



April 26, 2016

Sarah Porter, Agent  
Conservation Commission  
City Hall  
133 William St.  
New Bedford, MA 02740

Dear Ms. Porter:

RE: Anthony R. DeCosta dba A-1 Asphalt Co., Inc.; 1861 Shawmut Ave.  
DEP File No. SE 049-0735

We have reviewed the comments prepared by the Commission's engineering consultant, Nitsch Engineering, dated April 1, 2016 and we submit the following responses to those comments along with the revised site plans dated April 26, 2016:

1. A grass channel has been provided on the low side of the new paved entrance to conduct runoff to a revised basin P-1 with the sediment forebay located within the fence to permit easier maintenance.
2. Driveway grading has been revised to ensure that runoff flows to the grass channel.
3. The combined grass channel + sediment forebay provides the required 44% TSS removal.
4. The sediment forebay size for basin P-1 has a volume of 74 cu.ft.; minimum volume for proposed driveway =  $0.1' \times 12 \times 1900 \text{ SF} = 16 \text{ cu.ft.}$
5. The stone sediment trap has been increased to 50-ft. length and a construction detail added to the plans.
6. The proposed plan includes re-grading of all stockpiles to a 4 in 10 slope beyond the 50-ft. wetland setback, with a continuous stone checkdam installed parallel to the toe of slope at elevation 82', with a grass strip extending from the check dam to the drainage swale.
7. Grading in the vicinity of the new earthen berm is revised to eliminate the potential ponding area.
8. The existing basin P-2 will be extended to a length of 145 ft.; the existing bottom will be cleared of sediment and clean sand will be installed to raise the grade approximately 18 inches; side slopes will be redressed; and two new sediment forebays will be installed at the ends of the new drainage swales. An outlet control structure will be installed for large storm overflow.

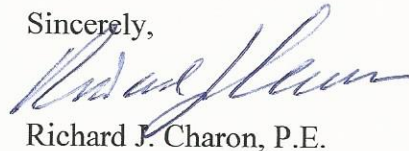
9. Grading for the drainage swales has been clarified by addition of spot elevations of channel inverts at intervals of about 100 feet.
10. The proposed design leaves the existing treeline relatively un-touched, with only minimal re-grading within existing wooded areas.
11. The O&M Plan has not been completed and will be forwarded as soon as available.
12. The Stormwater Management Checklist and Long Term Pollution Plan will also be forwarded as soon as available. An Illicit Discharge Compliance Statement will be submitted by the Applicant.

The attached drainage calculations have been expanded to include the stormwater modelling for the rear portion of the lot to determine the expected runoff quantities entering basin P-2. Calculations are provided for 2-year thru 100-year events for the established and proposed conditions as compared to a pre-development condition of wooded upland similar to the adjacent parcels on the west side of the site.

Since the engineering consultant will need adequate time to review the above revisions to the plans and to the drainage calculations, we have chosen to submit all of the available information at this time rather than delay submittal until items 11 and 12 are completed.

If you or the consultant have any questions regarding the enclosed submittals, please feel free to contact me at your convenience.

Sincerely,



Richard J. Charon, P.E.

Cc: A. DeCosta  
T. Crotty, Esq.

Encl.: Drainage Reports dated 4/26/16  
Plans L-1 & L-2 dated 4/26/16