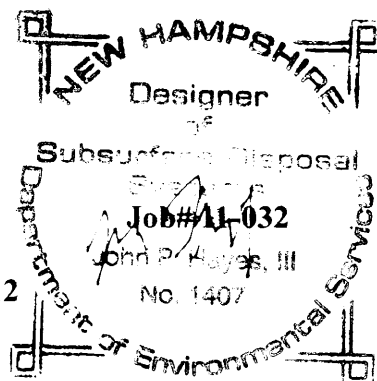


John P. Hayes III CSS, CWS, CESSWI  
36 Cable Road  
Rye NH 03870

Test Pit Logs Mill Road Durham, NH 1/22/12  
Witness: Mike Coumo



**Test Pit 100**

Depth (inches)	Color	Textural Classification	Soil Structure	Soil Consistence
0-9	10YR3/3 Dark Brown	Fine Sandy Loam	Granular	Friable
9-22	10YR 5/4 Yellowish Brown	Fine Sandy Loam	Granular	Friable
22-42	2.5Y 5/3 Light Olive Brown	Silt Loam with Redoximorphic features present	Blocky	Firm

ESHW: 22 in. Restrictive Layer: 22 in. Roots: 22 in. Observed H<sub>2</sub>O: None Refusal: None  
Perc. Rate: 12 min. per inch at 20 in.

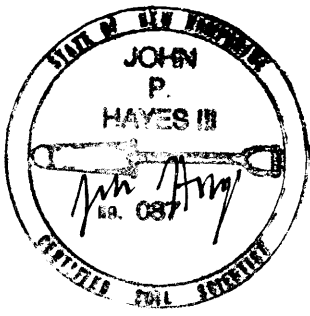
**Test Pit 101**  
**Refusal at 22 inches**

**Test Pit 102**  
**Refusal at 25 inches**

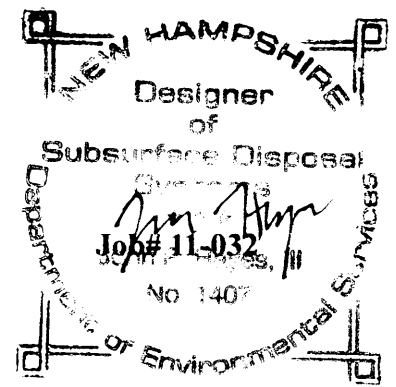
**Test Pit 103**

Depth (inches)	Color	Textural Classification	Soil Structure	Soil Consistence
0-9	10YR3/3 Dark Brown	Fine Sandy Loam	Granular	Friable
9-21	10YR5/6 Yellowish Brown	Fine Sandy Loam	Granular	Friable
21-65	2.5Y 5/3 Light Olive Brown	Silt Loam with Redoximorphic features present	Blocky	Firm

ESHW: 21 in. Restrictive Layer: 21 in. Roots: 21 in. Observed H<sub>2</sub>O: None Refusal: None  
Perc. Rate: 12 min. per inch at 20 in



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**Test Pit 104**

Depth (inches)	Color	Textural Classification	Soil Structure	Soil Consistence
0-8	10YR3/3 Dark Brown	Fine Sandy Loam	Granular	Friable
8-16	10YR 5/4 Yellowish Brown	Fine Sandy Loam	Granular	Friable
16-24	10YR3/2 Very Dark Greyish Brown	Fine Sandy Loam	Granular	Friable
24-30	2.5Y5/4 Yellowish Brown	Fine Sandy Loam	Granular	Friable
30-62	2.5Y5/2 Greyish Brown	Silt Loam with Redoximorphic features present	Blocky	Firm

**ESHW: 30 in. Restrictive Layer: 30 in. Roots: 30 in. No Observed H<sub>2</sub>O Refusal: None**  
**Perc. Rate: 10 min. per inch at 24 in.**  
**Note: 0 to 16 inches is fill material.**

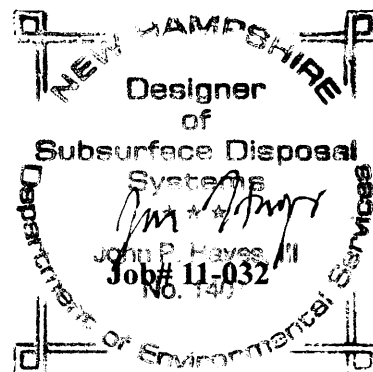
**Test Pit 105**

Depth (inches)	Color	Textural Classification	Soil Structure	Soil Consistence
0-6	10YR 5/4 Yellowish Brown	Sand	Granular	Friable
6-15	10YR3/3 Dark Brown	Fine Sandy Loam	Granular	Friable
15-24	2.5Y5/3 Light Olive Brown	Silt Loam with Redoximorphic features present	Blocky	Firm
24-72	2.5Y5/2 Greyish Brown	Silt Loam with Redoximorphic features present	Blocky	Firm

**ESHW: 15 in. Restrictive Layer: 15 in. Roots: N/A Observed H<sub>2</sub>O: Refusal: None**  
**Note: 0 to 6 inches is fill material.**



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**Rye NH 03870**



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**Witness: Mike Coumo**

**Test Pit 106**

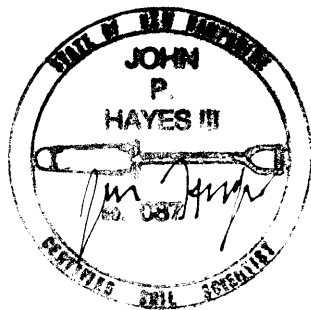
Depth (inches)	Color	Textural Classification	Soil Structure	Soil Consistence
0-11	10YR3/3 Dark Brown	Fine Sandy Loam	Granular	Friable
11-18	10YR 5/6 Yellowish Brown	Fine Sandy Loam	Granular	Friable
18-25	2.5Y5/4 Yellowish Brown	Fine Sandy Loam	Massive	Friable
25-50	2.5Y5/3 Light Olive Brown	Silt Loam with Redoximorphic features present	Blocky	Firm
50-70	2.5Y5/3 Light Olive Brown	Stratified Fine Sand and Silt	Massive	Firm

**ESHW: 25 in. Restrictive Layer: 25 in. Roots: 23 in. Observed H2O: None Refusal: None**  
**Perc. Rate: 12 min. per inch at 22 in.**

**Test Pit 107**

Depth (inches)	Color	Textural Classification	Soil Structure	Soil Consistence
0-8	10YR3/3 Dark Brown	Fine Sandy Loam	Granular	Friable
8-20	10YR 5/6 Yellowish Brown	Fine Sandy Loam	Granular	Friable
20-42	2.5Y5/4 Yellowish Brown	Loamy Fine Sand	Massive	Friable
42-70	2.5Y5/3 Light Olive Brown	Loamy Sand with Redoximorphic features present	Massive	Friable

**ESHW: 42 in. Restrictive Layer: None Roots: 33 in. Observed H2O: None Refusal: None**  
**Perc. Rate: 6 min. per inch at 24 in.**



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**36 Cable Road**  
**Rye NH 03870**



**Test Pit Logs Mill Road Durham, NH 1/22/12**  
**Witness: Mike Coumo**

**Test Pit 108**

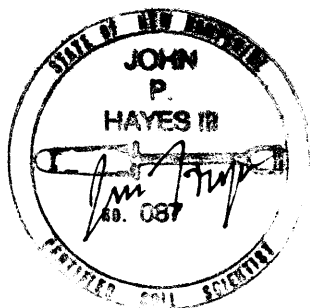
Depth (inches)	Color	Textural Classification	Soil Structure	Soil Consistence
0-8	10YR3/3 Dark Brown	Fine Sandy Loam	Granular	Friable
8-24	10YR 5/6 Yellowish Brown	Fine Sandy Loam	Granular	Friable
24-31	2.5Y5/4 Yellowish Brown	Fine Sandy Loam	Massive	Friable
31-72	2.5Y5/3 Light Olive Brown	Fine Sandy Loam with Redoximorphic features present	Massive	Friable

**ESHWT: 31 in. Restrictive Layer: None Roots: 31 in. No Observed H2O Refusal: None**  
**Perc. Rate: 8 min. per inch at 26 in.**

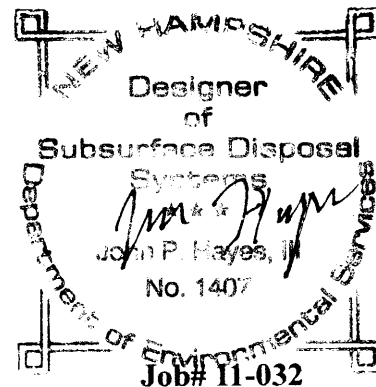
**Test Pit 109**

Depth (inches)	Color	Textural Classification	Soil Structure	Soil Consistence
0-8	10YR3/3 Dark Brown	Fine Sandy Loam	Granular	Friable
8-22	7.5YR 4/6 Strong Brown	Fine Sandy Loam	Granular	Friable
22-45	2.5Y5/4 Yellowish Brown	Fine Sandy Loam	Granular	Friable
45-48	2.5Y5/3 Light Olive Brown	Fine Sandy Loam with Redoximorphic features present	Massive	Friable

**ESHWT: 45 in. Restrictive Layer: 45 in. Roots: 45 in. Observed H2O: None Refusal at 48in.**  
**Perc. Rate: 8 min. per inch at 24 in.**



**John P. Hayes III CSS, CWS, CESSWI**  
**400 Portsmouth Avenue, #1**  
**Greenland, NH 03840**



**Test Pit Logs Mill Road Durham, NH 1/22/12**  
**Witness: Mike Coumo**

**Test Pit 110**

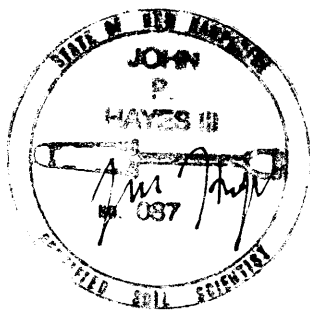
Depth (inches)	Color	Textural Classification	Soil Structure	Soil Consistence
0-10	10YR3/3 Dark Brown	Fine Sandy Loam	Granular	Friable
10-18	2.5Y5/3 Light Olive Brown	Silt Loam	Massive	Ffiable
18-64	2.5Y5/3 Light Olive Brown	Silt Loam with Redoximorphic features present	Blocky	Firm

**ESHWT: 18 in. Restrictive Layer: 18 in. Roots: 18 in. Observed H2O: Refusal: None**

**Test Pit 111**

Depth (inches)	Color	Textural Classification	Soil Structure	Soil Consistance
0-8	10YR3/3 Dark Brown	Fine Sandy Loam	Granular	Friable
8-24	10YR 5/6 Yellowish Brown	Fine Sandy Loam	Granular	Friable
24-30	2.5Y5/4 Yellowish Brown	Fine Sandy Loam	Massive	Friable
30-47	2.5Y5/4 Light Olive Brown	Sandy Loam with Redoximorphic features present	Massive	Firm
47-70	2.5Y5/3 Light Olive Brown	Loam Fine Sand with Redoximorphic features present	Massive	Friable

**ESHWT: 30 in. Restrictive Layer: 30 in. Roots: 30 in. Observed H2O: None Refusal: None**  
**Perc. Rate: 8 min. per inch at 26 in.**



John P. Hayes III CSS, CWS, CESSWI  
36 Cable Road  
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Witness: Mike Coumo



**Test Pit 112**

Depth (inches)	Color	Textural Classification	Soil Structure	Soil Consistence
0-8	10YR3/3 Dark Brown	Fine Sandy Loam	Granular	Friable
8-22	10YR 5/6 Yellowish Brown	Fine Sandy Loam	Granular	Friable
22-30	2.5Y5/4 Yellowish Brown	Fine Sandy Loam	Granular	Friable
30-68	2.5Y5/3 Light Olive Brown	Sandy Loam with Redoximorphic features present	Massive	Friable

ESHW: 30 in. Restrictive Layer: None Roots: 30 in. Observed H<sub>2</sub>O: None Refusal: None  
Perc. Rate: 8 min. per inch at 24 in.

**Test Pit 113**

Depth (inches)	Color	Textural Classification	Soil Structure	Soil Consistence
0-8	10YR3/3 Dark Brown	Fine Sandy Loam	Granular	Friable
8-23	10YR 5/6 Yellowish Brown	Fine Sandy Loam	Granular	Friable
23-30	2.5Y5/4 Yellowish Brown	Fine Sandy Loam	Granular	Friable
30-64	2.5Y5/3 Light Olive Brown	Loamy Fine Sand with Redoximorphic features present	Massive	Friable

ESHW: 30 in. Restrictive Layer: None Roots: 30 in. Observed H<sub>2</sub>O: None Refusal: None  
Perc. Rate: 8 min. per inch at 26 in.

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Job# 11-032

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Witness: Mike Coumo

Test Pit 114

Depth (inches)	Color	Textural Classification	Soil Structure	Soil Consistence
0-8	10YR3/3 Dark Brown	Fine Sandy Loam	Granular	Friable
8-20	10YR 5/6 Yellowish Brown	Fine Sandy Loam	Granular	Friable
20-28	2.5Y5/4 Yellowish Brown	Fine Sandy Loam	Granular	Friable
28-72	2.5Y5/3 Light Olive Brown	Loamy Fine Sand with Redoximorphic features present	Massive	Friable

ESHWT: 28 in. Restrictive Layer: None Roots: 28 in. Observed H2O: None Refusal: None  
Perc. Rate: 8 min. per inch at 26 in.

