

## MEMORANDUM

Date: April 1<sup>st</sup>, 2024  
To: Michael Elabarger  
From: Jacqueline Thompson, PE  
Subject: Scooter's Coffee  
SDP-23-09, 3<sup>rd</sup> Submittal  
Town of Rolesville, NC

This memo summarizes the review of the Site Development Plan submitted by Kimely Horn, dated 03/01/2024 (received 03/05/2024).

### Sheet C2.0

1. The total storm facility area is greater than 50% of the passive space. Please adjust the SCM accordingly to comply with LDO Section 6.2-G.

### Sheet C3.0

2. REPEAT: Thank you for providing SCM Contours. Please clarify how the proposed landscaping buffer will be managed; portions of the landscaping appear to fall within the minimum water elevation of the storm pond.
  - a. This comment also applies to Sheet L1.0.
3. Any on site drainage must be routed to the storm pond, if the drainage from FES-2 is being routed to the pond please clarify using spot elevations or comment response.
4. REPEAT: Please check to make sure all pipe lengths, slopes, and structure inverts match the provided storm calculation plan, there are several instances where the values differ.
5. The handicap ramp shown does not comply with NCDOT detail 848.06 Type 1A.
  - a. The detectable warning surface to be parallel to the crossing.
  - b. Ensure cross and longitudinal slope requirements are met.
6. The handicap ramp shown does not comply with NCDOT Detail 848.06 Type 1.
  - a. Clear space from detectable warning to depressed curb is greater than the 5'-0" maximum allowed.
  - b. Ensure cross and longitudinal slope requirements are met.
  - c. Depict and provide clear landing location.
7. Please provide some additional information on the intent of pipe between CB-1 and CB-2.
  - a. Provide a response if the specified pipe to be used for storage.
  - b. Provide a detail on CB-2 and note if any weirs are to be used to divert water.
  - c. Provide the 0.2' drop within CB-1 to FES-1.

8. Determine the structure size and provide the size information. Due to the number of pipes coming into structure, CB-1 will need to be large and potentially custom ordered. Verify that this structure will fit in the location specified, adjacent to the wall. Additionally, please avoid having pipes at angles less than 90 degrees.

#### Sheet C5.0

9. A skimmer may be required for the sediment basin shown in phase 1 and phase 2, please refer to Wake County comments on erosion control plans.

#### Storm Calculation Package

1. This drainage is not being collected, please ensure that all onsite drainage is collected and routed to the storm pond.
2. In the storm calculations the offsite drainage routed into JB1 must be included in the calculation package.
3. Please check to make sure all pipe lengths, slopes, and structure inverts match the provided storm calculation plan, there are several instances where the values differ. This is a repeat comment.
4. REPEAT: The slope between CB-1 and FES-1 is below the required 0.50%, please adjust accordingly.