

TOWN OF MILTON

DEPARTMENT OF PUBLIC WORKS
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September 2, 2015

**RE: Thayer Nursery
Grading/Drainage Plan Review**

To the Planning Board:

The Engineering Department has reviewed the proposed grading and drainage plan, revised 08/31/15. While the municipal storm drain in Hillside Street is already undersized and at times operating at capacity, the proposed conditions on the Thayer Nursery property will provide a net improvement. It will do so by both attenuating peak flows off the site (which are already over-topping the stone wall and reaching the municipal drain) for the 2-year, 10-year, 25-year and 100-year design rain events, and also by cleaning the site runoff of suspended materials prior to its reaching the municipal drain. The proposed design is achieving these goals through grading, detention, and releasing stormwater offsite through an outlet control structure, as opposed to infiltration. The soils at the site are not at all conducive to infiltrating stormwater. At a recent meeting, the applicant's engineer agreed to install a small stone berm around the open detention area to provide an additional layer of pre-treatment, which could be easily maintained.

The applicant should submit a comprehensive operations and maintenance plan which includes inspection and cleaning (as necessary) of the stone berm after every rain event, and at least an annual inspection and cleaning of the detention area and swale. The applicant should also be required to submit an annual report to the designated town department to document all annual maintenance efforts.

Please feel free to contact me if you have any questions or require further information.

Sincerely,



John P. Thompson, P.E.
Town Engineer

cc: Joseph Lynch, Director of Public Works
William Clark, Town Planner