Nitsch Engineering
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2 Center Plaza, Suite 430
Boston, MA 02108-1928
T: 617-338-0063
F: 617-338-6472
www.nitscheng.com

MEMORANDUM

TO: Sarah Porter, New Bedford Conservation Commission

FROM: Scott Turner, PE, Nitsch Engineering

DATE: October 9, 2014

RE: Logal Project Site Observation Nitsch Project #9972

Below is a summary of the site observation conducted by Nitsch Engineering at the Logal Property located at 100 Duchaine Boulevard in New Bedford, Massachusetts on Thursday, October 9, 2014 at 8:30 AM. The following items were observed during the site visit:

1. The underground infiltration field has been completely backfilled.
2. Wet Basin 1 has been excavated and grading appears to be complete. During this site visit, Rich Riccio from Field Engineering indicated that the outlet pipe elevation in the outlet control structure had not been verified. I recommend this elevation be verified soon. In the event that it needs to be reset, work associated with it could cause significant disruption to the area near the pipe.
3. The stone filter located upstream of the sediment forebay was observed to have considerable sediment. I recommend that the stone filter be cleaned or replaced and protected prior to the site being stabilized.
4. Excavation of Wet Basin 2 is essentially complete. The rip rap pads at the discharge points into the sediment forebay need to be improved with larger stone and the pads need to be increased in size in order to be compliant with the approved plans.
5. The swale south of the site has been improved with some rip rap. The size of the stone in the rip-rap pads needs to be improved to be consistent with stone for pipe ends as specified in the detail. The detail shows a minimum stone size of 12 inches. Most of the stones installed were less than 12" in size.
6. Erosion control measures throughout the site need to be improved. There was considerable erosion on the adjacent roads and driveways from truck traffic. Stockpiles of excavated material were located adjacent to the surrounding driveways. We recommended that the stockpiles be moved away from the surrounding roads and that erosion control be placed around the stockpiles.
7. Detention Basin 1 had been excavated. The bottom of the excavation consisted of sand and gravel material. There were a significant amount of stones and cobbles greater than six inches and size which I recommended be culled out prior to the final grading and installation of loam.
8. Stabilizing the site may be an issue for this project given the time of year. There is a small and shortening window for stabilizing the site with grass. There is considerable earthwork that needs to be completed. In the event that the site is not able to be stabilized with vegetation, the owner and contractor may need to stabilize the site with stone, mulch, or hay through the winter.

Please call if you have any questions.

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COMMONWEALTH OF MASSACHUSETTS
SCOTT D. TURNER
CIVIL
No. 41775
REGISTERED PROFESSIONAL ENGINEER

10-9-14