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352 Turnpike Road
Southborough, MA 01772
PHONE 508.480.9900
FAX 508.480.9080

October 5, 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 October 2, 2015. For clarity, the comments are in italics and our responses are directly below in normal font.

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" 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, a dedicated groundwater recharge facility is only required if practicable. We always encourage projects to include the maximum amount of groundwater recharge.*

   Please find enclosed a soil log from 9/8/15 indicating estimated seasonal high groundwater at 36" below grade to confirm groundwater recharge is not feasible.

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) prior to the beginning of construction. The applicant has committed to preparing a SWPPP prior to construction.*

   Agreed. Response not needed.

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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 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.*

   Please find the enclosed plan set, specifically Grading & Drainage Sheet C-6 which has been revised to increase the (2) pipe segments from a 12" pipe to 15" which will prevent the pipes from surcharging in a 10-year storm.

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
Adam Guilmette, McDonald's

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