March 24, 2021

Joshua Soares, PE
Nitsch Engineering
2 Center Plaza, Suite 430
Boston, MA 02108-1928

RE: Notice of Intent – Peer Review
1265 Bartlett Street – New Bedford, MA

Dear Mr. Soares:

We have enclosed a response letter, revised Definitive Subdivision Plans and stormwater calculations in response to the comment memo prepared by Nitsch Engineering – dated March 12, 2021.

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

Very Truly Yours,

FARLAND CORPORATION, INC.

Christopher Gilbert
Project Manager
Farland Corp. Inc.

Nitsch Engineering Comments

MassDEP Stormwater Management Standards

Comment #8:

(Nitsch Comment 2021-02-26)The Pre-Development HydroCAD analysis for watersheds S-1 and S-2 include different curve numbers for the same ground cover across the site. Catchment S-1 includes Woods/Grass combo, in good condition with a CN of 58, whereas Catchment S-2 includes Woods/Grass combo, in fair condition, with a CN of 65. The Applicant shall update the HydroCAD to include consistent curve numbers for the site.

(Farland Corp. Response 3/5/2021) Inconsistencies within the stormwater catchment areas have been corrected.

Nitsch Response (2021-03-12): The Applicant has updated the ground cover in the HydroCAD analysis; however, there are still inconsistencies. The pre-development analysis includes ground cover of only Woods/Grass combo, in good condition with a CN of 58, whereas the postdevelopment analysis includes a ground cover of Woods, in good condition with a CN of 55. It should be expected that the wooded ground covers would be consistent for both the pre- and post-development analyses as this groundcover is that of the uncleared woodlands. The lower CN in the post-development analysis results in lower peak discharge rates and volumes. The Applicant shall maintain the same CN for uncleared wooded areas in the post-development analysis as the pre-development analysis.

(Farland Corp. Response 3/24/2021) The CN was corrected to 58 for the post development ground cover of Woods. 6" of stone was added to the sides and ends of the infiltration system to accommodate for the increased flow. Stormwater calculations were updated accordingly.