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March 8, 2022  
File No. 34997.00

James Rabbitt  
Director of Planning  
Town of South Kingstown  
509 Commodore Perry Highway  
Wakefield RI 02879

Re: Proposed Development Engineering Review  
Matunuck Beach Road Condominiums: Plat 92-2, Lot 56  
Matunuck Beach Road  
South Kingstown, Rhode Island

Dear Mr. Rabbitt:

As requested by the Town of South Kingstown, GZA has performed an engineering review of the Revised Preliminary Plan Submittal for the proposed Matunuck Beach Road Condominiums Development prepared by Diprete Engineering.

GZA reviewed the following documents that were included in the Revised Preliminary Plan Submittal:

- Permitting Submission Set: Matunuck Beach Condos, revised February 17, 2022, by Diprete Engineering (Design Plans)
- Stormwater Management Report, revised February 17, 2022 by Diprete Engineering
- Stormwater System Operation and Maintenance Plan, revised February 17, 2022, by Diprete Engineering

GZA reviewed the design of the proposed development's stormwater management system and the anticipated effects of stormwater runoff generated from the proposed development on local hydrology and watersheds. Our review was based on the proposed development project's compliance with the Rhode Island Department of Environmental Management's (RIDEM) Stormwater Management, Design, and Installation Rules: Effective 11/13/2018, Coastal Resources Management Program-Rules and Regulations Governing the Protection and Management of Freshwater Wetlands in the Vicinity of the Coast, Effective 02/17/2011 and South Kingstown Ordinances. It is GZA's opinion that the proposed development's stormwater management system presented in the February 17, 2022 documents referenced above is in general conformance with the above listed regulations. The proposed development does alter the existing runoff characteristics at the proposed level spreader outlet device. The proposed level spreader will likely concentrate stormwater discharge from the watershed into a smaller area, toward a single residence located downgradient of the project.



If you have any questions or require additional information, please do not hesitate to contact Ryan DaPonte at (401) 741-4514 or [ryan.daponte@gza.com](mailto:ryan.daponte@gza.com)

Very truly yours,

GZA GEOENVIRONMENTAL, INC.

A handwritten signature in blue ink, appearing to read "Ryan DaPonte".

Ryan DaPonte, P.E.  
Project Manager

A handwritten signature in blue ink, appearing to read "Todd Greene".

Todd Greene, P.E.  
Associate Principal

Attachments: Limitations



## USE OF REPORT

1. GZA GeoEnvironmental, Inc. (GZA) prepared this report on behalf of, and for the exclusive use of our Client for the stated purpose(s) and location(s) identified in the Proposal for Services and/or Report. Use of this report, in whole or in part, at other locations, or for other purposes, may lead to inappropriate conclusions; and we do not accept any responsibility for the consequences of such use(s). Further, reliance by any party not expressly identified in the agreement, for any use, without our prior written permission, shall be at that party's sole risk, and without any liability to GZA.

## STANDARD OF CARE

2. GZA's findings and conclusions are based on the work conducted as part of the Scope of Services set forth in the Proposal for Services and/or Report and reflect our professional judgment. These findings and conclusions must be considered not as scientific or engineering certainties, but rather as our professional opinions concerning the limited data gathered during the course of our work. Conditions other than described in this report may be found at the subject location(s).
3. GZA's services were performed using the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services, at the same time, under similar conditions, at the same or a similar property. No warranty, expressed or implied, is made. Specifically, GZA does not and cannot represent that the Site contains no hazardous material, oil, or other latent condition beyond that observed by GZA during its study. Additionally, GZA makes no warranty that any response action or recommended action will achieve all of its objectives or that the findings of this study will be upheld by a local, state or federal agency.
4. In conducting our work, GZA relied upon certain information made available by public agencies, Client and/or others. GZA did not attempt to independently verify the accuracy or completeness of that information. Inconsistencies in this information which we have noted, if any, are discussed in the Report.

## SUBSURFACE CONDITIONS

5. The generalized soil profile(s) provided in our Report are based on widely-spaced subsurface explorations and are intended only to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and were based on our assessment of subsurface conditions. The composition of strata, and the transitions between strata, may be more variable and more complex than indicated. For more specific information on soil conditions at a specific location refer to the exploration logs. The nature and extent of variations between these explorations may not become evident until further exploration or construction. If variations or other latent conditions then become evident, it will be necessary to reevaluate the conclusions and recommendations of this report.
6. Water level readings have been made, as described in this Report, in and monitoring wells at the specified times and under the stated conditions. These data have been reviewed and interpretations have been made in this report. Fluctuations in the level of the groundwater however occur due to temporal or spatial variations in areal recharge rates, soil heterogeneities, the presence of subsurface utilities, and/or natural or artificially induced perturbations. The observed water table may be other than indicated in the Report.

## COMPLIANCE WITH CODES AND REGULATIONS

7. We used reasonable care in identifying and interpreting applicable codes and regulations necessary to execute our scope of work. These codes and regulations are subject to various, and possibly contradictory, interpretations. Interpretations and compliance with codes and regulations by other parties is beyond our control.



### **SCREENING AND ANALYTICAL TESTING**

8. GZA collected environmental samples at the locations identified in the Report. These samples were analyzed for the specific parameters identified in the report. Additional constituents, for which analyses were not conducted, may be present in soil, groundwater, surface water, sediment and/or air. Future Site activities and uses may result in a requirement for additional testing.
9. Our interpretation of field screening and laboratory data is presented in the Report. Unless otherwise noted, we relied upon the laboratory's QA/QC program to validate these data.
10. Variations in the types and concentrations of contaminants observed at a given location or time may occur due to release mechanisms, disposal practices, changes in flow paths, and/or the influence of various physical, chemical, biological or radiological processes. Subsequently observed concentrations may be other than indicated in the Report.

### **INTERPRETATION OF DATA**

11. Our opinions are based on available information as described in the Report, and on our professional judgment. Additional observations made over time, and/or space, may not support the opinions provided in the Report.

### **ADDITIONAL INFORMATION**

12. In the event that the Client or others authorized to use this report obtain additional information on environmental or hazardous waste issues at the Site not contained in this report, such information shall be brought to GZA's attention forthwith. GZA will evaluate such information and, on the basis of this evaluation, may modify the conclusions stated in this report.

### **ADDITIONAL SERVICES**

13. GZA recommends that we be retained to provide services during any future investigations, design, implementation activities, construction, and/or property development/ redevelopment at the Site. This will allow us the opportunity to: i) observe conditions and compliance with our design concepts and opinions; ii) allow for changes in the event that conditions are other than anticipated; iii) provide modifications to our design; and iv) assess the consequences of changes in technologies and/or regulations.

