

# STAMSKI AND MCNARY, INC.

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JOSEPH MARCH, P.E., P.L.S.  
GEORGE DIMAKARAKOS, P.E.

March 19, 2020

Concord Zoning Board of Appeals  
141 Keyes Road  
Concord, MA 01742

Re: Earth Removal Special Permit Application  
246 Old Road to Nine Acre Corner

Members of the Board,

On behalf of our client, Concord Country Club, we have revised the attached Irrigation Pond Plan, dated March 18, 2020. Changes have been made in response to comments received via a memorandum from Valeria Doerrer to Elizabeth Hughes, dated March 2, 2020:

## **Engineering Division Comments:**

1. A Stormwater Pollution Prevention Plan (SWPPP) has been prepared. The NOI has been filed with the EPA and is currently under review. The review period will conclude on April 6<sup>th</sup>. The SWPPP will be submitted upon approval by the EPA.
2. The plan has been revised so that the existing contours are now labeled. Additional topographic information is also now provided.
3. Additional topographic information is now provided. An infiltration basin is now proposed to mitigate the impacts of the previously propose point discharge. The infiltration basin has been designed to infiltrate the 2, 10, and 25-year storm events. An overflow trench is provided at the infiltration basin outlet to spread out the overflow from the basin during the 100-year design storm.
4. Stormwater management calculations have been prepared comparing pre and post development conditions. An infiltration basin is proposed to mitigate the impacts of the proposed work.
5. Additional soil testing has been performed to demonstrate that the proposed excavation will not result in any finished grades that are within 4' of the historical high water table where the pre-development finished grade is/was greater than 4' above the historical high water table. In light of the chaos surrounding the current COVID-19 situation, these test pits were not observed by a representative from the town. Confirmatory test pits can be performed prior to the issuance of the permit or commencement of the work.
6. Cut/fill calculations have been revised to account for a swell factor of 1.12. Further, cut/fill calculations have been revised to account for the additional grading proposed as part of the stormwater management design.
7. This comment has been addressed in a letter from Paul J. Roche to Peter J. Rappoccio. This letter is attached hereto.
8. This comment has been addressed in a letter from Paul J. Roche to Peter J. Rappoccio. This letter is attached hereto.
9. The proposed liner will be secured via an anchor trench (see detail on Irrigation Pond Plan). The slope will be stabilized via an erosion control seed mix.
10. The applicant will work with the Engineering division in order to submit a performance bond prior to resuming hauling.

**Water/Sewer Comments**

1. A site plan showing the existing irrigation infrastructure is now provided. No modification to the existing irrigation system is proposed, with the exception of the construction of the irrigation pond and connection of the pump house to the existing system.
2. This comment has been addressed in a letter from Paul J. Roche to Peter J. Rappoccio. This letter is attached hereto.
3. This comment has been addressed in a letter from Paul J. Roche to Peter J. Rappoccio. This letter is attached hereto.
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Additionally,

If you have any questions regarding this matter, please feel free to call.

Respectfully,

Stamski and McNary, Inc.



Paul Kirchner, E.I.T.



George Dimakarakos, P.E.