

Engineering has reviewed the plans for the Coastal Finance Retail Center project submitted May 11, 2018 and have the following comments:

Stormwater-Erosion Control Narrative

1. **Note only:** The drainage area for the pond is not consistent throughout the narrative. Pre-development DA is 0.80 acres. NCDEQ Pond Design calculations use 0.80 acres as the DA. Post-development in the pond routing uses 0.83 acres as the DA. However, since the post-development is larger and the pre/post is still met, no revision to the calculations will be required.
2. Minor revision: The outlet invert into the pond is listed as 30.75' in the Storm Drain Design Computations, but is shown as 31.00' in the storm drain table on sheet C-3.1. Also, 30.75' is 6 inches lower than the bottom of the forebay.
3. The drainage area for DI 1 on the DA Map is too large. It reads 0.74 acres.

Supplement

4. Design Volume of SCM appears to be incorrect. 13,939 cf?
5. Wet Pond MDC #1: The volume of the main permanent pool appears to be incorrect.

Design Plans

6. C-2.0: An incorrect label has the sidewalk at a 6 foot width. The sidewalk scales to 5 feet wide. Please revise label.
7. C-5.0: Use the City standard sidewalk detail (SD 3-10) just as was done for the commercial driveway. Detail must show CoW title block.

Please submit **digitally** revised documents to Engineering for additional review. Please call or email if there are any questions. Thank you.