

Engineering has reviewed the plans for the Birchwood Drive Access Plan project submitted April 8, 2019 and have the following comments:

Stormwater Calculations

It appears that the resubmitted storm sewer tabulations are the same as what was initially submitted (no changes).

1. Previous comment: *Line 5 slope and invert up in the Storm Sewer tabulation does not agree with the information on C-4.0.*
2. Previous comment: *The HGL appears to start below the pond's permanent pool elevation. HGL should start at the 1.5" water surface elevation at a minimum, but ideally at the 10- and 50-year pond water surface elevations for the 10 and 50-year analyses.*

Plans

3. C-3: Previous comment: *Label all easements as public or private.*
4. C-4.0:
 - a. Previous comment: *Make sure the tables match the storm pipe calculations and the information in plan view.* Storm Culvert and Storm Structure tables are not consistent with the Storm Sewer Tabulations.
 - b. Previous comment: *Label the storm structures in plan view to match the storm structure table.* Label discrepancies are CB vs. CI.
5. C-4.2: This sheet was not resubmitted. Based on the sheet from the initial submittal, labels were provided, but there are drainage area discrepancies between this sheet and the Storm Sewer Tabulation.
6. C-5/C-6.2: The emergency spillway elevation should be 37.80'.
7. C-6.2: The Pond Cross-Section table needs updating...Volume Shelf (978), S.A. Provided (6,235), S.A .Required (5,142) and Avg. pond depth (4.1).

Please submit **digitally** revised plan sheets, calculations and any other supporting documentation to Engineering for additional review. Please call or email if there are any questions. Thank you.