

Engineering has reviewed the TRC submittal for the Hendrick Honda of Wilmington project and offers 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, \$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.
2. 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.
3. 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, & twenty-five (25)-year storms to not exceed the pre-development peak runoff discharge rate for the same storms.
4. 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 for analysis.
5. Please provide Geotechnical Report with Stormwater Submittal. Note: It is very unusual for the City to see SHWT not present and/or at a depth close to 10’.
6. There is a concern that tailwater of existing outfall ditch will compromise underdrain system, additional clarification is needed.
7. Include Inlet drainage area maps with the analysis or within the plan set. Please make sure each drainage area is labeled and quantified.
8. Provide Offsite drainage area map for FES5 & FES6 bypass pipes. Please provide an analysis for existing ditch and piping along Market Street to see if it can adequately handle this additional runoff. As designed there is a 24” pipe discharging to existing 18” pipes along Market Street.
9. Provide documentation from NCDOT allowing offsite runoff as designed.