

**From:** [Rob Gordon](#)  
**To:** [Dan Fisk](#)  
**Cc:** [Brian Chambers](#); [Trent Butler](#)  
**Subject:** Eng review - Offices at Barclay  
**Date:** Monday, March 05, 2018 2:30:17 PM  
**Attachments:** [image003.png](#)

---

Engineering has reviewed the plans for the Offices at Barclay and have the following comments. Please note I reviewed the plans that were just submitted 3/1, with the rest of the application packet that was submitted to Engineering in January.

1. Please add 2 DA's on p4 of the application – one for BUA draining to the South (to forebay 2) and one for BUA draining to the North (to forebay #1). I think, the dusty Miller entrance drains to the North, but may have to check which side of the high point this drainage flows to. You may want to assign future allocation to the area draining North to allow flexibility with future development of the tract.
2. A master permit modification will be required. The pond clearly has capacity, so I will not require it prior to permit issuance – but I would like it complete prior to CO. It will be added as a condition of construction release. Whoever is going to process this change should contact me, there are a few discrepancies that need to be cleared up with the modification. No fee is typically required for a master permit mod that is made concurrently with an offsite permit.
3. A public drainage easement will be required to cover the pipes the clip the two Northern corners of the property. There appears to be a line drawn, but it is not called out as a proposed easement and I have not found if/where these easements were recorded previously. The proposed sign may be in conflict with this easement. The sign cannot encroach into the easement, but we should have some flexibility with the location of the easement - you be able to shift the location of the easement just inside the sign.
4. Note Only - I think a couple of your swale DA labels are incorrect on the figure 2 DA map. I have made the correction on my copy, no action necessary.
5. Note Only (for future planning) – the location of the proposed future access road tie in to Dusty Miller is in conflict with a storm drain CB and light pole.
6. Note Only – City technical standards require 3:1 ditches, proposed ditches are 2:1. Because they are private, this is only a suggestion – but if erosion occurs, it will increase the likelihood the forebays need to be cleaned out.
7. Note Only – this would probably be done anyway in the field, but...swale 1-3 is perpendicular to the pipe outlet. You may want to grade so the rip-rap apron is in line with the pipe or armor the opposite bank to prevent scour.

Please submit one final set of plans and along with any revised forms to Engineering for final review. An email submittal is fine – another hard copy submittal is not necessary. Please call or email if there are any questions. Thank you.

Robert Gordon, PE  
Plan Review Engineer

City of Wilmington, Engineering Division

212 Operations Center Drive  
Wilmington, NC 28412  
Office: (910) 341-5856 | Fax: (910) 341-5881  
Email: [rob.gordon@wilmingtonnc.gov](mailto:rob.gordon@wilmingtonnc.gov)  
[www.wilmingtonnc.gov](http://www.wilmingtonnc.gov)



**Follow us on Facebook or Twitter**

[facebook/cityofwilmington](https://www.facebook.com/cityofwilmington)

[@cityofwilm](https://twitter.com/cityofwilm)