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## MEMORANDUM

Date: **October 2<sup>nd</sup>, 2024**  
To: Michael Elabarger  
From: Jacqueline Thompson, PE  
Subject: Kalas Falls Phase 3  
**CD 21-07, 3<sup>rd</sup> Submittal**  
Town of Rolesville, NC

This memo summarizes the review of Construction Documents submitted by American Engineering Associates, dated 02/18/2021 (received 09/05/2024).

### Sheet CVR:

1. The quality of the plans is blurry on several sheets and the size of sheets vary throughout the plan set. Please revise the plans for consistency and quality so they are legible.
  - a. Markups are provided in several locations as examples, but please review the entire plan set.

### Sheet 2.1:

2. Please confirm the purpose of this sheet being in color when other erosion control sheets are not.
  - a. This comment also applies to Sheet 2.6.

### Sheet 4.1:

3. Please clarify if the lines between Lots 118 and 119 indicate a swale or if they are culverts. If they are indicating the start/end of the swales are they necessary? Consider having a leader point to the appropriate location instead of a line to prevent confusion with the proposed culverts.

### Sheet 4.2:

4. Label the contours near the mail kiosk.

### Sheet 4.4:

5. Adjust the labels that are being cut off on the of the sheet.
  - a. This comment applies to multiple sheets.
6. Confirm if the intended design shown in the middle of the sheet, under the greenway is two culvert crossings. If so, confirm and provide elevations to prevent a conflict.

Sheet 5.1:

7. Revise the plans to show the required section transition between Phase 1 and Phase 3, based on the revisions made for Phase 1 during construction.
  - a. This comment also applies to Sheet C5.5.
8. The Town of Rolesville has made updates to standards since this project began and now prefer valley curb on all local residential roads due to the number of driveway cuts. Please adjust typical sections to reflect this update. Collector roads that do not have many driveways should have standard curb. In the area of the transition between Phase 1 and Phase 3, keep standard curb. Transition to valley curb upon the intersection of Pleasant Run St.

Sheet 6.4:

9. Label the linework in the southeast portion of the viewport.
10. Linework appears to be missing for the dimension labels in the southeast portion of the viewport. Please include the missing linework.

Sheet 9.0:

11. Repeat: Road slope should not exceed 5% for 100' from an intersection. Adjust finished grade as required.
  - a. It appears other locations have been adjusted but the location near Donnington Hill Drive and Falls Bluff Dr was missed.

Sheet 18.0:

12. Please confirm if there are easements for the greenway.
13. FES structures for culverts shown along the greenway do not appear to be graded in. Please update the grading as needed.
14. Confirm there is adequate cover being provided for 15" RCP – FES20-19 and 15" RCP – FES18-17 culvert crossings under the greenway.

Sheet 19.0:

15. Add and label contours for the greenway; Sheet 18.0 shows contours but they appear to be missing from this sheet.
16. 24" RCP – FES24-23 culvert is above the greenway. Adjust as required.
17. Ensure adequate cover is being provided for the 15" – FES22-21 culvert crossing under the greenway.