

October 2, 2015

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

RE: Nitsch Project #9972  
McDonald's  
1080 King's Highway  
New Bedford, MA

Dear Mr. Radcliffe:

This letter is in regard to the proposed McDonald's reconstruction project located at 1080 King's Highway in New Bedford, Massachusetts. Nitsch Engineering has reviewed the following revised items submitted as part of the proposed project:

- Response to comments letter prepared by Bohler Engineering dated September 28, 2015.
- Hydraulic drainage calculations.
- Revised plan sheet C-13 entitled, "Site Development Plans for proposed McDonald's, 1080 Kings Highway, City of New Bedford, Bristol County, Massachusetts," prepared by Bohler Engineering, dated August 12, 2015.
- Documentation regarding the status of the wetland.

Nitsch Engineering has reviewed the recently submitted information. We have the following remaining comments:

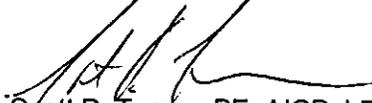
1. The project does not include any dedicated groundwater recharge facilities such as underground infiltration facilities or infiltration basins. Therefore the project does not meet the groundwater recharge requirements of the standards. The applicant has responded that groundwater is located within 36 inches of existing grade and therefore groundwater recharge is not feasible. We have not seen any copies of test logs showing seasonal high groundwater elevations so we cannot confirm or deny this evaluation. We do agree with the applicant that there will be an increase in groundwater recharge on the site due to the decrease in impervious surface. Since this is a redevelopment project and it needs to meet the Stormwater Management Guidelines to the maximum extent practicable, a dedicated groundwater recharge facility is only required if practicable. We always encourage projects to include the maximum amount of groundwater recharge.
2. A Stormwater Pollution Prevention Plan (SWPPP) will need to be prepared and the project need to be registered with the United States Environmental Protection Agency under the National Pollutant Discharge Elimination System (NPDES) program prior to the beginning of construction. The applicant has committed to preparing a SWPPP prior to construction.
3. Pipe sizing calculations were provided for review for the closed drainage system. The calculations show two (2) pipe segments surcharging during the 10-year storm, DMH-C to SWQU and SWQU to DMH-D. These pipes should be sized to convey the 10-year storm without surcharging. Also, the roof drain pipe is sized at exactly capacity.

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

Very truly yours,

**Nitsch Engineering, Inc.**

A handwritten signature in black ink, appearing to read 'S. Turner', written over a horizontal line.

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

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