

MEMORANDUM

Date: 08/01/2022
To: Michael Elabarger
From: Jacqueline Thompson, PE
Subject: Dental Office
SP 22-01, 3rd Submittal
Town of Rolesville, NC

This memo summarizes the review of Site Plan submitted by Tarr Group, dated 06/22/2022 (received 07/05/2022). Due to this site being private, we are reviewing this Site Plan submittal as a Construction Drawings submittal.

Sheet 1 of 1:

1. Please either remove the Minor Subdivision Plat or only include the final approved version; comments for the Final Plat (FP 22-02) were sent separately.

Sheet C0.6:

2. Confirm whether the existing curb on the southwest quadrant of S Main St and Louisburg Rd will remain in place or be removed. Based on the design and improvements for the pedestrian ramps, it makes sense that the curb would be removed but it is not currently shown, only milling.

Sheet C1.2:

3. REPEAT: The symbol for Scour Protection is missing from the legend.

Sheet C2.1:

4. Stop bars should be set 4' behind the crosswalk.
5. The existing pedestrian ramp at S Main St and Eagle Scholars Dr lines up with the crosswalk linework that is showing but the leader and arrow do not point in that location. Please adjust the leader.
 - a. Please clarify if, based on the recent design, the existing crosswalk is intended to remain in place or be removed and replaced.
 - b. Adjust the crosswalk hatch accordingly. There is a section that is called out in removals that does not seem to be hatched for installing new walk.
6. Please confirm all notes/leaders have the appropriate references for details.
 - a. All pedestrian ramp locations/transitions from concrete walk to stamped concrete crosswalk should have the "See Special Detail Sheet C5.06" note.
 - b. The stamped concrete crosswalk should reference the detail on Sheet C5.6.

7. Please clarify the type of curb for S Main St. The linework and existing conditions indicate 24" curb but the detail on Sheet C5.3 (which is referenced) show 18".
8. REPEAT: Since the Louisburg Rd improvements are not installing pedestrian ramps or sidewalk on the south side of Louisburg Rd or on the southwest corner of the intersection of Louisburg Rd and S Main Street, the pedestrian ramp being installed as part of the Dental Office site improvements should be designed and installed as a directional ramp to cross to the north only and connect to the existing ramp; the proposed crosswalk should not lead the pedestrians to the middle of the existing pedestrian ramps since there is no curb cut between the ramps.

Sheet C3.2:

9. Please label structures in Plan View.
10. Please depict existing pipe vs. proposed pipe differently in the profile so it is clear what is being connected to vs. installed.
11. Please update the stationing for the structures in the profile.
12. A minimum cover note should be provided and labeled for sanitary sewer.

Sheet C4.1:

13. For the sidewalk crossing the driveway entrances, please confirm your design complies with NCDOTs Curb Ramp Details for Driveway Aprons. Include the NCDOT details for reference in the plans.
14. REPEAT: Please confirm your sidewalks along S Main St and Eagle Scholars Drive meet ADA compliance and have less than 2% cross-slope, as well as meet requirements for longitudinal slopes at the pedestrian ramp locations.
15. On the access south of the property, it appears there is a 383 contour but there is a structure being labeled as a LP with an elevation higher than the nearby contour. Please confirm drainage patterns.
16. Please provide spot elevation at the intersection of S Main St and Louisburg Rd to confirm ADA compliance and drainage.
17. Please provide spot elevation on the south end of the sidewalk being installed along Louisburg Rd for future connection.

Sheet C5.3:

18. Confirm whether the new curb should be 18" or 24".

Sheet C5.6:

19. Review and revise which details are included for the pedestrian ramps. See Comment #8 and 13.

Thank you for including the truck exhibits. These (Sheets 6.1 and C6.2) do not have to be a part of the plans, but are welcome to remain; we just needed them as exhibits. If they are to remain, please revise Sheet 6.1 to read C6.1 for consistency.