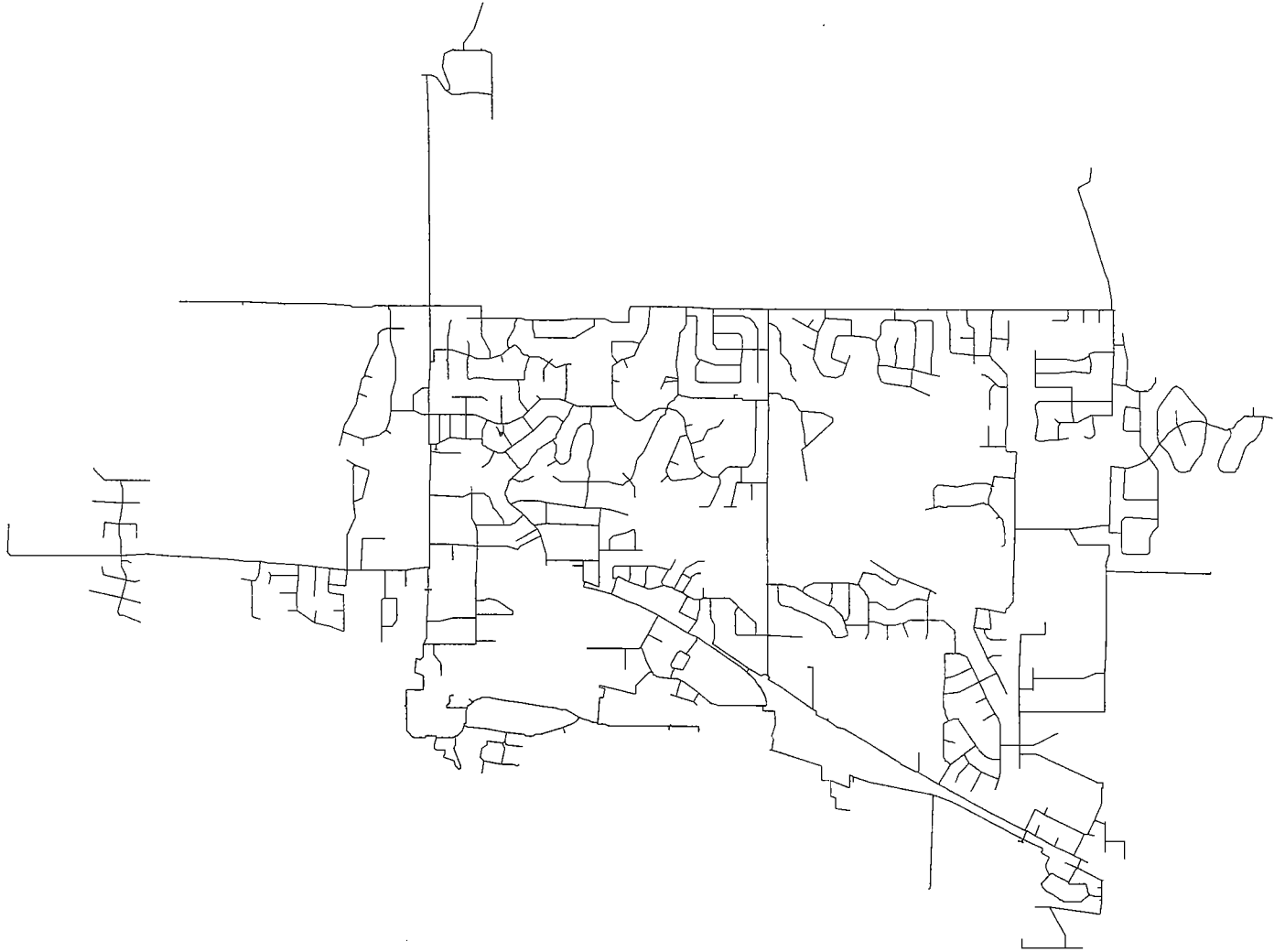


2010 Scenario

Scenario: 2010



Scenario: 2010
Fire Flow Analysis
Fire Flow Report

Label	Satisfies Fire Flow Constraints?	Base Flow (gpm)	Needed Fire Flow (gpm)	Total Flow Needed (gpm)	Calculated Residual Pressure @ Total Flow Needed (psi)	Calculated Minimum Zone Junction @ Total Flow Needed	Calculated Minimum Zone Pressure (psi)	Available Fire Flow (gpm)
J-1	false	4.69	0.00	N/A	N/A	N/A	N/A	N/A
J-2	false	10.75	0.00	N/A	N/A	N/A	N/A	N/A
J-3	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-4	true	1.49	1,500.00	1,501.49	90.65	J-981	40.20	5,000.00
J-5	true	2.76	1,500.00	1,502.76	90.47	J-981	39.78	5,000.00
J-6	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-7	false	1.16	0.00	N/A	N/A	N/A	N/A	N/A
J-8	true	103.96	1,500.00	1,603.96	91.78	J-981	37.63	5,000.00
J-9	false	6.02	0.00	N/A	N/A	N/A	N/A	N/A
J-10	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-11	true	0.02	1,500.00	1,500.02	91.09	J-981	36.41	5,000.00
J-12	true	10.70	1,500.00	1,510.70	91.48	J-981	36.92	5,000.00
J-13	true	16.54	1,500.00	1,516.54	90.50	J-981	35.69	5,000.00
J-14	true	4.87	1,500.00	1,504.87	92.00	J-981	36.08	5,000.00
J-15	false	2.92	0.00	N/A	N/A	N/A	N/A	N/A
J-16	false	11.67	0.00	N/A	N/A	N/A	N/A	N/A
J-17	true	6.81	1,500.00	1,506.81	92.58	J-981	35.64	5,000.00
J-18	true	1.95	1,500.00	1,501.95	92.62	J-981	35.71	5,000.00
J-19	false	9.44	0.00	N/A	N/A	N/A	N/A	N/A
J-20	true	6.09	1,500.00	1,506.09	90.18	J-981	34.61	4,838.74
J-21	true	0.00	1,500.00	1,500.00	91.87	J-981	36.25	5,000.00
J-22	true	7.93	1,500.00	1,507.93	92.29	J-981	36.05	5,000.00
J-23	false	12.65	0.00	N/A	N/A	N/A	N/A	N/A
J-24	true	5.98	1,500.00	1,505.98	92.23	J-981	35.16	5,000.00
J-25	true	0.00	1,500.00	1,500.00	90.71	J-981	33.41	5,000.00
J-26	false	7.78	0.00	N/A	N/A	N/A	N/A	N/A
J-27	false	9.73	0.00	N/A	N/A	N/A	N/A	N/A
J-28	true	15.57	1,500.00	1,515.57	90.40	J-981	34.94	5,000.00
J-29	true	13.62	1,500.00	1,513.62	92.09	J-981	35.01	5,000.00
J-30	false	2.92	0.00	N/A	N/A	N/A	N/A	N/A
J-31	false	4.57	0.00	N/A	N/A	N/A	N/A	N/A
J-32	true	12.65	1,500.00	1,512.65	78.45	J-981	32.75	5,000.00
J-33	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A
J-34	true	3.89	1,500.00	1,503.89	70.22	J-981	20.01	4,063.63
J-35	false	11.67	0.00	N/A	N/A	N/A	N/A	N/A
J-36	false	4.86	0.00	N/A	N/A	N/A	N/A	N/A
J-37	false	6.81	0.00	N/A	N/A	N/A	N/A	N/A
J-38	true	3.89	1,500.00	1,503.89	71.63	J-981	43.33	5,000.00
J-39	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-40	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-41	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A
J-42	true	0.00	1,500.00	1,500.00	77.98	J-981	43.10	5,000.00
J-43	true	9.92	1,500.00	1,509.92	81.55	J-981	24.44	5,000.00
J-44	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A
J-45	true	2.92	1,500.00	1,502.92	74.54	J-981	43.29	5,000.00
J-46	false	7.78	0.00	N/A	N/A	N/A	N/A	N/A
J-47	true	4.86	1,500.00	1,504.86	59.98	J-981	20.02	2,695.66
J-48	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A

Scenario: 2010
Fire Flow Analysis
Fire Flow Report

Label	Satisfies Fire Flow Constraints?	Base Flow (gpm)	Needed Fire Flow (gpm)	Total Flow Needed (gpm)	Calculated Residual Pressure @ Total Flow Needed (psi)	Calculated Minimum Zone Junction @ Total Flow Needed	Calculated Minimum Zone Pressure (psi)	Available Fire Flow (gpm)
J-49	false	8.76	0.00	N/A	N/A	N/A	N/A	N/A
J-50	false	8.76	0.00	N/A	N/A	N/A	N/A	N/A
J-51	false	4.86	0.00	N/A	N/A	N/A	N/A	N/A
J-52	true	9.73	1,500.00	1,509.73	34.12	J-981	42.85	1,751.25
J-53	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-54	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-55	false	4.86	0.00	N/A	N/A	N/A	N/A	N/A
J-56	true	6.81	1,500.00	1,506.81	69.50	J-981	29.29	5,000.00
J-57	true	21.40	1,500.00	1,521.40	68.02	J-981	26.87	4,972.84
J-58	false	6.80	0.00	N/A	N/A	N/A	N/A	N/A
J-59	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-60	true	2.81	1,500.00	1,502.81	55.92	J-981	40.53	2,812.17
J-61	true	10.70	1,500.00	1,510.70	70.97	J-981	28.85	5,000.00
J-62	false	10.73	0.00	N/A	N/A	N/A	N/A	N/A
J-63	true	10.73	1,500.00	1,510.73	73.95	J-981	33.48	5,000.00
J-64	false	5.84	0.00	N/A	N/A	N/A	N/A	N/A
J-65	true	13.62	1,500.00	1,513.62	69.87	J-981	26.56	3,922.78
J-66	true	15.57	1,500.00	1,515.57	58.96	J-981	20.00	2,792.46
J-67	false	4.86	0.00	N/A	N/A	N/A	N/A	N/A
J-68	true	29.19	1,500.00	1,529.19	70.80	J-981	31.52	4,878.10
J-69	true	23.35	1,500.00	1,523.35	78.18	J-981	20.00	4,961.22
J-70	false	8.76	0.00	N/A	N/A	N/A	N/A	N/A
J-71	true	19.46	1,500.00	1,519.46	55.76	J-981	20.00	2,448.81
J-72	false	4.86	0.00	N/A	N/A	N/A	N/A	N/A
J-73	false	9.73	0.00	N/A	N/A	N/A	N/A	N/A
J-74	false	7.78	0.00	N/A	N/A	N/A	N/A	N/A
J-75	false	6.81	0.00	N/A	N/A	N/A	N/A	N/A
J-76	false	6.81	0.00	N/A	N/A	N/A	N/A	N/A
J-77	true	3.89	1,500.00	1,503.89	63.26	J-981	20.00	4,150.61
J-78	false	4.86	1,500.00	N/A	N/A	N/A	N/A	N/A
J-79	false	10.70	0.00	N/A	N/A	N/A	N/A	N/A
J-80	false	2.92	0.00	N/A	N/A	N/A	N/A	N/A
J-81	false	4.86	0.00	N/A	N/A	N/A	N/A	N/A
J-83	true	11.67	1,500.00	1,511.67	62.17	J-981	27.10	4,095.30
J-84	false	6.81	0.00	N/A	N/A	N/A	N/A	N/A
J-85	false	1.95	0.00	N/A	N/A	N/A	N/A	N/A
J-86	true	12.63	1,500.00	1,512.63	61.32	J-981	28.92	3,908.86
J-87	false	8.75	0.00	N/A	N/A	N/A	N/A	N/A
J-88	false	2.92	0.00	N/A	N/A	N/A	N/A	N/A
J-89	false	2.92	0.00	N/A	N/A	N/A	N/A	N/A
J-90	false	6.82	0.00	N/A	N/A	N/A	N/A	N/A
J-91	true	7.79	1,500.00	1,507.79	60.77	J-981	25.08	3,441.14
J-92	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A
J-93	false	5.84	0.00	N/A	N/A	N/A	N/A	N/A
J-94	true	3.90	1,500.00	1,503.90	48.97	J-981	20.00	2,280.20
J-95	false	14.59	0.00	N/A	N/A	N/A	N/A	N/A
J-96	false	3.71	0.00	N/A	N/A	N/A	N/A	N/A
J-97	false	2.92	0.00	N/A	N/A	N/A	N/A	N/A

Scenario: 2010
Fire Flow Analysis
Fire Flow Report

Label	Satisfies Fire Flow Constraints?	Base Flow (gpm)	Needed Fire Flow (gpm)	Total Flow Needed (gpm)	Calculated Residual Pressure @ Total Flow Needed (psi)	Calculated Minimum Zone Junction @ Total Flow Needed	Calculated Minimum Zone Pressure (psi)	Available Fire Flow (gpm)
J-98	false	2.91	0.00	N/A	N/A	N/A	N/A	N/A
J-99	false	3.90	0.00	N/A	N/A	N/A	N/A	N/A
J-100	true	4.58	1,500.00	1,504.58	44.04	J-981	20.02	2,043.87
J-101	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A
J-102	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A
J-103	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A
J-104	true	0.00	1,500.00	1,500.00	60.66	J-981	21.73	3,007.35
J-105	false	2.92	0.00	N/A	N/A	N/A	N/A	N/A
J-106	false	10.70	0.00	N/A	N/A	N/A	N/A	N/A
J-107	false	11.33	0.00	N/A	N/A	N/A	N/A	N/A
J-108	true	7.78	1,500.00	1,507.78	61.93	J-981	20.87	3,404.83
J-109	false	4.86	0.00	N/A	N/A	N/A	N/A	N/A
J-110	false	2.92	0.00	N/A	N/A	N/A	N/A	N/A
J-111	false	2.92	0.00	N/A	N/A	N/A	N/A	N/A
J-112	false	7.78	0.00	N/A	N/A	N/A	N/A	N/A
J-113	false	5.84	0.00	N/A	N/A	N/A	N/A	N/A
J-114	true	5.84	1,500.00	1,505.84	62.48	J-981	22.95	3,774.39
J-115	true	4.86	1,500.00	1,504.86	86.25	J-981	21.30	4,706.43
J-116	true	5.84	1,500.00	1,505.84	63.66	J-981	20.49	4,189.44
J-117	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-118	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-119	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-120	true	7.78	1,500.00	1,507.78	62.96	J-981	21.52	4,277.38
J-121	true	7.78	1,500.00	1,507.78	61.86	J-981	20.01	3,923.40
J-122	false	5.84	0.00	N/A	N/A	N/A	N/A	N/A
J-123	true	13.62	1,500.00	1,513.62	50.08	J-981	20.65	2,504.89
J-124	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-125	true	15.57	1,500.00	1,515.57	35.94	J-126	21.09	1,848.52
J-126	false	2.92	0.00	N/A	N/A	N/A	N/A	N/A
J-127	true	0.00	1,500.00	1,500.00	69.81	J-981	21.69	5,000.00
J-128	true	1.93	1,500.00	1,501.93	52.01	J-981	20.00	2,563.71
J-131	false	2.94	0.00	N/A	N/A	N/A	N/A	N/A
J-132	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-133	false	13.62	0.00	N/A	N/A	N/A	N/A	N/A
J-134	false	11.67	0.00	N/A	N/A	N/A	N/A	N/A
J-135	false	29.31	0.00	N/A	N/A	N/A	N/A	N/A
J-136	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-137	false	1.95	0.00	N/A	N/A	N/A	N/A	N/A
J-138	false	11.67	1,500.00	N/A	N/A	N/A	N/A	N/A
J-139	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A
J-140	true	0.15	1,500.00	1,500.15	79.62	J-981	40.82	3,211.84
J-141	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-142	true	7.78	1,500.00	1,507.78	83.89	J-981	40.41	3,713.70
J-143	false	6.81	0.00	N/A	N/A	N/A	N/A	N/A
J-144	false	2.92	0.00	N/A	N/A	N/A	N/A	N/A
J-145	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-146	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-147	false	4.48	0.00	N/A	N/A	N/A	N/A	N/A

Scenario: 2010
Fire Flow Analysis
Fire Flow Report

Label	Satisfies Fire Flow Constraints?	Base Flow (gpm)	Needed Fire Flow (gpm)	Total Flow Needed (gpm)	Calculated Residual Pressure @ Total Flow Needed (psi)	Calculated Minimum Zone Junction @ Total Flow Needed	Calculated Minimum Zone Pressure (psi)	Available Fire Flow (gpm)
J-148	true	10.58	1,500.00	1,510.58	61.36	J-981	31.45	3,846.39
J-149	true	29.20	1,500.00	1,529.20	59.96	J-981	38.95	3,458.67
J-150	false	9.73	1,500.00	N/A	N/A	N/A	N/A	N/A
J-151	true	12.65	1,500.00	1,512.65	62.54	J-981	22.14	4,208.95
J-152	true	13.62	1,500.00	1,513.62	61.86	J-981	28.57	4,065.58
J-153	true	4.86	1,500.00	1,504.86	62.26	J-981	23.96	4,219.04
J-154	true	13.62	1,500.00	1,513.62	76.78	J-981	22.16	3,310.72
J-155	true	16.54	1,500.00	1,516.54	76.23	J-981	20.13	3,093.83
J-156	true	0.00	1,500.00	1,500.00	72.28	J-981	33.67	2,785.97
J-157	false	3.02	0.00	N/A	N/A	N/A	N/A	N/A
J-158	true	25.09	1,500.00	1,525.09	68.62	J-981	42.91	2,688.65
J-159	true	20.43	1,500.00	1,520.43	63.21	J-981	20.00	2,396.86
J-160	true	1.12	1,500.00	1,501.12	83.91	J-981	20.00	4,515.19
J-161	true	13.62	1,500.00	1,513.62	58.35	J-981	20.24	2,271.54
J-162	false	0.97	0.00	N/A	N/A	N/A	N/A	N/A
J-163	true	7.05	1,500.00	1,507.05	83.85	J-981	24.20	4,428.85
J-164	true	15.57	1,500.00	1,515.57	81.30	J-981	20.00	3,759.59
J-165	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A
J-166	false	4.86	0.00	N/A	N/A	N/A	N/A	N/A
J-167	true	6.69	1,500.00	1,506.69	81.66	J-981	20.00	3,680.48
J-168	true	1.37	1,500.00	1,501.37	82.53	J-981	20.00	3,797.25
J-169	false	4.86	0.00	N/A	N/A	N/A	N/A	N/A
J-170	false	6.51	0.00	N/A	N/A	N/A	N/A	N/A
J-171	false	13.97	0.00	N/A	N/A	N/A	N/A	N/A
J-172	true	6.81	1,500.00	1,506.81	84.51	J-981	20.00	4,299.27
J-173	false	2.24	0.00	N/A	N/A	N/A	N/A	N/A
J-174	true	1.95	1,500.00	1,501.95	72.73	J-981	33.19	2,865.00
J-175	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A
J-176	false	4.70	0.00	N/A	N/A	N/A	N/A	N/A
J-177	false	23.86	0.00	N/A	N/A	N/A	N/A	N/A
J-178	false	10.70	0.00	N/A	N/A	N/A	N/A	N/A
J-179	false	36.70	0.00	N/A	N/A	N/A	N/A	N/A
J-180	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-181	false	7.77	0.00	N/A	N/A	N/A	N/A	N/A
J-182	false	6.81	0.00	N/A	N/A	N/A	N/A	N/A
J-183	false	10.69	0.00	N/A	N/A	N/A	N/A	N/A
J-184	true	3.89	1,500.00	1,503.89	98.67	J-981	20.00	3,683.44
J-185	false	7.78	0.00	N/A	N/A	N/A	N/A	N/A
J-186	true	7.78	1,500.00	1,507.78	61.56	J-981	43.79	1,501.00
J-187	true	0.00	1,500.00	1,500.00	99.31	J-981	43.66	3,218.39
J-188	false	10.69	0.00	N/A	N/A	N/A	N/A	N/A
J-189	false	5.84	0.00	N/A	N/A	N/A	N/A	N/A
J-190	false	5.84	0.00	N/A	N/A	N/A	N/A	N/A
J-191	true	3.88	1,500.00	1,503.88	94.77	J-981	20.00	4,969.16
J-192	false	2.22	0.00	N/A	N/A	N/A	N/A	N/A
J-193	false	4.86	0.00	N/A	N/A	N/A	N/A	N/A
J-194	true	4.86	1,500.00	1,504.86	93.51	J-981	20.00	4,791.01
J-195	false	49.67	0.00	N/A	N/A	N/A	N/A	N/A

Title: INITIAL RUN

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Project Engineer: DMC

WaterCAD v7.0 [07.00.049.00]

Page 4 of 15

Scenario: 2010
Fire Flow Analysis
Fire Flow Report

Label	Satisfies Fire Flow Constraints?	Base Flow (gpm)	Needed Fire Flow (gpm)	Total Flow Needed (gpm)	Calculated Residual Pressure @ Total Flow Needed (psi)	Calculated Minimum Zone Junction @ Total Flow Needed	Calculated Minimum Zone Pressure (psi)	Available Fire Flow (gpm)
J-196	false	4.86	0.00	N/A	N/A	N/A	N/A	N/A
J-197	true	30.83	1,500.00	1,530.83	90.15	J-981	20.00	4,835.98
J-198	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-199	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-200	false	4.69	0.00	N/A	N/A	N/A	N/A	N/A
J-201	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-202	false	2.92	0.00	N/A	N/A	N/A	N/A	N/A
J-203	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A
J-204	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A
J-205	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-206	false	4.86	0.00	N/A	N/A	N/A	N/A	N/A
J-207	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-208	false	1.95	0.00	N/A	N/A	N/A	N/A	N/A
J-209	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-210	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-211	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-212	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-213	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-214	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-215	false	11.67	0.00	N/A	N/A	N/A	N/A	N/A
J-216	true	8.76	1,500.00	1,508.76	85.00	J-981	20.02	3,841.46
J-217	false	8.96	0.00	N/A	N/A	N/A	N/A	N/A
J-218	true	1.74	1,500.00	1,501.74	91.23	J-981	36.12	5,000.00
J-219	false	24.87	0.00	N/A	N/A	N/A	N/A	N/A
J-220	true	0.00	1,500.00	1,500.00	90.45	J-981	37.34	5,000.00
J-221	true	0.00	1,500.00	1,500.00	87.90	J-981	34.79	5,000.00
J-222	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-223	false	0.49	0.00	N/A	N/A	N/A	N/A	N/A
J-224	true	1.81	1,500.00	1,501.81	86.98	J-981	39.16	4,670.41
J-225	true	5.06	1,500.00	1,505.06	87.40	J-981	20.00	4,843.51
J-226	true	9.73	1,500.00	1,509.73	78.22	J-981	40.20	3,239.75
J-227	true	17.51	1,500.00	1,517.51	79.00	J-981	20.01	3,430.26
J-228	false	12.65	0.00	N/A	N/A	N/A	N/A	N/A
J-229	true	7.78	1,500.00	1,507.78	72.68	J-981	20.00	2,981.76
J-230	true	10.70	1,500.00	1,510.70	71.65	J-981	20.00	2,924.53
J-231	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-232	true	16.56	1,500.00	1,516.56	74.05	J-981	20.00	2,995.76
J-233	true	7.69	1,500.00	1,507.69	73.84	J-981	20.00	2,958.13
J-234	false	12.75	0.00	N/A	N/A	N/A	N/A	N/A
J-235	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-236	false	69.44	0.00	N/A	N/A	N/A	N/A	N/A
J-237	false	0.64	0.00	N/A	N/A	N/A	N/A	N/A
J-238	true	0.91	1,500.00	1,500.91	83.99	J-981	20.00	3,962.87
J-239	false	2.66	0.00	N/A	N/A	N/A	N/A	N/A
J-240	false	26.03	0.00	N/A	N/A	N/A	N/A	N/A
J-241	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-242	false	4.86	0.00	N/A	N/A	N/A	N/A	N/A
J-243	true	6.81	1,500.00	1,506.81	80.07	J-981	20.00	3,677.02

Title: INITIAL RUN

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Page 5 of 15

Scenario: 2010
Fire Flow Analysis
Fire Flow Report

Label	Satisfies Fire Flow Constraints?	Base Flow (gpm)	Needed Fire Flow (gpm)	Total Flow Needed (gpm)	Calculated Residual Pressure @ Total Flow Needed (psi)	Calculated Minimum Zone Junction @ Total Flow Needed	Calculated Minimum Zone Pressure (psi)	Available Fire Flow (gpm)
J-244	true	11.67	1,500.00	1,511.67	80.89	J-981	20.00	3,616.29
J-245	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A
J-246	true	9.73	1,500.00	1,509.73	81.23	J-981	20.00	3,673.28
J-247	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-248	true	8.76	1,500.00	1,508.76	79.89	J-981	20.00	3,627.63
J-249	true	5.84	1,500.00	1,505.84	78.94	J-981	20.01	3,666.91
J-250	false	3.21	0.00	N/A	N/A	N/A	N/A	N/A
J-251	true	7.78	1,500.00	1,507.78	77.21	J-981	20.00	3,480.44
J-252	false	1.29	0.00	N/A	N/A	N/A	N/A	N/A
J-253	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-254	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-255	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-256	false	0.25	0.00	N/A	N/A	N/A	N/A	N/A
J-257	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-258	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-259	false	6.81	0.00	N/A	N/A	N/A	N/A	N/A
J-260	true	2.92	1,500.00	1,502.92	55.98	J-981	20.43	3,241.88
J-261	false	1.95	0.00	N/A	N/A	N/A	N/A	N/A
J-262	false	4.86	0.00	N/A	N/A	N/A	N/A	N/A
J-263	false	4.86	0.00	N/A	N/A	N/A	N/A	N/A
J-264	true	9.73	1,500.00	1,509.73	54.90	J-981	20.43	3,058.64
J-265	false	5.85	0.00	N/A	N/A	N/A	N/A	N/A
J-266	true	16.54	1,500.00	1,516.54	53.27	J-981	20.01	2,884.38
J-267	false	4.86	0.00	N/A	N/A	N/A	N/A	N/A
J-268	true	14.59	1,500.00	1,514.59	58.41	J-981	21.22	3,446.36
J-269	true	8.76	1,500.00	1,508.76	58.08	J-981	20.41	3,456.72
J-270	true	11.67	1,500.00	1,511.67	57.65	J-981	20.00	3,192.30
J-271	true	2.46	1,500.00	1,502.46	55.65	J-981	20.02	3,027.58
J-272	false	8.76	0.00	N/A	N/A	N/A	N/A	N/A
J-273	true	8.76	1,500.00	1,508.76	54.32	J-981	20.00	2,993.31
J-274	false	6.81	0.00	N/A	N/A	N/A	N/A	N/A
J-275	true	10.70	1,500.00	1,510.70	55.35	J-981	20.43	3,175.91
J-276	true	14.59	1,500.00	1,514.59	53.38	J-981	20.00	2,948.89
J-277	false	10.08	0.00	N/A	N/A	N/A	N/A	N/A
J-278	true	19.47	1,500.00	1,519.47	53.34	J-981	24.20	3,165.28
J-279	false	4.46	0.00	N/A	N/A	N/A	N/A	N/A
J-280	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-281	false	6.25	0.00	N/A	N/A	N/A	N/A	N/A
J-282	false	11.67	0.00	N/A	N/A	N/A	N/A	N/A
J-283	true	4.24	1,500.00	1,504.24	59.20	J-981	32.94	2,321.91
J-284	false	4.86	0.00	N/A	N/A	N/A	N/A	N/A
J-285	true	0.00	1,500.00	1,500.00	61.74	J-981	31.91	2,385.06
J-286	false	3.36	0.00	N/A	N/A	N/A	N/A	N/A
J-287	true	10.70	1,500.00	1,510.70	77.46	J-981	20.00	2,927.13
J-288	true	15.57	1,500.00	1,515.57	76.76	J-981	20.03	2,926.52
J-289	true	6.81	1,500.00	1,506.81	75.64	J-981	20.02	2,926.75
J-290	true	4.86	1,500.00	1,504.86	69.49	J-981	20.03	2,780.54
J-291	false	4.86	0.00	N/A	N/A	N/A	N/A	N/A

Title: INITIAL RUN

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Page 6 of 15

Scenario: 2010
Fire Flow Analysis
Fire Flow Report

Label	Satisfies Fire Flow Constraints?	Base Flow (gpm)	Needed Fire Flow (gpm)	Total Flow Needed (gpm)	Calculated Residual Pressure @ Total Flow Needed (psi)	Calculated Minimum Zone Junction @ Total Flow Needed	Calculated Minimum Zone Pressure (psi)	Available Fire Flow (gpm)
J-292	false	8.76	0.00	N/A	N/A	N/A	N/A	N/A
J-293	false	5.50	0.00	N/A	N/A	N/A	N/A	N/A
J-294	false	8.03	0.00	N/A	N/A	N/A	N/A	N/A
J-295	true	3.21	1,500.00	1,503.21	85.80	J-981	20.00	4,278.96
J-296	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-297	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-298	true	0.00	1,500.00	1,500.00	69.76	J-981	20.02	2,965.20
J-299	false	6.81	0.00	N/A	N/A	N/A	N/A	N/A
J-300	false	0.97	0.00	N/A	N/A	N/A	N/A	N/A
J-301	false	9.73	0.00	N/A	N/A	N/A	N/A	N/A
J-302	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-303	true	0.00	1,500.00	1,500.00	70.98	J-981	20.00	2,965.86
J-304	false	7.78	0.00	N/A	N/A	N/A	N/A	N/A
J-305	true	14.59	1,500.00	1,514.59	71.81	J-981	20.02	2,965.25
J-306	true	15.57	1,500.00	1,515.57	73.52	J-981	20.00	2,965.85
J-307	true	10.70	1,500.00	1,510.70	75.66	J-981	20.00	2,965.84
J-308	true	10.70	1,500.00	1,510.70	72.36	J-981	20.00	2,965.87
J-309	true	16.54	1,500.00	1,516.54	78.42	J-981	20.00	2,965.85
J-310	true	25.29	1,500.00	1,525.29	78.09	J-981	20.02	2,965.26
J-311	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-312	false	274.77	0.00	N/A	N/A	N/A	N/A	N/A
J-313	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-314	true	0.00	1,500.00	1,500.00	69.60	J-981	20.02	2,965.12
J-315	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-316	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-317	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-318	true	14.59	1,500.00	1,514.59	80.37	J-981	20.00	4,820.16
J-319	false	17.92	0.00	N/A	N/A	N/A	N/A	N/A
J-320	false	7.84	0.00	N/A	N/A	N/A	N/A	N/A
J-321	true	18.48	1,500.00	1,518.48	86.41	J-981	20.00	2,762.39
J-322	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-323	true	7.84	1,500.00	1,507.84	64.15	J-981	20.00	2,607.90
J-325	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-326	true	0.00	1,500.00	1,500.00	83.05	J-981	20.00	3,699.13
J-327	false	8.76	0.00	N/A	N/A	N/A	N/A	N/A
J-328	true	4.86	1,500.00	1,504.86	53.55	J-981	32.85	2,117.26
J-329	false	7.78	0.00	N/A	N/A	N/A	N/A	N/A
J-330	true	6.81	1,500.00	1,506.81	75.37	J-981	20.98	3,580.67
J-331	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-332	false	10.70	0.00	N/A	N/A	N/A	N/A	N/A
J-333	false	1.03	0.00	N/A	N/A	N/A	N/A	N/A
J-334	true	10.70	1,500.00	1,510.70	77.39	J-981	20.00	3,439.41
J-335	false	8.76	0.00	N/A	N/A	N/A	N/A	N/A
J-336	true	7.78	1,500.00	1,507.78	77.31	J-981	20.00	3,432.08
J-337	true	7.78	1,500.00	1,507.78	76.97	J-981	20.00	3,392.61
J-338	true	5.84	1,500.00	1,505.84	77.03	J-981	20.00	3,433.02
J-339	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A
J-340	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A

Title: INITIAL RUN

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Page 7 of 15

Scenario: 2010
Fire Flow Analysis
Fire Flow Report

Label	Satisfies Fire Flow Constraints?	Base Flow (gpm)	Needed Fire Flow (gpm)	Total Flow Needed (gpm)	Calculated Residual Pressure @ Total Flow Needed (psi)	Calculated Minimum Zone Junction @ Total Flow Needed	Calculated Minimum Zone Pressure (psi)	Available Fire Flow (gpm)
J-341	true	6.81	1,500.00	1,506.81	74.00	J-981	20.00	3,175.06
J-342	false	4.86	0.00	N/A	N/A	N/A	N/A	N/A
J-343	true	6.81	1,500.00	1,506.81	72.14	J-981	20.00	3,017.14
J-344	true	9.73	1,500.00	1,509.73	66.05	J-981	20.01	2,734.84
J-345	false	11.25	0.00	N/A	N/A	N/A	N/A	N/A
J-346	true	6.43	1,500.00	1,506.43	76.56	J-981	20.04	2,918.12
J-347	true	4.86	1,500.00	1,504.86	72.59	J-981	20.00	2,738.33
J-348	false	13.44	0.00	N/A	N/A	N/A	N/A	N/A
J-349	false	7.78	0.00	N/A	N/A	N/A	N/A	N/A
J-350	true	7.78	1,500.00	1,507.78	72.56	J-981	20.04	2,835.63
J-351	false	8.76	1,500.00	N/A	N/A	N/A	N/A	N/A
J-352	false	11.20	1,500.00	N/A	N/A	N/A	N/A	N/A
J-353	true	3.89	1,500.00	1,503.89	67.47	J-981	29.40	1,501.00
J-354	true	12.66	1,500.00	1,512.66	60.57	J-981	20.00	2,965.85
J-355	false	6.81	1,500.00	N/A	N/A	N/A	N/A	N/A
J-356	false	5.84	1,500.00	N/A	N/A	N/A	N/A	N/A
J-357	true	11.67	1,500.00	1,511.67	57.56	J-981	20.02	2,965.16
J-358	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-359	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-360	true	0.00	1,500.00	1,500.00	41.25	J-981	28.19	2,594.76
J-361	true	0.00	1,500.00	1,500.00	96.73	J-981	38.22	5,000.00
J-364	false	5.81	1,500.00	N/A	N/A	N/A	N/A	N/A
J-365	false	0.96	1,500.00	N/A	N/A	N/A	N/A	N/A
J-366	false	3.02	1,500.00	N/A	N/A	N/A	N/A	N/A
J-367	false	9.87	1,500.00	N/A	N/A	N/A	N/A	N/A
J-368	false	7.16	1,500.00	N/A	N/A	N/A	N/A	N/A
J-369	false	1.16	1,500.00	N/A	N/A	N/A	N/A	N/A
J-370	true	0.00	1,500.00	1,500.00	70.03	J-981	26.46	3,172.07
J-371	false	19.01	1,500.00	N/A	N/A	N/A	N/A	N/A
J-372	true	9.53	1,500.00	1,509.53	90.88	J-981	34.54	5,000.00
J-373	false	2.20	1,500.00	N/A	N/A	N/A	N/A	N/A
J-374	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-375	false	0.73	1,500.00	N/A	N/A	N/A	N/A	N/A
J-376	false	15.08	1,500.00	N/A	N/A	N/A	N/A	N/A
J-377	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-378	false	12.40	1,500.00	N/A	N/A	N/A	N/A	N/A
J-379	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-380	false	13.19	1,500.00	N/A	N/A	N/A	N/A	N/A
J-381	true	1.62	1,500.00	1,501.62	68.02	J-981	41.33	3,398.75
J-382	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-383	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-384	true	5.63	1,500.00	1,505.63	93.62	J-981	38.38	5,000.00
J-385	true	0.94	1,500.00	1,500.94	91.48	J-981	33.94	5,000.00
J-386	true	17.77	1,500.00	1,517.77	91.09	J-981	36.84	5,000.00
J-387	false	1.74	1,500.00	N/A	N/A	N/A	N/A	N/A
J-388	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-389	true	0.00	1,500.00	1,500.00	93.73	J-981	38.04	5,000.00
J-390	false	0.22	1,500.00	N/A	N/A	N/A	N/A	N/A

Scenario: 2010
Fire Flow Analysis
Fire Flow Report

Label	Satisfies Fire Flow Constraints?	Base Flow (gpm)	Needed Fire Flow (gpm)	Total Flow Needed (gpm)	Calculated Residual Pressure @ Total Flow Needed (psi)	Calculated Minimum Zone Junction @ Total Flow Needed	Calculated Minimum Zone Pressure (psi)	Available Fire Flow (gpm)
J-391	true	0.00	1,500.00	1,500.00	68.10	J-981	41.80	2,480.80
J-392	true	7.77	1,500.00	1,507.77	92.56	J-981	33.62	5,000.00
J-393	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-394	true	0.00	1,500.00	1,500.00	92.83	J-981	38.09	5,000.00
J-395	true	1.07	1,500.00	1,501.07	92.08	J-981	38.07	5,000.00
J-396	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-397	false	0.34	1,500.00	N/A	N/A	N/A	N/A	N/A
J-398	true	0.00	1,500.00	1,500.00	95.17	J-981	37.91	5,000.00
J-399	true	18.48	1,500.00	1,518.48	93.28	J-981	37.47	5,000.00
J-400	true	13.43	1,500.00	1,513.43	91.89	J-981	37.21	5,000.00
J-401	true	0.00	1,500.00	1,500.00	91.00	J-981	36.13	5,000.00
J-402	true	2.47	1,500.00	1,502.47	93.74	J-981	37.65	5,000.00
J-403	true	0.00	1,500.00	1,500.00	93.92	J-981	37.69	5,000.00
J-404	true	0.42	1,500.00	1,500.42	91.03	J-981	37.74	5,000.00
J-405	false	3.66	1,500.00	N/A	N/A	N/A	N/A	N/A
J-406	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-407	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-408	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-409	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-410	false	10.70	1,500.00	N/A	N/A	N/A	N/A	N/A
J-411	true	7.65	1,500.00	1,507.65	64.42	J-981	20.00	4,983.15
J-412	true	12.65	1,500.00	1,512.65	72.46	J-981	22.95	5,000.00
J-413	true	4.86	1,500.00	1,504.86	74.03	J-981	24.47	5,000.00
J-414	true	3.88	1,500.00	1,503.88	49.90	J-981	20.00	2,965.85
J-415	true	8.75	1,500.00	1,508.75	48.82	J-981	20.02	2,962.74
J-416	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-417	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-418	true	10.70	1,500.00	1,510.70	74.25	J-981	20.00	2,841.45
J-419	true	7.78	1,500.00	1,507.78	74.03	J-981	20.00	2,837.23
J-420	false	12.65	1,500.00	N/A	N/A	N/A	N/A	N/A
J-421	true	15.57	1,500.00	1,515.57	65.05	J-981	20.03	2,619.74
J-422	true	0.00	1,500.00	1,500.00	66.02	J-981	20.44	2,659.95
J-423	false	4.86	1,500.00	N/A	N/A	N/A	N/A	N/A
J-424	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-425	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-426	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-427	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-428	false	0.58	1,500.00	N/A	N/A	N/A	N/A	N/A
J-429	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-430	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-431	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-432	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-433	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-434	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-435	false	1.95	1,500.00	N/A	N/A	N/A	N/A	N/A
J-436	true	3.89	1,500.00	1,503.89	61.64	J-981	20.01	2,531.14
J-437	true	1.95	1,500.00	1,501.95	58.10	J-981	28.27	2,358.57
J-438	false	1.95	0.00	N/A	N/A	N/A	N/A	N/A

Title: INITIAL RUN

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WaterCAD v7.0 [07.00.049.00]

Page 9 of 15

Scenario: 2010
Fire Flow Analysis
Fire Flow Report

Label	Satisfies Fire Flow Constraints?	Base Flow (gpm)	Needed Fire Flow (gpm)	Total Flow Needed (gpm)	Calculated Residual Pressure @ Total Flow Needed (psi)	Calculated Minimum Zone Junction @ Total Flow Needed	Calculated Minimum Zone Pressure (psi)	Available Fire Flow (gpm)
J-439	true	1.95	1,500.00	1,501.95	35.56	J-981	38.11	1,732.37
J-440	true	0.82	1,500.00	1,500.82	44.85	J-981	27.63	1,931.67
J-441	false	11.15	0.00	N/A	N/A	N/A	N/A	N/A
J-442	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-443	true	7.55	2,500.00	2,507.55	80.16	J-981	32.00	5,000.00
J-444	true	0.72	1,500.00	1,500.72	92.05	J-981	36.88	5,000.00
J-445	false	0.11	0.00	N/A	N/A	N/A	N/A	N/A
J-446	true	8.72	1,500.00	1,508.72	91.68	J-981	37.20	5,000.00
J-447	true	0.00	1,500.00	1,500.00	91.20	J-981	35.60	5,000.00
J-448	true	0.00	1,500.00	1,500.00	87.44	J-981	20.22	4,326.26
J-449	true	1.25	1,500.00	1,501.25	86.26	J-981	20.65	4,071.01
J-450	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-451	true	0.00	2,500.00	2,500.00	83.21	J-981	35.24	5,000.00
J-452	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-453	true	0.12	1,500.00	1,500.12	91.02	J-981	35.17	5,000.00
J-454	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-455	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-456	true	1.84	1,500.00	1,501.84	90.57	J-981	36.34	5,000.00
J-457	true	0.00	1,500.00	1,500.00	90.64	J-981	37.65	5,000.00
J-458	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-459	true	0.24	1,500.00	1,500.24	87.31	J-981	30.31	4,445.74
J-460	true	0.01	2,500.00	2,500.01	74.26	J-981	20.00	4,482.83
J-461	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-462	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-463	true	0.00	1,500.00	1,500.00	80.22	J-981	40.20	3,361.28
J-464	true	0.55	1,500.00	1,500.55	81.86	J-981	22.85	3,563.65
J-465	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-466	true	0.00	1,500.00	1,500.00	84.03	J-981	20.00	3,872.41
J-467	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-468	true	0.03	1,500.00	1,500.03	76.81	J-981	39.53	3,079.30
J-469	true	0.07	2,500.00	2,500.07	57.71	J-981	20.00	3,521.44
J-470	true	0.01	1,500.00	1,500.02	78.29	J-981	33.10	3,206.76
J-471	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-472	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-473	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-474	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-475	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-476	true	0.03	1,500.00	1,500.03	82.66	J-981	40.20	3,486.92
J-477	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-478	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-479	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-480	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-481	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-482	true	0.00	1,500.00	1,500.00	92.13	J-981	26.20	5,000.00
J-483	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-484	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-485	true	0.00	1,500.00	1,500.00	90.32	J-981	20.00	4,857.75
J-486	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A

Title: INITIAL RUN

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Page 10 of 15

Scenario: 2010
Fire Flow Analysis
Fire Flow Report

Label	Satisfies Fire Flow Constraints?	Base Flow (gpm)	Needed Fire Flow (gpm)	Total Flow Needed (gpm)	Calculated Residual Pressure @ Total Flow Needed (psi)	Calculated Minimum Zone Junction @ Total Flow Needed	Calculated Minimum Zone Pressure (psi)	Available Fire Flow (gpm)
J-487	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-488	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-489	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A
J-490	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A
J-491	false	4.86	0.00	N/A	N/A	N/A	N/A	N/A
J-492	false	4.86	0.00	N/A	N/A	N/A	N/A	N/A
J-493	false	5.84	0.00	N/A	N/A	N/A	N/A	N/A
J-494	false	6.81	0.00	N/A	N/A	N/A	N/A	N/A
J-495	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-496	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-497	false	31.36	0.00	N/A	N/A	N/A	N/A	N/A
J-498	false	12.65	0.00	N/A	N/A	N/A	N/A	N/A
J-499	true	0.00	1,500.00	1,500.00	74.94	J-981	21.37	2,832.95
J-500	true	9.73	1,500.00	1,509.73	76.28	J-981	20.00	2,851.69
J-501	true	11.55	1,500.00	1,511.55	77.13	J-981	20.43	2,738.56
J-502	true	15.58	1,500.00	1,515.58	74.96	J-981	27.35	2,642.58
J-503	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-504	true	0.00	1,500.00	1,500.00	78.96	J-981	43.05	5,000.00
J-505	false	0.01	0.00	N/A	N/A	N/A	N/A	N/A
J-506	true	0.00	1,500.00	1,500.00	80.41	J-981	28.13	5,000.00
J-507	false	6.83	0.00	N/A	N/A	N/A	N/A	N/A
J-508	true	11.67	1,500.00	1,511.67	75.16	J-981	20.00	4,904.63
J-509	false	6.81	0.00	N/A	N/A	N/A	N/A	N/A
J-510	true	7.78	1,500.00	1,507.78	65.78	J-981	41.33	3,166.55
J-511	true	12.65	1,500.00	1,512.65	74.86	J-981	25.00	5,000.00
J-512	false	5.84	0.00	N/A	N/A	N/A	N/A	N/A
J-513	false	7.79	0.00	N/A	N/A	N/A	N/A	N/A
J-514	true	5.84	1,500.00	1,505.84	72.12	J-981	27.52	5,000.00
J-515	true	7.78	1,500.00	1,507.78	76.32	J-981	26.27	5,000.00
J-516	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A
J-517	false	5.84	0.00	N/A	N/A	N/A	N/A	N/A
J-518	true	2.92	1,500.00	1,502.92	71.16	J-981	20.42	5,000.00
J-519	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A
J-520	true	5.84	1,500.00	1,505.84	70.89	J-981	26.03	5,000.00
J-521	false	2.92	0.00	N/A	N/A	N/A	N/A	N/A
J-522	true	6.81	1,500.00	1,506.81	63.61	J-981	20.00	2,680.64
J-523	true	2.25	1,500.00	1,502.25	54.44	J-981	20.00	2,680.59
J-524	false	16.61	0.00	N/A	N/A	N/A	N/A	N/A
J-525	true	2.92	1,500.00	1,502.92	73.22	J-981	20.00	2,846.10
J-527	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-528	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-529	false	12.63	0.00	N/A	N/A	N/A	N/A	N/A
J-530	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-531	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A
J-532	true	7.78	1,500.00	1,507.78	77.15	J-981	20.22	3,745.06
J-533	false	1.95	0.00	N/A	N/A	N/A	N/A	N/A
J-534	true	7.78	1,500.00	1,507.78	74.86	J-981	20.22	3,430.23
J-535	false	2.92	0.00	N/A	N/A	N/A	N/A	N/A

Scenario: 2010
Fire Flow Analysis
Fire Flow Report

Label	Satisfies Fire Flow Constraints?	Base Flow (gpm)	Needed Fire Flow (gpm)	Total Flow Needed (gpm)	Calculated Residual Pressure @ Total Flow Needed (psi)	Calculated Minimum Zone Junction @ Total Flow Needed	Calculated Minimum Zone Pressure (psi)	Available Fire Flow (gpm)
J-536	true	4.86	1,500.00	1,504.86	76.61	J-981	20.65	3,599.91
J-537	false	28.00	0.00	N/A	N/A	N/A	N/A	N/A
J-538	true	2.92	1,500.00	1,502.92	78.04	J-981	20.00	3,801.79
J-539	false	2.92	0.00	N/A	N/A	N/A	N/A	N/A
J-540	true	5.84	1,500.00	1,505.84	80.22	J-981	20.00	4,235.94
J-541	false	1.95	0.00	N/A	N/A	N/A	N/A	N/A
J-542	true	13.62	1,500.00	1,513.62	82.56	J-981	21.12	4,917.81
J-543	true	6.29	1,500.00	1,506.29	91.54	J-981	34.28	5,000.00
J-544	true	9.30	1,500.00	1,509.30	91.38	J-981	35.13	5,000.00
J-546	true	7.78	1,500.00	1,507.78	88.32	J-981	40.20	4,640.55
J-547	true	3.05	1,500.00	1,503.05	90.72	J-981	37.00	5,000.00
J-548	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-549	true	8.05	1,500.00	1,508.05	88.69	J-981	26.13	5,000.00
J-550	true	0.00	1,500.00	1,500.00	88.56	J-981	26.08	4,999.15
J-551	true	0.00	1,500.00	1,500.00	88.87	J-981	25.12	5,000.00
J-552	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-553	true	24.32	1,500.00	1,524.32	89.33	J-981	25.66	5,000.00
J-554	true	19.46	1,500.00	1,519.46	89.20	J-981	24.56	4,965.12
J-555	true	10.70	1,500.00	1,510.70	88.00	J-981	20.00	4,733.35
J-556	false	11.73	0.00	N/A	N/A	N/A	N/A	N/A
J-557	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-558	false	11.26	0.00	N/A	N/A	N/A	N/A	N/A
J-559	true	15.57	1,500.00	1,515.57	88.33	J-981	20.22	4,842.57
J-560	false	7.78	0.00	N/A	N/A	N/A	N/A	N/A
J-561	true	7.78	1,500.00	1,507.78	90.39	J-981	28.50	5,000.00
J-562	true	0.00	1,500.00	1,500.00	90.67	J-981	34.35	5,000.00
J-563	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-564	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A
J-565	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A
J-566	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-567	true	3.39	1,500.00	1,503.39	92.52	J-981	36.14	5,000.00
J-568	false	13.44	0.00	N/A	N/A	N/A	N/A	N/A
J-569	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-570	false	12.32	0.00	N/A	N/A	N/A	N/A	N/A
J-571	true	22.38	1,500.00	1,522.38	69.36	J-981	20.02	2,965.13
J-572	true	12.65	1,500.00	1,512.65	74.37	J-981	20.02	2,965.14
J-573	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-574	true	9.73	1,500.00	1,509.73	74.89	J-981	20.02	2,965.15
J-575	false	7.79	0.00	N/A	N/A	N/A	N/A	N/A
J-576	true	12.65	1,500.00	1,512.65	71.20	J-981	20.01	2,965.55
J-577	true	16.54	1,500.00	1,516.54	74.50	J-981	20.02	2,965.12
J-578	false	6.81	0.00	N/A	N/A	N/A	N/A	N/A
J-579	true	14.59	1,500.00	1,514.59	73.98	J-981	20.02	2,965.12
J-580	false	4.86	0.00	N/A	N/A	N/A	N/A	N/A
J-581	false	0.97	0.00	N/A	N/A	N/A	N/A	N/A
J-582	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A
J-583	true	3.89	1,500.00	1,503.89	74.29	J-981	20.02	2,965.12
J-584	false	3.89	0.00	N/A	N/A	N/A	N/A	N/A

Scenario: 2010
Fire Flow Analysis
Fire Flow Report

Label	Satisfies Fire Flow Constraints?	Base Flow (gpm)	Needed Fire Flow (gpm)	Total Flow Needed (gpm)	Calculated Residual Pressure @ Total Flow Needed (psi)	Calculated Minimum Zone Junction @ Total Flow Needed	Calculated Minimum Zone Pressure (psi)	Available Fire Flow (gpm)
J-585	true	0.00	1,500.00	1,500.00	67.57	J-981	20.00	2,965.85
J-586	false	5.84	0.00	N/A	N/A	N/A	N/A	N/A
J-587	true	7.78	1,500.00	1,507.78	52.28	J-981	27.37	3,450.61
J-588	true	0.00	1,500.00	1,500.00	78.30	J-981	20.00	4,014.74
J-589	false	0.26	0.00	N/A	N/A	N/A	N/A	N/A
J-590	true	0.00	1,500.00	1,500.00	70.99	J-981	26.52	3,146.01
J-591	false	0.36	0.00	N/A	N/A	N/A	N/A	N/A
J-592	true	0.55	1,500.00	1,500.55	68.35	J-981	28.02	2,968.39
J-593	false	77.59	0.00	N/A	N/A	N/A	N/A	N/A
J-594	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-595	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-596	true	0.00	1,500.00	1,500.00	79.39	J-981	20.00	3,895.72
J-597	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-598	true	0.00	1,500.00	1,500.00	79.01	J-981	20.00	3,851.59
J-599	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-600	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-601	false	5.64	0.00	N/A	N/A	N/A	N/A	N/A
J-602	true	9.84	1,500.00	1,509.84	68.56	J-981	25.78	3,115.77
J-603	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-604	true	0.00	1,500.00	1,500.00	61.70	J-981	30.06	2,560.41
J-605	true	2.87	1,500.00	1,502.87	77.83	J-981	20.00	3,772.06
J-606	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-607	true	2.01	1,500.00	1,502.01	79.14	J-981	20.00	3,618.17
J-608	true	0.00	1,500.00	1,500.00	74.23	J-981	20.00	3,618.18
J-609	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-610	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-611	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-612	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-613	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-614	false	15.68	0.00	N/A	N/A	N/A	N/A	N/A
J-615	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-616	false	15.68	0.00	N/A	N/A	N/A	N/A	N/A
J-617	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-618	false	7.84	0.00	N/A	N/A	N/A	N/A	N/A
J-619	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-620	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-621	true	0.11	1,500.00	1,500.11	91.80	J-981	31.33	5,000.00
J-622	true	0.00	1,500.00	1,500.00	90.51	J-981	20.13	5,000.00
J-623	false	8.96	0.00	N/A	N/A	N/A	N/A	N/A
J-624	true	0.00	1,500.00	1,500.00	91.45	J-981	30.90	5,000.00
J-625	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-628	false	7.84	0.00	N/A	N/A	N/A	N/A	N/A
J-636	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-637	true	13.62	1,500.00	1,513.62	80.38	J-981	20.01	3,710.41
J-638	false	15.68	0.00	N/A	N/A	N/A	N/A	N/A
J-639	true	27.74	1,500.00	1,527.74	69.09	J-981	43.36	2,628.51
J-640	false	39.20	0.00	N/A	N/A	N/A	N/A	N/A
J-650	false	22.38	0.00	N/A	N/A	N/A	N/A	N/A

Scenario: 2010
Fire Flow Analysis
Fire Flow Report

Label	Satisfies Fire Flow Constraints?	Base Flow (gpm)	Needed Fire Flow (gpm)	Total Flow Needed (gpm)	Calculated Residual Pressure @ Total Flow Needed (psi)	Calculated Minimum Zone Junction @ Total Flow Needed	Calculated Minimum Zone Pressure (psi)	Available Fire Flow (gpm)
J-651	false	12.65	0.00	N/A	N/A	N/A	N/A	N/A
J-653	false	16.54	0.00	N/A	N/A	N/A	N/A	N/A
J-654	false	21.40	0.00	N/A	N/A	N/A	N/A	N/A
J-655	false	18.48	0.00	N/A	N/A	N/A	N/A	N/A
J-656	false	23.68	0.00	N/A	N/A	N/A	N/A	N/A
J-657	false	16.54	0.00	N/A	N/A	N/A	N/A	N/A
J-658	false	0.30	0.00	N/A	N/A	N/A	N/A	N/A
J-659	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-660	false	0.62	0.00	N/A	N/A	N/A	N/A	N/A
J-661	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-750	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-751	false	4.86	1,500.00	N/A	N/A	N/A	N/A	N/A
J-752	false	20.81	1,500.00	N/A	N/A	N/A	N/A	N/A
J-813	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-814	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-822	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-823	true	0.00	1,500.00	1,500.00	42.72	J-138	41.82	1,501.00
J-824	true	0.00	1,500.00	1,500.00	38.48	J-150	38.87	1,501.00
J-825	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-826	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-827	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-828	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-829	true	0.00	2,500.00	2,500.00	68.35	J-981	20.00	4,000.72
J-830	true	0.00	2,500.00	2,500.00	68.03	J-981	20.00	3,998.69
J-831	false	109.76	0.00	N/A	N/A	N/A	N/A	N/A
J-832	true	0.00	2,500.00	2,500.00	68.12	J-981	20.00	3,997.28
J-833	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-834	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-835	true	0.00	2,500.00	2,500.00	68.33	J-981	20.00	3,996.36
J-836	true	0.00	2,500.00	2,500.00	68.42	J-981	20.00	3,995.29
J-837	true	0.00	2,500.00	2,500.00	68.87	J-981	20.00	3,992.98
J-838	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-840	true	0.00	2,500.00	2,500.00	68.87	J-981	20.00	4,002.08
J-842	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-844	false	0.68	1,500.00	N/A	N/A	N/A	N/A	N/A
J-845	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-846	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-847	false	2.04	1,500.00	N/A	N/A	N/A	N/A	N/A
J-848	false	1.37	1,500.00	N/A	N/A	N/A	N/A	N/A
J-849	false	1.37	1,500.00	N/A	N/A	N/A	N/A	N/A
J-850	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-851	true	0.00	1,500.00	1,500.00	72.48	J-981	35.86	1,501.00
J-852	true	0.00	1,500.00	1,500.00	71.99	J-981	35.86	1,501.00
J-853	false	0.00	0.00	N/A	N/A	N/A	N/A	N/A
J-901	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-906	false	4.26	1,500.00	N/A	N/A	N/A	N/A	N/A
J-917	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A
J-981	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A

Title: INITIAL RUN

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Project Engineer: DMC

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Page 14 of 15

Scenario: 2010
Fire Flow Analysis
Fire Flow Report

Label	Satisfies Fire Flow Constraints?	Base Flow (gpm)	Needed Fire Flow (gpm)	Total Flow Needed (gpm)	Calculated Residual Pressure @ Total Flow Needed (psi)	Calculated Minimum Zone Junction @ Total Flow Needed	Calculated Minimum Zone Pressure (psi)	Available Fire Flow (gpm)
J-982	false	0.00	1,500.00	N/A	N/A	N/A	N/A	N/A

