

From: [Rob Gordon](#)
To: [Chris Tingler](#)
Cc: [Trent Butler](#); [Brian Chambers](#)
Subject: RE: Eng Review - Fairfield Bldgs 3 & 4
Date: Thursday, August 30, 2018 10:26:09 AM
Attachments: [image001.png](#)
[DOC083018-08302018093451.pdf](#)

See attached markup of the pavement markings & r/w improvements. Our technical standards can be found at the link below – the pavement marking details all begin with 11. The crosswalk detail is 11-11. The signage detail (15-03) is also an important detail to reference. Again, if the layout isn't exactly right, but you are referencing the correct details and requiring coordination with the City inspector, I think they will get installed correctly.

<https://www.wilmingtonnc.gov/departments/engineering/technical-standards-details>

If the TRC is otherwise complete, please make these changes on the signature set (once Brian calls for it). No need for additional Engineering submittal. The review is complete, but again please remember no permit has been or will be issued prior to release. This review must take place and permit issued prior to any CO.

Robert Gordon, PE
Plan Review Engineer
City of Wilmington/Engineering
(910) 341-5856

From: Chris Tingler [mailto:ChrisT@clinedesignassoc.com]
Sent: Tuesday, August 28, 2018 11:30 AM
To: Rob Gordon <Rob.Gordon@wilmingtonnc.gov>
Subject: FW: Eng Review - Fairfield Bldgs 3 & 4

Rob,
Have you had a chance to review my drawings?
Thanks Chris

Chris Tingler, PLA
Landscape Architect · Project Manager

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From: Chris Tingler
Sent: Wednesday, August 22, 2018 9:47 AM
To: Rob Gordon <Rob.Gordon@wilmingtonnc.gov>
Cc: Brian Chambers <Brian.Chambers@wilmingtonnc.gov>; Trent Butler <Trent.Butler@wilmingtonnc.gov>
Subject: RE: Eng Review - Fairfield Bldgs 3 & 4

Rob,
Good morning.
To satisfy comment 3 & 4 I have drawn in the proposed MUP ramp and adjusted the pavement marking in the street.
Is what I have drawn correct? Please see attached.
Thanks Chris

Chris Tingler, PLA
Landscape Architect · Project Manager

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From: Rob Gordon
Sent: Monday, August 20, 2018 2:49 PM
To: Chris Tingler
Cc: Brian Chambers ; Trent Butler
Subject: Eng Review - Fairfield Bldgs 3 & 4

Engineering has the following comments on Fairfield buildings 3 & 4, protrak submittal 4:

1. Note Only - As mentioned previously, this project will require an engineering submittal to review drainage calculations associated with the new buildings. Because the trunk lines to the pond have all been sized for this drainage there is little concern about the functionality of the drainage system and we have no objection to construction release conditional upon issuance of, and compliance with, a revised permit prior to issuance of a CO.
2. Note Only - also as mentioned previously, there will also be required state stormwater permit revisions necessary.
3. The MUP alignment is acceptable, but the ADA ramp may have to be rebuilt as an MUP ramp. The MUP ramp detail is on the plans, but the plans do not make it clear this ramp is to be

replaced. In looking at the ramp – it appears wider than a typical SW ramp, but not as wide an MUP ramp. It is possible it may be permitted to remain (dep on dimensions and cross-slope), but I would prefer to have it called out for replacement on the plans and leave that decision to the City inspector.

4. The pavement markings in Fairview Drive do need to be adjusted. My apologies for this not having been addressed in review prior to now, but if they are built the way proposed on the plans, they will have to be removed and shifted if/when the development across the street is constructed, and that will damage the asphalt.
 - a. Please shift the stop bar, striping and signage back to make room for a future special emphasis cross-walk. Again the cross-walk and opposing ADA ramp are not the responsibility of Fairfield 3 & 4, but alignment needs to be set now.
 - b. The stop bar is white, and the centerline & diagonals are yellow and rounded. The drawing now appears as one straight line.

Please call or email if there are any questions. It is fine with me if you would like to handle this response via email to avoid another submittal. Thank you.

Robert Gordon, PE
Plan Review Engineer

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