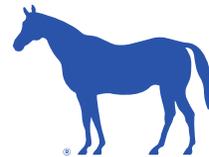


# PROPOSED UPDATES TO THE ENGINEERING MANUALS

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Environmental Quality & Public Works Committee*

*March 3, 2026*



**LEXINGTON**



## Outline

- Procedures Manual
  - Updates and amendments
  
- Stormwater Manual Updates
  - Updates and amendments
  
- Maintenance Manual for Post-Construction Stormwater Controls
  - New manual



## **Purpose of Proposed Updates**

- Update technical requirements to reflect standard engineering practice and to ensure consistency with other Engineering Manuals
  - Procedures Manual
  - Stormwater Manual
  
- Provide guidance to private property owners regarding the required maintenance of post-construction stormwater controls
  - Maintenance Manual for Post-Construction Stormwater Controls



# **Proposed Updates to the 2016 Procedures Manual**

## Procedure Manual

- The Procedures Manual describes how the Lexington-Fayette Urban County Government (LFUCG) manages the design and construction of roads, sanitary sewers and pump stations, and stormwater facilities in developing areas. The Procedures Manual applies to:
  1. Public infrastructure that is financed and constructed by Developers that becomes LFUCG property for operation and maintenance by LFUCG
  2. Stormwater controls on private property that are financed and constructed by Developers to meet the post-construction stormwater management requirements of the Stormwater Manual

## Key Changes

- Composite Drainage Plan
  - Amendment No. 1 to the 2020 Stormwater Manual
  
- Land Use Definitions
  - Align with the current Zoning Ordinance
  
- Added New Manual
  - LFUCG Maintenance Manual for Post-Construction Stormwater Controls

## Key Changes

- Stormwater Controls
  - Must meet post-construction maintenance requirements
  - Maintenance agreement is transferrable
  
- HB 443
  - Incorporated “...threat to public health, safety, or welfare” for strict ministerial application
  
- Surety
  - Added plantings associated with green infrastructure stormwater controls



# **Proposed Updates to the 2020 Stormwater Manual**

## Stormwater Manual

- The Stormwater Manual establishes the following:
  - Overall stormwater management policies of LFUCG
  - Minimum uniform standards to assure quality in the design and construction of stormwater infrastructure in development projects
  - Construction site stormwater runoff control standards and post-construction stormwater management standards that comply with the requirements of the Commonwealth of Kentucky Municipal Separate Storm Sewer System (MS4) Permit issued to LFUCG
  - Stormwater management design information that must be submitted to LFUCG by the Developer's Engineer
  - National Flood Insurance Program requirements HB 443

## Key Changes

- HB 443
  - Incorporated “...threat to public health, safety, or welfare” for strict ministerial application
    - Amendment No. 2
- Temporary Stormwater Controls
  - Required when the downstream regional basin has not yet been built
- Regional Stormwater Controls
  - Must be identified on all development submittals
- Composite Drainage Plans
  - Address backyard flooding issues
    - Amendment No. 1

## Key Changes

- Culverts and Bridges
  - Incorporated state and federal manuals
  
- Stormwater Pipe Specifications and Inspections
  - Updated material specifications
  - Clarified and improved CCTV procedures
  
- Stream Bank Stabilization and Restoration
  - No phosphorus in fertilizer
  - Follow KYTC standards and re-check to ensure stabilization

## Key Changes

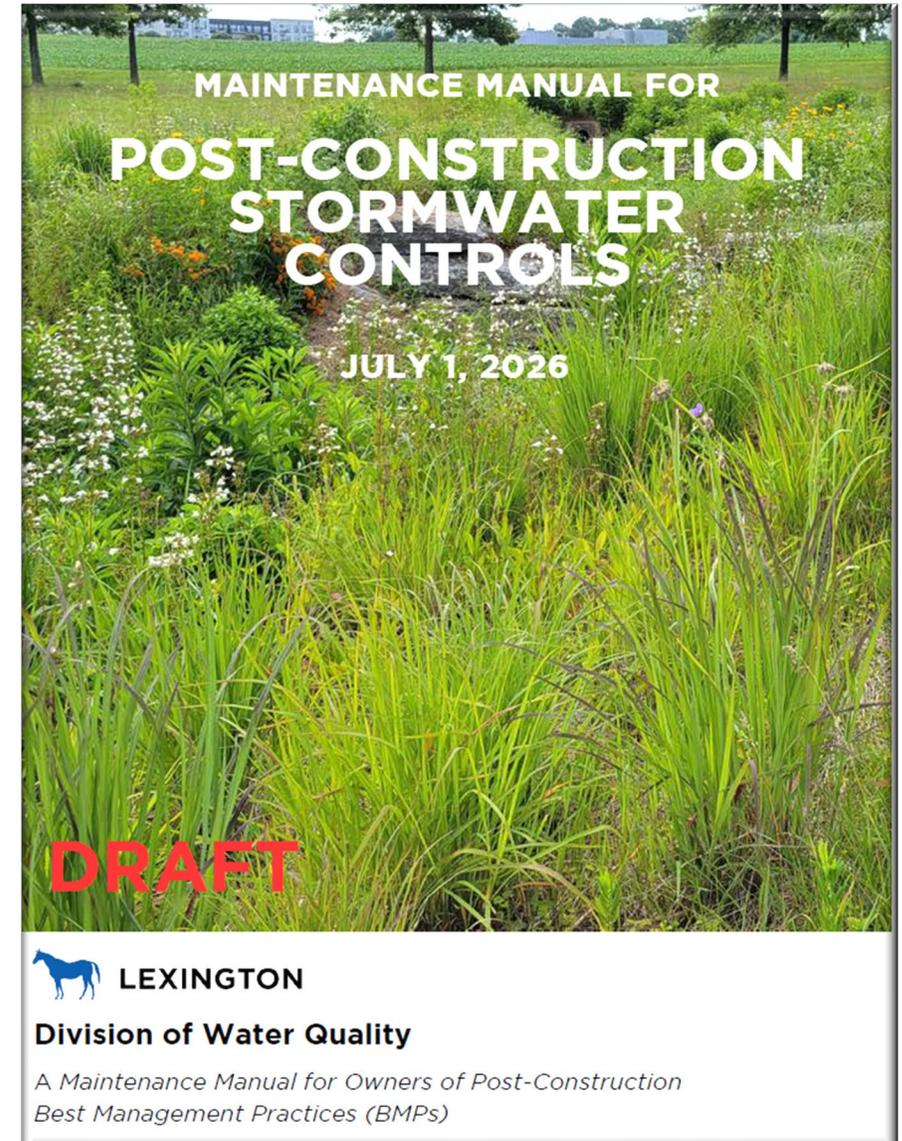
- Plantings
  - Require Landscape Architect, Professional Wetland Scientist, or firm prequalified by KYTC for botany to confirm
  - Suitable plant species must be included on USACE National Wetland Plant List
  
- Manufactured Treatment Devices (MTDs)
  - Updated acceptable types to meet national standards
  - Lids less than 200 pounds
  
- Wetlands
  - Minimum watershed drainage area requirement
  - Liner requirement



# **Proposed Maintenance Manual for Post-Construction Stormwater Controls**

## Summary

- Contains maintenance requirements for stormwater controls on private property
- Replaces the Repair, Maintenance, and Ownership of Stormwater Control Devices Policy (Basin Maintenance Policy)
- Includes planting guidelines, seeding and sodding guidelines, and supplementary inspection checklists
- Will be incorporated by ordinance



## Ordinances

Article I – In General. Sec. 16-1(c)(19) and Sec. 16-1(f)(70)

- *Engineering manuals. That set of documents used to provide the standards for the design, review, construction and inspection of infrastructure in Lexington-Fayette County. These are also known as the engineering manuals or as the manuals. The engineering manuals consist of the procedures manual for infrastructure development (also known as the procedures manual), the construction inspection manual (also known as the inspection manual), geotechnical manual, the roadway manual, structures manual, stormwater manual, and the sanitary sewer and pumping station manual (also known as the sewer manual), and a maintenance manual for post-construction stormwater controls that outlines minimum maintenance requirements. These manuals, including the definitions therein, are hereby adopted and incorporated into this Code by reference. From time to time, the urban county government may revise, modify, or amend the manuals in conformance with the procedures established in the procedures manual.*

# Questions?



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