

April 4, 2016

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

RE: **Response to Review Comments Dated 3/31/16**
Northcoast Seafood addition
43 Blackmer Street
New Bedford, MA 02745

Dear Chairman Radcliffe:

The purpose of this correspondence is to respond to the review comments submitted for the project at 43 Blackmer Street by Mr. Scott Turner, P.E. from Nitsch Engineering, Inc. dated 3/31/16.

The following response and brief description of each major comment is offered for your review and consideration:

Comments by Nitsch Engineering, Submitted to New Bedford Conservation Commission, dated 3/31/16

General

1. *Erosion and Sedimentation controls are shown on the landscape plan. Consistent with our previous comment, we recommend that construction entrance details be included on the plans.*

A detail for the construction entrances has been added to the landscape plan.

2. *The submitted Illicit Discharge statement should be signed.*

The illicit discharge statement has been signed.

3. *Evidence of soil testing was not provided. The applicant indicates that borings were performed in 2003 and has based the design of the underground infiltration system on that data. Consistent with other projects that are presented to the Commission, we recommend a test hole by a licensed soil evaluator in the vicinity of the underground infiltration system. Seasonal high groundwater should be based on soil mottles. This will confirm the infiltrative capacity of the soil and confirm the design of the underground infiltration system. Per the Stormwater Management Guidelines, there should be two feet of separation between seasonal high groundwater and the bottom of the infiltration system. If necessary, the calculations should be revised if the soil testing requires changes to the underground infiltration system design.*

A test pit was performed in the area of the infiltration field. No mottles or visible water was found to a depth of 5.8', therefore the assumed groundwater elevation was not changed. A fine to medium sand was found below the topsoil, therefore the infiltration rate of 2.41 In./Hr. was not changed. The initial assumption with groundwater/high tide influence of elevation 2.0 was maintained for the design.

4. *Stormceptor sizing calculations should be submitted using a stormceptors sizing tool of DEP guidance. In our opinion, TSS removal rates determined in n2003 may be out of date.*

Stormceptor sizing tool was used and the results have been provided. The modeling results suggest a using a STC 900, we will remain with the original specification of a STC 1200. This is a larger unit with more capacity and will treat the entire pavement area contributing to this unit not just the new pavement

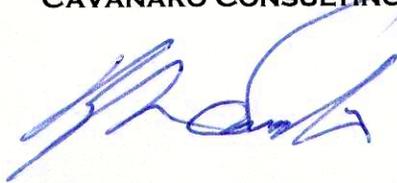
5. *Total suspended Solids Calculations should be unpadded if necessary pending the sizing of the Stormceptor described above.*

A revised TSS sheet has been provided.

We appreciate Mr. Turner's thoughtful review and look forward to presenting this project to you and the Board at our scheduled hearing on 4/5/16.

Sincerely,

CAVANARO CONSULTING, INC.



Brendan Sullivan, P.E., P.L.S.
Project Manager

Enclosure

Cc: B. Jones
S. Turner
File 15109