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June 21, 2016

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

RE: Nitsch Project #9972
Order of Conditions
225 Hathaway Boulevard
New Bedford, MA

Dear Mr. Radcliffe:

This letter is in regards to the Nemasket Street Recreation Area project located at 225 Hathaway Boulevard in New Bedford, Massachusetts. Nitsch Engineering has reviewed the following materials for compliance with Massachusetts Stormwater Management Guidelines including:

- Plans entitled "Nemasket Street Recreation Area, 225 Hathaway Boulevard, New Bedford, Massachusetts," prepared by TRC, dated May 2016.
- "Notice of Intent, Nemasket Street Recreation Area Project, New Bedford, Massachusetts," prepared by TRC, dated May 2016.
- Report entitled "Stormwater Management Report, Nemasket Street Recreational Area, 225 Hathaway Boulevard, New Bedford, Massachusetts," prepared by TRC, dated May 2016.

With regards to the submitted materials, we have the following comments:

1. The project is a redevelopment project. Therefore, it is required to meet the Stormwater Management Guidelines to the maximum extent practicable.
2. The project includes the filling of approximately 2,519 square feet of isolated vegetated wetlands, the removal of existing pavement, and the construction of a synthetic turf soccer field and impervious basketball court.
3. The plans include the lowering of an existing manhole approximately 2 feet below the grade of the proposed soccer field. Therefore, access to the manhole will require excavation of the soccer field.
4. The proposed stormwater model does not include a summary of total flows offsite. Flows are summarized by two design points. Flows to design point SP-01, which are flows to the wetlands to the west of the Keith Middle Schools, show an increase for all storms. The Applicant has summarized flows from both design points by adding the peak flows from both design points together. Typically, flows from separate reaches are routed together in the model. When adding the flows from the two design points together, there is an overall decrease in flows offsite.
5. We disagree with the curve numbers used for some of the proposed ground cover. For instance, the brick pavers should include a curve number of 98. It is unclear how the curve number of 68 was developed for the synthetic turf field. The Applicant should provide back-up information to document this curve number.
6. The Applicant should provide additional information regarding the development of the infiltration rate north of the basketball court.

Mr. John G. Radcliffe: Nitsch Project #9972
June 21, 2016
Page 2 of 2

7. During the initial discussions related to this project with the Applicant's engineer, we discussed the use of infiltrative drainage onsite. Typically, infiltrative drainage is not included on sites that contain contaminated materials, which this site does. Therefore, we cannot comment on the whether the use of infiltrative drainage on this site is appropriate based on the types of contaminated materials found onsite. This was a significant part of the discussion held on April 25, 2016. The Applicant's notes from that discussion do not reflect these conversations. At the time, our understanding was that there would be a significant infiltrative drainage system proposed as part of the project. The proposed infiltrative drainage facilities are not as significant as originally thought.

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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