

## MEMORANDUM

**TO:** Sarah Porter, New Bedford Conservation Commission  
**FROM:** Scott Turner, PE, Nitsch Engineering *ST*  
**DATE:** January 16, 2015  
**RE:** Cardinal Place Site Observation                      Nitsch Project #9972

Below is a summary of the site observation conducted by Nitsch Engineering at the Cardinal Place project located off Swallow Street in New Bedford, Massachusetts on Tuesday, January 13, 2015 at 8:30 AM. The following items were observed during the site visit:

1. The site has been cleared. Installation of drainage structures was ongoing.
2. Stormceptor 3 near the entrance to the property had been installed. Due to a low pipe cover condition presented in the design, an approximately 6" high by 3' long slot had been installed in the side of the Stormceptor to accept drain pipes from Gutter Inlets 1 and 2. This modification was made as advised by the product representative.
3. Catch basins 3 and 4 had been installed. Stormceptor 2 had been installed. The product representative advised the contractor to move the Stormceptor to the north and out of the sidewalk to accommodate the piping from the catch basins. This is acceptable from a drainage perspective. It is unclear whether the new location will conflict with the proposed curbing. If so, the contractor will need to adjust the installation.
4. The hole for the leaching pits had been excavated. The bottom of the hole contained coarse sand and gravels that are ideal for infiltration. The contractor was advised to install the leaching pits that day to prevent the ground from freezing. He expected to receive double washed stone later in the morning. He agreed that he would install the stone and the leaching pits that day. I did not stay at the site to observe the receipt of the double washed stone but emphasized the importance of the stone being double washed. The contractor understood.
5. Catch basins 1 and 2 and Stormceptor 1 were installed.
6. No drain piping had been installed on the project.
7. Catch basin and drain manhole openings were blocked by plywood to prevent sand, gravel, and debris from entering the structures. The contractor was advised to monitor this condition and work to eliminate sand and gravel from entering any of the drainage structures. He was also advised that the entire drainage system would need to be cleaned following installation.
8. The contractor was advised not to install any structures or piping on freezing ground.
9. The infiltration basin on lot 3 and 4 had not been excavated.
10. Erosion controls had been installed on the site. Erosion controls include a silt sack in the catch basin on Swallow Street, a construction entrance, and silt fence and haybales. The erosion controls appear to be in good shape. The ground was frozen so there was little erosion. Swallow Street appeared clean. The construction entrance will require more stone shortly and the contractor had stone on site to use.

Please call if you have any questions.

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