

Town, City, Plantation
CARROLL PLANTATION

Street, Road Subdivision
BOWERS WIND PROJECT O & M SITE

Owner's Name
CHAMPLAIN WIND ENERGY (STANTEC)

ALL TEST PITS EXCAVATED BY BACKHOE

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

Observation Hole TP 100 Test Pit Boring
 _____ " Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
		DARK BROWN 10YR 5/3	
SILT LOAM	FRIABLE		NONE EVIDENT
		DARK YELLOWISH BROWN 10YR 4/6	
BEDROCK			

Soil Classification: Profile I Condition A Slope _____ % Limiting Factor 16 " Ground Water Restrictive Layer Bedrock Pit Depth

Soil Series Name: MONSON Drainage Class: _____ Hydrologic Group: _____

Observation Hole TP 101 Test Pit Boring
 _____ " Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
		DARK BROWN 10YR 3/3	
GRAVELLY SILT LOAM	FRIABLE		
		DARK YELLOWISH BROWN 10YR 4/4	
		DARK YELLOWISH BROWN 10YR 3/4	
	FIRM		COMMON FAINT
		OLIVE BROWN	COMMON DISTINCT
(WEATHERED BEDROCK 45" - 56")			

Soil Classification: Profile I Condition A/C Slope _____ % Limiting Factor 20 " Ground Water Restrictive Layer Bedrock Pit Depth

Soil Series Name: HOWLAND (MWD) Drainage Class: _____ Hydrologic Group: _____

FOR WASTEWATER DISPOSAL →
 FOR SOILS MAPPING →

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

Observation Hole TP 102 Test Pit Boring
 _____ " Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
		DARK BROWN 10YR 3/3	
CHANNERY SILT LOAM	FRIABLE		
		DARK YELLOWISH BROWN 10YR 4/6	
	SOMEWHAT FIRM	OLIVE BROWN	FEW FAINT
	FIRM		COMMON DISTINCT
WEATHERED BEDROCK			

Soil Classification: Profile I Condition A/C Slope _____ % Limiting Factor 17 " Ground Water Restrictive Layer Bedrock Pit Depth

Soil Series Name: ELLIOTTSVILLE Drainage Class: _____ Hydrologic Group: _____

Observation Hole TP 103 Test Pit Boring
 _____ " Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
		DARK BROWN 10YR 3/3	
CHANNERY SILT LOAM	FRIABLE		
		DARK YELLOWISH BROWN 10YR 4/6	
		MIXED DARK YELLOWISH BROWN	FEW FAINT
	FIRM	OLIVE BROWN	COMMON DISTINCT
		OLIVE	
FRACTURED BEDROCK			

Soil Classification: Profile _____ Condition _____ Slope _____ % Limiting Factor 16 " Ground Water Restrictive Layer Bedrock Pit Depth

Soil Series Name: HOWLAND Drainage Class: _____ Hydrologic Group: _____

FOR WASTEWATER DISPOSAL →
 FOR SOILS MAPPING →

James Logan (for AFA)
 Site Evaluator / Soil Scientist Signature

237/213
 SE/CSS *

10/7/10
 Date

Town, City, Plantation
CARROLL PLANTATION

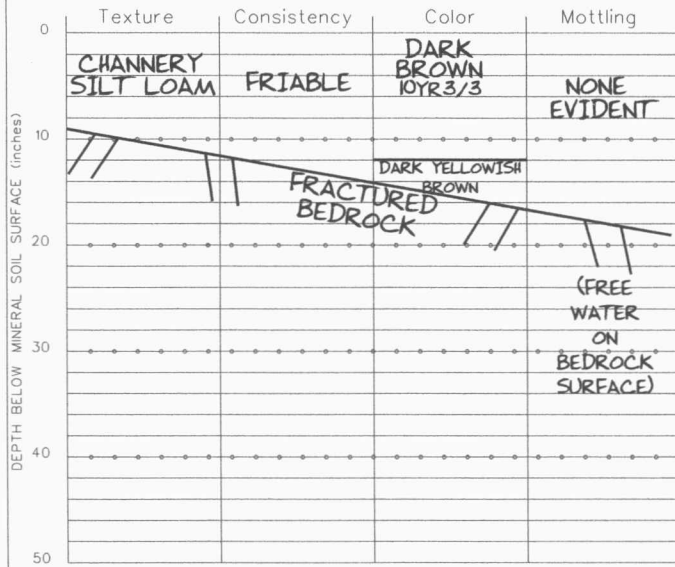
Street, Road Subdivision
BOWERS WIND PROJECT O & M SITE

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ALL TEST PITS EXCAVATED BY BACKHOE

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

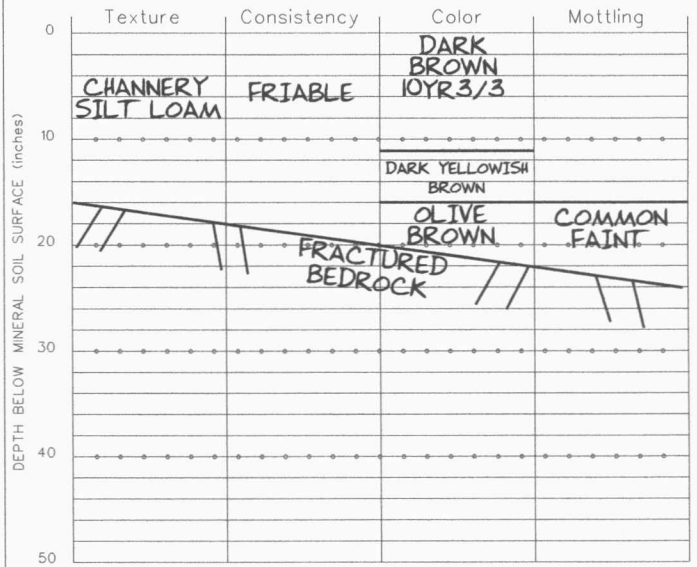
Observation Hole TP 104 Test Pit Boring
 " Depth of Organic Horizon Above Mineral Soil



Soil Classification Profile <u>I</u> Condition <u>A</u>	Slope %	Limiting Factor <u>9-19"</u>	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
Soil Series Name: MONSON	Drainage Class:	Hydrologic Group:	

FOR WASTEWATER DISPOSAL →
 FOR SOILS MAPPING →

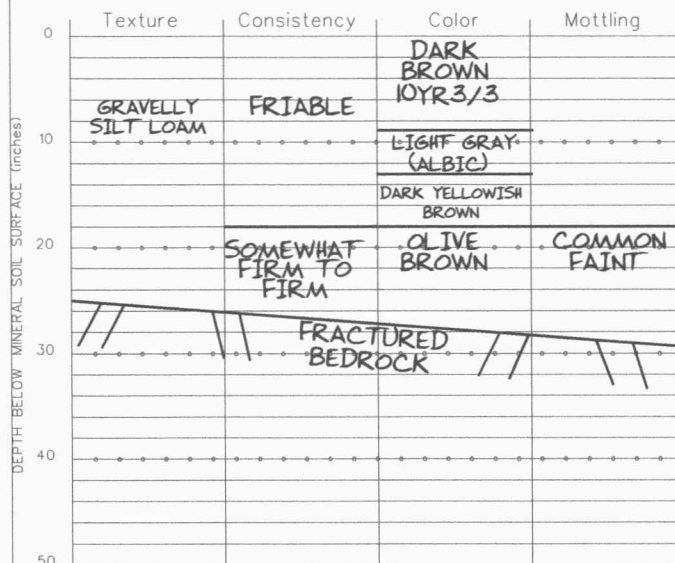
Observation Hole TP 105 Test Pit Boring
 " Depth of Organic Horizon Above Mineral Soil



Soil Classification Profile _____ Condition _____	Slope %	Limiting Factor <u>16-24"</u>	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
Soil Series Name: MONSON-ELLIOTTSTVILLE	Drainage Class:	Hydrologic Group:	

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

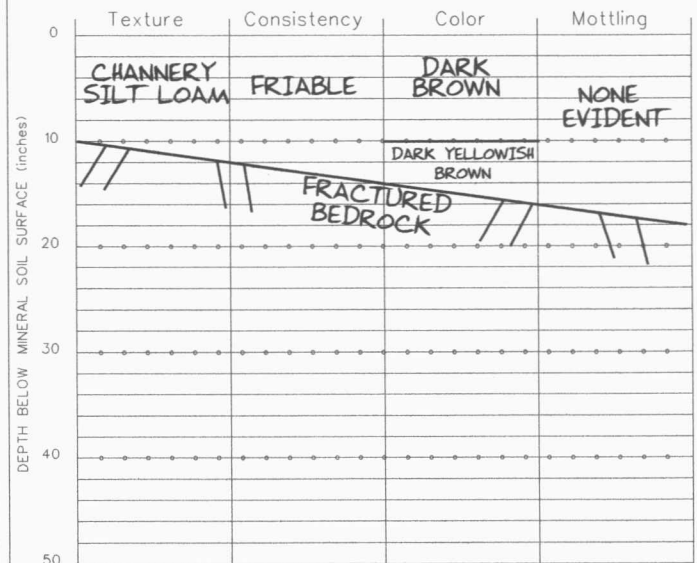
Observation Hole TP 106 Test Pit Boring
 " Depth of Organic Horizon Above Mineral Soil



Soil Classification Profile _____ Condition _____	Slope %	Limiting Factor <u>25-29"</u>	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
Soil Series Name: ELLIOTTSTVILLE	Drainage Class:	Hydrologic Group:	

FOR WASTEWATER DISPOSAL →
 FOR SOILS MAPPING →

Observation Hole TP 107 Test Pit Boring
 " Depth of Organic Horizon Above Mineral Soil



Soil Classification Profile _____ Condition _____	Slope %	Limiting Factor <u>10-18"</u>	<input type="checkbox"/> Ground Water <input type="checkbox"/> Restrictive Layer <input checked="" type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
Soil Series Name: MONSON	Drainage Class:	Hydrologic Group:	

James Fogar (for AFA)
 Site Evaluator / Soil Scientist Signature

237/243
 SE/CSS *

10/7/10
 Date

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ALL TEST PITS EXCAVATED BY BACKHOE

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

Observation Hole TP 111 Test Pit Boring
 _____ " Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
GRAVELLY SILT LOAM		DARK BROWN 10YR 3/3	
	FRIABLE		
		DARK BROWN 10YR 4/6	
		LIGHT GRAY (ALBIC)	
		OLIVE BROWN 2.5Y 4/4	FEW FAINT
	FIRM	OLIVE 5Y 4/4	COMMON DISTINCT & Δ Δ Δ
			FREE WATER
BEDROCK			

Soil Classification: Profile I Condition AIII/C Slope _____ % Limiting Factor 21 " Ground Water Restrictive Layer Bedrock Pit Depth

Soil Series Name: ELLIOTTSTVILLE/CHEUNCOOK Drainage Class: _____ Hydrologic Group: _____

FOR WASTEWATER DISPOSAL →
 FOR SOILS MAPPING →

Observation Hole TP 112 Test Pit Boring
 _____ " Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
GRAVELLY SILT LOAM		DARK BROWN 10YR 3/3	
	FRIABLE		
		DARK YELLOWISH BROWN 10YR 4/6	
BEDROCK			

Soil Classification: Profile _____ Condition _____ Slope _____ % Limiting Factor 12 " Ground Water Restrictive Layer Bedrock Pit Depth

Soil Series Name: MONSON Drainage Class: _____ Hydrologic Group: _____

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

Observation Hole TP 113 Test Pit Boring
 _____ " Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
GRAVELLY SILT LOAM		DARK BROWN 10YR 3/3	
	FRIABLE		NONE EVIDENT
		DARK YELLOWISH BROWN 10YR 4/6	
GRAVELLY VERY FINE SANDY LOAM			
FRACTURED BEDROCK			

Soil Classification: Profile _____ Condition _____ Slope _____ % Limiting Factor 27 " Ground Water Restrictive Layer Bedrock Pit Depth

Soil Series Name: ELLIOTTSTVILLE Drainage Class: _____ Hydrologic Group: _____

FOR WASTEWATER DISPOSAL →
 FOR SOILS MAPPING →

Observation Hole TP 114 Test Pit Boring
 _____ " Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
		DARK BROWN 10YR 3/3	
GRAVELLY SILT LOAM	FRIABLE	DARK YELLOWISH BROWN	
		OLIVE BROWN	FEW FAINT
	FIRM	OLIVE	COMMON DISTINCT
BEDROCK			

Soil Classification: Profile I Condition AIII/C Slope _____ % Limiting Factor 15 " Ground Water Restrictive Layer Bedrock Pit Depth

Soil Series Name: ELLIOTTSTVILLE Drainage Class: _____ Hydrologic Group: _____

(TUNBRIDGE INCLUSIONS)

James Logan (for AFA)
 Site Evaluator Soil Scientist Signature

237/213
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ALL TEST PITS EXCAVATED BY BACKHOE

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

Observation Hole TP 119 Test Pit Boring
 " Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
		DARK BROWN 10YR 3/3	
GRAVELLY SILT LOAM	FRIABLE	DARK YELLOWISH BROWN 10YR 4/4	
		OLIVE BROWN 2.5Y 4/4	FEW FAINT
	FIRM	OLIVE 5Y 4/4	COMMON FAINT
WEATHERED BEDROCK			
(LIMIT OF EXCAVATION @ 58")			

Soil Classification: Profile _____ Condition _____ Slope _____ % Limiting Factor 23"

Soil Series Name: **ELLIOTTSVILLE** Drainage Class: _____ Hydrologic Group: _____

Observation Hole TP 120 Test Pit Boring
 " Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
		DARK BROWN 10YR 3/3	
GRAVELLY SILT LOAM	FRIABLE	YELLOWISH BROWN 10YR 5/6	
		OLIVE BROWN	
		OLIVE	
WEATHERED BEDROCK			
LIMIT OF EXCAVATION			

Soil Classification: Profile _____ Condition _____ Slope _____ % Limiting Factor 27"

Soil Series Name: **ELLIOTTSVILLE** Drainage Class: _____ Hydrologic Group: _____

FOR WASTEWATER DISPOSAL →
 FOR SOILS MAPPING →

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

Observation Hole TP 121 Test Pit Boring
 " Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
		DARK BROWN	
GRAVELLY SILT LOAM	FRIABLE		COMMON FAINT
		OLIVE BROWN	FREE WATER
	FIRM	OLIVE	COMMON DISTINCT
LIMIT OF EXCAVATION			

Soil Classification: Profile _____ Condition _____ Slope _____ % Limiting Factor 13"

Soil Series Name: **TELOS** Drainage Class: _____ Hydrologic Group: _____

Observation Hole TP 122 Test Pit Boring
 " Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
		DARK BROWN 10YR 3/3	
GRAVELLY SILT LOAM	FRIABLE		SATURATED
		OLIVE BROWN	COMMON FAINT
	FIRM	OLIVE	COMMON DISTINCT
BEDROCK			
(LIMIT OF EXCAVATION @ 54")			

Soil Classification: Profile _____ Condition _____ Slope _____ % Limiting Factor <10"

Soil Series Name: **TELOS-ELLIOTTSVILLE (VARIANT)** Drainage Class: _____ Hydrologic Group: _____

FOR WASTEWATER DISPOSAL →
 FOR SOILS MAPPING →

James Loga (for AFA)
 Site Evaluator / Soil Scientist Signature

237/213
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SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

Observation Hole **TP 123** Test Pit Boring
 _____ " Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
		DARK BROWN 10YR3/3	
GRAVELLY SILT LOAM	FRIABLE		
		DARK YELLOWISH BROWN 10YR4/6	
GRAVELLY SANDY LOAM			
GRAVELLY SILT LOAM	FIRM	OLIVE BROWN 2.5Y4/4	FEW FAINT
WEATHERED BEDROCK			
(LIMIT OF EXCAVATION @ 51")			

Soil Classification: _____ Slope: _____ % Limiting Factor: **36** " Ground Water Restrictive Layer Bedrock Pit Depth

Soil Series Name: **ELLIOTTSTVILLE** Drainage Class: _____ Hydrologic Group: _____

Observation Hole **TP 124** Test Pit Boring
 _____ " Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
		DARK BROWN 10YR3/3	
GRAVELLY SILT LOAM	FRIABLE		
		OLIVE BROWN	COMMON FAINT
	SOMEWHAT FIRM TO FIRM	OLIVE	COMMON DISTINCT
			FREE WATER
WEATHERED BEDROCK			
(LIMIT OF EXCAVATION @ 53")			

Soil Classification: _____ Slope: _____ % Limiting Factor: **13** " Ground Water Restrictive Layer Bedrock Pit Depth

Soil Series Name: **TELOS** Drainage Class: _____ Hydrologic Group: _____

W/ ELLIOTTSTVILLE (VARIANT) INCLUSIONS

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

Observation Hole **TP 125** Test Pit Boring
 _____ " Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
		DARK BROWN 10YR3/3	
GRAVELLY SILT LOAM	FRIABLE	DARK YELLOWISH BROWN 10YR4/6	
		YELLOWISH BROWN 10YR5/6	
	SOMEWHAT FIRM TO FIRM	OLIVE BROWN	FEW FAINT
WEATHERED BEDROCK			
(LIMIT OF EXCAVATION @ 53")			

Soil Classification: _____ Slope: _____ % Limiting Factor: **36** " Ground Water Restrictive Layer Bedrock Pit Depth

Soil Series Name: **ELLIOTTSTVILLE** Drainage Class: _____ Hydrologic Group: _____

Observation Hole **TP 126** Test Pit Boring
 _____ " Depth of Organic Horizon Above Mineral Soil

Texture	Consistency	Color	Mottling
		DARK BROWN	
GRAVELLY SILT LOAM	FRIABLE		
		DARK YELLOWISH BROWN	
		OLIVE BROWN	
	FIRM	OLIVE	FEW FAINT
BEDROCK			

Soil Classification: _____ Slope: _____ % Limiting Factor: **35** " Ground Water Restrictive Layer Bedrock Pit Depth

Soil Series Name: **ELLIOTTSTVILLE** Drainage Class: _____ Hydrologic Group: _____

FOR WASTEWATER DISPOSAL

FOR SOILS MAPPING

FOR WASTEWATER DISPOSAL

FOR SOILS MAPPING

James Lopez (for AFA)
 Site Evaluator / Soil Scientist Signature

237/243
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 Date