

Engineering has reviewed the plans for the 4 Seasons Site & Demo project submitted December 15, 2016 and have the following comments:

#### **Stormwater Management Permit Application Form**

1. Line Item #14: The buildings/lots should be entered as 8,956 sf, the impervious pavement as 104,862sf and the existing impervious to remain should be entered as 8,252sf.

#### **Wet Detention Basin Supplement**

2. Elevations; Sediment cleanout, top elevation: Listed as 2.50. Should be 2.00?
3. Elevations; Sediment cleanout, bottom elevation: Listed as 150. Should be 1.00?
4. Previous comment: *Surface Areas; Area, sediment cleanout, top elevation: Revise input. '3' is not accurate.* You revised it to '2', but it should be the surface area at elevation 2 (2,123sf), not the elevation itself.
5. Surface Areas, Volume, Permanent Pool: Supplement lists 31,338cf. Calcs have 32,589cf. Revise to 32,589cf on supplement.
6. Surface Areas; Average depth calculated: This must be above 3 feet. Rounding up to 3 is not permitted.
7. **Note only:** More numbers may require revising once the average depth issue is resolved.

#### **Wet Detention Basin O&M Agreement**

8. Please revise the main pond sediment removal and bottom elevations. Need to be 2 and 1, respectively. These numbers may change again once the average depth issue is resolved.

#### **Stormwater Calculations**

9. Recheck the calculations starting at pond depth through forebay storage in conjunction with average depth review comment.

#### **Plans**

10. **C-4:** It appears that the inverts listed in the storm culvert table for P-4 and P-5 are reversed according to the header. Please reverse the inverts.
11. Please use the current stormwater approval block (attached).

Please submit only the revised sheets or pages from the plan set, application, supplement, O&M agreement, calculations and any other supporting documentation to Engineering for additional review. Please call or email if there are any questions. Thank you.