

CITY OF MADISONVILLE, KENTUCKY
ENGINEERING DEPARTMENT
SEWER & WATER TESTING & INSPECTIONS CHECKLIST



Date: _____

Project Name: _____

Project Address: _____

The purpose of this checklist is to give the minimum requirements needed to expedite the City's inspection and acceptance process of the extension of water and sewer main extensions. As-builts and a construction certification letter will be required stating the construction, testing, and inspections were successfully completed per the City of Madisonville's Water & Wastewater Standards Manual. Please refer to Water & Wastewater Standards Manual for specifications and testing details.

Water Line Testing & Inspections:

- | | |
|--|---|
| <input type="checkbox"/> Water Pressure Test @ 200 psi Minimum 6 Hours | <input type="checkbox"/> Laying of Water Pipe Meets Specifications Listed in 12.16 Section 3.02 |
| <input type="checkbox"/> Flush Water Lines | <input type="checkbox"/> Bedded Properly |
| <input type="checkbox"/> Disinfect @ 50 ppm | <input type="checkbox"/> Installed Properly |
| <input type="checkbox"/> Samples Collected | <input type="checkbox"/> Backfilled Properly |
| <input type="checkbox"/> Bacteriological Analyses Passed | <input type="checkbox"/> Horizontal Bends Blocked Properly |
| <input type="checkbox"/> All Lines Within City ROW or Easement | <input type="checkbox"/> Vertical Bends Blocked Properly |
| <input type="checkbox"/> Minimum Cover of 36" | <input type="checkbox"/> Pipe Type Used Same as Plans |
| <input type="checkbox"/> Minimum Cover of 30" Under Erodible Streams | <input type="checkbox"/> Valves Located No More Than 500' Intervals in Commercial/Industrial |
| <input type="checkbox"/> Horizontal Clearance from Sewer 10' Minimum | <input type="checkbox"/> Valves Located No More Than 800' Intervals in Residential |
| <input type="checkbox"/> Vertical Clearance from Sewer 18" Minimum | <input type="checkbox"/> Construction Certification Letter by KY Registered Professional Engineer |
| <input type="checkbox"/> Casing Pipe Used – Meets Specifications | <input type="checkbox"/> As-builts |
| <input type="checkbox"/> Pipe & Fittings Meet Specifications Listed in 12.16 Section 2 | |

Sanitary Sewer Testing and Inspections:

- | | |
|--|---|
| <input type="checkbox"/> Low Pressure Air Test 3.5 psig | <input type="checkbox"/> Watertight Manholes in Ponding Areas |
| <input type="checkbox"/> Deflection/Mandrel Test 30 Days After Backfill | <input type="checkbox"/> Casing Pipe |
| <input type="checkbox"/> Manhole Vacuum Test | <input type="checkbox"/> Concrete Encasements |
| <input type="checkbox"/> CCTV Inspection of Main | <input type="checkbox"/> Pipes & Fittings Meet Specifications Listed in 12.17 Section 2 |
| <input type="checkbox"/> Force Main Hydrostatic & Leakage Test @ 50 psi | <input type="checkbox"/> Laying of Sewer Pipe Meets Specifications Listed in 12.17 Section 3.02 |
| <input type="checkbox"/> Minimum Cover 36" | <input type="checkbox"/> Install Properly |
| <input type="checkbox"/> Minimum Cover of 12" in Solid Rock Under Erodible Streams | <input type="checkbox"/> Bedded Properly |
| <input type="checkbox"/> Minimum Cover of 36" under Erodible Streams | <input type="checkbox"/> Backfilled Properly |
| <input type="checkbox"/> Horizontal Clearance from Water 10' Minimum | <input type="checkbox"/> Pipe Type Used Same as Plans |
| <input type="checkbox"/> Vertical Clearance from Water 18" Minimum | <input type="checkbox"/> Construction Certification Letter by KY Registered Professional Engineer |
| <input type="checkbox"/> Manholes at or Above 100 yr. Flood Elevations | <input type="checkbox"/> As-builts |
| <input type="checkbox"/> Manholes at a Minimum 400' | |

The Engineer that Stamped the Submitted Plans Must Sign this Checklist and Include in Submittal.

Signature: _____

Date: _____