



Bucky Sparkle, PE  
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23 July 2019

Richard Harris, Director of Planning and Conservation  
Planning Department  
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South Hadley, MA 01075  
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Project: **Skinner Woods Flexible Development**  
Subject: **Response to 7/10/19 Fuss & O'Neill Letter**  
Client: Skinner Woods, LLC  
Thomas Spring  
2 Cedar Ridge  
South Hadley, MA 01075

Dear Richard,

Below, please find a point-by-point reply to the comments from Fuss & O'Neill.

The assumptions made during the preliminary design phase (that the soils are dry sand) hold true and the fundamentals of the design remain unchanged. Per comments from the Planning Board, minor revisions to the submitted plans will require minor reconfiguration of the stormwater system – as anticipated with the Preliminary Submittal. Overall, the comments from Fuss & O'Neill present no technical impediments to the proposed design and future iterations will be substantially similar to the current plan.

#### Stormwater Management

1. Seasonal high groundwater is deeper than 16.5 feet. Further details are provided in the 7/6/19 Soils Report and 7/6/19 Updated Stormwater Report.
2. We are in contact with MassWildlife and are in process of updating the April 26, 2018 letter they issued.
3. Soils testing was performed, please refer to Soils Report. To summarize, other than the area used as a fill dump, the soils are as anticipated: clean, dry sand and gravel.
4. As indicated in the Updated Stormwater Report, the mound below the infiltration area will be less than 1 feet. Separation between the bottom of the infiltration basin and the groundwater is over 14 feet.

5. No change to existing drainage patterns is made. No easement is anticipated. Additional survey is being performed to verify grading along development boundary.
6. Material storage and stockpile areas will be depicted on next version of plans.
7. The Operation, Maintenance and Inspection (OMI) Agreement will be executed once the final design is done and approved.
8. The OMI Agreement will be recorded and proof provided to the Planning Board.
9. Installation records (as-builts) will be maintained in perpetuity and maintenance and inspection records will be retained for 3 years. Maintenance and inspection records will be submitted to the DPW Superintendent within 30 days of completion. The Stormwater Report's Standard Operation & Maintenance Protocol section has been updated and will be resubmitted with the next design iteration.
10. The Planning Board shall establish a financial guarantee, as required.

### General

11. A SWPPP will be provided before beginning construction. This document references specifics of the contractor and final design. As such, it cannot be generated at this time.
12. The Proposed Conditions Plan for Subcatchment Areas will be revised for clarification with the next iteration of the design.
13. The temporary sedimentation basin sizing calculations will be provided with the next iteration of the design.
14. Material laydown areas will be depicted on the plans with the next iteration of the design.
15. MassWildlife has reviewed the turtle protection plan. We are in the process of revising project impacts and will verify that proposed protections meet MassWildlife's recommendations.
16. Snow storage areas will be depicted on the plans with the next iteration of the design.
17. Freeboard for the emergency spillway will be adjusted with the next iteration of the design.
18. Impervious area will be recalculated and verified with the next iteration of the design..
19. The emergency spillways for the basins will be included in the HydroCAD model with the next iteration of the design.
20. The recharge storage volume will be clarified with the next iteration of the design.
21. BMP component terminology will be clarified with the next iteration of the design.
22. Pending available space, a wider berm will be provided with the next iteration of the design.
23. Soil assumptions used in the original design were verified as accurate by the test pits in regards to infiltration.
24. Fabco StormBasin inlet protection will be on both catch basins. This will be detailed with the next iteration of the design.
25. Water quality volume & flow rate calculations will be provided with the next iteration of the design.
26. The owner contact information has been added to the O&M portion of the stormwater

submittal and will be published with the next iteration of the design.  
27. This was an oversight. A catch basin detail will be provided with the next iteration of the design.

Please let me know if you have any questions.

Brightly,

A handwritten signature in black ink that reads "Bucky Sparkle". The signature is written in a cursive, slightly slanted style.

Bucky Sparkle, PE

CC: Thomas Spring (digital copy)  
Aimee Bell, Fuss & O'Neill, 1550 Main Street, Suite 400, Springfield, MA 01103

Attachments (copies will be mailed to Fuss & O'Neill when they provide email addresses):  
Soil Report by The Zengineer, dated 7/6/19  
Revised Stormwater Report by The Zengineer, dated 7/6/19