

May 24, 2016

Mr. John Radcliffe
Chairman
New Bedford Conservation Commission
New Bedford City Hall
133 William Street
New Bedford, MA 02744

RE: Nitsch Project #9972
1861 Shawmut Avenue
Review Letter
New Bedford, MA

Dear Mr. Radcliffe:

This letter is in regards to the proposed A-1 Asphalt project located at 1861 Shawmut Avenue in New Bedford, Massachusetts. Nitsch Engineering has received and reviewed the following revised documents for compliance with the Massachusetts Department of Environmental Protection (MassDEP) Stormwater Management Standards:

- Site Plans entitled "Plan of Site Improvements, prepared for Anthony R. DeCosta, dba A-1 Asphalt Co., 1861 Shawmut Ave," prepared by Charon Associates, Inc., revised through May 16, 2016; and
- Revised hydrologic drainage calculations prepared by Charon Associates, Inc., dated May 17, 2016.

From the e-mails received with these documents on May 16 and 17, 2016 from Rick Charon, Charon Associates, Inc., we understand that the following changes were made:

- The basin side slopes were revised to be 3:1;
- The Massachusetts Department of Transportation (MassDOT) specification M2.02.4 was added to the mud trap detail;
- A seed mix specification was added to the notes on the plans; and
- The stormwater management system calculations were revised and now demonstrate that there is no stormwater run-off flowing to the east and west design points.

Additionally, the e-mail notes that the illicit discharge statement was submitted to the Conservation Commission office. A copy was not provided in the materials that we received, so we cannot comment.

With regards to the submitted information, we have the following comments:

1. The Applicant revised the HydroCAD model to include the two proposed ponds, as requested. For the southern pond, Basin P-2, the model indicates that the entire southern portion of the site including Catchments 1-W, 2-W, and 3-W all drain towards the pond. Depending on the stockpile locations and grading, it is difficult to determine if all of this area will drain towards Basin P-2. Particularly in the western portion of the site, it appears that some of the area may drain directly to the west property boundary. We would recommend that the Applicant provide a drainage map that shows the proposed work with the watershed boundaries and time of concentration paths, so that the assumptions in the HydroCAD model can be confirmed.
2. We recommend that the Conservation Commission require the Applicant to regularly submit Operations and Maintenance Reports to confirm that maintenance activities are occurring. As part of this, the Applicant should monitor this basin to ensure that it dewateres as designed. In the event that it does not, additional alterations to the basin may be necessary.

Mr. John Radcliffe: Nitsch Project #9972
May 24, 2016
Page 2 of 2

We appreciate the opportunity to review this project for the Conservation Commission. Please contact us with any questions.

Very truly yours,

Nitsch Engineering, Inc.



Jennifer L. Johnson, PE, CPSWQ, LEED AP BD+C
Senior Project Engineer

Approved by:



Scott D. Turner, PE, AICP, LEED AP ND
Director of Planning

JLJ/aab