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ENGINEERING

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September 28, 2015

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

Re: McDonald's
        1080 King's Highway
        New Bedford, MA

Dear Mr. Radcliffe:

Below please find our responses to a letter from Nitsch Engineering, dated September 25, 2015. For clarity, the comments are in italics and our responses are directly below in normal font.

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.*

    Agreed. Response not needed.

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.*

    Agreed. Response not needed.

3. *The existing operation experiences significant traffic and can be therefore considered a Land Use with Higher Potential Pollutant Loads.*

    Agreed. Response not needed.

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.*

    Agreed. Response not needed.

5. *The project includes catch basins with deep sumps and a stormceptor water quality unit which provide approximately 80% removal of Total Suspended Solids.*

   Agreed. Response not needed.

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.*

   Based on a test pit conducted on 9/8/15 it was estimated that the water table is roughly 36" below grade, restricting the projects ability to provide a groundwater recharge facility. However, the project significantly reduces impervious surface by roughly 4,600 SF, which will increase natural infiltration of stormwater on site.

7. *Work is proposed in the 25-foot buffer zone to wetlands. This work includes the reduction of impervious surface within the buffer zone.*

   Agreed. Response not needed.

8. *A drain manhole detail was not provided on the plans. We recommend a drain manhole detail be provided.*

   Agreed. A drain manhole detail has been added to detail sheet C-13.

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.*

   Agreed. A SWPPP plan will be prepared 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 project is a perennial stream, the project should meet the appropriate requirements under the Massachusetts Wetlands Protection Act.*

    The referenced stream is actually an emergent Bordering Vegetated Wetland as described and approved in ANRAD application SE49-664. Please find the enclosed Wetland maps & table from said ANRAD filing.

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

    Please find enclosed drainage system calculations for review.

We trust the above is sufficient for your needs at this time. Should you have any questions or need any additional information, please do not hesitate to contact either of us at (508) 480-9900.

Sincerely,

BOHLER ENGINEERING

Eric G. Dubrule

John A. Kucich, P.E.

CC: Sarah Porter, New Bedford Conservation Agent
       Scott Turner, Nitsch Engineering
       Adam Guilmette, McDonald's

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