

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	6.06	3281.0	0.259	116.11	0.007	3.435	1.047	1.49	1.29	0.39
B	5.91	3937.2	-0.533	-239.3	-0.015	17.418	5.309	7.54	2.8	0.85
C	5.91	4921.5	1.239	555.99	0.035	103.371	31.507	44.73	6.5	1.98
D	7.87	4921.5	2.297	1031.03	0.065	79.19	24.137	34.27	6.78	2.07
E	11.81	3281.0	3.446	1546.53	0.098	15.269	4.654	6.61	4.52	1.38
F	12.0	6562.0	0.443	198.8	0.013	0.677	0.206	0.29	0.56	0.17
G	9.84	3937.2	3.902	1751.39	0.11	56.748	17.297	24.56	7.38	2.25
H	5.91	6562.0	0.073	32.66	0.002	0.817	0.249	0.35	0.38	0.12
I	5.91	3281.0	-0.086	-38.72	-0.002	0.552	0.168	0.24	0.45	0.14

Node Label	Elevation		Head		Pressure	
	feet	meters	feet	meters	psig	kPa
g	0.0	0.0	703.387	214.39	304.4	2097.3
e	462.0	140.0	199.183	60.71	86.2	593.91
origin	0.0	0.0	135.0	41.15	58.42	402.53
a	198.0	60.0	131.565	40.1	56.94	392.29
h	0.0	0.0	200.0	60.96	86.55	596.34
d	462.0	140.0	183.914	56.06	79.59	548.38
b	264.0	80.0	148.983	45.41	64.47	444.22
i	231.0	70.0	131.013	39.93	56.7	390.64
c	330.0	100.0	104.724	31.92	45.32	312.26

Pump Node	Head		Flow	
	feet	meters	USGPM	m ³ /hr
g	112.987	34.438	1751.277	397.783

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	183.91	79.49	548.07	131.01	56.62	390.43