

FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: **90 Ann Vinal Road Scituate 409190 LOT 1**

On-site Review

Deep Hole Number: 1

Date 7-5-16

Time: AM

Weather Cloudy 70°

Location (Identify on site plan): TP# 1

Land Use: RESIDENTIAL

Slope (%): 2-3

Surface Stones: YES Stone Walls NO

Vegetation: LAWN

Landform: MORANIE

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: N/A feet

Drainage way: NO feet

Possible Wet Area: NO feet

Property Line: ? feet

Drinking Water Well: N/A feet

Other: __

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0" - 11"	Ap	SANDY LOAM	10 YR 5/3		MASSIVE FRIABLE 1% GRAVEL, 0% STONES
11" - 30"	Bw	SANDY LOAM	10 YR 5/6		5% GRAVEL 1% STONE, SINGLE GRAIN, FRIABLE
30" - 120"	C	SANDY LOAM	2.5 Y 6/3	31" 7.5 YR 5/8	25% GRAVEL, 15% STONE, SINGLE GRAIN FRIABLE

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater:

Standing Water in the Hole:

Weeping from Pit Face: **NONE**

Estimated Seasonal High Ground Water: **31"**



Location Address or Lot No.: *90 Ann Vinal Road Scituate 409190*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*	
Date: <i>7-5-16</i>	Time: <u><i>AM</i></u>

Observation Hole #	<i>1</i>	
Depth of Perc	<i>31" - 49"</i>	
Start Pre-soak	<i>11:10</i>	
End Pre-soak	<i>11:28</i>	
Time at 12"	<i>11:28</i>	
Time at 9"	<i>11:44</i>	
Time at 6"	<i>12:06</i>	
Time (9" -6")	<i>22</i>	
Rate Min./Inch	<i>8</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: XX Site Failed:

Performed By: *ROSS ENGINEERING CO., INC. GREG TANSEY, PE*

Witnessed By: *Ralph H. Cole, SE# 410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: **90 Ann Vinal Road Scituate 409190** *LOT 1*

On-site Review

Deep Hole Number: 2 Date 7-5-16 Time: PM Weather Cloudy 70°

Location (Identify on site plan): TP# 2

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls NO

Vegetation: LAWN

Landform: MORANIE

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: N/A feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other: ___

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0" – 9"	Ap	SANDY LOAM	10 YR 5/3		MASSIVE FRIABLE 1% GRAVEL, 0% STONES
9" – 28"	Bw	SANDY LOAM	10 YR 5/6		5% GRAVEL 1% STONE, SINGLE GRAIN, FRIABLE
28" - 120"	C	SANDY LOAM	2.5 Y 6/3	35" 7.5 YR 5/8	25% GRAVEL, 15% STONE, SINGLE GRAIN, FRIABLE

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: _____ Standing Water in the Hole: _____ Weeping from Pit Face: **120"**
 Estimated Seasonal High Ground Water: **35"**



Location Address or Lot No.: **90 Ann Vinal Road Scituate 409190**

COMMONWEALTH OF MASSACHUSETTS
 SCITUATE, Massachusetts

Percolation Test*	
Date: 7-5-16	Time: <u>PM</u>

Observation Hole #	2	
Depth of Perc	32" - 50"	
Start Pre-soak	12:13	
End Pre-soak	12:28	
Time at 12"	12:28	
Time at 9"	12:44	
Time at 6"	1:06	
Time (9" -6")	22	
Rate Min./Inch	8	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: **XX** Site Failed:

Performed By: **ROSS ENGINEERING CO., INC. GREG TANSEY, PE**

Witnessed By: **Ralph H. Cole, SE# 410**

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: **90 Ann Vinal Road Scituate 409190 LOT 1**

On-site Review

Deep Hole Number: 3 Date **7-5-16** Time: PM Weather **Cloudy 70°**

Location (Identify on site plan): **TP# 3**

Land Use: **RESIDENTIAL** Slope (%): 2-3 Surface Stones: YES Stone Walls NO

Vegetation: LAWN

Landform: MORANIE

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NA feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: NA feet Other:

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0" - 10"	Ap	SANDY LOAM	10 YR 5/3		MASSIVE, FRIABLE 1% GRAVEL, 0% STONES
10" - 28"	Bw	SANDY LOAM	10 YR 5/6		5% GRAVEL 1% STONE, SINGLE GRAIN, FRIABLE
28" - 120"	C	SANDY LOAM	2.5 Y 6/3	30" 7.5 YR 5/8	25% GRAVEL, 15% STONE, SINGLE GRAIN, FRIABLE

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: _____ Standing Water in the Hole: _____ Weeping from Pit Face: **NONE**
 Estimated Seasonal High Ground Water: **30"**



Location Address or Lot No.: *90 Ann Vinal Road Scituate 409190*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*	
Date: <i>7-5-16</i>	Time: <u><i>PM</i></u>

Observation Hole #	<i>3</i>	
Depth of Perc	<i>30" - 48"</i>	
Start Pre-soak	<i>1:48</i>	
End Pre-soak	<i>2:03</i>	
Time at 12"	<i>2:03</i>	
Time at 9"	<i>3:16</i>	
Time at 6"	<i>5:30</i>	
Time (9" -6")	<i>134</i>	
Rate Min./Inch	<i>45</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: Site Failed:

Performed By: *ROSS ENGINEERING CO., INC. GREG TANSEY, PE*

Witnessed By: *Ralph H. Cole, SE# 410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: **90 Ann Vinal Road Scituate 409190 LOT 1**

On-site Review

Deep Hole Number: 4 Date **7-5-16** Time: PM Weather **Cloudy 70°**

Location (Identify on site plan): **TP# 4**

Land Use: **RESIDENTIAL** Slope (%): 2-3 Surface Stones: YES Stone Walls NO

Vegetation: LAWN

Landform: MORANIE

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NA feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: NA feet Other: __

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0" – 11"	Ap	SANDY LOAM	10 YR 5/3		MASSIVE, FRIABLE 1% GRAVEL, 0% STONES
11" – 28"	Bw	SANDY LOAM	10 YR 5/6		5% GRAVEL 1%STONE, SINGLE GRAIN, FRIABLE
28" - 120"	C	SANDY LOAM	2.5 Y 6/3	34" 7.5 YR 5/8	25% GRAVEL, 15% STONE, SINGLE GRAIN, FRIABLE

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: _____ Standing Water in the Hole: _____ Weeping from Pit Face: **120"**
 Estimated Seasonal High Ground Water: **34"**



Location Address or Lot No.: **90 Ann Vinal Road Scituate 409190**

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*	
Date: 7-5-16	Time: <u>PM</u>

Observation Hole #	4	
Depth of Perc	NO PERCOLATION TAKEN	
Start Pre-soak		
End Pre-soak		
Time at 12"		
Time at 9"		
Time at 6"		
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: **XX** Site Failed:

Performed By: **ROSS ENGINEERING CO., INC. GREG TANSEY, PE**

Witnessed By: **Ralph H. Cole, SE# 410**

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 2 408013*

On-site Review

Deep Hole Number: *2-1* Date *9-27-16* Time: *PM* Weather *SUNNY 68°*
 Location (Identify on site plan): *TP# 2-1*
 Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: *YES* Stone Walls *YES*
 Vegetation: *FIELD*
 Landform: *MORaine*
 Position on Landscape (sketch on the back):
 Distances from:
 Open Water Body: *NO* feet Drainage way: *NO* feet
 Possible Wet Area: *NO* feet Property Line: *?* feet
 Drinking Water Well: *N/A* feet Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" - 11"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 3/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>11" - 22"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>22" - 96"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>29" 7.5 YR 5/8</i>	<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>
<i>96" - 121"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA
 Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: Standing Water in the Hole: _____ Weeping from Pit Face: *NONE*
 Estimated Seasonal High Ground Water: *29"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 2 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-27-16</i>		Time: <i>PM</i>
Observation Hole #	<i>2-1</i>	
Depth of Perc	<i>36" - 54"</i>	
Start Pre-soak	<i>12:02</i>	
End Pre-soak	<i>12:17</i>	
Time at 12"	<i>12:17</i>	
Time at 9"	<i>12:42</i>	
Time at 6"	<i>1:30</i>	
Time (9" -6")	<i>48</i>	
Rate Min./Inch	<i>16</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 2 408013*

On-site Review

Deep Hole Number: 2-2 Date 9-27-16 Time: PM Weather CLOUDY 65'

Location (Identify on site plan): TP# 2-2

Land Use: RESIDENTIAL Slope (%):2-3 Surface Stones: YES Stone Walls YES

Vegetation: FIELD

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 12"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 3/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>12" – 24"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>24" – 94"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>27" 7.5 YR 5/8</i>	<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>
<i>94" – 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 27"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 2 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-27-16</i>		Time: <i>PM</i>
Observation Hole #	<i>2-2</i>	
Depth of Perc	<i>50" - 68"</i>	
Start Pre-soak	<i>12:18</i>	
End Pre-soak	<i>12:36</i>	
Time at 12"	<i>12:36</i>	
Time at 9"	<i>12:56</i>	
Time at 6"	<i>1:30</i>	
Time (9" -6")	<i>34</i>	
Rate Min./Inch	<i>12</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 2 408013*

On-site Review

Deep Hole Number: 2-3 Date 9-27-16 Time: PM Weather SUNNY 70°

Location (Identify on site plan): TP# 2-3

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES

Vegetation: FIELD

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet

Drainage way: NO feet

Possible Wet Area: NO feet

Property Line: ? feet

Drinking Water Well: N/A feet

Other:

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 10"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 3/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>10" – 25"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>25" – 90"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>28" 7.5 YR 5/8</i>	<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>
<i>90" – 121"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 28"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 2 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-27-16</i>		Time: <i>PM</i>
Observation Hole #	<i>2-3</i>	
Depth of Perc	<i>44" - 62"</i>	
Start Pre-soak	<i>12:30</i>	
End Pre-soak	<i>12:45</i>	
Time at 12"	<i>12:45</i>	
Time at 9"	<i>1:11</i>	
Time at 6"	<i>2:00</i>	
Time (9" -6")	<i>49</i>	
Rate Min./Inch	<i>17</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 2 408013*

On-site Review

Deep Hole Number: 2-4 Date *9-27-16* Time: PM Weather *SUNNY 68°*
 Location (Identify on site plan): *TP# 2-4*
 Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: YES Stone Walls YES
 Vegetation: FIELD
 Landform: MORaine
 Position on Landscape (sketch on the back):
 Distances from:
 Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 9"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 3/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>9" – 24"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>24" – 93"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>26" 7.5 YR 5/8</i>	<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>
<i>93" – 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: Standing Water in the Hole: _____ Weeping from Pit Face: NONE
 Estimated Seasonal High Ground Water: *26"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 2 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-27-16</i>		Time: <i>PM</i>
Observation Hole #	<i>2-4</i>	
Depth of Perc	<i>EXPANSION AREA</i>	
Start Pre-soak		
End Pre-soak		
Time at 12"		
Time at 9"		
Time at 6"		
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 3 408013*

On-site Review

Deep Hole Number: 3-1 Date 9-27-16 Time: PM Weather SUNNY 68^o

Location (Identify on site plan): TP# 3-1

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES

Vegetation: FIELD

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other: __

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" - 11"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 3/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>11" - 26"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>26" - 90"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>35" 7.5 YR 5/8</i>	<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>
<i>90" - 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 35"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 3 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-27-16</i>		Time: <i>PM</i>
Observation Hole #	<i>3-1</i>	
Depth of Perc	<i>42" -60"</i>	
Start Pre-soak	<i>1:53</i>	
End Pre-soak	<i>2:08</i>	
Time at 12"	<i>2:08</i>	
Time at 9"	<i>2:42</i>	
Time at 6"	<i>3:44</i>	
Time (9" -6")	<i>62</i>	
Rate Min./Inch	<i>22</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 3 408013*

On-site Review

Deep Hole Number: 3-2 Date 9-27-16 Time: PM Weather SUNNY 68°

Location (Identify on site plan): TP# 3-2

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES

Vegetation: FIELD

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet

Drainage way: NO feet

Possible Wet Area: NO feet

Property Line: ? feet

Drinking Water Well: N/A feet

Other: __

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 12"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 3/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>12" – 30"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>30" – 90"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>38" 7.5 YR 5/8</i>	<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>
<i>90" – 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 38"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 3 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-27-16</i>		Time: <i>PM</i>
Observation Hole #	<i>3-2</i>	
Depth of Perc	<i>39" - 57"</i>	
Start Pre-soak	<i>2:52</i>	
End Pre-soak	<i>3:09</i>	
Time at 12"	<i>3:09</i>	
Time at 9"	<i>4:02</i>	
Time at 6"	<i>5:15</i>	
Time (9" -6")	<i>73</i>	
Rate Min./Inch	<i>25</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 3 408013*

On-site Review

Deep Hole Number: *3-3* Date *9-27-16* Time: *PM* Weather *SUNNY 68^o*

Location (Identify on site plan): *TP# 3-3*

Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: *YES* Stone Walls *YES*

Vegetation: *FIELD*

Landform: *MORaine*

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: *NO* feet

Drainage way: *NO* feet

Possible Wet Area: *NO* feet

Property Line: *?* feet

Drinking Water Well: *N/A* feet

Other:

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" - 8"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 3/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>8" - 21"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>21" - 89"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>29" 7.5 YR 5/8</i>	<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>
<i>89" - 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: *NONE*

Estimated Seasonal High Ground Water: *29"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 3 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-27-16</i>		Time: <i>PM</i>
Observation Hole #	<i>3-3</i>	
Depth of Perc	<i>EXPANSION AREA</i>	
Start Pre-soak		
End Pre-soak		
Time at 12"		
Time at 9"		
Time at 6"		
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 3 408013*

On-site Review

Deep Hole Number: *3-4* Date *9-27-16* Time: *PM* Weather *SUNNY 68°*

Location (Identify on site plan): *TP# 3-4*

Land Use: *RESIDENTIAL* Slope (%):*2-3* Surface Stones: *YES* Stone Walls *YES*

Vegetation: *FIELD*

Landform: *MORaine*

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: *NO* feet Drainage way: *NO* feet
 Possible Wet Area: *NO* feet Property Line: *?* feet
 Drinking Water Well: *N/A* feet Other:

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" - 11"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 3/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>11" - 24"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>24" - 87"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>31" 7.5 YR 5/8</i>	<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>
<i>87" - 121"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: *NONE*

Estimated Seasonal High Ground Water: *31"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 3 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-27-16</i>		Time: <i>PM</i>
Observation Hole #	<i>3-4</i>	
Depth of Perc	<i>48" - 66"</i>	
Start Pre-soak	<i>2:07</i>	
End Pre-soak	<i>2:29</i>	
Time at 12"	<i>2:29</i>	
Time at 9"	<i>2:57</i>	
Time at 6"	<i>3:48</i>	
Time (9" -6")	<i>51</i>	
Rate Min./Inch	<i>17</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 4 408013*

On-site Review

Deep Hole Number: 4-1 Date 9-29f-16 Time: PM Weather SUNNY 68^o

Location (Identify on site plan): TP# 4-1

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES

Vegetation: FIELD

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other: __

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 11"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>11" – 28"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>24" – 82"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>28" 7.5 YR 5/8</i>	<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>
<i>82" – 120"</i>	<i>C₂</i>	<i>LOAMY SAND</i>	<i>2.5 Y 6/4</i>		<i>35% GRAVEL, 5% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 28"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 4 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-27-16</i>		Time: <i>PM</i>
Observation Hole #	<i>4-1</i>	
Depth of Perc	<i>52" - 70"</i>	
Start Pre-soak	<i>10:07</i>	
End Pre-soak	<i>10:22</i>	
Time at 12"	<i>10:22</i>	
Time at 9"	<i>10:58</i>	
Time at 6"	<i>12:03</i>	
Time (9" -6")	<i>65</i>	
Rate Min./Inch	<i>22</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 4 408013*

On-site Review

Deep Hole Number: *4-2* Date *9-27-16* Time: *PM* Weather *SUNNY 68°*

Location (Identify on site plan): *TP# 4-2*

Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: *YES* Stone Walls *YES*

Vegetation: *FIELD*

Landform: *MORaine*

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: *NO* feet Drainage way: *NO* feet
 Possible Wet Area: *NO* feet Property Line: *?* feet
 Drinking Water Well: *N/A* feet Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 10"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>10" – 20"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>20" – 84"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>23" 7.5 YR 5/8</i>	<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>
<i>84" – 120"</i>	<i>C₂</i>	<i>LOAMY SAND</i>	<i>2.5 Y 6/4</i>		<i>35% GRAVEL, 5% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: *NONE*

Estimated Seasonal High Ground Water: *23"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 4 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-27-16</i>		Time: <i>PM</i>
Observation Hole #	<i>4-2</i>	
Depth of Perc	<i>48" - 66"</i>	
Start Pre-soak	<i>10:35</i>	
End Pre-soak	<i>10:50</i>	
Time at 12"	<i>10:50</i>	
Time at 9"	<i>11:21</i>	
Time at 6"	<i>12:04</i>	
Time (9" -6")	<i>43</i>	
Rate Min./Inch	<i>15</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 4 408013*

On-site Review

Deep Hole Number: *4-3* Date *9-29-16* Time: *AM* Weather *CLOUDY 68^o*

Location (Identify on site plan): *TP# 4-3*

Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: *YES* Stone Walls *YES*

Vegetation: *FIELD*

Landform: *MORaine*

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: *NO* feet Drainage way: *NO* feet
 Possible Wet Area: *NO* feet Property Line: *?* feet
 Drinking Water Well: *N/A* feet Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" - 11"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>11" - 22"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>22" - 82"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>36" 7.5 YR 5/8</i>	<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>
<i>82" - 120"</i>	<i>C₂</i>	<i>LOAMY SAND</i>	<i>2.5 Y 5/4</i>		<i>35% GRAVEL, 5% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: Standing Water in the Hole: _____ Weeping from Pit Face: *NONE*
 Estimated Seasonal High Ground Water: *36"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 4 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-29-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>4-3</i>	
Depth of Perc	<i>33" - 51"</i>	
Start Pre-soak	<i>11:23</i>	
End Pre-soak	<i>11:38</i>	
Time at 12"	<i>11:38</i>	
Time at 9"	<i>12:04</i>	
Time at 6"	<i>12:36</i>	
Time (9" -6")	<i>32</i>	
Rate Min./Inch	<i>11</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 4 408013*

On-site Review

Deep Hole Number: *4-4* Date *9-29-16* Time: *AM* Weather *SUNNY 68°*

Location (Identify on site plan): *TP# 4-4*

Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: *YES* Stone Walls *YES*

Vegetation: *FIELD*

Landform: *MORaine*

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: *NO* feet Drainage way: *NO* feet
 Possible Wet Area: *NO* feet Property Line: *?* feet
 Drinking Water Well: *N/A* feet Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 10"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>10" – 20"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>20" – 86"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>35" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>86" – 120"</i>	<i>C₂</i>	<i>LOAMY SAND</i>	<i>2.5 Y 6/4</i>		<i>20% GRAVEL, 10% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: *NONE*

Estimated Seasonal High Ground Water: *35"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 4 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-29-16</i>		Time: <i>PM</i>
Observation Hole #	<i>4-4</i>	
Depth of Perc	<i>EXPANSION AREA</i>	
Start Pre-soak		
End Pre-soak		
Time at 12"		
Time at 9"		
Time at 6"		
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 5 408013*

On-site Review

Deep Hole Number: *5-1* Date *9-27-16* Time: *AM* Weather *CLOUDY 55°*

Location (Identify on site plan): *TP# 5-1*

Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: *YES* Stone Walls *YES*

Vegetation: *FIELD*

Landform: *MORaine*

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: *NO* feet

Drainage way: *NO* feet

Possible Wet Area: *NO* feet

Property Line: *?* feet

Drinking Water Well: *N/A* feet

Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 8"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>8" – 23"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>23" – 83"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>29" 7.5 YR 5/8</i>	<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>
<i>83" – 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: *NONE*

Estimated Seasonal High Ground Water: *29"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 5 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-29-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>5-1</i>	
Depth of Perc	<i>48" - 66"</i>	
Start Pre-soak	<i>9:15</i>	
End Pre-soak	<i>9:30</i>	
Time at 12"	<i>9:30</i>	
Time at 9"	<i>10:18</i>	
Time at 6"	<i>11:41</i>	
Time (9" -6")	<i>83</i>	
Rate Min./Inch	<i>28</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 5 408013*

On-site Review

Deep Hole Number: *5-2* Date *9-27-16* Time: *AM* Weather *CLOUDY 55°*

Location (Identify on site plan): *TP# 5-2*

Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: *YES* Stone Walls *YES*

Vegetation: *FIELD*

Landform: *MORaine*

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: *NO* feet

Drainage way: *NO* feet

Possible Wet Area: *NO* feet

Property Line: *?* feet

Drinking Water Well: *N/A* feet

Other:

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" - 10"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>10" - 24"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>24" - 94"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>27" 7.5 YR 5/8</i>	<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>
<i>94" - 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: *NONE*

Estimated Seasonal High Ground Water: *27"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 4 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-29-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>5-2</i>	
Depth of Perc	<i>44" - 62"</i>	
Start Pre-soak	<i>9:30</i>	
End Pre-soak	<i>9:45</i>	
Time at 12"	<i>9:45</i>	
Time at 9"	<i>10:37</i>	
Time at 6"	<i>11:50</i>	
Time (9" -6")	<i>83</i>	
Rate Min./Inch	<i>28</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 5 408013*

On-site Review

Deep Hole Number: *5-3* Date *9-29-16* Time: *AM* Weather *CLOUDY 55°*

Location (Identify on site plan): *TP# 5-3*

Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: *YES* Stone Walls *YES*

Vegetation: *FIELD*

Landform: *MORaine*

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: *NO* feet

Drainage way: *NO* feet

Possible Wet Area: *NO* feet

Property Line: *?* feet

Drinking Water Well: *N/A* feet

Other:

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 11"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>11" – 24"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>24" – 78"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>28" 7.5 YR 5/8</i>	<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>
<i>78" – 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: *NONE*

Estimated Seasonal High Ground Water: *28"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 4 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-29-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>5-3</i>	
Depth of Perc	<i>32" - 50"</i>	
Start Pre-soak	<i>11:43</i>	
End Pre-soak	<i>11:58</i>	
Time at 12"	<i>11:58</i>	
Time at 9"	<i>12:12</i>	
Time at 6"	<i>12:31</i>	
Time (9" -6")	<i>19</i>	
Rate Min./Inch	<i>7</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 5 408013*

On-site Review

Deep Hole Number: *5-4* Date *9-29-16* Time: *AM* Weather *CLOUDY 55°*

Location (Identify on site plan): *TP# 5-4*

Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: *YES* Stone Walls *YES*

Vegetation: *FIELD*

Landform: *MORaine*

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: *NO* feet

Drainage way: *NO* feet

Possible Wet Area: *NO* feet

Property Line: *?* feet

Drinking Water Well: *N/A* feet

Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 8"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>8" – 23"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>23" – 83"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>29" 7.5 YR 5/8</i>	<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>
<i>83" – 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: *NONE*

Estimated Seasonal High Ground Water: *29"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 5 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-29-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>5-4</i>	
Depth of Perc	<i>EXPANSION AREA</i>	
Start Pre-soak		
End Pre-soak		
Time at 12"		
Time at 9"		
Time at 6"		
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 6 408013*

On-site Review

Deep Hole Number: *6-1* Date *9-29-16* Time: *AM* Weather *CLOUDY 60°*

Location (Identify on site plan): *TP# 6-1*

Land Use: *RESIDENTIAL* Slope (%):*2-3* Surface Stones: *YES* Stone Walls *YES*

Vegetation: *FIELD*

Landform: *MORaine*

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: *NO* feet

Drainage way: *NO* feet

Possible Wet Area: *NO* feet

Property Line: *?* feet

Drinking Water Well: *N/A* feet

Other:

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" - 12"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>12" - 24"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>24" - 90"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>45" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>90" - 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: *NONE*

Estimated Seasonal High Ground Water: *45"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 6 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-29-16</i>		Time: <i>PM</i>
Observation Hole #	<i>6-1</i>	
Depth of Perc	<i>54" - 72"</i>	
Start Pre-soak	<i>1:14</i>	
End Pre-soak	<i>1:29</i>	
Time at 12"	<i>1:29</i>	
Time at 9"	<i>1:34</i>	
Time at 6"	<i>1:44</i>	
Time (9" -6")	<i>10</i>	
Rate Min./Inch	<i>4</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 6 408013*

On-site Review

Deep Hole Number: *6-2* Date *9-29-16* Time: *AM* Weather *CLOUDY 60°*

Location (Identify on site plan): *TP# 6-2*

Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: *YES* Stone Walls *YES*

Vegetation: *FIELD*

Landform: *MORaine*

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: *NO* feet

Drainage way: *NO* feet

Possible Wet Area: *NO* feet

Property Line: *?* feet

Drinking Water Well: *N/A* feet

Other:

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" - 9"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>9" - 22"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>22" - 94"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>31" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>94" - 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: *NONE*

Estimated Seasonal High Ground Water: *31"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 6 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-29-16</i>		Time: <i>PM</i>
Observation Hole #	<i>6-2</i>	<i>6-2</i>
Depth of Perc	<i>39" - 57"</i>	<i>44" - 62"</i>
Start Pre-soak	<i>2:02</i>	<i>3:30</i>
End Pre-soak	<i>2:17</i>	<i>3:45</i>
Time at 12"	<i>2:17</i>	<i>3:45</i>
Time at 9"	<i>CAVE IN STOP TEST</i>	<i>4:09</i>
Time at 6"		<i>5:03</i>
Time (9" -6")		<i>54</i>
Rate Min./Inch		<i>18</i>

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 6 408013*

On-site Review

Deep Hole Number: 6-3 Date 9-29-16 Time: AM Weather CLOUDY 60°

Location (Identify on site plan): TP# 6-3

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES

Vegetation: FIELD

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet

Drainage way: NO feet

Possible Wet Area: NO feet

Property Line: ? feet

Drinking Water Well: N/A feet

Other: __

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" - 9"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>9" - 18"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>18" - 89"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>32" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>89" - 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 32"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 6 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-29-16</i>		Time: <i>PM</i>
Observation Hole #	<i>6-3</i>	
Depth of Perc	<i>42" - 60"</i>	
Start Pre-soak	<i>1:24</i>	
End Pre-soak	<i>1:39</i>	
Time at 12"	<i>1:39</i>	
Time at 9"	<i>1:47</i>	
Time at 6"	<i>2:03</i>	
Time (9" -6")	<i>16</i>	
Rate Min./Inch	<i>6</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 6 408013*

On-site Review

Deep Hole Number: *6-4* Date *9-29-16* Time: *AM* Weather *CLOUDY 60°*

Location (Identify on site plan): *TP# 6-4*

Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: *YES* Stone Walls *YES*

Vegetation: *FIELD*

Landform: *MORaine*

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: *NO* feet

Drainage way: *NO* feet

Possible Wet Area: *NO* feet

Property Line: *?* feet

Drinking Water Well: *N/A* feet

Other:

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" - 9"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>9" - 21"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>21" - 85"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>34" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>85" - 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: *NONE*

Estimated Seasonal High Ground Water: *34"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 6 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-29-16</i>		Time: <i>PM</i>
Observation Hole #	<i>6-4</i>	
Depth of Perc		
Start Pre-soak		
End Pre-soak		
Time at 12"		
Time at 9"		
Time at 6"		
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 7 408013*

On-site Review

Deep Hole Number: 7-1 Date 9-15-16 Time: AM Weather SUNNY 70°

Location (Identify on site plan): TP# 7-1

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES

Vegetation: WOODS

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other:

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 11"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>11" – 23"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>23" – 76"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>41" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>76" – 130"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 41"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 7 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-15-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>7-1</i>	
Depth of Perc	<i>78 - 96</i>	
Start Pre-soak	<i>12:04</i>	
End Pre-soak	<i>12:19</i>	
Time at 12"	<i>12:19</i>	
Time at 9"	<i>1:44</i>	
Time at 6"	<i>4:21</i>	
Time (9" -6")	<i>157</i>	
Rate Min./Inch	<i>53</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed:

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 7 408013*

On-site Review

Deep Hole Number: 7-2 Date 9-16-16 Time: AM Weather SUNNY 70°

Location (Identify on site plan): TP# 7-2

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES

Vegetation: WOODS

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other: __

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 10"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>10" – 17"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>17" – 60"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>24" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>60" – 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic): Depth to Bedrock:
 Depth to Groundwater: Standing Water in the Hole: Weeping from Pit Face: NONE
 Estimated Seasonal High Ground Water: 24"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 7 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-16-16</i>		Time: <i>AM</i>
Observation Hole #	<i>7-2</i>	
Depth of Perc	<i>72 - 90</i>	
Start Pre-soak	<i>1:38</i>	
End Pre-soak	<i>1:53</i>	
Time at 12"	<i>1:53</i>	
Time at 9"	<i>Test stopped by engineer</i>	
Time at 6"		
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed:

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 7 408013*

On-site Review

Deep Hole Number: 7-3 Date 9-15-16 Time: AM Weather SUNNY 70°

Location (Identify on site plan): TP# 7-3

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES

Vegetation: WOODS

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other: __

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 10"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>10" – 24"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>24" – 76"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>32" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>76" – 129"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 32"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 7 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-16-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>7-3</i>	
Depth of Perc	<i>75" - 93"</i>	
Start Pre-soak	<i>10:00</i>	
End Pre-soak	<i>10:15</i>	
Time at 12"	<i>10:15</i>	
Time at 9"	<i>12:03</i>	<i>DROP LESS THAN 1"</i>
Time at 6"	<i>Engineer stop test</i>	
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed: *XX*

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 7 408013*

On-site Review

Deep Hole Number: 7-4 Date 9-16-16 Time: AM Weather SUNNY 70°

Location (Identify on site plan): TP# 7-4

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES

Vegetation: WOODS

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other: __

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 8"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>8" – 22"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>22" – 66"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>34" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>66" – 124"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 34"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 7 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-16-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>7-4</i>	
Depth of Perc	<i>70" - 88"</i>	
Start Pre-soak	<i>11:03</i>	
End Pre-soak	<i>11:18</i>	
Time at 12"	<i>11:18</i>	
Time at 9"	<i>12:36</i>	
Time at 6"	<i>3:32</i>	
Time (9" -6")	<i>174</i>	
Rate Min./Inch	<i>58</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed:

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 7 408013*

On-site Review

Deep Hole Number: 7-5 Date 9-30-16 Time: AM Weather CLOUDY 55°

Location (Identify on site plan): TP# 7-5

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES

Vegetation: WOODS

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet

Drainage way: NO feet

Possible Wet Area: NO feet

Property Line: ? feet

Drinking Water Well: N/A feet

Other: __

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 8"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>8" – 20"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>20" – 72"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>23" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>72" – 128"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 23"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 7 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-30-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>7-5</i>	
Depth of Perc	<i>124 - 142"</i>	
Start Pre-soak	<i>9:42</i>	
End Pre-soak	<i>10:01</i>	
Time at 12"	<i>10:01</i>	
Time at 9"	<i>11:43</i>	
Time at 6"	<i>1:23</i>	
Time (9" -6")	<i>ENGINEER STOP TEST</i>	<i>DROP TO 7 3/4</i>
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed: *XX*

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 7 408013*

On-site Review

Deep Hole Number: 7-6 Date 9-30-16 Time: PM Weather CLOUDY 57°

Location (Identify on site plan): TP# 7-6

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES

Vegetation: FIELD

Landform: MORAINES

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 9"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>9" – 18"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>18" – 72"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>32" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>72" – 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: Standing Water in the Hole: _____ Weeping from Pit Face: NONE
 Estimated Seasonal High Ground Water: 32"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 7 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>10-5-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>7-6</i>	
Depth of Perc	<i>50" - 68"</i>	
Start Pre-soak	<i>10:37</i>	
End Pre-soak	<i>10:52</i>	
Time at 12"	<i>10:52</i>	
Time at 9"	<i>10:59</i>	
Time at 6"	<i>11:12</i>	
Time (9" -6")	<i>13</i>	
Rate Min./Inch	<i>5</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 7 408013*

On-site Review

Deep Hole Number: 7-7 Date 9-30-16 Time: AM Weather CLOUDY 58°

Location (Identify on site plan): TP# 7-7

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES

Vegetation: WOODS

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet

Drainage way: NO feet

Possible Wet Area: NO feet

Property Line: ? feet

Drinking Water Well: N/A feet

Other: __

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" - 9"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>9" - 20"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>20" - 73"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>34" 7.5 YR 5/8</i>	<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>
<i>73" - 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 34"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 7 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>10-5-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>7-7</i>	
Depth of Perc	<i>34" - 52"</i>	
Start Pre-soak	<i>9:24</i>	
End Pre-soak	<i>9:39</i>	
Time at 12"	<i>9:39</i>	
Time at 9"	<i>10:30</i>	
Time at 6"	<i>11:53</i>	
Time (9" -6")	<i>83</i>	
Rate Min./Inch	<i>28</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 8 408013*

On-site Review

Deep Hole Number: *8-1* Date *9-14-16* Time: *AM* Weather *SUNNY 70°*
 Location (Identify on site plan): *TP# 8-1*
 Land Use: *RESIDENTIAL* Slope (%):*2-3* Surface Stones: *YES* Stone Walls *YES*
 Vegetation: *WOODS*
 Landform: *MORaine*
 Position on Landscape (sketch on the back):
 Distances from:
 Open Water Body: *NO* feet Drainage way: *NO* feet
 Possible Wet Area: *NO* feet Property Line: *?* feet
 Drinking Water Well: *N/A* feet Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 9"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>9" – 25"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>25" – 104"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>32" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>104" – 121"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA
 Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: Standing Water in the Hole: _____ Weeping from Pit Face: *NONE*
 Estimated Seasonal High Ground Water: *32"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 8 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-14-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>8-1</i>	
Depth of Perc	<i>60" - 78"</i>	
Start Pre-soak	<i>1:18</i>	
End Pre-soak	<i>1:33</i>	
Time at 12"	<i>1:33</i>	
Time at 9"	<i>3:30</i>	<i>DROP LESS THAN 1"</i>
Time at 6"		
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed: *XX*

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments: *NEED MORE TESTING*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 8 408013*

On-site Review

Deep Hole Number: 8-2 Date *9-14-16* Time: AM Weather *SUNNY 70^o*

Location (Identify on site plan): *TP# 8-2*

Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: YES Stone Walls YES

Vegetation: WOODS

Landform: MORAINES

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet

Drainage way: NO feet

Possible Wet Area: NO feet

Property Line: ? feet

Drinking Water Well: N/A feet

Other:

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" - 7"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>7" - 27"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>27" - 86"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>33" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>86" - 121"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 33"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 8 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-15-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>8-2</i>	
Depth of Perc	<i>89" - 107"</i>	
Start Pre-soak	<i>10:20</i>	
End Pre-soak	<i>10:35</i>	
Time at 12"	<i>10:35</i>	
Time at 9"	<i>1:04</i>	<i>DROP LESS THAN 1"</i>
Time at 6"		
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed: *XX*

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments: *NEED MORE TESTING*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 8 408013*

On-site Review

Deep Hole Number: 8-3 Date *9-14-16* Time: AM Weather *SUNNY 75°*

Location (Identify on site plan): *TP# 8-3*

Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: YES Stone Walls YES

Vegetation: WOODS

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet

Drainage way: NO feet

Possible Wet Area: NO feet

Property Line: ? feet

Drinking Water Well: N/A feet

Other:

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 9"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>9" – 22"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>22" – 76"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>28" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>76" – 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: *28"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 8 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-15-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>8-3</i>	
Depth of Perc	<i>89" - 107"</i>	
Start Pre-soak	<i>10:00</i>	
End Pre-soak	<i>10:15</i>	
Time at 12"	<i>10:15</i>	
Time at 9"	<i>1:25</i>	
Time at 6"		
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed: *XX*

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments: *NEED MORE TESTING*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 8 408013*

On-site Review

Deep Hole Number: 8-4 Date 9-14-16 Time: AM Weather SUNNY 70°
 Location (Identify on site plan): TP# 8-4
 Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES
 Vegetation: WOODS
 Landform: MORaine
 Position on Landscape (sketch on the back):
 Distances from:
 Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 7"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>7" – 24"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>24" – 74"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>26" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>74" – 121"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA
 Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: Standing Water in the Hole: _____ Weeping from Pit Face: NONE
 Estimated Seasonal High Ground Water: 26"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 8 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-15-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>8-4</i>	
Depth of Perc	<i>84" - 102"</i>	
Start Pre-soak	<i>1:40</i>	
End Pre-soak	<i>1:55</i>	
Time at 12"	<i>1:55</i>	
Time at 9"	<i>3:55</i>	<i>TEST STOPPED BY ENGINEER</i>
Time at 6"		
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed: *XX*

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments: *NEED MORE TESTING*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 8 408013*

On-site Review

Deep Hole Number: 8-5 Date 9-16-16 Time: AM Weather SUNNY 70^o
 Location (Identify on site plan): TP# 8-5
 Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES
 Vegetation: WOODS
 Landform: MORAINES
 Position on Landscape (sketch on the back):
 Distances from:
 Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 8"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>8" – 26"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>26" – 76"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>28" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>76" – 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: Standing Water in the Hole: _____ Weeping from Pit Face: NONE
 Estimated Seasonal High Ground Water: 28"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 8 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-15-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>8-5</i>	
Depth of Perc		
Start Pre-soak		
End Pre-soak		
Time at 12"		
Time at 9"		
Time at 6"		
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed:

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments: *NEED MORE TESTING*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 8 408013*

On-site Review

Deep Hole Number: *8-6* Date *9-14-16* Time: *AM* Weather *SUNNY 70^o*

Location (Identify on site plan): *TP# 8-6*

Land Use: *RESIDENTIAL* Slope (%):*2-3* Surface Stones: *YES* Stone Walls *YES*

Vegetation: *WOODS*

Landform: *MORaine*

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: *NO* feet

Drainage way: *NO* feet

Possible Wet Area: *NO* feet

Property Line: *?* feet

Drinking Water Well: *N/A* feet

Other:

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 9"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>9" – 22"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>22" – 69"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>31" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>69" – 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: *NONE*

Estimated Seasonal High Ground Water: *31"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 8 408013*

On-site Review

Deep Hole Number: 8-6 Date *9-14-16* Time: AM Weather *SUNNY 70°*
 Location (Identify on site plan): *TP# 8-6*
 Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: YES Stone Walls YES
 Vegetation: WOODS
 Landform: MORaine
 Position on Landscape (sketch on the back):
 Distances from:
 Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other: __

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 9"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>9" – 22"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>22" – 69"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>31" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>69" – 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA
 Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: Standing Water in the Hole: _____ Weeping from Pit Face: NONE
 Estimated Seasonal High Ground Water: *31"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 8 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-15-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>8-6</i>	
Depth of Perc	<i>74" - 92"</i>	
Start Pre-soak	<i>2:55</i>	
End Pre-soak	<i>3:14</i>	
Time at 12"	<i>3:14</i>	
Time at 9"	<i>4:16</i>	
Time at 6"	<i>LESS THAN 1"</i>	
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed: *XX*

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments: *NEED MORE TESTING*



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 8 408013*

On-site Review

Deep Hole Number: 8-7 Date 9-30-16 Time: AM Weather CLOUDY 57°

Location (Identify on site plan): TP# 8-7

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES

Vegetation: WOODS/FIELD

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet

Drainage way: NO feet

Possible Wet Area: NO feet

Property Line: ? feet

Drinking Water Well: N/A feet

Other:

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 10"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>10" – 20"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>20" – 76"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>42" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>76" – 124"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 42"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 8 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-30-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>8-7</i>	
Depth of Perc	<i>53" - 71"</i>	
Start Pre-soak	<i>11:22</i>	
End Pre-soak	<i>11:37</i>	
Time at 12"	<i>11:37</i>	
Time at 9"	<i>12:43</i>	
Time at 6"	<i>2:51</i>	
Time (9" -6")	<i>128</i>	
Rate Min./Inch	<i>43</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: XX Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 8 408013*

On-site Review

Deep Hole Number: 8-8 Date 9-30-16 Time: AM Weather SUNNY 70°
 Location (Identify on site plan): TP# 8-8
 Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES
 Vegetation: FIELD
 Landform: MORaine
 Position on Landscape (sketch on the back):
 Distances from:
 Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other: __

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 9"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>9" – 20"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>20" – 84"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>32" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>84" – 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: Standing Water in the Hole: _____ Weeping from Pit Face: NONE
 Estimated Seasonal High Ground Water: 32"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 8 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>9-30-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>8-8</i>	
Depth of Perc	<i>32" - 50"</i>	
Start Pre-soak	<i>12:42</i>	
End Pre-soak	<i>12:57</i>	
Time at 12"	<i>12:57</i>	
Time at 9"	<i>3:00</i>	
Time at 6"	<i>ENGINEER STOP TEST</i>	
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed: *XX* _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments: *NEED MORE TESTING*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 8 408013*

On-site Review

Deep Hole Number: 8-9 Date *10-5-16* Time: AM Weather *SUNNY 70°*
 Location (Identify on site plan): *TP# 8-9*
 Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: YES Stone Walls YES
 Vegetation: WOODS
 Landform: MORaine
 Position on Landscape (sketch on the back):
 Distances from:
 Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 10"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>10" – 20"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>20" – 96"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>36" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>96" – 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: Standing Water in the Hole: _____ Weeping from Pit Face: NONE
 Estimated Seasonal High Ground Water: 36"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 8 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>10-5-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>8-9</i>	
Depth of Perc	<i>36" - 54"</i>	
Start Pre-soak	<i>11:02</i>	
End Pre-soak	<i>11:17</i>	
Time at 12"	<i>11:17</i>	
Time at 9"	<i>12:59</i>	
Time at 6"	<i>ENGINEER STOP TEST</i>	
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed: *XX* _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments: *NEED MORE TESTING*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 8 408013*

On-site Review

Deep Hole Number: 8-10 Date 10-6-16 Time: AM Weather SUNNY 60°

Location (Identify on site plan): TP# 8-10

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES

Vegetation: FIELD

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 8"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>8" – 23"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>23" – 79"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>36" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>79" – 122"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 36"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 8 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>10-6-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>8-10</i>	
Depth of Perc	<i>30" - 48"</i>	
Start Pre-soak	<i>9:36</i>	
End Pre-soak	<i>9:51</i>	
Time at 12"	<i>9:51</i>	
Time at 9"	<i>10:14</i>	
Time at 6"	<i>10:49</i>	
Time (9" -6")	<i>35</i>	
Rate Min./Inch	<i>12</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 8 408013*

On-site Review

Deep Hole Number: *8-11* Date *10-5-16* Time: *AM* Weather *SUNNY 60°*

Location (Identify on site plan): *TP# 8-11*

Land Use: *RESIDENTIAL* Slope (%):*2-3* Surface Stones: *YES* Stone Walls *YES*

Vegetation: *FIELD*

Landform: *MORaine*

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: *NO* feet

Drainage way: *NO* feet

Possible Wet Area: *NO* feet

Property Line: *?* feet

Drinking Water Well: *N/A* feet

Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Motting	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 8"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>8" – 23"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>23" – 79"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>35" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>79" – 122"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: *NONE*

Estimated Seasonal High Ground Water: *35"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 8 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>10-5-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>8-11</i>	
Depth of Perc	<i>25" - 43"</i>	
Start Pre-soak	<i>11:00</i>	
End Pre-soak	<i>11:15</i>	
Time at 12"	<i>11:15</i>	
Time at 9"	<i>11:33</i>	
Time at 6"	<i>11:51</i>	
Time (9" -6")	<i>18</i>	
Rate Min./Inch	<i>6</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 9 408013*

On-site Review

Deep Hole Number: 9-1 Date 8-31-16 Time: AM Weather SUNNY 60°
 Location (Identify on site plan): TP# 9-1
 Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES
 Vegetation: WOODS
 Landform: MORaine
 Position on Landscape (sketch on the back):
 Distances from:
 Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 8"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 4/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>8" – 20"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/4</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>20" – 120"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 5/6</i>	<i>36" 7.5 YR 5/8</i>	<i>35% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM IN PLACE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: Standing Water in the Hole: _____ Weeping from Pit Face: NONE
 Estimated Seasonal High Ground Water: 36"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 9 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>8-31-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>9-1</i>	
Depth of Perc	<i>47" – 65"</i>	
Start Pre-soak	<i>11:20</i>	
End Pre-soak	<i>11:38</i>	
Time at 12"	<i>11:38</i>	
Time at 9"	<i>1:11 DROP 1"</i>	
Time at 6"		
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed: *XX*

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments: *NEED MORE TESTING*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 9 408013*

On-site Review

Deep Hole Number: 9-2 Date 9-30-16 Time: PM Weather SUNNY 68^o
 Location (Identify on site plan): TP# 9-2
 Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES
 Vegetation: WOODS
 Landform: MORaine
 Position on Landscape (sketch on the back):
 Distances from:
 Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 10"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>10" – 21"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>21" – 78"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>41" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>78" – 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA
 Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: Standing Water in the Hole: _____ Weeping from Pit Face: NONE
 Estimated Seasonal High Ground Water: 41"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 9 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>10-6-16</i>		Time: <u><i>PM</i></u>
Observation Hole #	<i>9-2</i>	
Depth of Perc	<i>28" - 46"</i>	
Start Pre-soak	<i>1:00</i>	
End Pre-soak	<i>1:15</i>	
Time at 12"	<i>1:15</i>	
Time at 9"	<i>1:31</i>	
Time at 6"	<i>2:07</i>	
Time (9" -6")	<i>36</i>	
Rate Min./Inch	<i>12</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 9 408013*

On-site Review

Deep Hole Number: 9-3 Date *10-5-16* Time: PM Weather *SUNNY 65^o*

Location (Identify on site plan): *TP# 9-2*

Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: YES Stone Walls YES

Vegetation: WOODS

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet

Drainage way: NO feet

Possible Wet Area: NO feet

Property Line: ? feet

Drinking Water Well: N/A feet

Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 10"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>10" – 19"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>19" – 121"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>30" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 30"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 9 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>10-5-16</i>		Time: <i>PM</i>
Observation Hole #	<i>9-3</i>	
Depth of Perc	<i>EXPANSION AREA</i>	
Start Pre-soak		
End Pre-soak		
Time at 12"		
Time at 9"		
Time at 6"		
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 9 408013*

On-site Review

Deep Hole Number: 9-4 Date 9-4-16 Time: PM Weather SUNNY 68°
 Location (Identify on site plan): TP# 9-4
 Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES
 Vegetation: WOODS
 Landform: MORaine
 Position on Landscape (sketch on the back):
 Distances from:
 Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 8"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>8" – 19"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>19" – 120"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>29" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: Standing Water in the Hole: _____ Weeping from Pit Face: NONE
 Estimated Seasonal High Ground Water: 29"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 9 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>10-6-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>9-4</i>	
Depth of Perc	<i>24" - 42"</i>	
Start Pre-soak	<i>1:00</i>	
End Pre-soak	<i>1:15</i>	
Time at 12"	<i>1:15</i>	
Time at 9"	<i>2:25</i>	
Time at 6"	<i>3:14</i>	
Time (9" -6")	<i>49</i>	
Rate Min./Inch	<i>17</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 9 408013*

On-site Review

Deep Hole Number: 9-5 Date 10-5-16 Time: PM Weather SUNNY 60°
 Location (Identify on site plan): TP# 9-5
 Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES
 Vegetation: WOODS
 Landform: MORaine
 Position on Landscape (sketch on the back):
 Distances from:
 Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other: __

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 10"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>10" – 23"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>23" – 76"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>36" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>76" – 120"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA
 Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: Standing Water in the Hole: _____ Weeping from Pit Face: NONE
 Estimated Seasonal High Ground Water: 36"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 9 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>10-6-16</i>		Time: <u><i>PM</i></u>
Observation Hole #	<i>9-5</i>	
Depth of Perc	<i>34" - 52"</i>	
Start Pre-soak	<i>8:54</i>	
End Pre-soak	<i>9:09</i>	
Time at 12"	<i>9:09</i>	
Time at 9"	<i>12:09</i>	
Time at 6"	<i>ENGINEER STOP TEST</i>	
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed: *XX*

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments: *NEED MORE TESTING*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 9 408013*

On-site Review

Deep Hole Number: 9-6 Date *10-6-16* Time: PM Weather *SUNNY 68°*
 Location (Identify on site plan): *TP# 9-6*
 Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: YES Stone Walls YES
 Vegetation: WOODS
 Landform: MORaine
 Position on Landscape (sketch on the back):
 Distances from:
 Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 8"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>8" – 23"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>23" – 89"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>41" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>89" – 123"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: Standing Water in the Hole: _____ Weeping from Pit Face: NONE
 Estimated Seasonal High Ground Water: *41"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 9 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>10-6-16</i>		Time: <u><i>PM</i></u>
Observation Hole #	<i>9-6</i>	
Depth of Perc	<i>24" - 42"</i>	
Start Pre-soak	<i>1:44</i>	
End Pre-soak	<i>1:59</i>	
Time at 12"	<i>1:59</i>	
Time at 9"	<i>2:25</i>	
Time at 6"	<i>3:14</i>	
Time (9" -6")	<i>49</i>	
Rate Min./Inch	<i>174</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 12 408013*

On-site Review

Deep Hole Number: 12-1 Date 8-29-16 Time: AM Weather SUNNY 70°

Location (Identify on site plan): TP# 12-1

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES

Vegetation: WOODS

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet

Drainage way: NO feet

Possible Wet Area: NO feet

Property Line: ? feet

Drinking Water Well: N/A feet

Other: __

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 6"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>6" – 19"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>19" – 120"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>44" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 44"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 12 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>8-29-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>12-1</i>	
Depth of Perc	<i>48" - 66"</i>	
Start Pre-soak	<i>10:45</i>	
End Pre-soak	<i>11:00</i>	
Time at 12"	<i>11:00</i>	
Time at 9"	<i>11:46</i>	
Time at 6"	<i>1:25</i>	
Time (9" -6")	<i>99</i>	
Rate Min./Inch	<i>33</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed:

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 12 408013*

On-site Review

Deep Hole Number: 12-2 Date 8-26-16 Time: AM Weather SUNNY 70°

Location (Identify on site plan): TP# 12-2

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES

Vegetation: WOODS

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet

Drainage way: NO feet

Possible Wet Area: NO feet

Property Line: ? feet

Drinking Water Well: N/A feet

Other: ___

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 5"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>5" – 17"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>17" – 121"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>45" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 45"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 12 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>8-29-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>12-2</i>	
Depth of Perc	<i>36" - 54"</i>	
Start Pre-soak	<i>11:22</i>	
End Pre-soak	<i>11:37</i>	
Time at 12"	<i>11:37</i>	
Time at 9"	<i>12:16</i>	
Time at 6"	<i>1:24</i>	
Time (9" -6")	<i>68</i>	
Rate Min./Inch	<i>23</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed:

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 12 408013*

On-site Review

Deep Hole Number: 12-3 Date 8-26-16 Time: AM Weather SUNNY 75°
 Location (Identify on site plan): TP# 12-3
 Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES
 Vegetation: WOODS
 Landform: MORaine
 Position on Landscape (sketch on the back):
 Distances from:
 Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other: __

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 6"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>6" – 16"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>16" – 120"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>41" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: Standing Water in the Hole: _____ Weeping from Pit Face: NONE
 Estimated Seasonal High Ground Water: 41"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 12 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>8-29-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>12-3</i>	
Depth of Perc	<i>42" – 60"</i>	
Start Pre-soak	<i>12:41</i>	
End Pre-soak	<i>1:11</i>	
Time at 12"	<i>1:11</i>	
Time at 9"	<i>1:44</i>	
Time at 6"	<i>2:39</i>	
Time (9" -6")	<i>55</i>	
Rate Min./Inch	<i>19</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed:

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 12 408013*

On-site Review

Deep Hole Number: *12-4* Date *8-26-16* Time: *AM* Weather *SUNNY 70°*

Location (Identify on site plan): *TP# 12-4*

Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: *YES* Stone Walls *YES*

Vegetation: *WOODS*

Landform: *MORaine*

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: *NO* feet

Drainage way: *NO* feet

Possible Wet Area: *NO* feet

Property Line: *?* feet

Drinking Water Well: *N/A* feet

Other: *___*

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 7"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>7" – 21"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>21" – 120"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>42" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: *NONE*

Estimated Seasonal High Ground Water: *42"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 12 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>8-29-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>12-4</i>	
Depth of Perc	<i>EXPANSION AREA</i>	
Start Pre-soak		
End Pre-soak		
Time at 12"		
Time at 9"		
Time at 6"		
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 13 408013*

On-site Review

Deep Hole Number: 13-1 Date 8-26-16 Time: AM Weather SUNNY 80°

Location (Identify on site plan): TP# 13-1

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES

Vegetation: WOODS

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet

Drainage way: NO feet

Possible Wet Area: NO feet

Property Line: ? feet

Drinking Water Well: N/A feet

Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 7"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>7" – 24"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>24" – 120"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>37" 7.5 YR 5/8</i>	<i>25% GRAVEL, 5% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 37"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 13 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>8-26-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>13-1</i>	
Depth of Perc	<i>47" - 65"</i>	
Start Pre-soak	<i>11:34</i>	
End Pre-soak	<i>11:49</i>	
Time at 12"	<i>11:49</i>	
Time at 9"	<i>12:13</i>	
Time at 6"	<i>1:18</i>	
Time (9" -6")	<i>65</i>	
Rate Min./Inch	<i>22</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed:

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 13 408013*

On-site Review

Deep Hole Number: 13-2 Date 8-26-16 Time: AM Weather SUNNY 80°

Location (Identify on site plan): TP# 13-2

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES

Vegetation: WOODS

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet

Drainage way: NO feet

Possible Wet Area: NO feet

Property Line: ? feet

Drinking Water Well: N/A feet

Other: __

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 7"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>7" – 24"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>24" – 121"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>33" 7.5 YR 5/8</i>	<i>25% GRAVEL, 5% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 33"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 13 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>8-26-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>13-2</i>	
Depth of Perc	<i>40" - 58"</i>	
Start Pre-soak	<i>11:54</i>	
End Pre-soak	<i>12:09</i>	
Time at 12"	<i>12:09</i>	
Time at 9"	<i>12:31</i>	
Time at 6"	<i>1:15</i>	
Time (9" -6")	<i>44</i>	
Rate Min./Inch	<i>15</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed:

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 13 408013*

On-site Review

Deep Hole Number: 13-3 Date 8-26-16 Time: AM Weather SUNNY 80°

Location (Identify on site plan): TP# 13-3

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES

Vegetation: WOODS

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet

Drainage way: NO feet

Possible Wet Area: NO feet

Property Line: ? feet

Drinking Water Well: N/A feet

Other:

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 7"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>7" – 23"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>23" – 120"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>27" 7.5 YR 5/8</i>	<i>25% GRAVEL, 10% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 27"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 13 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>8-26-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>13-3</i>	
Depth of Perc	<i>46" - 64"</i>	
Start Pre-soak	<i>1:35</i>	
End Pre-soak	<i>1:50</i>	
Time at 12"	<i>1:50</i>	
Time at 9"	<i>2:42</i>	
Time at 6"	<i>4:10</i>	
Time (9" -6")	<i>82</i>	
Rate Min./Inch	<i>28</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed:

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 13 408013*

On-site Review

Deep Hole Number: 13-4 Date 8-26-16 Time: AM Weather SUNNY 80°
 Location (Identify on site plan): TP# 13-4
 Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES
 Vegetation: WOODS
 Landform: MORaine
 Position on Landscape (sketch on the back):
 Distances from:
 Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other: __

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 7"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>7" – 23"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>23" – 122"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>31" 7.5 YR 5/8</i>	<i>25% GRAVEL, 5% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA
 Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: Standing Water in the Hole: _____ Weeping from Pit Face: NONE
 Estimated Seasonal High Ground Water: 31"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 13 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>8-26-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>13-4</i>	
Depth of Perc	<i>EXPANSION AREA</i>	
Start Pre-soak		
End Pre-soak		
Time at 12"		
Time at 9"		
Time at 6"		
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed:

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 14 408013*

On-site Review

Deep Hole Number: 14-1 Date 8-25-16 Time: AM Weather SUNNY 70°

Location (Identify on site plan): TP# 14-1

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES

Vegetation: WOODS

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet

Drainage way: NO feet

Possible Wet Area: NO feet

Property Line: ? feet

Drinking Water Well: N/A feet

Other: __

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 5"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>5" – 22"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>22" – 68"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>	<i>36" 7.5 YR</i>	<i>25% GRAVEL, 15% STONE, FIRM</i>
<i>68" – 121"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>5/8</i>	<i>30% GRAVEL, 5% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 36"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 14 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>8-25-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>14-1</i>	
Depth of Perc	<i>68" - 86"</i>	
Start Pre-soak	<i>10:50</i>	
End Pre-soak	<i>11:05</i>	
Time at 12"	<i>11:05</i>	
Time at 9"	<i>12:14</i>	
Time at 6"	<i>2:15</i>	
Time (9" -6")	<i>121</i>	
Rate Min./Inch	<i>40</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed:

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 14 408013*

On-site Review

Deep Hole Number: 14-2 Date 8-25-16 Time: AM Weather SUNNY 70°

Location (Identify on site plan): TP# 14-2

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES

Vegetation: WOODS

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet

Drainage way: NO feet

Possible Wet Area: NO feet

Property Line: ? feet

Drinking Water Well: N/A feet

Other: __

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 5"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>5" – 22"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>22" – 68"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>	<i>36"</i> <i>7.5 YR</i>	<i>25% GRAVEL, 15% STONE, FIRM</i>
<i>68" – 121"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>5/8</i>	<i>30% GRAVEL, 5% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 36"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 14 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>8-25-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>14-2</i>	
Depth of Perc	<i>58" – 76"</i>	
Start Pre-soak	<i>11:58</i>	
End Pre-soak	<i>12:13</i>	
Time at 12"	<i>12:13</i>	
Time at 9"	<i>2:15</i>	
Time at 6"		
Time (9" -6")	<i>PERC. STOPPED AT 3:30</i>	
Rate Min./Inch	<i>NO RATE</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____

Site Failed:

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments: ***NEED NEW PERCOLATION TEST***



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 14 408013*

On-site Review

Deep Hole Number: 14-3 Date 8-25-16 Time: AM Weather SUNNY 70°

Location (Identify on site plan): TP# 14-3

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES

Vegetation: WOODS

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: N/A feet Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 5"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>5" – 26"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>26" – 79"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>	<i>36" 7.5 YR</i>	<i>25% GRAVEL, 15% STONE, FIRM</i>
<i>79" – 126"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>5/8</i>	<i>25% GRAVEL, 5% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 36"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 14 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>8-25-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>14-3</i>	
Depth of Perc	<i>48" - 66"</i>	
Start Pre-soak	<i>12:59</i>	
End Pre-soak	<i>1:14</i>	
Time at 12"	<i>1:14</i>	
Time at 9"	<i>1:30</i>	
Time at 6"	<i>1:57</i>	
Time (9" -6")	<i>27</i>	
Rate Min./Inch	<i>9</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed:

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 14 408013*

On-site Review

Deep Hole Number: 14-4 Date 8-25-16 Time: AM Weather SUNNY 70°

Location (Identify on site plan): TP# 14-4

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls YES

Vegetation: WOODS

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet Drainage way: NO feet

Possible Wet Area: NO feet Property Line: ? feet

Drinking Water Well: N/A feet Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 5"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>5" – 29"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>29" – 79"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>	<i>37" 7.5 YR</i>	<i>25% GRAVEL, 15% STONE, FIRM</i>
<i>79" – 122"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>5/8</i>	<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 37"



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 14 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>8-25-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>14-4</i>	
Depth of Perc	<i>EXPANSION AREA</i>	
Start Pre-soak		
End Pre-soak		
Time at 12"		
Time at 9"		
Time at 6"		
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed:

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: **90 Ann Vinal Road Scituate Lot 14 408013**

On-site Review

Deep Hole Number: **14-5** Date **8-26-16** Time: **AM** Weather **SUNNY 70°**

Location (Identify on site plan): **TP# 14-5**

Land Use: **RESIDENTIAL** Slope (%): **2-3** Surface Stones: **YES** Stone Walls **YES**

Vegetation: **WOODS**

Landform: **MORaine**

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: **NO** feet Drainage way: **NO** feet
 Possible Wet Area: **NO** feet Property Line: **?** feet
 Drinking Water Well: **N/A** feet Other: **__**

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0" – 6"	A	SANDY LOAM	10 YR 5/3		1% GRAVEL, 0% STONE, MASSIVE, FRIABLE
6" – 22"	B	SANDY LOAM	10 YR 5/6		5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE
22" – 42"	C₁	SANDY LOAM	2.5 Y 6/4	33" 7.5 YR	25% GRAVEL, 15% STONE, FIRM
42" – 121"	C₂	SANDY LOAM	2.5 Y 6/3	5/8	30% GRAVEL, 5% STONE, SINGLE GRAIN, FRIABLE

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: **NONE**

Estimated Seasonal High Ground Water: **33"**



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot 14 408013*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>8-26-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>14-5</i>	
Depth of Perc	<i>48" - 66"</i>	
Start Pre-soak	<i>9:33</i>	
End Pre-soak	<i>9:48</i>	
Time at 12"	<i>9:48</i>	
Time at 9"	<i>10:30</i>	
Time at 6"	<i>11:27</i>	
Time (9" -6")	<i>57</i>	
Rate Min./Inch	<i>19</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed:

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: **90 Ann Vinal Road Scituate 409190 LOT B aka LOT 15**
On-site Review

Deep Hole Number: 5 Date 7-8-16 Time: AM Weather Cloudy 60°

Location (Identify on site plan): TP# 5

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls NO

Vegetation: LAWN

Landform: MORANIE

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NA feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: NA feet Other: __

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0" - 10"	A	SANDY LOAM	10 YR 4-3		MASSIVE, FRIABLE 1% GRAVEL, 0% STONES
10" - 22"	Bw	SANDY LOAM	10 YR 5/6		5% GRAVEL 1% STONE, FRIABLE SINGLE GRAIN
22" - 60"	C₁	SANDY LOAM	2.5 Y 6/3	34" 7.5 YR 5/8	15% GRAVEL, 10% STONE, SINGLE GRAIN, FRIABLE
60" - 121"	C₂	SANDY LOAM	2.5 Y 4/4		20% GRAVEL, 5% STONE, SINGLE GRAIN, FIRM

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: _____ Standing Water in the Hole: _____ Weeping from Pit Face: **NONE**
 Estimated Seasonal High Ground Water: **34"**



Location Address or Lot No.: *90 Ann Vinal Road Scituate 409190 LOT B aka LOT15*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*	
Date: <i>7-8-16</i>	Time: <u><i>AM</i></u>

Observation Hole #	<i>5</i>	
Depth of Perc	<i>35" - 53"</i>	
Start Pre-soak	<i>10:32</i>	
End Pre-soak	<i>10:47</i>	
Time at 12"	<i>10:47</i>	
Time at 9"	<i>11:43</i>	
Time at 6"	<i>1:14</i>	
Time (9" -6")	<i>91</i>	
Rate Min./Inch	<i>31</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed:

Performed By: *ROSS ENGINEERING CO., INC. GREG TANSEY, PE*

Witnessed By: *Ralph H. Cole, SE# 410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate 409190 LOT B aka Lot 15*
On-site Review

Deep Hole Number: 6 Date 7-8-16 Time: AM Weather Cloudy 60°

Location (Identify on site plan): TP# 6

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls NO

Vegetation: LAWN

Landform: MORANIE

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NA feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: NA feet Other: __

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" - 10"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 4-3</i>		<i>MASSIVE, FRIABLE 1% GRAVEL, 0% STONES</i>
<i>10" - 30"</i>	<i>Bw</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL 1% STONE, FRIABLE SINGLE GRAIN</i>
<i>30" - 120"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>31" 7.5 YR 5/8</i>	<i>15% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater:

Standing Water in the Hole:

Weeping from Pit Face: *NONE*

Estimated Seasonal High Ground Water: *31"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate 409190 LOT B aka Lot 15*

COMMONWEALTH OF MASSACHUSETTS
 SCITUATE, Massachusetts

Percolation Test*	
Date: <i>7-8-16</i>	Time: <u><i>AM</i></u>

Observation Hole #	<i>6</i>	
Depth of Perc	<i>49" - 67"</i>	
Start Pre-soak	<i>12:01</i>	
End Pre-soak	<i>12:18</i>	
Time at 12"	<i>12:18</i>	
Time at 9"	<i>12:52</i>	
Time at 6"	<i>1:49</i>	
Time (9" -6")	<i>57</i>	
Rate Min./Inch	<i>19</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed:

Performed By: *ROSS ENGINEERING CO., INC. GREG TANSEY, PE*

Witnessed By: *Ralph H. Cole, SE# 410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate 409190 LOT B aka LOT 15*
On-site Review

Deep Hole Number: 7 Date 7-8-16 Time: AM Weather Cloudy 60°

Location (Identify on site plan): TP# 7

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls NO

Vegetation: LAWN

Landform: MORANIE

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NA feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: NA feet Other: __

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" - 12"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 4-3</i>		<i>MASSIVE, FRIABLE 1% GRAVEL, 0% STONES</i>
<i>12" - 29"</i>	<i>Bw</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL 1% STONE, FRIABLE SINGLE GRAIN</i>
<i>29" - 120"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>30" 7.5 YR 5/8</i>	<i>15% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater:

Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: 30"



Location Address or Lot No.: *90 Ann Vinal Road Scituate 409190 LOT B aka LOT 15*

COMMONWEALTH OF MASSACHUSETTS
 SCITUATE, Massachusetts

Percolation Test*	
Date: <i>7-8-16</i>	Time: <u><i>AM</i></u>

Observation Hole #	<i>7</i>	
Depth of Perc	<i>40" - 58"</i>	
Start Pre-soak	<i>2:23</i>	
End Pre-soak	<i>2:38</i>	
Time at 12"	<i>2:39</i>	
Time at 9"	<i>4:25</i>	
Time at 6"	<i>6:20</i>	
Time (9" -6")	<i>135</i>	
Rate Min./Inch	<i>45</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed:

Performed By: *ROSS ENGINEERING CO., INC. GREG TANSEY, PE*

Witnessed By: *Ralph H. Cole, SE# 410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate 409190 LOT B aka LOT 15*

On-site Review

Deep Hole Number: 8 Date 7-8-16 Time: AM Weather Cloudy 60°

Location (Identify on site plan): TP# 8

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls NO

Vegetation: LAWN

Landform: MORANIE

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NA feet Drainage way: NO feet

Possible Wet Area: NO feet Property Line: ? feet

Drinking Water Well: NA feet Other: __

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" - 11"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 4-3</i>		<i>MASSIVE, FRIABLE 1% GRAVEL, 0% STONES</i>
<i>11" - 29"</i>	<i>Bw</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL 1% STONE, FRIABLE SINGLE GRAIN</i>
<i>29" - 120"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>30" 7.5 YR 5/8</i>	<i>15% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater:

Standing Water in the Hole:

Weeping from Pit Face: *NONE*

Estimated Seasonal High Ground Water: *30"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate 409190 LOT B aka Lot 15*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*	
Date: <i>7-8-16</i>	Time: <u><i>AM</i></u>

Observation Hole #	<i>8</i>	
Depth of Perc	<i>NO PERCOLATION TEST</i>	
Start Pre-soak		
End Pre-soak		
Time at 12"		
Time at 9"		
Time at 6"		
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed:

Performed By: *ROSS ENGINEERING CO., INC. GREG TANSEY, PE*

Witnessed By: *Ralph H. Cole, SE# 410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: **90 Ann Vinal Road Scituate 409190 LOT B aka LOT 15**

On-site Review

Deep Hole Number: 9 Date 7-8-16 Time: AM Weather Cloudy 60°

Location (Identify on site plan): TP# 9

Land Use: RESIDENTIAL Slope (%): 2-3 Surface Stones: YES Stone Walls NO

Vegetation: LAWN

Landform: MORANIE

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NA feet Drainage way: NO feet
 Possible Wet Area: NO feet Property Line: ? feet
 Drinking Water Well: NA feet Other: __

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0" - 10"	A	SANDY LOAM	10 YR 4-3		MASSIVE, FRIABLE 1% GRAVEL, 0% STONES
10" - 30"	Bw	SANDY LOAM	10 YR 5/6		5% GRAVEL 1% STONE, FRIABLE SINGLE GRAIN
30" - 121"	C₁	SANDY LOAM	2.5 Y 6/3	33" 7.5 YR 5/8	15% GRAVEL, 10% STONE, SINGLE GRAIN, FIRM

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: _____ Standing Water in the Hole: _____ Weeping from Pit Face: **NONE**
 Estimated Seasonal High Ground Water: **33"**



Location Address or Lot No.: *90 Ann Vinal Road Scituate 409190 LOT B aka LOT 15*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*	
Date: <i>7-8-16</i>	Time: <u><i>AM</i></u>

Observation Hole #	<i>9</i>	
Depth of Perc	<i>NO PERCOLATION TEST</i>	
Start Pre-soak		
End Pre-soak		
Time at 12"		
Time at 9"		
Time at 6"		
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed:

Performed By: *ROSS ENGINEERING CO., INC. GREG TANSEY, PE*

Witnessed By: *Ralph H. Cole, SE# 410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: **90 Ann Vinal Road Scituate 409190 "DRAINAGE" LOT A**
On-site Review

Deep Hole Number: **D-1** Date **7-5-16** Time: **AM** Weather **Cloudy 70°**

Location (Identify on site plan): **TP# D-1**

Land Use: **RESIDENTIAL**

Slope (%): **2-3**

Surface Stones: **YES** Stone Walls **NO**

Vegetation: **LAWN**

Landform: **MORANIE**

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: **NA** feet

Drainage way: **NO** feet

Possible Wet Area: **NO** feet

Property Line: **?** feet

Drinking Water Well: **NA** feet

Other:

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0" - 13"	Ap	SANDY LOAM	10 YR 3/8		MASSIVE, FRIABLE 1% GRAVEL, 0% STONES
13" - 29"	Bw	SANDY LOAM	10 YR 6/6		5% GRAVEL 1% STONE, FRIABLE SINGLE GRAIN
29" - 121"	C	SANDY LOAM	2.5 Y 5/6	30" 7.5 YR 5/4	25% GRAVEL, 15% STONE, FIRM

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater:

Standing Water in the Hole:

Weeping from Pit Face:

Estimated Seasonal High Ground Water: **30"**



Location Address or Lot No.: *90 Ann Vinal Road Scituate 409190*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*	
Date: <i>7-5-16</i>	Time: <u><i>AM</i></u>

Observation Hole #	<i>D-1</i>	
Depth of Perc	<i>24" - 42"</i>	
Start Pre-soak	<i>10:15</i>	
End Pre-soak	<i>10:35</i>	
Time at 12"	<i>10:35</i>	
Time at 9"	<i>12:30</i>	
Time at 6"	<i>2:46</i>	
Time (9" -6")	<i>126</i>	
Rate Min./Inch	<i>46</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed:

Performed By: *ROSS ENGINEERING CO., INC. GREG TANSEY, PE*

Witnessed By: *Ralph H. Cole, SE# 410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: **90 Ann Vinal Road Scituate 409190 "DRAINAGE" LOT A**
On-site Review

Deep Hole Number: **D-2** Date **7-5-16** Time: **AM** Weather **Cloudy 70°**

Location (Identify on site plan): **TP# D-2**

Land Use: **RESIDENTIAL** Slope (%): **2-3** Surface Stones: **YES** Stone Walls **NO**

Vegetation: **LAWN**

Landform: **MORANIE**

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: **NA** feet Drainage way: **NO** feet
 Possible Wet Area: **NO** feet Property Line: **?** feet
 Drinking Water Well: **NA** feet Other:

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
0" - 12"	Ap	SANDY LOAM	10 YR 3/8		MASSIVE, FRIABLE 1% GRAVEL, 0% STONES
12" - 31"	Bw	SANDY LOAM	10 YR 6/6		5% GRAVEL 1% STONE, FRIABLE SINGLE GRAIN
31" - 120"	C	SANDY LOAM	2.5 Y 5/6	33" 7.5 YR 5/4	20% GRAVEL, 10% STONE, FIRM

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: _____ Standing Water in the Hole: _____ Weeping from Pit Face: **120"**
 Estimated Seasonal High Ground Water: **30"**



Location Address or Lot No.: **90 Ann Vinal Road Scituate 409190**

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*	
Date: 7-5-16	Time: <u>AM</u>

Observation Hole #	D-2	
Depth of Perc		
Start Pre-soak		
End Pre-soak		
Time at 12"		
Time at 9"		
Time at 6"		
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed:

Performed By: **ROSS ENGINEERING CO., INC. GREG TANSEY, PE**

Witnessed By: **Ralph H. Cole, SE# 410**

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot A 408013 DRAINAGE D-3*

On-site Review

Deep Hole Number: *D-3* Date *10-6-16* Time: *AM* Weather *SUNNY 68°*

Location (Identify on site plan): *TP# D-3*

Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: *YES* Stone Walls *YES*

Vegetation: *WOODS*

Landform: *MORaine*

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: *NO* feet Drainage way: *NO* feet
 Possible Wet Area: *NO* feet Property Line: *?* feet
 Drinking Water Well: *N/A* feet Other:

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" - 10"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>10" - 24"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>24" - 65"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>36" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic): _____ Depth to Bedrock: _____
 Depth to Groundwater: Standing Water in the Hole: _____ Weeping from Pit Face: *NONE*
 Estimated Seasonal High Ground Water: *36"*



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate Lot A 408013 DRAINAGE D-4*

On-site Review

Deep Hole Number: *D-4* Date *10-6-16* Time: *AM* Weather *SUNNY 68°*

Location (Identify on site plan): *TP# D-4*

Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: *YES* Stone Walls *YES*

Vegetation: *WOODS*

Landform: *MORaine*

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: *NO* feet Drainage way: *NO* feet
 Possible Wet Area: *NO* feet Property Line: *?* feet
 Drinking Water Well: *N/A* feet Other:

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" - 10"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>10" - 22"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>22" - 71"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>25" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: *NONE*

Estimated Seasonal High Ground Water: *36"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate leaching field 408044*

On-site Review

Deep Hole Number: *S-1* Date *11-23-16* Time: *AM* Weather *SUNNY 40°*

Location (Identify on site plan): *TP# S-1*

Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: *NO* Stone Walls *YES*

Vegetation: *FIELD*

Landform: *MORaine*

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: *NO* feet

Drainage way: *NO* feet

Possible Wet Area: *??* feet

Property Line: *?* feet

Drinking Water Well: *N/A* feet

Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" - 8"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>8" - 19"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>19" - 84"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>20" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>84" - 145"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: *NONE*

Estimated Seasonal High Ground Water: *20"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate leaching field 408044*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>11-23-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>S-1</i>	
Depth of Perc	<i>77" - 95"</i>	
Start Pre-soak	<i>12:10</i>	
End Pre-soak	<i>12:25</i>	
Time at 12"	<i>12:25</i>	
Time at 9"	<i>12:40</i>	
Time at 6"	<i>1:10</i>	
Time (9" -6")	<i>30</i>	
Rate Min./Inch	<i>10</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: XX Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate leaching field 408044*

On-site Review

Deep Hole Number: S-2 Date *11-23-16* Time: AM Weather *SUNNY 40°*

Location (Identify on site plan): *TP# S-2*

Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: NO Stone Walls YES

Vegetation: FIELD

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet

Drainage way: NO feet

Possible Wet Area: ?? feet

Property Line: ? feet

Drinking Water Well: N/A feet

Other:

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" - 10"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>10" - 22"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>22" - 86"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>22" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>
<i>86" - 121"</i>	<i>C₂</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/4</i>		<i>30% GRAVEL, 10% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: *22"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate leaching field 408044*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>11-23-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>S-2</i>	
Depth of Perc		
Start Pre-soak		
End Pre-soak		
Time at 12"		
Time at 9"		
Time at 6"		
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate leaching field 408044*

On-site Review

Deep Hole Number: S-3 Date *11-23-16* Time: AM Weather *SUNNY 40°*

Location (Identify on site plan): *TP# S-3*

Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: NO Stone Walls YES

Vegetation: FIELD

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: ?? feet Property Line: ? feet
 Drinking Water Well: N/A feet Other:

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" - 9"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>9" - 17"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>17" - 120"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>29" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: *29"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate leaching field 408044*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>11-23-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>S-3</i>	
Depth of Perc	<i>36" - 54"</i>	
Start Pre-soak	<i>10:33</i>	
End Pre-soak	<i>10:48</i>	
Time at 12"	<i>10:48</i>	
Time at 9"	<i>11:35</i>	
Time at 6"	<i>12:05</i>	
Time (9" -6")	<i>30</i>	
Rate Min./Inch	<i>10</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: XX Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate leaching field 408044*

On-site Review

Deep Hole Number: S-4 Date *11-23-16* Time: AM Weather *SUNNY 40°*

Location (Identify on site plan): *TP# S-4*

Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: NO Stone Walls YES

Vegetation: WOODS

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet Drainage way: NO feet
 Possible Wet Area: ?? feet Property Line: ? feet
 Drinking Water Well: N/A feet Other:

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 11"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>11" – 22"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>22" – 126"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>32" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: *32"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate leaching field 408044*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>11-23-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>S-4</i>	
Depth of Perc	<i>48" - 66"</i>	
Start Pre-soak	<i>11:47</i>	
End Pre-soak	<i>12:02</i>	
Time at 12"	<i>12:02</i>	
Time at 9"	<i>1:06</i>	
Time at 6"	<i>2:12</i>	
Time (9" -6")	<i>66</i>	
Rate Min./Inch	<i>22</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: XX Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate leaching field 408044*

On-site Review

Deep Hole Number: S-5 Date *11-23-16* Time: AM Weather *SUNNY 40°*

Location (Identify on site plan): *TP# S-5*

Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: NO Stone Walls YES

Vegetation: FIELD

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet

Drainage way: NO feet

Possible Wet Area: ?? feet

Property Line: ? feet

Drinking Water Well: N/A feet

Other: __

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" - 10"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>10" - 20"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>20" - 120"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>21" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: *21"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate leaching field 408044*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>11-23-16</i>		Time: <i>AM</i>
Observation Hole #	<i>S-5</i>	
Depth of Perc		
Start Pre-soak		
End Pre-soak		
Time at 12"		
Time at 9"		
Time at 6"		
Time (9" -6")		
Rate Min./Inch		

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: _____ Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



Location Address or Lot No.: *90 Ann Vinal Road Scituate leaching field 408044*

On-site Review

Deep Hole Number: S-6 Date *11-23-16* Time: AM Weather *SUNNY 40°*

Location (Identify on site plan): *TP# S-6*

Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: NO Stone Walls YES

Vegetation: WOODS

Landform: MORaine

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: NO feet

Drainage way: NO feet

Possible Wet Area: ?? feet

Property Line: ? feet

Drinking Water Well: N/A feet

Other:

DEEP OBSERVATION HOLE LOG*					
Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" – 11"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>11" – 22"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>22" – 124"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>32" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FIRM</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: NONE

Estimated Seasonal High Ground Water: *32"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate leaching field 408044*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>11-23-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>S-6</i>	
Depth of Perc	<i>40" - 58"</i>	
Start Pre-soak	<i>9:30</i>	
End Pre-soak	<i>9:45</i>	
Time at 12"	<i>9:45</i>	
Time at 9"	<i>9:57</i>	
Time at 6"	<i>10:12</i>	
Time (9" -6")	<i>15</i>	
Rate Min./Inch	<i>5</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: XX Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:



FORM 11 - SOIL EVALUATOR FORM

Location Address or Lot No.: *90 Ann Vinal Road Scituate leaching field 408044*

On-site Review

Deep Hole Number: *S-7* Date *11-23-16* Time: *AM* Weather *SUNNY 40°*

Location (Identify on site plan): *TP# S-7*

Land Use: *RESIDENTIAL* Slope (%): *2-3* Surface Stones: *NO* Stone Walls *YES*

Vegetation: *WOODS*

Landform: *MORaine*

Position on Landscape (sketch on the back):

Distances from:

Open Water Body: *NO* feet

Drainage way: *NO* feet

Possible Wet Area: *??* feet

Property Line: *?* feet

Drinking Water Well: *N/A* feet

Other:

DEEP OBSERVATION HOLE LOG*

Depth from Surface (Inches)	Soil Horizon	Soil Texture (USDA)	Soil Color (Munsell)	Soil Mottling	Other (Structure, Stones, Boulders, Consistency, % Gravel)
<i>0" - 10"</i>	<i>A</i>	<i>SANDY LOAM</i>	<i>10 YR 5/3</i>		<i>1% GRAVEL, 0% STONE, MASSIVE, FRIABLE</i>
<i>10" - 22"</i>	<i>B</i>	<i>SANDY LOAM</i>	<i>10 YR 5/6</i>		<i>5% GRAVEL, 1% STONE, SINGLE GRAIN, FRIABLE</i>
<i>22" - 122"</i>	<i>C₁</i>	<i>SANDY LOAM</i>	<i>2.5 Y 6/3</i>	<i>28" 7.5 YR 5/8</i>	<i>25% GRAVEL, 15% STONE, SINGLE GRAIN, FRIABLE</i>

* MINIMUM OF 2 HOLES REQUIRED AT EVERY PROPOSED DISPOSAL AREA

Parent Material (geologic):

Depth to Bedrock:

Depth to Groundwater: Standing Water in the Hole:

Weeping from Pit Face: *NONE*

Estimated Seasonal High Ground Water: *28"*



Location Address or Lot No.: *90 Ann Vinal Road Scituate leaching field 408044*

COMMONWEALTH OF MASSACHUSETTS
SCITUATE, Massachusetts

Percolation Test*		
Date: <i>11-23-16</i>		Time: <u><i>AM</i></u>
Observation Hole #	<i>S-7</i>	
Depth of Perc	<i>29" - 47"</i>	
Start Pre-soak	<i>10:44</i>	
End Pre-soak	<i>10:59</i>	
Time at 12"	<i>10:59</i>	
Time at 9"	<i>11:15</i>	
Time at 6"	<i>11:48</i>	
Time (9" -6")	<i>33</i>	
Rate Min./Inch	<i>11</i>	

* Minimum of 1 percolation test must be performed in both the primary area AND reserve area.

Site Passed: *XX* Site Failed: _____

Performed By: *Greg Tansey, P.E. SE2399*

Witnessed By: *Ralph H. Cole, PLS, SE410*

Comments:

