



**Wise County Public Service Authority**

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**Gravity Sewer Line  
 Low Pressure Air Test  
 Inspection Report Form**

Project Name: \_\_\_\_\_ Phase No.: \_\_\_\_\_

Contractor: \_\_\_\_\_

Test Date	Inspector	Street Name/ Specific Location	Starting Manhole #	Ending Manhole #	Dia. (in)	Length (ft)	Material	Start Pressure (psi)	Required Time (min:sec)	Actual Time (min:sec)	End Pressure (psi)	Test Result
05/23/23	CC	Beech Street	MH100-02	MH100-03	10	82	DIP	3.5	9:26	9:26	2.4	Fail
05/26/23	MS	Beech Street	MH100-03	MH100-04	8	386	PVC	3.5	7:34	7:34	2.5	Pass

See reverse for testing procedures and allowable leakage formula. Bottom three table entries above represent example tests.

Notes:

**MINIMUM SPECIFIED TIME REQUIRED FOR A 1.0 PSIG PRESSURE DROP  
FOR A SIZE AND LENGTH OF PIPE INDICATED FOR Q = 0.0015**

1 PIPE DIAMETER (IN)	2 MINIMUM TIME (MIN:SEC)	3 LENGTH FOR MINIMUM TIME (FT)	4 TIME FOR LONGER LENGTH (SEC)	SPECIFICATION TIME FOR LENGTH (L) SHOWN (MIN:SEC)								
				100 FT	150 FT	200 FT	250 FT	300 FT	350 FT	400FT	450 FT	
4	3:46	597	.380 L	3:46	3:46	3:46	3:46	3:46	3:46	3:46	3:46	3:46
6	5:40	398	.854 L	5:40	5:40	5:40	5:40	5:40	5:40	5:40	5:42	6:24
8	7:34	298	1.520 L	7:34	7:34	7:34	7:34	7:36	8:52	10:08	11:24	
10	9:26	239	2.374 L	9:26	9:26	9:26	9:53	11:52	13:51	15:49	17:48	
12	11:20	199	3.418 L	11:20	11:20	11:24	14:15	17:05	19:56	22:47	25:38	
15	14:10	159	5.342 L	14:10	14:10	17:48	22:15	26:42	31:09	35:36	40:04	
18	17:00	133	7.692 L	17:00	19:13	25:38	32:03	38:27	44:52	51:16	57:41	
21	19:50	114	10.470 L	19:50	26:10	34:54	43:37	52:21	61:00	69:48	78:31	
24	22:40	99	13.674 L	22:47	34:11	45:34	56:58	68:22	79:46	91:10	102:33	
27	25:30	88	17.306 L	28.51	43:16	57:41	72:07	86:32	100:57	115:22	129:48	
30	28:20	80	21.366 L	35.37	53:25	71:13	89:02	106:50	124:38	142:26	160.15	
33	31:10	72	25.852 L	43.05	64:38	86:10	107:43	129:16	150:43	172:21	193:53	
36	34:00	66	30.768 L	51.17	76:55	102:34	128:12	153:50	179:29	205:07	230:46	
42	39:48	57	41.883 L	69.48	104:42	139:37	174:30	209:24	244:19	279:13	314:07	
48	45:34	50	54.705 L	91.10	136:45	182:21	227:55	273:31	319:06	364:42	410:17	
54	51:02	44	69.236 L	115.24	173:05	230:47	288:29	346:11	403:53	461:34	519:16	
60	56:40	40	85.476 L	142.28	213:41	284:55	356:09	427:23	498:37	569:50	641:04	

NOTE: IF THERE HAS BEEN NO LEAKAGE (ZERO PSIG DROP) AFTER ONE HOUR OF TESTING, THE TEST SHALL BE ACCEPTED AND THE TEST COMPLETE.



# GRAVITY SEWER LINE LOW PRESSURE AIR TEST TABLE

EFFECTIVE  
05/2023

DETAIL NO.  
402