


MEMORANDUM

TO: Ms. Sarah Porter, City of New Bedford Conservation Agent
FROM: Scott Turner, PE, Nitsch Engineering 
DATE: May 17, 2019
RE: 100 Duchaine Boulevard, MIH1, LLC, DEP# SE49-0738, Sediment forebay

This memorandum is regarding the request for a Certificate of Compliance submitted by Farland Corp. on behalf of MIH1, LLC. The request for a Certificate of Compliance is regarding the construction of a sediment forebay that collects stormwater generated by a construction stockpile area. The forebay is intended to prevent sediment from discharging into adjacent wetlands.

To support this request, the following items were submitted:

- 1.) Cover letter prepared by Farland Corp. requesting the Certificate of Compliance dated April 8, 2019;
- 2.) WPA Form 8A – Request for a Certificate of Compliance;
- 3.) Calculation Fee Worksheet;
- 4.) Cover letter prepared by Farland Corp. documenting stormwater volumes; and
- 5.) Plan entitled "Site As-Built Plan, 100 Duchaine Boulevard, Assessors Map 134, Lot 5," prepared by Farland Corp., dated May 2, 2019.

With regards to this request, we have the following comments:

- 1.) Nitsch Engineering visited the site on May 10, 2019.
- 2.) The sediment forebay appears to be constructed consistent with the approved plans. We cannot verify the stormwater volumes described in the May 2, 2019 letter. However, the letter describes volumes significantly in excess of the approved volumes.
- 3.) There are haybales and other construction materials that are providing a sediment barrier on the upstream side of the forebay. We agree with generally maintaining these barriers to reduce the amount of sediment that enters the forebay.



- 4.) There is evidence of significant amounts of silt being deposited in the forebay. The forebay is designed to collect sediment that would have otherwise discharged into the adjacent wetlands and is therefore working as intended. We recommend that the sediment be removed regularly to maintain the forebays volume and also allow infiltration to the maximum extent practicable.



- 5.) There was evidence of construction vehicles moving within the forebay. This may have been necessary to install the rip-rap overflow. We recommend that the construction vehicle movement in the forebay be limited to prevent compaction of the forebay and allow as much infiltration as possible.



- 6.) Areas of the forebay require reseeding. (See above)
7.) We have no issues with the forebay as constructed. We recommend that regular maintenance be performed as described above.

Please call if you have any questions.