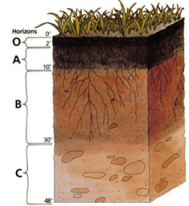


Soil and Environmental  
Consulting Services, Inc.



Thursday, February 24, 2022

Geo-Graphics, Inc  
614-231-2016  
gschweitzer@geo-graphicsinc.com

**Re: Soil investigation for on-site septic disposal for the subdivision at the southwest corner of Wilson and Blue Church Roads, Kingston Township, Delaware County, Ohio**

Enclosed you will find the requested detailed soil descriptions for the subdivision at the southwest corner of Wilson and Blue Church Roads, Kingston Township, Delaware County, Ohio

The soils of the selected sites were mapped and described on the enclosed sheets for your records. The locations of the soil borings have been located using GPS and the locations have been delineated on the enclosed map. Copies of this letter, soil boring descriptions, sketch, and system drawing should be submitted to local health department. The health department will make the determination if the soil and site area is suitable for onsite sewage treatment. It may also be necessary for the soil borings to be located by a surveyor.

Please protect all areas approved for septic disposal by having the contractor stake and rope off the proposed locations prior to driveway and basement excavation. No soil, building, or waste material should be stored on the proposed absorption areas. Disturbance to the areas may result in compaction and the subsequent failure of the system. Any disturbance to the absorption area voids the results of this analysis.

If you have any questions or want to move forward with the septic design process feel free to contact us.

Steven Miller, CPSS



## Site and Soil Evaluation for Sewage Treatment and Dispersal

County: Delaware  
 Township / Sec.: Kingston  
 Property Address/Location: SW Coner of Wilson & Blue Church  
Sunbury  
 Applicant Name: Geo-Graphics Ince  
 Address: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Lot #: \_\_\_\_\_  
 Test Hole #: 1  
 Latitude/Longitude: \_\_\_\_\_  
 Method:  Pit  Auger  Tube

Land Use / Vegetation: Forbs, Grasses & Bean Stubble  
 Landform: Till Plain  
 Position on Landform: Backslope  
 Percent Slope: 1 to 3%  
 Shape of Slope: Linear / Linear  
 Bedrooms or GPD: \_\_\_\_\_  
 Date: Monday, February 21, 2022  
 Evaluator: Steven Miller, CPSSc  
Soil & Environmental Consulting, Inc.  
P.O. Box 1121  
Delaware OH 43015  
 Job Number: 22B412  
 Soil Series: \_\_\_\_\_

  
 Signature: *Steven A. Miller*  
 Phone#: p-614.579.1164  
[soilconsultant@gmail.com](mailto:soilconsultant@gmail.com)

Soil Profile		Estimating Soil Saturation			Estimating Soil Permeability							Other Soil Features
		Munsell Color (hue, value, chroma)			Texture			Structure				
Horizon	Depth (inches)	Matrix Color	Redoximorphic Features		Class	Approx. % Clay	Approx. % Fragments	Grade	Size	Type (shape)	Consistence	
			Concentrations	Depletions								
Ap	0 to 4	10YR 4/3			sil	20	2	1	m	gr	fr	
AB	4 to 10	10YR 5/4 10YR 4/3		5%10YR 5/3	sicl	30	2	2	m	sbk	fi	
Bt	10 to 21	10YR5/4		15%10YR 5/2	sicl	35	2	2	m	sbk	fi	
BC	21 to 25	10YR 5/4		20%10YR 5/2	sicl	36	2	1	m	sbk	fi	
Cd	25+	10YR 4/4		15%10YR 5/2	cl	34	5	0		m	vfi	

Limiting Conditions	inches	Description	Remarks / Risk Factors:
Perched Seasonal Water Table	10	perched on glacial till	Surface water should be diverted around system. Subsurface ag drainage may be present.
Apparent Water Table	>60		
Highly Permeable Material	>60		
Bedrock	>60		
Restrictive Layer	25	glacial till	

#

Note : The evaluation shall include a complete site plan or site drawing including all requirements in paragraphs (B)(1) through (B)(4) of OAC 3701-29-08.

## Site and Soil Evaluation for Sewage Treatment and Dispersal

County: Delaware  
 Township / Sec.: Kingston  
 Property Address/Location: SW Coner of Wilson & Blue Church  
Sunbury  
 Applicant Name: Geo-Graphics Ince  
 Address: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Lot #: \_\_\_\_\_  
 Test Hole #: 2  
 Latitude/Longitude: \_\_\_\_\_  
 Method:  Pit  Auger  Tube

Land Use / Vegetation: Forbs, Grasses & Bean Stubble  
 Landform: Till Plain  
 Position on Landform: Backslope  
 Percent Slope: 1 to 3%  
 Shape of Slope: Linear / Linear  
 Bedrooms or GPD: \_\_\_\_\_  
 Date: Monday, February 21, 2022  
 Evaluator: Steven Miller, CPSSc  
Soil & Environmental Consulting, Inc.  
P.O. Box 1121  
Delaware OH 43015  
 Job Number: 22B412  
 Soil Series: \_\_\_\_\_

  
 Signature: *Steven A. Miller*  
 Phone#: p-614.579.1164  
[soilconsultant@gmail.com](mailto:soilconsultant@gmail.com)

Soil Profile		Estimating Soil Saturation			Estimating Soil Permeability							Other Soil Features
		Munsell Color (hue, value, chroma)			Texture			Structure				
Horizon	Depth (inches)	Matrix Color	Redoximorphic Features		Class	Approx. % Clay	Approx. % Fragments	Grade	Size	Type (shape)	Consistence	
			Concentrations	Depletions								
Ap	0 to 3	10YR 4/3			sil	20	2	1	m	gr	fr	
AB	3 to 9	10YR 5/4 10YR 4/3		10%10YR 5/3	sic1	32	2	2	m	sbk	fi	
Bt	9t o 20	10YR5/4		20%10Y R5/2	sic1	35	2	2	m	sbk	fi	
BC	20 to 23	10YR 5/4		25%10YR 5/2	sic1	34	2	1	m	sbk	fi	
Cd	23+	10YR 4/4		20%10YR 5/2	cl	32	5	0		m	vfi	

Limiting Conditions	inches	Description	Remarks / Risk Factors:
Perched Seasonal Water Table	9	perched on glacial till	Surface water should be diverted around system. Subsurface ag drainage may be present.
Apparent Water Table	>60		
Highly Permeable Material	>60		
Bedrock	>60		
Restrictive Layer	23	glacial till	

#

Note : The evaluation shall include a complete site plan or site drawing including all requirements in paragraphs (B)(1) through (B)(4) of OAC 3701-29-08.

## Site and Soil Evaluation for Sewage Treatment and Dispersal

County: Delaware  
 Township / Sec.: Kingston  
 Property Address/Location: SW Coner of Wilson & Blue Church  
Sunbury  
 Applicant Name: Geo-Graphics Ince  
 Address: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Lot #: \_\_\_\_\_  
 Test Hole #: 3  
 Latitude/Longitude: \_\_\_\_\_  
 Method:  Pit  Auger  Tube

Land Use / Vegetation: Forbs, Grasses & Bean Stubble  
 Landform: Till Plain  
 Position on Landform: Backslope  
 Percent Slope: 1 to 3%  
 Shape of Slope: Linear / Linear  
 Bedrooms or GPD: \_\_\_\_\_  
 Date: Monday, February 21, 2022  
 Evaluator: Steven Miller, CPSSc  
Soil & Environmental Consulting, Inc.  
P.O. Box 1121  
Delaware OH 43015  
 Job Number: 22B412  
 Soil Series: \_\_\_\_\_

  
 Signature: *Steven A. Miller*  
 Phone#: p-614.579.1164  
[soilconsultant@gmail.com](mailto:soilconsultant@gmail.com)

Soil Profile		Estimating Soil Saturation			Estimating Soil Permeability							Other Soil Features
		Munsell Color (hue, value, chroma)			Texture			Structure				
Horizon	Depth (inches)	Matrix Color	Redoximorphic Features		Class	Approx. % Clay	Approx. % Fragments	Grade	Size	Type (shape)	Consistence	
			Concentrations	Depletions								
Ap	0 to 4	10YR 4/3			sil	20	2	1	m	gr	fr	
BA	4 to 10	10YR 5/4 10YR 4/3		15%10YR 5/3	sicl	30	2	2	m	sbk	fi	
Bt	10 to 22	10YR5/4		25%10YR 5/2	sicl	36	2	2	m	sbk	fi	
BC	22 to 25	10YR 5/4		20%10YR 5/2	sicl	35	2	1	m	sbk	fi	
Cd	25+	10YR 4/4		15%10YR 5/2	cl	32	5	0		m	vfi	

Limiting Conditions	inches	Description	Remarks / Risk Factors:
Perched Seasonal Water Table	10	perched on glacial till	Surface water should be diverted around system. Subsurface ag drainage may be present.
Apparent Water Table	>60		
Highly Permeable Material	>60		
Bedrock	>60		
Restrictive Layer	25	glacial till	

#

Note : The evaluation shall include a complete site plan or site drawing including all requirements in paragraphs (B)(1) through (B)(4) of OAC 3701-29-08.

## Site and Soil Evaluation for Sewage Treatment and Dispersal

County: Delaware  
 Township / Sec.: Kingston  
 Property Address/Location: SW Coner of Wilson & Blue Church  
Sunbury  
 Applicant Name: Geo-Graphics Ince  
 Address: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Lot #: \_\_\_\_\_  
 Test Hole #: 4  
 Latitude/Longitude: \_\_\_\_\_  
 Method:  Pit  Auger  Tube

Land Use / Vegetation: Forbs, Grasses & Bean Stubble  
 Landform: Till Plain  
 Position on Landform: Backslope  
 Percent Slope: 2 to 3%  
 Shape of Slope: Linear / Linear  
 Bedrooms or GPD: \_\_\_\_\_  
 Date: Monday, February 21, 2022  
 Evaluator: Steven Miller, CPSSc  
Soil & Environmental Consulting, Inc.  
P.O. Box 1121  
Delaware OH 43015  
 Job Number: 22B412  
 Soil Series: \_\_\_\_\_



Signature: *Steven A. Miller*  
 Phone#: p-614.579.1164  
[soilconsultant@gmail.com](mailto:soilconsultant@gmail.com)

Soil Profile		Estimating Soil Saturation			Estimating Soil Permeability							Other Soil Features
		Munsell Color (hue, value, chroma)			Redoximorphic Features			Texture			Structure	
Horizon	Depth (inches)	Matrix Color	Concentrations	Depletions	Class	Approx. % Clay	Approx. % Fragments	Grade	Size	Type (shape)	Consistence	
Ap	0 to 5	10YR 4/3			sil	20	2	1	m	gr	fr	
BA	5 to 9	10YR 5/4 10YR 4/3		10%10YR 5/3	sicl	32	2	2	m	sbk	fi	
Bt	9 to 23	10YR5/4		20%10YR 5/2	sicl	36	2	2	m	sbk	fi	
BC	23 to 26	10YR 5/4		25%10YR 5/2	sicl	34	2	1	m	sbk	fi	
Cd	26+	10YR 4/4		20%10YR 5/2	cl	32	5	0		m	vfi	

Limiting Conditions	inches	Description	Remarks / Risk Factors:
Perched Seasonal Water Table	9	perched on glacial till	Surface water should be diverted around system. Subsurface ag drainage may be present.
Apparent Water Table	>60		
Highly Permeable Material	>60		
Bedrock	>60		
Restrictive Layer	26	glacial till	

#

Note : The evaluation shall include a complete site plan or site drawing including all requirements in paragraphs (B)(1) through (B)(4) of OAC 3701-29-08.

## Site and Soil Evaluation for Sewage Treatment and Dispersal

County: Delaware  
 Township / Sec.: Kingston  
 Property Address/Location: SW Coner of Wilson & Blue Church  
Sunbury  
 Applicant Name: Geo-Graphics Ince  
 Address: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Lot #: \_\_\_\_\_  
 Test Hole #: 5  
 Latitude/Longitude: \_\_\_\_\_  
 Method:  Pit  Auger  Tube

Land Use / Vegetation: Forbs, Grasses & Bean Stubble  
 Landform: Till Plain  
 Position on Landform: Backslope  
 Percent Slope: 1 to 3%  
 Shape of Slope: Linear / Linear  
 Bedrooms or GPD: \_\_\_\_\_  
 Date: Monday, February 21, 2022  
 Evaluator: Steven Miller, CPSSc  
Soil & Environmental Consulting, Inc.  
P.O. Box 1121  
Delaware OH 43015  
 Job Number: 22B412  
 Soil Series: \_\_\_\_\_

  
 Signature:   
 Phone#: p-614.579.1164  
[soilconsultant@gmail.com](mailto:soilconsultant@gmail.com)

Soil Profile		Estimating Soil Saturation			Estimating Soil Permeability							Other Soil Features
		Munsell Color (hue, value, chroma)			Texture			Structure				
Horizon	Depth (inches)	Matrix Color	Redoximorphic Features		Class	Approx. % Clay	Approx. % Fragments	Grade	Size	Type (shape)	Consistence	
			Concentrations	Depletions								
Ap	0 to 5	10YR 4/3			sil	20	2	1	m	gr	fr	
BA	5 to 10	10YR 5/4 10YR 4/3		5%10YR 5/3	sicl	32	2	2	m	sbk	fi	
Bt	10 to 20	10YR5/4		15%10YR 5/2	sicl	37	2	2	m	sbk	fi	
BC	20 to 22	10YR 5/4		20%10YR 5/2	sicl	36	2	1	m	sbk	fi	
Cd	22+	10YR 4/4		15%10YR 5/2	cl	34	5	0		m	vfi	

Limiting Conditions	inches	Description	Remarks / Risk Factors:
Perched Seasonal Water Table	10	perched on glacial till	Surface water should be diverted around system. Subsurface ag drainage may be present.
Apparent Water Table	>60		
Highly Permeable Material	>60		
Bedrock	>60		
Restrictive Layer	22	glacial till	

#

Note : The evaluation shall include a complete site plan or site drawing including all requirements in paragraphs (B)(1) through (B)(4) of OAC 3701-29-08.

## Site and Soil Evaluation for Sewage Treatment and Dispersal

County: Delaware  
 Township / Sec.: Kingston  
 Property Address/Location: SW Coner of Wilson & Blue Church  
Sunbury  
 Applicant Name: Geo-Graphics Ince  
 Address: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Lot #: \_\_\_\_\_  
 Test Hole #: 6  
 Latitude/Longitude: \_\_\_\_\_  
 Method:  Pit  Auger  Tube

Land Use / Vegetation: Forbs, Grasses & Bean Stubble  
 Landform: Till Plain  
 Position on Landform: Backslope  
 Percent Slope: 1 to 3%  
 Shape of Slope: Linear / Linear  
 Bedrooms or GPD: \_\_\_\_\_  
 Date: Monday, February 21, 2022  
 Evaluator: Steven Miller, CPSSc  
Soil & Environmental Consulting, Inc.  
P.O. Box 1121  
Delaware OH 43015  
 Job Number: 22B412  
 Soil Series: \_\_\_\_\_



Signature: *Steven A. Miller*  
 Phone#: p-614.579.1164  
[soilconsultant@gmail.com](mailto:soilconsultant@gmail.com)

Soil Profile		Estimating Soil Saturation			Estimating Soil Permeability							Other Soil Features
		Munsell Color (hue, value, chroma)			Texture			Structure				
Horizon	Depth (inches)	Matrix Color	Redoximorphic Features		Class	Approx. % Clay	Approx. % Fragments	Grade	Size	Type (shape)	Consistence	
			Concentrations	Depletions								
Ap	0 to 4	10YR 4/3			sil	20	2	1	m	gr	fr	
BA	4 to 8	10YR 5/4 10YR 4/3		5%10YR 5/3	sicl	33	2	2	m	sbk	fi	
Bt	8 to 23	10YR5/4		10%10YR 5/2	sicl	36	2	2	m	sbk	fi	
BC	23 to 26	10YR 5/4		15%10YR 5/2	sicl	34	2	1	m	sbk	fi	
Cd	26+	10YR 4/4		10%10YR 5/2	cl	32	5	0		m	vfi	

Limiting Conditions	inches	Description	Remarks / Risk Factors:
Perched Seasonal Water Table	8	perched on glacial till	Surface water should be diverted around system. Subsurface ag drainage may be present.
Apparent Water Table	>60		
Highly Permeable Material	>60		
Bedrock	>60		
Restrictive Layer	26	glacial till	

#

Note : The evaluation shall include a complete site plan or site drawing including all requirements in paragraphs (B)(1) through (B)(4) of OAC 3701-29-08.

## Site and Soil Evaluation for Sewage Treatment and Dispersal

County: Delaware  
 Township / Sec.: Kingston  
 Property Address/Location: SW Coner of Wilson & Blue Church  
Sunbury  
 Applicant Name: Geo-Graphics Ince  
 Address: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Lot #: \_\_\_\_\_  
 Test Hole #: 7  
 Latitude/Longitude: \_\_\_\_\_  
 Method:  Pit  Auger  Tube

Land Use / Vegetation: Forbs, Grasses & Bean Stubble  
 Landform: Till Plain  
 Position on Landform: Backslope  
 Percent Slope: 1 to 3%  
 Shape of Slope: Linear / Linear  
 Bedrooms or GPD: \_\_\_\_\_  
 Date: Monday, February 21, 2022  
 Evaluator: Steven Miller, CPSSc  
Soil & Environmental Consulting, Inc.  
P.O. Box 1121  
Delaware OH 43015  
 Job Number: 22B412  
 Soil Series: \_\_\_\_\_

  
 Signature: *Steven A. Miller*  
 Phone#: p-614.579.1164  
[soilconsultant@gmail.com](mailto:soilconsultant@gmail.com)

Soil Profile		Estimating Soil Saturation			Estimating Soil Permeability							Other Soil Features
		Munsell Color (hue, value, chroma)			Redoximorphic Features			Texture			Structure	
Horizon	Depth (inches)	Matrix Color	Concentrations	Depletions	Class	Approx. % Clay	Approx. % Fragments	Grade	Size	Type (shape)	Consistence	
Ap	0 to 5	10YR 4/3			sil	20	2	1	m	gr	fr	
BA	5 to 9	10YR 5/4 10YR 4/3		10%10YR 5/3	sicl	35	2	2	m	sbk	fi	
Bt	9 to 24	10YR5/4		15%10YR 5/2	sicl	36	2	2	m	sbk	fi	
BC	24 to 28	10YR 5/4		20%10Yr 5/2	sicl	33	2	1	m	sbk	fi	
Cd	28+	10YR 4/4		15%10YR 5/2	cl	32	5	0		m	vfi	

Limiting Conditions	inches	Description	Remarks / Risk Factors:
Perched Seasonal Water Table	9	perched on glacial till	Surface water should be diverted around system. Subsurface ag drainage may be present.
Apparent Water Table	>60		
Highly Permeable Material	>60		
Bedrock	>60		
Restrictive Layer	28	glacial till	

#

Note : The evaluation shall include a complete site plan or site drawing including all requirements in paragraphs (B)(1) through (B)(4) of OAC 3701-29-08.

## Site and Soil Evaluation for Sewage Treatment and Dispersal

County: Delaware  
 Township / Sec.: Kingston  
 Property Address/Location: SW Coner of Wilson & Blue Church  
Sunbury  
 Applicant Name: Geo-Graphics Ince  
 Address: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Lot #: \_\_\_\_\_  
 Test Hole #: 8  
 Latitude/Longitude: \_\_\_\_\_  
 Method:  Pit  Auger  Tube

Land Use / Vegetation: Forbs, Grasses & Bean Stubble  
 Landform: Till Plain  
 Position on Landform: Backslope  
 Percent Slope: 1 to 3%  
 Shape of Slope: Linear / Linear  
 Bedrooms or GPD: \_\_\_\_\_  
 Date: Monday, February 21, 2022  
 Evaluator: Steven Miller, CPSSc  
Soil & Environmental Consulting, Inc.  
P.O. Box 1121  
Delaware OH 43015  
 Job Number: 22B412  
 Soil Series: \_\_\_\_\_

  
 Signature: *Steven A. Miller*  
 Phone#: p-614.579.1164  
[soilconsultant@gmail.com](mailto:soilconsultant@gmail.com)

Soil Profile		Estimating Soil Saturation			Estimating Soil Permeability							Other Soil Features
		Munsell Color (hue, value, chroma)			Redoximorphic Features			Texture		Structure		
Horizon	Depth (inches)	Matrix Color	Concentrations	Depletions	Class	Approx. % Clay	Approx. % Fragments	Grade	Size	Type (shape)	Consistence	
Ap	0 to 4	10YR 4/3			sil	20	2	1	m	gr	fr	
BA	4 to 9	10YR 5/4 10YR 4/3		10%10Y R5/3	sicl	34	2	2	m	sbk	fi	
Bt	9 to 20	10YR5/4		20%10YR 5/2	sicl	36	2	2	m	sbk	fi	
BC	20 to 23	10YR 5/4		25%10YR 5/2	sicl	34	2	1	m	sbk	fi	
Cd	23+	10YR 4/4		10%10Yr 5/2	cl	32	5	0		m	vfi	

Limiting Conditions	inches	Description	Remarks / Risk Factors:
Perched Seasonal Water Table	9	perched on glacial till	Surface water should be diverted around system. Subsurface ag drainage may be present.
Apparent Water Table	>60		
Highly Permeable Material	>60		
Bedrock	>60		
Restrictive Layer	23	glacial till	

#

Note : The evaluation shall include a complete site plan or site drawing including all requirements in paragraphs (B)(1) through (B)(4) of OAC 3701-29-08.

## Site and Soil Evaluation for Sewage Treatment and Dispersal

County: Delaware  
 Township / Sec.: Kingston  
 Property Address/Location: SW Coner of Wilson & Blue Church  
Sunbury  
 Applicant Name: Geo-Graphics Ince  
 Address: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Lot #: \_\_\_\_\_  
 Test Hole #: 9  
 Latitude/Longitude: \_\_\_\_\_  
 Method:  Pit  Auger  Tube

Land Use / Vegetation: Forbs, Grasses & Bean Stubble  
 Landform: Till Plain  
 Position on Landform: Backslope  
 Percent Slope: 1 to 3%  
 Shape of Slope: Linear / Linear  
 Bedrooms or GPD: \_\_\_\_\_  
 Date: Monday, February 21, 2022  
 Evaluator: Steven Miller, CPSSc  
Soil & Environmental Consulting, Inc.  
P.O. Box 1121  
Delaware OH 43015  
 Job Number: 22B412  
 Soil Series: \_\_\_\_\_

  
 Signature: *Steven A. Miller*  
 Phone#: p-614.579.1164  
[soilconsultant@gmail.com](mailto:soilconsultant@gmail.com)

Soil Profile		Estimating Soil Saturation			Estimating Soil Permeability							Other Soil Features
		Munsell Color (hue, value, chroma)			Texture			Structure				
Horizon	Depth (inches)	Matrix Color	Redoximorphic Features		Class	Approx. % Clay	Approx. % Fragments	Grade	Size	Type (shape)	Consistence	
			Concentrations	Depletions								
Ap	0 to 4	10YR 4/3			sil	20	2	1	m	gr	fr	
BA	4 to 6	10YR 5/4 10YR 4/3		25%10Yr 5/3	sicl	30	2	2	m	sbk	fi	
Bt	6 to 20	10YR5/4		30%10YR 5/2	sicl	36	2	2	m	sbk	fi	
BC	20 to 22	10YR 5/4		20%10YR 5/2	sicl	34	2	1	m	sbk	fi	
Cd	22+	10YR 4/4		15%10YR 5/2	cl	32	5	0		m	vfi	

Limiting Conditions	inches	Description	Remarks / Risk Factors:
Perched Seasonal Water Table	6	perched on glacial till	Surface water should be diverted around system. Subsurface ag drainage may be present.
Apparent Water Table	>60		
Highly Permeable Material	>60		
Bedrock	>60		
Restrictive Layer	22	glacial till	

#

Note : The evaluation shall include a complete site plan or site drawing including all requirements in paragraphs (B)(1) through (B)(4) of OAC 3701-29-08.

## Site and Soil Evaluation for Sewage Treatment and Dispersal

County: Delaware  
 Township / Sec.: Kingston  
 Property Address/Location: SW Coner of Wilson & Blue Church  
Sunbury  
 Applicant Name: Geo-Graphics Ince  
 Address: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Lot #: \_\_\_\_\_  
 Test Hole #: 10  
 Latitude/Longitude: \_\_\_\_\_  
 Method:  Pit  Auger  Tube

Land Use / Vegetation: Forbs, Grasses & Bean Stubble  
 Landform: Till Plain  
 Position on Landform: Backslope  
 Percent Slope: 1 to 3%  
 Shape of Slope: Linear / Linear  
 Bedrooms or GPD: \_\_\_\_\_  
 Date: Monday, February 21, 2022  
 Evaluator: Steven Miller, CPSSc  
Soil & Environmental Consulting, Inc.  
P.O. Box 1121  
Delaware OH 43015  
 Job Number: 22B412  
 Soil Series: \_\_\_\_\_



Signature: *Steven A. Miller*  
 Phone#: p-614.579.1164  
[soilconsultant@gmail.com](mailto:soilconsultant@gmail.com)

Soil Profile		Estimating Soil Saturation			Estimating Soil Permeability							Other Soil Features
		Munsell Color (hue, value, chroma)			Texture			Structure				
Horizon	Depth (inches)	Matrix Color	Redoximorphic Features		Class	Approx. % Clay	Approx. % Fragments	Grade	Size	Type (shape)	Consistence	
			Concentrations	Depletions								
Ap	0 to 4	10YR 4/3			sil	20	2	1	m	gr	fr	
BA	4 to 6	10YR 5/4 10YR 4/3		10%10YR 5/3	sicl	32	2	2	m	sbk	fi	
Bt	6 to 18	10YR5/4		15%10YR 5/2	sicl	36	2	2	m	sbk	fi	
BC	18 to 20	10YR 5/4		25%10YR 5/2	sicl	33	2	1	m	sbk	fi	
Cd	20 +	10YR 4/4		20%10YR 5/2	cl	30	5	0		m	vfi	

Limiting Conditions	inches	Description	Remarks / Risk Factors:
Perched Seasonal Water Table	6	perched on glacial till	Surface water should be diverted around system. Subsurface ag drainage may be present.
Apparent Water Table	>60		
Highly Permeable Material	>60		
Bedrock	>60		
Restrictive Layer	20	glacial till	

#

Note : The evaluation shall include a complete site plan or site drawing including all requirements in paragraphs (B)(1) through (B)(4) of OAC 3701-29-08.

Landforms
Upland*
Terrace
Flood Plain
Lake Plain
Beach Ridge
*Includes glacial till plain and end moraine

Position on Landform
Depression
Flat
Knoll
Crest
Hillslope
Footslope

Shape of Slope
Convex
Concave
Linear
Complex

Horizon Nomenclature			
Master Horizons		Horizon Suffixes	Horizon Modifiers
O	Predominantly organic matter (litter & humus)	a	Numerical Prefixes: Used to denote lithologic discontinuities.  Numerical Suffixes: Used to denote subdivisions within a master horizon.
A	Mineral, organic matter (humus) accumulation, loss of Fe, Al, clay	b	
E	Mineral, loss of Si, Fe, Al, clay, organic matter	d	
B	Subsurface accumulation of clay, Fe, Al, Si, humus; sesquioxides; loss of CaCO <sub>3</sub> ; subsurface soil structure	e	
C	Little or no pedogenic alteration, unconsolidated earthy material, soft bedrock	g	
R	Hard bedrock	i	
		p	
		r	
		t	
		w	
		x	

Soil Texture			
Texture Class Abbreviations		Textural Class Modifiers	
Course Sand	cos	Gravelly	GR
Sand	s	Fine Gravelly	FGR
Fine Sand	fs	Medium Gravelly	MGR
Very Fine Sand	vfs	Coarse Gravelly	CGR
Loamy Coarse Sand	lcos	Very Gravelly	VGR
Loamy Sand	ls	Extremely Gravelly	XGR
Loamy Fine Sand	lfs	Cobbly	CB
Loamy Very Fine Sand	lvfs	Very Cobbly	VCB
Coarse Sandy Loam	cosl	Extremely Cobbly	XCB
Sandy Loam	sl	Stony	ST
Fine Sandy Loam	fsl	Very Stony	VST
Very Fine Sandy Loam	vfsl	Extremely Stony	XST
Loam	l	Bouldery	BY
Silt Loam	sil	Very Bouldery	VBY
Silt	si	Extremely Bouldery	XBY
Sandy Clay Loam	scl	Channery	CN
Clay Loam	cl	Very Channery	VCN
Silty Clay Loam	sicl	Extremely Channery	XCN
Sandy Clay	sc	Flaggy	FL
Silty Clay	sic	Very Flaggy	VFL
Clay	c	Extremely Flaggy	XFL

\*Estimate approximate clay percentage within 5 percent

Soil Structure					
Grade		Size		Type (Shape)	
Structureless	0	Very Fine	vf	Granular	gr
Weak	1	Fine	f	Angular Blocky	abk
Moderate	2	Medium	m	Subangular Blocky	sbk
Strong	3	Coarse	co	Platy	pl
		Very Coarse	vc	Prismatic	pr
		Extr. Coarse	ec	Columnar	cpr
		Very Thin*	vn	Single Grain	sg
		Thin*	tn	Massive	m
		Thick*	tk	Cloddy	CDY
		Very Thick*	vk		

\* The sizes Very Thin, Thin, Thick, and Very Thick, are used when describing platy structure only. Substitute thin for fine, and thick for coarse when describing platy structure.

Moist Consistence	
Loose	l
Very Friable	vfr
Friable	fr
Firm	fi
Very Firm	vfi
Extremely Firm	efi

For a more detailed explanation on describing and sampling soils, please refer to the "Field Book for Describing and Sampling Soils" Schoeneberger, P.J., Wysocki, D.A., Benham, E.C., and Broderson, W.D. (editors) 2002. Field book for describing and sampling soils, version 2.0. Natural Resources Conservation Service, USDA, National Soil Survey Center, Lincoln, NE.