



Charlotte Storm Water  
600 East Fourth Street  
Charlotte, N C 28202-2844

## *Rezoning Petition Review*

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**To:** Charlotte Planning, Design & Development

**From:** Doug Lozner

**Date of Review:** December 20, 2019

**Rezoning Petition #:** 19-168

**Existing Zoning:** R-3 LWPA

**Proposed Zoning:** MX-2 (CD) LWPA

**Location of Property:** Approximately 22.87 acres located on the north side of Oakdale Rd, between Miranda Rd and I-485.

**Site Plan Submitted:** Yes

### **Recommendations Concerning Storm Water:**

Petitioner is advised the 100' SWIM/PCSO Stream Buffers on the site require the inclusion of 50% of the flood fringe area as additional stream buffer. Delineation of the additional stream buffer area may be deferred to the permitting process and is not required to be shown on the rezoning plan.

This petition is located within the Lake Wylie Protected Area Watershed Overlay District. Please note buffers could include watershed buffers on site. These buffers could be a 40-ft or 100-ft Watershed Buffer depending on project density.

**This property drains to Long Creek, which is an impaired/degraded stream, and may contribute to downstream flooding. This project has the opportunity to mitigate future impacts to this stream, therefore, Storm Water recommends placing the following notes on the plan:**

#### (I) Storm Water Quality Treatment

For defined watersheds greater than 24% built-upon area (BUA), construct water quality stormwater control measures (SCMs) designed for the runoff generated from the first 1-inch of rainfall for all new and redeveloped BUA associated with the project. SCMs must be designed and constructed in accordance with the Charlotte-Mecklenburg BMP Design Manual.

#### (II) Volume and Peak Control

For defined watersheds greater than 24% built-upon area, control the entire volume for the 1-year, 24-hour storm for all new and redeveloped BUA associated with the project. Runoff volume drawdown time shall be in accordance with the Charlotte-Mecklenburg BMP Design Manual.

For commercial projects with greater than 24% BUA, control the peak to not exceed the predevelopment runoff rates for the 10-yr, 6-hr storm and perform a downstream flood analysis to determine whether additional peak control is needed and if so, for what level of storm frequency, or if a downstream analysis

is not performed, control the peak for the 10-yr and 25-yr, 6-hour storms.

For residential projects with greater than 24% BUA, control the peak to not exceed the predevelopment runoff rates for the 10-year and 25-year, 6-hour storms or perform a downstream analysis to determine whether peak control is needed, and if so, for what level of storm frequency.

Staff is available to discuss mitigation options should the project have practical constraints that preclude providing the above referenced stormwater management.