

Warren and Zak,

Please see attached NCDOT Structures review comments for your use. Please send me an email notifying when you've uploaded updated structure plans in the portal.

Thanks,

Jen Britt, EI
Assistant District Supervisor
Division of Highways, Division 8 – District 1
NC Department of Transportation

336 318 4000 office
336 318 4004 direct
jlbritt@ncdot.gov

300 DOT Drive
Asheboro, North Carolina 27204



From: Warren Mitchell <warrendmitchellpe@gmail.com>
Sent: Wednesday, June 14, 2023 5:00 PM
To: Britt, Jennifer L <jlbritt@ncdot.gov>; Zak Shipman <zak@shipmanengineering.com>
Subject: [External] Pyewacket Subdivision

CAUTION: External email. Do not click links or open attachments unless verified. Report suspicious emails with the Report Message button located on your Outlook menu bar on the Home tab.

Jen:

First of all, thank you for helping to keep this approval moving forward. We are down to the last item which is approval of the box culvert structural engineering drawings. Kim Tyson called me today and said that she needed the driveway permit today to keep it on the schedule for the TRC this month. I explained where we are, and so the next deadline is next Wednesday, June 21 to get her the DOT approval + driveway permit. Do you have a person or department that I can contact regarding the culvert design approval? This is the last item.

Thank you Jen,

Warren

Shannon,

SMU's comments are as follows:

In the plans, Design criteria for live load is listed as HS20-44. If this is to be a state-maintained road and structure, HL-93 live load needs to be the design criteria and an LRFR sheet is required. All design for load effects needs to be in accordance with the AASHTO LRFD Bridge Design Specifications and chapter 9 of the Structure Design manual found

here: <https://connect.ncdot.gov/resources/Structures/StructureResources/SMU%20Design%20Manual.pdf>

Structural Concrete specifications need to adhere to Section 1000 of the NCDOT Standard Specifications.

Thanks,

Adam A. Cole, PE

Engineering Supervisor III
Field Operations – Western Region
Structures Management Unit
Department of Transportation

919 707 6468 office
aacole@ncdot.gov

[1000 Birch Ridge Drive](#)
[Raleigh, NC 27610](#)

