LENGTH OF PIPE	GALLONS PER HOUR												
	6" Pipe	8" Pipe	12" Pipe	16" Pipe	20" Pipe	24" Pipe	30" Pipe	36" Pipe	42" Pipe	48" Pipe	54" Pipe	60" Pipe	66" Pipe
50	0.02	0.03	0.05	0.07	0.08	0.10	0.12	0.15	0.17	0.20	0.22	0.25	0.27
100	0.05	0.07	0.10	0.13	0.17	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55
200	0.10	0.13	0.20	0.26	0.33	0.40	0.50	0.60	0.70	0.79	0.89	0.99	1.09
300	0.15	0.20	0.30	.040	0.50	0.60	0.74	0.89	1.04	1.19	1.34	1.49	1.64
400	0.20	0.26	0.40	0.53	0.66	0.79	0.99	1.19	1.39	1.59	1.79	1.99	2.18
500	0.25	0.33	0.50	0.66	0.83	0.99	1.24	1.49	1.74	1.99	2.23	2.48	2.73
600	0.30	0.40	0.60	0.79	0.99	1.19	1.49	1.79	2.09	2.38	2.68	2.98	3.28
700	0.35	0.46	0.70	0.93	1.16	1.39	1.74	2.09	2.43	2.78	3.13	3.48	3.82
800	0.40	0.53	0.79	1.06	1.32	1.59	1.99	2.38	2.78	3.18	3.57	3.97	4.37
900	0.45	0.60	0.89	1.19	1.49	1.79	2.23	2.68	3.13	3.57	4.02	4.47	4.92
1000	0.50	0.66	0.99	1.32	1.66	1.99	2.48	2.98	3.48	3.97	4.47	4.97	5.46
2500	1.24	1.66	2.48	3.31	4.14	4.97	6.21	7.45	8.69	9.93	11.17	12.41	13.65
5000	2.48	3.31	4.97	6.62	8.28	9.93	12.41	14.90	17.38	19.86	22.34	24.83	27.31
7500	3.72	4.97	7.45	9.93	12.41	14.90	18.62	22.34	26.07	29.79	33.51	37.24	40.96
10000	4.97	6.62	9.93	13.24	16.55	19.86	24.83	29.79	34.76	39.72	44.69	49.65	54.62

FORMULA: $L = \frac{SD\sqrt{P}}{148{,}000}$

Where:
L = Allowable Leakage (gal./hr.)
S = Length of pipe tested in feet.
D = Nominal pipe diameter in inches.
P = Test pressure (150 psi)

When testing against closed metal-seated valves, an additional leakage per closed valve of 0.0078 gal./hr./in. of nominal valve size will be allowed.

These calculations are based on "AWWA C-600-10" Specifications, Section 4, Hydrostatic Testing, Dated December 1, 2005.

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF WATER

APPROVED: R C Mastefield 1-26-18
ADMINISTRATOR DATE

STANDARD DETAIL

ALLOWABLE LEAKAGE TABLE

L-6640

L-6640.Dwg Revision Date: 3/5/13