

CITY OF MADISONVILLE, KENTUCKY
ENGINEERING DEPARTMENT
SEWER, WATER, STREETS & STORMWATER CONSTRUCTION
REVIEW CHECKLIST



Date: _____

Project Name: _____

Project Address: _____

The purpose of this checklist is to give the minimum requirements needed to expedite the Engineering Department's review process for construction plans involving extension of City sewer, water, streets and stormwater. **All items shall be checked as included or marked N/A.** The omission of required items may be cause for rejection of the submittal without review. Please refer to the following documents for further details: City of Madisonville's Water & Wastewater Standards Manual & the Standards and Guidance for Development Manual.

Construction Review Checklist Items Required Pursuant to Chapter 155.49 City Code of Ordinances:

- | | |
|--|--|
| <input type="checkbox"/> North Arrow | <input type="checkbox"/> Location, Width & Type of Easements Correspond to Record Plat and Utility Locations |
| <input type="checkbox"/> Vicinity Map | <input type="checkbox"/> Project Name |
| <input type="checkbox"/> Name, Address, Phone No. & Email of Owner/Developer | <input type="checkbox"/> Location of Existing/Proposed Utilities |
| <input type="checkbox"/> Name, Address & Phone No. of the Engineer | <input type="checkbox"/> All Lot & Block Numbers Shown |
| <input type="checkbox"/> KY Registered Professional Engineer Seal & Date | <input type="checkbox"/> Conflicts with Existing & Proposed Utilities |
| <input type="checkbox"/> 24" x 36" Plan Sheets & 2 Sets of Plans | <input type="checkbox"/> Name/Phone No.'s of Utility Companies Serving Site |
| <input type="checkbox"/> Plan Date, Index & Legend | <input type="checkbox"/> Sanitary Sewer & Water Mains Stubbed Out to the Common Property Line with Undeveloped or Unserviced Adjacent Property |
| <input type="checkbox"/> Benchmarks Shown | <input type="checkbox"/> Location of Existing/Proposed Pavement and ROW |
| <input type="checkbox"/> Scale Not to Exceed 1" = 50' | |
| <input type="checkbox"/> Copy of Preliminary or Final Plat | |

Sanitary Sewer System Improvements Review Additional Information Required Pursuant to City Ordinance Chapter 155:

- | | |
|---|---|
| <input type="checkbox"/> General Notes for Sanitary Sewer Construction | <input type="checkbox"/> Profiles to Include the Items Below: |
| <input type="checkbox"/> City of Madisonville Standard Details | <input type="checkbox"/> Vertical Scale of Profiles |
| <input type="checkbox"/> Location, Size & Direction of Existing/Proposed Sewers | <input type="checkbox"/> Elv. Of Existing/Proposed Ground @ CL of Pipe |
| <input type="checkbox"/> Location & Size of All On-site Sewers & Laterals Shown | <input type="checkbox"/> Line Grades > Than Minimum & Velocity < 15 fps |
| <input type="checkbox"/> Proposed Sewer Lines Dimensioned to Street Centerline | <input type="checkbox"/> Rim & Flow Line Elevations |
| <input type="checkbox"/> Location of Existing/Proposed Water Mains | <input type="checkbox"/> Length, Type & Size of Pipe Btwn MHs |
| <input type="checkbox"/> Manholes & Cleanouts Stationed | <input type="checkbox"/> ID of Proposed MHs |
| <input type="checkbox"/> Call Out All Drop Connections or Diaphragm Locations | <input type="checkbox"/> Location & Elv. Storm Sewer & Water Main Crossings |
| <input type="checkbox"/> Manholes Located @ 400' Max. Spacing, Intersections, Grade & Alignment Changes | <input type="checkbox"/> Locations of Concrete Encasements & Caps |
| <input type="checkbox"/> 100 YR Flood Elevations Shown | <input type="checkbox"/> Hydraulic Calculations for Sewer Flows & Capacities |
| <input type="checkbox"/> Dimensions from Lot Lines to Service Lines | <input type="checkbox"/> Location & Elv. Existing/Proposed Pavement Sections |
| <input type="checkbox"/> Vertical & Horizontal Clearance Meets KDOW | <input type="checkbox"/> Show 100 YR WSE on Profiles if Located in Floodplain |

Water System Improvements Additional Review Pursuant to City Ordinance Chapter 155:

- | | |
|---|---|
| <input type="checkbox"/> General Notes for Water System | <input type="checkbox"/> Profiles of Proposed Water Mains |
| <input type="checkbox"/> City of Madisonville Standard Details | <input type="checkbox"/> Fire Hydrants Have Clear 36" Operating Radius |
| <input type="checkbox"/> Location & Size of All On-site Water Mains | <input type="checkbox"/> Fire Hydrants Located 2' 6" Behind Pavement Edge |

(CONTINUED ON REVERSE SIDE)

Water System Improvements Additional Review Pursuant to City Ordinance Chapter 155: (cont'd)

- | | |
|--|---|
| <input type="checkbox"/> Locations of Proposed Service Lines & Meters | <input type="checkbox"/> Fire Hydrants Locations Identified |
| <input type="checkbox"/> Location of Existing/Proposed Sanitary Sewer Lines | <input type="checkbox"/> Ensure Water Main Can be Valved Down W/O Putting More Than 1 Fire Hydrant Out of Service |
| <input type="checkbox"/> Size, Type & Pressure Class of All Proposed Water Mains | <input type="checkbox"/> Hydraulic Calculations for Static & Residual Flows |
| <input type="checkbox"/> Proposed Water Main Dimensions to ROW | |

Street Improvements Additional Review Pursuant to City Ordinance Chapter 155.49 & 155.67:

- | | |
|---|--|
| <input type="checkbox"/> Edge of Pavements | <input type="checkbox"/> Cross-Sections at 50' Stations (Natural Scale of 1"=10' or 1"=5', ROW & Pavement Width, Cross Slopes, Super Elevation, Cut/Fill, Sidewalks, Ditches, Curb and Gutters |
| <input type="checkbox"/> Right-of-Way | <input type="checkbox"/> Street Signage |
| <input type="checkbox"/> Centerline Designation | <input type="checkbox"/> Pavement Markings |
| <input type="checkbox"/> Names | <input type="checkbox"/> Intersections (Sight Triangle, Corner Radius, Alignment) |
| <input type="checkbox"/> Sidewalks (If Applicable) | <input type="checkbox"/> Spread Calculations for Inlets/Catch Basins, Max 8' Spread |
| <input type="checkbox"/> Storm Sewers | <input type="checkbox"/> Profiles (Existing Grade, Proposed Grade, Ditches, Storm Sewers, Utility Crossings) |
| <input type="checkbox"/> Property Lines | <input type="checkbox"/> Typical Street Section (Width of Pavement, Curb & Gutter & ROW) |
| <input type="checkbox"/> Horizontal Curve Data (Curves, Approach Tangents, Reverse Curve Tangents, Intersection Spacing, Turn Arouds) | <input type="checkbox"/> Detail of Curb & Gutter |
| <input type="checkbox"/> Vertical Curve Data (Scale, Grade, Length of Curve, Stopping Sight Distance) | <input type="checkbox"/> Proposed Entrances (If Known) |
| <input type="checkbox"/> Ditch Lines and Toe of Slope (If Applicable) | |
| <input type="checkbox"/> Standard Detail of Street Section (Subgrade, Subbase, Base, Surface) | |

Stormwater & Drainage Improvements Additional Review Pursuant to City Ordinance Chapter 155.49 & 155.67:

- | | |
|---|--|
| <input type="checkbox"/> KY Registered Professional Engineer Signature & Stamp Plans and Drainage Calculations | <input type="checkbox"/> Max Spacing of Inlets @ 300' |
| <input type="checkbox"/> Standard Details | <input type="checkbox"/> BMP Facilities Agreement |
| <input type="checkbox"/> Location & Size of Existing/Proposed Easements Grading Plan Existing & Proposed Contours, Including 50' Outside of Property Boundary | <input type="checkbox"/> Pipe Length, Size, Slope, Type, Number on Plan Sheet |
| <input type="checkbox"/> Existing & Proposed Inlet Drainage Areas | <input type="checkbox"/> Pipe Chart (10YR Design, 100YR Check) |
| <input type="checkbox"/> Existing & Proposed Drainage Structures | <input type="checkbox"/> Pipe in City ROW or Easement Must be RCP, Aluminized Type II CMP, or ADS HP Storm |
| <input type="checkbox"/> Storm Profiles (Pipe & Channels) Include HGLs | <input type="checkbox"/> Inlet Type, Grate & Invert Elevations |
| <input type="checkbox"/> 100 Year FEMA Floodplain Limits | <input type="checkbox"/> Headwall Type & Invert Elevations |
| <input type="checkbox"/> Detention Basin Details | <input type="checkbox"/> Hydraulic Grade Line Depths, 10YR Design 100 YR Check (minimum gutter elevations at or above HGL for 10 yr) |
| <input type="checkbox"/> Ditch Side Slopes Min 3:1 | <input type="checkbox"/> Stormwater Management Plan (2,10,25,100Yr,24 HR, Storm Events Pre & Post Volume for First Flush .61" Event) |

The Engineer that stamped the submitted plans must sign this checklist and include with submittal.

Signature: _____

Date: _____