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SOIL EVALUATION • WETLAND DELINEATIONS • SOIL SURVEYS • WETLAND PERMITTING

3312

October 5, 2014

Mr. Tom Greer
Pinkham & Greer
28 Vannah Avenue
Portland, ME 04103

Re: Construction Inspection, Cliff Island Community Septic System Association

Dear Tom.

I have completed my inspection of the installation of the disposal bed areas for the the Cliff Island Community Septic System Association, Cliff Island, Portland, Maine. The design of this disposal bed was approved by the Division of Health Engineering in a letter dated August 30, 2013 by Mr. Jim Jacobsen. In this letter findings 4, and 13 require that the design engineer provide sufficient inspections to assure that the system is constructed as designed and in accordance with the regulations. I completed site inspections on the installation of the disposal beds on September 3, 10, 15, 18, 26 and 30, 2014. At each of these site visits, I observed the progress of the installation as well as confirmed the beds were being constructed to the proper elevations. Attention was given to site preparations, fill selection and placement, installation of Eljens and piping and distribution boxes.

Site inspections including discussing progress or answering questions from the contractor, Anderson Landscaping. I took photographs of the construction process. I have included a thumb drive of these photographs for your files as well. In my opinion, the construction of these disposal beds were completed according to the design, at the correct elevations, using the proper materials. If you have any questions or require additional information please contact me.

Sincerely,

Mark J. Hampton L.S.E., C.S.S.
Licensed Site Evaluator #263
Certified Soil Scientist #216

Enc.



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Quality services that meet your deadline

JOB _____

SHEET NO. _____ OF _____

CALCULATED BY _____ DATE _____

CHECKED BY _____ DATE _____

SCALE _____

9/26/14 water taxi - Ferry

490

Visited site w/ Tom Green. Bed #2 had been completely backfilled with sand. Bed 1, western half was almost completed and coarse sand was being placed on the eastern half of Bed 1. I checked elevations of the western half of Bed 1 and found that it was being installed to proper elevation. City expects for completion of bed 1 is scheduled for Tuesday 9/30. I observed double area where Chris had created a mixing layer with sand and original soils at the location where the water beneath the bed will be moving to.

490

9/30/14 water taxi - Ferry

Visited site, all the Eljan for bed 1 had been placed. The piping for the whole bed was halfway done. The subgrade for the outfall of both beds had been grubbed and 6-18" of sand placed over the top. No wood chipping has occurred on either bed. The City ~~is~~ scheduled for today has been postponed until either tomorrow or Thursday. Chris will wait on ~~the~~ finish piping of the bed today and get fabric on them ~~over the~~ work on detaching fence main to end of Bed 1. We discussed field alignment of fence main and I sent a picture of the plans Chris had to Tom G. It shows it along the existing road way and then down to the utilization site. I said I would get back to Chris today and let him know if it is different than what

SOIL PROFILE / CLASSIFICATION INFORMATION

DETAILED DESCRIPTION OF SUBSURFACE CONDITIONS AT PROJECT SITES

Project Name: Cliff Island C Septic Sys Applicant Name: Cliff Island Septic Assn Project Location (municipality): Portland

Exploration Symbol # 107 Test Pit Boring Probe
 " Organic horizon thickness _____ Ground surface elev. _____
 " Depth of exploration or to refusal _____

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Redox Features
0	Sandy loam	Fine	Brown	None
10	Sandy loam	Fine	Brown	None
20	Ledge			

Soil Details by S.E. Soil Classification: Z A-4# Slope: 4 Limiting Factor: 14 Groundwater, Restrictive Layer, Bedrock
 Profile: _____ Condition: _____ Percent: _____ Depth: _____
 S.S. Soil Series/Phase Name: _____ Hydric, Non-hydric, Hydrologic, Soil Group: _____

Exploration Symbol # 108 Test Pit Boring Probe
 " Organic horizon thickness _____ Ground surface elev. _____
 " Depth of exploration or to refusal _____

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Redox Features
0	Sandy loam	Fine	Brown	None
10	Sandy loam	Fine	Brown	None
20	Ledge			

Soil Details by S.E. Soil Classification: Z A-4# Slope: 4 Limiting Factor: 15 Groundwater, Restrictive Layer, Bedrock
 Profile: _____ Condition: _____ Percent: _____ Depth: _____
 S.S. Soil Series/Phase Name: _____ Hydric, Non-hydric, Hydrologic, Soil Group: _____

Exploration Symbol # _____ Test Pit Boring Probe
 " Organic horizon thickness _____ Ground surface elev. _____
 " Depth of exploration or to refusal _____

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Redox Features
0				
10				
20				
30				
40				
50				
60				

Soil Details by S.E. Soil Classification: _____ Slope: _____ Limiting Factor: _____ Groundwater, Restrictive Layer, Bedrock
 Profile: _____ Condition: _____ Percent: _____ Depth: _____
 S.S. Soil Series/Phase Name: _____ Hydric, Non-hydric, Hydrologic, Soil Group: _____

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Depth below mineral soil surface (inches)	Texture	Consistency	Color	Redox Features
0				
10				
20				
30				
40				
50				
60				

Soil Details by S.E. Soil Classification: _____ Slope: _____ Limiting Factor: _____ Groundwater, Restrictive Layer, Bedrock
 Profile: _____ Condition: _____ Percent: _____ Depth: _____
 S.S. Soil Series/Phase Name: _____ Hydric, Non-hydric, Hydrologic, Soil Group: _____

INVESTIGATOR INFORMATION AND SIGNATURE

Signature: Mark J. Hampton Date: 9/6/13
 Name Printed: Mark J. Hampton Cert/Lic/Reg. #: 203
 Title: Licensed Site Evaluator Certified Soil Scientist Certified Geologist Professional Engineer

affix professional seal

