Nitsch Engineering

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October 16, 2017

Mr. Craig Dixon
Chairman
New Bedford Conservation Commission
New Bedford City Hall
133 William Street
New Bedford, MA 02744

RE: Nitsch Project #9972
100 Duchaine Boulevard
New Bedford, MA

Dear Mr. Dixon:

This letter is in regard to the proposed project located at 100 Duchaine Boulevard in New Bedford, Massachusetts. Nitsch Engineering has reviewed the following revised documents for compliance with the Massachusetts Department of Environmental Protection (MassDEP) Stormwater Management Standards:

- Response to Nitsch Engineering comments dated September 27, 2017;
- Proposed Hydrologic Drainage Calculations, no date; and
- Plans entitled, "Site Plan, Duchaine Boulevard, Assessor's Map #134 Lot #5, New Bedford, Massachusetts," (sheets 5 and 7 only) prepared by Farland Corp., revised through September 18, 2017.

This project includes the construction of a 28,000-square-foot warehouse and distribution building on a currently developed lot, including 16 loading docks, 40 additional trailer parking spaces, and 27 new employee parking spaces. The property is currently developed as a parking lot with the remains of a concrete foundation.

Below are our comments on the proposed project regarding stormwater management only:

1. The configuration of the proposed CDS unit and discharge point were revised. The CDS unit was relocated outside of the 25-foot no disturb buffer, and a flared end structure and rip-rap pad were relocated. The flared end structure and rip-rap pad are located along the wetlands line within the 25-foot no disturb buffer. This represents an improvement over the existing condition, as well as the previously proposed design. However, the discharge point is still within the 25-foot no disturb buffer.
2. Piping calculations were included as part of the HydroCAD calculations. The piping calculations show free flow in the piping leading to the CDS unit. However, the pipe inverts in the model vary from the pipe inverts shown on the plans. The pipe inverts on the plans and the drainage calculations should be consistent. The plans show the invert out of the CDS Unit as 75.15 and the calculations show the invert out of the CDS unit as 75.00. The invert at the flared end structure is listed as 75.00. The pipe slopes in the calculations should also be consistent.

If you have any questions, please call us at 617-338-0063.

Very truly yours,

Nitsch Engineering, Inc.

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

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