

City of Salisbury Appendix B

10-17-2006

Low Pressure Sewer Line Air Testing Specifications

Table 1 Minimum Time Required for a 0.5 psig Pressure Drop for Size and Length of Pipe Indicated
Test Pressure for start of test 4.0 psig

Pipe Diameter Inches	Minimum Time Minutes	Specification Time for Length (L) Shown, Min:s							
		100 ft	150 ft	200 ft	250 ft	300 ft	350 ft	400 ft	450 ft
4	1:53	1:53	1:53	1:53	1:53	1:53	1:53	1:53	1:53
6	2:50	2:50	2:50	2:50	2:50	2:50	2:50	2:50	3:12
8	4:00	4:00	4:00	4:00	4:00	4:00	4:26	5:04	5:42
10	4:43	4:43	4:43	4:43	4:57	5:56	6:55	7:54	8:54
12	5:40	5:40	5:40	5:40	7:08	8:33	9:58	11:24	12:50
15	7:05	7:05	7:05	8:54	11:08	13:21	15:35	17:48	20:00
18	8:30	8:30	9:37	12:49	16:00	19:14	22:26	25:38	28:50
21	9:55	9:55	13:05	17:27	21:49	26:11	30:30	34:54	39:15
24	11:20	11:24	17:57	22:48	28:30	34:11	39:53	45:35	51:15
27	12:45	14:25	21:38	28:51	36:05	43:15	50:30	57:42	64:54
30	14:10	17:48	26:43	35:37	44:30	53:25	62:20	71:13	80:07
36*	17:00	25:39	38:28	51:17	64:06	76:55	89:44	102:34	115:23

* Consult with pipe manufacturer for maximum test pressure for pipe size greater than 30 in. in diameter

Safety Precautions:

This low pressure air test may be dangerous to personnel if, through lack of understanding or carelessness, a line is over pressurized or plugs/caps are installed or restrained improperly. It is extremely important that the various plugs be properly installed to prevent the sudden expulsion of a poorly installed or partially inflated plug.

Observe the following minimum safety precautions:

1. No one shall be allowed in the manhole during testing
2. Contractor to install and restrain all caps and plugs securely.
3. When lines are tested, it is mandatory that all caps and plugs be braced as an added safety factor.
4. Do not over pressurize the lines. Do not exceed 9.0 psig.
5. A regulator or relief valve set no higher than 9 psi shall be included on all pressurizing equipment.