

# AMERICAN ENGINEERING, Inc.

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December 19, 2023

Town of South Kingstown Planning Board  
180 High Street  
Wakefield, RI 02879

## **RE: Application of Bell Capital located at 485 High Street in South Kingstown, Rhode Island**

To Whom it may concern:

This letter is written to address the stormwater mitigation requirements for the above referenced project. A stormwater management system would be required to mitigate stormwater runoff such that post construction conditions do not result in peak run-off increases in rate or volume from pre-construction conditions. The proposed conditions for this project will reduce both runoff rates and volumes. This will be achieved by reducing the impervious areas on site and by providing a permeable grass paver with a 12” subbase designed to capture and infiltrate stormwater. The proposed development has been designed to reduce the total impervious coverage for the site by 282 square feet. The permeable paver proposed, Aquastorm Grass Pavers by Techno-bloc (or approved equivalent) will have a subbase of a minimum of 12”. The Rhode Island Stormwater Design and Installation Standards Manual indicates that permeable pavers with a 12” or greater subbase in Hydrological Soil Group ‘B’ has a curve number of 55, while grass in the same soil group has a curve number of 61. By reducing the impervious areas and proposing a permeable paver, the proposed conditions will reduce the runoff rates and volumes from the site as compared to the existing conditions. The proposed grassed permeable paver will require little to no maintenance beyond regular mowing. It should be noted that grass clippings shall be bagged and removed from the site to prevent potential clogging. The proposed rain garden maintenance schedule is outlined on the plan in the 14 “Rain Garden Notes”. Both the maintenance for the permeable paver and rain garden have been added to a separate Operation and Maintenance Plan manual.

RIDEM stormwater/water quality, RIPDES, and/or wetlands permits are not required for this project. There are no wetlands on the subject parcel or apparent on the adjacent property. No infiltration system listed in 8.21 of the Stormwater Management, Design, and Installation Rules are proposed and the proposed limit of disturbance is less than 1 acre.

If there are any questions or if we can be of any further assistance to you either now or in the future, please call.

Yours Truly,



Patrick J. Freeman, PE