

Engineering has reviewed the plans for the Parkway Automotive Parking project submitted May 7, 2018 and have the following comments:

1. Provide a map that delineates both the SCM drainage area and the inlet drainage areas.
2. Market Street is a NCDOT controlled street. Are they aware of the SCM draining into their right-of-way? Provide documentation of NCDOT's approval.
3. Show proposed contours for the grading of the Market Street roadside ditch where the removal/closure of the driveways are occurring.
4. Provide calculations that show how the pre and post runoff coefficients/curve numbers were determined.
5. Provide calculations demonstrating that the water quality volume (1.5") is being stored and infiltrated with the rain tank system.
6. Please provide sidewalk along the Market Street frontage or provide documentation that payment-in-lieu to NCDOT is being processed or has occurred. If NCDOT is installing the sidewalk, please add all NCOT roadway improvements to the plan and add notes that NCDOT is installing.
7. Model the system where the 10-year storm event will not infiltrate. See Technical Standard in Chapter V, Section I.5 (page 5-59).
8. Revise the design rainfall depth in the supplement to read 1.5 inch. Update the minimum volume required and the design volume of SCM (all 1.5" based).
9. The decimal places can be moved within the excel program for the numbers to be consistent with the calculations and plans (i.e. bottom of infil. sys. 36 vs. 35.7).

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