

Engineering has reviewed the plans for the Mazda of Wilmington project submitted April 22, 2019 for TRC review and have the following comments:

1. This project is proposing the construction of on-site newly constructed impervious surface area greater than 10,000sf, 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 and any other supporting documentation to Engineering for review. Please also submit a digital copy of the entire submittal package. Additional comments will be made once the full engineering submittal is reviewed. Please note our review times are approximately 30-45 days right now. Please factor this into your submittal schedule.
2. The project is proposing less impervious than is existing. Therefore, the project must only provide stormwater controls that are equal or better than what is existing.
3. Does this site have an existing State SW permit? If so, please pursue the appropriate modification for the development activity and forward a copy once received.
4. Please affix the appropriate stormwater approval stamp to each sheet in the plan set.
5. Make the demolition areas stand out more than they do. The areas of demolition are difficult to discern from areas to remain.
6. Driveways shall conform to the dimensions and requirements found in Chapter 7, Section C of the Technical Standards Manual. Variances may be requested in writing for any deviations from the technical standards.
7. Since the project will be impacted by an NCDOT improvement project, the developer shall submit a sidewalk payment-in-lieu for the proposed Market Street public sidewalk. Payment-in-lieu amount should include the cost to install the concrete sidewalk, grading and possible relocation of existing utilities.
8. Provide a drainage plan that accentuates the stormdrain pipe layout. Label the type, size and slope of the existing and proposed storm drain pipes. Provide inverts of the stormdrain structures
9. Provide an inlet drainage area map. Drainage areas should be delineated labelled and with square footages listed.
10. Piped collection systems shall be designed for the 10-year frequency storm event and analyzed for the 50-year frequency storm event to check the system for flooding. Assign an appropriate tailwater to the analysis.
11. Provide all appropriate details to support stormwater management systems. Appropriate details for drainage structures can be City or NCDOT (preferred).
12. Provide all appropriate city standard details. City details shall be the most recent pdf version downloaded from the city website. City details must have the City titleblock.

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