



Subject: Rezoning Petition Review

To: Charlotte Planning, Design & Development

From: Doug Lozner

Date of Review: November 23, 2022

Rezoning Petition #: 22-087

Existing Zoning: R-3

Proposed Zoning: UR-2 (CD)

Location of Property: Approximately 10.95 acres located on the east side of Mallard Creek Rd, north of Governor Hunt Rd and west of David Taylor Dr.

Site Plan Submitted: Yes

**Recommendations
Concerning Storm Water:**

Please label *Potential 50-ft Undisturbed PCSO Buffer* on the site plan. Any increase of impervious area within such buffers may not be allowed and is not approved with the rezoning process. Stream Delineation Reports are subject to review and approval by Charlotte Storm Water Services. Please include the following note under Environmental Features: *“Development within any SWIM/PCSO Buffer shall be coordinated with and subject to approval by Charlotte-Mecklenburg Storm Water Services and mitigated if required by City ordinance. Petitioner acknowledges intermittent/perennial stream delineation reports are subject to review and approval upon submission of development plans for permitting and are not approved with rezoning decisions.”*

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.