

MEMORANDUM

TO: Sarah Porter, City of New Bedford Conservation Agent
FROM: Jennifer Johnson, PE, CPSWQ, CFM, Nitsch Engineering
DATE: September 13, 2019
RE: 100 Duchaine Boulevard, Parallel Products, DEP# SE49-0771, Raingarden

This memorandum is regarding the request for a Certificate of Compliance submitted by Farland Corp. on behalf of Parallel Products. The request for a Certificate of Compliance is regarding the construction of the solar panels, raingarden, and access driveway that connects the parking lot with solar canopies with the site driveway that is located to the east of the recycling building.

Following our initial memorandum regarding the Certificate of Compliance, issued on July 16, 2019, we met on-site with you, Conservation Commissioner Dennis Audette, and Christan Farland of Farland Corp. to review the site conditions. This site visit occurred on August 30, 2019 from 9:40-10:00 AM.

The following summarizes the discussion during the site visit:

- 1.) As noted in our July 16th memorandum, the as-built plan indicates that the access driveway is super-elevated and the north side of the driveway is not treated by the constructed raingarden.
- 2.) The intent of the approved design was to have the raingarden provide treatment for the entire access driveway. Alternatives to convey runoff from the driveway to the raingarden, or provide equivalent treatment, were discussed:
 - a. The driveway could be reconstructed to provide super-elevation such that all runoff from the driveway is conveyed to the raingarden.
 - b. An inlet with a sump and hood could be constructed in the low point on the north side of the driveway and be conveyed across the driveway to the raingarden.
 - c. An inlet with a sump and hood could be constructed in the low point on the north side of the driveway and be conveyed to an infiltration trench on the south side of the driveway.
- 3.) C. Farland preferred Option C above and S. Porter noted that this would require an Amended Notice of Intent (NOI) to be submitted to the Conservation Commission. The Amended NOI should outline the proposed design and provide associated calculations that the peak rate mitigation and water quality improvements are consistent with the prior project approval.

Please call if you have any questions.

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