

September 25, 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:

- Plans 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;
- Notice of Intent application for Proposed McDonald's Raze & Rebuild, Kings Plaza, Lot 29, Map 125, 1080 Kings Highway, New Bedford, Massachusetts, prepared by Bohler Engineering, dated August 26, 2015; and
- Report entitled, "Drainage Report for Proposed Restaurant, 1080 King's Highway, Map 125, Lot 29, City of New Bedford, Bristol County, Massachusetts," prepared by Bohler Engineering revised through September 15, 2015.

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

1. The project includes the demolition of an existing restaurant building, construction of a new restaurant building in generally the same location, and reconstruction of the existing parking lot including the installation of a new closed drainage system.
2. The existing site was constructed prior to promulgation of the Stormwater Management Guidelines. Therefore, there are no stormwater best management practices installed on the site. There is virtually no water quality treatment provided on the current site.
3. The existing operation experiences significant traffic and can be therefore considered a Land Use with Higher Potential Pollutant Loads.
4. The project is a redevelopment project and includes the reduction of overall impervious surface. Therefore, the project needs to meet the Stormwater Management Guidelines to the maximum extent practicable.
5. The project includes catch basins with deep sumps and a stormceptor water quality unit which provide approximately 80% removal of Total Suspended Solids.
6. 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.
7. Work is proposed in the 25-foot buffer zone to wetlands. This work includes the reduction of impervious surface within the buffer zone.
8. A drain manhole detail was not provided on the plans. We recommend a drain manhole detail be provided.
9. A Stormwater Pollution Prevention Plan (SWPPP) will need to be prepared and the project registered with the United States Environmental Protection Agency under the National Pollutant Discharge Elimination System (NPDES) program prior to the beginning of construction.
10. The existing conditions plans show the shopping centers stormwater management system discharging to a stream. It is unclear whether the stream is a perennial stream or an intermittent stream. If the

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project is a perennial stream, the project should meet the appropriate requirements under the Massachusetts Wetlands Protection Act.

11. Pipe sizing calculations were not provided for review for the closed drainage system.

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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