

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	3.185	1429.57	0.09	410.853	125.228	177.79	16.72	5.1
B	5.91	3937.2	-1.386	-621.93	-0.039	101.977	31.083	44.13	7.28	2.22
C	5.91	4921.5	2.091	938.63	0.059	276.672	84.33	119.72	10.98	3.35
D	7.87	4921.5	3.15	1413.67	0.089	143.291	43.675	62.01	9.3	2.84
E	11.81	3281.0	0.519	233.08	0.015	0.485	0.148	0.21	0.68	0.21
F	7.87	6562.0	-3.336	-1497.29	-0.094	212.951	64.908	92.15	9.85	3.0
G	9.84	393.72	-0.0	-0.1	-0.0	0.0	0.0	0.0	0.0	0.0
H	5.91	6562.0	1.049	470.7	0.03	101.059	30.803	43.73	5.51	1.68
I	5.91	3281.0	-3.865	-1734.81	-0.109	595.562	181.527	257.71	20.3	6.19

Node Label	Elevation		Head		Pressure	
	feet	meters	feet	meters	psig	kPa
g	0.0	0.0	715.446	218.07	309.62	44.91
e	462.0	140.0	98.941	30.16	42.82	6.21
origin	0.0	0.0	135.0	41.15	58.42	8.47
a	198.0	60.0	-275.853	-84.08	-119.38	-17.31
h	0.0	0.0	200.0	60.96	86.55	12.55
d	495.0	150.0	98.456	30.01	42.61	6.18
b	264.0	80.0	-173.875	-53.0	-75.25	-10.91
i	231.0	70.0	-871.415	-265.61	-377.12	-54.69
c	330.0	100.0	-44.835	-13.67	-19.4	-2.81

Pump Node	Head		Flow	
	feet	meters	USGPM	m^3/hr
g	125.046	38.114	-0.099	-0.023

Line Label	Valve Type	Set Pressure			Upstream Pressure			Downstream Pressure		
		feet	psig	kPa	feet	psig	kPa	feet	psig	kPa
F	BPV	195	84.39	581.87	98.46	42.55	293.4	-871.42	-376.63	-2596.87