

Engineering has reviewed the plans for the St. Mark Catholic Church / Mayfaire II Entrance project submitted February 13, 2019 and have the following comments:

**Stormwater Management Permit Application Form (St. Mark Catholic Church):**

- 1) IV. Project Information; Line Item 14: Take Offsite Impervious out of Future or Wet Pond calculations will need to be provided. Total Impervious surface and drainage area should match existing permit. Check %impervious calculation.
- 2) IV. Project Information; Line Item 9: Add Offsite Impervious to (Other) and Update future development with offsite taken out.

**Stormwater Management Permit Application Form (Mayfaire II Entrance):**

- 3) I. General Information; Line Item 1: Update Name to "Mayfaire II Entrance" only.
- 4) IV. Project Information; Line Item 14: This section is for the treatment Swale SCM only. Please update drainage area...ect.

**Stormwater Calculations:**

- 5) Curve Number: Provide soils report showing that soils are undrained otherwise Engineering will require the drained HSG (A) designation to be used as outlined in the TR-55 document. Please update CN Calculations and routing.

**Narrative:**

- 6) Update Pre / Post Summary once CN and routing are adjusted.
- 7) Describe how Low Density is being met. Included % proposed impervious surface compared to entire parcel acreage. Also describe how Low Density is temporary until future extension of roadway.

**Supplement**

- 8) Provide Grass Swale Supplement found at :  
<https://www.wilmingtonnc.gov/departments/engineering/plan-review/stormwater-permits>

**Plans:**

- 9) C-1.0: Update Wetland Note to state "Within Project Boundary".
- 10) C-6.2: Update Timber Weir Runoff summary based on adjusted routing calculations.

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