SPRINKLER SYSTEM HYDRAULIC ANALYSIS

NFPA PIPE DATA

Pipe Tag / Frm Node / To Node	El (ft)	K-fac / PT	Vel / PN	Add Fl (q) / Tot.(Q)	Add Fl To Node/ Disch	Nom ID / Act ID	Fit: Eq.Ln. (ft.)	L / F / T	C / (Pv) / Pf/ft.	(Pt) / (Pe) / (Pf)	Not
Pipe: 1		1.68	0.4	11.0	Disch			7.00	120	0.0	
N2	59.7	42.5	42.5	-6.8	N3	2.000	----	0.00	0.0	0.0	
N1	59.7	42.5	42.5	4.2		2.067		7.00	0.000	0.0	
Pipe: 2		1.68	0.6	11.0	Disch			12.17	120	2.5	
N3	53.9	45.1	45.1	-4.2	N2	2.000	2E:10	10.00	0.0	-2.5	
N1	59.7	42.5	42.5	6.8		2.067		22.17	0.001	0.0	
Pipe: 3		1.68	1.7	11.3	Disch			7.00	120	0.0	
N4	53.9	45.1	45.0	6.8	N1	2.000	----	0.00	0.0	0.0	
N3	53.9	45.1	45.1	18.1		2.067		7.00	0.004	0.0	
Pipe: 4		1.68	2.8	11.3	Disch			2.79	120	0.0	
1	53.9	45.1	45.0	18.1	N3	2.000	----	0.00	0.1	0.0	
N4	53.9	45.1	45.0	29.3		2.067		2.79	0.010	0.0	
Pipe: 5		1.68	1.4	11.0	Disch			8.63	120	2.6	
1	53.9	45.1	45.0	4.2	N1	2.000	E: 5	15.00	0.0	-2.5	
N2	59.7	42.5	42.5	15.1		2.067	T:10	23.63	0.003	0.1	
Pipe: 6		0.0	4.3	15.1	N2			31.31	120	10.1	
3	33.6	55.2	52.4	29.3	N4	2.000	6E:30	30.00	0.1	-8.8	
1	53.9	45.1	45.0	44.5		2.067		61.31	0.021	1.3	
Pipe: 7		6.64	1.9	42.6	Disch			6.25	120	0.1	
N5	28.2	41.2	41.0	-23.1	N8	2.000	E: 5	5.00	0.0	0.0	
N7	28.2	41.2	41.2	19.5		2.067		11.25	0.005	0.1	
Pipe: 8		6.64	2.2	42.6	Disch			6.25	120	0.1	
N8	28.2	41.3	41.0	-19.5	N5	2.000	E: 5	5.00	0.0	0.0	
N7	28.2	41.2	41.2	23.1		2.067		11.25	0.006	0.1	
Pipe: 9		6.64	6.3	42.5	Disch			3.41	120	0.8	
2	28.2	42.1	40.3	23.1	N7	2.000	E: 5	15.00	0.3	0.0	
N8	28.2	41.3	41.0	65.6		2.067	T:10	18.41	0.043	0.8	
Pipe: 10		6.64	5.9	42.5	Disch			6.88	120	0.5	
N6	28.2	41.7	41.0	19.5	N7	2.000	E: 5	5.00	0.2	0.0	
N5	28.2	41.2	41.0	62.1		2.067		11.88	0.039	0.5	
			6.64	42.5	Disch						
Pipe: 11			10.0	0.0				3.42	120	0.3	
2	28.2	42.1	40.3	62.1	N5	2.000	----	0.00	0.7	0.0	
N6	28.2	41.7	41.0	104.6		2.067		3.42	0.102	0.3	
Pipe: 12		0.0	16.3	104.6	N6			26.61	120	13.1	
3	33.6	55.2	52.4	65.6	N8	2.000	5E:25	35.00	1.8	2.3	
2	28.2	42.1	40.3	170.2		2.067	T:10	61.61	0.251	15.5	
Pipe: 13		1.68	0.8	13.5	Disch			11.33	120	2.5	
N11	53.9	67.0	67.0	-5.2	N10	2.000	2E:10	10.00	0.0	-2.5	
N9	59.7	64.5	64.5	8.3		2.067		21.33	0.001	0.0	