

## MEMORANDUM

**TO:** Sarah Porter, New Bedford Conservation Commission  
**FROM:** Scott Turner, PE, Nitsch Engineering *ST*  
**DATE:** July 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, July 14, 2015 at 9:30 PM. The following items were observed during the site visit:

1. The infiltration basin has been regraded and the emergency overflow has been relocated consistent with discussions held during the previous site observation.
2. The discharge pipe into the sediment forebay for the infiltration basin requires additional rip-rap;
3. The shoulders to the road appeared very stable. Significant grass had grown to help stabilize the site.
4. All catch basins had been lowered to be flush with the binder pavement.
5. The conveyance swale located near the project entrance had been regraded and seeded consistent with our discussions during the previous site observation.
6. The catch basin proposed near the telephone pole has been installed.
7. There was not any erosion and sedimentation control around the catch basins. However, the site did appear to be adequately stabilized. There was some minor evidence of sand in the sediment forebay.

In addition to the site observation, Nitsch Engineering also reviewed the as-built plan and drainage calculations submitted by Prime Engineering. The as-built plan was entitled 'Drainage/Utility As-Built Plan, Ava's Way in New Bedford, MA,' prepared by Romanelli Associates, Inc., and dated July 7, 2015.

In general, the information shown on the plan generally conforms to the approved plans. The as-built plan does not include all information. For instance, structure rim elevations are not included on the plans. The storage volumes shown in the as-built drainage calculations are very close to the approved plans and the calculations demonstrate the infiltration facilities functioning as intended.

Please call if you have any questions.

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