

Engineering has reviewed the plans for the Oleander Storage II project submitted June 22, 2016 and have the following comments:

Supplements

1. Page 16-2 line item 20 in Chapter 16 Infiltration Devices of the NCEQ Stormwater BMP Manual states under the heading 'Required by DWQ policy': Pretreatment devices must be provided to prevent clogging. I don't know that pretreatment can be provided at the flume locations, but concrete sumps can be provided for the pipe systems. Please provide a form of pretreatment (see 16.3.4). Submit revised supplements.

Stormwater & Erosion Control Narrative & Calculations

2. Please revise culvert design calculations for the proposed 72" culvert crossing the stream per the review comments regarding the Offsite Drainage Plan.

Plans

3. Basin Drainage Plan – Swale #1 is not shown as part of the drainage area for IB #1. Please revise. Make sure the site plan is the most current.
4. Offsite Drainage Plan – The offsite drainage plan does not include the project site. The site label is pointing in the vicinity of the driving range. The site itself is not within the viewport on the plan. Also, there looks to be some discrepancy with the drainage area shown based on our pipe system inventory – I believe there is more drainage area to be accounted for. Please show the site layout and the 72" culvert on the offsite drainage plan.

Please submit one complete set of plans, calculations, supplements and any other supporting documentation to Engineering for additional review. Please call or email if there are any questions. Thank you.