

HANCOCK

ASSOCIATES

18939

21 April 2016

Boxford Conservation Commission
7A Spofford Road
Boxford, MA 01921

Dear Members of the Boxford Conservation Commission,

This letter is in response to the April 21st 2016 site visit at 255 Main Street, Boxford MA. Mr. Ross Povenmire was present, as the site visit was for the purpose of the enforcement order filed by the Boxford Conservation Commission on April 7th 2016.

As a response to the siltation runoff, causing for the enforcement order, Mr. Bocelli has taken many efforts to better the erosion control of the site, including;

- Cleaning of the siltation basins of trapped silt
- Obtained building permit for the block walls
- Spread erosion fabric (jute mats) over the graded and raked areas above and below the completed or partially completed retaining walls
- Hydroseeded over the jute mats.
- Brought additional crushed stone and spread it at the bottom of the driveway.

As referenced in the book, *Geosynthetics in Filtration, Drainage, and Erosion Control*, jute mats are a proven form of erosion control, often praised for its ability to allow for seeding over the mats, which further aids in the stabilization of hillsides for the control of sediment runoff (2013).

The jute mats are currently in place and the mats were, today (21 April 2016) in the process of being hydroseeded with a wildflower mix which will aid in erosion control. The root structures of the plants will further hold the soils in place. The attached photograph, taken today, shows the jute mats being hydroseeded. The aqua-marine colored areas are the seeded jute mats. The company, Mass Hydroseeding is professionally applying the seed.

The active enforcement order calls for the cease and desist of any further work on the site. This does not allow for the completion of the excavation of the detention basins which are currently in mid-process of being dug.

Completion of the proposed grading along the driveway slopes and the

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completion of the retention walls will allow for the current, loose soils to be covered and stabilized. Allowing for the finishing of these slopes, will protect the soils from sedimentation runoff, but these actions are not permissible under the enforcement order.

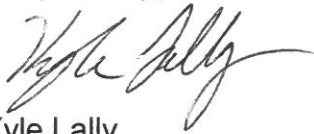
While the completion of the slopes, retaining walls, and detention basins will protect the protected resource area from sedimentation runoff, the gravel driveway is currently inundated with sedimentation from the prior rain event. The removal of the gravel and its replacement will stop the, in-place, sediment from running closer to the resource area.

As any significant rain event will likely cause for further sediment runoff, if action is not taken immediately, it is proposed that the Conservation Commission allows for specified erosion control efforts. The proposed efforts include, the completion of the excavation of detention basins, the completion of the grading of the slopes and retention walls along the driveway, and the removal and replacement of the gravel currently on the driveway.

Pursuant to the enforcement order, a notice of intent (WPA-3) will be filed for any remaining work which will has been a contributor to runoff which has affected the wetland resource area.

Thank you for your consideration of this matter.

Respectfully,

A handwritten signature in black ink, appearing to read 'Kyle Lally', written in a cursive style.

Kyle Lally
Staff Wetland Scientist
Hancock Associates - Danvers

Referenced:

Koerner, R. M. **2013**. *Geosynthetics in filtration, drainage, and erosion control*. Elsevier Science.