	1,068	6	PVC	-332.4	3.77	10.30	130.0
L428	544	6	PVC	-312.5	3.55	4.68	130.0
L420	1,104	6	PVC	-292.6	3.32	8.41	130.0
L410	905	6	PVC	-269.6	3.06	5.92	130.0
L399	680	6	PVC	-255.8	2.90	4.04	130.0
L390	247	6	PVC	-240.5	2.73	1.31	130.0
L387	495	6	PVC	-229.8	2.61	2.41	130.0
L385	652	6	PVC	-202.3	2.30	2.51	130.0
L413	1,295	4	PVC	-36.8	0.94	1.53	130.0
L395	512	4	PVC	-50.5	1.29	1.09	130.0
L260	1,789	3	PVC	-11.9	0.54	1.07	130.0
L462	1,843	4	PVC	-165.8	4.23	35.32	130.0
L372	2,934	3	PVC	-27.3	1.24	8.10	130.0
L447	1,664	4	PVC	-57.9	1.48	4.54	130.0
L446	493	6	PVC	-42.6	0.48	0.11	130.0
L423	1,550	6	PVC	-30.3	0.34	0.18	130.0
L418	1,308	2	PVC	18.7	1.90	12.83	130.0
L432	1,364	6	PVC	78.4	0.89	0.91	130.0
L463	1,471	6	PVC	158.9	1.80	3.62	130.0
L231	550	4	PVC	29.8	0.76	0.44	130.0
L404	756	8	PVC	721.1	4.60	7.54	130.0
L401	287	8	PVC	707.3	4.51	2.76	130.0

GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) PHD Condition Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diamete r (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen- Williams C
L331	530	4	PVC	-1.7	0.04	0.00	130.0
L181	2,045	3	PVC	11.5	0.52	1.13	130.0
L351	2,905	3	PVC	-51.7	2.35	26.15	130.0
L259	1,783	4	PVC	-25.5	0.65	1.07	130.0
L425	1,084	3	PVC	-17.6	0.80	1.33	130.0
L451	1,752	3	PVC	4.9	0.22	0.20	130.0
L161	1,801	4	PVC	39.9	1.02	2.46	130.0
L217	540	4	PVC	31.5	0.80	0.48	130.0
L214	1,136	3	PVC	10.1	0.46	0.49	130.0
L367	540	6	PVC	-32.8	0.37	0.07	130.0
L364	489	6	PVC	-32.8	0.37	0.06	130.0
L253	1,515	4	PVC	-8.3	0.21	0.12	130.0
L305	772	4	PVC	-61.9	1.58	2.39	130.0
L247	1,729	4	PVC	-59.1	1.51	4.90	130.0
L246	214	4	PVC	-40.7	1.04	0.30	130.0
L227	1,007	4	PVC	-23.9	0.61	0.53	130.0
L362	343	4	PVC	107.3	2.74	2.93	130.0
L354	883	4	PVC	-47.4	1.21	1.67	130.0
L230	2,343	4	PVC	-57.7	1.47	6.38	130.0
L309	2,155	4	PVC	-62.7	1.60	6.82	130.0
L297	478	6	PVC	-45.9	0.52	0.12	130.0
L358	487	4	PVC	-87.6	2.24	2.87	130.0
L315	1,486	4	PVC	-58.5	1.49	4.14	130.0
L292	684	4	PVC	-38.6	0.99	0.88	130.0
L293	2,593	4	PVC	-61.3	1.57	7.89	130.0
L188	628	4	PVC	-6.0	0.15	0.03	130.0
L213	949	6	PVC	-64.1	0.73	0.44	130.0
L204	591	6	PVC	-74.8	0.85	0.36	130.0
L203	826	4	PVC	9.0	0.23	0.07	130.0
L189	1,928	4	PVC	15.1	0.39	0.43	130.0
L294	242	8	PVC	-123.0	0.79	0.09	130.0
L285	438	8	PVC	-116.9	0.75	0.15	130.0
L268	614	6	PVC	-65.4	0.74	0.29	130.0
L262	444	6	PVC	-62.3	0.71	0.19	130.0
L365	824	6	PVC	-129.6	1.47	1.39	130.0
L370	547	6	PVC	-174.9	1.98	1.61	130.0
L273	683	4	PVC	-77.0	1.97	3.17	130.0
L256	1,128	4	PVC	-60.1	1.54	3.31	130.0
L245	853	4	PVC	-32.6	0.83	0.81	130.0
L228	1,215	4	PVC	24.0	0.61	0.65	130.0
L173	1,725	4	PVC	37.8	0.96	2.12	130.0
L277	200	8	PVC	-75.8	0.48	0.03	130.0
L276	806	8	PVC	-81.9	0.52	0.14	130.0
L279	235	8	PVC	-69.6	0.44	0.03	130.0
L190	2,402	4	PVC	18.1	0.46	0.75	130.0

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GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) PHD Condition Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
L194	1,076	4	PVC	-15.6	0.40	0.27	130.0
L184	1,210	4	PVC	33.6	0.86	1.19	130.0
L455	155	6	PVC	-449.7	5.10	2.62	130.0
L336	1,210	6	PVC	-157.8	1.79	2.94	130.0
L374	306	6	PVC	-209.3	2.37	1.25	130.0
P-28	866	6	PVC	82.0	0.93	0.63	130.0
L281	315	8	PVC	-217.4	1.39	0.34	130.0
L278	792	8	PVC	-232.7	1.49	0.97	130.0
L296	736	8	PVC	-188.3	1.20	0.61	130.0
L272	514	6	PVC	-116.5	1.32	0.71	130.0
P-12	658	6	PVC	-107.3	1.22	0.78	130.0
P-11	188	6	PVC	-98.6	1.12	0.19	130.0
L286	467	6	PVC	-201.9	2.29	1.79	130.0
P-27	959	6	PVC	289.4	3.28	7.16	130.0
L168	1,951	6	PVC	-5.4	0.06	0.01	130.0
L180	1,158	4	PVC	41.2	1.05	1.67	130.0
L169	1,397	6	PVC	38.2	0.43	0.24	130.0
L167	539	6	PVC	97.9	1.11	0.54	130.0
L166	1,012	6	PVC	78.0	0.88	0.66	130.0
L165	601	6	PVC	47.4	0.54	0.16	130.0
L164	1,594	6	PVC	55.0	0.62	0.55	130.0
L326	293	6	PVC	-280.7	3.18	2.07	130.0
L314	626	6	PVC	-269.9	3.06	4.11	130.0
L269	797	8	PVC	-212.8	1.36	0.83	130.0
L205	358	6	PVC	-98.1	1.11	0.36	130.0
L381	767	6	PVC	-374.0	4.24	9.20	130.0
L375	614	6	PVC	-346.5	3.93	6.40	130.0
L427	808	6	PVC	209.1	2.37	3.30	130.0
L419	962	6	PVC	230.5	2.62	4.71	130.0
L438	351	6	PVC	137.4	1.56	0.66	130.0
L393	1,626	6	PVC	267.5	3.04	10.48	130.0
L338	358	8	PVC	-485.6	3.10	1.72	130.0
L330	737	8	PVC	-476.4	3.04	3.41	130.0
L198	934	6	PVC	75.7	0.86	0.58	130.0
L196	500	6	PVC	86.4	0.98	0.40	130.0
L291	1,216	8	PVC	-455.1	2.90	5.17	130.0
L252	39	6	PVC	-153.5	1.74	0.09	130.0
L371	985	8	PVC	-650.0	4.15	8.10	130.0
L378	707	8	PVC	-701.8	4.48	6.70	130.0
L344	769	8	PVC	-643.7	4.11	6.21	130.0
L151	1,652	8	PVC	106.3	0.68	0.47	130.0
L140	233	8	PVC	106.3	0.68	0.07	130.0
L149	760	8	PVC	182.4	1.16	0.59	130.0
L147	724	8	PVC	182.4	1.16	0.56	130.0
L144	370	8	PVC	156.4	1.00	0.21	130.0

GBWC 2024 IRP - Spring Creek Division - Housing Section
Existing (2022) PHD Condition Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diamete r (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen- Williams C
L142	684	8	PVC	182.4	1.16	0.53	130.0
L141	325	8	PVC	173.2	1.11	0.23	130.0
L136	153	8	PVC	179.3	1.14	0.11	130.0
L143	140	8	PVC	147.2	0.94	0.07	130.0
L416	1,917	8	PVC	-282.1	1.80	3.36	130.0
L409	514	8	PVC	-260.7	1.66	0.78	130.0
L406	296	8	PVC	-250.0	1.60	0.41	130.0
L248	360	6	PVC	-138.9	1.58	0.69	130.0
L238	657	6	PVC	-119.0	1.35	0.95	130.0
L388	810	8	PVC	-759.7	4.85	8.89	130.0
L218	629	6	PVC	20.1	0.23	0.03	130.0
L208	766	6	PVC	35.4	0.40	0.11	130.0
L225	582	6	PVC	-34.8	0.39	0.09	130.0
L342	47	8	PVC	-214.9	1.37	0.05	130.0
L335	317	8	PVC	-211.8	1.35	0.33	130.0
L319	553	8	PVC	-108.1	0.69	0.17	130.0
L283	908	8	PVC	-108.1	0.69	0.28	130.0
L280	147	8	PVC	-89.7	0.57	0.03	130.0
L346	307	8	PVC	-158.1	1.01	0.19	130.0
L263	382	8	PVC	-78.4	0.50	0.06	130.0
L239	1,384	8	PVC	-56.9	0.36	0.13	130.0
L271	453	8	PVC	-154.8	0.99	0.27	130.0
L241	779	8	PVC	-2.6	0.02	0.00	130.0
L235	534	8	PVC	23.4	0.15	0.01	130.0
L219	677	8	PVC	43.3	0.28	0.03	130.0
L210	704	8	PVC	70.9	0.45	0.09	130.0
L187	815	8	PVC	119.7	0.76	0.29	130.0
L171	132	8	PVC	294.7	1.88	0.25	130.0
P-6	314	8	PVC	306.9	1.96	0.64	130.0
P-5	1,377	8	PVC	306.9	1.96	2.80	130.0
L182	358	8	PVC	206.4	1.32	0.35	130.0
P-3	196	8	PVC	169.7	1.08	0.13	130.0
P-2	187	8	PVC	171.2	1.09	0.13	130.0
L172	780	8	PVC	237.8	1.52	0.98	130.0
L480	976	12	PVC	1,078.8	3.06	2.85	130.0
L469	795	12	PVC	1,078.8	3.06	2.32	130.0
L596	354	6	PVC	413.2	4.69	7.13	130.0
L433	786	12	PVC	526.6	1.49	0.61	130.0
L459	249	12	PVC	603.1	1.71	0.25	130.0
L457	632	12	PVC	600.0	1.70	0.62	130.0
L444	456	12	PVC	577.1	1.64	0.42	130.0
L456	567	12	PVC	626.0	1.78	0.60	130.0
L411	2,546	12	PVC	442.9	1.26	1.43	130.0
P-23	178	12	PVC	467.6	1.33	0.11	130.0
L373	541	12	PVC	402.7	1.14	0.25	130.0

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Existing (2022) PHD Condition Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diameter (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen-Williams C
L328	1,452	12	PVC	382.8	1.09	0.54	140.0
L426	699	12	PVC	490.5	1.39	0.47	130.0
L588	467	12	PVC	1,023.4	2.90	0.60	130.0

GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan MDD 2027 Distribution System Junction Report
MDD - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
267	N288	5,495.00	100 Tract NW Zone	0.0	5,737.00	104.7
300	N369 - IRRG	5,459.48	100 Tract NW Zone	57.6	5,769.16	134.0
304	N338	5,534.00	100 Tract NW Zone	10.8	5,829.12	127.7
315	N235	5,474.50	100 Tract NW Zone	6.3	5,752.67	120.4
316	N227	5,478.30	100 Tract NW Zone	11.7	5,752.77	118.8
318	N203	5,453.00	100 Tract NW Zone	2.7	5,752.94	129.8
395	N399	5,478.20	100 Tract NW Zone	8.1	5,732.63	110.1
396	N404	5,480.00	100 Tract NW Zone	2.7	5,745.55	114.9
397	N374	5,466.60	100 Tract NW Zone	6.3	5,755.54	125.0
398	N302(IRR G)	5,604.00	100 Tract NW Zone	56.7	5,733.65	56.1
400	N292	5,636.20	100 Tract NW Zone	0.0	5,732.12	41.5
401	N308	5,602.60	100 Tract NW Zone	1.8	5,732.12	56.0
402	N312	5,602.60	100 Tract NW Zone	3.6	5,731.89	55.9
403	N318	5,540.00	100 Tract NW Zone	8.1	5,740.92	86.9
404	N330	5,525.10	100 Tract NW Zone	17.1	5,747.03	96.0
405	N325	5,505.50	100 Tract NW Zone	6.1	5,751.67	106.5
406	N317	5,468.40	100 Tract NW Zone	9.0	5,750.20	121.9
408	N309	5,444.60	100 Tract NW Zone	5.4	5,751.36	132.7
409	N343	5,459.00	100 Tract NW Zone	14.4	5,753.84	127.6
410	N370	5,463.00	100 Tract NW Zone	9.0	5,756.70	127.1
411	N360	5,492.10	100 Tract NW Zone	10.8	5,763.02	117.2
412	N357	5,499.30	100 Tract NW Zone	9.0	5,761.87	113.6
413	N355	5,495.00	100 Tract NW Zone	2.7	5,758.64	114.1
415	N240	5,429.80	100 Tract NW Zone	17.1	5,749.72	138.4
416	N277	5,467.20	100 Tract NW Zone	14.4	5,749.73	122.2
417	N260	5,491.50	100 Tract NW Zone	10.8	5,742.49	108.6
418	N256	5,479.40	100 Tract NW Zone	3.6	5,743.68	114.3
419	N225	5,451.80	100 Tract NW Zone	9.9	5,744.53	126.7
420	N229	5,453.30	100 Tract NW Zone	10.8	5,744.53	126.0
421	N249	5,474.20	100 Tract NW Zone	8.3	5,744.90	117.1
423	N257	5,463.10	100 Tract NW Zone	9.0	5,747.80	123.2
424	N253	5,451.40	100 Tract NW Zone	3.6	5,749.19	128.8
425	N239	5,444.80	100 Tract NW Zone	5.4	5,749.46	131.8
426	N236	5,435.60	100 Tract NW Zone	13.5	5,749.95	136.0
427	N262	5,447.40	100 Tract NW Zone	5.4	5,749.58	130.7
429	N304	5,444.60	100 Tract NW Zone	9.0	5,751.30	132.7
430	N326	5,442.20	100 Tract NW Zone	2.7	5,752.86	134.4
431	N337	5,481.70	100 Tract NW Zone	4.5	5,753.36	117.5
432	N331	5,490.90	100 Tract NW Zone	15.3	5,752.88	113.3
433	N285	5,453.50	100 Tract NW Zone	11.7	5,752.45	129.3
434	N267	5,435.90	100 Tract NW Zone	13.5	5,752.46	137.0
435	N252	5,470.10	100 Tract NW Zone	9.9	5,752.47	122.2
436	N208	5,454.50	100 Tract NW Zone	6.3	5,752.94	129.1
437	N221	5,453.60	100 Tract NW Zone	12.6	5,752.96	129.5
438	N224	5,451.90	100 Tract NW Zone	7.2	5,753.35	130.4
439	N179	5,441.80	100 Tract NW Zone	18.1	5,770.84	142.4
440	N199	5,460.40	100 Tract NW Zone	12.6	5,768.71	133.4

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
441	N194	5,471.60	100 Tract NW Zone	10.8	5,767.30	127.9
442	N219	5,446.10	100 Tract NW Zone	15.3	5,753.24	132.9
443	N215	5,459.80	100 Tract NW Zone	17.1	5,747.55	124.5
444	N210	5,469.96	100 Tract NW Zone	11.7	5,744.57	118.8
446	N212(IRR G)	5,453.50	100 Tract NW Zone	71.1	5,743.86	125.6
447	N213	5,461.40	100 Tract NW Zone	12.6	5,743.97	122.3
448	N217	5,458.90	100 Tract NW Zone	15.3	5,743.97	123.3
449	N258	5,483.50	100 Tract NW Zone	2.7	5,743.41	112.4
450	N250	5,480.90	100 Tract NW Zone	14.4	5,744.52	114.1
451	N216	5,468.60	100 Tract NW Zone	11.7	5,754.95	123.9
452	N204	5,460.70	100 Tract NW Zone	16.2	5,757.81	128.5
453	N234	5,443.20	100 Tract NW Zone	17.1	5,748.85	132.2
454	N193	5,470.28	100 Tract NW Zone	5.4	5,771.14	130.2
455	N183	5,442.30	100 Tract NW Zone	7.0	5,775.63	144.2
456	N158	5,411.80	100 Tract NW Zone	4.5	5,795.24	165.9
461	N207	5,431.70	100 Tract NW Zone	3.6	5,752.94	139.0
462	N172	5,457.51	100 Tract NW Zone	11.7	5,791.90	144.7
463	N173	5,455.61	100 Tract NW Zone	11.7	5,787.78	143.7
464	N175	5,458.80	100 Tract NW Zone	2.7	5,787.75	142.3
465	N181	5,476.70	100 Tract NW Zone	10.8	5,770.11	126.9
466	N192	5,472.00	100 Tract NW Zone	4.5	5,761.45	125.2
467	N205	5,565.50	100 Tract NW Zone	7.2	5,760.29	84.3
468	N206	5,552.80	100 Tract NW Zone	13.5	5,760.92	90.0
469	N190	5,498.50	100 Tract NW Zone	3.6	5,764.25	115.0
470	N165	5,453.90	100 Tract NW Zone	8.1	5,801.82	150.5
494	N214	5,570.70	100 Tract NW Zone	5.4	5,760.21	82.0
497	N359	5,462.70	100 Tract NW Zone	12.6	5,721.87	112.1
498	N336	5,485.50	100 Tract NW Zone	5.4	5,752.58	115.6
587	N305	5,615.00	100 Tract NW Zone	5.4	5,729.74	49.6
605	N280	5,475.26	100 Tract NW Zone	9.9	5,746.32	117.3
606	N301	5,574.00	100 Tract NW Zone	4.5	5,733.65	69.1
607	N222	5,468.25	100 Tract NW Zone	3.6	5,752.81	123.1
608	N220	5,462.94	100 Tract NW Zone	17.1	5,749.88	124.1
609	N254	5,476.65	100 Tract NW Zone	3.6	5,743.91	115.6
610	N242	5,478.49	100 Tract NW Zone	12.6	5,745.63	115.6
611	N270	5,468.35	100 Tract NW Zone	12.6	5,746.24	120.2
612	N259	5,463.50	100 Tract NW Zone	9.9	5,747.29	122.8
613	N276	5,458.60	100 Tract NW Zone	7.2	5,747.29	124.9
614	N315	5,460.17	100 Tract NW Zone	11.5	5,750.23	125.5
615	N402	5,475.00	100 Tract NW Zone	17.1	5,746.59	117.5
616	N379	5,472.60	100 Tract NW Zone	12.6	5,753.56	121.6
617	N366	5,479.50	100 Tract NW Zone	8.1	5,764.68	123.4
618	N352	5,472.50	100 Tract NW Zone	3.6	5,755.07	122.3
619	N332	5,447.88	100 Tract NW Zone	19.9	5,752.41	131.8
620	N313	5,440.02	100 Tract NW Zone	6.3	5,751.33	134.7
621	N306	5,447.79	100 Tract NW Zone	5.4	5,750.98	131.2
622	N298	5,457.52	100 Tract NW Zone	13.5	5,750.23	126.6
623	N268	5,451.41	100 Tract NW Zone	3.6	5,749.18	128.8

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
624	N265	5,447.51	100 Tract NW Zone	0.9	5,749.45	130.6
625	N261	5,458.15	100 Tract NW Zone	13.5	5,749.24	125.9
626	N248	5,462.54	100 Tract NW Zone	1.8	5,749.27	124.1
627	N232	5,452.42	100 Tract NW Zone	4.5	5,749.41	128.5
628	N233	5,450.70	100 Tract NW Zone	4.5	5,749.43	129.2
629	N241	5,445.42	100 Tract NW Zone	3.4	5,749.29	131.5
630	N266	5,454.11	100 Tract NW Zone	9.2	5,749.15	127.7
631	N201	5,467.99	100 Tract NW Zone	9.9	5,769.16	130.3
632	N196	5,452.70	100 Tract NW Zone	8.1	5,765.87	135.5
633	N197	5,459.48	100 Tract NW Zone	9.9	5,764.26	131.9
634	N195	5,462.91	100 Tract NW Zone	7.2	5,760.97	129.0
635	N191	5,484.66	100 Tract NW Zone	6.3	5,761.47	119.8
636	N223	5,576.50	100 Tract NW Zone	6.3	5,760.08	79.4
637	N198	5,508.50	100 Tract NW Zone	10.6	5,761.52	109.5
638	N182	5,470.64	100 Tract NW Zone	13.5	5,774.17	131.3
639	N177	5,476.83	100 Tract NW Zone	14.4	5,771.30	127.4
640	N174	5,473.42	100 Tract NW Zone	9.2	5,786.05	135.3
651	N294	5,441.67	100 Tract NW Zone	6.3	5,750.86	133.8
652	N251	5,445.34	100 Tract NW Zone	5.4	5,749.67	131.7
653	Com284	5,451.94	100 Tract NW Zone	3.6	5,750.00	129.0
654	N237	5,437.00	100 Tract NW Zone	15.3	5,749.87	135.4
655	Com230	5,430.43	100 Tract NW Zone	11.7	5,751.03	138.7
656	N209	5,465.89	100 Tract NW Zone	12.6	5,757.17	126.0
657	N202	5,478.02	100 Tract NW Zone	9.0	5,761.59	122.7
658	N186	5,459.00	100 Tract NW Zone	14.4	5,768.16	133.8
659	N184	5,457.01	100 Tract NW Zone	6.3	5,774.08	137.2
660	N185	5,451.02	100 Tract NW Zone	6.3	5,772.64	139.1
661	N176	5,457.36	100 Tract NW Zone	10.8	5,783.25	141.0
664	N403	5,493.40	100 Tract NW Zone	5.4	5,730.92	102.8
665	N386	5,489.80	100 Tract NW Zone	16.2	5,731.52	104.6
666	Com407	5,501.00	100 Tract NW Zone	7.2	5,731.54	99.7
667	N408	5,494.70	100 Tract NW Zone	9.0	5,731.56	102.5
668	N390	5,471.70	100 Tract NW Zone	12.6	5,737.72	115.1
669	N383	5,496.50	100 Tract NW Zone	10.8	5,744.33	107.2
670	N356	5,491.20	100 Tract NW Zone	16.2	5,757.82	115.4
671	N328	5,453.75	100 Tract NW Zone	0.0	5,752.96	129.5
672	N345	5,480.70	100 Tract NW Zone	16.2	5,755.16	118.7
673	N335	5,491.00	100 Tract NW Zone	0.9	5,753.07	113.4
674	N323	5,494.53	100 Tract NW Zone	11.7	5,752.58	111.6
675	N238	5,440.10	100 Tract NW Zone	9.9	5,752.67	135.2
676	N218	5,446.07	100 Tract NW Zone	0.9	5,752.95	132.8
677	N211	5,440.32	100 Tract NW Zone	16.2	5,757.24	137.1
678	N171	5,443.02	100 Tract NW Zone	4.5	5,789.29	149.8
679	N161	5,436.18	100 Tract NW Zone	5.4	5,793.38	154.5
680	N157	5,426.57	100 Tract NW Zone	13.5	5,800.41	161.7
681	N159	5,428.85	100 Tract NW Zone	11.7	5,804.16	162.4
682	N160	5,433.29	100 Tract NW Zone	8.1	5,806.38	161.4
1713	J-1	5,458.10	100 Tract NW Zone	0.9	5,785.54	141.7

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
1716	Church-LDS	5,458.00	100 Tract NW Zone	0.0	5,785.54	141.7
1728	J-7	5,438.85	100 Tract NW Zone	0.0	5,749.81	134.5
1731	J-8	5,439.00	100 Tract NW Zone	5.2	5,749.81	134.5
1765	N543	5,436.00	100 Tract NW Zone	0.0	5,752.67	137.0
1773	N544	5,591.44	100 Tract NW Zone	0.0	5,760.92	73.3
1779	N546	5,589.55	100 Tract NW Zone	0.0	5,760.08	73.8
1851	N567	5,594.00	100 Tract NW Zone	0.9	5,747.03	66.2
1856	J-43	5,559.00	100 Tract NW Zone	1.6	5,746.59	81.2
1880	Liberty Peak Elementary	5,458.15	100 Tract NW Zone	60.9	5,749.21	125.9
274	N444	5,584.00	100 Tract NE Zone	1.8	5,952.30	159.3
275	N531	5,732.00	100 Tract NE Zone	3.6	5,952.20	95.3
276	N505	5,728.00	100 Tract NE Zone	2.7	5,952.81	97.3
277	N507	5,763.00	100 Tract NE Zone	2.7	5,952.84	82.1
278	N495	5,739.00	100 Tract NE Zone	4.5	5,952.75	92.5
279	N480	5,737.00	100 Tract NE Zone	5.4	5,951.54	92.8
282	N526	5,773.00	100 Tract NE Zone	0.0	5,952.96	77.9
283	N434	5,742.00	100 Tract NE Zone	0.0	5,953.42	91.5
340	N456	5,572.10	100 Tract NE Zone	13.5	5,952.32	164.5
341	N487	5,769.40	100 Tract NE Zone	5.4	5,952.82	79.4
342	N530	5,761.80	100 Tract NE Zone	10.8	5,952.96	82.7
343	N511	5,668.00	100 Tract NE Zone	3.6	5,952.97	123.3
344	N497	5,735.30	100 Tract NE Zone	11.7	5,952.03	93.8
345	N476	5,736.20	100 Tract NE Zone	10.8	5,953.15	93.9
346	N436	5,715.00	100 Tract NE Zone	1.8	5,953.42	103.2
588	N528	5,764.60	100 Tract NE Zone	9.0	5,952.96	81.5
589	N521	5,746.10	100 Tract NE Zone	6.3	5,952.98	89.5
590	N518	5,739.50	100 Tract NE Zone	6.3	5,952.99	92.4
591	N482	5,749.00	100 Tract NE Zone	9.9	5,952.70	88.1
592	N472	5,737.40	100 Tract NE Zone	6.3	5,952.48	93.1
593	N525	5,744.00	100 Tract NE Zone	8.1	5,952.29	90.1
594	N516	5,743.30	100 Tract NE Zone	9.9	5,952.51	90.5
595	N510	5,753.40	100 Tract NE Zone	4.5	5,953.04	86.4
596	N501	5,724.90	100 Tract NE Zone	2.7	5,953.06	98.7
597	N491	5,754.40	100 Tract NE Zone	3.6	5,953.08	86.0
598	N445	5,739.90	100 Tract NE Zone	11.7	5,953.33	92.3
599	N429	5,732.10	100 Tract NE Zone	11.7	5,953.23	95.7
600	N499	5,726.20	100 Tract NE Zone	9.0	5,951.77	97.6
601	N479	5,757.10	100 Tract NE Zone	5.4	5,953.12	84.8
602	N470	5,736.80	100 Tract NE Zone	2.7	5,953.19	93.6
603	N461	5,755.10	100 Tract NE Zone	2.7	5,953.27	85.7
604	N451	5,725.20	100 Tract NE Zone	3.6	5,953.34	98.7
269	N289	5,641.00	100 Tract SE Zone	0.0	5,927.18	123.8
270	N228	5,605.00	100 Tract SE Zone	0.0	5,926.77	139.2
273	N339	5,662.00	100 Tract SE Zone	8.1	5,923.65	113.2
301	N362	5,712.00	100 Tract SE Zone	0.0	5,835.26	53.3

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
303	N371	5,733.00	100 Tract SE Zone	9.9	5,833.43	43.5
388	N314	5,628.10	100 Tract SE Zone	3.6	5,924.03	128.0
389	N353	5,730.70	100 Tract SE Zone	6.3	5,924.31	83.8
390	N389	5,558.60	100 Tract SE Zone	11.7	5,920.57	156.6
391	N322	5,703.80	100 Tract SE Zone	8.1	5,928.88	97.4
392	N269	5,685.10	100 Tract SE Zone	14.4	5,926.02	104.2
393	N231	5,653.00	100 Tract SE Zone	8.3	5,926.77	118.4
394	N311	5,702.60	100 Tract SE Zone	1.8	5,930.44	98.6
493	N271	5,598.80	100 Tract SE Zone	2.7	5,925.25	141.2
577	N300	5,702.60	100 Tract SE Zone	7.2	5,929.54	98.2
578	N279	5,699.27	100 Tract SE Zone	14.4	5,926.93	98.5
579	N246	5,629.58	100 Tract SE Zone	8.3	5,925.51	128.0
580	N275	5,603.74	100 Tract SE Zone	18.1	5,925.45	139.2
581	N351	5,707.90	100 Tract SE Zone	10.8	5,923.85	93.4
582	N344	5,708.20	100 Tract SE Zone	8.3	5,924.53	93.6
583	N361	5,651.90	100 Tract SE Zone	11.7	5,922.26	117.0
584	N347	5,594.10	100 Tract SE Zone	14.9	5,923.33	142.4
585	N327	5,664.40	100 Tract SE Zone	10.8	5,925.57	113.0
586	N324	5,703.00	100 Tract SE Zone	4.5	5,926.12	96.5
1776	N545	5,604.14	100 Tract SE Zone	0.0	5,926.77	139.6
1854	N568	5,644.00	100 Tract SE Zone	1.6	5,923.31	120.8
314	N116	5,393.00	300 Tract WEST Zone	0.0	5,798.32	175.4
363	N120	5,398.80	300 Tract WEST Zone	57.6	5,796.48	172.1
478	N124	5,408.20	300 Tract WEST Zone	0.0	5,796.30	167.9
479	N131	5,423.80	300 Tract WEST Zone	2.7	5,796.30	161.2
480	N132	5,408.50	300 Tract WEST Zone	6.3	5,796.32	167.8
481	N129	5,405.70	300 Tract WEST Zone	10.8	5,796.33	169.0
482	N126	5,398.30	300 Tract WEST Zone	3.6	5,796.35	172.2
483	N119	5,394.80	300 Tract WEST Zone	0.0	5,796.52	173.8
484	N114	5,453.60	300 Tract WEST Zone	2.7	5,795.88	148.1
485	N112	5,444.50	300 Tract WEST Zone	10.8	5,795.87	152.0
486	N110	5,480.00	300 Tract WEST Zone	15.3	5,793.60	135.7
487	N115	5,479.10	300 Tract WEST Zone	12.6	5,793.80	136.2
488	N100	5,331.20	300 Tract WEST Zone	1.8	5,794.04	200.2
489	N102	5,361.40	300 Tract WEST Zone	9.9	5,794.05	187.2
490	N106	5,422.90	300 Tract WEST Zone	11.7	5,794.31	160.7
499	N107	5,421.00	300 Tract WEST Zone	9.9	5,795.05	161.8
500	N108	5,445.17	300 Tract WEST Zone	12.6	5,795.22	151.5
501	N103	5,360.43	300 Tract WEST Zone	11.5	5,794.06	187.6
502	N101	5,361.92	300 Tract WEST Zone	8.3	5,793.75	186.8
503	N109	5,451.40	300 Tract WEST Zone	19.0	5,793.60	148.1
504	N111	5,484.73	300 Tract WEST Zone	8.3	5,793.75	133.7
505	N113	5,443.93	300 Tract WEST Zone	9.9	5,795.88	152.3
506	N118	5,397.74	300 Tract WEST Zone	0.9	5,796.93	172.7
507	N122	5,393.47	300 Tract WEST Zone	0.9	5,796.44	174.3
508	N121	5,393.47	300 Tract WEST Zone	2.7	5,796.44	174.3
509	N123	5,395.75	300 Tract WEST Zone	10.8	5,796.39	173.3
510	N125	5,397.50	300 Tract WEST Zone	2.7	5,796.35	172.6

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
511	N127	5,399.13	300 Tract WEST Zone	5.4	5,796.34	171.9
512	N128	5,402.12	300 Tract WEST Zone	5.4	5,796.33	170.6
513	N130	5,408.59	300 Tract WEST Zone	3.6	5,796.32	167.8
514	N135	5,407.46	300 Tract WEST Zone	0.9	5,796.32	168.2
687	N104	5,414.62	300 Tract WEST Zone	13.3	5,794.99	164.6
688	N105	5,414.00	300 Tract WEST Zone	14.4	5,794.99	164.8
1938	N569 (B&G Club)	5,395.41	300 Tract WEST Zone	1.6	5,796.60	173.6
266	N144	5,410.00	300 Tract NW Zone	0.0	5,811.22	173.6
296	N244	5,574.00	300 Tract NW Zone	0.0	5,889.81	136.6
457	N145	5,404.10	300 Tract NW Zone	0.0	5,820.41	180.1
458	N139	5,403.30	300 Tract NW Zone	0.0	5,817.79	179.3
459	N134	5,396.60	300 Tract NW Zone	1.8	5,815.31	181.2
460	N140	5,397.10	300 Tract NW Zone	5.4	5,812.36	179.7
471	N178	5,499.90	300 Tract NW Zone	16.2	5,834.09	144.6
472	N168	5,503.00	300 Tract NW Zone	8.1	5,858.74	153.9
473	N162	5,491.60	300 Tract NW Zone	12.6	5,856.04	157.7
474	N155	5,449.00	300 Tract NW Zone	6.3	5,838.75	168.6
475	N151	5,451.00	300 Tract NW Zone	9.0	5,832.54	165.1
477	N138	5,407.20	300 Tract NW Zone	0.9	5,823.16	180.0
496	N187	5,523.50	300 Tract NW Zone	8.1	5,872.77	151.1
515	N146	5,409.52	300 Tract NW Zone	0.9	5,823.16	179.0
641	N166	5,475.82	300 Tract NW Zone	10.8	5,832.97	154.5
642	N169	5,482.80	300 Tract NW Zone	9.9	5,834.44	152.1
643	N170	5,491.47	300 Tract NW Zone	11.5	5,858.67	158.9
644	N167	5,501.81	300 Tract NW Zone	2.7	5,858.74	154.4
645	N180	5,507.20	300 Tract NW Zone	8.1	5,864.41	154.5
646	N156	5,465.12	300 Tract NW Zone	9.9	5,850.82	166.9
647	N154	5,456.58	300 Tract NW Zone	2.7	5,844.28	167.7
648	N150	5,451.57	300 Tract NW Zone	4.5	5,837.54	167.0
649	N152	5,441.65	300 Tract NW Zone	1.8	5,830.78	168.4
650	N153	5,436.78	300 Tract NW Zone	9.9	5,827.32	169.0
662	N164	5,450.85	300 Tract NW Zone	7.2	5,803.37	152.5
663	N148	5,441.71	300 Tract NW Zone	3.6	5,823.56	165.2
683	N133	5,393.91	300 Tract NW Zone	16.0	5,811.90	180.8
684	Com136	5,396.17	300 Tract NW Zone	8.1	5,811.90	179.9
685	N141	5,397.55	300 Tract NW Zone	9.9	5,813.61	180.0
686	N137	5,397.03	300 Tract NW Zone	3.6	5,814.76	180.7
1718	J-3	5,449.16	300 Tract NW Zone	0.0	5,807.12	154.9
1721	Bawcom RE	5,449.00	300 Tract NW Zone	0.0	5,807.12	154.9
1723	J-5	5,429.02	300 Tract NW Zone	0.0	5,823.40	170.6
1726	Spring Creek Elementary	5,429.00	300 Tract NW Zone	9.7	5,823.40	170.6
1782	J-17	5,528.15	300 Tract NW Zone	0.0	5,874.33	149.8
268	N319	5,670.00	400 Tract LOWER Zone	0.0	5,900.80	99.9

GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan MDD 2027 Distribution System Junction Report
MDD - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
272	N380	5,759.30	400 Tract LOWER Zone	0.0	5,903.86	62.5
280	N477	5,787.00	400 Tract LOWER Zone	6.3	5,892.85	45.8
281	N466	5,758.00	400 Tract LOWER Zone	9.0	5,893.05	58.4
295	N243	5,577.00	400 Tract LOWER Zone	0.0	5,898.97	139.3
339	N441	5,799.70	400 Tract LOWER Zone	0.0	5,910.31	47.9
353	N425	5,683.00	400 Tract LOWER Zone	16.2	5,887.76	88.6
354	N378	5,718.50	400 Tract LOWER Zone	13.5	5,888.42	73.5
355	N365	5,714.40	400 Tract LOWER Zone	11.9	5,888.23	75.2
356	N418	5,728.40	400 Tract LOWER Zone	15.3	5,892.26	70.9
357	N358	5,665.10	400 Tract LOWER Zone	8.1	5,890.24	97.4
358	N401	5,724.60	400 Tract LOWER Zone	8.3	5,890.37	71.7
359	N420	5,735.70	400 Tract LOWER Zone	4.5	5,892.63	67.9
360	N387	5,708.80	400 Tract LOWER Zone	13.3	5,904.65	84.7
361	N416	5,779.10	400 Tract LOWER Zone	1.8	5,907.03	55.3
362	N415	5,779.10	400 Tract LOWER Zone	0.9	5,906.16	55.0
364	N413	5,773.00	400 Tract LOWER Zone	12.4	5,906.09	57.6
365	N391	5,741.50	400 Tract LOWER Zone	11.7	5,900.04	68.6
366	N372	5,738.30	400 Tract LOWER Zone	8.1	5,894.58	67.6
367	N354	5,740.30	400 Tract LOWER Zone	6.3	5,892.54	65.9
368	N350	5,719.50	400 Tract LOWER Zone	16.2	5,891.62	74.5
369	N428	5,782.10	400 Tract LOWER Zone	7.2	5,906.24	53.7
370	N419	5,796.10	400 Tract LOWER Zone	6.3	5,906.49	47.8
371	N405	5,778.70	400 Tract LOWER Zone	13.5	5,905.68	54.9
372	N392	5,758.40	400 Tract LOWER Zone	9.9	5,904.89	63.4
373	N388	5,764.20	400 Tract LOWER Zone	10.8	5,904.66	60.8
374	N364	5,733.00	400 Tract LOWER Zone	6.3	5,903.85	73.9
375	N376	5,710.40	400 Tract LOWER Zone	15.5	5,903.35	83.5
376	N342	5,645.40	400 Tract LOWER Zone	9.6	5,901.61	110.9
377	N333	5,677.10	400 Tract LOWER Zone	14.2	5,901.14	96.9
378	N297	5,634.50	400 Tract LOWER Zone	11.7	5,900.38	115.0
379	N281	5,593.00	400 Tract LOWER Zone	12.6	5,879.74	124.1
380	N255	5,590.70	400 Tract LOWER Zone	15.3	5,899.63	133.7
381	N282	5,594.00	400 Tract LOWER Zone	10.8	5,879.74	123.6
382	N316	5,617.60	400 Tract LOWER Zone	14.4	5,881.55	114.2
383	N346	5,652.70	400 Tract LOWER Zone	11.7	5,890.33	102.8
399	N438	5,798.30	400 Tract LOWER Zone	0.0	5,931.42	57.6
422	N459	5,811.00	400 Tract LOWER Zone	0.0	5,914.03	44.6
428	N460	5,811.00	400 Tract LOWER Zone	1.8	5,931.42	52.1
517	N430	5,771.70	400 Tract LOWER Zone	0.0	5,908.50	59.2
541	N435	5,760.00	400 Tract LOWER Zone	1.8	5,905.20	62.8
542	N443	5,761.00	400 Tract LOWER Zone	7.2	5,893.84	57.5
543	N452	5,758.60	400 Tract LOWER Zone	8.3	5,893.31	58.3
544	N439	5,733.10	400 Tract LOWER Zone	6.3	5,892.29	68.9
546	N377	5,682.60	400 Tract LOWER Zone	14.6	5,889.66	89.6
547	N400	5,711.90	400 Tract LOWER Zone	18.1	5,889.84	77.0
548	N422	5,719.60	400 Tract LOWER Zone	16.2	5,891.33	74.3
552	N373	5,679.50	400 Tract LOWER Zone	11.7	5,889.34	90.8
553	N385	5,664.50	400 Tract LOWER Zone	16.2	5,889.55	97.4

GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan MDD 2027 Distribution System Junction Report
MDD - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
554	N394	5,692.40	400 Tract LOWER Zone	7.2	5,889.92	85.5
555	N409	5,765.30	400 Tract LOWER Zone	8.1	5,887.97	53.1
556	N410	5,734.90	400 Tract LOWER Zone	7.2	5,887.88	66.2
557	N411	5,720.60	400 Tract LOWER Zone	8.1	5,887.82	72.3
558	N414	5,692.10	400 Tract LOWER Zone	9.0	5,887.78	84.7
559	N426	5,703.90	400 Tract LOWER Zone	4.5	5,887.77	79.6
560	N393	5,686.00	400 Tract LOWER Zone	14.6	5,888.28	87.5
561	N382	5,739.00	400 Tract LOWER Zone	12.6	5,904.21	71.5
562	N395	5,777.90	400 Tract LOWER Zone	7.2	5,905.28	55.1
563	N417	5,798.50	400 Tract LOWER Zone	1.8	5,906.26	46.6
564	N381	5,759.30	400 Tract LOWER Zone	7.2	5,904.13	62.7
565	N412	5,776.30	400 Tract LOWER Zone	3.6	5,905.74	56.0
566	N396	5,772.00	400 Tract LOWER Zone	11.7	5,901.82	56.2
567	N384	5,749.50	400 Tract LOWER Zone	13.5	5,896.84	63.7
568	N363	5,734.00	400 Tract LOWER Zone	9.0	5,893.04	68.8
569	N349	5,673.40	400 Tract LOWER Zone	4.5	5,890.66	94.0
570	N299	5,617.26	400 Tract LOWER Zone	16.2	5,880.63	113.9
571	N283	5,597.10	400 Tract LOWER Zone	5.4	5,879.82	122.3
572	N329	5,628.94	400 Tract LOWER Zone	14.6	5,883.20	110.0
1755	J-10	5,788.87	400 Tract LOWER Zone	0.0	5,906.70	51.0
1789	N549	5,593.80	400 Tract LOWER Zone	0.0	5,899.63	132.3
1792	N551	5,632.42	400 Tract LOWER Zone	0.0	5,880.63	107.4
1795	N552	5,668.14	400 Tract LOWER Zone	0.0	5,883.20	93.0
1798	N553	5,646.69	400 Tract LOWER Zone	0.0	5,904.65	111.6
1801	N550	5,717.38	400 Tract LOWER Zone	0.0	5,901.14	79.5
1810	N555	5,658.49	400 Tract LOWER Zone	0.0	5,889.34	99.9
1813	N556	5,668.83	400 Tract LOWER Zone	0.0	5,888.23	94.9
1834	N563	5,803.47	400 Tract LOWER Zone	0.0	5,893.31	38.9
287	N532	5,888.00	400 Tract UPPER Zone	9.0	6,068.45	78.1
321	N529	5,908.20	400 Tract UPPER Zone	2.7	6,075.33	72.3
322	N503	5,874.10	400 Tract UPPER Zone	9.9	6,067.64	83.7
323	N465	5,812.90	400 Tract UPPER Zone	11.7	6,066.54	109.7
324	N469	5,804.70	400 Tract UPPER Zone	7.2	6,066.56	113.3
325	N474	5,810.50	400 Tract UPPER Zone	7.2	6,066.51	110.8
326	N481	5,832.90	400 Tract UPPER Zone	9.9	6,066.52	101.1
327	N509	5,851.80	400 Tract UPPER Zone	4.5	6,064.84	92.2
328	N517	5,873.00	400 Tract UPPER Zone	10.8	6,065.45	83.3
329	N442	5,793.20	400 Tract UPPER Zone	5.4	6,056.36	113.9
330	N458	5,813.40	400 Tract UPPER Zone	9.0	6,056.60	105.2
331	N468	5,815.50	400 Tract UPPER Zone	5.4	6,056.83	104.4
332	N489	5,825.80	400 Tract UPPER Zone	4.5	6,057.46	100.2
333	N486	5,824.10	400 Tract UPPER Zone	6.3	6,057.19	100.8
334	N500	5,802.50	400 Tract UPPER Zone	18.1	6,055.53	109.5
335	N506	5,798.10	400 Tract UPPER Zone	7.2	6,016.89	94.7
336	N519	5,793.40	400 Tract UPPER Zone	13.5	5,988.27	84.3
337	N498	5,778.30	400 Tract UPPER Zone	17.1	5,987.12	90.3
516	N454	5,809.90	400 Tract UPPER Zone	0.0	6,066.53	111.0
518	N440	5,799.80	400 Tract UPPER Zone	4.5	6,066.53	115.4

GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan MDD 2027 Distribution System Junction Report
MDD - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
519	N478	5,821.50	400 Tract UPPER Zone	8.1	6,066.64	106.1
520	N508	5,882.00	400 Tract UPPER Zone	9.9	6,067.56	80.3
523	N513	5,785.40	400 Tract UPPER Zone	8.1	5,987.32	87.4
524	N504	5,769.70	400 Tract UPPER Zone	11.7	5,986.00	93.6
525	N488	5,756.90	400 Tract UPPER Zone	3.6	5,984.75	98.6
526	N514	5,817.00	400 Tract UPPER Zone	17.1	6,017.15	86.6
527	N523	5,838.40	400 Tract UPPER Zone	8.1	6,024.17	80.4
528	N524	5,848.00	400 Tract UPPER Zone	9.9	6,055.10	89.6
529	N515	5,835.10	400 Tract UPPER Zone	7.2	6,055.18	95.2
530	N496	5,835.80	400 Tract UPPER Zone	16.9	6,061.74	97.8
531	N512	5,860.00	400 Tract UPPER Zone	1.8	6,065.07	88.7
532	N527	5,896.60	400 Tract UPPER Zone	9.0	6,068.45	74.4
533	N450	5,799.00	400 Tract UPPER Zone	8.3	6,066.59	115.8
534	N463	5,819.00	400 Tract UPPER Zone	10.8	6,066.59	107.1
535	N484	5,864.10	400 Tract UPPER Zone	18.1	6,066.85	87.7
536	N493	5,865.50	400 Tract UPPER Zone	13.5	6,067.00	87.2
537	N494	5,860.00	400 Tract UPPER Zone	9.0	6,066.91	89.5
538	N492	5,820.70	400 Tract UPPER Zone	1.8	6,066.46	106.3
539	N502	5,842.50	400 Tract UPPER Zone	9.9	6,066.43	96.9
540	N520	5,896.10	400 Tract UPPER Zone	9.2	6,070.79	75.6
1819	N558	5,807.46	400 Tract UPPER Zone	0.0	6,056.60	107.8
1825	N560	5,804.27	400 Tract UPPER Zone	0.0	6,057.19	109.4
1828	N561	5,791.09	400 Tract UPPER Zone	0.0	6,066.51	119.2
1831	N562	5,808.06	400 Tract UPPER Zone	0.0	6,066.51	111.8
1837	N565	5,785.17	400 Tract UPPER Zone	0.0	6,055.53	117.0
1843	N566	5,788.09	400 Tract UPPER Zone	0.0	5,987.12	86.1
1846	J-38	5,794.14	400 Tract UPPER Zone	0.0	6,066.59	117.9
305	N278	5,617.00	400 Tract SE Zone	5.4	5,922.42	132.1
306	N320	5,636.50	400 Tract SE Zone	5.4	5,922.41	123.7
384	N290	5,625.20	400 Tract SE Zone	9.0	5,922.45	128.6
385	N287	5,634.80	400 Tract SE Zone	6.3	5,923.47	124.9
386	N291	5,624.90	400 Tract SE Zone	4.5	5,924.05	129.4
387	N273	5,571.20	400 Tract SE Zone	5.4	5,924.78	153.0
491	N334	5,593.50	400 Tract SE Zone	5.4	5,924.44	143.2
492	N274	5,586.50	400 Tract SE Zone	1.8	5,925.23	146.6
573	N340	5,656.80	400 Tract SE Zone	14.4	5,923.97	115.6
574	N307	5,666.00	400 Tract SE Zone	6.3	5,924.02	111.6
575	N247	5,588.64	400 Tract SE Zone	5.4	5,923.42	144.8
576	N272	5,578.80	400 Tract SE Zone	6.3	5,925.03	149.8
1785	N548	5,574.00	400 Tract SE Zone	0.0	5,925.03	151.9
1807	N554	5,653.33	400 Tract SE Zone	0.9	5,923.96	117.1
338	N467	5,728.30	400 Tract MID Zone	5.4	5,891.53	70.6
348	N462	5,805.00	400 Tract MID Zone	6.3	5,888.14	36.0
349	N464	5,756.90	400 Tract MID Zone	5.4	5,888.22	56.8
350	N446	5,793.70	400 Tract MID Zone	5.4	5,888.37	41.0
351	N453	5,734.30	400 Tract MID Zone	10.8	5,889.04	66.9
352	N433	5,706.90	400 Tract MID Zone	6.3	5,890.24	79.3
445	N485	5,755.10	400 Tract MID Zone	8.1	5,894.62	60.4

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan MDD 2027 Distribution System Junction Report
MDD - Time: 0.00 hours**

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
476	N447	5,770.60	400 Tract MID Zone	14.2	5,888.48	51.0
521	N483	5,765.00	400 Tract MID Zone	18.1	5,891.74	54.8
522	N473	5,738.70	400 Tract MID Zone	18.1	5,892.24	66.4
545	N475	5,780.90	400 Tract MID Zone	15.3	5,887.81	46.3
549	N432	5,725.80	400 Tract MID Zone	16.2	5,889.97	71.0
550	N449	5,720.30	400 Tract MID Zone	6.3	5,890.34	73.6
551	N437	5,716.00	400 Tract MID Zone	5.4	5,890.28	75.4
1816	N557	5,720.13	400 Tract MID Zone	0.0	5,889.97	73.5
1822	N559	5,793.19	400 Tract MID Zone	0.0	5,887.81	40.9
1840	N564	5,781.39	400 Tract MID Zone	0.0	5,891.74	47.7

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan MDD + Fire Distribution System Junction Report
Fire Flow - Time: 0.00 hours**

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N144	300 Tract NW Zone	True	1,000.0	0.0	1,000.0	2,594.1	2.4
N288	100 Tract NW Zone	True	1,000.0	0.0	1,000.0	4,000.0	16.7
N319	400 Tract LOWER Zone	True	1,000.0	0.0	1,000.0	2,701.5	-0.1
N380	400 Tract LOWER Zone	True	1,000.0	0.0	1,000.0	2,366.0	7.3
N434	100 Tract NE Zone	True	1,000.0	0.0	1,000.0	1,442.6	7.3
N532	400 Tract UPPER Zone	True	1,000.0	9.0	1,009.0	1,881.4	20.6
N243	400 Tract LOWER Zone	True	1,000.0	0.0	1,000.0	3,040.5	-21.0
N244	300 Tract NW Zone	True	1,000.0	0.0	1,000.0	1,751.3	19.8
N369 - IRRG	100 Tract NW Zone	True	1,000.0	57.6	1,057.6	4,057.6	38.9
N116	300 Tract WEST Zone	True	1,000.0	0.0	1,000.0	1,731.1	-13.8
N227	100 Tract NW Zone	True	1,000.0	11.7	1,011.7	1,188.7	41.7
N529	400 Tract UPPER Zone	True	1,000.0	2.7	1,002.7	2,901.7	24.3
N441	400 Tract LOWER Zone	True	1,000.0	0.0	1,000.0	2,165.9	7.3
N476	100 Tract NE Zone	True	1,000.0	10.8	1,010.8	1,415.0	4.0
N436	100 Tract NE Zone	True	1,000.0	1.8	1,001.8	1,559.6	-5.3
N416	400 Tract LOWER Zone	True	1,000.0	1.8	1,001.8	2,167.2	5.1
N415	400 Tract LOWER Zone	True	1,000.0	0.9	1,000.9	1,694.5	6.4
N120	300 Tract WEST Zone	True	1,500.0	57.6	1,557.6	1,840.6	-4.7
N413	400 Tract LOWER Zone	True	1,000.0	12.4	1,012.4	1,824.7	4.3
N419	400 Tract LOWER Zone	True	1,000.0	6.3	1,006.3	1,923.4	7.3
N405	400 Tract LOWER Zone	True	1,000.0	13.5	1,013.5	2,029.4	7.3
N388	400 Tract LOWER Zone	True	1,000.0	10.8	1,010.8	2,056.1	7.3
N376	400 Tract LOWER Zone	True	1,000.0	15.5	1,015.5	2,724.2	-1.2
N342	400 Tract LOWER Zone	True	1,000.0	9.6	1,009.6	2,950.7	-11.0

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan MDD + Fire Distribution System Junction Report
Fire Flow - Time: 0.00 hours**

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N333	400 Tract LOWER Zone	True	1,000.0	14.2	1,014.2	2,707.6	0.1
N297	400 Tract LOWER Zone	True	1,000.0	11.7	1,011.7	2,878.2	-9.1
N255	400 Tract LOWER Zone	True	1,000.0	15.3	1,015.3	3,033.3	-19.6
N399	100 Tract NW Zone	True	1,500.0	8.1	1,508.1	3,452.5	10.3
N404	100 Tract NW Zone	True	1,000.0	2.7	1,002.7	4,002.7	26.8
N374	100 Tract NW Zone	True	1,000.0	6.3	1,006.3	4,006.3	38.9
N302(IRRG)	100 Tract NW Zone	True	1,500.0	56.7	1,556.7	3,811.2	16.1
N292	100 Tract NW Zone	True	1,000.0	0.0	1,000.0	2,098.6	46.3
N308	100 Tract NW Zone	True	1,000.0	1.8	1,001.8	4,001.8	8.6
N312	100 Tract NW Zone	True	1,000.0	3.6	1,003.6	4,003.6	10.9
N330	100 Tract NW Zone	True	1,000.0	17.1	1,017.1	1,051.4	-9.8
N325	100 Tract NW Zone	True	1,000.0	6.1	1,006.1	1,218.5	-5.6
N317	100 Tract NW Zone	True	1,000.0	9.0	1,009.0	1,736.8	25.3
N309	100 Tract NW Zone	True	1,000.0	5.4	1,005.4	4,005.4	35.6
N343	100 Tract NW Zone	True	1,000.0	14.4	1,014.4	4,014.4	37.7
N370	100 Tract NW Zone	True	1,000.0	9.0	1,009.0	4,009.0	38.9
N360	100 Tract NW Zone	True	1,000.0	10.8	1,010.8	3,947.5	19.8
N357	100 Tract NW Zone	True	1,000.0	9.0	1,009.0	3,798.6	30.6
N355	100 Tract NW Zone	True	1,000.0	2.7	1,002.7	3,680.5	24.4
N240	100 Tract NW Zone	True	1,000.0	17.1	1,017.1	1,073.0	43.2
N277	100 Tract NW Zone	True	1,000.0	14.4	1,014.4	1,111.0	43.0
N260	100 Tract NW Zone	True	1,000.0	10.8	1,010.8	4,010.8	23.3
N256	100 Tract NW Zone	True	1,000.0	3.6	1,003.6	4,003.6	25.2
N249	100 Tract NW Zone	True	1,000.0	8.3	1,008.3	4,008.3	27.7

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan MDD + Fire Distribution System Junction Report
Fire Flow - Time: 0.00 hours**

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N459	400 Tract LOWER Zone	True	1,000.0	0.0	1,000.0	1,994.2	7.2
N257	100 Tract NW Zone	True	1,000.0	9.0	1,009.0	4,009.0	31.5
N253	100 Tract NW Zone	True	1,000.0	3.6	1,003.6	3,401.0	36.0
N239	100 Tract NW Zone	True	1,000.0	5.4	1,005.4	3,245.4	16.7
N236	100 Tract NW Zone	True	1,500.0	13.5	1,513.5	3,539.4	25.0
N262	100 Tract NW Zone	True	1,000.0	5.4	1,005.4	3,920.0	29.6
N304	100 Tract NW Zone	True	1,000.0	9.0	1,009.0	3,571.3	34.8
N326	100 Tract NW Zone	True	1,000.0	2.7	1,002.7	2,812.3	13.4
N337	100 Tract NW Zone	True	1,000.0	4.5	1,004.5	2,602.4	20.0
N331	100 Tract NW Zone	True	1,000.0	15.3	1,015.3	1,779.3	19.5
N267	100 Tract NW Zone	True	1,000.0	13.5	1,013.5	1,022.8	20.4
N179	100 Tract NW Zone	True	1,000.0	18.1	1,018.1	1,276.3	42.0
N199	100 Tract NW Zone	True	1,000.0	12.6	1,012.6	1,166.9	42.3
N194	100 Tract NW Zone	True	1,000.0	10.8	1,010.8	2,547.4	37.2
N219	100 Tract NW Zone	True	1,000.0	15.3	1,015.3	2,876.4	36.1
N210	100 Tract NW Zone	True	1,000.0	11.7	1,011.7	1,228.4	41.7
N212(IRRG)	100 Tract NW Zone	True	1,000.0	71.1	1,071.1	1,390.1	41.1
N213	100 Tract NW Zone	True	1,000.0	12.6	1,012.6	1,158.0	31.4
N217	100 Tract NW Zone	True	1,000.0	15.3	1,015.3	1,064.5	42.5
N258	100 Tract NW Zone	True	1,000.0	2.7	1,002.7	4,002.7	24.3
N250	100 Tract NW Zone	True	1,000.0	14.4	1,014.4	4,014.4	20.6
N216	100 Tract NW Zone	True	1,000.0	11.7	1,011.7	3,188.8	-11.0
N204	100 Tract NW Zone	True	1,000.0	16.2	1,016.2	3,178.4	-22.9
N193	100 Tract NW Zone	True	1,000.0	5.4	1,005.4	2,892.0	2.0

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan MDD + Fire Distribution System Junction Report
Fire Flow - Time: 0.00 hours**

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N183	100 Tract NW Zone	True	1,000.0	7.0	1,007.0	3,137.9	-7.6
N158	100 Tract NW Zone	True	1,000.0	4.5	1,004.5	1,621.3	17.9
N145	300 Tract NW Zone	True	1,000.0	0.0	1,000.0	2,656.7	-15.8
N139	300 Tract NW Zone	True	1,000.0	0.0	1,000.0	2,632.3	-9.3
N134	300 Tract NW Zone	True	1,000.0	1.8	1,001.8	2,652.2	-7.3
N140	300 Tract NW Zone	True	1,000.0	5.4	1,005.4	2,671.2	-4.5
N172	100 Tract NW Zone	True	1,000.0	11.7	1,011.7	2,871.2	6.5
N173	100 Tract NW Zone	True	1,000.0	11.7	1,011.7	1,300.2	41.7
N175	100 Tract NW Zone	True	1,000.0	2.7	1,002.7	2,901.4	4.4
N181	100 Tract NW Zone	True	1,000.0	10.8	1,010.8	1,371.7	41.2
N192	100 Tract NW Zone	True	1,000.0	4.5	1,004.5	2,446.9	-30.9
N165	100 Tract NW Zone	True	1,000.0	8.1	1,008.1	2,808.5	10.1
N168	300 Tract NW Zone	True	1,000.0	8.1	1,008.1	1,148.2	23.9
N155	300 Tract NW Zone	True	1,000.0	6.3	1,006.3	2,496.4	-26.4
N151	300 Tract NW Zone	True	1,000.0	9.0	1,009.0	2,539.1	-24.6
N138	300 Tract NW Zone	True	1,000.0	0.9	1,000.9	2,594.6	-14.9
N132	300 Tract WEST Zone	True	1,500.0	6.3	1,506.3	2,755.4	-7.3
N129	300 Tract WEST Zone	True	1,000.0	10.8	1,010.8	2,492.3	-9.4
N126	300 Tract WEST Zone	True	1,000.0	3.6	1,003.6	2,300.7	-13.6
N119	300 Tract WEST Zone	True	1,000.0	0.0	1,000.0	1,946.1	-18.0
N112	300 Tract WEST Zone	True	1,000.0	10.8	1,010.8	1,261.7	1.7
N187	300 Tract NW Zone	True	1,000.0	8.1	1,008.1	2,021.7	0.6
N107	300 Tract WEST Zone	True	1,000.0	9.9	1,009.9	1,032.5	10.2
N108	300 Tract WEST Zone	True	1,000.0	12.6	1,012.6	1,072.9	7.4

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan MDD + Fire Distribution System Junction Report
Fire Flow - Time: 0.00 hours**

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N113	300 Tract WEST Zone	True	1,000.0	9.9	1,009.9	1,266.9	1.4
N118	300 Tract WEST Zone	True	1,000.0	0.9	1,000.9	1,769.0	-19.0
N122	300 Tract WEST Zone	True	1,000.0	0.9	1,000.9	1,967.2	-3.7
N121	300 Tract WEST Zone	True	1,000.0	2.7	1,002.7	2,107.8	-17.3
N123	300 Tract WEST Zone	True	1,000.0	10.8	1,010.8	2,188.2	-15.5
N125	300 Tract WEST Zone	True	1,000.0	2.7	1,002.7	2,199.5	-2.5
N127	300 Tract WEST Zone	True	1,000.0	5.4	1,005.4	2,346.7	-12.9
N128	300 Tract WEST Zone	True	1,000.0	5.4	1,005.4	2,405.6	-11.3
N130	300 Tract WEST Zone	True	1,000.0	3.6	1,003.6	2,637.9	-7.6
N135	300 Tract WEST Zone	True	1,000.0	0.9	1,000.9	2,889.7	-7.4
N146	300 Tract NW Zone	True	1,000.0	0.9	1,000.9	2,691.1	-24.5
N430	400 Tract LOWER Zone	True	1,000.0	0.0	1,000.0	2,339.9	1.3
N527	400 Tract UPPER Zone	True	1,000.0	9.0	1,009.0	1,872.9	25.8
N520	400 Tract UPPER Zone	True	1,000.0	9.2	1,009.2	1,212.8	26.0
N395	400 Tract LOWER Zone	True	1,000.0	7.2	1,007.2	1,990.0	7.3
N417	400 Tract LOWER Zone	True	1,000.0	1.8	1,001.8	1,868.8	7.3
N381	400 Tract LOWER Zone	True	1,000.0	7.2	1,007.2	2,036.8	7.3
N412	400 Tract LOWER Zone	True	1,000.0	3.6	1,003.6	1,492.2	7.3
N305	100 Tract NW Zone	True	1,000.0	5.4	1,005.4	4,005.4	24.8
N521	100 Tract NE Zone	True	1,000.0	6.3	1,006.3	1,111.1	8.4
N518	100 Tract NE Zone	True	1,000.0	6.3	1,006.3	1,189.5	5.5
N510	100 Tract NE Zone	True	1,000.0	4.5	1,004.5	1,271.5	11.5
N501	100 Tract NE Zone	True	1,000.0	2.7	1,002.7	1,397.3	-0.9
N491	100 Tract NE Zone	True	1,000.0	3.6	1,003.6	1,300.5	11.9

GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan MDD + Fire Distribution System Junction Report
Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N445	100 Tract NE Zone	True	1,000.0	11.7	1,011.7	1,331.3	17.8
N479	100 Tract NE Zone	True	1,000.0	5.4	1,005.4	1,314.4	13.1
N470	100 Tract NE Zone	True	1,000.0	2.7	1,002.7	1,415.8	4.2
N461	100 Tract NE Zone	True	1,000.0	2.7	1,002.7	1,360.9	12.1
N451	100 Tract NE Zone	True	1,000.0	3.6	1,003.6	1,502.6	-0.8
N280	100 Tract NW Zone	True	1,000.0	9.9	1,009.9	2,554.7	38.1
N222	100 Tract NW Zone	True	1,000.0	3.6	1,003.6	3,267.0	-5.6
N220	100 Tract NW Zone	True	1,000.0	17.1	1,017.1	3,517.9	-1.3
N254	100 Tract NW Zone	True	1,000.0	3.6	1,003.6	4,003.6	25.8
N242	100 Tract NW Zone	True	1,000.0	12.6	1,012.6	4,012.6	10.2
N270	100 Tract NW Zone	True	1,000.0	12.6	1,012.6	4,012.6	29.3
N259	100 Tract NW Zone	True	1,000.0	9.9	1,009.9	4,009.9	29.7
N276	100 Tract NW Zone	True	1,000.0	7.2	1,007.2	2,740.7	37.7
N315	100 Tract NW Zone	True	1,000.0	11.5	1,011.5	1,822.7	34.8
N402	100 Tract NW Zone	True	1,000.0	17.1	1,017.1	4,017.1	15.1
N379	100 Tract NW Zone	True	1,000.0	12.6	1,012.6	4,012.6	39.1
N366	100 Tract NW Zone	True	1,000.0	8.1	1,008.1	4,008.1	26.6
N352	100 Tract NW Zone	True	1,000.0	3.6	1,003.6	4,003.6	38.4
N332	100 Tract NW Zone	True	1,000.0	19.9	1,019.9	4,019.9	36.6
N313	100 Tract NW Zone	True	1,000.0	6.3	1,006.3	3,520.7	37.1
N306	100 Tract NW Zone	True	1,000.0	5.4	1,005.4	4,005.4	35.1
N298	100 Tract NW Zone	True	1,000.0	13.5	1,013.5	4,013.5	34.3
N268	100 Tract NW Zone	True	1,000.0	3.6	1,003.6	4,003.6	33.0
N265	100 Tract NW Zone	True	1,000.0	0.9	1,000.9	3,958.0	27.0

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan MDD + Fire Distribution System Junction Report
Fire Flow - Time: 0.00 hours**

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N261	100 Tract NW Zone	True	1,000.0	13.5	1,013.5	4,013.5	25.6
N248	100 Tract NW Zone	True	1,000.0	1.8	1,001.8	3,143.6	37.0
N232	100 Tract NW Zone	True	1,000.0	4.5	1,004.5	1,851.7	26.8
N233	100 Tract NW Zone	True	1,000.0	4.5	1,004.5	2,235.8	19.3
N241	100 Tract NW Zone	True	1,000.0	3.4	1,003.4	3,525.1	31.9
N266	100 Tract NW Zone	True	1,000.0	9.2	1,009.2	4,009.2	33.0
N201	100 Tract NW Zone	True	1,000.0	9.9	1,009.9	2,913.0	-0.4
N196	100 Tract NW Zone	True	1,000.0	8.1	1,008.1	3,025.8	-11.9
N197	100 Tract NW Zone	True	1,000.0	9.9	1,009.9	3,053.6	-17.2
N195	100 Tract NW Zone	True	1,000.0	7.2	1,007.2	3,129.8	-34.1
N191	100 Tract NW Zone	True	1,000.0	6.3	1,006.3	1,777.4	-24.9
N198	100 Tract NW Zone	True	1,000.0	10.6	1,010.6	1,344.0	-16.1
N177	100 Tract NW Zone	True	1,000.0	14.4	1,014.4	1,288.5	41.6
N174	100 Tract NW Zone	True	1,000.0	9.2	1,009.2	1,135.4	42.5
N170	300 Tract NW Zone	True	1,000.0	11.5	1,011.5	2,214.0	-10.9
N167	300 Tract NW Zone	True	1,000.0	2.7	1,002.7	1,146.0	22.8
N180	300 Tract NW Zone	True	1,000.0	8.1	1,008.1	2,119.0	-4.8
N156	300 Tract NW Zone	True	1,000.0	9.9	1,009.9	2,360.2	-21.2
N154	300 Tract NW Zone	True	1,000.0	2.7	1,002.7	2,426.3	-23.9
N150	300 Tract NW Zone	True	1,000.0	4.5	1,004.5	2,493.2	-25.1
N152	300 Tract NW Zone	True	1,000.0	1.8	1,001.8	2,584.6	-28.4
N153	300 Tract NW Zone	True	1,000.0	9.9	1,009.9	2,643.9	-30.1
N294	100 Tract NW Zone	True	1,000.0	6.3	1,006.3	3,321.8	37.7
N251	100 Tract NW Zone	True	1,000.0	5.4	1,005.4	3,141.1	37.1

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan MDD + Fire Distribution System Junction Report
Fire Flow - Time: 0.00 hours**

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
Com284	100 Tract NW Zone	True	1,500.0	3.6	1,503.6	3,338.1	25.1
N237	100 Tract NW Zone	True	1,500.0	15.3	1,515.3	3,579.6	22.6
Com230	100 Tract NW Zone	True	1,500.0	11.7	1,511.7	3,157.1	36.4
N209	100 Tract NW Zone	True	1,000.0	12.6	1,012.6	2,621.5	35.9
N202	100 Tract NW Zone	True	1,000.0	9.0	1,009.0	2,399.3	38.6
N186	100 Tract NW Zone	True	1,000.0	14.4	1,014.4	1,082.8	43.0
N184	100 Tract NW Zone	True	1,000.0	6.3	1,006.3	3,010.7	-2.1
N185	100 Tract NW Zone	True	1,000.0	6.3	1,006.3	2,706.6	21.0
N176	100 Tract NW Zone	True	1,000.0	10.8	1,010.8	2,964.4	1.3
N164	300 Tract NW Zone	True	1,000.0	7.2	1,007.2	2,790.2	-12.9
N148	300 Tract NW Zone	True	1,000.0	3.6	1,003.6	2,654.8	-27.4
N403	100 Tract NW Zone	True	1,000.0	5.4	1,005.4	4,005.4	45.0
N390	100 Tract NW Zone	True	1,000.0	12.6	1,012.6	2,624.2	44.9
N383	100 Tract NW Zone	True	1,000.0	10.8	1,010.8	2,374.6	44.3
N356	100 Tract NW Zone	True	1,000.0	16.2	1,016.2	3,705.2	23.1
N328	100 Tract NW Zone	True	1,000.0	0.0	1,000.0	2,449.7	24.0
N345	100 Tract NW Zone	True	1,000.0	16.2	1,016.2	2,741.9	39.9
N335	100 Tract NW Zone	True	1,000.0	0.9	1,000.9	2,345.2	19.9
N323	100 Tract NW Zone	True	1,000.0	11.7	1,011.7	1,025.3	23.9
N211	100 Tract NW Zone	True	1,000.0	16.2	1,016.2	1,155.0	36.3
N171	100 Tract NW Zone	True	1,000.0	4.5	1,004.5	1,469.9	40.9
N161	100 Tract NW Zone	True	1,000.0	5.4	1,005.4	1,519.4	37.1
N157	100 Tract NW Zone	True	1,000.0	13.5	1,013.5	1,798.8	38.2
N159	100 Tract NW Zone	True	1,000.0	11.7	1,011.7	2,122.6	28.6

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan MDD + Fire Distribution System Junction Report
Fire Flow - Time: 0.00 hours**

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N160	100 Tract NW Zone	True	1,000.0	8.1	1,008.1	2,476.6	24.8
N133	300 Tract NW Zone	True	1,000.0	16.0	1,016.0	2,418.5	16.8
Com136	300 Tract NW Zone	True	1,500.0	8.1	1,508.1	2,667.9	-3.6
N141	300 Tract NW Zone	True	1,000.0	9.9	1,009.9	2,662.7	-5.1
N137	300 Tract NW Zone	True	1,500.0	3.6	1,503.6	2,653.2	-6.5
N105	300 Tract WEST Zone	True	1,000.0	14.4	1,014.4	1,016.9	11.8
J-1	100 Tract NW Zone	True	1,000.0	0.9	1,000.9	2,924.7	2.9
Church-LDS	100 Tract NW Zone	True	1,500.0	0.0	1,500.0	2,828.4	7.8
J-3	300 Tract NW Zone	True	1,000.0	0.0	1,000.0	2,730.8	-13.5
Bawcom RE	300 Tract NW Zone	True	1,500.0	0.0	1,500.0	2,630.8	-4.5
J-5	300 Tract NW Zone	True	1,000.0	0.0	1,000.0	2,662.5	-25.6
Spring Creek Elementary	300 Tract NW Zone	True	1,500.0	9.7	1,509.7	2,526.0	-11.0
J-7	100 Tract NW Zone	True	1,500.0	0.0	1,500.0	3,301.2	19.9
J-8	100 Tract NW Zone	True	1,500.0	5.2	1,505.2	2,762.2	38.2
J-10	400 Tract LOWER Zone	True	1,000.0	0.0	1,000.0	1,348.6	7.3
J-17	300 Tract NW Zone	True	1,000.0	0.0	1,000.0	1,989.0	2.4
J-43	100 Tract NW Zone	True	1,000.0	1.6	1,001.6	1,210.5	45.4
Liberty Peak Elementary	100 Tract NW Zone	True	3,250.0	60.9	3,310.9	3,736.2	34.8
N569 (B&G Club)	300 Tract WEST Zone	True	1,875.0	1.6	1,876.6	1,906.0	-18.3
N289	100 Tract SE Zone	False	1,000.0	0.0	1,000.0	713.2	11.7
N228	100 Tract SE Zone	False	1,000.0	0.0	1,000.0	187.1	45.9
N339	100 Tract SE Zone	False	1,000.0	8.1	1,008.1	158.8	47.1

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan MDD + Fire Distribution System Junction Report
Fire Flow - Time: 0.00 hours**

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N444	100 Tract NE Zone	False	1,000.0	1.8	1,001.8	253.3	75.6
N531	100 Tract NE Zone	False	1,000.0	3.6	1,003.6	172.5	61.3
N505	100 Tract NE Zone	False	1,000.0	2.7	1,002.7	218.9	51.5
N507	100 Tract NE Zone	False	1,000.0	2.7	1,002.7	322.1	30.4
N495	100 Tract NE Zone	False	1,000.0	4.5	1,004.5	203.1	55.9
N480	100 Tract NE Zone	False	1,000.0	5.4	1,005.4	152.8	72.0
N477	400 Tract LOWER Zone	False	1,000.0	6.3	1,006.3	127.9	7.4
N466	400 Tract LOWER Zone	False	1,000.0	9.0	1,009.0	302.6	7.4
N526	100 Tract NE Zone	False	1,000.0	0.0	1,000.0	849.7	32.7
N362	100 Tract SE Zone	False	1,000.0	0.0	1,000.0	301.2	10.2
N371	100 Tract SE Zone	False	1,000.0	9.9	1,009.9	63.2	53.9
N338	100 Tract NW Zone	False	1,000.0	10.8	1,010.8	648.6	45.5
N278	400 Tract SE Zone	False	1,000.0	5.4	1,005.4	238.5	24.8
N320	400 Tract SE Zone	False	1,000.0	5.4	1,005.4	222.6	40.2
N235	100 Tract NW Zone	False	1,000.0	6.3	1,006.3	690.6	36.8
N203	100 Tract NW Zone	False	1,000.0	2.7	1,002.7	538.2	23.1
N503	400 Tract UPPER Zone	False	1,000.0	9.9	1,009.9	874.1	16.6
N465	400 Tract UPPER Zone	False	1,000.0	11.7	1,011.7	737.6	21.4
N469	400 Tract UPPER Zone	False	1,000.0	7.2	1,007.2	809.7	16.5
N474	400 Tract UPPER Zone	False	1,000.0	7.2	1,007.2	734.6	21.1
N481	400 Tract UPPER Zone	False	1,000.0	9.9	1,009.9	764.5	29.5
N509	400 Tract UPPER Zone	False	1,000.0	4.5	1,004.5	833.9	26.9
N517	400 Tract UPPER Zone	False	1,000.0	10.8	1,010.8	775.7	37.7
N442	400 Tract UPPER Zone	False	1,000.0	5.4	1,005.4	168.7	71.8

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan MDD + Fire Distribution System Junction Report
Fire Flow - Time: 0.00 hours**

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N458	400 Tract UPPER Zone	False	1,000.0	9.0	1,009.0	277.7	22.6
N468	400 Tract UPPER Zone	False	1,000.0	5.4	1,005.4	325.7	20.8
N489	400 Tract UPPER Zone	False	1,000.0	4.5	1,004.5	534.3	23.2
N486	400 Tract UPPER Zone	False	1,000.0	6.3	1,006.3	530.2	24.9
N500	400 Tract UPPER Zone	False	1,000.0	18.1	1,018.1	554.8	27.5
N506	400 Tract UPPER Zone	False	1,000.0	7.2	1,007.2	163.5	49.8
N519	400 Tract UPPER Zone	False	1,000.0	13.5	1,013.5	190.3	23.5
N498	400 Tract UPPER Zone	False	1,000.0	17.1	1,017.1	197.5	16.2
N467	400 Tract MID Zone	False	1,000.0	5.4	1,005.4	209.9	-14.4
N456	100 Tract NE Zone	False	1,000.0	13.5	1,013.5	380.2	15.3
N487	100 Tract NE Zone	False	1,000.0	5.4	1,005.4	544.6	28.9
N530	100 Tract NE Zone	False	1,000.0	10.8	1,010.8	968.1	15.2
N511	100 Tract NE Zone	False	1,000.0	3.6	1,003.6	926.1	28.8
N497	100 Tract NE Zone	False	1,000.0	11.7	1,011.7	372.1	19.1
N462	400 Tract MID Zone	False	1,000.0	6.3	1,006.3	94.0	29.9
N464	400 Tract MID Zone	False	1,000.0	5.4	1,005.4	152.7	-0.4
N446	400 Tract MID Zone	False	1,000.0	5.4	1,005.4	92.9	29.8
N453	400 Tract MID Zone	False	1,000.0	10.8	1,010.8	190.9	-10.5
N433	400 Tract MID Zone	False	1,000.0	6.3	1,006.3	213.7	-20.3
N425	400 Tract LOWER Zone	False	1,000.0	16.2	1,016.2	412.0	5.6
N378	400 Tract LOWER Zone	False	1,000.0	13.5	1,013.5	436.3	7.4
N365	400 Tract LOWER Zone	False	1,000.0	11.9	1,011.9	291.6	7.4
N418	400 Tract LOWER Zone	False	1,000.0	15.3	1,015.3	587.5	7.4
N358	400 Tract LOWER Zone	False	1,000.0	8.1	1,008.1	721.3	7.4

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan MDD + Fire Distribution System Junction Report
Fire Flow - Time: 0.00 hours**

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N401	400 Tract LOWER Zone	False	1,000.0	8.3	1,008.3	539.6	7.4
N420	400 Tract LOWER Zone	False	1,000.0	4.5	1,004.5	601.4	7.4
N387	400 Tract LOWER Zone	False	1,000.0	13.3	1,013.3	418.5	7.4
N391	400 Tract LOWER Zone	False	1,000.0	11.7	1,011.7	907.3	7.3
N372	400 Tract LOWER Zone	False	1,000.0	8.1	1,008.1	685.1	7.4
N354	400 Tract LOWER Zone	False	1,000.0	6.3	1,006.3	623.4	7.4
N350	400 Tract LOWER Zone	False	1,000.0	16.2	1,016.2	673.0	7.4
N428	400 Tract LOWER Zone	False	1,000.0	7.2	1,007.2	183.0	7.4
N392	400 Tract LOWER Zone	False	1,000.0	9.9	1,009.9	463.5	7.4
N364	400 Tract LOWER Zone	False	1,000.0	6.3	1,006.3	187.7	7.4
N281	400 Tract LOWER Zone	False	1,000.0	12.6	1,012.6	251.0	7.4
N282	400 Tract LOWER Zone	False	1,000.0	10.8	1,010.8	249.1	7.4
N316	400 Tract LOWER Zone	False	1,000.0	14.4	1,014.4	318.9	7.4
N346	400 Tract LOWER Zone	False	1,000.0	11.7	1,011.7	761.5	5.4
N290	400 Tract SE Zone	False	1,000.0	9.0	1,009.0	255.2	15.7
N287	400 Tract SE Zone	False	1,000.0	6.3	1,006.3	386.2	19.0
N291	400 Tract SE Zone	False	1,000.0	4.5	1,004.5	490.6	2.3
N273	400 Tract SE Zone	False	1,000.0	5.4	1,005.4	651.7	-21.3
N314	100 Tract SE Zone	False	1,000.0	3.6	1,003.6	240.2	5.7
N353	100 Tract SE Zone	False	1,000.0	6.3	1,006.3	250.5	29.8
N389	100 Tract SE Zone	False	1,000.0	11.7	1,011.7	186.0	44.7
N322	100 Tract SE Zone	False	1,000.0	8.1	1,008.1	760.1	7.6
N269	100 Tract SE Zone	False	1,000.0	14.4	1,014.4	435.2	31.9
N231	100 Tract SE Zone	False	1,000.0	8.3	1,008.3	305.4	39.8

GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan MDD + Fire Distribution System Junction Report
Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N311	100 Tract SE Zone	False	1,000.0	1.8	1,001.8	771.2	7.0
N438	400 Tract LOWER Zone	False	1,000.0	0.0	1,000.0	319.4	5.4
N318	100 Tract NW Zone	False	1,000.0	8.1	1,008.1	976.4	31.4
N225	100 Tract NW Zone	False	1,000.0	9.9	1,009.9	983.2	31.1
N229	100 Tract NW Zone	False	1,000.0	10.8	1,010.8	976.3	33.3
N460	400 Tract LOWER Zone	False	1,000.0	1.8	1,001.8	325.4	5.3
N285	100 Tract NW Zone	False	1,000.0	11.7	1,011.7	903.7	44.7
N252	100 Tract NW Zone	False	1,000.0	9.9	1,009.9	808.7	45.1
N208	100 Tract NW Zone	False	1,000.0	6.3	1,006.3	549.4	20.6
N221	100 Tract NW Zone	False	1,000.0	12.6	1,012.6	579.9	19.8
N224	100 Tract NW Zone	False	1,000.0	7.2	1,007.2	801.8	18.7
N215	100 Tract NW Zone	False	1,000.0	17.1	1,017.1	1,003.8	43.3
N485	400 Tract MID Zone	False	1,000.0	8.1	1,008.1	206.4	-4.1
N234	100 Tract NW Zone	False	1,000.0	17.1	1,017.1	507.7	46.5
N207	100 Tract NW Zone	False	1,000.0	3.6	1,003.6	554.4	16.9
N205	100 Tract NW Zone	False	1,000.0	7.2	1,007.2	309.3	9.9
N206	100 Tract NW Zone	False	1,000.0	13.5	1,013.5	586.2	3.3
N190	100 Tract NW Zone	False	1,000.0	3.6	1,003.6	934.6	43.4
N178	300 Tract NW Zone	False	1,000.0	16.2	1,016.2	445.2	97.5
N162	300 Tract NW Zone	False	1,000.0	12.6	1,012.6	925.6	75.0
N447	400 Tract MID Zone	False	1,000.0	14.2	1,014.2	152.1	10.0
N124	300 Tract WEST Zone	False	1,000.0	0.0	1,000.0	157.7	71.0
N131	300 Tract WEST Zone	False	1,000.0	2.7	1,002.7	336.8	27.0
N114	300 Tract WEST Zone	False	1,000.0	2.7	1,002.7	628.3	63.7

GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan MDD + Fire Distribution System Junction Report
Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N110	300 Tract WEST Zone	False	1,000.0	15.3	1,015.3	452.1	35.7
N115	300 Tract WEST Zone	False	1,000.0	12.6	1,012.6	515.6	28.7
N100	300 Tract WEST Zone	False	1,000.0	1.8	1,001.8	507.8	40.5
N102	300 Tract WEST Zone	False	1,000.0	9.9	1,009.9	775.2	11.4
N106	300 Tract WEST Zone	False	1,000.0	11.7	1,011.7	827.8	8.6
N334	400 Tract SE Zone	False	1,000.0	5.4	1,005.4	184.4	89.8
N274	400 Tract SE Zone	False	1,000.0	1.8	1,001.8	682.4	-14.9
N271	100 Tract SE Zone	False	1,000.0	2.7	1,002.7	661.1	12.2
N214	100 Tract NW Zone	False	1,000.0	5.4	1,005.4	273.4	12.2
N359	100 Tract NW Zone	False	1,000.0	12.6	1,012.6	71.5	48.9
N336	100 Tract NW Zone	False	1,000.0	5.4	1,005.4	924.5	36.9
N103	300 Tract WEST Zone	False	1,000.0	11.5	1,011.5	740.7	18.1
N101	300 Tract WEST Zone	False	1,000.0	8.3	1,008.3	496.0	24.4
N109	300 Tract WEST Zone	False	1,000.0	19.0	1,019.0	503.4	27.3
N111	300 Tract WEST Zone	False	1,000.0	8.3	1,008.3	404.9	46.8
N454	400 Tract UPPER Zone	False	1,000.0	0.0	1,000.0	668.7	24.4
N440	400 Tract UPPER Zone	False	1,000.0	4.5	1,004.5	635.3	28.9
N478	400 Tract UPPER Zone	False	1,000.0	8.1	1,008.1	798.1	24.6
N508	400 Tract UPPER Zone	False	1,000.0	9.9	1,009.9	453.7	63.9
N483	400 Tract MID Zone	False	1,000.0	18.1	1,018.1	173.3	13.3
N473	400 Tract MID Zone	False	1,000.0	18.1	1,018.1	218.8	-10.1
N513	400 Tract UPPER Zone	False	1,000.0	8.1	1,008.1	189.4	18.3
N504	400 Tract UPPER Zone	False	1,000.0	11.7	1,011.7	202.8	13.9
N488	400 Tract UPPER Zone	False	1,000.0	3.6	1,003.6	201.5	11.1

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan MDD + Fire Distribution System Junction Report
Fire Flow - Time: 0.00 hours**

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N514	400 Tract UPPER Zone	False	1,000.0	17.1	1,017.1	251.6	28.2
N523	400 Tract UPPER Zone	False	1,000.0	8.1	1,008.1	304.7	24.1
N524	400 Tract UPPER Zone	False	1,000.0	9.9	1,009.9	816.2	10.8
N515	400 Tract UPPER Zone	False	1,000.0	7.2	1,007.2	569.0	50.4
N496	400 Tract UPPER Zone	False	1,000.0	16.9	1,016.9	677.8	33.7
N512	400 Tract UPPER Zone	False	1,000.0	1.8	1,001.8	754.2	35.3
N450	400 Tract UPPER Zone	False	1,000.0	8.3	1,008.3	482.2	22.1
N463	400 Tract UPPER Zone	False	1,000.0	10.8	1,010.8	487.1	38.4
N484	400 Tract UPPER Zone	False	1,000.0	18.1	1,018.1	704.4	34.9
N493	400 Tract UPPER Zone	False	1,000.0	13.5	1,013.5	808.4	20.6
N494	400 Tract UPPER Zone	False	1,000.0	9.0	1,009.0	619.8	47.9
N492	400 Tract UPPER Zone	False	1,000.0	1.8	1,001.8	744.5	49.9
N502	400 Tract UPPER Zone	False	1,000.0	9.9	1,009.9	895.0	45.1
N435	400 Tract LOWER Zone	False	1,500.0	1.8	1,501.8	1,048.3	4.2
N443	400 Tract LOWER Zone	False	1,000.0	7.2	1,007.2	554.4	2.2
N452	400 Tract LOWER Zone	False	1,000.0	8.3	1,008.3	558.2	0.7
N439	400 Tract LOWER Zone	False	1,000.0	6.3	1,006.3	629.4	-4.8
N475	400 Tract MID Zone	False	1,000.0	15.3	1,015.3	133.3	14.7
N377	400 Tract LOWER Zone	False	1,000.0	14.6	1,014.6	742.8	-10.9
N400	400 Tract LOWER Zone	False	1,000.0	18.1	1,018.1	502.9	7.4
N422	400 Tract LOWER Zone	False	1,000.0	16.2	1,016.2	679.2	-5.1
N432	400 Tract MID Zone	False	1,000.0	16.2	1,016.2	193.2	-1.4
N449	400 Tract MID Zone	False	1,000.0	6.3	1,006.3	209.4	-17.6
N437	400 Tract MID Zone	False	1,000.0	5.4	1,005.4	209.4	-18.1

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan MDD + Fire Distribution System Junction Report
Fire Flow - Time: 0.00 hours**

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N373	400 Tract LOWER Zone	False	1,000.0	11.7	1,011.7	667.9	-4.8
N385	400 Tract LOWER Zone	False	1,000.0	16.2	1,016.2	780.9	-20.3
N394	400 Tract LOWER Zone	False	1,000.0	7.2	1,007.2	707.8	-11.5
N409	400 Tract LOWER Zone	False	1,000.0	8.1	1,008.1	303.9	7.4
N410	400 Tract LOWER Zone	False	1,000.0	7.2	1,007.2	355.2	7.4
N411	400 Tract LOWER Zone	False	1,000.0	8.1	1,008.1	376.5	4.7
N414	400 Tract LOWER Zone	False	1,000.0	9.0	1,009.0	416.8	-4.0
N426	400 Tract LOWER Zone	False	1,000.0	4.5	1,004.5	390.9	1.9
N393	400 Tract LOWER Zone	False	1,000.0	14.6	1,014.6	487.6	7.4
N382	400 Tract LOWER Zone	False	1,000.0	12.6	1,012.6	202.8	7.4
N396	400 Tract LOWER Zone	False	1,000.0	11.7	1,011.7	884.2	7.3
N384	400 Tract LOWER Zone	False	1,000.0	13.5	1,013.5	725.0	7.4
N363	400 Tract LOWER Zone	False	1,000.0	9.0	1,009.0	658.6	7.4
N349	400 Tract LOWER Zone	False	1,000.0	4.5	1,004.5	757.5	4.9
N299	400 Tract LOWER Zone	False	1,000.0	16.2	1,016.2	281.2	7.4
N283	400 Tract LOWER Zone	False	1,000.0	5.4	1,005.4	243.3	7.4
N329	400 Tract LOWER Zone	False	1,000.0	14.6	1,014.6	354.9	3.4
N340	400 Tract SE Zone	False	1,000.0	14.4	1,014.4	414.8	21.6
N307	400 Tract SE Zone	False	1,000.0	6.3	1,006.3	425.0	24.1
N247	400 Tract SE Zone	False	1,000.0	5.4	1,005.4	331.1	40.9
N272	400 Tract SE Zone	False	1,000.0	6.3	1,006.3	674.4	-18.1
N300	100 Tract SE Zone	False	1,000.0	7.2	1,007.2	579.5	21.5
N279	100 Tract SE Zone	False	1,000.0	14.4	1,014.4	447.6	31.1
N246	100 Tract SE Zone	False	1,000.0	8.3	1,008.3	530.2	18.7

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan MDD + Fire Distribution System Junction Report
Fire Flow - Time: 0.00 hours**

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N275	100 Tract SE Zone	False	1,000.0	18.1	1,018.1	692.6	9.9
N351	100 Tract SE Zone	False	1,000.0	10.8	1,010.8	181.6	46.0
N344	100 Tract SE Zone	False	1,000.0	8.3	1,008.3	326.6	10.3
N361	100 Tract SE Zone	False	1,000.0	11.7	1,011.7	829.4	-6.9
N347	100 Tract SE Zone	False	1,000.0	14.9	1,014.9	975.7	-27.9
N327	100 Tract SE Zone	False	1,000.0	10.8	1,010.8	840.5	-7.6
N324	100 Tract SE Zone	False	1,000.0	4.5	1,004.5	728.8	7.3
N528	100 Tract NE Zone	False	1,000.0	9.0	1,009.0	976.1	16.4
N482	100 Tract NE Zone	False	1,000.0	9.9	1,009.9	369.6	50.8
N472	100 Tract NE Zone	False	1,000.0	6.3	1,006.3	171.0	72.4
N525	100 Tract NE Zone	False	1,000.0	8.1	1,008.1	287.5	25.2
N516	100 Tract NE Zone	False	1,000.0	9.9	1,009.9	433.4	19.6
N429	100 Tract NE Zone	False	1,000.0	11.7	1,011.7	449.8	71.8
N499	100 Tract NE Zone	False	1,000.0	9.0	1,009.0	288.9	15.3
N301	100 Tract NW Zone	False	1,000.0	4.5	1,004.5	933.6	40.7
N223	100 Tract NW Zone	False	1,000.0	6.3	1,006.3	196.7	14.7
N182	100 Tract NW Zone	False	1,000.0	13.5	1,013.5	988.9	43.3
N166	300 Tract NW Zone	False	1,000.0	10.8	1,010.8	815.1	62.2
N169	300 Tract NW Zone	False	1,000.0	9.9	1,009.9	770.4	12.5
N386	100 Tract NW Zone	False	1,000.0	16.2	1,016.2	475.5	24.3
Com407	100 Tract NW Zone	False	1,500.0	7.2	1,507.2	474.7	25.4
N408	100 Tract NW Zone	False	1,000.0	9.0	1,009.0	494.6	17.3
N238	100 Tract NW Zone	False	1,000.0	9.9	1,009.9	791.2	5.2
N218	100 Tract NW Zone	False	1,000.0	0.9	1,000.9	564.8	16.3

GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan MDD + Fire Distribution System Junction Report
Fire Flow - Time: 0.00 hours

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
N104	300 Tract WEST Zone	False	1,000.0	13.3	1,013.3	954.3	18.0
N543	100 Tract NW Zone	False	1,000.0	0.0	1,000.0	714.6	11.0
N544	100 Tract NW Zone	False	1,000.0	0.0	1,000.0	106.1	48.5
N545	100 Tract SE Zone	False	1,000.0	0.0	1,000.0	117.1	49.3
N546	100 Tract NW Zone	False	1,000.0	0.0	1,000.0	107.5	48.5
N548	400 Tract SE Zone	False	1,000.0	0.0	1,000.0	310.5	66.9
N549	400 Tract LOWER Zone	False	1,000.0	0.0	1,000.0	186.1	7.4
N551	400 Tract LOWER Zone	False	1,000.0	0.0	1,000.0	236.7	7.4
N552	400 Tract LOWER Zone	False	1,000.0	0.0	1,000.0	145.7	7.4
N553	400 Tract LOWER Zone	False	1,000.0	0.0	1,000.0	134.5	7.4
N550	400 Tract LOWER Zone	False	1,000.0	0.0	1,000.0	108.8	7.4
N554	400 Tract SE Zone	False	1,000.0	0.9	1,000.9	390.7	23.9
N555	400 Tract LOWER Zone	False	1,000.0	0.0	1,000.0	574.5	7.1
N556	400 Tract LOWER Zone	False	1,000.0	0.0	1,000.0	220.3	7.4
N557	400 Tract MID Zone	False	1,000.0	0.0	1,000.0	152.1	13.1
N558	400 Tract UPPER Zone	False	1,000.0	0.0	1,000.0	196.8	57.4
N559	400 Tract MID Zone	False	1,000.0	0.0	1,000.0	83.9	25.6
N560	400 Tract UPPER Zone	False	1,000.0	0.0	1,000.0	258.9	75.0
N561	400 Tract UPPER Zone	False	1,000.0	0.0	1,000.0	365.6	68.2
N562	400 Tract UPPER Zone	False	1,000.0	0.0	1,000.0	670.2	32.3
N563	400 Tract LOWER Zone	False	1,000.0	0.0	1,000.0	313.9	7.4
N565	400 Tract UPPER Zone	False	1,000.0	0.0	1,000.0	258.3	75.0
N564	400 Tract MID Zone	False	1,000.0	0.0	1,000.0	118.1	33.6
N566	400 Tract UPPER Zone	False	1,000.0	0.0	1,000.0	150.1	36.3

**GBWC 2024 IRP - Spring Creek Division - Housing Section
 Action Plan MDD + Fire Distribution System Junction Report
 Fire Flow - Time: 0.00 hours**

Label	Zone	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	MDD (gpm)	Total Flow Needed (MDD+Fire) (gpm)	Available Flow @ 20psi Residual (gpm)	Pressure (Calculated Residual @ Total Flow Needed) (psi)
J-38	400 Tract UPPER Zone	False	1,000.0	0.0	1,000.0	468.2	22.0
N567	100 Tract NW Zone	False	1,000.0	0.9	1,000.9	160.8	47.8
N568	100 Tract SE Zone	False	1,000.0	1.6	1,001.6	255.7	39.9

GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan PHD 2027 Distribution System Junction Report
PHD-NODES - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
266	N144	5,410.00	300 Tract NW Zone	0.0	5,762.45	152.5
267	N288	5,495.00	100 Tract NW Zone	0.0	5,727.91	100.8
268	N319	5,670.00	400 Tract LOWER Zone	0.0	5,849.80	77.8
269	N289	5,641.00	100 Tract SE Zone	0.0	5,882.78	104.6
270	N228	5,605.00	100 Tract SE Zone	0.0	5,880.75	119.3
272	N380	5,759.30	400 Tract LOWER Zone	0.0	5,851.70	40.0
273	N339	5,662.00	100 Tract SE Zone	14.2	5,877.00	93.0
274	N444	5,584.00	100 Tract NE Zone	3.1	5,938.50	153.4
275	N531	5,732.00	100 Tract NE Zone	6.3	5,938.23	89.2
276	N505	5,728.00	100 Tract NE Zone	4.7	5,939.93	91.7
277	N507	5,763.00	100 Tract NE Zone	4.7	5,940.02	76.6
278	N495	5,739.00	100 Tract NE Zone	7.9	5,939.76	86.9
279	N480	5,737.00	100 Tract NE Zone	9.4	5,936.39	86.3
280	N477	5,787.00	400 Tract LOWER Zone	11.0	5,877.52	39.2
281	N466	5,758.00	400 Tract LOWER Zone	15.7	5,878.09	52.0
282	N526	5,773.00	100 Tract NE Zone	0.0	5,940.36	72.4
283	N434	5,742.00	100 Tract NE Zone	0.0	5,941.63	86.4
287	N532	5,888.00	400 Tract UPPER Zone	15.7	6,082.51	84.2
295	N243	5,577.00	400 Tract LOWER Zone	0.0	5,848.73	117.6
296	N244	5,574.00	300 Tract NW Zone	0.0	5,828.53	110.1
300	N369 - IRRG	5,459.48	100 Tract NW Zone	100.3	5,777.65	137.7
301	N362	5,712.00	100 Tract SE Zone	0.0	5,801.71	38.8
303	N371	5,733.00	100 Tract SE Zone	17.3	5,796.59	27.5
304	N338	5,534.00	100 Tract NW Zone	18.9	5,796.64	113.6
305	N278	5,617.00	400 Tract SE Zone	9.4	5,869.25	109.1
306	N320	5,636.50	400 Tract SE Zone	9.4	5,869.23	100.7

**GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan PHD 2027 Distribution System Junction Report
PHD-NODES - Time: 0.00 hours**

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
314	N116	5,393.00	300 Tract WEST Zone	0.0	5,645.32	109.2
315	N235	5,474.50	100 Tract NW Zone	11.0	5,732.92	111.8
316	N227	5,478.30	100 Tract NW Zone	20.5	5,732.83	110.1
318	N203	5,453.00	100 Tract NW Zone	4.7	5,731.59	120.5
321	N529	5,908.20	400 Tract UPPER Zone	4.7	6,079.60	74.2
322	N503	5,874.10	400 Tract UPPER Zone	17.3	6,062.76	81.6
323	N465	5,812.90	400 Tract UPPER Zone	20.5	6,060.59	107.2
324	N469	5,804.70	400 Tract UPPER Zone	12.6	6,060.65	110.7
325	N474	5,810.50	400 Tract UPPER Zone	12.6	6,060.69	108.2
326	N481	5,832.90	400 Tract UPPER Zone	17.3	6,060.93	98.7
327	N509	5,851.80	400 Tract UPPER Zone	7.9	6,060.66	90.4
328	N517	5,873.00	400 Tract UPPER Zone	18.9	6,065.14	83.1
329	N442	5,793.20	400 Tract UPPER Zone	9.4	6,041.01	107.2
330	N458	5,813.40	400 Tract UPPER Zone	15.7	6,041.67	98.8
331	N468	5,815.50	400 Tract UPPER Zone	9.4	6,042.31	98.1
332	N489	5,825.80	400 Tract UPPER Zone	7.9	6,044.08	94.4
333	N486	5,824.10	400 Tract UPPER Zone	11.0	6,043.54	94.9
334	N500	5,802.50	400 Tract UPPER Zone	31.5	6,040.52	103.0
335	N506	5,798.10	400 Tract UPPER Zone	12.6	5,933.24	58.5
336	N519	5,793.40	400 Tract UPPER Zone	23.6	5,853.13	25.8
337	N498	5,778.30	400 Tract UPPER Zone	29.9	5,849.92	31.0
338	N467	5,728.30	400 Tract MID Zone	9.4	5,834.02	45.7
339	N441	5,799.70	400 Tract LOWER Zone	0.0	5,922.99	53.3
340	N456	5,572.10	100 Tract NE Zone	23.6	5,938.55	158.5
341	N487	5,769.40	100 Tract NE Zone	9.4	5,939.95	73.8
342	N530	5,761.80	100 Tract NE Zone	18.9	5,940.36	77.3

GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan PHD 2027 Distribution System Junction Report
PHD-NODES - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
343	N511	5,668.00	100 Tract NE Zone	6.3	5,940.39	117.8
344	N497	5,735.30	100 Tract NE Zone	20.5	5,937.75	87.6
345	N476	5,736.20	100 Tract NE Zone	18.9	5,940.89	88.6
346	N436	5,715.00	100 Tract NE Zone	3.1	5,941.63	98.1
348	N462	5,805.00	400 Tract MID Zone	11.0	5,824.52	8.4
349	N464	5,756.90	400 Tract MID Zone	9.4	5,824.73	29.3
350	N446	5,793.70	400 Tract MID Zone	9.4	5,825.15	13.6
351	N453	5,734.30	400 Tract MID Zone	18.9	5,827.04	40.1
352	N433	5,706.90	400 Tract MID Zone	11.0	5,830.39	53.4
353	N425	5,683.00	400 Tract LOWER Zone	28.3	5,863.42	78.1
354	N378	5,718.50	400 Tract LOWER Zone	23.6	5,865.29	63.5
355	N365	5,714.40	400 Tract LOWER Zone	20.8	5,864.75	65.1
356	N418	5,728.40	400 Tract LOWER Zone	26.7	5,876.04	63.9
357	N358	5,665.10	400 Tract LOWER Zone	14.2	5,870.47	88.9
358	N401	5,724.60	400 Tract LOWER Zone	14.5	5,870.76	63.2
359	N420	5,735.70	400 Tract LOWER Zone	7.9	5,877.09	61.2
360	N387	5,708.80	400 Tract LOWER Zone	23.2	5,914.10	88.8
361	N416	5,779.10	400 Tract LOWER Zone	3.1	5,918.07	60.1
362	N415	5,779.10	400 Tract LOWER Zone	1.6	5,915.20	58.9
363	N120	5,398.80	300 Tract WEST Zone	100.3	5,641.21	104.9
364	N413	5,773.00	400 Tract LOWER Zone	21.6	5,915.03	61.4
365	N391	5,741.50	400 Tract LOWER Zone	20.5	5,898.11	67.8
366	N372	5,738.30	400 Tract LOWER Zone	14.2	5,882.73	62.5
367	N354	5,740.30	400 Tract LOWER Zone	11.0	5,876.98	59.1
368	N350	5,719.50	400 Tract LOWER Zone	28.3	5,874.38	67.0
369	N428	5,782.10	400 Tract LOWER Zone	12.6	5,916.86	58.3

GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan PHD 2027 Distribution System Junction Report
PHD-NODES - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
370	N419	5,796.10	400 Tract LOWER Zone	11.0	5,917.55	52.5
371	N405	5,778.70	400 Tract LOWER Zone	23.6	5,916.81	59.8
372	N392	5,758.40	400 Tract LOWER Zone	17.3	5,915.38	67.9
373	N388	5,764.20	400 Tract LOWER Zone	18.9	5,915.97	65.7
374	N364	5,733.00	400 Tract LOWER Zone	11.0	5,914.83	78.7
375	N376	5,710.40	400 Tract LOWER Zone	27.1	5,851.36	61.0
376	N342	5,645.40	400 Tract LOWER Zone	16.8	5,850.27	88.6
377	N333	5,677.10	400 Tract LOWER Zone	24.8	5,849.99	74.8
378	N297	5,634.50	400 Tract LOWER Zone	20.5	5,849.57	93.1
379	N281	5,593.00	400 Tract LOWER Zone	22.0	5,841.10	107.3
380	N255	5,590.70	400 Tract LOWER Zone	26.7	5,849.18	111.8
381	N282	5,594.00	400 Tract LOWER Zone	18.9	5,841.11	106.9
382	N316	5,617.60	400 Tract LOWER Zone	25.2	5,846.18	98.9
383	N346	5,652.70	400 Tract LOWER Zone	20.5	5,870.74	94.3
384	N290	5,625.20	400 Tract SE Zone	15.7	5,869.33	105.6
385	N287	5,634.80	400 Tract SE Zone	11.0	5,872.19	102.7
386	N291	5,624.90	400 Tract SE Zone	7.9	5,873.81	107.7
387	N273	5,571.20	400 Tract SE Zone	9.4	5,875.84	131.8
388	N314	5,628.10	100 Tract SE Zone	6.3	5,878.08	108.2
389	N353	5,730.70	100 Tract SE Zone	11.0	5,878.85	64.1
390	N389	5,558.60	100 Tract SE Zone	20.5	5,874.87	136.8
391	N322	5,703.80	100 Tract SE Zone	14.2	5,887.72	79.6
392	N269	5,685.10	100 Tract SE Zone	25.2	5,878.96	83.9
393	N231	5,653.00	100 Tract SE Zone	14.5	5,880.75	98.5
394	N311	5,702.60	100 Tract SE Zone	3.1	5,890.38	81.2
395	N399	5,478.20	100 Tract NW Zone	14.2	5,738.21	112.5

GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan PHD 2027 Distribution System Junction Report
PHD-NODES - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
396	N404	5,480.00	100 Tract NW Zone	4.7	5,775.70	127.9
397	N374	5,466.60	100 Tract NW Zone	11.0	5,771.66	132.0
398	N302(IRR G)	5,604.00	100 Tract NW Zone	98.8	5,727.15	53.3
399	N438	5,798.30	400 Tract LOWER Zone	0.0	5,931.50	57.6
400	N292	5,636.20	100 Tract NW Zone	0.0	5,726.99	39.3
401	N308	5,602.60	100 Tract NW Zone	3.1	5,726.99	53.8
402	N312	5,602.60	100 Tract NW Zone	6.3	5,726.97	53.8
403	N318	5,540.00	100 Tract NW Zone	14.2	5,731.49	82.8
404	N330	5,525.10	100 Tract NW Zone	29.9	5,735.17	90.9
405	N325	5,505.50	100 Tract NW Zone	10.6	5,738.90	101.0
406	N317	5,468.40	100 Tract NW Zone	15.7	5,738.30	116.8
408	N309	5,444.60	100 Tract NW Zone	9.4	5,743.69	129.4
409	N343	5,459.00	100 Tract NW Zone	25.2	5,756.85	128.9
410	N370	5,463.00	100 Tract NW Zone	15.7	5,771.32	133.4
411	N360	5,492.10	100 Tract NW Zone	18.9	5,767.48	119.1
412	N357	5,499.30	100 Tract NW Zone	15.7	5,765.61	115.2
413	N355	5,495.00	100 Tract NW Zone	4.7	5,760.40	114.8
415	N240	5,429.80	100 Tract NW Zone	29.9	5,734.25	131.7
416	N277	5,467.20	100 Tract NW Zone	25.2	5,734.77	115.8
417	N260	5,491.50	100 Tract NW Zone	18.9	5,729.17	102.8
418	N256	5,479.40	100 Tract NW Zone	6.3	5,729.52	108.2
419	N225	5,451.80	100 Tract NW Zone	17.3	5,725.83	118.6
420	N229	5,453.30	100 Tract NW Zone	18.9	5,726.05	118.0
421	N249	5,474.20	100 Tract NW Zone	14.5	5,730.10	110.7
422	N459	5,811.00	400 Tract LOWER Zone	0.0	5,928.92	51.0
423	N257	5,463.10	100 Tract NW Zone	15.7	5,733.06	116.8

GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan PHD 2027 Distribution System Junction Report
PHD-NODES - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
424	N253	5,451.40	100 Tract NW Zone	6.3	5,734.52	122.5
425	N239	5,444.80	100 Tract NW Zone	9.4	5,734.29	125.2
426	N236	5,435.60	100 Tract NW Zone	23.6	5,734.29	129.2
427	N262	5,447.40	100 Tract NW Zone	9.4	5,734.83	124.4
428	N460	5,811.00	400 Tract LOWER Zone	3.1	5,931.50	52.1
429	N304	5,444.60	100 Tract NW Zone	15.7	5,741.62	128.5
430	N326	5,442.20	100 Tract NW Zone	4.7	5,744.17	130.6
431	N337	5,481.70	100 Tract NW Zone	7.9	5,745.38	114.1
432	N331	5,490.90	100 Tract NW Zone	26.7	5,742.92	109.0
433	N285	5,453.50	100 Tract NW Zone	20.5	5,737.29	122.8
434	N267	5,435.90	100 Tract NW Zone	23.6	5,736.73	130.2
435	N252	5,470.10	100 Tract NW Zone	17.3	5,734.72	114.5
436	N208	5,454.50	100 Tract NW Zone	11.0	5,731.59	119.9
437	N221	5,453.60	100 Tract NW Zone	22.0	5,731.65	120.3
438	N224	5,451.90	100 Tract NW Zone	12.6	5,732.75	121.5
439	N179	5,441.80	100 Tract NW Zone	31.5	5,740.14	129.1
440	N199	5,460.40	100 Tract NW Zone	22.0	5,741.35	121.6
441	N194	5,471.60	100 Tract NW Zone	18.9	5,739.46	115.9
442	N219	5,446.10	100 Tract NW Zone	26.7	5,734.34	124.7
443	N215	5,459.80	100 Tract NW Zone	29.9	5,727.81	116.0
444	N210	5,469.96	100 Tract NW Zone	20.5	5,725.54	110.6
445	N485	5,755.10	400 Tract MID Zone	14.2	5,842.66	37.9
446	N212(IRR G)	5,453.50	100 Tract NW Zone	123.9	5,724.53	117.3
447	N213	5,461.40	100 Tract NW Zone	22.0	5,724.92	114.0
448	N217	5,458.90	100 Tract NW Zone	26.7	5,725.04	115.1
449	N258	5,483.50	100 Tract NW Zone	4.7	5,729.41	106.4

GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan PHD 2027 Distribution System Junction Report
PHD-NODES - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
450	N250	5,480.90	100 Tract NW Zone	25.2	5,729.60	107.6
451	N216	5,468.60	100 Tract NW Zone	20.5	5,734.05	114.8
452	N204	5,460.70	100 Tract NW Zone	28.3	5,735.64	119.0
453	N234	5,443.20	100 Tract NW Zone	29.9	5,732.77	125.3
454	N193	5,470.28	100 Tract NW Zone	9.4	5,742.81	117.9
455	N183	5,442.30	100 Tract NW Zone	12.2	5,744.31	130.7
456	N158	5,411.80	100 Tract NW Zone	7.9	5,752.69	147.5
457	N145	5,404.10	300 Tract NW Zone	0.0	5,769.24	158.0
458	N139	5,403.30	300 Tract NW Zone	0.0	5,767.24	157.5
459	N134	5,396.60	300 Tract NW Zone	3.1	5,765.34	159.5
460	N140	5,397.10	300 Tract NW Zone	9.4	5,763.18	158.4
461	N207	5,431.70	100 Tract NW Zone	6.3	5,731.59	129.7
462	N172	5,457.51	100 Tract NW Zone	20.5	5,752.20	127.5
463	N173	5,455.61	100 Tract NW Zone	20.5	5,749.81	127.3
464	N175	5,458.80	100 Tract NW Zone	4.7	5,749.95	126.0
465	N181	5,476.70	100 Tract NW Zone	18.9	5,739.91	113.9
466	N192	5,472.00	100 Tract NW Zone	7.9	5,737.57	114.9
467	N205	5,565.50	100 Tract NW Zone	12.6	5,733.72	72.8
468	N206	5,552.80	100 Tract NW Zone	23.6	5,735.47	79.0
469	N190	5,498.50	100 Tract NW Zone	6.3	5,737.92	103.6
470	N165	5,453.90	100 Tract NW Zone	14.2	5,757.81	131.5
471	N178	5,499.90	300 Tract NW Zone	28.3	5,777.85	120.3
472	N168	5,503.00	300 Tract NW Zone	14.2	5,800.45	128.7
473	N162	5,491.60	300 Tract NW Zone	22.0	5,797.63	132.4
474	N155	5,449.00	300 Tract NW Zone	11.0	5,783.67	144.8
475	N151	5,451.00	300 Tract NW Zone	15.7	5,778.61	141.7

GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan PHD 2027 Distribution System Junction Report
PHD-NODES - Time: 0.00 hours

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
476	N447	5,770.60	400 Tract MID Zone	24.8	5,825.47	23.7
477	N138	5,407.20	300 Tract NW Zone	1.6	5,771.35	157.5
478	N124	5,408.20	300 Tract WEST Zone	0.0	5,641.15	100.8
479	N131	5,423.80	300 Tract WEST Zone	4.7	5,641.15	94.0
480	N132	5,408.50	300 Tract WEST Zone	11.0	5,641.21	100.7
481	N129	5,405.70	300 Tract WEST Zone	18.9	5,641.20	101.9
482	N126	5,398.30	300 Tract WEST Zone	6.3	5,641.20	105.1
483	N119	5,394.80	300 Tract WEST Zone	0.0	5,641.33	106.7
484	N114	5,453.60	300 Tract WEST Zone	4.7	5,639.10	80.3
485	N112	5,444.50	300 Tract WEST Zone	18.9	5,639.07	84.2
486	N110	5,480.00	300 Tract WEST Zone	26.7	5,632.72	66.1
487	N115	5,479.10	300 Tract WEST Zone	22.0	5,633.28	66.7
488	N100	5,331.20	300 Tract WEST Zone	3.1	5,633.97	131.0
489	N102	5,361.40	300 Tract WEST Zone	17.3	5,633.98	117.9
490	N106	5,422.90	300 Tract WEST Zone	20.5	5,634.71	91.6
491	N334	5,593.50	400 Tract SE Zone	9.4	5,874.90	121.7
492	N274	5,586.50	400 Tract SE Zone	3.1	5,877.11	125.7
493	N271	5,598.80	100 Tract SE Zone	4.7	5,877.16	120.4
494	N214	5,570.70	100 Tract NW Zone	9.4	5,733.49	70.4
496	N187	5,523.50	300 Tract NW Zone	14.2	5,813.10	125.3
497	N359	5,462.70	100 Tract NW Zone	22.0	5,706.21	105.4
498	N336	5,485.50	100 Tract NW Zone	9.4	5,740.45	110.3
499	N107	5,421.00	300 Tract WEST Zone	17.3	5,636.79	93.4
500	N108	5,445.17	300 Tract WEST Zone	22.0	5,637.27	83.1
501	N103	5,360.43	300 Tract WEST Zone	20.0	5,634.00	118.4
502	N101	5,361.92	300 Tract WEST Zone	14.5	5,633.14	117.3

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
503	N109	5,451.40	300 Tract WEST Zone	33.0	5,632.72	78.5
504	N111	5,484.73	300 Tract WEST Zone	14.5	5,633.13	64.2
505	N113	5,443.93	300 Tract WEST Zone	17.3	5,639.12	84.4
506	N118	5,397.74	300 Tract WEST Zone	1.6	5,642.04	105.7
507	N122	5,393.47	300 Tract WEST Zone	1.6	5,641.26	107.2
508	N121	5,393.47	300 Tract WEST Zone	4.7	5,641.26	107.2
509	N123	5,395.75	300 Tract WEST Zone	18.9	5,641.22	106.2
510	N125	5,397.50	300 Tract WEST Zone	4.7	5,641.20	105.4
511	N127	5,399.13	300 Tract WEST Zone	9.4	5,641.20	104.7
512	N128	5,402.12	300 Tract WEST Zone	9.4	5,641.20	103.4
513	N130	5,408.59	300 Tract WEST Zone	6.3	5,641.21	100.6
514	N135	5,407.46	300 Tract WEST Zone	1.6	5,641.21	101.1
515	N146	5,409.52	300 Tract NW Zone	1.6	5,771.35	156.5
516	N454	5,809.90	400 Tract UPPER Zone	0.0	6,060.58	108.5
517	N430	5,771.70	400 Tract LOWER Zone	0.0	5,920.28	64.3
518	N440	5,799.80	400 Tract UPPER Zone	7.9	6,060.57	112.8
519	N478	5,821.50	400 Tract UPPER Zone	14.2	6,060.76	103.5
520	N508	5,882.00	400 Tract UPPER Zone	17.3	6,062.53	78.1
521	N483	5,765.00	400 Tract MID Zone	31.5	5,834.60	30.1
522	N473	5,738.70	400 Tract MID Zone	31.5	5,836.00	42.1
523	N513	5,785.40	400 Tract UPPER Zone	14.2	5,850.47	28.2
524	N504	5,769.70	400 Tract UPPER Zone	20.5	5,846.80	33.4
525	N488	5,756.90	400 Tract UPPER Zone	6.3	5,843.29	37.4
526	N514	5,817.00	400 Tract UPPER Zone	29.9	5,933.99	50.6
527	N523	5,838.40	400 Tract UPPER Zone	14.2	5,953.62	49.8
528	N524	5,848.00	400 Tract UPPER Zone	17.3	6,040.19	83.2

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
529	N515	5,835.10	400 Tract UPPER Zone	12.6	6,040.20	88.7
530	N496	5,835.80	400 Tract UPPER Zone	29.5	6,053.81	94.3
531	N512	5,860.00	400 Tract UPPER Zone	3.1	6,062.41	87.6
532	N527	5,896.60	400 Tract UPPER Zone	15.7	6,079.63	79.2
533	N450	5,799.00	400 Tract UPPER Zone	14.5	6,060.18	113.0
534	N463	5,819.00	400 Tract UPPER Zone	18.9	6,060.18	104.3
535	N484	5,864.10	400 Tract UPPER Zone	31.5	6,060.92	85.2
536	N493	5,865.50	400 Tract UPPER Zone	23.6	6,061.33	84.7
537	N494	5,860.00	400 Tract UPPER Zone	15.7	6,061.46	87.2
538	N492	5,820.70	400 Tract UPPER Zone	3.1	6,061.25	104.1
539	N502	5,842.50	400 Tract UPPER Zone	17.3	6,061.59	94.8
540	N520	5,896.10	400 Tract UPPER Zone	16.1	6,069.79	75.1
541	N435	5,760.00	400 Tract LOWER Zone	3.1	5,911.63	65.6
542	N443	5,761.00	400 Tract LOWER Zone	12.6	5,880.27	51.6
543	N452	5,758.60	400 Tract LOWER Zone	14.5	5,878.80	52.0
544	N439	5,733.10	400 Tract LOWER Zone	11.0	5,875.99	61.8
545	N475	5,780.90	400 Tract MID Zone	26.7	5,823.60	18.5
546	N377	5,682.60	400 Tract LOWER Zone	25.5	5,868.75	80.5
547	N400	5,711.90	400 Tract LOWER Zone	31.5	5,869.26	68.1
548	N422	5,719.60	400 Tract LOWER Zone	28.3	5,873.37	66.5
549	N432	5,725.80	400 Tract MID Zone	28.3	5,829.65	44.9
550	N449	5,720.30	400 Tract MID Zone	11.0	5,830.67	47.8
551	N437	5,716.00	400 Tract MID Zone	9.4	5,830.50	49.5
552	N373	5,679.50	400 Tract LOWER Zone	20.5	5,867.86	81.5
553	N385	5,664.50	400 Tract LOWER Zone	28.3	5,868.46	88.2
554	N394	5,692.40	400 Tract LOWER Zone	12.6	5,869.46	76.6

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
555	N409	5,765.30	400 Tract LOWER Zone	14.2	5,864.01	42.7
556	N410	5,734.90	400 Tract LOWER Zone	12.6	5,863.75	55.7
557	N411	5,720.60	400 Tract LOWER Zone	14.2	5,863.59	61.9
558	N414	5,692.10	400 Tract LOWER Zone	15.7	5,863.48	74.1
559	N426	5,703.90	400 Tract LOWER Zone	7.9	5,863.46	69.0
560	N393	5,686.00	400 Tract LOWER Zone	25.5	5,864.88	77.4
561	N382	5,739.00	400 Tract LOWER Zone	22.0	5,913.48	75.5
562	N395	5,777.90	400 Tract LOWER Zone	12.6	5,916.46	60.0
563	N417	5,798.50	400 Tract LOWER Zone	3.1	5,917.34	51.4
564	N381	5,759.30	400 Tract LOWER Zone	12.6	5,915.59	67.6
565	N412	5,776.30	400 Tract LOWER Zone	6.3	5,914.14	59.6
566	N396	5,772.00	400 Tract LOWER Zone	20.5	5,903.12	56.7
567	N384	5,749.50	400 Tract LOWER Zone	23.6	5,889.09	60.4
568	N363	5,734.00	400 Tract LOWER Zone	15.7	5,878.39	62.5
569	N349	5,673.40	400 Tract LOWER Zone	7.9	5,871.67	85.8
570	N299	5,617.26	400 Tract LOWER Zone	28.3	5,843.60	97.9
571	N283	5,597.10	400 Tract LOWER Zone	9.4	5,841.34	105.7
572	N329	5,628.94	400 Tract LOWER Zone	25.5	5,850.81	96.0
573	N340	5,656.80	400 Tract SE Zone	25.2	5,873.57	93.8
574	N307	5,666.00	400 Tract SE Zone	11.0	5,873.71	89.9
575	N247	5,588.64	400 Tract SE Zone	9.4	5,872.06	122.6
576	N272	5,578.80	400 Tract SE Zone	11.0	5,876.56	128.8
577	N300	5,702.60	100 Tract SE Zone	12.6	5,888.02	80.2
578	N279	5,699.27	100 Tract SE Zone	25.2	5,881.19	78.7
579	N246	5,629.58	100 Tract SE Zone	14.5	5,877.83	107.4
580	N275	5,603.74	100 Tract SE Zone	31.5	5,877.72	118.5

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
581	N351	5,707.90	100 Tract SE Zone	18.9	5,877.57	73.4
582	N344	5,708.20	100 Tract SE Zone	14.5	5,879.47	74.1
583	N361	5,651.90	100 Tract SE Zone	20.5	5,879.61	98.5
584	N347	5,594.10	100 Tract SE Zone	25.9	5,880.72	124.0
585	N327	5,664.40	100 Tract SE Zone	18.9	5,883.27	94.7
586	N324	5,703.00	100 Tract SE Zone	7.9	5,883.92	78.3
587	N305	5,615.00	100 Tract NW Zone	9.4	5,726.66	48.3
588	N528	5,764.60	100 Tract NE Zone	15.7	5,940.36	76.0
589	N521	5,746.10	100 Tract NE Zone	11.0	5,940.40	84.1
590	N518	5,739.50	100 Tract NE Zone	11.0	5,940.45	86.9
591	N482	5,749.00	100 Tract NE Zone	17.3	5,939.63	82.5
592	N472	5,737.40	100 Tract NE Zone	11.0	5,938.99	87.2
593	N525	5,744.00	100 Tract NE Zone	14.2	5,938.46	84.1
594	N516	5,743.30	100 Tract NE Zone	17.3	5,939.08	84.7
595	N510	5,753.40	100 Tract NE Zone	7.9	5,940.59	81.0
596	N501	5,724.90	100 Tract NE Zone	4.7	5,940.64	93.3
597	N491	5,754.40	100 Tract NE Zone	6.3	5,940.69	80.6
598	N445	5,739.90	100 Tract NE Zone	20.5	5,941.40	87.2
599	N429	5,732.10	100 Tract NE Zone	20.5	5,941.11	90.4
600	N499	5,726.20	100 Tract NE Zone	15.7	5,937.02	91.2
601	N479	5,757.10	100 Tract NE Zone	9.4	5,940.81	79.5
602	N470	5,736.80	100 Tract NE Zone	4.7	5,941.00	88.3
603	N461	5,755.10	100 Tract NE Zone	4.7	5,941.21	80.5
604	N451	5,725.20	100 Tract NE Zone	6.3	5,941.41	93.5
605	N280	5,475.26	100 Tract NW Zone	17.2	5,731.56	110.9
606	N301	5,574.00	100 Tract NW Zone	7.9	5,727.13	66.3

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
607	N222	5,468.25	100 Tract NW Zone	6.3	5,732.94	114.5
608	N220	5,462.94	100 Tract NW Zone	29.9	5,731.56	116.2
609	N254	5,476.65	100 Tract NW Zone	6.3	5,729.63	109.5
610	N242	5,478.49	100 Tract NW Zone	22.0	5,729.96	108.8
611	N270	5,468.35	100 Tract NW Zone	22.0	5,731.44	113.8
612	N259	5,463.50	100 Tract NW Zone	17.3	5,732.50	116.4
613	N276	5,458.60	100 Tract NW Zone	12.6	5,732.49	118.5
614	N315	5,460.17	100 Tract NW Zone	20.0	5,738.70	120.5
615	N402	5,475.00	100 Tract NW Zone	29.9	5,775.13	129.9
616	N379	5,472.60	100 Tract NW Zone	22.0	5,772.30	129.7
617	N366	5,479.50	100 Tract NW Zone	14.2	5,770.21	125.8
618	N352	5,472.50	100 Tract NW Zone	6.3	5,763.07	125.7
619	N332	5,447.88	100 Tract NW Zone	34.6	5,749.38	130.4
620	N313	5,440.02	100 Tract NW Zone	11.0	5,742.85	131.0
621	N306	5,447.79	100 Tract NW Zone	9.4	5,742.09	127.3
622	N298	5,457.52	100 Tract NW Zone	23.6	5,738.92	121.7
623	N268	5,451.41	100 Tract NW Zone	6.3	5,734.58	122.5
624	N265	5,447.51	100 Tract NW Zone	1.6	5,734.73	124.3
625	N261	5,458.15	100 Tract NW Zone	23.6	5,734.55	119.6
626	N248	5,462.54	100 Tract NW Zone	3.1	5,734.47	117.7
627	N232	5,452.42	100 Tract NW Zone	7.9	5,734.17	121.9
628	N233	5,450.70	100 Tract NW Zone	7.9	5,734.22	122.7
629	N241	5,445.42	100 Tract NW Zone	5.9	5,734.43	125.0
630	N266	5,454.11	100 Tract NW Zone	16.1	5,734.60	121.4
631	N201	5,467.99	100 Tract NW Zone	17.3	5,742.19	118.6
632	N196	5,452.70	100 Tract NW Zone	14.2	5,741.50	124.9

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
633	N197	5,459.48	100 Tract NW Zone	17.3	5,741.20	121.9
634	N195	5,462.91	100 Tract NW Zone	12.6	5,737.57	118.8
635	N191	5,484.66	100 Tract NW Zone	11.0	5,737.37	109.3
636	N223	5,576.50	100 Tract NW Zone	11.0	5,733.13	67.8
637	N198	5,508.50	100 Tract NW Zone	18.5	5,737.16	98.9
638	N182	5,470.64	100 Tract NW Zone	23.6	5,741.59	117.2
639	N177	5,476.83	100 Tract NW Zone	25.2	5,740.37	114.0
640	N174	5,473.42	100 Tract NW Zone	16.1	5,748.16	118.9
641	N166	5,475.82	300 Tract NW Zone	18.9	5,778.53	131.0
642	N169	5,482.80	300 Tract NW Zone	17.3	5,778.83	128.1
643	N170	5,491.47	300 Tract NW Zone	20.0	5,800.52	133.7
644	N167	5,501.81	300 Tract NW Zone	4.7	5,800.45	129.2
645	N180	5,507.20	300 Tract NW Zone	14.2	5,805.61	129.1
646	N156	5,465.12	300 Tract NW Zone	17.3	5,793.79	142.2
647	N154	5,456.58	300 Tract NW Zone	4.7	5,788.30	143.5
648	N150	5,451.57	300 Tract NW Zone	7.9	5,782.68	143.3
649	N152	5,441.65	300 Tract NW Zone	3.1	5,777.25	145.2
650	N153	5,436.78	300 Tract NW Zone	17.3	5,774.59	146.2
651	N294	5,441.67	100 Tract NW Zone	11.0	5,739.87	129.0
652	N251	5,445.34	100 Tract NW Zone	9.4	5,734.58	125.1
653	Com284	5,451.94	100 Tract NW Zone	6.3	5,736.42	123.1
654	N237	5,437.00	100 Tract NW Zone	26.7	5,734.29	128.6
655	Com230	5,430.43	100 Tract NW Zone	20.5	5,734.29	131.5
656	N209	5,465.89	100 Tract NW Zone	22.0	5,735.28	116.6
657	N202	5,478.02	100 Tract NW Zone	15.7	5,736.99	112.0
658	N186	5,459.00	100 Tract NW Zone	25.2	5,739.45	121.3

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
659	N184	5,457.01	100 Tract NW Zone	11.0	5,743.77	124.1
660	N185	5,451.02	100 Tract NW Zone	11.0	5,742.50	126.1
661	N176	5,457.36	100 Tract NW Zone	18.9	5,747.74	125.6
662	N164	5,450.85	300 Tract NW Zone	12.6	5,758.79	133.2
663	N148	5,441.71	300 Tract NW Zone	6.3	5,771.73	142.8
664	N403	5,493.40	100 Tract NW Zone	9.4	5,737.43	105.6
665	N386	5,489.80	100 Tract NW Zone	28.3	5,733.21	105.3
666	Com407	5,501.00	100 Tract NW Zone	12.6	5,733.39	100.5
667	N408	5,494.70	100 Tract NW Zone	15.7	5,733.50	103.3
668	N390	5,471.70	100 Tract NW Zone	22.0	5,741.98	116.9
669	N383	5,496.50	100 Tract NW Zone	18.9	5,747.30	108.5
670	N356	5,491.20	100 Tract NW Zone	28.3	5,759.08	115.9
671	N328	5,453.75	100 Tract NW Zone	0.0	5,744.23	125.7
672	N345	5,480.70	100 Tract NW Zone	28.3	5,750.95	116.9
673	N335	5,491.00	100 Tract NW Zone	1.6	5,744.29	109.6
674	N323	5,494.53	100 Tract NW Zone	20.5	5,740.46	106.4
675	N238	5,440.10	100 Tract NW Zone	17.3	5,732.94	126.7
676	N218	5,446.07	100 Tract NW Zone	1.6	5,731.62	123.5
677	N211	5,440.32	100 Tract NW Zone	28.3	5,734.70	127.4
678	N171	5,443.02	100 Tract NW Zone	7.9	5,749.83	132.7
679	N161	5,436.18	100 Tract NW Zone	9.4	5,751.74	136.5
680	N157	5,426.57	100 Tract NW Zone	23.6	5,755.50	142.3
681	N159	5,428.85	100 Tract NW Zone	20.5	5,757.92	142.4
682	N160	5,433.29	100 Tract NW Zone	14.2	5,759.54	141.2
683	N133	5,393.91	300 Tract NW Zone	27.9	5,762.85	159.6
684	Com136	5,396.17	300 Tract NW Zone	14.2	5,762.86	158.7

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
685	N141	5,397.55	300 Tract NW Zone	17.3	5,764.07	158.6
686	N137	5,397.03	300 Tract NW Zone	6.3	5,764.93	159.2
687	N104	5,414.62	300 Tract WEST Zone	23.2	5,636.61	96.0
688	N105	5,414.00	300 Tract WEST Zone	25.2	5,636.63	96.3
1713	J-1	5,458.10	100 Tract NW Zone	1.6	5,748.87	125.8
1716	Church-LDS	5,458.00	100 Tract NW Zone	0.0	5,748.87	125.8
1718	J-3	5,449.16	300 Tract NW Zone	0.0	5,761.19	135.0
1721	Bawcom RE	5,449.00	300 Tract NW Zone	0.0	5,761.19	135.1
1723	J-5	5,429.02	300 Tract NW Zone	0.0	5,771.57	148.2
1726	Spring Creek Elementary	5,429.00	300 Tract NW Zone	17.0	5,771.57	148.2
1728	J-7	5,438.85	100 Tract NW Zone	0.0	5,734.34	127.8
1731	J-8	5,439.00	100 Tract NW Zone	9.1	5,734.34	127.8
1755	J-10	5,788.87	400 Tract LOWER Zone	0.0	5,915.75	54.9
1765	N543	5,436.00	100 Tract NW Zone	0.0	5,732.92	128.5
1773	N544	5,591.44	100 Tract NW Zone	0.0	5,735.47	62.3
1776	N545	5,604.14	100 Tract SE Zone	0.0	5,880.75	119.7
1779	N546	5,589.55	100 Tract NW Zone	0.0	5,733.13	62.1
1782	J-17	5,528.15	300 Tract NW Zone	0.0	5,814.52	123.9
1785	N548	5,574.00	400 Tract SE Zone	0.0	5,876.56	130.9
1789	N549	5,593.80	400 Tract LOWER Zone	0.0	5,849.18	110.5
1792	N551	5,632.42	400 Tract LOWER Zone	0.0	5,843.60	91.4
1795	N552	5,668.14	400 Tract LOWER Zone	0.0	5,850.81	79.0
1798	N553	5,646.69	400 Tract LOWER Zone	0.0	5,914.10	115.7
1801	N550	5,717.38	400 Tract LOWER Zone	0.0	5,849.99	57.4
1807	N554	5,653.33	400 Tract SE Zone	1.6	5,873.57	95.3

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ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
1810	N555	5,658.49	400 Tract LOWER Zone	0.0	5,867.86	90.6
1813	N556	5,668.83	400 Tract LOWER Zone	0.0	5,864.75	84.8
1816	N557	5,720.13	400 Tract MID Zone	0.0	5,829.65	47.4
1819	N558	5,807.46	400 Tract UPPER Zone	0.0	6,041.67	101.3
1822	N559	5,793.19	400 Tract MID Zone	0.0	5,823.60	13.2
1825	N560	5,804.27	400 Tract UPPER Zone	0.0	6,043.54	103.5
1828	N561	5,791.09	400 Tract UPPER Zone	0.0	6,060.69	116.6
1831	N562	5,808.06	400 Tract UPPER Zone	0.0	6,060.69	109.3
1834	N563	5,803.47	400 Tract LOWER Zone	0.0	5,878.80	32.6
1837	N565	5,785.17	400 Tract UPPER Zone	0.0	6,040.52	110.5
1840	N564	5,781.39	400 Tract MID Zone	0.0	5,834.60	23.0
1843	N566	5,788.09	400 Tract UPPER Zone	0.0	5,849.92	26.7
1846	J-38	5,794.14	400 Tract UPPER Zone	0.0	6,060.18	115.1
1851	N567	5,594.00	100 Tract NW Zone	1.6	5,735.15	61.1
1854	N568	5,644.00	100 Tract SE Zone	2.7	5,880.68	102.4
1856	J-43	5,559.00	100 Tract NW Zone	2.7	5,775.13	93.5
1880	Liberty Peak Elementary	5,458.15	100 Tract NW Zone	106.2	5,734.48	119.6
1938	N569 (B&G Club)	5,395.41	300 Tract WEST Zone	2.7	5,641.47	106.5

GBWC 2024 IRP - Spring Creek Division - Housing Section
Action Plan PHD 2027 Distribution System Pipe Report
PHD-PIPES - Time: 0.00 hours

Label	Length (Scaled) (ft)	Diamete r (in)	Material	Flow (gpm)	Velocity (ft/s)	Headloss (ft)	Hazen- Williams C
L279	235	8	PVC	-142.3	0.91	0.12	130.0
L442	1,092	6	PVC	-667.2	7.57	38.27	130.0
L481	1,356	12	PVC	-1,342.3	3.81	5.93	130.0
P-46	349	12	PVC	-1,288.5	3.66	1.41	130.0
P-47	3,457	12	PVC	-1,288.5	3.66	14.01	130.0
L394	207	8	PVC	-683.5	4.36	1.87	130.0
L192	2,086	12	PVC	-1,207.3	3.42	7.49	130.0
L391	602	8	PVC	-667.7	4.26	5.21	130.0
L392	155	8	PVC	-663.0	4.23	1.32	130.0
L179	1,473	12	PVC	-1,182.4	3.35	5.09	130.0
L159	1,590	12	PVC	-1,181.9	3.35	5.49	130.0
L160	1,350	12	PVC	-1,177.2	3.34	4.63	130.0
L163	2,030	12	PVC	-1,155.5	3.28	6.72	130.0
L154	323	12	PVC	-1,108.8	3.15	0.99	130.0
L155	1,343	12	PVC	-1,100.9	3.12	4.07	130.0
L157	467	12	PVC	-1,078.1	3.06	1.36	130.0
L158	920	12	PVC	-1,074.9	3.05	2.66	130.0
L153	1,017	12	PVC	-1,057.6	3.00	2.86	130.0
L388	810	8	PVC	-729.8	4.66	8.25	130.0
L378	707	8	PVC	-673.7	4.30	6.21	130.0
L371	985	8	PVC	-622.3	3.97	7.47	130.0
L344	769	8	PVC	-613.9	3.92	5.69	130.0
L209	1,177	8	PVC	-382.4	2.44	3.63	130.0
L412	701	12	PVC	-409.6	1.16	0.34	130.0
L453	210	12	PVC	-547.0	1.55	0.17	130.0
L338	358	8	PVC	-467.3	2.98	1.60	130.0
L330	737	8	PVC	-457.9	2.92	3.17	130.0
P-21	820	12	PVC	-365.8	1.04	0.28	140.0
L329	676	12	PVC	-341.0	0.97	0.23	130.0
L455	155	6	PVC	-472.3	5.36	2.87	130.0
L278	792	8	PVC	-298.9	1.91	1.54	130.0
L578	2,732	6	PVC	-413.2	4.69	39.44	130.0
L281	315	8	PVC	-283.2	1.81	0.56	130.0
L582	852	6	PVC	-14.1	0.16	0.02	130.0
L197	400	8	PVC	-244.6	1.56	0.54	130.0
P-24	894	4	Ductile Iron	-397.6	10.15	86.58	130.0
L206	782	8	PVC	-233.5	1.49	0.97	130.0
L291	1,216	8	PVC	-413.3	2.64	4.32	130.0
L296	736	8	PVC	-253.3	1.62	1.06	130.0
L269	797	8	PVC	-276.4	1.76	1.35	130.0
L216	538	8	PVC	-224.1	1.43	0.62	130.0
L452	82	6	PVC	-353.0	4.01	0.89	130.0
L355	587	4	PVC	-90.6	2.31	3.68	130.0
L435	1,068	6	PVC	-344.7	3.91	11.02	130.0
L347	990	4	PVC	-76.4	1.95	4.52	130.0
L397	733	3	PVC	-196.2	8.90	77.90	130.0
L428	544	6	PVC	-324.3	3.68	5.01	130.0
L211	1,079	8	PVC	-164.0	1.05	0.69	130.0