Engineering has reviewed the TRC submittal for the Trolley Station project and offers the following comments:

1. The project proposes less than 10,000 square feet of newly constructed impervious but greater than 2,500 square feet. Therefore, it qualifies as a drainage plan. A drainage plan submittal should be sent directly to Engineering that includes a check for $200 drainage plan review fee, stormwater permit application (Form SWP 2.2), revised plans, and any other necessary documents.

2. Please note: The Trolley Station project may be subject to future improvements involved with the Wrightsville & Jones Avenue roundabout project. The City believes this project should be completed well in advance of the roundabout project. However, the City will coordinate preliminary plans, with Cape Fear Engineering, and work together to resolve any potential conflicts.

3. A plan and profile along with Cross Sections will be needed for Jones Avenue Improvements.

4. Coordination is needed with Pilgrim Baptist Church to obtain public drainage easements for drainage structures located outside of the Jones Avenue right-of-way.

5. Additional information on existing outfall ditch is needed to show it can handle proposed additional runoff capacity.

6. Please provide a cross section of the Wrightsville Avenue shoulder to demonstrate proposed grading and drainage.

7. Please provide spot elevations, drainage arrows, & FFE for the building.

8. The project cannot sheet flow into the right-of-way per City Technical Standards. Please coordinate roof drains, yard inlets, and/or swales to proposed internal drainage system.

9. Assure improvements will not adversely affect adjacent property owners. Any potential for cutting off existing drainage patterns and/or trapping stormwater will need to be addressed.

10. All requirements from the NCDEQ Stormwater Design Manual must be met for the pervious concrete since 100% pervious credit is being taken. The following submittal should include a supplement, O&M, soils report, and calculations showing pervious concrete meets SHWT separation and drawdown requirements per the MDC.

11. Provide an observation well at the low point of the pervious concrete or the low point of each terrace if used (NCDEQ SW Design Manual, Permeable Pavement, MDC 9). A detail will also need to be provided.