

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

1. This project is proposing the construction of on-site newly constructed impervious surface greater than 10,000 sf, therefore the project is subject to full stormwater review. Please submit the Stormwater Management Permit Application Form, a \$1,000 permit application processing fee, one full set of design plans, calculations, etc. and include a digital copy of the entire submittal package. Please see the Engineering Plan Review Checklist for submittal requirements. Additional comments will be made once the full engineering submittal is reviewed. Please note our review times are approximately 45-60 days right now. Please factor this into your submittal schedule.
2. Section 18-735.b.4 (newly constructed exceeds 50% of total impervious area) may be applicable for this project. Please verify.
3. SW Ordinance; Sec. 18-761(a): The pre-development peak discharge rate shall be computed assuming that all land uses in the drainage area of the proposed facility are in a predevelopment state. The city considers predevelopment state to be woods in good condition for the purposes of determining runoff coefficients.
4. All stormwater control systems must be designed to treat the stormwater runoff from all surfaces generated by one and one-half (1-1/2) inches of rainfall for water quality purposes.
5. The city has determined regardless of density classification or location the minimum control for safety of life and property to be the control of the post-development peak discharge rate of the two (2)-year, ten (10)-year and twenty-five (25)-year storms to not exceed the pre-development peak runoff discharge rate for the same storms.
6. Privately owned and maintained on-site conveyances must be designed for the 10-yr storm and analyzed for the 50-yr storm event to check the system for flooding. Please be sure to include appropriate tailwater condition in the storm drainage analysis.
7. Include inlet and SCM drainage area maps with the analysis or within the plan set. Please make sure each drainage area is labeled and quantified.
8. Identify and submit in writing all necessary Technical Standard Variance requests, if any, to Engineering for review.
9. The existing drainage feature that is acting as the outfall for the pond must be put in a public drainage easement sized per the technical standards (TSSM Ch. V.D.3.f).
10. Address how roof runoff is to be conveyed to the wet pond.
11. Pond will need a forebay and an emergency spillway. Please provide 1 foot contours for the wet pond in both the forebay and main pool.
12. Provide the 10' maintenance access and 5' landscape zone around the perimeter of the pond from the top of the bank outward per the technical standards. Need 15 feet as the two cannot be combined or overlap.
13. Traffic/Transportation review comments appear to have covered the existing driveways and their compliance with the technical standards.
14. Sidewalk along CBR frontage has been addressed in other's comments as well.

Please call or email if there are any questions. Thank you.