

Engineering has reviewed the plans for the SECU S. 17th Street project submitted September 9, 2019 and have the following comments:

Stormwater Management Permit Application Form

1. II. Permit Information:
 - a. #1: Enter 91023, 92054 and 94034 as existing City of Wilmington SW permits associated with SW8 940810 for Preston Woods.
 - b. #2: Enter 2017006 (Arbor Commons) and 2017022 (Lidl Grocery Arbor Commons) for the existing City of Wilmington SW permits. Enter SW8 160811 (Arbor Commons) and SW8 170217 (Lidl Grocery Store #1181) for the existing State SW permits.
2. III. Contact Information: Note only: It appears this parcel is being sold to the SECU. If that is the case, the application can be completed as if the transaction has occurred and SECU is now the property owner. In 1.b., "the property owner" would be checked instead of "Purchaser". Complete the remainder of the application accordingly. If you choose to keep the application as is, I will need a copy of the pending sales agreement as outlined in the application.
3. IV. Project Information:
 - a. #6: There appears to be existing impervious within the property area. The existing impervious is located in the area from the western parcel boundary to the existing public drainage and access easement line (sheet C-1.1).
 - b. #7: Please account for any existing impervious that will be removed as part of this project. Update #8 accordingly.
 - c. #9: Revise this item to exclude any existing impervious surface area.
 - d. #10: Total Onsite Impervious Surface will equal #8 plus #9.
 - e. #12: Please include any impervious surface constructed within the public rights-of-way as offsite newly constructed impervious surface. Update #13 accordingly.
 - f. #14: Please complete the table for all impervious within the parcel boundary that drains to the Preston Woods pond.
4. Note only: The City SW Application needs to be consistent with values found in the State SW permit SW8 160811 (Arbor Commons).

Off-Site System Supplement

5. Not required since the permitting is thru the State.

Stormwater Calculations

6. Narrative-Proposed Improvements: The proposed building square footage of 8,526 is not consistent with the SW Application.
7. Storm Sewer Inventory Report: Verify the rim and inverts for CB1 in the storm calculations.

Plans

8. All sheets in the plan set need to have the Engineering Approval Stamp.
9. C-1.1/1.2:
 - a. Hatch existing impervious surface area to be demolished.
 - b. Show demolition of existing SD pipes.
 - c. Show the existing pavement markings along Hollingsworth Drive.
10. C-2.1:
 - a. Delete all demolished impervious linework.
 - b. Differentiate existing sidewalk from proposed sidewalk. It is difficult to tell which is which.
11. C-2.2:
 - a. Show the existing Hollingsworth Drive driveway and sidewalk as removed.

- b. Show the new pavement markings on Hollingsworth Drive that eliminates the turn lane into the site.
 - c. Delete the linework for the existing SD pipe and energy dissipater that are to be removed.
- 12. C-4.1/C-4.2:
 - a. Public sidewalk must have spot grades along both edges to demonstrate constructability and compliance with cross and longitudinal slopes.
 - b. Add pipe lengths, pipe slopes and pipe material to the plan view.
- 13. C-5.1: CB 13 appears to be outside of its drainage area.

Please submit one complete set of plans, storm application, calculations and any other supporting documentation to Engineering for additional review. Please call or email if there are any questions.
Thank you.