

March 30, 2007

Kliengers & Associates, INC.
Attn: Tim Casto
6305 Centre Park Drive
West Chester Ohio 45069

Re: Bethany Road Improvements

Dear Tim:

This office has reviewed the drawings for the above referenced project and feels the following items should be considered for revision.

1. Screen the existing layer on the plan and profile sheets to show the proposed lines better.
2. If it is possible show benchmark number 1 on the schematic.
3. The entire profile of the road should be raised 3". An intermediate course should be installed to regain the cross slope of the roadway and remove any ruts. Then a top course should be installed overtop the entire project.
4. Why is the proposed cross slope of the roadway 1.04% (1/8" per ft)?
5. The details show a 9' post and the quantities do not. Please specify which post you are using and check your quantities.
6. The eastbound lane on Bethany tapers down to just above 9' to 11' with no shoulder. Some pavement should be added to the south side of the road from the locations on the plans that show 11ft lanes to even out the lanes. This should only affect 1 gravel drive on the south side of the road. The centerline of the road should also be pushed to the north to allow for 3 - 11' lanes and a 2ft shoulder on each side. This should provide a much safer ride and will still stay out of the culvert on the west side of the project.
7. Replace the frontage pipe between stations 13+75 to 14+50 Lt.. This structure also looks like it can be pushed a little further away from the roadway so the waterline does not have to be relocated.
8. It looks like there are two trees on top of each other at station 19+70, 43' Rt. Please revise if this is not correct.
9. Please label the black squares on the walking path crossing over the school drive.
10. Remove the concrete island at the intersection of Liberty Court and Bethany.
11. The sanitary line is only shown on page 12. Is this correct?
12. Please label what is to be done with all of the mailboxes.
13. The waterline seems to just end on sheet 13. Is this correct?
14. Install type B or type E end assembly on the end of the guardrail on sheet 13.
15. Provide a note to splice the guardrail where the proposed meets the existing.
16. At station 52+75 Liberty Court taper the 5' sidewalk into the 4' sidewalk.
17. Label the temporary easement on the West side of the Liberty Court.

18. Show the size and location of all of the utilities in the cross sections.
19. Label the sheet number for the drive detail on cross section 14+50.
20. Label the station and offset to the ditching for the cross sections.
21. The intersection detail shows the sidewalk for the school stopping short of the path along Bethany.
22. A section of drop curb should be provided at the intersection of Bethany and Liberty Court to allow access to Renegade parcel. Make sure to provide a detail of the drive.
23. Show the utilities in the profiles for the drives.
24. The drive detail for station 13+82.55 does not seem to match the stationing on the plan and profile sheets.
25. Revise the drive detail for station 16+49.57. The hatching shows the asphalt stopping short of the labeled station and offset for the drive.
26. Install the stop sign, on the traffic control plan, on Liberty Court to where it can best be seen to approaching traffic.
27. A cross walk should be installed on the entrance to the school drive for the bike path. The bike path may need to be pushed toward the intersection at the intersection so that the stop bar is not pushed to far to the north.
28. Add a centerline strip the length of the project on Liberty Court to the striping plan.
29. The next submittal should also include:
 - a. RW drawings
 - b. RW documents (submitted in word format)
 - c. Final cost estimate

If you have any questions or concerns please don't hesitate to contact me at 785-4112 or quimbyd@bceo.org.

Sincerely,

David B. Quimby, EIT
Design Engineer

cc: File