FRICTION LOSS, IN FEET, THROUGH 100 FEET OF PLASTIC PIPE
Pipe Diameter (inches)

FLOW (GPM)	1"		1-1/4"		1-1/2"		2"		3"		4"		6"	
	160 PSI	SCH 40	160 PSI	SCH 40	160 PSI	SCH 40	160 PSI	SCH 40	160 PSI	SCH 40	160 PSI	SCH 40	160 PSI	SCH 40
1	.05	.09												
2	.17	.32	.05	.09										
3	.36	.68	.11	.18	.06	.08								
4	.62	1.17	.18	.31	.10	.14								
5	.93	1.76	.28	.46	.14	.22	.05	.06						
6	1.31	2.47	.39	.65	.20	.31	.07	.09						
7	1.74	3.28	.52	.86	.27	.41	.09	.12						
8	2.23	4.20	.66	1.10	.34	.52	.12	.15						
9	2.77	5.22	.83	1.37	.43	.65	.14	.19						
10	3.37	6.35	1.00	1.67	.52	.79	.17	.23						
11	4.01	7.57	1.20	1.99	.62	.94	.21	.28						
12	4.72		1.41	2.34	.73	1.10	.25	.33						
13	5.47		1.63	2.71	.84	1.28	.28	.38						
14	6.27		1.87	3.11	.97	1.47	.33	.43	.05	.06				
15	7.13		2.13	3.54	1.10	1.67	.37	.49	.06	.07				
16			2.39	3.98	1.24	1.88	.42	.56	.06	.08				
17			2.68	4.46	1.39	2.10	.47	.62	.07	.09				
18			2.98	4.95	1.54	2.34	.52	.69	.08	.10				
19			3.29	5.47	1.70	2.58	.57	.77	.09	.11				
20			3.62	6.02	1.87	2.84	.63	.84	.10	.12				
25			5.47		2.83	4.29	.95	1.27	.14	.19				
30			7.67		3.96	6.02	1.34	1.78	.20	.26	.06	.07		
35					5.27		1.78	2.37	.27	.35	.08	.09		
40					6.75		2.27	3.03	.35	.44	.10	.12		
45							2.83	3.77	.43	.55	.13	.15		
50							3.44	4.58	.52	.67	.15	.18		
60							4.81	6.42	.73	.94	.21	.25		
70							6.40		.97	1.25	.29	.33		
80									1.24	1.60	.37	.43	.06	.06
90									1.55	1.99	.45	.53	.07	.07
100									1.88	2.41	.55	.64	.08	.09
125									2.84	3.65	.83	.97	.13	.13
150									3.98	5.11	1.17	1.36	.18	.19
175									5.29	6.80	1.55	1.81	.24	.25
200									6.78		1.99	2.32	.30	.32
225											2.47	2.88	.38	.39
250											3.01	3.50	.46	.48
275											3.59	4.18	.55	.57
300											4.21	4.91	.64	.67
325											4.89	5.69	.74	.77
350											5.60	6.53	.85	.89
375											6.37	7.41	.97	1.01
400											7.17		1.09	1.14
425													1.22	1.27
450													1.36	1.41
475													1.50	1.56
500													1.65	1.72
550													1.97	2.05
600													2.31	2.40
650													2.68	2.79
700													3.07	3.20
750													3.49	3.63
800													3.93	4.09
850													4.40	4.58
900													4.89	5.09
950													5.41	5.63

NOTES: *160 PSI pipe assumed to be SDR 26*

Computed by the Hazen Williams Formula, assuming C = 140:

$$h_f = \frac{0.00113\ LQ^{1.85}}{D^{4.87}}$$

h_f = *head loss (feet)*

L = *pipe length (feet)*

Q = *flow (GPM)*

D = *pipe inside diameter (inches)*