

# *Peak Engineers, LLC*

PROVIDING CIVIL ENGINEERING SERVICES

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October 5, 2021

Michael Conklin, Director of Environmental Affairs  
Town of Wilton.  
Town Hall Annex  
238 Danbury Road  
Wilton, Ct 06897

Dear Michael:

Peak Engineers, LLC has prepared this letter as supplemental information to a wetland application prepared by Environmental Land Solutions. The application is for the construction of a residential pool. The purpose of this letter is to respond to comment number 3 of the Casey Cordes, SNEW, letter to the Inland Wetlands Commission dated September 23, 2021.

Comment No 3.      *Due to the proximity of the equipment pad to the wetlands, the project could benefit from the addition and use of a dry well or other infiltration device for receiving treated pool waters (backwash, drainoffs, etc).*

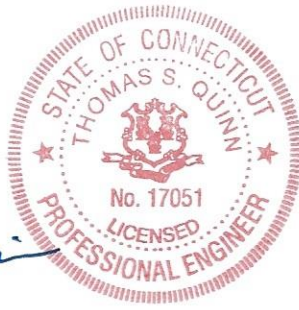
Peak Engineers, LLC has performed calculations to size an infiltration system to be utilized for the seasonal drawdown of the proposed pool. The proposed pool is 36' x 18'. The expected drawdown depth is 12" below the functioning water level. Therefore the expected drawdown volume is 648 cubic feet. The proposed infiltration system consists of 28 (twenty-eight) lineal feet of 4x4 concrete gallery surrounded in stone. The proposed system provides a 24 hour volume of 675 cubic feet. The system includes a 4" pvc filler pipe with a cap at grade. Please see the attached plan and details.

The infiltration system will be placed uphill of the proposed masonry retaining wall. The wall will be designed and constructed impervious with the capacity to retain the force of the water against the wall.

It is the opinion of Peak Engineers, LLC that the proposed infiltration system will effectively capture and promote the infiltration of the expected pool water drawdown.

Yours,

Peak Engineers, LLC



Thomas S. Quinn, P.E. for Peak Engineers, LLC