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MEMORANDUM

TO: Sarah Porter, City of New Bedford

FROM: Scott Turner *ST*

DATE: August 2, 2017

RE: 50 Duchaine Boulevard,

On July 31, I performed a site visit of 50 Duchaine Boulevard in the New Bedford Business Park. Below is a summary of my observations.

1. Detention Basin 1 has been shaped. The berm between the sediment forebay and basin has not yet been formed. Nitsch Engineering recommended that the larger stones that existed in the bottom of the basin be removed.
2. The Contractor described his desire to install a pea gravel diaphragm along the edges of the parking areas that flow to the sediment forebay for Detention Basin 1. This is a good idea. We recommended that they consider installing a flush curb along the edge of the pavement to prevent the pavement from deteriorating.
3. The Contractor mentioned that the owner would be installing a solar power canopy above the parking lot adjacent to Detention Basin 1.
4. The Contractor mentioned that there may be a conflict with utilities at the northeast corner of Detention Basin 2. The Contractor mentioned that they may want to reduce the size of the basin in this area to avoid the conflict. Nitsch Engineering mentioned that altering the size of the basin would be inconsistent with the conditions of the Order of Conditions and that the volume of the basin needs to be consistent with the approved plans.
5. There are existing cross culverts that discharge into a swale to the north of Detention Basin 1. The Contractor had excavated some existing rip-rap near the culvert discharge points. We recommended that new rip-rap be installed consistent with the approved rip-rap pad detail.
6. Detention Basin 3 and 4 have been shaped, loamed, and seeded. It appears that the majority of hydroseed did not take and the basins have been overgrown with weeds. We recommend that additional work be done on the basins in the fall to remove the weeds and provide additional hydroseed.
7. We recommend that the site be clean and that care is taken to reduce any sediment being tracked offsite. Regular street sweeping should occur to ensure that sediment is being tracked onto surrounding roads. Erosion controls should be replaced when necessary.

Please call if you have any questions.

SDT/aab

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