

Engineering has reviewed the TRC submittal for the Maides Park Gymnasium Addition project and offers the following comments:

1. This project is modifying an existing City stormwater permit (SWP2007063) and is being considered a Minor Modification subject to full stormwater review. Please submit the Stormwater Management Permit Application, \$400 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 20-25 days right now. Please factor this into your submittal.
2. A Modification will be needed for NCDEQ Low Density Stormwater Permit SW8 070850. Please forward to the City Engineering Department once completed.
3. Consideration of disconnected impervious surface (roof drains) to grassed swale would be looked at favorably by City Staff.
4. FYI: The Two Existing Dry Detention Basins were provided for City Pre-Post requirements only.
5. Please show Manly Drive improvements on all sheets. The City can provide plans and files as requested and needed.
6. Please move proposed Waterline Tap North away from recently improved Manly Drive. The City does not want a saw cut of this size being proposed in this area.
7. Consider realigning proposed 18" RCP to tie into Drop Inlet located in front of proposed gymnasium. The existing 12" RCP will have to be upsized but will help avoid significant saw cut and repair to existing parking lot.
8. 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.
9. Assure Existing Dry Detention Basins have been properly maintained and are functioning per permit SWP20070623.
10. Provide a drainage area map for each inlet area labelled and delineated with total acreage.
11. Provide sizes, lengths, inverts, and slopes for all existing and proposed storm pipes.