

PRELIMINARY SUBDIVISION SUITABILITY

DETERMINATION BY THE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

**SUBDIVISION: FIELDSTONE FARMS**

**TOWN: SOUTH KINGSTOWN**

This report pertains to lots numbered 1 to 39.

Based upon the Percolation Tests, Soil Exploration Tests, and Ground Water Table Determinations and other data furnished with this report, it is the opinion of this office that subdivision lots 1 to 39, inclusive, on plans entitled "Fieldstone Farms", Stony Fort Road, South Kingstown, RI, for Old North Land Investments, LLC by DiPrete Engineering, Inc., appears suitable for the use of onsite wastewater treatment systems provided:

1. Water supply is from a public or community drinking water system from an off site source.
2. The size of the proposed leachfields must be based on the loading rate in the area of the system per Rule 32.2.1 and 32.2.2. but not less than 10 minutes/inch (.70 gals/sf/day).
3. The leachfield must be located in the area as listed in item 7 below.
4. All other requirements of the rules and regulations pertaining to onsite wastewater treatment systems in effect at the time of the individual lot application must be met
5. The specific details of the proposed leachfields are not part of the review, but have been considered for planning purposes only.
6. All proposed construction within minimum distances to existing wetlands as defined in Rule 7 of the current regulations must be reviewed by the Fresh Water Wetlands Section of this Department. In conjunction, an applicability determination must be filed with the Wetlands Section of this Department prior to the submission of individual applications for these cases. This determination must show all filling, roadways, grading and modifications to each lot that may not be shown on the subdivision plan

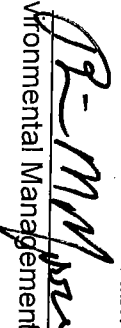
7. DESIGN CRITERIA IS AS FOLLOWS:

<u>Lot Number</u>	<u>Design Depth</u>
1	1'8" in the area indicated only
2	1'7" in the area indicated only
3	1'6" in the area indicated only
4	7'8" in the area indicated only
5	1'6" in the area indicated only
6	1'7" in the area indicated only
7	1'6" in the area indicated only
8	1'6" in the area indicated only
9	1'8" in the area indicated only (25" min. off Bio Pond)
10	1'8" in the area indicated only
11	1'7" in the area indicated only
12	1'6" in the area indicated only
13	1'6" in the area indicated only
14	1'6" in the area indicated only
15	1'6" in the area indicated only

Lots 16 -39 will utilize the proposed Geomat 3900 Community OWTS. The Community OWTS shall use a design depth of 2'0" in the area indicated. Each lot will use individual advanced treatment units for denitrification.

The above action is a preliminary determination only. It does not guarantee or constitute current or future approval in whole or in part of onsite wastewater treatment systems required for each lot. Specific approval will be required by the Department of Environmental Management for each system on each lot, which will be based on the onsite wastewater treatment rules and regulations in effect at the time of the submission of the individual application.

Official Signature  
Department of Environmental Management



Title Supervising Sanitary Engineer  
Date 1-8-14

IDENTIFICATION NUMBER: S32-209

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- 7A. The bottom of all systems must be designed to be 5 ft. above the total depth of exaction per Rule 32.8 of the current regulations
- 7B. To The extent possible maximize distance between drainage and proposed onsite wastewater treatment systems to meet Table 22.1 of the current regulations
- 7C. If at any time concentrations of nitrate in the groundwater monitoring wells indicated on the Groundwater Monitoring Plans dated May 2013, exceed the preventative action unit of 5mg/l the Department may require the applicant to take additional corrective action to ensure compliance with Groundwater Quality standards.
- 7D. Lots 1 thru 15 are required to use denitrification systems with bottomless sandfilters for disposal.

The above action is a preliminary determination only. It does not guarantee or constitute current or future approval in whole or in part of onsite wastewater treatment systems required for each lot. Specific approval will be required by the Department of Environmental Management for each system on each lot, which will be based on the onsite wastewater treatment rules and regulations in effect at the time of the submission of the individual application.

Official Signature B. M. Morse Title Supervising Sanitary Engineer  
Department of Environmental Management Date 7-8-14