

Engineering has reviewed the plans for the Sir Tyler Drive Parking Lot Expansion project submitted April 11, 2019 and have the following comments:

Stormwater Management Permit Application Form

1. II. Permit Information:
 - a. #1: Enter '2010015' as the City of Wilmington Offsite Permit and 'SW8 090421' as the State Offsite Permit.
 - b. #2: Enter '2014002' for the City of Wilmington Permit and 'SW8 990306' for the State.
2. **Placeholder:** III. Contact Information: #1: Understood that Applicant information is currently being obtained.
3. IV. Project Information: #14:
 - a. Minor revision: Stream Classification is **SA**; ORW.
 - b. The basin information should only cover the project area (existing Wilmington Reg. Assoc. of Realtors parcel and proposed parking lot expansion parcel since they are being recombined into one parcel) and not the entire drainage area of Pond 4.
4. IV. Project Information: #15: May need revising based on comment 3.b.
5. **Placeholder:** VIII. Applicant's Certification: Understood that this certification is currently being obtained.
6. **Placeholder:** Submittal of \$500 review fee is still outstanding.

Wetland Determination

7. The report states the site contains a potential jurisdictional wetland feature and that the feature has not been verified by the USACE or NCDWR and are subject to agency verification. Verify with City Planning if an approved jurisdictional wetland determination must be submitted.

Plans

8. C-2.0:
 - a. The Site Information should address the project as one recombined parcel.
 - b. The Impervious Information does not agree with the information provided in the application.
9. C-3.0:
 - a. Need to see how that southern corner of the parking lot will be constructed with such a severe drop off proposed at the back of curb. Check with Planning, but I think you can encroach into the 12.5' wetland setback as long as the setback remains pervious and vegetated. In other words, you can add fill to eliminate the drop off and vegetate it.
 - b. Provide a cross-section detail near the Sir Tyler sidewalk connection parallel to the existing ditch line to show that an adequate shoulder (> 24 inches) can be constructed between the sidewalk and the top of the ditch slope. A decorative fence may need to be provided for public safety, coordinate with Construction Management (Bret Russell: 341-5890; bret.russell@wilmingtonnc.gov).
10. C-4.0: Not sure where the Storm Drain Concrete Pipe Trench Detail came from, but would prefer the use of NCDOT Roadway Standard Drawings in lieu of any other details for pipe installation.

Please submit revised plan sheets, stormwater application and any other supporting documentation to Engineering for additional review. Please call or email if there are any questions. Thank you.