

## MEMORANDUM

**TO:** Sarah Porter, New Bedford Conservation Commission  
**FROM:** Scott Turner, PE, Nitsch Engineering  
**DATE:** September 26, 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 Friday, September 26, 2014 at 8:30 AM. The following items were observed during the site visit:

1. The underground infiltration field has been installed and backfilled with double washed  $\frac{3}{4}$ " stone.
2. Wet Basin 1 has been excavated. During excavation, a concrete encased electrical duct bank was encountered. The presence of the duct bank has slight impacts on the volume of the basin. In our opinion, this impact is negligible.
3. Soil mottles were observed in the bottom and side slopes of the wet basin, indicating that seasonal high groundwater will rise into the bottom of the basin and promote the growth and establishment of wetlands vegetation in the basin. This growth will improve water quality treatment.
4. The outlet control structure was installed. The outlet pipe from the structure appeared to be installed too high. Rich Richio from Field Engineering was going to verify the elevation of the outlet pipe to insure that it was not installed too high. He will convey the results of his investigation to Sarah Porter and Nitsch Engineering.
5. Excavation of Wet Basin 2 has begun and was ongoing. Similar to Wet Basin 1, soil mottles were observed in the bottom and side slopes of the basin. The sediment forebay was still being excavated.
6. Erosion control measures in the vicinity of wet basin 2 needed to be improved. Field Engineering assured us this would be taken care of today.
7. The overflow pipe from the site to the existing swale south of the site had been installed. Rip rap had not yet been installed at the discharge points. There was some scouring and erosion at the discharge from the pipes due to the recent rain. Field Engineering assured us this would be repaired and resolved by installing stone and rip-rap.

Please call if you have any questions.

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*Scott D. Turner*  
9/26/14