



EVAN N. PRATT, P.E.

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November 1, 2017

Mr. Greg Heim, P.E.
Vanston/O'Brien Inc.
2375 Bishop Circle West
Dexter, Michigan 48130

RE: Ann Arbor Dog Training Center Expansion
Northfield Township, Michigan
WCWRC Project No. 1734

Dear Mr. Heim:

This office has reviewed the site plans for the above referenced project to be located in Northfield Township. These plans have a date of October 16, 2017, and were received on October 18, 2017. As a result of our review, we would like to offer the following comments:

1. A storm water narrative should be prepared and submitted to our office for review.
2. An emergency overflow channel, approximately 0.25 to 0.5 feet above the retention volume elevation, with an unimpeded route to a receiving channel should be included in the retention basin design.
3. The elevation of the emergency overflow for both the infiltration basin and the retention basin should be shown on the plans.
4. The depth of basin storage for the infiltration basin is identified on plan sheet C-5 as 3 feet. However, the infiltration interface area and the basin storage volume appear to correspond to a storage depth of 2 feet.
5. The infiltration rate used on Worksheet W11 exceeds the maximum design infiltration rate of 10 inches per hour.
6. Inspection of the infiltration basin following storms of 1 inch or more should be added to the long term maintenance plan.
7. A permanent buffer strip of natural vegetation extending at least 15 feet in width beyond the freeboard elevation of the wet pond must be included. Include a planting plan for the buffer strip.

8. Within your landscape plan, include a plant list for live plantings that will be planted below the first flush elevation. Illustrate where the live planting will go in the infiltration basin.
9. Within the infiltration basin and wet pond buffer, soils must be amended with a composted organic material. Soils must be free of construction debris and subsoils. A recommended soil blend includes 20 to 30 percent compost.
10. Current review fees total \$261.25 with no outstanding balance. Please remit these fees upon receipt of the accompanying invoice.

At your convenience please send us a complete set of revised plans and the additional information requested above so that we may continue our review. If you have any questions, please contact our office.

Sincerely,



Theresa M. Marsik, P.E.
Storm Water Engineer
(approval\Ann Arbor Dog Training Center Expansion rev1)

cc: Kathleen Manley, Northfield Township Clerk
Matt Parks, P.E., Northfield Township Engineer (OHM)