

Engineering has reviewed the TRC submittal for the Middleburg Apartment 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 days right now. Please factor this into your submittal.
2. A Modification will be needed for Riverlights – Conventional Phase I SWP2016012 due to change in drainage area, impervious surface, and revisions to infiltration basin SCM#7. This permit modification will require a separate \$500 review fee.
3. Provide an offsite supplement for Middleburg Apartments draining to offsite system SWP2014012.
4. Based on approved catchment drainage area map it does not look like inlets, within Watercraft Ferry, were sized for Future Development (Middleburg Apt.). Please show that these existing pipes are adequately sized and to do not need to be upsized.
5. Assure there will be no impacts to Old Town Road such as saw cuts, landscaping, utilities....ect. Final acceptance by the City may be delayed if there are plans for modifications.
6. Sidewalk needs to be included along the Northside of Watercraft Ferry Avenue adjacent to Side B of the Apartment Complex. All other sidewalks look to be provided.
7. Please coordinate driveway curb cuts with the Watercraft Ferry Extension project.
8. Please clarify the need for dual driveways providing access to Side A of the apartment complex.
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 for analysis.
10. Provide an updated overall DA map for SWP2016012 labelled & delineated with total acreages.
11. Provide a drainage area map for each inlet area labelled and delineated with total acreage.
12. Provide sizes, lengths, inverts, and slopes for all existing and proposed storm pipes. Check pipe table on CG-503, there looks to be few mislabeled inverts.
13. Provide cross sections and appropriate details for modified SCM#7. Will any modifications need to be made to outlet structure?