

Engineering has reviewed the plans for the Coastal Kia project submitted August 13, 2019 and have the following comments:

1. In order for the existing state SW permit to be rescinded and a new permit issued by the city, NCDEQ approved plans and calculations for the original project must be submitted to the city so that we have all pertinent information on the pond in our files.
2. Submit a City Supplement and O&M for the pond since the permit will come to the City.
3. The HGL for the 50-year design storm appears to be above the rims of some of the existing structures. Verify that emergency access won't be impeded and flooding will not reach structures.
4. Site & Building Data on sheet 3 should be consistent with the SW Application.
5. Submit the formal Variance Request referenced on sheet 3.
6. Zoom Court and Joy Hines Road need to be officially accepted by the City.
7. Public drainage easements are needed for portions of the existing SD pipe system that is outside of the public r/w and is conveying public water.
8. How are pipe stub-outs being protected from being buried and/or clogged? Do stub-outs allow large amounts of sediment into the forebay? Would inlets with inlet protection prohibit all of that and would provide a better connection point for future expansion?
9. The proposed driveway apron in the cul-de-sac doesn't have the standard-sized flares (13'). Revise flares size according to the technical standards or submit a variance presenting the reason(s) the requirements cannot be met.
10. Does this project affect any existing wetlands on site? Is a jurisdictional wetland determination necessary?
11. All of the existing pipe system(s) do not appear to show up on sheet 3 of 7, DA1 and DA2.
12. DA1: If DA 2 were ever to develop, how would runoff from DA2 get to the pond?
13. EC1: The callout for the pipe downstream of CB30 appears to be incorrect. It doesn't match the pipe calcs.

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