

Calculated Data for expl\_3.db

Line Label	Pipe Dia inches	Pipe Length	Flow			Head Loss		Pressure Drop psig	Velocity	
			ft^3/s	USGPM	m^3/s	feet	meters		ft/s	m/s
A	5.91	3281.0	0.087	38.97	0.002	0.558	0.17	0.24	0.46	0.14
B	5.91	3937.2	-3.921	-1760.01	-0.111	734.776	223.96	317.95	20.59	6.28
C	5.91	4921.5	4.627	2076.7	0.131	1263.487	385.111	546.74	24.3	7.41
D	7.87	4921.5	5.685	2551.74	0.161	440.347	134.218	190.55	16.79	5.12
E	11.81	3281.0	3.618	1623.68	0.102	16.714	5.095	7.23	4.75	1.45
F	11.81	6562.0	-2.773	-1244.76	-0.079	20.427	6.226	8.84	3.64	1.11
G	9.84	3937.2	4.147	1861.2	0.117	63.615	19.39	27.53	7.84	2.39
H	5.91	6562.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I	5.91	3281.0	-3.303	-1482.28	-0.094	440.35	134.219	190.55	17.34	5.29

Node Label	Elevation		Head		Pressure	
	feet	meters	feet	meters	psig	kPa
g	0.0	0.0	702.122	214.01	303.86	2093.53
e	462.0	140.0	200.0	60.96	86.55	596.34
origin	0.0	0.0	135.0	41.15	58.42	402.53
a	198.0	60.0	134.442	40.98	58.18	400.87
h	0.0	0.0	200.0	60.96	86.55	596.34
d	495.0	150.0	183.286	55.87	79.32	546.51
b	264.0	80.0	869.218	264.94	376.17	2591.76
i	231.0	70.0	-305.907	-93.24	-132.39	-912.13
c	330.0	100.0	-257.061	-78.35	-111.25	-766.48

Pump Node	Head		Flow	
	feet	meters	USGPM	m^3/hr
g	111.722	34.053	1861.071	422.722

Line Label	Valve Type	Set Pressure			Upstream Pressure			Downstream Pressure		
		feet	psig	kPa	feet	psig	kPa	feet	psig	kPa
F	BPV	639.6	84.39	581.87	183.29	79.22	546.2	-305.91	-132.22	-911.62