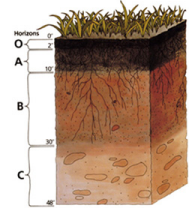


Soil and Environmental
Consulting Services, Inc.



Friday, May 03, 2024

Lori Garland
lorigarland@aol.com

Re: Soil investigation for on-site septic disposal for the parcel splits at the northeast corner of County Road 25 and County Road 170, Harmony Township, Morrow County, Ohio.

Enclosed you will find the requested detailed soil descriptions for the parcel splits at the northeast corner of County Road 25 and County Road 170, Harmony Township, Morrow 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.

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



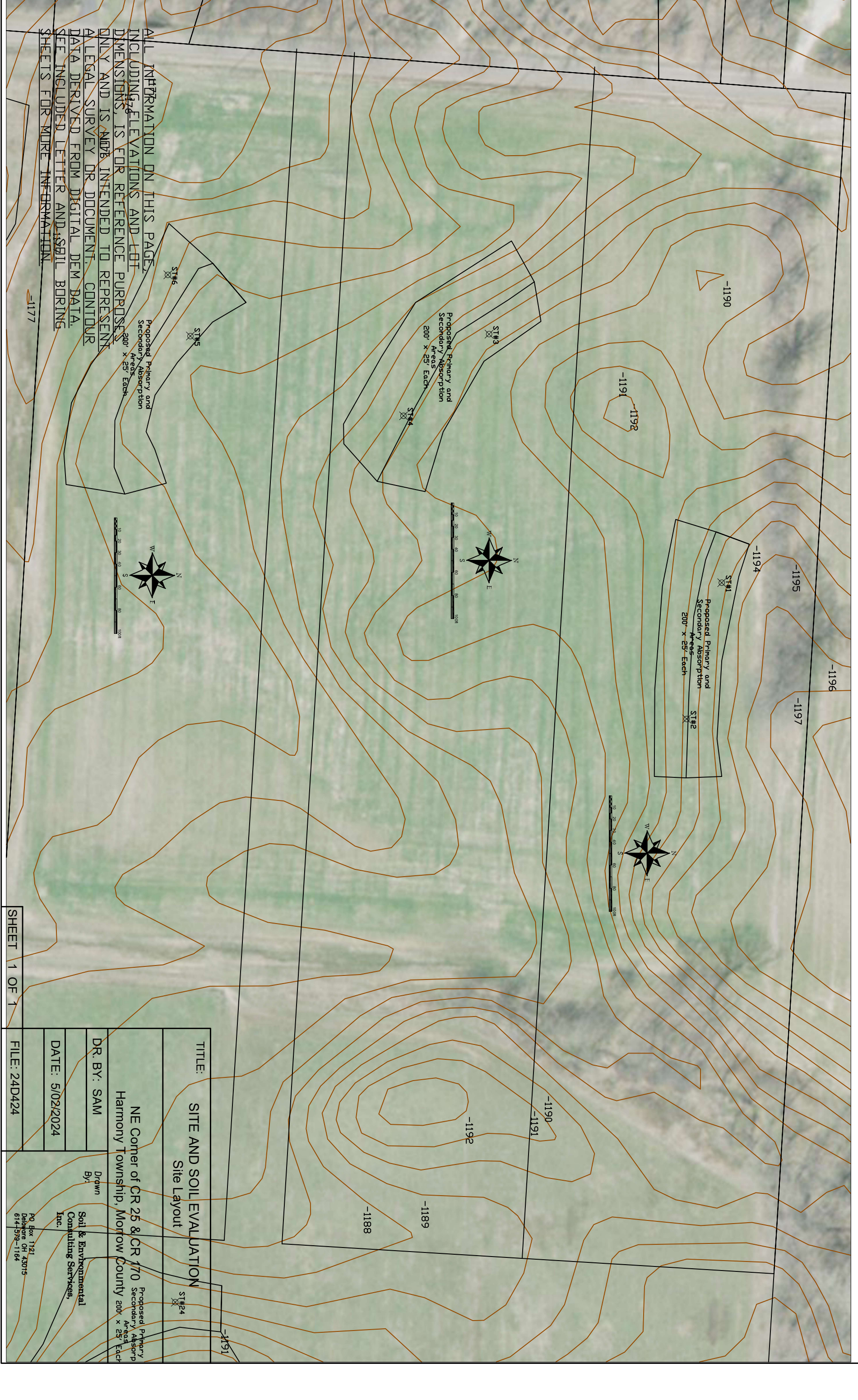
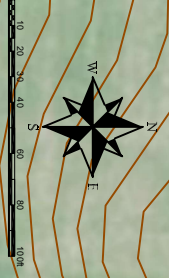
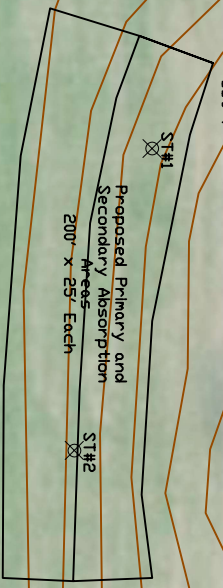
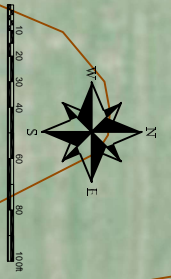
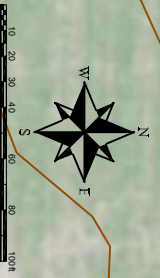
ALL INFORMATION ON THIS PAGE, INCLUDING ELEVATIONS AND LOT DIMENSIONS IS FOR REFERENCE PURPOSES ONLY AND IS NOT INTENDED TO REPRESENT A LEGAL SURVEY OR DOCUMENT. THE CONTOUR DATA DERIVED FROM DIGITAL DEM DATA. SEE INCLUDED CENTER AND SOIL BORING SHEETS FOR MORE INFORMATION.

SHEET 1 OF 1

FILE: 24B424

TITLE:	SITE AND SOIL EVALUATION Site Layout	
DR. BY:	S.A.M.	
DATE:	5/02/2024	
DR. BY:	By:	Drawn
NE Corner of CR 25 & CR 170 Harmony Township, Morrow County		Soil & Environmental Consulting Services, Inc.
PO Box 1121 Delaware OH 43015-415 614-579-1164		

ALL INFORMATION ON THIS PAGE, INCLUDING ELEVATIONS AND LOT DIMENSIONS, IS FOR REFERENCE PURPOSES ONLY AND IS NOT INTENDED TO REPRESENT A LEGAL SURVEY OR DOCUMENT. CONTOUR DATA DERIVED FROM DIGITAL DEM DATA. SEE INCLUDED LETTER AND SOIL BORING SHEETS FOR MORE INFORMATION.

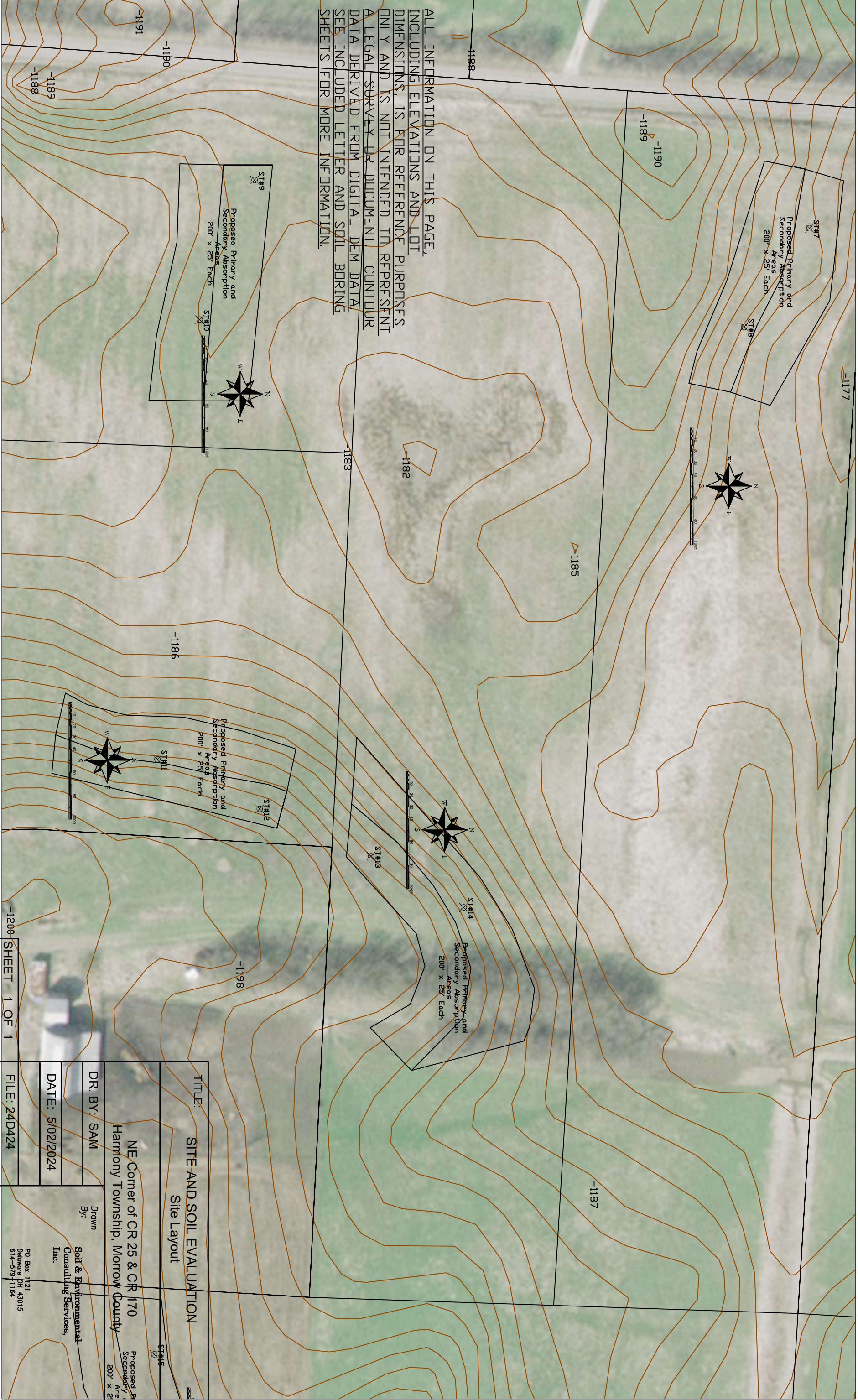


SHEET 1 OF 1

TITLE: SITE AND SOIL EVALUATION Site Layout	
DR. BY: SAM	
DATE: 5/02/2024	
FILE: 24D424	
Drawn By: Soil & Environmental Consulting Services, Inc.	PO Box 1121 Delaware OH 43015 614-579-1164

NE Corner of CR 25 & CR 170
 Harmony Township, Morrow County
 Proposed Primary and Secondary Absorption Areas 200' x 25' Each

ALL INFORMATION ON THIS PAGE,
INCLUDING ELEVATIONS AND LOT
DIMENSIONS, IS FOR REFERENCE PURPOSES
ONLY AND IS NOT INTENDED TO REPRESENT
A LEGAL SURVEY OR DOCUMENT. CONTOUR
DATA DERIVED FROM DIGITAL DEM DATA.
SEE INCLUDED LETTER AND SOIL BORING
SHEETS FOR MORE INFORMATION.



TITLE:
SITE AND SOIL EVALUATION
Site Layout

NE Corner of CR 25 & CR 170
Harmony Township, Morrow County

DR. BY: SAM

DATE: 5/02/2024

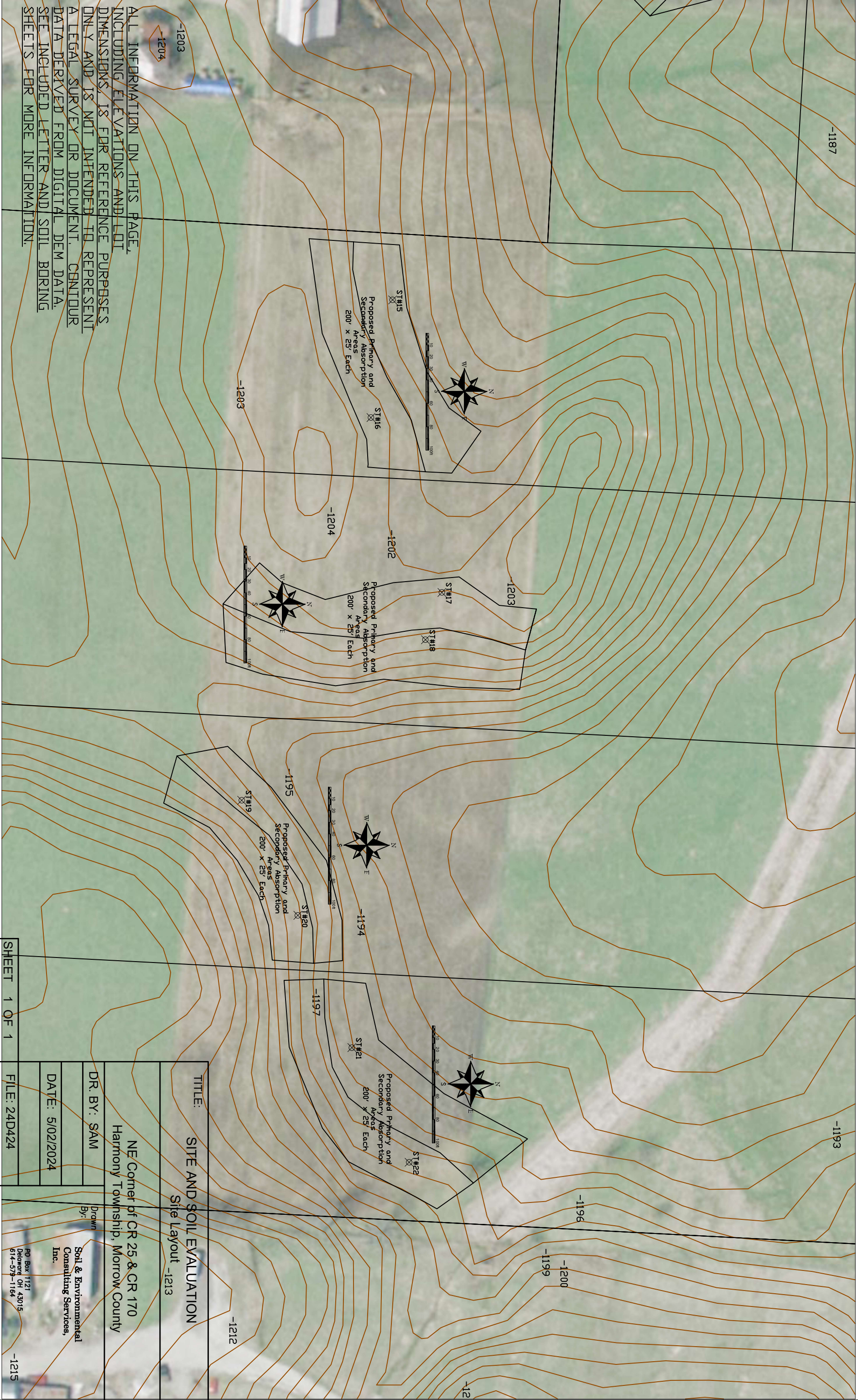
FILE: 24D424

Drawn
By:

**Soil & Environmental
Consulting Services,
Inc.**

PO Box 1121
Delaware, OH 43015
614-579-1164

Proposed P
Secondary
Absorption
Area
200' x 25'



ALL INFORMATION ON THIS PAGE, INCLUDING ELEVATIONS AND LOT DIMENSIONS, IS FOR REFERENCE PURPOSES ONLY AND IS NOT INTENDED TO REPRESENT A LEGAL SURVEY OR DOCUMENT. CONTOUR DATA DERIVED FROM DIGITAL DEM DATA. SEE INCLUDED LETTER AND SOIL BORING SHEETS FOR MORE INFORMATION.

SHEET 1 OF 1

TITLE: SITE AND SOIL EVALUATION Site Layout -1213	
NE Corner of CR 25 & CR 170 Harmony Township, Morrow County	
DR. BY: SAM	Drawn By:
DATE: 5/02/2024	Soil & Environmental Consulting Services, Inc.
FILE: 24D424	PO Box 1121 Delaware OH 43015 614-579-1164

-1215



ALL INFORMATION ON THIS PAGE, INCLUDING ELEVATIONS AND LOT DIMENSIONS, IS FOR REFERENCE PURPOSES ONLY AND IS NOT INTENDED TO REPRESENT A LEGAL SURVEY OR DOCUMENT. CONTOUR DATA DERIVED FROM DIGITAL DEM DATA. SEE INCLUDED LETTER AND SOIL BORING SHEETS FOR MORE INFORMATION.

SHEET 1 OF 1

TITLE: SITE AND SOIL EVALUATION Site Layout	
NE Corner of CR 25 & CR 170 Harmony Township, Morrow County	
DR. BY: SAM	Drawn By:
DATE: 5/02/2024	Soil & Environmental Consulting Services, Inc.
FILE: 24D424	PO Box 1121 Delaware OH 43015 614-579-1164

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 Highly decomposed organic matter	Numerical Prefixes: Used to denote lithologic discontinuities.
A	Mineral, organic matter (humus) accumulation, loss of Fe, Al, clay	b Buried genetic horizon	
E	Mineral, loss of Si, Fe, Al, clay, organic matter	d Densic layer (physically root restrictive)	Numerical Suffixes: Used to denote subdivisions within a master horizon.
B	Subsurface accumulation of clay, Fe, Al, Si, humus; sesquioxides; loss of CaCO ₃ ; subsurface soil structure	e Moderately decomposed organic matter	
C	Little or no pedogenic alteration, unconsolidated earthy material, soft bedrock	g Strong gley	
R	Hard bedrock	i Slightly decomposed organic matter	
		p Plow layer or artificial disturbance	
		r Weathered or soft bedrock	
		t Illuvial accumulation of silicate clay	
		w Weak color or structure within B	
		x Fragipan characteristics	

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 vfl	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 siel	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.

Site and Soil Evaluation for Sewage Treatment and Dispersal

County: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170
 Applicant Name: Lori Garland
 Address: _____
 Phone #: _____
 Lot #: _____
 Test Hole #: 1
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Ag Field
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 6 to 7%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____



Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
soilconsultant@yahoo.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 8	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	8 to 14	10YR 5/6		5%10YR 5/3	sic1	30	2	2	m	sbk	fi	
Bt2	14 to 25	10YR 5/4		10%10yR 5/2	sic1	35	2	2	m	sbk	fi	
BC	25 to 30	10YR 5/4		15%10YR 5/2	sic1	32	2	1	m	sbk	fi	
Cd	30+	10YR 4/3		20%10yR 5/2	cl	30	5	0		m	vfi	

Limiting Conditions	inches	Description	Remarks / Risk Factors:
Perched Seasonal Water Table	14	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	30	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: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170

 Applicant Name: Lori Garland
 Address: _____
 Phone #: _____
 Lot #: _____
 Test Hole #: 2
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Ag Field
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 6 to 7%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____



Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
soilconsultant@yahoo.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 8	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	8 to 22	10YR 5/6		10%10yR 5/2	sicl	32	2	2	m	sbk	fi	
Bt2	22 to 32	10Yr 5/4		15%10YR 5/2	sicl	36	2	2	m	sbk	fi	
BC	32 to 34	10YR 5/4		20%10YR 5/2	sicl	35	2	1	m	sbk	fi	
Cd	34+	10YR 5/4		15%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	34	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: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170
 Applicant Name: Lori Garland
 Address: _____
 Phone #: _____
 Lot #: _____
 Test Hole #: 3
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Ag Field
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 6 to 7%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____



Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
soilconsultant@yahoo.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 9	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	9 to 12	10YR 5/6		10%10YR 5/3	sic1	30	2	2	m	sbk	fi	
Bt2	12 to 23	10YR 5/4		10%10YR 5/2	sic1	35	2	2	m	sbk	fi	
BC	23 to 38	10YR 5/4		15%10YR 5/2	sic1	32	2	1	m	sbk	fi	
Cd	38+	10YR 5/4		20%10YR 5/2	cl	30	5	0		m	vfi	

Limiting Conditions	inches	Description	Remarks / Risk Factors:
Perched Seasonal Water Table	12	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	38	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: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170

 Applicant Name: Lori Garland
 Address: _____

 Phone #: _____
 Lot #: _____
 Test Hole #: 4
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Ag Field
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 6 to 7%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____



Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
soilconsultant@yahoo.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 8	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	8 to 12	10YR 5/6		5%10YR 5/2	sicl	32	2	2	m	sbk	fi	
Bt2	12 to 25	10YR 5/4		15%10R 5/2	sicl	36	2	2	m	sbk	fi	
BC	25 to 29	10YR 5/4		20%10YR 5/2	sicl	34	2	1	m	sbk	fi	
Cd	29+	10YR 5/4		25%10YR 5/2	cl	32	5	0		m	vfi	

Limiting Conditions	inches	Description	Remarks / Risk Factors:
Perched Seasonal Water Table	12	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	29	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: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170

 Applicant Name: Lori Garland
 Address: _____

 Phone #: _____
 Lot #: _____
 Test Hole #: 5
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Ag Field
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 4 to 5%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____



Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
soilconsultant@yahoo.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 7	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	7 to 11	10YR 5/4		10%10YR 5/3	sic1	30	2	2	m	sbk	fi	
Bt2	11 to 34	10YR 5/4		15%10YR 5/2	sic1	35	2	2	m	sbk	fi	
BC	34 to 40	10YR 5/4		20%10YR 5/2	sic1	32	2	1	m	sbk	fi	
Cd	40+	10YR 5/4		25%10YR 5/2	cl	30	5	0		m	vfi	

Limiting Conditions	inches	Description	Remarks / Risk Factors:
Perched Seasonal Water Table	11	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	40	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: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170

 Applicant Name: Lori Garland
 Address: _____
 Phone #: _____
 Lot #: _____
 Test Hole #: 6
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Ag Field
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 4 to 5%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____



Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
soilconsultant@yahoo.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 8	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	8 to 12	10YR 5/4		15%10YR 5/3	sic1	32	2	2	m	sbk	fi	
Bt2	12 to 33	10YR 5/4		10%10YR 5/2	sic1	36	2	2	m	sbk	fi	
BC	33 to 36	10YR 5/4		15%10YR 5/2	sic1	34	2	1	m	sbk	fi	
Cd	36+	10YR 5/4		20%10YR 5/2	cl	32	5	0		m	vfi	

Limiting Conditions	inches	Description	Remarks / Risk Factors:
Perched Seasonal Water Table	12	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	36	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: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170

 Applicant Name: Lori Garland
 Address: _____
 Phone #: _____
 Lot #: _____
 Test Hole #: 7
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Ag Field
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 4 to 5%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____



Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
soilconsultant@yahoo.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 8	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	8 to 25	10YR 5/4		20%10YR 5/2	sic1	35	2	2	m	sbk	fi	
Bt2	25 to 44	10YR 5/4		25%10YR 5/2	sic1	36	2	2	m	sbk	fi	
BC	44 to 47	10YR 5/4		30%10YR 5/2	sic1	32	2	1	m	sbk	fi	
Cd	47+	10YR 5/4		25%10YR 5/2	cl	30	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	47	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: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170
 Applicant Name: Lori Garland
 Address: _____
 Phone #: _____
 Lot #: _____
 Test Hole #: 8
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Ag Field
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 8 to 9%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____



Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
soilconsultant@yahoo.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 8	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	8 to 17	10YR 5/4		15%10YR 5/2	sicl	35	2	2	m	sbk	fi	
Bt2	17 to 24	10YR 5/4		20%0YR 5/2	sicl	38	2	2	m	sbk	fi	
BC	24 to 30	10YR 5/4		25%10YR 5/2	sicl	36	2	1	m	sbk	fi	
Cd	30+	10YR 5/4		15%10YR 5/2	cl	34	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	30	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: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170
 Applicant Name: Lori Garland
 Address: _____
 Phone #: _____
 Lot #: _____
 Test Hole #: 9
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Ag Field
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 2 to 3%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____



Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
soilconsultant@yahoo.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 8	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	8 to 29	10YR 5/4		25%10YR 5/2	sicl	32	2	2	m	sbk	fi	
Bt2	29 to 47	10YR 5/4		30%10YR 5/2	sicl	36	2	2	m	sbk	fi	
BC	47 to 50	10YR 5/4		35%10YR 5/2	sicl	34	2	1	m	sbk	fi	
Cd	50+	10YR 5/4		30%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	50	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: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170
 Applicant Name: Lori Garland
 Address: _____
 Phone #: _____
 Lot #: _____
 Test Hole #: 10
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Ag Field
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 2 to 3%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____



Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
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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 8	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	8 to 32	10YR 5/4		30%10YR 5/2	sic1	34	2	2	m	sbk	fi	
Bt2	32 to 45	10YR 5/4		35%10YR 5/2	sic1	38	2	2	m	sbk	fi	
BC	45 to 55	10YR 5/4		30%10YR 5/2	sic1	36	2	1	m	sbk	fi	
Cd	55+	10YR 5/4		25%10YR 5/2	cl	34	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	55	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: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170

 Applicant Name: Lori Garland
 Address: _____

 Phone #: _____
 Lot #: _____
 Test Hole #: 11
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Ag Field
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 8.0%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____


 Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
soilconsultant@yahoo.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 9	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	9 to 18	10YR 5/4		5%10YR 5/2	sic1	35	2	2	m	sbk	fi	
Bt2	18 to 22	10YR 5/4		10%10YR 5/2	sic1	38	2	2	m	sbk	fi	
BC	22 to 25	10YR 5/4		15%10YR 5/2	sic1	34	2	1	m	sbk	fi	
Cd	25+	10YR 5/4		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	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: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170
 Applicant Name: Lori Garland
 Address: _____
 Phone #: _____
 Lot #: _____
 Test Hole #: 12
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Ag Field
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 8.0%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____



Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
soilconsultant@yahoo.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 8	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	8 to 15	10YR 5/4		5%10YR 5/2	sicl	34	2	2	m	sbk	fi	
Bt2	15 to 20	10YR 5/4		15%10YR 5/2	sicl	38	2	2	m	sbk	fi	
BC	20 to 22	10YR 5/4		20%10YR 5/2	sicl	35	2	1	m	sbk	fi	
Cd	22+	10YR 5/4		15%10YR 5/1	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	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: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170

 Applicant Name: Lori Garland
 Address: _____
 Phone #: _____
 Lot #: _____
 Test Hole #: 13
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Ag Field
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 8.0%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____



Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
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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 9	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	9 to 18	10YR 5/4		5%10YR 5/2	sic1	32	2	2	m	sbk	fi	
Bt2	18 to 23	10YR 5/4		10%10YR 5/2	sic1	36	2	2	m	sbk	fi	
BC	23 to 26	10YR 5/4		15%10YR 5/2	sic1	34	2	1	m	sbk	fi	
Cd	26+	10YR 5/4		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	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: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170

 Applicant Name: Lori Garland
 Address: _____

 Phone #: _____
 Lot #: _____
 Test Hole #: 14
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Ag Field
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 8.0%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____



Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
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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 9	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	9 to 15	10YR 5/4		10%10YR 5/2	sic1	35	2	2	m	sbk	fi	
Bt2	15 to 20	10YR 5/4		15%10YR 5/2	sic1	36	2	2	m	sbk	fi	
BC	20 to 25	10YR 5/4		20%10YR 5/2	sic1	34	2	1	m	sbk	fi	
Cd	25+	10YR 5/4		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	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: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170
 Applicant Name: Lori Garland
 Address: _____
 Phone #: _____
 Lot #: _____
 Test Hole #: 15
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Old Pasture
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 4 to 5%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____


 Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
soilconsultant@yahoo.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 8	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	8 to 12	10YR 5/6		10%10YR 5/3	sic1	32	2	2	m	sbk	fi	
Bt2	12 to 32	10YR 5/4		15%10YR 5/2	sic1	38	2	2	m	sbk	fi	
BC	32 to 35	10YR 5/4		20%10YR 5/2	sic1	36	2	1	m	sbk	fi	
Cd	35+	10YR 5/4		15%10YR 5/2	cl	34	5	0		m	vfi	

Limiting Conditions	inches	Description	Remarks / Risk Factors:
Perched Seasonal Water Table	12	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	35	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: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170

 Applicant Name: Lori Garland
 Address: _____

 Phone #: _____
 Lot #: _____
 Test Hole #: 16
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Old Pasture
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 4 to 5%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____


 Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
soilconsultant@yahoo.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 8	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	8 to 18	10YR 5/6		10%10YR 5/2	sic1	33	2	2	m	sbk	fi	
Bt2	18 to 28	10YR 5/4		10%10YR 5/2	sic1	36	2	2	m	sbk	fi	
BC	28 to 32	10YR 5/4		15%10YR 5/2	sic1	34	2	1	m	sbk	fi	
Cd	32+	10YR 5/4		20%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	32	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: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170
 Applicant Name: Lori Garland
 Address: _____
 Phone #: _____
 Lot #: _____
 Test Hole #: 17
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Old Pasture
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 4 to 5%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____


 Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
soilconsultant@yahoo.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 8	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	8 to 18	10YR 5/6		5%10YR 5/3	sic1	32	2	2	m	sbk	fi	
Bt2	18 to 25	10YR 5/4		5%10YR 5/2	sic1	36	2	2	m	sbk	fi	
BC	25 to 30	10YR 5/4		10%10Yr 5/2	sic1	35	2	1	m	sbk	fi	
Cd	30+	10YR 5/4		15%10YR 5/2	cl	32	5	0		m	vfi	

Limiting Conditions	inches	Description	Remarks / Risk Factors:
Perched Seasonal Water Table	18	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	30	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: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170

 Applicant Name: Lori Garland
 Address: _____

 Phone #: _____
 Lot #: _____
 Test Hole #: 18
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Old Pasture
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 8 to 10%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____


 Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
soilconsultant@yahoo.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 6	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	6 to 10	10YR 5/6		15%10YR 5/3	sic1	30	2	2	m	sbk	fi	
Bt2	10 to 21	10YR 5/4		20%10YR 5/2	sic1	38	2	2	m	sbk	fi	
BC	21 to 24	10YR 5/4		25%10YR 5/2	sic1	36	2	1	m	sbk	fi	
Cd	24+	10YR 5/4		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	24	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: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170

 Applicant Name: Lori Garland
 Address: _____

 Phone #: _____
 Lot #: _____
 Test Hole #: 19
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Old Pasture
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 5 to 6%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____



Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
soilconsultant@yahoo.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 12	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	12 to 22	10YR 5/6		5%10YR 5/2	sicl	32	2	2	m	sbk	fi	
Bt2	22 to 32	10YR 5/4		10%10YR 5/2	sicl	35	2	2	m	sbk	fi	
BC	32 to 35	10YR 5/4		15%10YR 5/2	sicl	34	2	1	m	sbk	fi	
Cd	35+	10YR 5/4		10%10yR 5/1	cl	32	5	0		m	vfi	

Limiting Conditions	inches	Description	Remarks / Risk Factors:
Perched Seasonal Water Table	12	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	35	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: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170

 Applicant Name: Lori Garland
 Address: _____

 Phone #: _____
 Lot #: _____
 Test Hole #: 20
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Old Pasture
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 5 to 6%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____


 Signature: 
 Phone#: p-614.579.1164
soilconsultant@yahoo.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 9	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	9 to 15	10YR 5/6			sic1	30	2	2	m	sbk	fi	
Bt2	15 to 23	10YR 5/6		5%10YR 5/3	sic1	36	2	2	m	sbk	fi	
BC	23 to 28	10YR 5/4		5%10Yr 5/2	sic1	34	2	1	m	sbk	fi	
Cd	28+	10YR 5/4		10%10YR 5/2	cl	32	5	0		m	vfi	

Limiting Conditions	inches	Description	Remarks / Risk Factors:
Perched Seasonal Water Table	23	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: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170
 Applicant Name: Lori Garland
 Address: _____
 Phone #: _____
 Lot #: _____
 Test Hole #: 21
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Old Pasture
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 5 to 6%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____



Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
soilconsultant@yahoo.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 10	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	10 to 22	10YR 5/6			sicl	32	2	2	m	sbk	fi	
Bt2	22 to 25	10YR 5/6		10%10YR 5/2	sicl	36	2	2	m	sbk	fi	
BC	25 to 30	10YR 5/4		15%10YR 5/2	sicl	32	2	1	m	sbk	fi	
Cd	30+	10YR 5/4		20%10YR 5/2	cl	30	5	0		m	vfi	

Limiting Conditions	inches	Description	Remarks / Risk Factors:
Perched Seasonal Water Table	22	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	30	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: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170

 Applicant Name: Lori Garland
 Address: _____
 Phone #: _____
 Lot #: _____
 Test Hole #: 22
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Old Pasture
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 5 to 6%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____



Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
soilconsultant@yahoo.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 8	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	8 to 14	10YR 5/6			sic1	34	2	2	m	sbk	fi	
Bt2	14 to 29	10YR 5/4		10%10yR 5/2	sic1	36	2	2	m	sbk	fi	
BC	29 to 34	10YR 5/4		10%10yR 5/1	sic1	34	2	1	m	sbk	fi	
Cd	34+	10YR 5/4		10%10yR 5/2	cl	30	5	0		m	vfi	

Limiting Conditions	inches	Description	Remarks / Risk Factors:
Perched Seasonal Water Table	14	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	34	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: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170

 Applicant Name: Lori Garland
 Address: _____
 Phone #: _____
 Lot #: _____
 Test Hole #: 23
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Ag Field
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 6 to 7%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____



Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
soilconsultant@yahoo.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 8	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	8 to 12	10YR 5/6		5%10YR 5/3	sicl	32	2	2	m	sbk	fi	
Bt2	12 to 28	10YR 5/4		5%10YR 5/2	sicl	36	2	2	m	sbk	fi	
BC	28 to 32	10YR 5/4		10%10YR 5/2	sicl	32	2	1	m	sbk	fi	
Cd	32+	10YR 5/4		15%10YR 5/2	cl	30	5	0		m	vfi	

Limiting Conditions	inches	Description	Remarks / Risk Factors:
Perched Seasonal Water Table	12	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	32	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: Morrow
 Township / Sec.: Harmony
 Property Address/Location: NE Corner of CR's 25 & 170

 Applicant Name: Lori Garland
 Address: _____
 Phone #: _____
 Lot #: _____
 Test Hole #: 24
 Latitude/Longitude: _____
 Method: Pit Auger Tube

Land Use / Vegetation: Ag Field
 Landform: Till Plain
 Position on Landform: Backslope
 Percent Slope: 4 to 5%
 Shape of Slope: Linear / Lienar
 Bedrooms or GPD: 4
 Date: Tuesday, April 30, 2024
 Evaluator: Steven Miller, CPSSc
Soil & Environmental Consulting, Inc.
P.O. Box 1121
Delaware OH 43015
 Job Number: 24D424
 Soil Series: _____



Signature: *Steven A. Miller*
 Phone#: p-614.579.1164
soilconsultant@yahoo.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 8	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	8 to 25	10YR 5/4		10%10YR 5/2	sic1	35	2	2	m	sbk	fi	
Bt2	25 to 37	10YR 5/4		15%10YR 5/2	sic1	36	2	2	m	sbk	fi	
BC	37 to 42	10YR 5/4		20%10YR 5/2	sic1	34	2	1	m	sbk	fi	
Cd	42+	10YR 5/4		15%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	42	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.