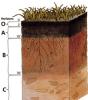
Soil and Environmental Consulting Services, Inc.



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.

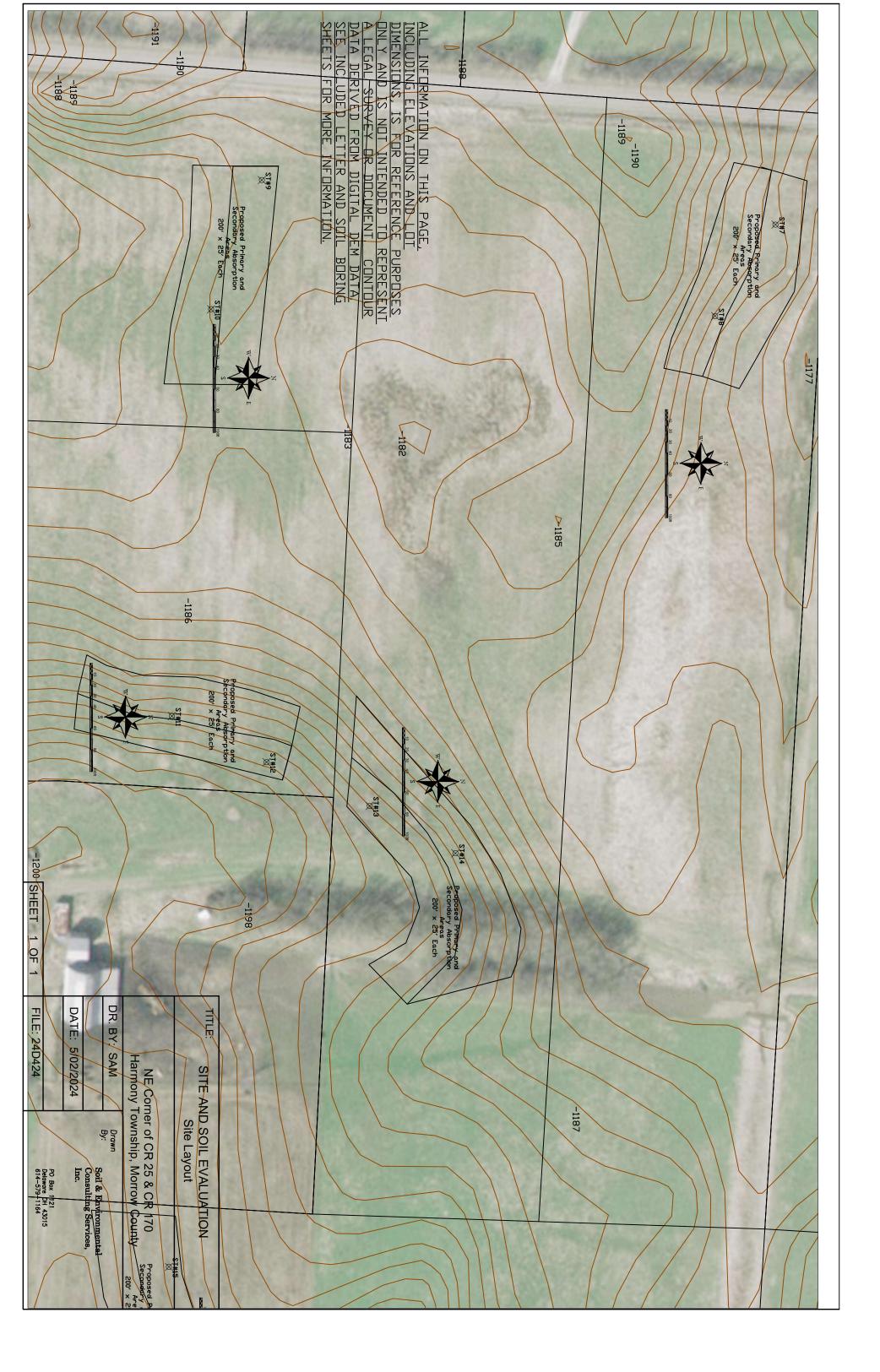
Please protect all areas approved for septic disposal by having the contractor stake and rope off the proposed locations prior to driveway and basement excavation. No soil, building, or waste material should be stored on the proposed absorption areas. Disturbance to the areas may result in compaction and the subsequent failure of the system. Any disturbance to the504 absorption area voids the results of this analysis.

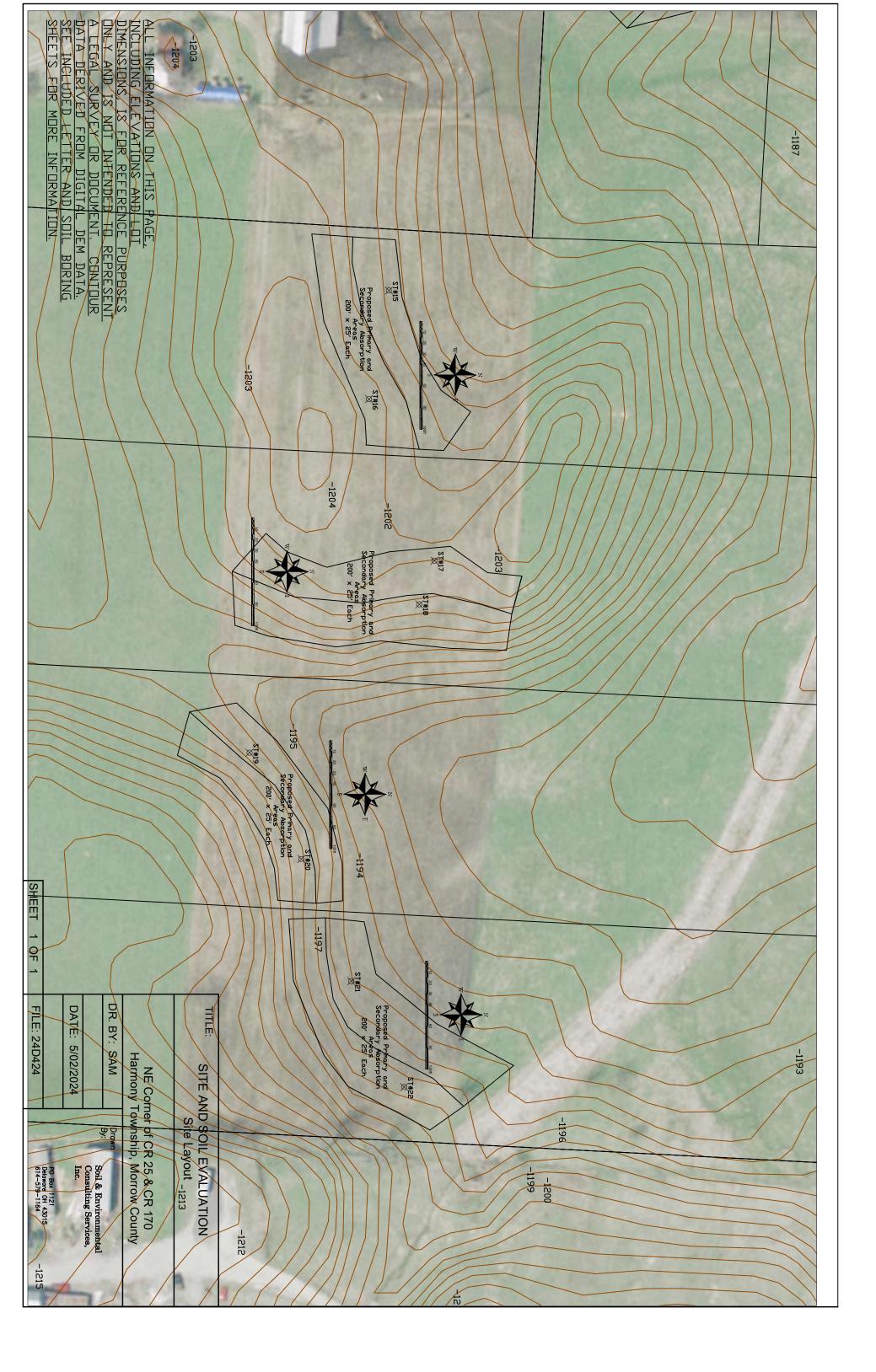
If you have any questions or want to move forward with the septic design process feel free to contact us.

Steven Miller, CPSS











Landforms
Upland*
Terrace
Flood Plain
Lake Pain
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

	Master Horizons Predominantly organic matter (litter & numus)	a	Horizon Suffixes	Horizon Modifiers
]	J	а		IIIIIZOII MIUUIIICI S
	numus)		Highly decomposed organic matter	
Α	(unitab)	b	Buried genetic horizon	Numerical Prefixes: Used to denote
11	Mineral, organic matter (humus)	d	Densic layer (physically root restrictive)	lithologic discontinuities.
i	accumulation, loss of Fe, Al, clay	e	Moderately decomposed organic matter	
E	Mineral, loss of Si, Fe, Al, clay, organic matter		Strong gley	
1			Slightly decomposed organic matter	Numerical Suffixes: Used to denote
В	Subsurface accumulation of clay, Fe, Al, Si,	р	Plow layer or artificial disturbance	subdivisions within a master
]	numus; sesquioxides; loss of CaCo ₃ ;	r	Weathered or soft bedrock	horizon.
5	subsurface soil structure	t	Illuvial accumulation of silicate clay	-
С		w	Weak color or structure within B	
]	Little or no pedogenic alteration,	х	Fragipan characteristics	
	unconsoilidated earthy material, soft bedrock			
R I	Hard bedrock			

Soil Texture										
Texture Class Abbreviation	ons		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	1		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	с		Extremely Flaggy	XFL						
*Estimate approximate cl	ay perc	cei	ntage 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	1										
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.

	County:	Morro	эw	Land	d Use / Vegetation:	·	Ag Field					*************
Toy	wnship / Sec.:	Harmo	ony	_	Landform:		Till Plain				1	
Property Ad	ddress/Location:	NE Corner of Cl	R's 25 & 170	Posi	ition on Landform:	:	Backslope				1	11
	_			_	Percent Slope:						11	arcpacs \
Apr	plicant Name:	Lori Gar	rland		Shape of Slope:						1 15	and the state of the state of the
	Address:			F	Bedrooms or GPD:		4					STEVENA MILLER
				_	Date:	Date: Tuesday, April 30, 2024					1	CERTIFIED PROFESSIONAL /
	Phone #:			_	Evaluator:	. Ste	even Miller, CPS	SSc		V	10	O SUL SULEITIST
	Lot #: Test Hole #:1			_		Soil & Envir	onmental Consu	ulting, Inc.	Signature:	Xle	A lan	2842
	Test Hole #: 1			_			P.O. Box 1121			win	V	
Latitud	ıde/Longitude:			<u>.</u>		De	elaware OH 430	15	Phone#: <u>p</u>			
	Method:	Pit Auger	r <u>X</u> Tube		Job Number:		24D424			soilcor	nsultant@ya	ahoo.com
					Soil Series:							
Soil P	Profile		imating Soil Satura				Estimatin	ng Soil Permea	ability			
		Munsel	ll Color (hue, value,						Structure			
			Redoximorp	hic Features		Texture						
	Depth	Matrix	1	1		Approx.	Approx. %	a 1		Туре		
Horizon	(inches)	Color	Concentrations	Depletions	Class	% Clay	Fragments	Grade	Size	(shape)	Consistence	Other Soil Features
Ар	0 to 8	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	8 to 14	10YR 5/6		5%10YR 5/3	sicl	30	2	2	m	sbk	fi	
Bt2	14 to 25	10YR 5/4		10%10yR 5/2	sicl	35	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 4/3		20%10yR 5/2	cl	30	5	0	T	m	vfi	
									T	1		
Limiting (Conditions	inches		Description				Rem	narks / Risk Fac	ctors:		
Perched Seasonal	Water Table	14	perc	ched on glacial till	Surface wate	r should be di	verted around s	ystem. Subsu	ırface ag drainag	ge may be pro	esent.	
Apparent Water Ta	able	>60						·	-			
Highly Permeable	Material	>60										
Bedrock >60												
Restrictive Layer		30		glacial till								

	County:	Morrow Lan		d Use / Vegetation: Ag Field					**************************************			
To	wnship / Sec.:	Harmo	ony		Landform:		Till Plain				1	
Property Ac	ddress/Location:	NE Corner of C	R's 25 & 170	Posi	ition on Landform:		Backslope				1 .	(a la la
					Percent Slope:		6 to 7%				11	CREEPacs \
Ap	plicant Name:	Lori Ga	rland		Shape of Slope:						1 15	and the state of the state of the
	Address:			F	Bedrooms or GPD:		4					STEVENA MILLER
				_	Date:		sday, April 30, 2	2024		,	1	CERTIFIED PROFESSIONAL A
	Phone #:			_	Evaluator:		ven Miller, CPS			V	103	O SOL DORTHER
	Lot #: 2			-		Soil & Envir	onmental Consu	ulting, Inc.	Signature:	Xle	A lan	28423
		2		-			P.O. Box 1121			win	0	
Latitu	de/Longitude:			-		De	elaware OH 430)15	Phone#: p			
	Method:	Pit Auger	r <u>X</u> Tube		Job Number:		24D424			<u>soilcor</u>	nsultant@ya	<u>ahoo.com</u>
					Soil Series:							
				Ļ	-							
Soil I	Profile		imating Soil Satur				Estimatin	ng Soil Permea	ıbility			
		Munsei	l Color (hue, value,	. ,	 				<u> </u>			
			Redoximorp	phic Features	l	Texture			Structure		4 !	
Horizon	Depth (inches)	Matrix Color	Concentrations	Depletions	Class	Approx. % Clay	Approx. % Fragments	Grade	Size	Type (shape)	Consistence	Other Soil Features
Ар	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				Rem	arks / Risk Fac	tors:		
Perched Seasonal		8	perc	ched on glacial till	Surface wate	Surface water should be diverted around system. Subsurface ag drainage may be present.						
Apparent Water T		>60										
Highly Permeable	Material	>60										
Bedrock												
Restrictive Layer 34 glacial												

	County:			l Use / Vegetation: Ag Field						* = = = · = · = · = ·		
To	ownship / Sec.:	Harmo	ony		Landform:		Till Plain				1	1
Property Ac	.ddress/Location:	NE Corner of Cl	R's 25 & 170	Posi	ition on Landform:	:	Backslope				1	(a la la
					Percent Slope:	:	6 to 7%				11	accoaces i
Ap	plicant Name:	Lori Gar	rland	_	Shape of Slope:		Linear / Lienar					
	Address:			F	Bedrooms or GPD:	drooms or GPD: 4					1	STEVEN A MILLER
				_		Date: Tuesday, April 30, 2024				,		CERTIFIED PROFESSIONAL IN
	Phone #:			_	Evaluator:		Steven Miller, CPSSc			V	107	O SOLE SOLETING
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					Soil Series:							
Soil F	Profile		imating Soil Satura				Estimatin	ng Soil Permea	ıbility		, I	
		Munsel	l Color (hue, value,		ļ		r					
			Redoximorp	hic Features	Texture				Structure		1	
	Depth	Matrix			CI	Approx.	Approx. %		<u> </u>	Type		
Horizon	(inches)	Color	Concentrations	Depletions	Class	% Clay	Fragments	Grade	Size	(shape)	Consistence	Other Soil Features
Ар	0 to 9	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	9 to 12	10YR 5/6		10%10YR 5/3	sicl	30	2	2	m	sbk	fi	
Bt2	12 to 23	10YR 5/4		10%10YR 5/2	sicl	35	2	2	m	sbk	fi	
BC	23 to 38	10YR 5/4		15%!0YR 5/2	sicl	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				Rem	arks / Risk Fac	tors:		
Perched Seasonal		12	perc	ched on glacial till	Surface wate	r should be di	verted around s	ystem. Subsur	rface ag drainag	e may be pre	esent.	
Apparent Water T		>60										
Highly Permeable	Material	>60										
Bedrock		>60										
Restrictive Layer 38				glacial till								

	County:			d Use / Vegetation:								
	wnship / Sec.:	Harmo		_	Landform:		Till Plain				1	· ····································
Property Ad	ddress/Location:	NE Corner of Cl	R's 25 & 170	Posi	ition on Landform:						1 1	11
				-	Percent Slope:		6 to 7%				11	ORCEACE
Apr	plicant Name:	Lori Gar	rland	-	Shape of Slope:							in the second is
	Address:			_ F	Bedrooms or GPD:		4					STEVENA MILLER
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	Test Hole #: 4			-			P.O. Box 1121				V	
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Soil P	Profile		imating Soil Satur		1		Estimatin	ng Soil Permea	ability			
ļ		Munsel	ll Color (hue, value,									
			Redoximorp	phic Features		Texture			Structure			
	Depth	Matrix			CI	Approx.	Approx. %			Туре	a	
Horizon	(inches)	Color	Concentrations	Depletions	Class	% Clay	Fragments	Grade	Size	(shape)	Consistence	Other Soil Features
Ар	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%!0R 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	
										<u> </u>		
Limiting (Conditions	inches		Description				Rem	narks / Risk Fac	ctors:		
Perched Seasonal	Water Table	12	perc	ched on glacial till	Surface wate	r should be di	verted around s	system. Subsu	rface ag drainag	ge may be pr	esent.	
Apparent Water Ta		>60						<u> </u>				
Highly Permeable		>60										
Bedrock >60												
Restrictive Layer 29 glacial till												

	County:	Morrow La			Use / Vegetation: Ag Field						**************************************	
Toy	wnship / Sec.:	Harmo	ony		Landform:		Till Plain				1	
Property Ac	ddress/Location:	NE Corner of Cl	R's 25 & 170	Posi	ition on Landform:		Backslope				1	(a la la
					Percent Slope:		4 to 5%				11	ORCEACES !!
Арј	plicant Name:	Lori Gar	rland		Shape of Slope:							and the second of the second sec
	Address:			F	Bedrooms or GPD:		4				1 1245	STEVENA MILLER
					Date:	Date: Tuesday, April 30, 2024					1	CERTIFIED PROFESSIONAL /
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		T	Redoximorr	phic Features		Texture			Structure		<u> </u>	
	Depth	Matrix	['	[!		Approx.	Approx. %	1	Τ	Туре	1 /	
Horizon	(inches)	Color	Concentrations	Depletions	Class	% Clay	Fragments	Grade	Size	(shape)	Consistence	Other Soil Features
Ар	0 to 7	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	7 to 11	10YR 5/4		10%10YR 5/3	sicl	30	2	2	m	sbk	fi	
Bt2	11 to 34	10YR 5/4		15%10YR 5/2	sicl	35	2	2	m	sbk	fi	
BC	34 to 40	10YR 5/4		20%10YR 5/2	sicl	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				Rem	arks / Risk Fac	:tors:		
Perched Seasonal		11	perc	ched on glacial till	Surface wate	r should be di	verted around s	ystem. Subsur	rface ag drainag	je may be pr	esent.	
Apparent Water T		>60										
Highly Permeable	Material	>60										
Bedrock		>60										
Restrictive Layer		40	glacial till									

	County:	Morro	зw	Land	d Use / Vegetation:		Ag Field					* = = = · = · = · = ·
To	ownship / Sec.:	Harmo	ony		Landform:		Till Plain				-	1
Property Ac	.ddress/Location:	NE Corner of Cl	R's 25 & 170	Posi	ition on Landform:		Backslope				1.	(a la la
					Percent Slope:						11	ancpace ; ;
Арј	plicant Name:	Lori Gar	rland	_	Shape of Slope:		Linear / Lienar					and the second
	Address:			F	Bedrooms or GPD:		4				1	STEVEN A MILLER
				_	Date:		sday, April 30, 2	2024		,	1	CERTIFIED PROFESSIONAL A
	Phone #:			_	Evaluator:		even Miller, CPS			V	103	O SUL DURING
	Lot #:			_		Soil & Envir	onmental Consu	ulting, Inc.	Signature:	NP.	A la	28423
	Test Hole #:	6					P.O. Box 1121			win	V	
Latitu	ıde/Longitude:					De	elaware OH 430)15	Phone#: p			
	Method:	_PitAuger	r <u>X</u> Tube		Job Number:		24D424			<u>soilcor</u>	nsultant@ya	<u>ahoo.com</u>
					Soil Series:							
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		Munsel	l Color (hue, value,		 		r				!	1
		· · · · ·	Redoximorp	hic Features	 	Texture			Structure	.	4 /	1 1
	Depth	Matrix			CI	Approx.	Approx. %		<u> </u>	Type		
Horizon	(inches)	Color	Concentrations	Depletions	Class	% Clay	Fragments	Grade	Size	(shape)	Consistence	Other Soil Features
Ар	0 to 8	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	8 to 12	10YR 5/4		15%10YR 5/3	sicl	32	2	2	m	sbk	fi	
Bt2	12 to 33	10YR 5/4		10%10YR 5/2	sicl	36	2	2	m	sbk	fi	
BC	33 to 36	10YR 5/4		15%!0YR 5/2	sicl	34	2	1	m	sbk	fi	
Cd	36+	10YR 5/4		20%10YR 5/2	cl	32	5	0	1	m	vfi	
									1			
								·				
Limiting (Conditions	nditions inches						Rem	arks / Risk Fac	tors:		
Perched Seasonal	Water Table				Surface wate	r should be di	verted around s	system. Subsur	rface ag drainag	e may be pro	esent.	
	pparent Water Table >60											
Highly Permeable	e Material >60											
Bedrock	edrock >60											
Restrictive Layer		36		glacial till		-	-	-		-		

	County:	Morrow		Land	d Use / Vegetation:	:	Ag Field					
То	wnship / Sec.:	Harmo	ony	-	Landform:	:	Till Plain				1	
Property A	ddress/Location:	NE Corner of C	R's 25 & 170	Posi	ition on Landform:	:	Backslope				1.	1
				-	Percent Slope:	:	4 to 5%				11	arcpacs \
Ap	plicant Name:	Lori Ga	rland	-	Shape of Slope:	:	Linear / Lienar	•			1 15	the second states of the secon
	Address:			F	Bedrooms or GPD:	:	4					STEVEN A MILLER
				_	Date:	: Tues	sday, April 30, 2	2024		1	1	CERTIFIED PROFESSIONAL
	Phone #:			_	Evaluator:	: Ste	even Miller, CPS	SSc		V	103	OE
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					Soil Series:							
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Soil I	Profile		imating Soil Satur		1		Estimatin	ng Soil Perme	ability			
	1	Munsel	l Color (hue, value,	. ,								
			Redoximorp	phic Features		Texture			Structure		4	
** .	Depth	Matrix			Class	Approx.	Approx. %	G 1	<i>a</i> :	Туре	a	
Horizon	(inches)	Color	Matrix Color Concentrations Depletions			% Clay	Fragments	Grade	Size	(shape)	Consistence	Other Soil Features
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	sicl	35	2	2	m	sbk	fi	
Bt2	25 to 44	10YR 5/4		25%10YR 5/2	sicl	36	2	2	m	sbk	fi	
BC	44 to 47	10YR 5/4		30%10YR 5/2	sicl	32	2	1	m	sbk	fi	
Cd	47+	10YR 5/4		25%10YR 5/2	cl	30	5	0		m	vfi	
										_		
Limiting	Limiting Conditions inches							Rem	narks / Risk Fac	ctors:		
Perched Seasonal	<u> </u>			ched on glacial till	Surface wate	r should be di	verted around s	system. Subsu	rface ag drainag	ge may be pro	esent.	
Apparent Water T	parent Water Table >60							-				
Highly Permeable	ghly Permeable Material >60											
Bedrock >60												
Restrictive Layer		47		glacial till								

	County:	Morrow		Land	d Use / Vegetation:	: <u> </u>	Ag Field					
	ownship / Sec.:	Harmo		_	Landform:		Till Plain				1	1 - A
Property Ad	ddress/Location:	NE Corner of Cl	R's 25 & 170	Posi	ition on Landform:						1 1	11
				-	Percent Slope:	:	8 to 9%				11	ORCEACE
App		Lori Gar		-	Shape of Slope:		Linear / Lienar	<u>:</u>				and the state of the
	Address:			. F	Bedrooms or GPD:		4					STEVENA MILLER
					Date:		sday, April 30, 2			1		CERTIFIED PROFESSIONAL
	Phone #:			-	Evaluator:		even Miller, CPS			V	103	0
	Lot #:			-			conmental Consu	-	Signature:	the	A the	2842
	Test Hole #:	8		-			P.O. Box 1121					
Latitue	ude/Longitude:			-			elaware OH 430)15	Phone#: <u>p</u>			
	Method:	_PitAuger	X Tube		Job Number:		24D424			soilcor	nsultant@ya	ahoo.com
					Soil Series:							
6.31		- E.										
Soil P	Profile		imating Soil Satur				Estimatin	ng Soil Permea	ability			
		Munsen	l Color (hue, value,	. ,	┣────		T					
			Redoximorp	hic Features	 	Texture			Structure	—	4 1	
Horizon	Depth (inches)	Matrix Color	Concentrations	Depletions	Class	Approx. % Clay	Approx. % Fragments	Grade	Size	Type (shape)	Consistence	Other Soil Features
Ар	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 (Limiting Conditions inches			Description				Rem	1 narks / Risk Fac	ctors:		
Perched Seasonal	0			ched on glacial till	Surface wate	r should be di	verted around s	system. Subsu	rface ag drainag	ge may be pro	esent.	
	Apparent Water Table >60											
Highly Permeable	ighly Permeable Material >60											
Bedrock >60												
Restrictive Layer		30		glacial till								

	County:			Land	d Use / Vegetation:		Ag Field					
	wnship / Sec.:	Harmo		_	Landform:		Till Plain				1	
Property Ad	ddress/Location:	NE Corner of Cl	R's 25 & 170	Posi	ition on Landform:		Backslope				1 1	11
				-	Percent Slope:						11	ORCEACE
Apr	plicant Name:	Lori Gar	rland	-	Shape of Slope:		Linear / Lienar	:			1	States and the states
	Address:			_ F	Bedrooms or GPD:		4					STEVENA MILLER
				-	Date:		sday, April 30, 2			1		CERTIFIED PROFESSIONAL
	Phone #:			-	Evaluator:		even Miller, CPS			V	103	0
	Lot #:			-			conmental Consu		Signature:	the	A la	28423
	Test Hole #:	9		-			P.O. Box 1121			L'U'M	0	
Latituc	ide/Longitude:			-			elaware OH 430)15	Phone#: <u>p</u>			
	Method:	_PitAuger	r <u>X</u> Tube		Job Number:		24D424			<u>soilcor</u>	nsultant@ya	<u>ahoo.com</u>
					Soil Series:							
Soil P	Profile		imating Soil Satur		1		Estimatin	ng Soil Permea	ıbility			
ļ		Munsell	ll Color (hue, value,									
		''	Redoximorp	phic Features		Texture			Structure			
	Depth	Matrix		Depletions		Approx.	Approx. %		C.	Туре	a	
Horizon	(inches)	Color	Concentrations	Class	% Clay	Fragments	Grade	Size	(shape)	Consistence	Other Soil Features	
Ар	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	1	m	vfi	
										<u> </u>		
Limiting (Limiting Conditions inches			Description				Rem	arks / Risk Fac	ctors:		
Ű	0			ched on glacial till	Surface wate	r should be di	verted around s	system. Subsur	rface ag drainag	e may be pro	esent.	
Apparent Water Table >60							<u></u>					
	lighly Permeable Material >60											
Bedrock >60					_							
Restrictive Layer		50		glacial till								

	County:	Morro	эw	Land	d Use / Vegetation:	·	Ag Field					*************
Toy	wnship / Sec.:	Harmo	ony		Landform:	:	Till Plain				1	
Property Ac	ddress/Location:	NE Corner of Cl	R's 25 & 170	Posi	ition on Landform:	:	Backslope				1	(a la la
					Percent Slope:	:					11	arcpacs \
Арј	plicant Name:	Lori Gar	rland		Shape of Slope:		Linear / Lienar				1.5	and the second sec
	Address:			F	Bedrooms or GPD:	·	4				1	STEVENA MILLER
	_			_	Date:		sday, April 30, 2	2024		,	1	CERTIFIED PROFESSIONAL A
	Phone #:			_	Evaluator:		even Miller, CPS			V	103	O SOL DORTHING
	Lot #:	10		_			onmental Consu	_	Signature:	Xle	A la	28423
	Test Hole #:	10	,	-			P.O. Box 1121			win	VII	
Latitud	ıde/Longitude:			-			elaware OH 430	/15	Phone#: <u>p</u>			
	Method:	_PitAuger	r <u>X</u> Tube		Job Number:		24D424			<u>soilcor</u>	nsultant@ya	<u>ahoo.com</u>
		<u> </u>			Soil Series:							
Soil P	Profile		imating Soil Satura		4		Estimatin	ng Soil Permea	ability			
		Munsell	ll Color (hue, value,		 		r				!	
			Redoximorp	hic Features	 	Texture	1		Structure		4 /	
Homizon	Depth (in abas)	Matrix	Concentrations	Doulations	Class	Approx.	Approx. %	Crada	Size	Type	Consistence	
Horizon	(inches)	Color	Concentrations	Depletions	Class	% Clay	Fragments	Grade	Size	(shape)	Consistence	Other Soil Features
Ар	0 to 8	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	8 to 32	10YR 5/4		30%10YR 5/2	sicl	34	2	2	m	sbk	fi	
Bt2	32 to 45	10YR 5/4		35%10YR 5/2	sicl	38	2	2	m	sbk	fi	
BC	45 to 55	10YR 5/4		30%10YR 5/2	sicl	36	2	1	m	sbk	fi	
Cd	55+	10YR 5/4		25%10YR 5/2	cl	34	5	0		m	vfi	
Limiting (Limiting Conditions inches			Description	T			Rem	narks / Risk Fac	tors:		
Perched Seasonal	nal Water Table 8 perc			ched on glacial till	Surface wate	r should be di	verted around s	ystem. Subsu	rface ag drainag	ge may be pro	esent.	
	Apparent Water Table >60											
Highly Permeable	y Permeable Material >60											
Bedrock >60												
Restrictive Layer	-	55		glacial till		-						

	County:	Morro	эw	Land	d Use / Vegetation:	:	Ag Field					* = = = · = · = ·
То	wnship / Sec.:	Harmo	ony	-	Landform:		Till Plain				1	
Property Ac	ddress/Location:	NE Corner of C	R's 25 & 170	Posi	ition on Landform:	:	Backslope				1	1
	_			_	Percent Slope:						11	ORCEACE !!!
Apj	plicant Name:	Lori Gaı	rland	-	Shape of Slope:	:	Linear / Lienar	•			1 19	the state of the s
	Address:			F	Bedrooms or GPD:	:	4					STEVENA MILLER
				_	Date:	: Tues	sday, April 30, 2	2024		,	1	CERTIFIED PROFESSIONAL SOLL SOLL SOLL SOLL SOLL SOLL SOLL SO
	Phone #:			_	Evaluator:	: Ste	even Miller, CPS	SSc		V	103	0
	Lot #:					Soil & Envir	onmental Consu	ulting, Inc.	Signature:	12	A la	28423
		11		_			P.O. Box 1121			10-m	0 0 0	
Latitu	de/Longitude:						elaware OH 430)15	Phone#: p			
	Method:	Pit Auger	X Tube		Job Number:		24D424			<u>soilcor</u>	nsultant@ya	<u>ahoo.com</u>
					Soil Series:							
Soil I	Profile		imating Soil Satur		1		Estimatin	ng Soil Perme	ability			
	1	Munsel	l Color (hue, value,	. ,								
			Redoximorp	phic Features		Texture			Structure		4	
** .	Depth	Matrix			Class	Approx.	Approx. %	G 1	<i>a</i> :	Туре		
Horizon	(inches)	Color	Matrix Color Concentrations Depletions			% Clay	Fragments	Grade	Size	(shape)	Consistence	Other Soil Features
Ар	0 to 9	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	9 to 18	10YR 5/4		5%10YR 5/2	sicl	35	2	2	m	sbk	fi	
Bt2	18 to 22	10YR 5/4		10%10YR 5/2	sicl	38	2	2	m	sbk	fi	
BC	22 to 25	10YR 5/4		15%10YR 5/2	sicl	34	2	1	m	sbk	fi	
Cd	25+	10YR 5/4		10%10YR 5/2	cl	32	5	0		m	vfi	
	-											
Limiting	Limiting Conditions inches							Rem	narks / Risk Fac	ctors:		
Perched Seasonal	Seasonal Water Table 9 perc				Surface wate	r should be di	verted around s	system. Subsu	rface ag drainag	ge may be pro	esent.	
Apparent Water T	parent Water Table >60							-		<u> </u>		
Highly Permeable	hly Permeable Material >60											
Bedrock >60												
Restrictive Layer												

	County:				d Use / Vegetation:		Ag Field					
	wnship / Sec.:	Harmo		_	Landform:		Till Plain				1	· ····································
Property Ad	ddress/Location:	NE Corner of Cl	R's 25 & 170	Posi	ition on Landform:						1 1	11
				-	Percent Slope:						11	ORCEACE
Apr	-	Lori Gar	rland	-	Shape of Slope:		Linear / Lienar	<u>(</u>				and the state of the
	Address:			- F	Bedrooms or GPD:		4				1	STEVENA MILLER
				-	Date:		sday, April 30, 2			1		CERTIFIED PROFESSIONAL
	Phone #:			-	Evaluator:		even Miller, CPS			V	103	0 6/
	Lot #:			-			conmental Consu		Signature:	the	A the	2842
	Test Hole #:	12	<u>,</u>	-			P.O. Box 1121					
Latitud	ide/Longitude:			-			elaware OH 430)15	Phone#: <u>p</u>			.
	Method:	_PitAuger	r <u>X</u> Tube		Job Number:		24D424			soilcor	nsultant@ya	ahoo.com
					Soil Series:							
Soil P	Profile		imating Soil Satur		4		Estimatin	ng Soil Permea	ability			
		Munsel	ll Color (hue, value,		I		——————————————————————————————————————					
			Redoximorp	phic Features	I	Texture	.		Structure		4 !	
Horizon	Depth (inches)	Matrix Color	Concentrations	Depletions	Class	Approx. % Clay	Approx. % Fragments	Grade	Size	Type (shape)	Consistence	Other Soil Features
Ар	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%!0YR 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 (Limiting Conditions inches			Description				Rem	1 narks / Risk Fac	ctors:		
erched Seasonal Water Table 8 per			ched on glacial till	Surface wate	r should be di	verted around s	system. Subsur	rface ag drainag	ge may be pro	esent.		
Apparent Water Table >60												
Highly Permeable Material >60												
Sedrock >60												
Restrictive Layer		22		glacial till								

	County:	Morro	ow	Land	Use / Vegetation:		Ag Field					* = = = · = · = · = ·
To	wnship / Sec.:	Harmo	ony		Landform:		Till Plain				1	
Property Ac	ddress/Location:	NE Corner of C	R's 25 & 170	Posi	ition on Landform:		Backslope				1 .	
					Percent Slope:						11	arcpace)
Ap	plicant Name:	Lori Ga	rland		Shape of Slope:		Linear / Lienar	t.			1 15	and the second
	Address:			F	Bedrooms or GPD:		4				1	STEVEN A MILLER
				_	Date:		sday, April 30, 2	2024		,	1	CERTIFIED PROFESSIONAL IN
	Phone #:			_	Evaluator:		even Miller, CPS			V	103	O Sole soleting
	Lot #:	13		-		Soil & Envir	conmental Const	ulting, Inc.	Signature:	XP.	A lan	28423
		13	,	-			P.O. Box 1121			win	VII	
Latitu	de/Longitude:			-		De	elaware OH 430)15	Phone#: <u>p</u>			
	Method:	Pit Auger	r <u>X</u> Tube		Job Number:		24D424			<u>soilcor</u>	nsultant@ya	<u>ahoo.com</u>
					Soil Series:							
								2.0.2				
Soil I	Profile		imating Soil Satur		1		Estimatin	ng Soil Permea	ability			
		Munsei	l Color (hue, value,	· · · · · · · · · · · · · · · · · · ·	 	T						
			Redoximorp	phic Features	 	Texture			Structure		4 🛛	
Horizon	Depth (inches)	Matrix Color	Concentrations	Depletions	Class	Approx. % Clay	Approx. % Fragments	Grade	Size	Type (shape)	Consistence	Other Soil Features
Ар	0 to 9	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	9 to 18	10YR 5/4		5%10YR 5/2	sicl	32	2	2	m	sbk	fi	
Bt2	18 to 23	10YR 5/4		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 5/4		10%10YR 5/2	cl	32	5	0		m	vfi	
		inches Description Rema										
_	Limiting Conditions inches								arks / Risk Fac			
				ched on glacial till	Surface wate	r should be di	verted around s	system. Subsur	rface ag drainag	ge may be pro	esent.	
	pparent Water Table >60											
Highly Permeable	ighly Permeable Material >60											
Bedrock												
Restrictive Layer		26		glacial till								

	County:	Morro	зw	Land	Use / Vegetation:		Ag Field					* = = = · = · = · = ·
To	wnship / Sec.:	Harmo	ony		Landform:		Till Plain				1	
Property Ac	ddress/Location:	NE Corner of C	R's 25 & 170	Posi	ition on Landform:		Backslope				1 .	
	<u> </u>				Percent Slope:						11	arcpacs \
Ap	plicant Name:	Lori Ga	rland		Shape of Slope:		Linear / Lienar				1 15	and the second
	Address:			F	Bedrooms or GPD:		4					STEVEN A MILLER
				_	Date:		sday, April 30, 2	2024		,	1	CERTIFIED PROFESSIONAL IN
	Phone #:			_	Evaluator:		even Miller, CPS			V	103	O Sole soleting
	Lot #:	14		-		Soil & Envir	onmental Consu	ulting, Inc.	Signature:	XP.	A lan	28423
		14		-			P.O. Box 1121			win	0	
Latitu	ıde/Longitude:			-		De	elaware OH 430)15	Phone#: <u>p</u>			
	Method:	Pit Auger	r <u>X</u> Tube		Job Number:		24D424			<u>soilcor</u>	nsultant@ya	<u>ahoo.com</u>
					Soil Series:							
Soil I	Profile		imating Soil Satur		1		Estimatin	ng Soil Permea	ability			
		Munsei	l Color (hue, value,	. ,	 				<u> </u>			
			Redoximorp	phic Features	l	Texture			Structure		4 !	
Horizon	Depth (inches)	Matrix Color	Concentrations	Depletions	Class	Approx. % Clay	Approx. % Fragments	Grade	Size	Type (shape)	Consistence	Other Soil Features
Ар	0 to 9	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	9 to 15	10YR 5/4		10%10YR 5/2	sicl	35	2	2	m	sbk	fi	
Bt2	15 to 20	10YR 5/4		15%10YR 5/2	sicl	36	2	2	m	sbk	fi	
BC	20 to 25	10YR 5/4		20%10YR 5/2	sicl	34	2	1	m	sbk	fi	
Cd	25+	10YR 5/4		15%10YR 5/2	cl	32	5	0		m	vfi	
Limiting	Limiting Conditions inches							Rem	arks / Risk Fac	ctors:		
				ched on glacial till	Surface wate	r should be di	verted around s	ystem. Subsur	rface ag drainag	ge may be pro	esent.	
Apparent Water Table >60												
Highly Permeable	ighly Permeable Material >60											
Bedrock												
Restrictive Layer		25		glacial till								

	County:	Morro	эw	Land	d Use / Vegetation:	:	Old Pasture					* = = = · = · = · · · · · · · · · · · ·
Tov	wnship / Sec.:	Harmo	ony		Landform:	:	Till Plain				1	
		NE Corner of Cl	R's 25 & 170	Posi	ition on Landform:		Backslope				1	(a la la
					Percent Slope:		4 to 5%				11	arcpacs \
Apr	plicant Name:	Lori Gar	rland		Shape of Slope:		Linear / Lienar				1 15	and the second sec
	Address:			F	Bedrooms or GPD:	:	4					STEVENA MILLER
	_			_	Date:	. Tues	sday, April 30, 2	2024			```	CERTIFIED PROFESSIONAL A
	Phone #:			_	Evaluator:		even Miller, CPS			V	107	O SOL DORTHING
	Lot #:	15		_			onmental Consu	_	Signature:	XP.	A la	28423
	Test Hole #:	15	,	-			P.O. Box 1121			win	VIII	
Latitud	ıde/Longitude:			-			elaware OH 430	/15	Phone#: <u>p</u>			
	Method:	_PitAuger	r <u>X</u> Tube		Job Number:		24D424			<u>soilcor</u>	nsultant@ya	<u>ahoo.com</u>
		<u> </u>			Soil Series:	<u> </u>						
Soil P	Profile		imating Soil Satura		4		Estimatin	ng Soil Permea	ability			
ļ		Munsell	ll Color (hue, value,		 						<i> </i>	
			Redoximorp	hic Features	 	Texture			Structure	.	4 !	
Homizon	Depth (in abas)	Matrix	Concentrations	Doulations	Class	Approx.	Approx. %	Crada	Size	Type (share)	Consistence	
Horizon	(inches)	Color	Concentrations	Depletions	Class	% Clay	Fragments	Grade	Size	(shape)	Consistence	Other Soil Features
Ар	0 to 8	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	8 to 12	10YR 5/6		10%10YR 5/3	sicl	32	2	2	m	sbk	fi	
Bt2	12 to 32	10YR 5/4		15%10YR 5/2	sicl	38	2	2	m	sbk	fi	
BC	32 to 35	10YR 5/4		20%10YR 5/2	sicl	36	2	1	m	sbk	fi	
Cd	35+	10YR 5/4		15%10YR 5/2	cl	34	5	0		m	vfi	
Limiting (Limiting Conditions inches			Description	T			Rem	narks / Risk Fac	ctors:		
Perched Seasonal	Water Table 12 perc			ched on glacial till	Surface wate	r should be di	verted around s	ystem. Subsu	ırface ag drainag	ge may be pre	esent.	
	pparent Water Table >60											
Highly Permeable												
Bedrock >60												
Restrictive Layer	-	35		glacial till		-				-		

	County:	Morro	эw	Land	Use / Vegetation:		Old Pasture					* = = = · = · = · = ·
Tov	wnship / Sec.:	Harmo	ony		Landform:		Till Plain				1	
Property Ac	ddress/Location:	NE Corner of C	R's 25 & 170	Posi	ition on Landform:		Backslope				1.	(a la la
					Percent Slope:		4 to 5%				11	accoaces i
Арј	plicant Name:	Lori Ga	rland	_	Shape of Slope:		Linear / Lienar				1 13	and the second sec
	Address:			F	Bedrooms or GPD:		4					STEVENA MILLER
				_	Date:		sday, April 30, 2	2024			1	CERTIFIED PROFESSIONAL IN
	Phone #:			_	Evaluator:	Ste	even Miller, CPS	SSc		b	103	OE
	Lot #:		,	-		Soil & Envir	ronmental Consu	ulting, Inc.	Signature:	XP	A la	28423
	Test Hole #:	16	1	-			P.O. Box 1121			with	000-	
Latitu	de/Longitude:			-		De	elaware OH 430)15	Phone#: p			
	Method:	Pit Auger	r <u>X</u> Tube		Job Number:		24D424			<u>soilcor</u>	nsultant@ya	<u>ahoo.com</u>
					Soil Series:							
Soil P	Profile		imating Soil Satur				Estimatin	ng Soil Perme	ability			
		Munsel	l Color (hue, value,									
			Redoximorp	phic Features		Texture			Structure		4 !	
	Depth	Matrix		1		Approx.	Approx. %	a 1		Туре	_	
Horizon	(inches)	Color	Concentrations	Depletions	Class	% Clay	Fragments	Grade	Size	(shape)	Consistence	Other Soil Features
Ар	0 to 8	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	8 to 18	10YR 5/6		10%10YR 5/2	sicl	33	2	2	m	sbk	fi	
Bt2	18 to 28	10YR 5/4		10%10YR 5/2	sicl	36	2	2	m	sbk	fi	
BC	28 to 32	10YR 5/4		15%10YR 5/2	sicl	34	2	1	m	sbk	fi	
Cd	32+	10YR 5/4		20%!0YR 5/2	cl	32	5	0		m	vfi	
	-											
Limiting (Conditions	inches		Description				Rem	narks / Risk Fac	ctors:		
-				ched on glacial till	Surface wate	r should be di	verted around s	system. Subsu	rface ag drainag	ge may be pro	esent.	
Apparent Water Table >60							· · · · · · · · · · · · · · · · · · ·	·				
Highly Permeable Material >60												
Bedrock >60												
Restrictive Layer		32		glacial till								

	County:	Morro	эw	Land	d Use / Vegetation:	·	Old Pasture					**************************************
Toy	wnship / Sec.:	Harmo	ony		Landform:		Till Plain				1	
Property Ad	ddress/Location:	NE Corner of Cl	R's 25 & 170	Posi	ition on Landform:		Backslope				1	
				_	Percent Slope:						11	CREEPacs \
App	plicant Name:	Lori Gar	rland	_	Shape of Slope:	:	Linear / Lienar	:				and the state of the state of the
	Address:			F	Bedrooms or GPD:		4					STEVEN A MILLER
					Date:		sday, April 30, 2			,	1	CERTIFIED PROFESSIONAL
	Phone #:				Evaluator:		even Miller, CPS			V	107	O E
	Lot #:	17					conmental Consu		Signature:	the	A the	28423
		17					P.O. Box 1121			u m	VIII	
Latitud	ide/Longitude:						elaware OH 430)15	Phone#: <u>p</u>			
	Method:	_PitAuger	r <u>X</u> Tube		Job Number:		24D424			<u>soilcor</u>	nsultant@ya	<u>ahoo.com</u>
					Soil Series:							
							B 4 4	2. U.D.				
Soil P	Profile		imating Soil Satur				Estimatin	ng Soil Permea	ability			
		Munsen	ll Color (hue, value,		 		——				!	
	Dauth) fatic	Redoximorp	hic Features	 	Texture			Structure	T	4 !	
Horizon	Depth (inches)	Matrix Color	Concentrations	Depletions	Class	Approx. % Clay	Approx. % Fragments	Grade	Size	Type (shape)	Consistence	Other Soil Features
Ар	0 to 8	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	8 to 18	10YR 5/6		5%10YR 5/3	sicl	32	2	2	m	sbk	fi	
Bt2	18 to 25	10YR 5/4		5%10YR 5/2	sicl	36	2	2	m	sbk	fi	
BC	25 to 30	10YR 5/4		10%10Yr 5/2	sicl	35	2	1	m	sbk	fi	
Cd	30+	10YR 5/4		15%10YR 5/2	cl	32	5	0		m	vfi	
	Limiting Conditions inches								narks / Risk Fac			
	erched Seasonal Water Table 18 per			ched on glacial till	Surface wate	r should be di	verted around s	ystem. Subsu-	ırface ag drainag	ge may be pre	esent.	
	Apparent Water Table >60											
Highly Permeable Material >60												
Bedrock												
Restrictive Layer		30		glacial till								

	County:	Morrow		Land	Land Use / Vegetation:		Old Pasture					**************************************
Tov	wnship / Sec.:	Harmo	ony		Landform:		Till Plain				1	
Property Ac	Property Address/Location: NE Corner of CR's 25 & 170		R's 25 & 170	Position on Landform:		:	Backslope				1	(a la la
				Percent Slope:						11	CREEPacs !!!	
Apr	plicant Name:	Lori Gar	rland	_	Shape of Slope:							and the second sec
	Address:			F	Bedrooms or GPD:		4				1	STEVEN A MILLER
	_			_	Date:	. Tues	sday, April 30, 2	2024		1	```	CERTIFIED PROFESSIONAL A
	Phone #:			_	Evaluator:		Steven Miller, CPSSc			V	107	O SOL DORTHING
	Lot #:	18		-			onmental Consu	_	Signature:	NP.	A la	28423
	Test Hole #:	18	,	-			P.O. Box 1121			win	VIII	
Latitud	ıde/Longitude:			-			elaware OH 430	/15	Phone#: <u>p</u>			
	Method:	_PitAuger	r <u>X</u> Tube		Job Number:		24D424			<u>soilcor</u>	nsultant@ya	<u>ahoo.com</u>
					Soil Series:	<u> </u>						
Soil P	Profile		imating Soil Satura		4		Estimatin	ng Soil Permea	ability			
ļ		Munsell	ll Color (hue, value,		l		r				,/	
			Redoximorp	hic Features				Structure		4 !		
TT :	Depth	Matrix		D lations	Class	Approx.	Approx. %	C ₁ , 1	S:	Type		
Horizon	(inches)	Color	Concentrations	Depletions	Class	% Clay	Fragments	Grade	Size	(shape)	Consistence	Other Soil Features
Ар	0 to 6	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	6 to 10	10YR 5/6		15%10YR 5/3	sicl	30	2	2	m	sbk	fi	
Bt2	10 to 21	10YR 5/4		20%10YR 5/2	sicl	38	2	2	m	sbk	fi	
BC	21 to 24	10YR 5/4		25%10YR 5/2	sicl	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				Rem	narks / Risk Fac	ctors:		
Perched Seasonal		10	perc	ched on glacial till	Surface wate	r should be di	verted around s	ystem. Subsu	ırface ag drainag	ge may be pre	esent.	
Apparent Water T		>60						·				
Highly Permeable	Material	>60										
Bedrock		>60										
Restrictive Layer 24				glacial till		-						

	County:	Morro	эw	Land	Use / Vegetation:		Old Pasture					* '='='='
Tov	wnship / Sec.:	Harmo	ony		Landform:		Till Plain				1	
Property Ac	ddress/Location:	NE Corner of C	R's 25 & 170	Position on Landform:			Backslope				1.	(a la la
				Percent Slope:							11	accoaces i
Apj	plicant Name:	Lori Ga	rland	_	Shape of Slope:	Linear / Lienar					1 13	and the second sec
	Address:			F	Bedrooms or GPD:		4					STEVENA MILLER
				_	Date:		sday, April 30, 2	2024			1	CERTIFIED PROFESSIONAL IN
	Phone #:			_	Evaluator:	Ste	even Miller, CPS	SSc		b	10	O SOLE SCIENTIST
	Lot #:	19				Soil & Envir	ronmental Consu	ulting, Inc.	Signature:	XP	A la	28423
	Test Hole #:	19					P.O. Box 1121			with	000-	
Latitu	de/Longitude:					De	elaware OH 430)15	Phone#: p			
	Method:	Pit Auger	r <u>X</u> Tube		Job Number:		24D424			<u>soilcor</u>	nsultant@ya	<u>ahoo.com</u>
					Soil Series:							
Soil P	Profile		imating Soil Satur				Estimatin	ng Soil Perme	ability			
	Munsell Color (hue, value,											
			Redoximorp	phic Features					Structure			
	Depth	Matrix		1		Approx.	Approx. %	a 1		Туре	_	
Horizon	(inches)	Color	Concentrations	Depletions	Class	% Clay	Fragments	Grade	Size	(shape)	Consistence	Other Soil Features
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				Rem	narks / Risk Fac	ctors:		
Perched Seasonal	Water Table	12	perc	ched on glacial till	Surface wate	r should be di	verted around s	system. Subsu	rface ag drainag	ge may be pro	esent.	
Apparent Water T	able	>60					· · · · · · · · · · · · · · · · · · ·	·				
Highly Permeable	Material	>60										
Bedrock		>60										
Restrictive Layer		35		glacial till	lacial till							

	County:	Morro	ow	Land	d Use / Vegetation:	•	Old Pasture					* = = =
Tov	wnship / Sec.:	Harmo	ony		Landform:		Till Plain				1	
Property Ac	ddress/Location:	NE Corner of C	R's 25 & 170	Position on Landform:							1.	(a la la
				Percent Slope:							11	arcpaces !!
Apj	plicant Name:	Lori Ga	rland	_	Shape of Slope:	Linear / Lienar					1 13	and the second sec
	Address:			F	Bedrooms or GPD:		4					STEVEN A MILLER
				_	Date:		sday, April 30, 2	2024			1	CERTIFIED PROFESSIONAL IN
	Phone #:		_	Evaluator:	Ste	even Miller, CPS	SSc		b	10	O SUL SULTING	
	Lot #:	20		-		Soil & Envir	conmental Const	ulting, Inc.	Signature:	XP	A la	28423
	Test Hole #:	20	l	-			P.O. Box 1121			with	000-	
Latitu	de/Longitude:					De	elaware OH 430)15	Phone#: p			
	Method:	PitAuger	r <u>X</u> Tube		Job Number:		24D424			<u>soilcor</u>	nsultant@ya	<u>ahoo.com</u>
					Soil Series:							
Soil P	Profile		imating Soil Satur				Estimatin	ng Soil Perme	ability			
	Munsell Color (hue, value,											
			Redoximorp	phic Features					Structure		4 !	
	Depth	Matrix	~	1		Approx.	Approx. %	a 1		Туре	_	
Horizon	(inches)	Color	Concentrations	Depletions	Class	% Clay	Fragments	Grade	Size	(shape)	Consistence	Other Soil Features
Ap	0 to 9	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	9 to 15	10YR 5/6			sicl	30	2	2	m	sbk	fi	
Bt2	15 to 23	10YR 5/6		5%10YR 5/3	sicl	36	2	2	m	sbk	fi	
BC	23 to 28	10YR 5/4		5%10Yr 5/2	sicl	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				Rem	narks / Risk Fac	ctors:		
Perched Seasonal	Water Table	23	perc	ched on glacial till	Surface wate	r should be di	verted around s	system. Subsu	rface ag drainag	ge may be pr	esent.	
Apparent Water T	able	>60						· · · · · · · · · · · · · · · · · · ·				
Highly Permeable	Material	>60										
Bedrock		>60										
Restrictive Layer		28		glacial till								

	County:	Morrow		Land	Land Use / Vegetation:		Old Pasture					*************
To	wnship / Sec.:	Harme	ony	,	Landform:	:	Till Plain				1	
Property Ac	rty Address/Location: NE Corner of CR's 25 & 170		Posi	tion on Landform:	:	Backslope				1.	(a la la	
			'	Percent Slope:						11	ancpaces i	
Apj	plicant Name:	Lori Ga	rland	'	Shape of Slope:		Linear / Lienar				15	and the second s
	Address:	Address:		Ē	Bedrooms or GPD:		4				1 1	STEVENA MILLER
			,	Date:	Tues	sday, April 30, 2	2024			1	CERTIFIED PROFESSIONAL /	
	Phone #:				Evaluator:	Ste	ven Miller, CPS	SSc		()	103	O SULE SCIENTIST 4.94
	Lot #:			,		Soil & Envir	onmental Const	ulting, Inc.	Signature:	XO.	1 la	28423
	Test Hole #:	21					P.O. Box 1121			itah	VJun	
Latitu	de/Longitude:					De	elaware OH 430)15	Phone#: p	-614.579.		
	Method:	Pit Auger	X Tube		Job Number:	:	24D424		-	soilcor	nsultant@ya	ahoo.com
					Soil Series:							
Soil I	Profile		imating Soil Satur				Estimatin	ng Soil Perme	ability			
		Munsel	l Color (hue, value									
			Redoximorp	ohic Features								
	Depth	Matrix				Approx.	Approx. %			Туре		
Horizon	(inches)	Color	Concentrations	Depletions	Class	% Clay	Fragments	Grade	Size	(shape)	Consistence	Other Soil Features
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				Rem	arks / Risk Fa	ctors:		
Perched Seasonal	Water Table	22	perc	ched on glacial till	Surface wate	r should be di	verted around s	ystem. Subsu	rface ag drainag	ge may be pro	esent.	
Apparent Water T	able	>60										
Highly Permeable	Material	>60										
Bedrock		>60										
Restrictive Layer		30										

	County:	Morro	эw	Land	d Use / Vegetation:		Old Pasture					* = = = · = · = · = ·
Tov	wnship / Sec.:	Harmo	ony		Landform:		Till Plain				1	
Property Ac	ddress/Location:	NE Corner of C	R's 25 & 170	Position on Landform:			Backslope				1.	(a la la
			Percent Slope:							11	arcpaces !!	
Apj	plicant Name:	Lori Ga	rland	_	Shape of Slope:	Linear / Lienar					1 13	and the second sec
	Address:			F	Bedrooms or GPD:		4					STEVEN A MILLER
				_	Date:		sday, April 30, 2	2024			1	CERTIFIED PROFESSIONAL IN
	Phone #:			_	Evaluator:	Ste	even Miller, CPS	SSc		b	103	OE
	Lot #:	22				Soil & Envir	ronmental Consu	ulting, Inc.	Signature:	XP	A la	28423
	Test Hole #:	22	r				P.O. Box 1121			with	000-	
Latitu	de/Longitude:					De	elaware OH 430)15	Phone#: p			
	Method:	Pit Auger	r <u>X</u> Tube		Job Number:		24D424			<u>soilcor</u>	nsultant@ya	<u>ahoo.com</u>
					Soil Series:							
Soil P	Profile		imating Soil Satur				Estimatin	ng Soil Perme	ability			
	Munsell Color (hue, value,					Texture						
			Redoximorp	phic Features	ļ			Structure		4 !		
	Depth	Matrix		1		Approx.	Approx. %	a 1		Туре	_	
Horizon	(inches)	Color	Concentrations	Depletions	Class	% Clay	Fragments	Grade	Size	(shape)	Consistence	Other Soil Features
Ар	0 to 8	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	8 to 14	10YR 5/6			sicl	34	2	2	m	sbk	fi	
Bt2	14 to 29	10YR 5/4		10%10yR 5/2	sicl	36	2	2	m	sbk	fi	
BC	29 to 34	10YR 5/4		10%10yR 5/1	sicl	34	2	1	m	sbk	fi	
Cd	34+	10YR 5/4		10%10yR 5/2	cl	30	5	0		m	vfi	
								1				
Limiting (Conditions	inches		Description				Rem	narks / Risk Fac	ctors:		
Perched Seasonal	Water Table	14	perc	ched on glacial till	Surface wate	r should be di	verted around s	system. Subsu	rface ag drainag	ge may be pr	esent.	
Apparent Water T	able	>60					· · · · · · · · · · · · · · · · · · ·	-				
Highly Permeable	Material	>60										
Bedrock		>60										
Restrictive Layer		34		glacial till								

	County:	Morro	зw	Land	Land Use / Vegetation:		Ag Field					*************
Toy	wnship / Sec.:	Harmo	ony		Landform:		Till Plain				1	
Property Ac	ddress/Location:	NE Corner of Cl	R's 25 & 170	Posi	ition on Landform:	:					1 .	(a la la
					Percent Slope:						11	ORCEACE \
Арј	plicant Name:	Lori Gar	rland		Shape of Slope:						1 15	and the second sec
	Address:			F	Bedrooms or GPD:		4					STEVENA MILLER
					Date:		sday, April 30, 2	2024		,	1	CERTIFIED PROFESSIONAL /
	Phone #:			_	Evaluator:		even Miller, CPS			V	103	O
	Lot #:	23		_		Soil & Envir	ronmental Consu	ulting, Inc.	Signature:	Xle	A lan	28423
		23		_			P.O. Box 1121			win	VIII	
Latitud	ide/Longitude:			-		De	elaware OH 430)15	Phone#: <u>p</u>			
	Method:	_PitAuger	r <u>X</u> Tube		Job Number:		24D424			<u>soilcor</u>	nsultant@ya	<u>ahoo.com</u>
					Soil Series:							
Soil P	Profile		imating Soil Satur		4		Estimatin	ng Soil Permea	ability			
		Munsel	l Color (hue, value,		I		——————————————————————————————————————					
			Redoximorp	phic Features	I	Texture	T		Structure		4 !	
Horizon	Depth (inches)	Matrix Color	Concentrations	Depletions	Class	Approx. % Clay	Approx. % Fragments	Grade	Size	Type (shape)	Consistence	Other Soil Features
Ар	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	
-	Conditions	inches		Description					narks / Risk Fac			
Perched Seasonal		12	perc	ched on glacial till	Surface wate	r should be di	verted around s	system. Subsur	irface ag drainag	ge may be pro	esent.	
Apparent Water T		>60										
Highly Permeable	Material	>60										
Bedrock		>60										
Restrictive Layer 32				glacial till								

	County:	Morro	ow	Land	d Use / Vegetation:		Ag Field					*************
To	wnship / Sec.:	Harmo	ony		Landform:		Till Plain				1	
Property Ac	ddress/Location:	NE Corner of C	R's 25 & 170	Position on Landform:							1 .	(a la la
					Percent Slope:						11	arcpace)
Ap	plicant Name:	Lori Ga	rland		Shape of Slope:						1 15	and the second sec
	Address:			F	Bedrooms or GPD:		4					STEVENA MILLER
				_	Date:		sday, April 30, 2	2024		,	1	CERTIFIED PROFESSIONAL A
	Phone #:			_	Evaluator:		even Miller, CPS			V	103	O SOL DORTHER
	Lot #:	24		-		Soil & Envir	conmental Consu	ulting, Inc.	Signature:	XP	A lan	28423
		24	1	-			P.O. Box 1121			win	VIII	
Latitu	ide/Longitude:			-		De	elaware OH 430)15	Phone#: <u>p</u>			
	Method:	_PitAuger	r <u>X</u> Tube		Job Number:		24D424			<u>soilcor</u>	nsultant@ya	<u>ahoo.com</u>
					Soil Series:							
ã. (1) i												
Soil F	Profile		imating Soil Satur		4		Estimatin	ng Soil Permea	ability			
J		Munsel	ll Color (hue, value,	. ,	 		——————————————————————————————————————					
	D 1		Redoximorp	phic Features					Structure		4 !	
Horizon	Depth (inches)	Matrix Color	Concentrations	Depletions	Class	Approx. % Clay	Approx. % Fragments	Grade	Size	Type (shape)	Consistence	Other Soil Features
Ар	0 to 8	10YR 4/3			sil	20	2	1	m	sbk	fr	
Bt1	8 to 25	10YR 5/4		10%10YR 5/2	sicl	35	2	2	m	sbk	fi	
Bt2	25 to 37	10YR 5/4		15%10YR 5/2	sicl	36	2	2	m	sbk	fi	
BC	37 to 42	10YR 5/4		20%10YR 5/2	sicl	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				Rem	1arks / Risk Fac	ctors:		
Perched Seasonal		8	perc	ched on glacial till	Surface wate	r should be di	verted around s	system. Subsur	rface ag drainag	ge may be pro	esent.	
Apparent Water T		>60										
Highly Permeable	Material	>60										
Bedrock		>60										
Restrictive Layer 42				glacial till								