

Calculated Data for expl_7.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	12.0	1000.0	3.101	1391.83	0.088	3.389	1.033	1.47	3.94	1.2
B	8.0	1000.0	1.133	508.61	0.032	3.852	1.174	1.67	3.24	0.99
C	10.0	1200.0	0.101	45.26	0.003	0.021	0.007	0.01	0.18	0.06
D	10.0	900.0	2.062	925.41	0.058	3.5	1.067	1.51	3.78	1.15
E	10.0	1000.0	-0.562	-252.17	-0.016	0.373	0.114	0.16	1.03	0.31
F	10.0	2500.0	1.406	631.05	0.04	4.859	1.481	2.1	2.57	0.78
G	8.0	1000.0	-0.532	-238.93	-0.015	0.988	0.301	0.43	1.52	0.46
H	10.0	1400.0	0.085	37.97	0.002	0.018	0.006	0.01	0.15	0.05
I	12.0	2000.0	1.652	741.42	0.047	2.163	0.659	0.94	2.1	0.64
J	8.0	1200.0	0.74	332.34	0.021	2.145	0.654	0.93	2.12	0.65
K	8.0	1300.0	0.695	311.86	0.02	2.072	0.632	0.9	1.99	0.61
L	10.0	1600.0	0.195	87.44	0.006	0.091	0.028	0.04	0.36	0.11
M	10.0	1000.0	0.587	263.54	0.017	0.404	0.123	0.17	1.08	0.33
N	10.0	1300.0	1.413	634.12	0.04	2.549	0.777	1.1	2.59	0.79
O	12.0	900.0	1.663	746.26	0.047	0.985	0.3	0.43	2.11	0.64
P	12.0	500.0	1.899	852.32	0.054	0.696	0.212	0.3	2.41	0.74

Node Label	Elevation		Head		Pressure	
	feet	meters	feet	meters	psig	kPa
origin	0.0	0.0	183.014	55.78	79.2	545.69
a	0.0	0.0	179.625	54.75	77.74	535.59
p	0.0	0.0	150.0	45.72	64.92	447.26
g	0.0	0.0	149.304	45.51	64.61	445.18
b	0.0	0.0	150.292	45.81	65.04	448.13
d	0.0	0.0	179.252	54.64	77.57	534.48
f	0.0	0.0	149.286	45.5	64.61	445.13
k	0.0	0.0	147.232	44.88	63.72	439.0
i	0.0	0.0	147.141	44.85	63.68	438.73
c	0.0	0.0	175.751	53.57	76.06	524.04
m	0.0	0.0	146.737	44.73	63.5	437.53

Pump Node	Head		Flow	
	feet	meters	USGPM	m^3/hr
origin	183.014	55.783	1391.737	316.118