



Subject: Rezoning Petition Review

To: Charlotte Planning, Design & Development

From: Doug Lozner

Date of Review: August 25, 2022

Rezoning Petition #: 22-053

Existing Zoning: R-3

Proposed Zoning: R-17MF (CD)

Location of Property: Approximately 2.70 acres located on the west side of Prosperity Church Rd, northeast of Mallard Creek Rd and south of Prosperity Point Ln.

Site Plan Submitted: Yes

**Recommendations
Concerning Storm Water:**

The proposed rezoning plan sheet indicates a proposed location for storm water management. Please include the following notes on the plan sheet under "Environmental Features": *The location, size, and type of storm water management systems depicted on the Rezoning Plan are subject to review and approval as part of the full development plan submittal and are not implicitly approved with this rezoning. Adjustments may be necessary in order to accommodate actual storm water treatment requirements and natural site discharge points.*

Please add the following note under the "Environmental Features": *For adjoining parcels receiving stormwater discharge from the proposed BMP/Water Quality feature, the petitioner shall analyze the adequacy of the existing stormwater conveyance on the adjoining parcels. If the existing stormwater conveyance on the adjoining parcels is found to be inadequate, the Petitioner shall make a good faith effort with the property owner(s) to improve the stormwater conveyance or mitigate the stormwater discharge onto the adjoining parcels.*

This property drains to Mallard 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 10% 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 10% 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 10% 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 10% 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 prior to the rezoning plan approval should the project have practical constraints that preclude providing the above referenced stormwater management.