**Section 370.APPENDIX C Table No. 3 – Air Test Table for Sanitary Sewer Leakage Testing\***

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SPECIFICATION TIME (MIN:SEC) REQUIRED FOR PRESSURE DROP  FROM 3½ TO 2½ PSIG WHEN TESTING ONE PIPE DIAMETER ONLY | | | | | | | | | |
| Length of Sewer Pipe In Feet |  | | | | | | | | |
| PIPE DIAMETER, INCHES | | | | | | | | |
| 4 | 6 | 8 | 10 | 12 | 15 | 18 | 21 | 24 |
| 25 | 0:04 | 0:10 | 0:28 | 0:28 | 0:40 | 1:02 | 1:29 | 2:01 | 2:38 |
| 50 | 0:09 | 0:20 | 0:35 | 0:55 | 1:19 | 2:04 | 2:58 | 4:03 | 5:17 |
| 75 | 0:13 | 0:30 | 0:53 | 1:23 | 1:59 | 3:06 | 4:27 | 6:04 | 7:55 |
| 100 | 0:18 | 0:40 | 1:10 | 1:50 | 2:38 | 4:08 | 5:56 | 8:05 | 10:34 |
| 125 | 0:22 | 0:50 | 1:28 | 2:18 | 3:18 | 5:09 | 7:26 | 9:55 | 11:20 |
| 150 | 0:26 | 0:59 | 1:46 | 2:45 | 3:58 | 6:11 | 8:30 |  |  |
| 175 | 0:31 | 1:09 | 2:03 | 3:13 | 4:37 | 7:05 |  |  |  |
| 200 | 0:35 | 1:19 | 2:21 | 3:40 | 5:17 |  |  |  | 12:06 |
| 225 | 0:40 | 1:29 | 2:38 | 4:08 | 5:40 |  |  | 10:25 | 13:36 |
| 250 | 0:44 | 1:39 | 2:56 | 4:35 |  |  | 8:31 | 11:35 | 15:07 |
| 275 | 0:48 | 1:49 | 3:14 | 4:43 |  |  | 9:21 | 12:44 | 16:38 |
| 300 | 0:53 | 1:59 | 3:31 |  |  |  | 10:12 | 13:53 | 18:09 |
| 350 | 1:02 | 2:19 | 3:47 |  |  | 8:16 | 11:54 | 16:12 | 21.10 |
| 400 | 1:10 | 2:38 |  |  | 6:03 | 9:27 | 13:36 | 18:31 | 24:12 |
| 450 | 1:19 | 2:50 |  |  | 6:48 | 10:38 | 15:19 | 20:50 | 27:13 |
| 500 | 1:28 |  |  | 5:14 | 7:34 | 11:49 | 17:01 | 23:09 | 30:14 |

\*From Standard Specifications for Water and Sewer Main Construction in Illinois, Fourth Edition, May, 1986. (Copies may be obtained from Illinois Society of Professional Engineers, Springfield, Illinois 62704.)

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