

Engineering has reviewed the plans for the Wilmington Pawville project submitted October 25, 2018 and have the following comments:

Stormwater Calculations:

- 1) Pond Calculations: Average Depth of 2.89' cannot be rounded up to 3'. Proposed 10' Maintenance Berm running along Cell Tower & Landmark Developers property line can be narrowed to 5'. This should allow for additional depth and volume for the pond.
- 2) Please interpolate Percent Impervious of 53% from the Coastal SA/DA Table and not round down to 50%.
- 3) Provide correct rainfall intensity for 2-yr storm routing.

Supplements

- 4) Update appropriate cells based on Pond changes.

O&M

- 5) Provide revised Basin Diagram sheet with updated Pond parameters.

Plans:

- 6) Existing Conditions (C0): Wetlands need to be Delineated or that state that "None Exist".
- 7) Site / Grading Plan (C1): Please show 20' public drainage easement from the Top of Bank of existing Ditch.
- 8) Site/ Grading Plan (C1): Additional spot elevations are needed along proposed sidewalk along Carolina Beach Road. These spots need to show compliance with ADA and City regulations acceptable for longitude and **cross slopes**.
- 9) Site/Grading Plan (C1): Revise Grading along proposed commercial driveway. Break point needs to be at property line.
- 10) Details (C3): Per Technical Standards Emergency Spillway must provide a min. of 0.5' feet above peak water surface elevation for the 50-year Storm. Please raise top of bank elevation adjust all corresponding plan sheets and details effected by revision.

Please submit revised plan sheets, supplement, O&M, calculations and any other documentation to Engineering for additional review. Please call or email if there are any questions.