

# Unified Development Ordinance Amendment OA-01-19

Wake County Board of Commissioners  
October 21, 2019



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# Surface Waters Rules Review

- Article 9 Stormwater Management
- Article 10 Erosion & Sedimentation Control
- Update for legislative changes, provide clarity, improve effectiveness



# Rules Review Committee

- Raleigh/Wake County Homebuilders Association
- Developers, Engineers, & Builders,
- Town of Fuquay-Varina
- Wake County Water Partnership
- Wake County Environmental Services
- Wake County Planning
- Wake County Facilities Design and Construction

# Approach to Review

- Reviewed proposed language, input > revisions
- Article 10 reviewed by NCDEMLR
- Articles 9 & 10 reviewed by County Attorney
- Present to Water Partnership April 12, 2019

# Formal Approval Process



# Article 9 Stormwater Management

Barney Blackburn, PE, CPESC, CPSWQ

Wake County – Environmental Services Watershed  
Management



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# Stormwater Control Measures

- Location
- Easements
- Wastewater Setbacks



# Summary of Revisions (continued)

- Downstream Impact Analysis
- As-built drawings
- Annual inspection and report requirements



# Downstream Impact Analysis

- Development impacts - downstream flooding and channel degradation
- Evaluate based on 10% rule
- Pre/Post-development Peak Runoff Rate for 10-year storm



# Pre & Post Development

If Post-development Runoff Rate  $\geq$  Pre-Development Runoff Rate, then:

- Incorporate additional natural and designed structure controls to achieve pre-development rate, or
- Obtain flow easement from downstream property owners

# Illicit Discharges

Prohibits illicit discharges to:

- Stormwater Conveyances
- Waters of the State
- Land in manner to reach Stormwater Conveyances or Waters of State



# Annual Inspection & Report

- Due to Wake County by June 30 of each year
- Information required for reports (responsible party, content, etc.)
- Report form provided by Wake County

# Article 10 Erosion and Sedimentation Control

**Melinda Clark, CFM, CZO, Watershed Manager**

**Wake County – Environmental Services Watershed  
Management**



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# Highlights of Proposed Changes

- Added definitions
- Clarified applicability
- Updated Agricultural Activities



# Highlights of Proposed Changes

- Forestland Activities exemptions
- Updated agency names
- Added tables for ground stabilization requirements





# Highlights of Proposed Changes

- Standards - Falls Lake Watershed
- Extension of permits
- State remission of civil penalties

# Public Hearing



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# Staff Finding and Recommendation

**Finding:** OA-01-19 supports the Board of Commissioners' goal to promote growth and sustainability throughout the County.

## **Recommendation:**

That the Board of Commissioners:

1. Adopts the drafted statement of consistency with the Land Use Plan, reasonableness, and public interest.
2. Approves Ordinance Amendment OA-01-19.

# Planning Board Recommends Approval

That the Board of Commissioners:

1. Adopts the drafted statement of consistency with the Land Use Plan, reasonableness, and public interest.
2. Approves Ordinance Amendment OA-01-19 as presented.

The Planning Board, at their August 7, 2019 meeting, voted unanimously to approved both motions.

# Suggested Board of Commissions Motion

That the Board of Commissioners:

1. Adopts the statement of consistency finding that Ordinance Amendment OA-01-19 is consistent with the Land Use Plan, Unified Development Ordinance, is reasonable, and in the public interest;

*and by separate motion:*

2. Approves the Ordinance Amendment OA-01-19, as presented.

# Thank you.



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