

From: [Rob Gordon](#)
To: galen.jamison@catlinusa.com
Cc: [Derek Pielech](#); [Jeff Walton](#); [Genna Porter](#)
Subject: Eng TRC Comments - Cinema Drive Fire Station
Date: Wednesday, November 13, 2013 5:22:22 PM
Attachments: [image002.png](#)

Engineering has reviewed the TRC plans for the Cinema Drive Fire Station and have the following comments:

1. The project will require a City stormwater management permit. Please submit one copy of plans, calculations and a completed application to Engineering. The fee will be processed internally. This project will not have a flood control requirement; all flood control requirements are handled by the offsite pond.
2. The project is covered by the DENR Stormwater master permit for the Hock Division. An offsite permit from DENR will also be required. Please note there may be complexities to this permit because of impacts to this permit from the NCDOT Kerr Ave widening.
3. Please submit calculations demonstrating that all stormwater conveyances have been designed for the 10-yr storm. Please make sure an appropriate tailwater is applied to the analysis. Please also include an inlet drainage area map.
4. Please provide a swale detail. The swale along the Southern portion of the property appears very shallow. Please make sure a minimum depth is specified along with a berm is necessary (the head of the swale appears almost at grade)
5. Will the swales require matting for stabilization? Please clarify.

These comments will be uploaded to protrak. Please call or email if there are any comments after the TRC meeting. Thank you.

Robert Gordon, PE
Project Engineer

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