

November 26 2020

Mr. Scott Harding  
NextHome Experience  
38 Moosehead Lake Road  
Greenville, ME 04441

RE: Preliminary Soil Evaluation of the proposed Black Bear Ridge subdivision, Phase 2 off East Road in Greenville, ME

Dear Scott:

As you requested, on November 25, 2020, I conducted preliminary soil evaluations for subsurface wastewater disposal on the proposed Black Bear Ridge subdivision, Phase 2 off East Road in Greenville, Maine. I understand there are 14 residential lots proposed in this subdivision.

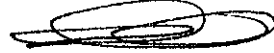
Evaluation of the proposed lots revealed at least one area per lot where soil conditions meet the minimum drainage requirements for subsurface wastewater disposal. The test pit locations were located and were plotted onto a Site Plan prepared by your surveyor. Soil conditions observed ranged from 3C to 2A with evidence of a seasonal groundwater table and/or restrictive layer from 22 to 30 inches in depth on the 3C soils and with possible bedrock at 15 to 30 inches in depth on the 2A soils. Soil condition and depth to seasonal groundwater table, restrictive layer, or bedrock for each lot and each test pit are summarized in the attached "Exhibit 1- Proposed Black Bear Ridge subdivision, Phase 2, Summary of Test Pit Logs and Proposed Subsurface Wastewater Disposal" and specified in the attached "Soil Condition and Classification" test pit logs. For all soils observed, a 1000 gallon septic tank followed by a 900 square foot disposal bed, would provide adequate treatment of wastewater for a 3 bedroom house. Each test pit location is identified on the ground with a wooden stake and orange flagging and is shown on a Site Plan is prepared by your Surveyor.

As with any subsurface wastewater disposal system, proper setback of a disposal system from wells, structures, lot lines, bodies of water, and protected natural resources is a necessary consideration in determining whether an area that appears suitable for subsurface wastewater disposal can meet minimum setback requirements. Based on information available and my evaluation, it appears the suitable areas observed at the test pits described in this report meets minimum setback requirements under the Maine State Plumbing Code. It is the responsibility of the owner or his agent to contact appropriate local officials to check on local ordinances, such as setback requirements, that may be

more restrictive than the Plumbing Code prior to obtaining required permits and construction of a septic system.

Please call me at (207) 825-4792 if you have any questions.

Sincerely,



Stephen H. Howell  
Site Evaluator # 213

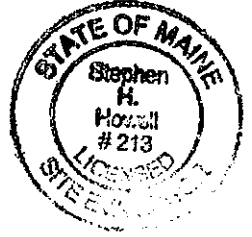
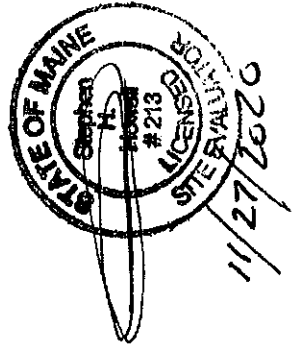


Exhibit 1- Proposed Black Bear Ridge Subdivision, Phase 2, Summary of Test Pit Logs and Proposed Subsurface Waste Water Disposal

Lot #	Test Pit	Soil Name	Plumbing Cost Soil Profile & Condition	Depth of Pit	Depth to		Area of Suitable Soils	Area Required for System Installation	Type of System Anticipated
					Seasonal Ground Water	Bedrock			
1	TP1	Dixfield	3C	35"	30"	>35"	5000 Sq. Ft.	900 Sq. Ft.	20' X 45' Disposal Bed
2	TP2	Dixfield	3C	35"	30"	>35"	5000 Sq. Ft.	900 Sq. Ft.	20' X 45' Disposal Bed
3	TP3	Tunbridge	2A	20"	NO	20"	5000 Sq. Ft.	900 Sq. Ft.	20' X 45' Disposal Bed
4	TP4	Lyman	2A	17"	NO	17"	5000 Sq. Ft.	900 Sq. Ft.	20' X 45' Disposal Bed
5	TP5	Lyman	2A	17"	NO	17"	5000 Sq. Ft.	900 Sq. Ft.	20' X 45' Disposal Bed
6	TP6	Tunbridge	2A	20"	NO	20"	5000 Sq. Ft.	900 Sq. Ft.	20' X 45' Disposal Bed
7	TP7	Dixfield	3C	30"	25"	>30"	5000 Sq. Ft.	900 Sq. Ft.	20' X 45' Disposal Bed
8	TP8	Dixfield	3C	30"	22"	>30"	5000 Sq. Ft.	900 Sq. Ft.	20' X 45' Disposal Bed
9	TP9	Lyman	2A	15"	NO	15"	5000 Sq. Ft.	900 Sq. Ft.	20' X 45' Disposal Bed
10	TP10	Tunbridge	2A	20"	NO	20"	5000 Sq. Ft.	900 Sq. Ft.	20' X 45' Disposal Bed
11	TP11	Tunbridge	2A	18"	NO	18"	5000 Sq. Ft.	900 Sq. Ft.	20' X 45' Disposal Bed
12	TP12	Tunbridge	2A	15"	NO	15"	5000 Sq. Ft.	900 Sq. Ft.	20' X 45' Disposal Bed
13	TP13	Dixfield	3C	35"	25"	>35"	5000 Sq. Ft.	900 Sq. Ft.	20' X 45' Disposal Bed
14	TP14	Tunbridge	2A	30"	NO	30"	5000 Sq. Ft.	900 Sq. Ft.	20' X 45' Disposal Bed



**SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION**

Maine Dept. Health & Human Services  
Division of Environmental Health  
(207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation

Street, Road, Subdivision

Owner's Name

**GREENVILLE**

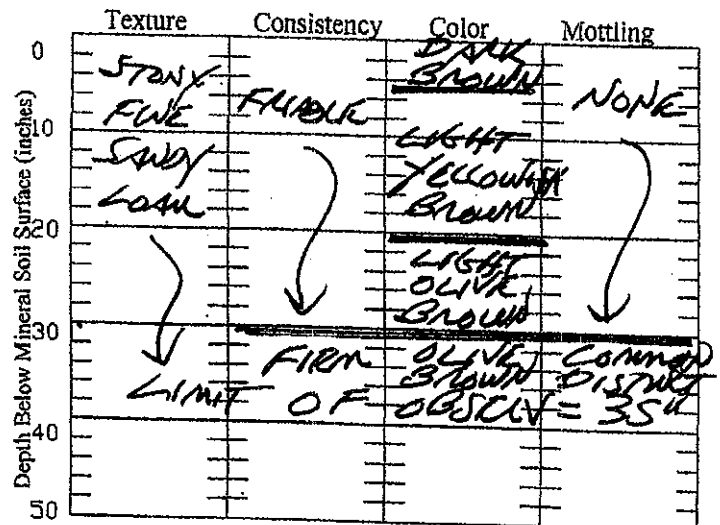
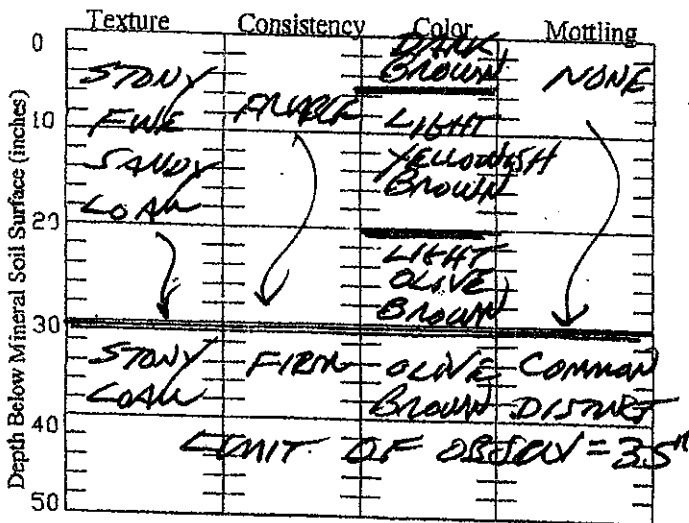
**PHASE II,  
BLACK BEAR RIDGE**

**SCOTT HARDING**

**SOIL DESCRIPTION AND CLASSIFICATION** (Location of Observation Holes Shown Above)

Observation Hole **TP1**  Test Pit  Boring  
**2** " Depth of Organic Horizon Above Mineral Soil

Observation Hole **TP2**  Test Pit  Boring  
**3** " Depth of Organic Horizon Above Mineral Soil



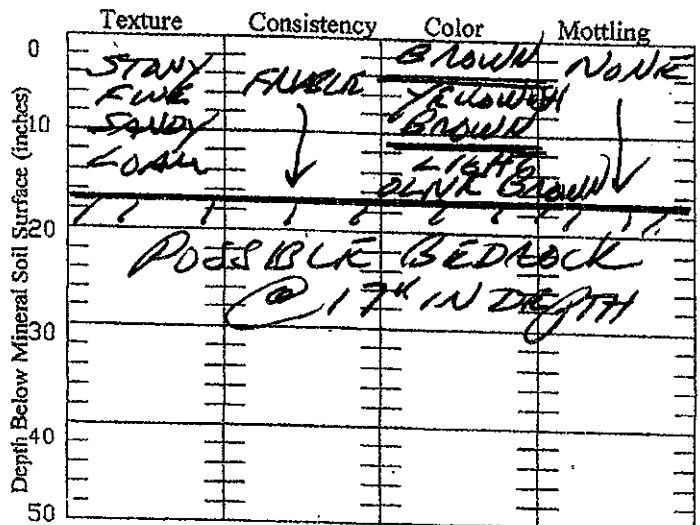
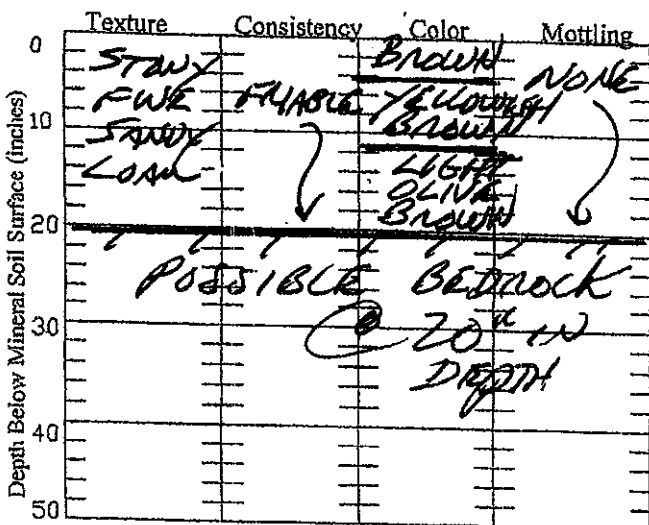
Soil Classification Profile <b>3 C</b>	Slope <b>3-12%</b>	Limiting Factor <b>30"</b>	<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
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Soil Classification Profile <b>3 C</b>	Slope <b>3-12%</b>	Limiting Factor <b>30"</b>	<input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
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**SOIL DESCRIPTION AND CLASSIFICATION** (Location of Observation Holes Shown Above)

Observation Hole **TP3**  Test Pit  Boring  
**4** " Depth of Organic Horizon Above Mineral Soil

Observation Hole **TP4**  Test Pit  Boring  
**2** " Depth of Organic Horizon Above Mineral Soil



Soil Classification Profile <b>2 A</b>	Slope <b>1-8%</b>	Limiting Factor <b>20"</b>	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock (Possible) <input type="checkbox"/> Pit Depth
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Soil Classification Profile <b>2 A</b>	Slope <b>1-8%</b>	Limiting Factor <b>17"</b>	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock (Possible) <input type="checkbox"/> Pit Depth
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*[Signature]*

#213 SE #

11/26/2020 Date

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**SOIL DESCRIPTION AND CLASSIFICATION** (Location of Observation Holes Shown Above)

Observation Hole TP5  Test Pit  Boring  
2" Depth of Organic Horizon Above Mineral Soil

Observation Hole TP6  Test Pit  Boring  
3" Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
STONY		BROWN	NONE
FINE	FLUKE	YELLOWISH	
SANDY		BROWN	
LOAM		EST. OLIVE BROWN	
POSSIBLE BEDROCK @ 17" IN DEPTH			

Texture	Consistency	Color	Mottling
STONY		BROWN	NONE
FINE	FLUKE	STRONG BROWN	
SANDY		LIGHT YELLOWISH BROWN	
LOAM			
POSSIBLE BEDROCK @ 20" IN DEPTH			

Soil Classification Profile <u>2 A</u>	Slope <u>1-8%</u>	Limiting Factor <u>17"</u>	<input checked="" type="checkbox"/> Ground Water <input checked="" type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
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Soil Classification Profile <u>2 A</u>	Slope <u>3-15%</u>	Limiting Factor <u>20"</u>	<input type="checkbox"/> Ground Water <input checked="" type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
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**SOIL DESCRIPTION AND CLASSIFICATION** (Location of Observation Holes Shown Above)

Observation Hole TP7  Test Pit  Boring  
3" Depth of Organic Horizon Above Mineral Soil

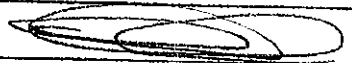
Observation Hole TP8  Test Pit  Boring  
3" Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
STONY		BROWN	NONE
FINE	FLUKE	YELLOWISH BROWN	
SANDY		LIGHT YELLOWISH BROWN	
LOAM		EST. OLIVE BROWN	
FIRM OLIVE BROWN COMMON DISTINCT			
LIMIT OF OBSERV = 30"			

Texture	Consistency	Color	Mottling
STONY		BROWN	NONE
FINE	FLUKE	LIGHT YELLOWISH BROWN	
SANDY		LIGHT OLIVE BROWN	
LOAM			
FIRM OLIVE BROWN COMMON DISTINCT			
LIMIT OF OBSERV = 30"			

Soil Classification Profile <u>3 C</u>	Slope <u>1-5%</u>	Limiting Factor <u>25"</u>	<input checked="" type="checkbox"/> Ground Water <input checked="" type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
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Soil Classification Profile <u>3 C</u>	Slope <u>1-5%</u>	Limiting Factor <u>22"</u>	<input checked="" type="checkbox"/> Ground Water <input checked="" type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
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Site Evaluator Signature

#213  
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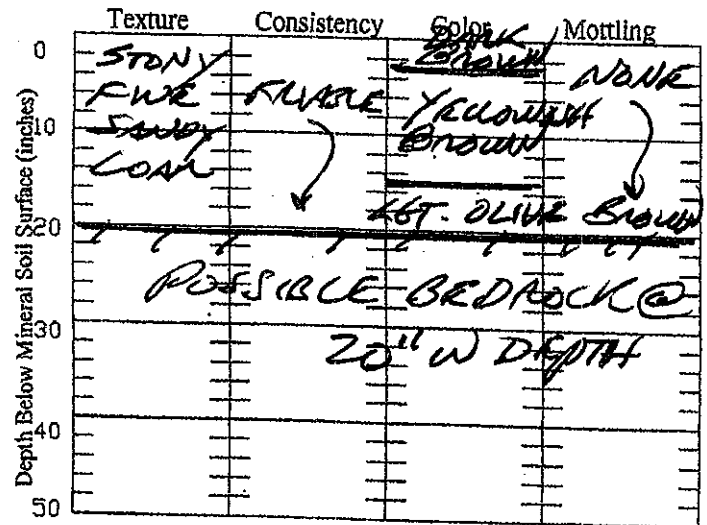
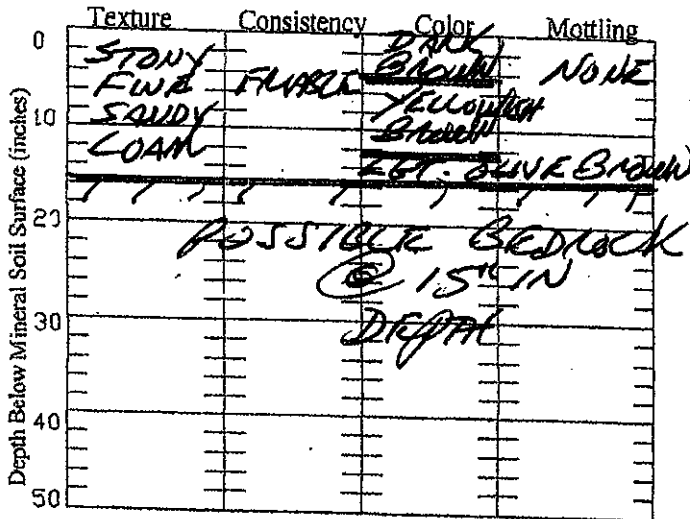
PHASE II,  
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**SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)**

Observation Hole TP9  Test Pit  Boring  
3 " Depth of Organic Horizon Above Mineral Soil

Observation Hole TP10  Test Pit  Boring  
3 " Depth of Organic Horizon Above Mineral Soil



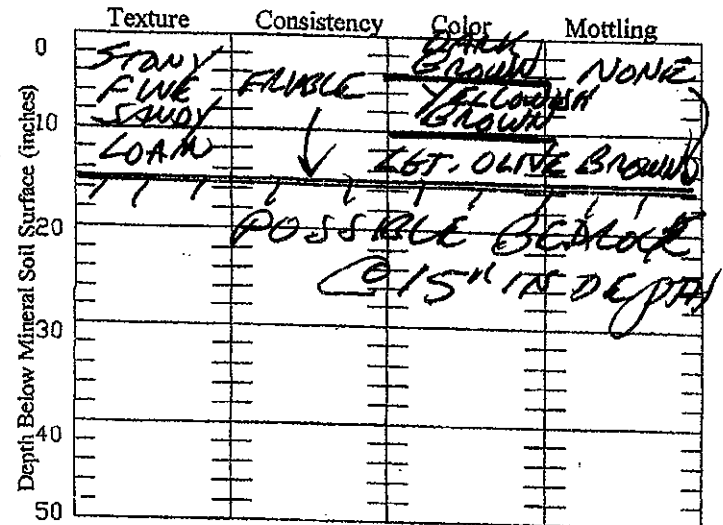
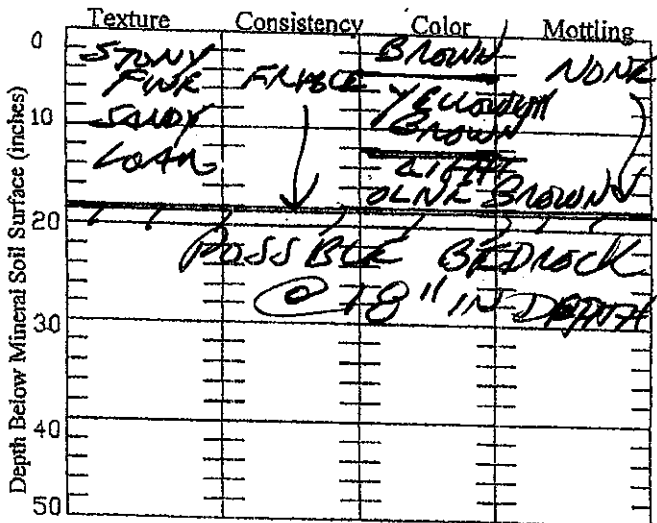
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Soil Classification Profile <u>2 A</u>	Slope <u>1-8</u> %	Limiting Factor <u>20"</u>	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock (Possible) <input type="checkbox"/> Pit Depth
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**SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)**

Observation Hole TP11  Test Pit  Boring  
2 " Depth of Organic Horizon Above Mineral Soil

Observation Hole TP12  Test Pit  Boring  
3 " Depth of Organic Horizon Above Mineral Soil



Soil Classification Profile <u>2 A</u>	Slope <u>1-8</u> %	Limiting Factor <u>18"</u>	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock (Possible) <input type="checkbox"/> Pit Depth
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Soil Classification Profile <u>2 A</u>	Slope <u>3-12</u> %	Limiting Factor <u>15"</u>	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock (Possible) <input type="checkbox"/> Pit Depth
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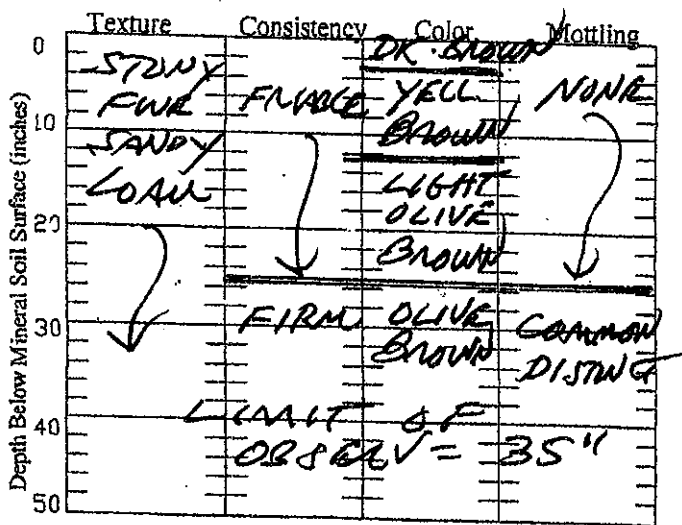
**PHASE II,  
BLACK BEAR RIDGE**

Owner's Name

**SCOTT HARDING**

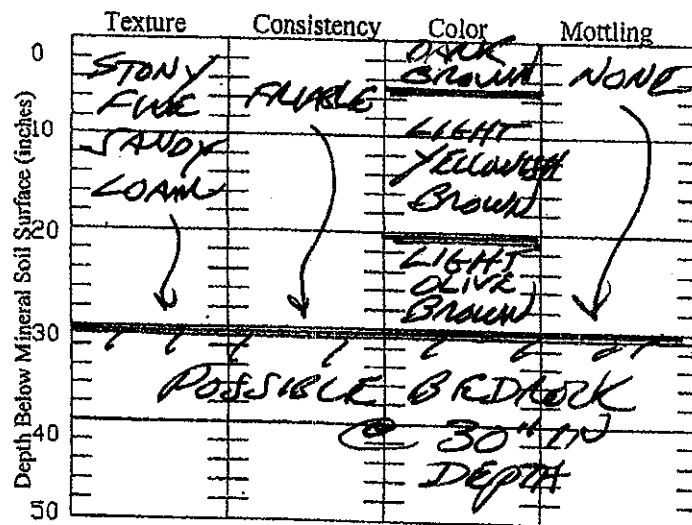
## SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

Observation Hole **TP13**  Test Pit  Boring  
 2" Depth of Organic Horizon Above Mineral Soil



Soil Classification Profile	Slope	Limiting Factor	<input checked="" type="checkbox"/> Ground Water
<b>3 C</b>	<b>1-8%</b>	<b>25"</b>	<input checked="" type="checkbox"/> Restrictive Layer
			<input type="checkbox"/> Bedrock
			<input type="checkbox"/> Pit Depth

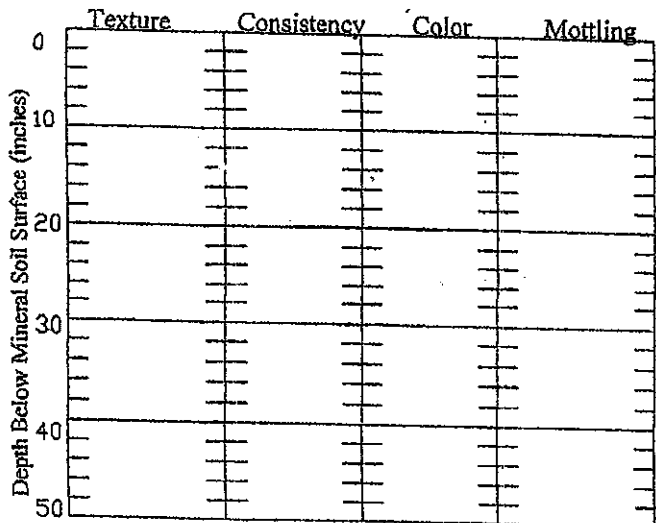
Observation Hole **TP14**  Test Pit  Boring  
 3" Depth of Organic Horizon Above Mineral Soil



Soil Classification Profile	Slope	Limiting Factor	<input type="checkbox"/> Ground Water
<b>2 A</b>	<b>1-8%</b>	<b>30"</b>	<input type="checkbox"/> Restrictive Layer
			<input type="checkbox"/> Bedrock (POSSIBLE)
			<input type="checkbox"/> Pit Depth

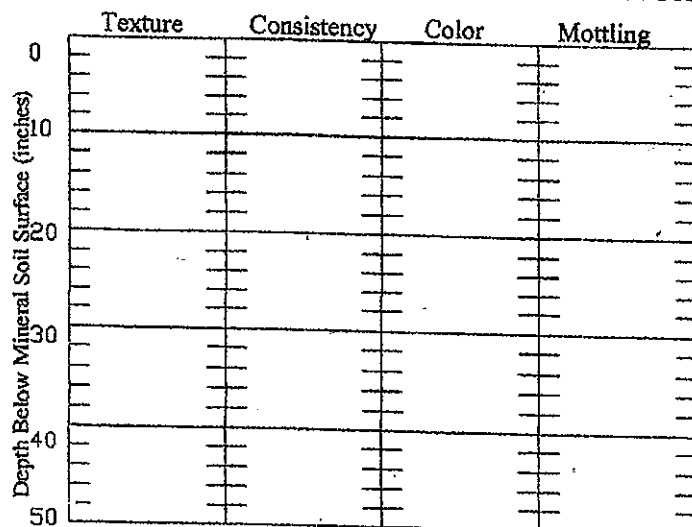
## SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

Observation Hole \_\_\_\_\_  Test Pit  Boring  
 \_\_\_\_\_" Depth of Organic Horizon Above Mineral Soil

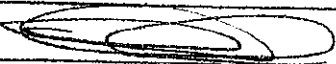


Soil Classification Profile	Slope	Limiting Factor	<input type="checkbox"/> Ground Water
	%	"	<input type="checkbox"/> Restrictive Layer
			<input type="checkbox"/> Bedrock
			<input type="checkbox"/> Pit Depth

Observation Hole \_\_\_\_\_  Test Pit  Boring  
 \_\_\_\_\_" Depth of Organic Horizon Above Mineral Soil



Soil Classification Profile	Slope	Limiting Factor	<input type="checkbox"/> Ground Water
	%	"	<input type="checkbox"/> Restrictive Layer
			<input type="checkbox"/> Bedrock
			<input type="checkbox"/> Pit Depth

  
 Site Evaluator Signature

**# 213**  
 SE #

**11/26/2020**  
 Date



⊕ APPROXIMATE LOCATION SUITABLE  
 TEST PIT LOCATIONS FOR SUBSURFACE  
 WASTE WATER DISPOSAL BY  
 STEPHEN H. HOWELL, SE # 213 ON  
 11/25/2020