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December 2, 2024

V4 - Response to V3  
Engineering Comment  
MEMO

Bolton & Meak  
418 South Dawson Street  
Raleigh, NC 27601

To: Jacqueling Thompson, PE

From: Bradley Haertling

Subject: Kalas Falls Phase 3, 3<sup>rd</sup> Submittal Comment Response  
Town of Rolesville

**Construction Documents submitted 2/18/2021 (received 9/5/2024)**

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.

**Response: The sheets have been cleaned up; we apologize for the quality of the previous submittal.**

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.

**Response: This has been corrected on both sheets.**

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.

**Response: A leader has been used to reference the ditch and the purpose of the reference is to reference the appropriate lining.**

Sheet 4.2:

4. Label the contours near the mail kiosk.

**Response: Contour labels have been added within this area.**

Sheet 4.4:

5. Adjust the labels that are being cut off on the of the sheet.
  - a. This comment applies to multiple sheets.

**Response: The viewport for this sheet has been adjusted and should carry through on other 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.

**Response: The greenway has been regraded in this area and the pipe has been removed.**

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.

**Response: A general note has been added to sheet 5.1 with a more detailed note added to sheet 5.5.**

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.

**Response: The cross-sections have been updated to match the new standards except we held traditional curb on the residential collectors. We are proposing the transitions after the curb return.**

Sheet 6.4:

9. Label the linework in the southeast portion of the viewport.

**Response: The has been labeled.**

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

**Response: The linework has been added to the view.**

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 missing.

**Response: A slightly greater slope has been proposed on the residential collector. This is consistent with the design and approved in phase 1 for through movement.**

Sheet 18.0:

12. Please confirm if there are easements for the greenway.

**Response: The easement has been shown and labeled.**

13. FES structures for culverts shown along the greenway do not appear to be graded in. Please update the grading as needed.

**Response: These crossing have been adjusted to match the proposed and existing contouring.**

14. Confirm there is adequate cover being provided for 15" RCP – FES20-19 and 15" RCP – FES18-17 culvert crossings under the greenway.

Response: This has been adjusted to the revised grading.

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.

Response: These have been added and labeled.

16. 24" RCP – FES24-23 culvert is above the greenway. Adjust as required.

Response: This crossing has been adjusted to match the new grading.

17. Ensure adequate cover is being provided for the 15" – FES22-21 culvert crossing under the greenway.

Response: This crossing has been removed with the adjustments to the grading.

If you have any further questions or comments regarding the responses or plan revisions provided, please feel free to call or email me.

Thank you,



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