

Engineering has reviewed the plans for the Howard RV Center project submitted April 30, 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. This project appears to be proposing a net increase in on-site newly constructed impervious surface area. When an existing development is redeveloped, either in whole or in part, increased stormwater controls (water quality and water quantity) shall only be required for the amount of impervious surface being created that exceeds the amount of impervious surface that existed before the redevelopment.
3. The pre-development discharge rate may be calculated to reflect the existing conditions on site. They will not be required to be calculated as woods in good condition.
4. The project should avoid drainage diversion – the redirection of runoff from one drainage area or discharge point in the pre-developed condition to another area or discharge point in the post-development condition.
5. Is the proposed Market Street sidewalk to be installed with this project or is there an NCDOT project that would possibly trigger a sidewalk payment-in-lieu? Please verify.
6. Neither sheet addresses the demolition of existing impervious along the front of the property within the existing and future Market Street r/w.
7. Relocate utilities that are shown to be in the alignment of the Market Street sidewalk.
8. Provide a Grading and Drainage Plan.
9. 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.
10. Provide sizes, lengths, inverts and slopes for all proposed pipes.
11. Provide all appropriate details to support stormwater management systems.
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.
13. The property line offset for the proposed driveway location does not meet the technical standard for major thoroughfares. A variance request may be submitted in writing addressing why the standard cannot be met.
14. Drainage in the Market Street r/w must be addressed.
15. Provide spot elevations on both sides of the Market St. sidewalk to demonstrate constructability and ADA compliance.
16. Demonstrate there is an appropriate outfall for the proposed SCM.
17. Provide one-foot contours in the SCM.
18. Tie in proposed contours to their corresponding existing contour.
19. Will the SCM have an emergency spillway?
20. Provide a landscape plan for the proposed SCM.
21. Provide the required maintenance access and landscape zone per the technical standards.
22. Driveways shall conform to the dimensions and requirements found in Chapter 7, Section C of the Technical Standards Manual

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