

FIELD REPORT

Nitsch Project #:	12808	Date:	12/12/2019
Client:	Pine Hill Village, LLC	Time:	9:00 AM
Project:	Pine Hill Development	Location:	Harvard, Massachusetts
Weather:	Clear, 25°F		
Present:	Gavin Graham, Nitsch Engineering Liz Allard, Conservation Agent – Town of Harvard Don Ritchie, Conservation Board – Town of Harvard		

The purpose of this site visit was to observe general site conditions, observe general construction activities, and erosion and sedimentation control measures. This site visit satisfies the weekly site visit requirement by Nitsch Engineering. Previously, Town of Harvard Conservation Agent Liz Allard had noted that there appeared to be excess sediment in the intermittent stream. The following was noted:

1. Site visit confirmed the presence of excess sediment in the intermittent stream. The stream has steel plates covering it such that construction vehicles can pass over the stream without getting stuck. During the tree removal process, cut down trees were laid down and stored over these steel plates. This is thought to be the source of majority of the sediment in the water; as it rains the water carries the sediment from the trees, over the steel plates and into the stream near the erosion control barrier.
2. Liz and Don with the Town of Harvard both recommended an additional hay wattle on the downstream side within the stream be installed immediately to capture silt. This needs to be done today (12/12/2019) in order to protect the stream from impending rain in the weather forecast.
3. Dave from Potvin Excavation was on site working on clearing debris at the time of observation. Liz instructed them to install the hay wattle today, to which Dave agreed. It is also worth mentioning that Dave was unaware he was not supposed to remove tree stumps outside of areas that are being actively worked on.
4. Liz Allard sent an email to Peter Cricones was sent out shortly after the site visit instructing the following:
 - a. Hay wattle needs to be installed today, 12/12/2019
 - b. Dave was instructed to clear tree stumps from the road area only because this is the first part of the site that will be worked on. Liz has asked Peter to provide contractors and Nitsch Engineering with construction sequence such that permitted construction activities are clear.

Past Recommended Items to be Completed:

1. n/a

New Recommended Items to be Completed:

1. **Requires immediate attention:** Contractor to install additional hay wattle on downstream section of intermittent stream.
2. Developer must provide all parties with weekly updates including construction sequences and a detailed schedule, per conversation with the Town of Harvard. This includes contractors who are working on the site, the Town of Harvard, and representatives of Nitsch Engineering.
3. Do not store construction debris or construction equipment on or near the steel plates covering the intermittent stream.

Ongoing Recommendations:

1. Contractor to maintain stabilized construction entrance
2. Contractor to maintain erosion control barriers



Figure 1 – Site debris being cleared



Figure 2 – Trees are stacked for removal; some trees lay over the steel barrier covering the stream.



Figure 3 – cleared trees leave behind a tremendous amount of sediment that is susceptible to being washed into the stream.

If you have any questions, please contact:

Gavin Graham

Gavin Graham
Project Designer

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