



June 19, 2019

Conservation Commission
New Bedford City Hall
133 Williams Street
New Bedford, MA 02740

**RE: Response Letter
Certificate of Compliance – Parallel Products (SE49-0771)
100 Duchaine Blvd. – New Bedford, Massachusetts**

Dear Members of the Commission:

We have enclosed a response letter and revised As-Built Plan in response to the comment letter prepared by Nitsch Engineering dated May 17, 2019 in regard to their site inspection that was performed at the property referenced above.

We trust the attachments noted above and included herewith will provide the necessary documentation to address their comments. If you should have any questions, please feel free to contact us.

Very Truly Yours,

FARLAND CORPORATION, INC.

Christian A. Farland

Christian A. Farland, P.E., LEED AP
Principal Engineer and President

Nitsch Engineering Comments

Comment #1:

The area beneath the solar panels contains a significant amount of stockpiled glass that is mixed with sediment. Some of the sediment has been tracked onto the pavement in the parking area located underneath the solar panels. This pavement drains towards the access driveway and rain garden. The pavement needs to be swept regularly to limit the amount of sediment that is transported down the driveway and towards the raingarden.

The stockpiled glass has been completely removed and the parking area has been swept of debris.



Comment #2:

The stone located at the inlet to the raingarden appears too small and was placed above the elevation of the inlet from the access driveway. It appears to be restricting water from flowing into the raingarden from the access driveway. We observed sediment along the edge of the access driveway where water appears to have settled.

The stone diaphragm has been removed and replaced with larger stone, and the elevation of the inlet itself has been lowered to allow for the proper flow of runoff into the rain garden.



Comment #3:

It is unclear whether the access driveway was graded properly. The as-built plan does not show grades along the driveway. Our recollection is the driveway was supposed to be super-elevated to direct water towards the raingarden. There is sediment located along the edge of the access driveway opposite the raingarden. If the driveway were super-elevated, sediment would not collect on the opposite side of the access driveway.

The inlet to the rain garden has been re-graded to allow for proper flow, and additional spot grades have been added to the as-built plan. (See Attached As-Built Plan)

Comment #4:

The rip-rap overflow appears to have been set too high. There are no elevations shown on the as-built plan regarding the grading of the raingarden or the overflow.

The rip-rap overflow was installed 6” too high and has been lowered to the design elevation. Additional spot grades have been added to the plan. (See Attached)

Comment #5:

There appears to be shallow "trenches" that were created on the south side of the rain garden. These "trenches" appear to be directing water from the raingardens to the wooded area located to the south of the raingarden. Since they appear lower than the rip-rap overflow, water that is collected in the basin never reaches the rip-rap elevations.

Following the re-grading of the overflow area, the “trenches” have been filled to the existing grades and overflow runoff will now be directed over the rip-rap pad as designed.

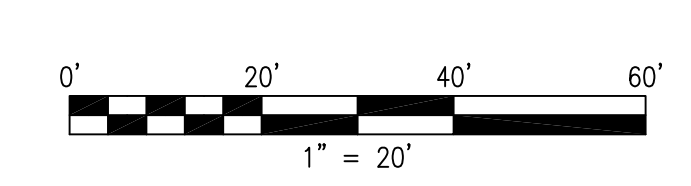
Comment #6:

The calculations submitted support the approved design. However, the as-built plan does not include elevations so we cannot compare the calculations with the as-built plan.

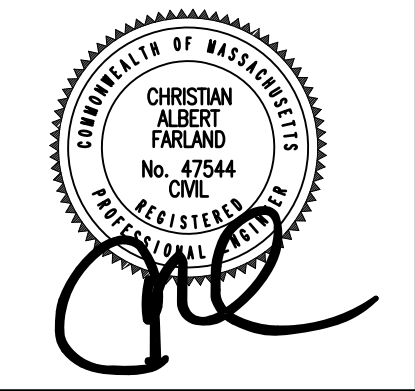
Spot grades have been added to the plan to show current existing conditions of the access driveway and rain garden. (See Attached)

If you have any questions or require any further information, please contact this office at (508) 717-3479.

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REVISIONS



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 OFFICES IN:
 ● TAUNTON
 ● MARLBOROUGH
 ● WARWICK, RI

DRAWN BY: MJW
 DESIGNED BY: -
 CHECKED BY: CAF

AS-BUILT PLAN
 100 DUCHAINE BOULEVARD
 ASSESSORS MAP 134 LOT 5
 NEW BEDFORD, MASSACHUSETTS
 PREPARED FOR:
 PARALLEL PRODUCTS OF NEW ENGLAND
 401 INDUSTRY ROAD
 LOUISVILLE, KY 40208

JUNE 18, 2019
 SCALE: 1"=20'
 JOB NO. 15-500.2
 LATEST REVISION: