

November 6, 2018

Ana Arsova
Engineer II
Divisions of Regulatory Services
St. Johns River Water Management District
Maitland Service Center
601 South Lake Destiny Road, Suite 200
Maitland, FL 32751

Reference: Clermont Commerce Center
St. Johns River Water Management District
Application No. IND-069-155439-1

Dear Ms. Ana Arsova:

We are in receipt of your recent comments regarding the above referenced project, and offer the following in response:

Comment Responses:

Comment 1: It appears that the routing analysis for the 100-yr 24-hr storm was done for 30 days. Please provide the output files that show the routing extended to 14 days.

Response 1: Per our telephone correspondence; the following changes were incorporated for the analysis of Pond A and Pond B:

- A. Based on the surveyed elevations and the *Location Plan* within the Geotechnical Engineering Services report, the ground surface elevations were obtained at boring numbers B-11, B-12, PB-1, PB-2 and PB-3. Based on the average ground surface elevations and the recommended aquifer depth of 25 feet below ground surface, an aquifer elevation of 133.00 FT was calculated and used in the PONDS analysis. An elevation calculation is included in Appendix F of the Revised Drainage Calculations Report.**
- B. A revised DCIA was calculated for each pond based on the corresponding pond area at the provided PAV elevation. A calculation is included in Appendix F of the Revised Drainage Calculations Report.**
- C. Based on the Geotechnical Engineering Services report, the *Recommended Coefficient of Horizontal Permeability* is 45 ft/day. An adjusted permeability rate of 30 ft/day, based on a factor of safety of 1.5, was used in the PONDS analysis.**

Based on the aforementioned revisions and the PONDS analysis, Ponds A and B recover the 100 YR 24 HR storm volume within the required 14 days. The analysis and results are included in Appendix D of the Revised Drainage Calculations.

If you have any further questions, please do not hesitate to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read "Chad S. Linn".

Chad S. Linn, P.E.
Project Manager

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