

Engineering has reviewed the plans for the Birchwood Drive Access Plan project submitted February 13, 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. 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.
3. An appropriate outfall must be provided for the stormwater system. Does the outfall ditch need maintenance?
4. The Birchwood/Market Street intersection looks incomplete based on aerial imagery. Birchwood Drive sidewalk does not connect to the Market Street sidewalk. Curb and gutter does not connect either. What is the status of this intersection? Is NCDOT going to complete that area?
5. Is there any intention to close the existing Market Street driveways or wait until each parcel is developed to determine driveway connections?
6. The Birchwood Drive access entrance is non-compliant with City Technical Standards. Is there an underlying reason that the entrance is so wide?
7. The pond inlet pipe needs a flared end section or headwall per City standards.
8. Are there existing private drainage easements over the outfall ditches/piping?

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