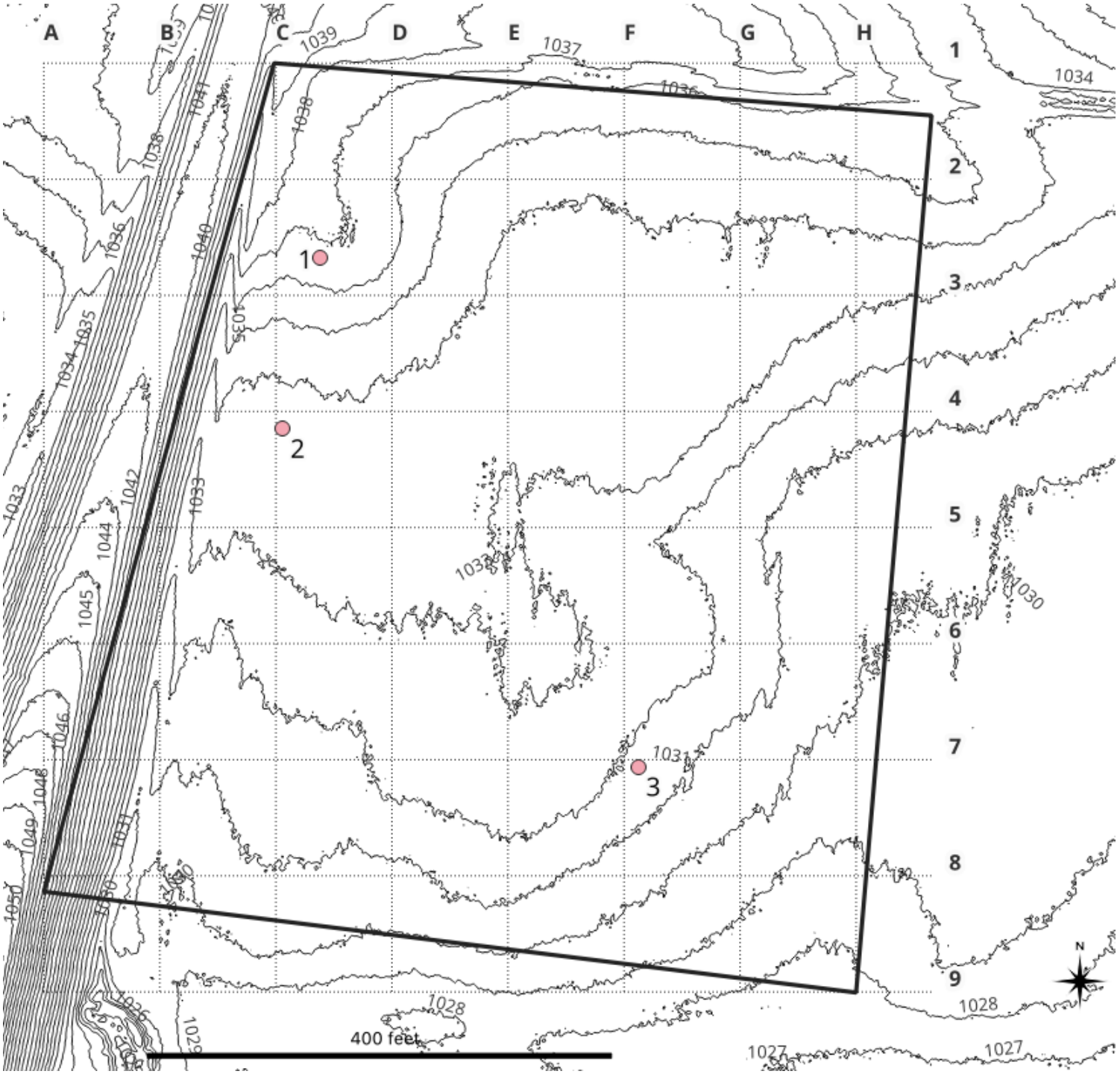
South Field

A
B
C
D
E
F
G
H
1
2
3
4
5
6
7
8
9
1037
1034
1040
1042
1044
1045
1046
1048
1049
1033
1030
1031
1028
400 feet
N

South Field


A
B
C
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1
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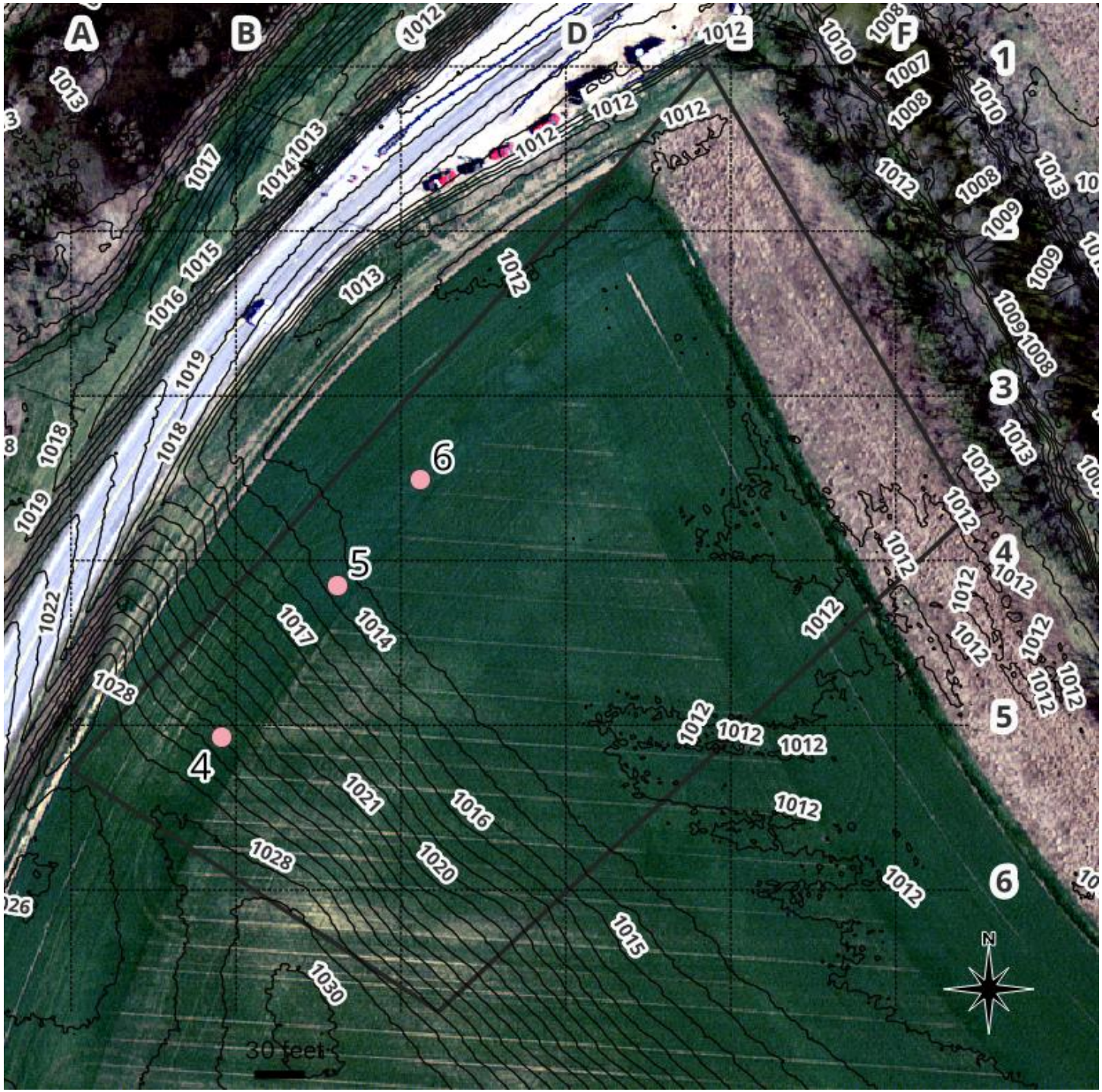
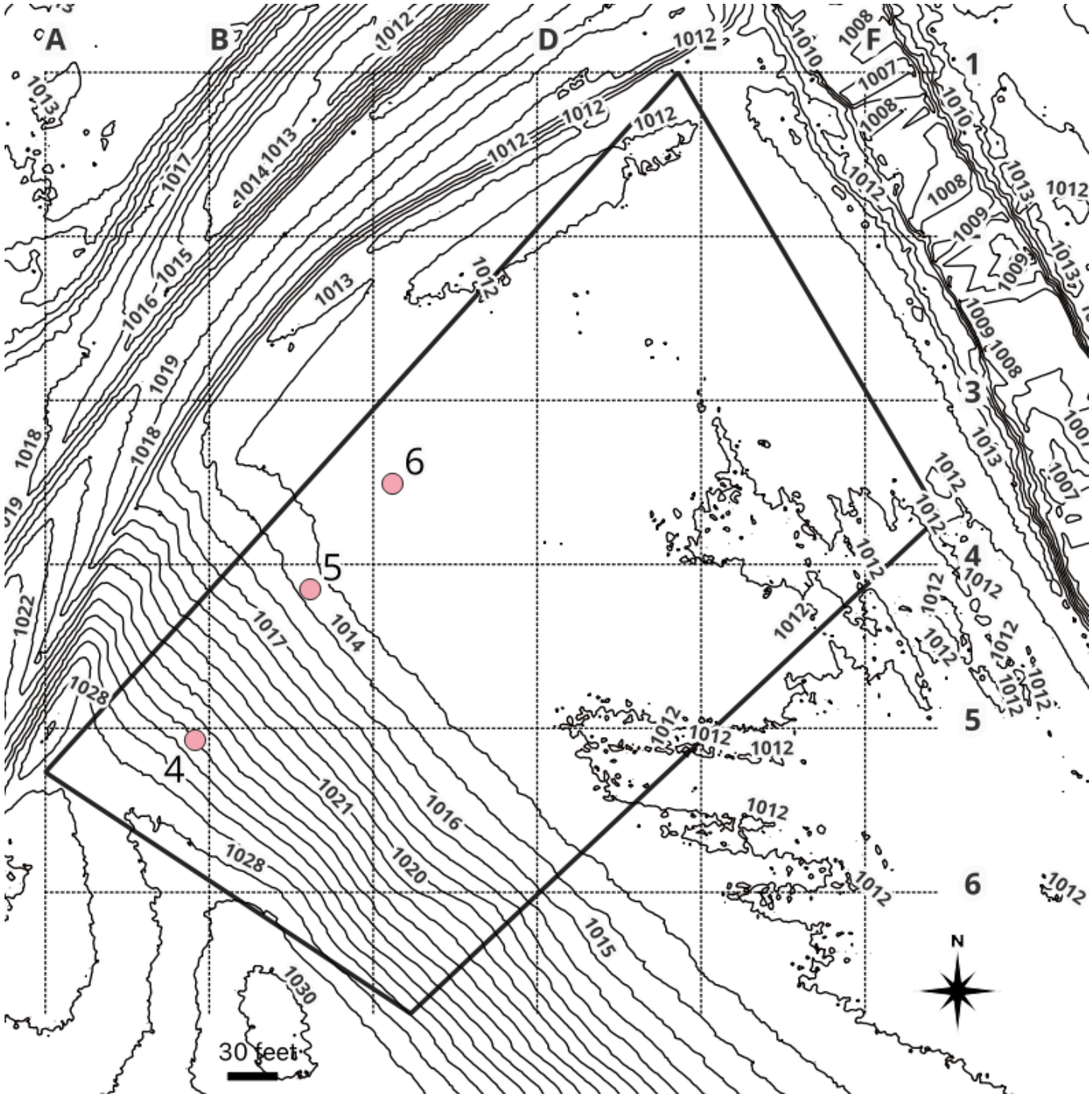
1046
1048
1049
1050
1031
1030
1028
1027
N
400 feet

House Field



House Field



Site and Soil Evaluation for Sewage Treatment and Dispersal

County: _____
Township / Sec.: _____
Property Address/Location: _____
_____
Applicant Name: _____
Address: _____
_____
Phone #: _____
Lot #: _____
Test Hole #: _____
Latitude/Longitude: _____
Method: ___ Pit ___ Auger ___ Probe

Land Use / Vegetation: _____
Landform: _____
Position on Landform: _____
Percent Slope: _____
Shape of Slope: _____

Date: _____
Evaluator: _____
_____
_____
_____

Certification Stamp or Certification #: _____

Signature: _____

Phone#: _____

Soil Profile		**Estimating Soil Saturation**			**Estimating Soil Permeability**							
		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	**Other Soil Features**

Limiting Conditions	Depth to (in.)	Descriptive Notes	**Remarks / Risk Factors:**
Perched Seasonal Water Table			
Apparent Water Table			
Highly Permeable Material			
Bedrock			
Restrictive Layer			

Note : The evaluation should include a complete site plan or site drawing.

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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

Horizon Nomenclature

Master Horizons	
O	Predominantly organic matter (litter & humus)
A	Mineral, organic matter (humus) accumulation, loss of Fe, Al, clay
E	Mineral, loss of Si, Fe, Al, clay, organic matter
B	Subsurface accumulation of clay, Fe, Al, Si, humus; sesquioxides; loss of $CaCo_3$; subsurface soil structure
C	Little or no pedogenic alteration, unconsoilidated earthy material, soft bedrock
R	Hard bedrock

Horizon Suffixes	
a	Highly decomposed organic matter
b	Buried genetic horizon
d	Densic layer (physically root restrictive)
e	Moderately decomposed organic matter
g	Strong gley
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

Horizon Modifiers
Numerical Prefixes: Used to denote lithologic discontinuities.
Numerical Suffixes: Used to denote subdivisions within a master horizon.

Soil Texture

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

*Estimate approximate clay percentage within 5 percent

Soil Structure

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

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

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

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

Lot #	Grid ID	Surface Color	Vegetation	Residue	Notes
1	C6				
1	D6				
1	E7				
1	F7				
1	F6				
1	F5				
1	F4				
1	F3				
1	C5				
1	C4				
1	C3				
1	D3				
1	E3				
1	E4				
1	D4				
1	D5				
1	E5				
1	E6				

Lot #	Grid ID	Surface Color	Vegetation	Residue	Notes
2	B5				
2	B6				
2	D6				
2	D5				
2	D4				
2	C5				
2	C3				
2	B4				