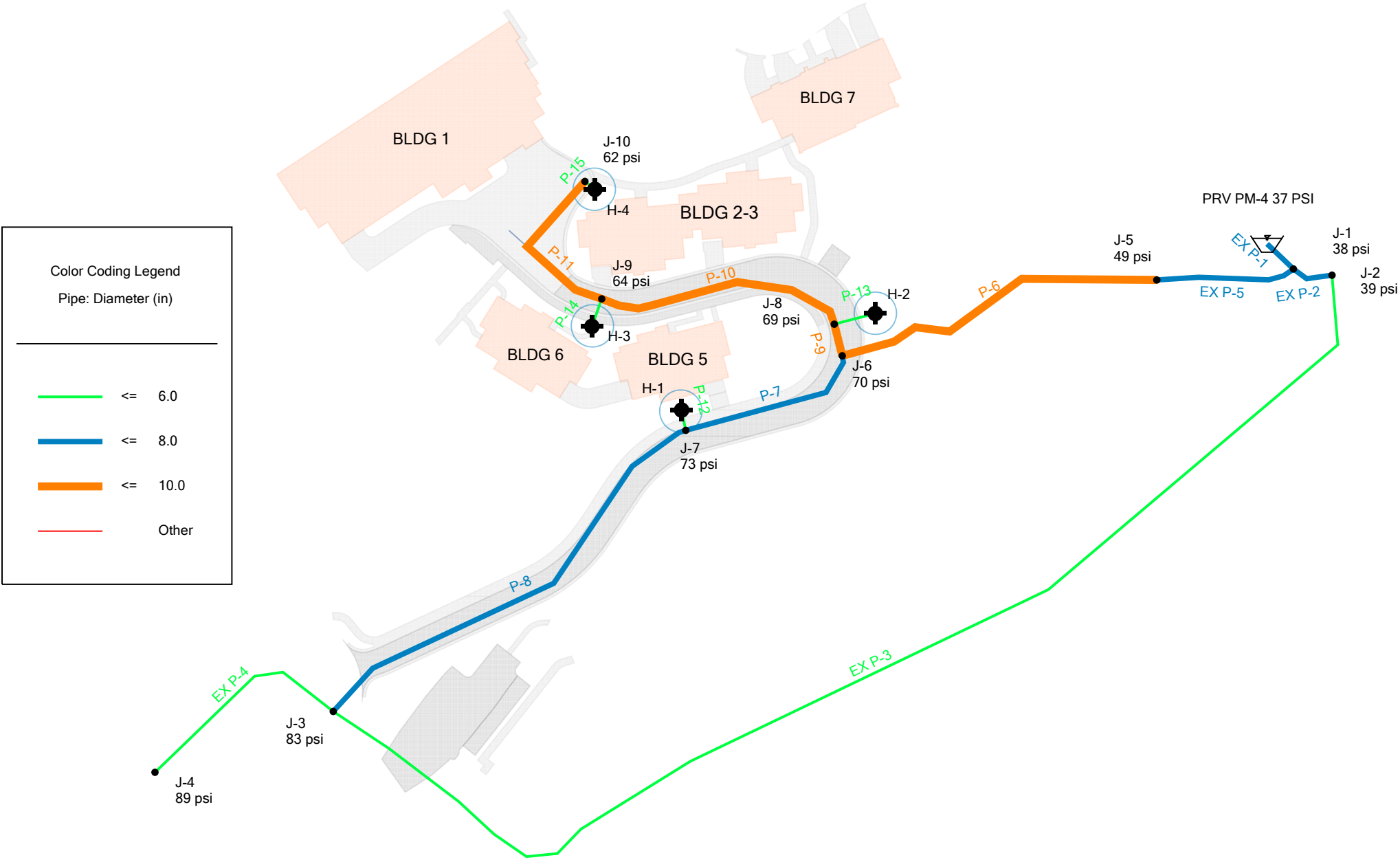


Scenario: Fire Flow 10" from Tie in



FlexTable: Pipe Table

ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Has Check Valve?	Minor Loss Coefficient (Local)	Flow (gpm)	Velocity (ft/s)	Headloss Gradient (ft/ft)	Has User Defined Length?	Length (User Defined) (ft)
32	EX P-1	30	PRV PM-4 37 PSI	J-1	8.0	Ductile Iron	130.0	False	0.000	0	0.00	0.000	False	0
59	EX P-2	34		J-2	8.0	Ductile Iron	130.0	False	0.000	0	0.00	0.000	False	0
60	EX P-3	1,041		J-3	6.0	Ductile Iron	130.0	False	0.000	0	0.00	0.000	False	0
36	EX P-4	187		J-4	6.0	Ductile Iron	130.0	False	0.000	0	0.00	0.000	False	0
38	EX P-5	113		J-5	8.0	Ductile Iron	130.0	False	0.000	0	0.00	0.000	False	0
40	P-6	275	J-5	J-6	10.0	Ductile Iron	130.0	False	0.000	0	0.00	0.000	False	0
42	P-7	152	J-6	J-7	8.0	Ductile Iron	130.0	False	0.000	0	0.00	0.000	False	0
43	P-8	377	J-7	J-3	8.0	Ductile Iron	130.0	False	0.000	0	0.00	0.000	False	0
45	P-9	26	J-6	J-8	10.0	Ductile Iron	130.0	False	0.000	0	0.00	0.000	False	0
47	P-10	205	J-8	J-9	10.0	Ductile Iron	130.0	False	0.000	0	0.00	0.000	False	0
49	P-11	146	J-9	J-10	10.0	Ductile Iron	130.0	False	0.000	0	0.00	0.000	False	0
51	P-12	17	J-7	H-1	6.0	Ductile Iron	130.0	False	0.000	0	0.00	0.000	False	0
53	P-13	34	J-8	H-2	6.0	Ductile Iron	130.0	False	0.000	0	0.00	0.000	False	0
55	P-14	24	J-9	H-3	6.0	Ductile Iron	130.0	False	0.000	0	0.00	0.000	False	0
57	P-15	10	J-10	H-4	6.0	Ductile Iron	130.0	False	0.000	0	0.00	0.000	False	0

FlexTable: Junction Table

ID	Label	Elevation (ft)	Zone	Demand Collection	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
31	J-1	7,062.50	<None>	<Collection: 0 items>	0	7,150.47	38
58	J-2	7,061.40	<None>	<Collection: 0 items>	0	7,150.47	39
33	J-3	6,958.10	<None>	<Collection: 0 items>	0	7,150.47	83
35	J-4	6,944.20	<None>	<Collection: 0 items>	0	7,150.47	89
37	J-5	7,037.50	<None>	<Collection: 0 items>	0	7,150.47	49
39	J-6	6,989.80	<None>	<Collection: 0 items>	0	7,150.47	70
41	J-7	6,981.00	<None>	<Collection: 0 items>	0	7,150.47	73
44	J-8	6,990.90	<None>	<Collection: 0 items>	0	7,150.47	69
46	J-9	7,001.90	<None>	<Collection: 0 items>	0	7,150.47	64
48	J-10	7,006.20	<None>	<Collection: 0 items>	0	7,150.47	62

Fire Flow Node FlexTable: Fire Flow Report

Label	Zone	Fire Flow Iterations	Satisfies Fire Flow Constraints?	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (System Lower Limit) (psi)	Pressure (Calculated System Lower Limit) (psi)
H-1	<None>	2	True	4,000	4,500	4,000	4,500	20	30	20	34	J-1	(N/A)	34
H-2	<None>	2	True	4,000	4,500	4,000	4,500	20	26	20	34	J-1	(N/A)	34
H-3	<None>	2	True	4,000	4,426	4,000	4,426	20	20	20	30	H-4	(N/A)	30
H-4	<None>	2	True	4,000	4,350	4,000	4,350	20	20	20	25	J-10	(N/A)	25
J-1	<None>	2	True	4,000	4,500	4,000	4,500	20	34	20	35	J-2	(N/A)	35
J-3	<None>	2	True	4,000	4,500	4,000	4,500	20	28	20	34	J-4	(N/A)	34
J-4	<None>	2	False	4,000	2,937	4,000	2,937	20	20	20	36	J-1	(N/A)	36
J-5	<None>	2	True	4,000	4,500	4,000	4,500	20	34	20	34	J-1	(N/A)	34
J-6	<None>	2	True	4,000	4,500	4,000	4,500	20	46	20	34	J-1	(N/A)	34
J-7	<None>	2	True	4,000	4,500	4,000	4,500	20	39	20	34	J-1	(N/A)	34
J-8	<None>	2	True	4,000	4,500	4,000	4,500	20	45	20	34	J-1	(N/A)	34
J-9	<None>	2	True	4,000	4,500	4,000	4,500	20	31	20	29	H-4	(N/A)	29
J-10	<None>	2	True	4,000	4,500	4,000	4,500	20	23	20	23	H-4	(N/A)	23
J-2	<None>	2	True	4,000	4,500	4,000	4,500	20	31	20	34	J-1	(N/A)	34
Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?													
J-1	True													
J-1	True													
H-4	True													
J-10	True													
J-2	True													
J-4	True													
J-1	True													
J-1	True													
J-1	True													
J-1	True													
J-1	True													
H-4	True													
H-4	True													
J-1	True													