



Charlotte Storm Water
600 East Fourth Street
Charlotte, N C 28202-2844
OFFC: 704 . 336 . RAIN
FAX: 704 . 336 . 6586

Rezoning Petition Review

To: Keith MacVean, CMPC

From: Doug Lozner / Jeff Hieronymus

Date of Review: July 19, 2006

Rezoning Petition #: 06-105

Existing Zoning: I-2
Proposed Zoning: Tod-M

Location of Property: Approximately 4.16 acres located on the west side of South Boulevard in the vicinity of Meacham Street.

Downstream Complaints: Downstream complaints consist of flooding.

Review Method(s): Review of topographic information, aerial photography, and a site visit.

Recommendations
Concerning Storm Water: **It is requested that the petitioner change the proposed zoning request to Conditional Development and include the following notes on the petition:**

Volume and Peak Control

For projects with defined watersheds greater than 24% built-upon area, control the entire volume for the 1-year, 24-hour storm. Runoff volume drawdown time shall be a minimum of 24 hours, but not more than 120 hours.

For residential projects with greater than 24% BUA, control the peak to match 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.

For commercial projects with greater than 24% BUA, control the peak to match 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 commercial projects with less than or equal to 24% BUA, but greater than one acre of disturbed area, control the peak to match the predevelopment runoff rates for the 2 and 10-yr, 6-hr storm.