

## 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	0.26	116.53	0.007	3.932	1.198	1.7	1.36	0.42
B	5.91	3937.2	-0.535	-240.12	-0.015	17.528	5.342	7.58	2.81	0.86
C	5.91	4921.5	1.241	556.82	0.035	103.657	31.595	44.85	6.51	1.99
D	7.87	4921.5	2.299	1031.86	0.065	79.308	24.173	34.32	6.79	2.07
E	11.81	3281.0	3.445	1546.12	0.098	15.261	4.652	6.6	4.52	1.38
F	11.81	6562.0	0.44	197.57	0.012	0.722	0.22	0.31	0.58	0.18
G	9.84	3937.2	3.902	1751.22	0.11	56.738	17.294	24.55	7.38	2.25
H	5.91	6562.0	0.072	32.42	0.002	0.807	0.246	0.35	0.38	0.12
I	5.91	3281.0	-0.089	-39.95	-0.003	0.583	0.178	0.25	0.47	0.14

Node Label	Elevation		Head		Pressure	
	feet	meters	feet	meters	psig	kPa
g	0.0	0.0	703.389	214.39	304.4	2097.31
e	462.0	140.0	199.193	60.71	86.2	593.94
origin	0.0	0.0	135.0	41.15	58.42	402.53
a	198.0	60.0	131.068	39.95	56.72	390.81
h	0.0	0.0	200.0	60.96	86.55	596.34
d	462.0	140.0	183.932	56.06	79.6	548.43
b	264.0	80.0	148.596	45.29	64.31	443.07
i	231.0	70.0	130.485	39.77	56.47	389.07
c	330.0	100.0	104.624	31.89	45.28	311.96

Pump Node	Head		Flow	
	feet	meters	USGPM	m^3/hr
g	112.989	34.439	1751.106	397.745

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	183.93	79.5	548.13	130.49	56.4	388.85