



Sanitary Engineering Department  
 3230 North Cole Street  
 Lima, Ohio 45801  
 419-996-4670

## SANITARY SEWER MANHOLE VACUUM TEST REPORT

|             |                  |                     |
|-------------|------------------|---------------------|
| Project:    | Inspecting For:  | JOB NO.             |
| Date:       | Engineer:        | Page _____ of _____ |
| Location:   | Testing Co.:     |                     |
| Contractor: | Field Inspector: |                     |

| Street Name | M.H. Station Number | Manhole Depth | Manhole Diameter | Allowable Drop Time | Actual Drop Time | Pass/Fail | Comments |
|-------------|---------------------|---------------|------------------|---------------------|------------------|-----------|----------|
|             |                     |               |                  |                     |                  |           |          |
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|             |                     |               |                  |                     |                  |           |          |

| Depth (ft)    | Manhole Diameter (in.) |    |    |    |    |    |    |     |     |
|---------------|------------------------|----|----|----|----|----|----|-----|-----|
|               | 30                     | 33 | 36 | 42 | 48 | 54 | 60 | 66  | 72  |
| Time, seconds |                        |    |    |    |    |    |    |     |     |
| 8             | 11                     | 12 | 14 | 17 | 20 | 23 | 26 | 29  | 33  |
| 10            | 14                     | 15 | 18 | 21 | 25 | 29 | 33 | 36  | 41  |
| 12            | 17                     | 18 | 21 | 25 | 30 | 35 | 39 | 43  | 49  |
| 14            | 20                     | 21 | 25 | 30 | 35 | 41 | 46 | 51  | 57  |
| 16            | 22                     | 24 | 30 | 34 | 40 | 46 | 52 | 58  | 67  |
| 18            | 25                     | 27 | 32 | 38 | 45 | 52 | 59 | 65  | 73  |
| 20            | 28                     | 30 | 35 | 42 | 50 | 53 | 65 | 72  | 81  |
| 22            | 31                     | 33 | 39 | 46 | 55 | 64 | 72 | 79  | 89  |
| 24            | 33                     | 36 | 42 | 51 | 59 | 64 | 78 | 87  | 97  |
| 26            | 36                     | 39 | 46 | 55 | 64 | 75 | 85 | 94  | 105 |
| 28            | 39                     | 42 | 49 | 59 | 69 | 81 | 91 | 101 | 113 |
| 30            | 42                     | 45 | 53 | 63 | 74 | 87 | 98 | 108 | 121 |

- Notes:
1. A vacuum of 10 inches of mercury shall be drawn on the manhole with the valve on the vacuum line of the test head closed and the vacuum pump shut off.
  2. The time shall be measured for the vacuum to drop 1-inch.
  3. The manhole shall pass if the time for the vacuum reading to drop from 10 inches of mercury to 9 inches of mercury meets or exceeds the values indicated in the Table to the left.
  4. If the manhole fails the initial test, necessary repairs shall be made by an approved method.
  5. The manhole shall then be retested until a satisfactory test is obtained.