

Aitkin County Holding Tank Design Lake Lot

Property Owner: Richard Hartman Date: 6/14/2021 Designer's Initials : JB

Please record the depth of all horizons, redoximorphic features, restricting layers, and saturated soils. Include all Chroma and hue values.

SB - 1 Proposed Site		
Depth (in.)	Texture	Color
0 - 8	Top Soil	10YR 3/2
8 - 10	Clay Loam	10YR 5/3
10"	Mottels	7.5YR5/4
	Redox	10YR 6/2

SB - 2 A Alternate Site		
Depth (in.)	Texture	Color

SB - Proposed Site		
Depth (in.)	Texture	Color

SB - Alternate Site		
Depth (in.)	Texture	Color

Soil Sizing Factors / Hydraulic Loading Rates							
Perc. Rate	Texture	SSF	HLR	Perc. Rate	Texture	SSF	HLR
<0.1	Coarse Sand			16 to 30	Loam	1.67	0.60
0.1 to 5	Sand	0.83	1.20	31 to 45	Silt Loam	2.00	0.50
0.1 to 5	Fine Sand	1.67	0.6	46 to 60	Clay Loam	2.20	.045
6 to 15	Sandy Loam	1.27	0.79	> 60	Clay Loam	****	0.24

Description of Soil Treatment Areas				
	Proposed Site		Alternate Site	
Disturbed Area ?	No		No	
Compacted Area ?	No		No	
Flooding Potential ?	No		No	
Run On Potential ?	No		No	
Limiting Layer Depth	SB = 1 10"	SB = 0 10"	SB = 2 A	SB = 0
Slope % and Direction	Flat			
Landscape Position	Side slope			
Vegetation Types	Woods & Old Yard			
Soil Texture	Clay Loam			
Soil Sizing Factor (SSF)	2.00		Select One	

Comments : Soil borings near tank area. Owner wants holding tanks over type III Mound at present time.