



Site and Soil Evaluation for Sewage Treatment and Dispersal



County: Morrow
 Township / Sec.: Bennington
 Property Address/Location: SW corner of Co. Rd. 206 and Twp. Rd. 191
 Applicant Name: Dorovan Kubin, Countrywide Realty
 Address: 2451 Cincinnati - Zanesville Rd
 Phone #: 614 354-5317
 Lot #: 3
 Test Hole #: 1
 Latitude/Longitude: _____
 Method: Pit Auger Probe

Land Use / Vegetation: Cropland
 Landform: Glaciated upland
 Position on Landform: lower side slope of knoll
 Percent Slope: 1 to 2
 Slope of Slope: linear
 Evaluator: Larry James
 Signature: Larry James
 Address: 511 St. Rt. 61 N
 City: Suburb, OH 43074
 Phone #: 740 965-3254
 Certification Stamp or Certification #: _____

4 Bedroom House

Soil Profile		Estimating Soil Saturations				Estimating Soil Permeability				Other Soil Features				
Horizon	Depth (Inches)	Munsell Color (hue, value, chroma)	Matrix Color	Concentrations	Depletions	Class	Texture	Approx. % Clay	Approx. % Fragments		Grade	Structure	Size	Type (shape)
Ap	0-12		10YR 7/2			Sil	25	-	-	2	Fm, V, F	Gr	Fr	
Bt1	12-25		10YR 5/6	10YR 5/4	35% 10YR 5/2	Silcl	35	-	-	2	M	SbK	Fi	
Bt2	25-47		10YR 5/4	10YR 5/4	45% 10YR 5/2	Silcl	35	-	-	2	M	SbK	Fi	
Bcg	47-56		5Y 8/2	10YR 5/4		Silcl	30	Few	Few	1	M	SbK	Fi	
Cd	56-60		10YR 4/4	10YR 5/4	30% 10YR 5/2	Cl	30	Few	Few	0		M	VFi	
Limiting Conditions		Descriptive Notes				Remarks / Risk Factors:								
Perched Seasonal Water Table	Depth to (in.)	Perched on glacial till				Elliptical soil								
Apparent Water Table	12													
Highly Permeable Material														
Bedrock	260													
Restrictive Layer	56	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 150.1-29-08.

The Designer and the Morrow County Health Department will select the final loading rates used to design the sewer system.

Linear loading rate of 2.7 gals/d/sq ft

Basal loading rate of 0.6 gals/d/sq ft (BOD > 30 mg/l)

Perched on glacial till. The recommendation is to intercept a drain upslope from the field. There are probably agricultural subsurface drains in this area. Loading rates based on 5 systems installed 6 inches below the soil surface.

Site and Soil Evaluation for Sewage Treatment and Dispersal



County: Morrow
 Township / Sec.: Brennington
 Property Address/Location: SW Corner of Co. Rd. 206
and Twp. Rd. 191
 Applicant Name: Dorothy Kuhn, County Trustee
 Address: 2651 Cincinnati, Zanesville, OH 43130
 Cell Phone #: 614 354-5317
 Lot #: 3
 Test Hole #: 2
 Latitude/Longitude: _____
 Method: _____ Pit _____ Auger _____ Probe _____

Land Use / Vegetation: Cropland
 Landform: Glaciated Upland
 Position on Landform: Side of thornhill
 Percent Slope: 5 to 10
 Direction of Slope: linear
 Date: 4-30-20
 Evaluator: Larry Jones
 Certification Stamp or Certification #: 240965-3254
 Signature: Larry Jones
 Title: Soil Investigator
 Address: Oil St. Rt. 4274
Subburg, OH 43074
4 Bedroom House

Soil Profile		Estimating Soil Saturation				Estimating Soil Permeability				Other Soil Features			
Horizon	Depth (inches)	Munsell Color (hue, value, chroma)		Redox/Imorphic Features		Class	Approx. % Clay	Approx. % Fragments	Grade	Structure		Consistence	
		Matrix Color	Depletions	Concentrations	Size					Type (shape)			
Ap	0-9	7.5YR 2/4				Sil	25	Few	2	F, VEM	GI	FI	
Bt1	9-29	7.5YR 2/4				CL	35	Few	2	F+M	SBK	FI	
Bt2	19-33	10YR 5/4	300/10YR 5/4	10YR 5/4		SICL	35	Few	2	M	SBK	FI	
Bc	33-42	10YR 4/4	250/10YR 5/4	10YR 5/4		CL	35	5	1	M	SBK	FI	
Cd	42-53	10YR 4/4	150/10YR 5/4	10YR 5/4		CL	30	5	0	M	M	VFI	
Limiting Conditions		Depth to (in.)		Descriptive Notes									
Perched Seasonal Water Table		19		Perched on Glacial Till								Remarks / Risk Factors: <u>Controlled by 2011</u>	
Apparent Water Table				* <u>Installed 13 inches below the soil surface.</u>								<u>Baseal loading rate of 0.4 galls/d/ft² (BOD 20 mg/l)</u>	
Highly Permeable Material		>53										<u>linear loading rate of 2.7 galls/d/ft²</u>	
Bedrock		42		Glacial Till									
Restrictive Layer													

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.
 * The Designer and the Morrow County Health Department will select the final loading rates used to design the sewage system.