

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	2.802	1257.81	0.079	3.914	1.193	1.69	3.56	1.09
B	8.0	1000.0	1.049	470.71	0.03	4.637	1.413	2.01	3.0	0.91
C	10.0	1200.0	0.09	40.24	0.003	0.019	0.006	0.01	0.16	0.05
D	10.0	900.0	1.937	869.28	0.055	4.377	1.334	1.89	3.55	1.08
E	10.0	1000.0	-0.437	-196.03	-0.012	0.279	0.085	0.12	0.8	0.24
F	10.0	2500.0	1.317	591.07	0.037	5.738	1.749	2.48	2.41	0.74
G	8.0	1000.0	-0.459	-206.06	-0.013	0.943	0.287	0.41	1.31	0.4
H	10.0	1400.0	0.269	120.53	0.008	0.158	0.048	0.07	0.49	0.15
I	12.0	2000.0	1.683	755.29	0.048	2.904	0.885	1.26	2.14	0.65
J	8.0	1200.0	0.729	327.06	0.021	2.746	0.837	1.19	2.09	0.64
K	8.0	1300.0	0.705	316.58	0.02	2.794	0.852	1.21	2.02	0.62
L	10.0	1600.0	0.205	92.17	0.006	0.11	0.034	0.05	0.38	0.11
M	10.0	1000.0	0.617	276.85	0.017	0.535	0.163	0.23	1.13	0.34
N	10.0	1300.0	1.383	620.81	0.039	3.282	1.0	1.42	2.53	0.77
O	12.0	900.0	1.526	685.1	0.043	1.083	0.33	0.47	1.94	0.59
P	12.0	500.0	2.198	986.34	0.062	1.218	0.371	0.53	2.79	0.85

Node Label	Elevation		Head		Pressure	
	feet	meters	feet	meters	psig	kPa
origin	0.0	0.0	182.441	55.61	78.95	544.39
a	0.0	0.0	178.527	54.41	77.26	532.71
p	0.0	0.0	150.0	45.72	64.92	447.59
g	0.0	0.0	148.782	45.35	64.39	443.96
b	0.0	0.0	149.725	45.64	64.8	446.77
d	0.0	0.0	178.248	54.33	77.14	531.88
f	0.0	0.0	148.624	45.3	64.32	443.48
k	0.0	0.0	145.987	44.5	63.18	435.62
i	0.0	0.0	145.877	44.46	63.13	435.29
c	0.0	0.0	173.871	53.0	75.25	518.82
m	0.0	0.0	145.342	44.3	62.9	433.69

Pump Node	Head		Flow	
	feet	meters	USGPM	m^3/hr
origin	182.441	55.608	1257.729	285.679