

Calculated Data for expl_5.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	8.0	1000.0	0.842	378.05	0.024	3.127	0.953	1.35	2.41	0.73
B	6.0	2000.0	0.667	299.29	0.019	17.513	5.338	7.58	3.39	1.03
C	8.0	2000.0	1.333	598.37	0.038	15.337	4.675	6.64	3.81	1.16
D	8.0	1000.0	0.578	259.41	0.016	1.508	0.46	0.65	1.65	0.5
E	6.0	1000.0	0.755	338.96	0.021	11.176	3.406	4.84	3.84	1.17
F	6.0	1000.0	0.175	78.76	0.005	0.668	0.204	0.29	0.89	0.27
G	6.0	1000.0	0.402	180.65	0.011	3.276	0.998	1.42	2.05	0.62

Node Label	Elevation		Head		Pressure	
	feet	meters	feet	meters	psig	kPa
origin	0.0	0.0	117.336	35.76	50.78	350.12
a	0.0	0.0	114.209	34.81	49.43	340.79
e	0.0	0.0	123.529	37.65	53.46	368.6
c	0.0	0.0	112.354	34.25	48.62	335.26
g	0.0	0.0	116.784	35.6	50.54	348.48
d	0.0	0.0	113.541	34.61	49.14	338.8
b	0.0	0.0	96.696	29.47	41.85	288.53

Pump Node	Head		Flow	
	feet	meters	USGPM	m^3/hr
origin	17.336	5.284	378.024	85.864
e	18.529	5.648	338.94	76.986
g	21.784	6.64	180.637	41.03

Line Label	Valve Type	Set Pressure			Upstream Pressure			Downstream Pressure		
		feet	psig	kPa	feet	psig	kPa	feet	psig	kPa