Alternate Septic Site Owner to protect from any development.

Preliminary & Field Evaluation Form

www.SepticResource.com vers 12.4

			Owne	r Information		
Date <u>6/</u>	20/2019			Sec / Twp / Rng	S-27, T-50, F	R-24
Parcel ID 18	18-0-046000			LUG (county, city, township)	Aitkin Co.	
Property Owner: Be	Bebo Properties III LLC.			Owners address (if different)		
Property Address: 53	511 Great	River Rd F	Palisade MN 56	1065 Tonka	wa RD	
City / State / Zip:				Orono MN	55356	
		Flow I	nformation	and Waste Type / Strengt	h	
Estimated Design flow				Anticipated Waste strength	☐ Hi Strength	☑ Domestic
				Any Non-Domestic Waste	☐ Yes (class V)	☑ No
Comments:				Sewage ejector/grinder pump	□ Yes	□ No
Alternate site (2nd site, existing mound is Compliant)			Water softener	□ Yes		
						□ No
				Garbage Disposal	☐ Yes	□ No
				Daycare / In home business	☐ Yes	□ No
			Site	Information		
Existing & proposed lo improvements located		☐ Yes p)	☑ No	Well casing depth	Proposed dee	ep well
Easements on lot locat (see site map)	ed	☐ Yes	☑ No	Drainfield w/in 100' of residential well	☐ Yes	□ No
Property lines determine (see site map)	ned	☑ Yes	□ No	Site w/in 200' of transient noncommunity water supply (T	☐ Yes NCWS)	☑ No
Req'd setbacks determ (see site map)	ined	☑ Yes	□ No	Site w/in an inner wellhead mgmt zone (CWS/NTNCWS)	☐ Yes	☑ No
Utilities located & ide (gopher state one call)	ntified	☐ Yes	☑ No	Buried water supply pipe w/in 50' of system	☐ Yes	□No
Access for system mai	ntenance	☐ Yes	□ No	Site located in Shoreland (w/in 1000' of lake, 300' of river)	☐ Yes	☑ No
(shown on site map)		✓ Yes	□ No	Site map prepared with	☑ Yes	□ No
(shown on site map) Soil treatment area pro	tected	_ 103		previous items included		

			Soil Information		
			Evidence of site: Cut Filled Compacted Disturbed	☐ Yes ☐ Yes ☐ Yes ☐ Yes	☑ No ☑ No ☑ No ☑ No
Original soils	✓ Yes	□ No			
Soil logs completed and attached	☑ Yes	□No	Perk test completed and attached (if applicable)	☐ Yes	☑ No
Soil loading rate (gpd/ft ²)	0.78	<u> </u>	Percolation rate (if applicable)		
Depth/elev to SHWT Depth to system bottom	22" NA		Flooding or run-on potential (comments)	☐ Yes	□ No
maximum (or elev minimum) Depth/elev to standing water (if applicable)			Flood elevation (if applicable)		
Depth/elev to bedrock (if applicable)		_	Elevation of ordinary high water level (if applicable)		
Soil Survey information determined (see attachment)	☑ Yes	□No	Floodplain designation and elev - 100 yr/10 yr (if applicable)		
Differences between soil survey and field evaluation (if applicable)					
	-				
I hereby certify this evaluation wa	as completed	d in accord	dance with MN 7080 and any local req's.		
Jell Manney		В	Brummer Septic LLC.		L-1347
Designer Signature			Company		License #

Soil Observation Log

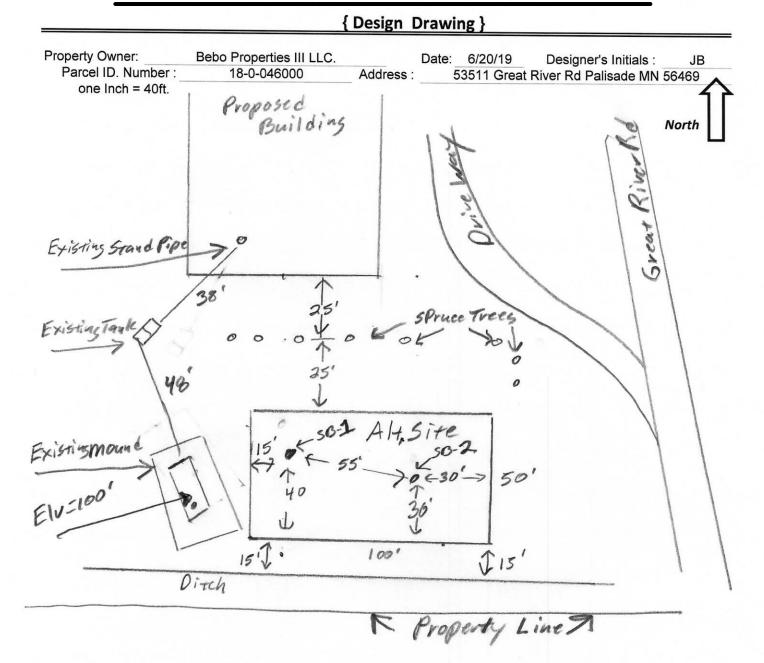
			0 16		www	.SepticResourc	ce.com vers 12.4
			Owner Info	ormation			
Property Ow	ner / project:	Bebo Prope	erties III LLC.		Date	6/20	0/2019
Property Add	dress / PID:	53511 Grea	at River Rd Palisa	ade MN 5			
			Soil Survey I	nformation	☐ refer t	o attached soil	survev
Parent matl's	:	☑ IIII ☑		custrine			Bedrock
landscape po	sition:	☐ Summit	☐ Shoulder	☐ Side slope	☐ Toe slope	Flat	
soil survey m	nap units:	1353B & 133E		slope 0-1	% direction-	west	-
	Bench Mark Ele	evation =100)' top of Exitsing	Mound near ins	pection pipe		
			Soil Lo				
	☑ Boring	☐ Pit	Elevation	97.2'	Depth to SHWT	22"	
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape
0 - 6	Topsoil Sandy Loam	<35	10YR3/2		Loose	Loose	Granular
6 - 13	Sandy Loam	<35	10YR4/3		Loose	Loose	Granular
13 - 22	Sandy Loam	<35	10YR4/4	Wet Color	Loose	Loose	Granular
22 - 30	Sandy Loam	<35	10YR5/2		Loose	Loose	Granular
30 - 33	Loam with thin layers of clay loam	<35	10YR5/4	7.5YR5/4	Friable	Weak	Blocky
Comments:							

53511 Gre	at River Rd Palis	sade MN 56	469 S	oil Log #2			
	✓ Boring	☐ Pit	Elevation	97.6'	Depth to SHWT	35"	
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape
0 - 5	Topsoil Sandy Laom	<35	10YR3/2		Loose	Loose	Granular
5 - 14	Sandy Loam	<35	10YR4/3		Loose	Loose	Granular
14 - 24	Sandy Loam	<35	10YR4/4		Loose	Loose	Granular
24 - 35	Med Sand	<35	10YR5/4		Loose	Loose	Granular
35 - 37	Sandy Loam	<35	10YR5/3	Mottled 7.5YR5/6	Loose	Loose	Granular
53511 Gre	at River Rd Palis	ade MN 56	469 S	oil Log #3			
	☐ Boring	☐ Pit	Elevation		Depth to SHWT	6	
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	- shape
		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive
		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive
		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive
		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive
		<35 35 - 50 >50			loose friable firm rigid	loose weak moderate strong	single grain granular blocky prismatic platy massive

I hereby certify this work wa	completed in accordance	with MN 7080 and any	local req's.
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Jeff Bmanier	Brummer Septic LLC.	L-1347
Designer Signature	Company	License #

Alternate Septic Site Owner to protect from any development.



Grade near inpsection pipe, at top of existing mound is Bench Mark = Elv. = 100'

	Surface/ SHWT			Existing Grade
Soil Bore 1	97.2'/22"	Bench Mark	100'	
Soil Bore 2	97.6"/35"	Ground Elv. BM		
Soil Bore 3		Ground Elv. Tank		
	Ground at	Proposed house	98.5'	

Please show all that apply (Existing)

Please Draw to Scale with North to Top or Left Side of Page:

Wells within 100ft. Of Drain field.

Disturbed/Compacted Areas

Component Location

Drain field Areas:

OHW ordinary high water

Lot Easements

Please Draw to Scale with North to Top or Left Side of Page:

Access Route for Tank Maintenance

Property Lines

Structures

Setbacks



Detailed Parcel Report

Parcel Number: 18-0-046000

General Information

Township/City:

LIBBY TWP

Taxpayer Name:

BEBO PROPERTIES III LLC

Taxpayer Address:

1065 TONKAWA RD

ORONO MN 55356

Property Address:

53511 GREAT RIVER RD

Township:

50

Lake Number:

Range:

24

Lake Name:

Section:

27

Acres:

9.50

0

Green Acres:

No

School District:

1.00

Plat:

Brief Legal Description:

E1/2 SW NW & PT SE NW LYING W OF CO RD 10 EXCEPT N866.50 FT DOC 373736

Tax Information

Class Code 1:

Non-Homestead Qualifying Single Res Unit

Class Code 2:

Unclassified

Class Code 3:

Unclassified

Homestead:

Non Homestead

Assessment Year:

2019

Estimated Land Value:

\$26,800.00

Estimated Building Value:

\$88,400.00

Estimated Total Value:

\$115,200.00

Prior Year Total Taxable Value:

\$109,000.00

Current Year Net Tax (Specials Not Included):

\$848.00

Total Special Assessments:

\$0.00

**Current Year Balance Not Including Penalty:

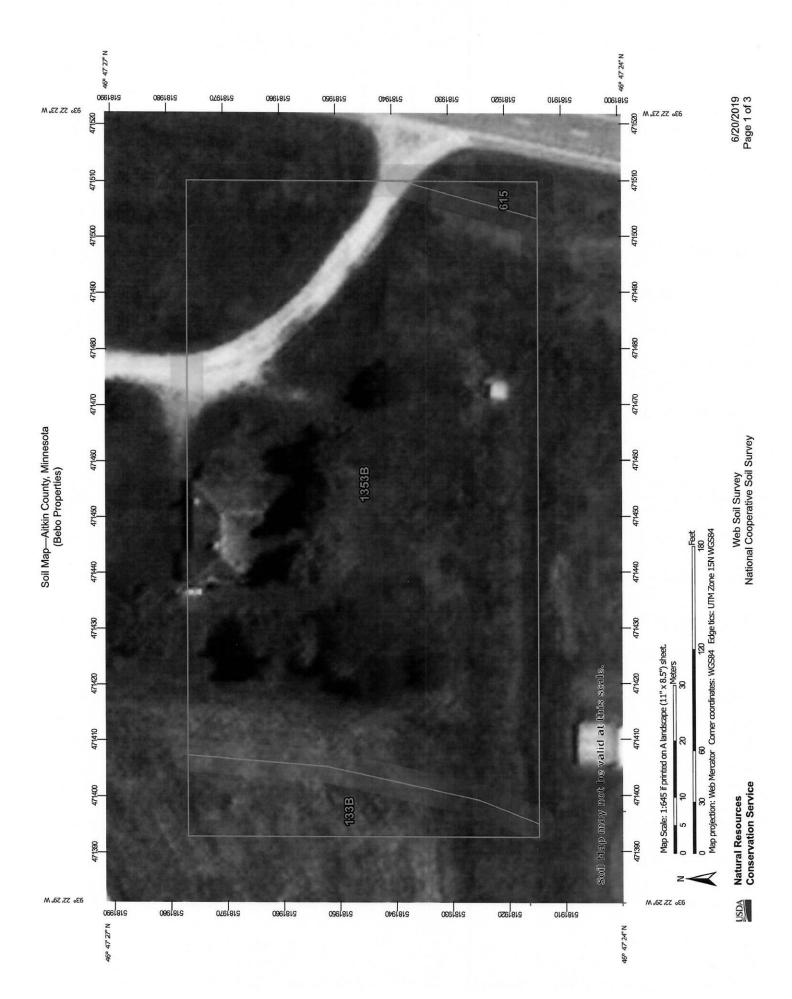
\$424.00

Delinquent Taxes:

No

^{*} For more information on delinquent taxes, please call the Aitkin County Treasurer's Office at 218-927-7325.

^{**} Balance Due on a parcel does not include late payment penalties.



USDA

Soil Map—Aitkin County, Minnesota (Bebo Properties)

MAP LEGEND

		1	
Area of In	Area of Interest (AOI)	Œ	Spoil Area
	Area of Interest (AOI)	Q	Stony Spot
Soils	Soil Man Unit Polygons	8	Very Stony S
] ;	Soil Map Unit lines	Ð	Wet Spot
	Soil Map Unit Points	\Diamond	Other
Special	Special Point Features	•	Special Line
400	Blowout	Water Features	ıtures

Stony Spot

sial Line Features

Borrow Pit Clay Spot

Ø

莱 0

Streams and Canals Interstate Highways Major Roads **US Routes** Rails **Fransportation** ŧ Closed Depression

Local Roads

Gravelly Spot

Gravel Pit

Aerial Photography

Marsh or swamp

Lava Flow

Landfill

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

Saline Spot Sandy Spot

Background

scale.

contrasting soils that could have been shown at a more detailed

line placement. The maps do not show the small areas of

misunderstanding of the detail of mapping and accuracy of soil Enlargement of maps beyond the scale of mapping can cause

Warning: Soil Map may not be valid at this scale.

The soil surveys that comprise your AOI were mapped at

1:20,000

MAP INFORMATION

Please rely on the bar scale on each map sheet for map measurements.

Source of Map:

Web Soil Survey URL:

Natural Resources Conservation Service

Coordinate System: Web Mercator (EPSG:3857)

distance and area. A projection that preserves area, such as the Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required. This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Survey Area Data: Version 19, Sep 12, 2018 Soil Survey Area: Aitkin County, Minnesota

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger. Date(s) aerial images were photographed: May 19, 2014—Aug

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Severely Eroded Spot

Slide or Slip

Sinkhole

Sodic Spot

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
133B	Dalbo very fine sandy loam, 1 to 6 percent slopes	0.2	8.7%
615	Cowhorn loamy very fine sand	0.0	1.1%
1353B	Cutaway loamy fine sand, 1 to 6 percent slopes	1.6	90.2%
Totals for Area of Interest		1.8	100.0%

Aitkin County, Minnesota

1353B—Cutaway loamy fine sand, 1 to 6 percent slopes

Map Unit Setting

National map unit symbol: gjd4 Elevation: 980 to 1,310 feet

Mean annual precipitation: 20 to 27 inches Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 95 to 105 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Cutaway and similar soils: 85 percent Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Cutaway

Setting

Landform: Moraines

Landform position (two-dimensional): Backslope, summit

Down-slope shape: Linear Across-slope shape: Linear

Parent material: Sandy outwash over loamy till

Typical profile

A - 0 to 2 inches: loamy fine sand E,Bw,E' - 2 to 26 inches: loamy sand 2E/B,2B/E - 26 to 49 inches: loam 2C - 49 to 60 inches: loam

Properties and qualities

Slope: 1 to 6 percent

Depth to restrictive feature: More than 80 inches Natural drainage class: Moderately well drained

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high to high (0.20 to 2.00 in/hr)

Depth to water table: About 41 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum in profile: 20 percent

Available water storage in profile: Moderate (about 7.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3s

Hydrologic Soil Group: B

Forage suitability group: Sloping Upland, Acid (G088XN006MN)

Hydric soil rating: No

Minor Components

Northwood and similar soils

Percent of map unit: 6 percent Landform: Depressions Hydric soil rating: Yes

Sandwick and similar soils

Percent of map unit: 6 percent Landform: Swales Hydric soil rating: Yes

Dusler and similar soils

Percent of map unit: 3 percent Hydric soil rating: No

Data Source Information

Soil Survey Area: Aitkin County, Minnesota Survey Area Data: Version 19, Sep 12, 2018

Aitkin County, Minnesota

133B—Dalbo very fine sandy loam, 1 to 6 percent slopes

Map Unit Setting

National map unit symbol: gjd0 Elevation: 980 to 1,310 feet

Mean annual precipitation: 20 to 27 inches Mean annual air temperature: 37 to 41 degrees F

Frost-free period: 95 to 105 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Dalbo and similar soils: 90 percent Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Dalbo

Setting

Landform: Lake plains

Landform position (two-dimensional): Backslope

Down-slope shape: Linear Across-slope shape: Linear

Parent material: Silty and clayey lacustrine deposits

Typical profile

A - 0 to 3 inches: very fine sandy loam E,Bt,BC - 3 to 35 inches: silty clay C - 35 to 60 inches: silty clay loam

Properties and qualities

Slope: 1 to 6 percent

Depth to restrictive feature: More than 80 inches Natural drainage class: Moderately well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.60 in/hr)

Depth to water table: About 30 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum in profile: 30 percent

Available water storage in profile: Moderate (about 8.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2e

Hydrologic Soil Group: C

Forage suitability group: Sloping Upland, Neutral (G088XN002MN)

Hydric soil rating: No

Minor Components

Brickton and similar soils

Percent of map unit: 5 percent Landform: Flats Hydric soil rating: Yes

Well drained

Percent of map unit: 2 percent Hydric soil rating: No

Cathro and similar soils

Percent of map unit: 1 percent Landform: Bogs Hydric soil rating: Yes

Hassman and similar soils

Percent of map unit: 1 percent Landform: Depressions Hydric soil rating: Yes

Sandy substratum

Percent of map unit: 1 percent Hydric soil rating: No

Data Source Information

Soil Survey Area: Aitkin County, Minnesota Survey Area Data: Version 19, Sep 12, 2018