

# Preliminary & Field Evaluation Form

23-219

Type III Mound ( Disturbed Soil )

www.SepticResource.com vers 12.4

Owner Information			
Date	<u>10/30/2023</u>	Sec / Twp / Rng	<u>S-12, T-49, R-27</u>
Parcel ID	<u>52-1-036500</u>	LUG (county, city, township)	<u>Aitkin Co.</u>
Property Owner:	<u>Heidi Sammon</u>	Owners address (if different)	
Property Address:	<u>40309 502nd Ln Palisade MN 56469</u>	<u>6707 Wildrye Cir. S.</u>	
City / State / Zip:	<u>651-442-7897</u>	<u>Cottage Grove MN 55016</u>	

Flow Information and Waste Type / Strength			
Estimated Design flow	<u>450</u>	Anticipated Waste strength	<input type="checkbox"/> Hi Strength <input checked="" type="checkbox"/> Domestic
Comments: Type III Mound because of some disturbed soils Mound area has an old shed foundation and sidewalk to be removed Existing Shallow well tp be sealed, new deep well installed Aitkin Co. Operating permit required. Event counter on pump control Or Water meter on household water.		Any Non-Domestic Waste	<input type="checkbox"/> Yes (class V) <input checked="" type="checkbox"/> No
		Sewage ejector/grinder pump	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		Water softener	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		Garbage Disposal	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		Daycare / In home business	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Site Information					
Existing & proposed lot improvements located (see site map)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Well casing depth	Proposed deep well Seal Existing Shallow well.	
Easements on lot located (see site map)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Drainfield w/in 100' of residential well	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Property lines determined (see site map)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Site w/in 200' of transient noncommunity water supply (TNCWS)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Req'd setbacks determined (see site map)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Site w/in an inner wellhead mgmt zone (CWS/NTNCWS)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Utilities located & identified (gopher state one call)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Buried water supply pipe w/in 50' of system	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Access for system maintenance (shown on site map)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Site located in Shoreland (w/in 1000' of lake, 300' of river)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Soil treatment area protected	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Site map prepared with previous items included	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Construction related issues	<u>Deep Well To the West 53ft to rockbed of mound.</u> <u>Existing shallow well to be sealed, new deep well between house and lake</u> Type III Mound because of disturbed soil, old shed foundations and side walk removed				

Aitkin Co Operating Permit Required

### Soil Information

**Evidence of site:**

Cut	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Filled	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Compacted	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Disturbed	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> 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<sup>2</sup>) 0.78

Percolation rate (if applicable) \_\_\_\_\_

Depth/elev to SHWT 22" 16"

Flooding or run-on potential  Yes  No  
(comments)

Depth to system bottom maximum (or elev minimum) (+18")

Flood elevation (if applicable) \_\_\_\_\_

Depth/elev to standing water (if applicable) \_\_\_\_\_

Elevation of ordinary high water level (if applicable) 1233.7

Depth/elev to bedrock (if applicable) \_\_\_\_\_

Floodplain designation and elev - 100 yr/10 yr (if applicable) 1236.9

Soil Survey information determined (see attachment)  Yes  No

Approx. Upslope edge grade of rockbed Elv.= 1244' from Aitkin Co. GIS Map

Differences between soil survey and field evaluation (if applicable) \_\_\_\_\_  
\_\_\_\_\_

*I hereby certify this evaluation was completed in accordance with MN 7080 and any local req's.*

  
\_\_\_\_\_  
Designer Signature

Brummer Septic LLC.  
\_\_\_\_\_  
Company

L-1347  
\_\_\_\_\_  
License #



40309 502nd Ln Palisade MN 56469								Soil Log #2	
		<input checked="" type="checkbox"/> Boring	<input type="checkbox"/> Pit	Elevation <u>98'</u>		Depth to SHWT <u>22"</u>			
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape		
0 - 6	Topsoil Sandy Loam	<35	10YR3/2		Loose	Loose	Granular		
6 - 16	Sandy Loam	<35	10YR4/4		Loose	Loose	Granular		
16 - 22	Sandy Loam	<35	10YR5/4		Loose	Loose	Granular		
22 - 26	Sandy Loam	<35	10YR5/4	7.5YR5/6	Loose	Loose	Granular		

40309 502nd Ln Palisade MN 56469								Soil Log #3	
		<input checked="" type="checkbox"/> Boring	<input type="checkbox"/> Pit	Elevation <u>97.9'</u>		Depth to SHWT <u>18"</u>			
Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape		
0 - 6	Topsoil Sandy Loam	<35	10YR3/2		Loose	Loose	Granular		
6 - 18	Sandy Loam	<35	10YR4/4		Loose	Loose	Granular		
18 - 22	Sandy Loam	<35	10YR4/4	7.5YR5/6	Loose	Loose	Granular		

I hereby certify this work was completed in accordance with MN 7080 and any local req's.

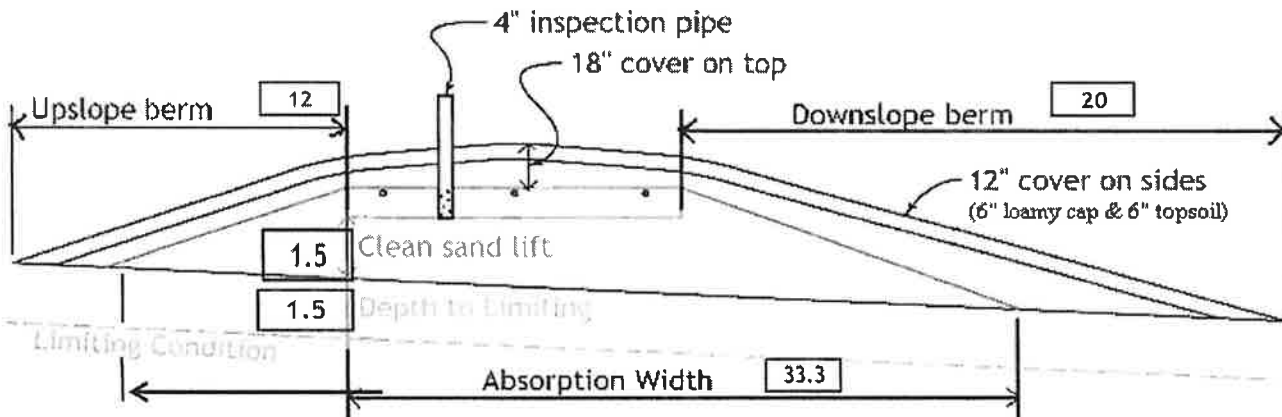
  
 Designer Signature

Brummer Septic LLC.  
 Company

L-1347  
 License #



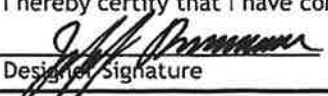
- 23) 0.78 gpd/ft<sup>2</sup> Absorption area Soil Loading Rate, which gives a mound ratio of 1.5 (minimum)  
 (this must match the soil boring log) desired mound ratio 1.5
- 24) 5 percent site slope (0-20% range) 5 (% downslope site slope, if different than upslope)
- 25) 18 inches, or 1.5 ft. to Redox or other limiting condition (need at least 12" to be a Type I)  
 Treatment zone contains 0 inches of 0% soil credit, and 0 inches of 50% soil credit. Giving a:
- 26) 18 inch, or 1.5 ft. Sand Lift Mound **CRITICAL FOR FUTURE CERTIFICATIONS!!!**
- 27) 15.0 ft. base absorption width (with sand beyond rockbed as follows):  
 33.3 greater of: absorption width OR sand slope
- 28) 0.0 ft. upslope and sideslope sand upslope 8.3  
 5.0 ft. Downslope sand down slope 15.0
- Individual slope ratios give BERM widths (topsoil beyond rockbed) of:
- 29) 4:1 upslope ratio 12 ft. upslope berm
- 30) 4:1 sideslope 16 ft. sideslope berms
- 31) 4:1 downslope 20 ft. downslope berm
- 32) Overall Dimensions: 10.0 ft. wide by 38.0 ft. long Rock bed  
 42 ft. wide by 70 ft. long Mound footprint



Note:  
 For 0 to 1% slopes, Absorption Width is measured from the Bed equally in both directions.  
 For slopes >1%, Absorption Width is measured downhill from the upslope edge of the Bed.

- 33) Rock Bed:  
 10.0 ft. by 38.0 ft. by 9 inches under pipe, plus 20% gives 17 yd<sup>3</sup> or \*1.4= 24 ton
- 34) Mound Sand: (note: volume is based on 3:1/4:1 slope from top of rockbed, Exchange sand for loamy cap if desired)  
 23.9 up + 51.7 downslope + 13.3 ends + 24.6 under rock = 136 yd<sup>3</sup> or \*1.4= 191 ton  
 plus 20%
- 35) Loamy Cap:  
 38 ft. by 66 ft. 6" deep, plus 20% gives 56 yd<sup>3</sup> or \*1.4= 78 ton
- 36) Topsoil:  
 42 ft. by 70 ft. 6" deep, plus 20% gives 66 yd<sup>3</sup> or \*1.4= 92 ton

I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.

 Designer Signature  
 Brummer Septic LLC. Company  
 L-1347 License#  
 10/30/2023 Date

Aitkin Co Operating Permit Required  
 Event Counter and Alarm on Pump controller or water meter on house hold water

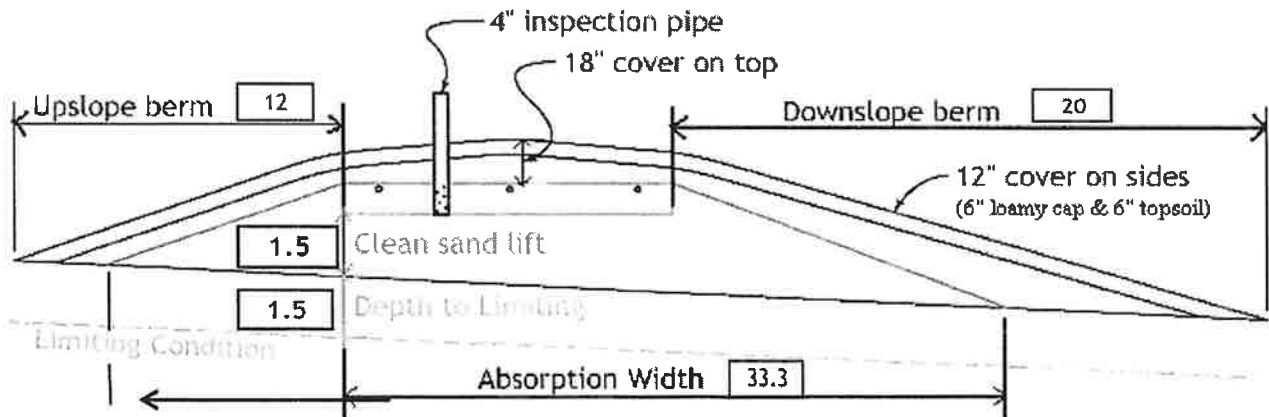
# Installer Summary

- 1000 gallon Septic tank (minimum) Tank options: none
- Install 1650 Jacobson 2/Compartment Septic/Pump tank
- 533 gallon Dose tank (minimum) at 12.69 gpi
- 29 GPM @ 22 ft. of head, Pump required
- 5.8 inch swing on Demand float which translates to roughly 3.9 inches of float tether length
- if time dosing is required --> 2.5 minutes ON time & 5.2 hours OFF time
- 18 inches from bottom of tank to "pump ON" float, or 12 inches to "timer ON" float
- 21 inches from bottom of tank to "Hi Level Alarm" or 31 inches to "Hi level alarm" if time dosed
- 50 ft. of 2.0 inch supply line with end feed manifold connection
- (Tip: "top feed" manifold to control drainback)
- 18 inch, or 1.5 ft. Sand Lift Mound
- 10.0 ft. wide by 38.0 ft. long Rock bed
- 3 laterals 1.50 inch diameter 36.0 ft. long 3.0 ft. lateral spacing
- 1/4" inch perfs 3.0 ft. perforation spacing
- No Effluent filter & alarm
- 3 clean out & valve box assemblies

- 33.3 ft. Total sand ABSORPTION width (minimum)
- 8.3 ft. upslope and sideslope (sand beyond rockbed, minimum)
- 15.0 ft. Downslope (sand beyond rockbed, minimum)

Specific slope ratios give BERM widths (topsoil beyond rockbed) of:

- 4:1 upslope ratio 12 ft. upslope berm
- 4:1 sideslope 16 ft. sideslope berms
- 4:1 downslope 20 ft. downslope berm



**Note:**  
 For 0 to 1% slopes, *Absorption Width* is measured from the *Bed* equally in both directions.  
 For slopes > 1%, *Absorption Width* is measured downhill from the upslope edge of the *Bed*.

Rock Bed:	17.0 yd <sup>3</sup> or *1.4=	24 ton	9 inches under pipe
Mound Sand:	136 yd <sup>3</sup> or *1.4=	191 ton	
Loamy Cap:	56 yd <sup>3</sup> or *1.4=	78 ton	6" deep
Topsoil:	66 yd <sup>3</sup> or *1.4=	92 ton	6" deep

## INSPECTOR CHECKLIST - mound

40309 502nd Ln Palisade MN 56469

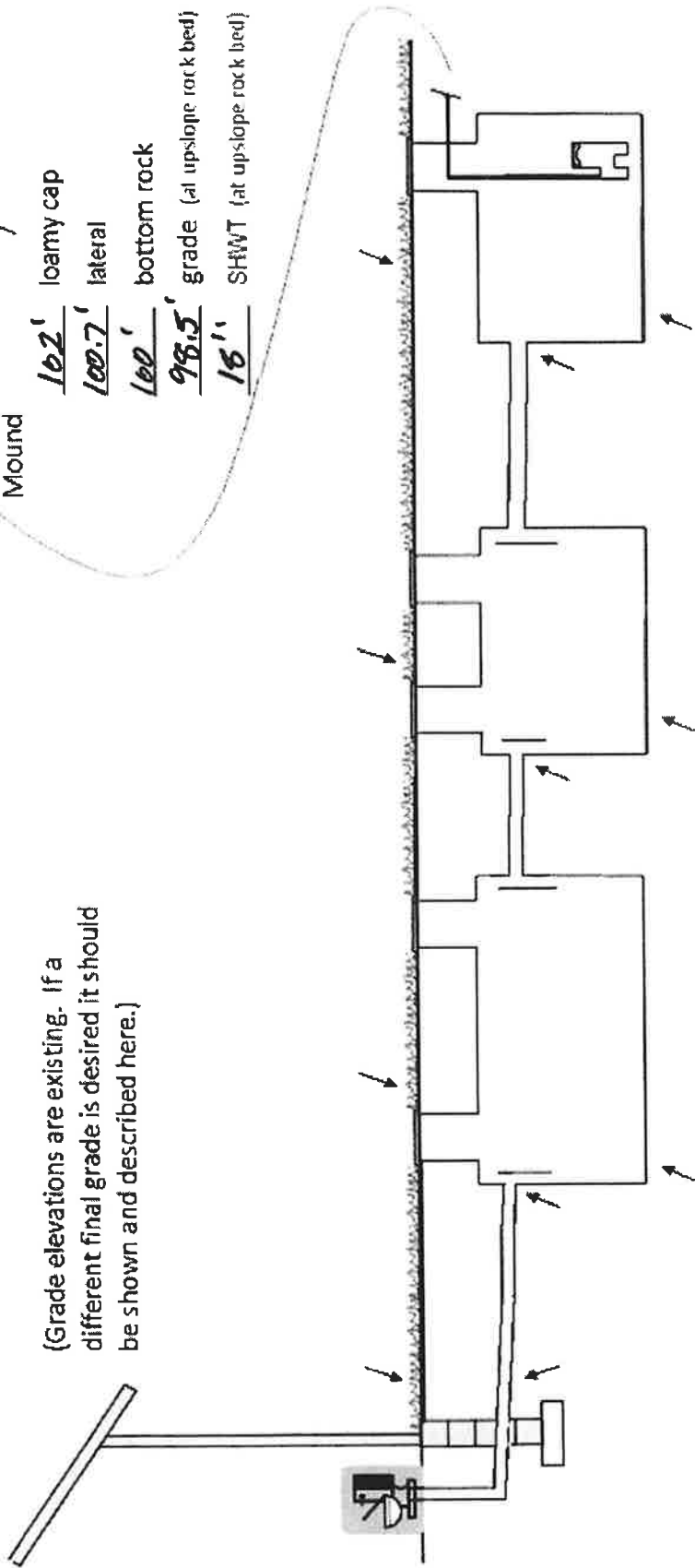
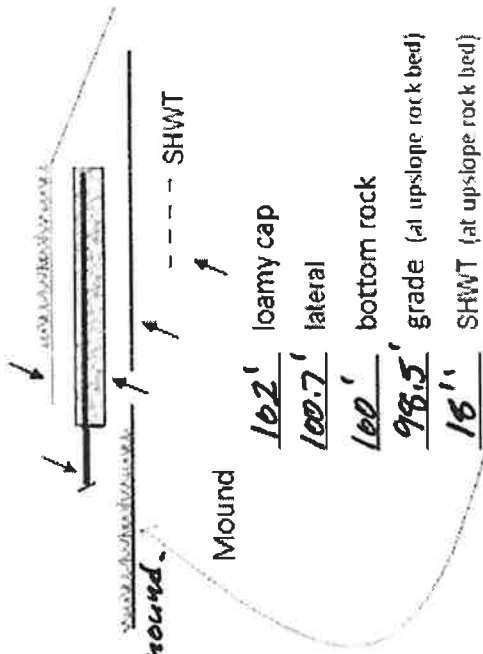
- WELL setbacks: 20' to pressure tested sewer line (5 psi for 15 min)  
50' to everything 100' to dispersal area with shallow well
- PROPERTY LINES setback: 10' to everything
- Road setback: platted: 10' prop line. Metes & bounds: out of road easement, or outer ditch.
- LAKE / BLUFF setback: 20' for bluff. Lakes: GD \_\_\_\_, RD \_\_\_\_, NE \_\_\_\_\_. Protected wetland \_\_\_\_.
- Building setbacks: 10' for everything, 20' for dispersal area.
- WATER LINE under pressure se 10' to bed, tank & sewer line. (else sewer line > 12" below, else ok w/pvc)
  
- Sewer line & baffle connection (no 90's, 3' between 45's, slope min 1" in 8', max 2" in 8')  
(no depth req's, clean out every 100', Sch 40 pipe)
  
- Septic tank and risers (water tight, insulated, proper depth, existing verified by pumping)  
mfg \_\_\_\_\_ 1000 gallons none \_\_\_\_\_
  
- Riser over outlet, riser over inlet or center, and 6"+ inspection pipe over any remaining baffles.
- No \_\_\_\_\_ effluent filter & alarm
- Dose tank risers and piping (water tight, insulated, proper depth, drainback)  
mfg \_\_\_\_\_ 533 gallons
  
- dose pump \_\_\_\_\_ 29 gpm 22 head VERIFY PUMP CURVE 2.5 min ON 5.2 hr OFF
  
- float setting drop 5.8 inches at 12.7 gpi "DESIGNED" 3.9 inches approx float tether length  
73.0 gal dose divided by \_\_\_\_\_ gpi "INSTALLED" = \_\_\_\_\_ inches float drop (field corrected)  
LABEL pump requirements and drawdown on riser or panel
  
- Cam lock reachable from grade - 30" max. J-hook weep hole. Supply line access (no hard 90's)  
2.0 inch supply pipe: Sch40, sloped 1/8"+, supported by 4" sch40 sleeve or compacted, and buried 6"+.  
splice box / control panel / electrical connections  
flow measurement: CT, ETM, time dosed, home water meter  
mound absorption area rough up  
mound rock dimensions 10.0 X 38.0  
Sand lift depth 18 inches. (Jar test : 2" sand leaves < 1/8" silt after 30 min)
  
- Absorption Sand beyond rock 8.3 upslope 15.0 downslope
  
- Bermed topsoil beyond rockbed 12 upslope 16 sideslope 20 downslope
  
- cover depth of 12-18"+ VERIFY
- 3 laterals (1-2' from edge of rock)
- 1.50 inch pipe size (Sch40 pipe & fittings)
- 3.0 ft lateral spacing
  
- 1/4" inch perforations
- 3.0 ft perforation spacing
  
- Air inlet at end of laterals, and at top feed manifold if necessary. VERIFY
- clean outs (no hard 90's)
- 4" inspection pipe to bottom of rock, anchored VERIFY
  
- Abandon existing system - if necessary  Re-use existing tank certification
- monitoring plan and type \_\_\_\_\_
- well abandonment form - if necessary \_\_\_\_\_



# System Elevations

ELV = 100' benchmark Nail on Spruce Tree West of mound.

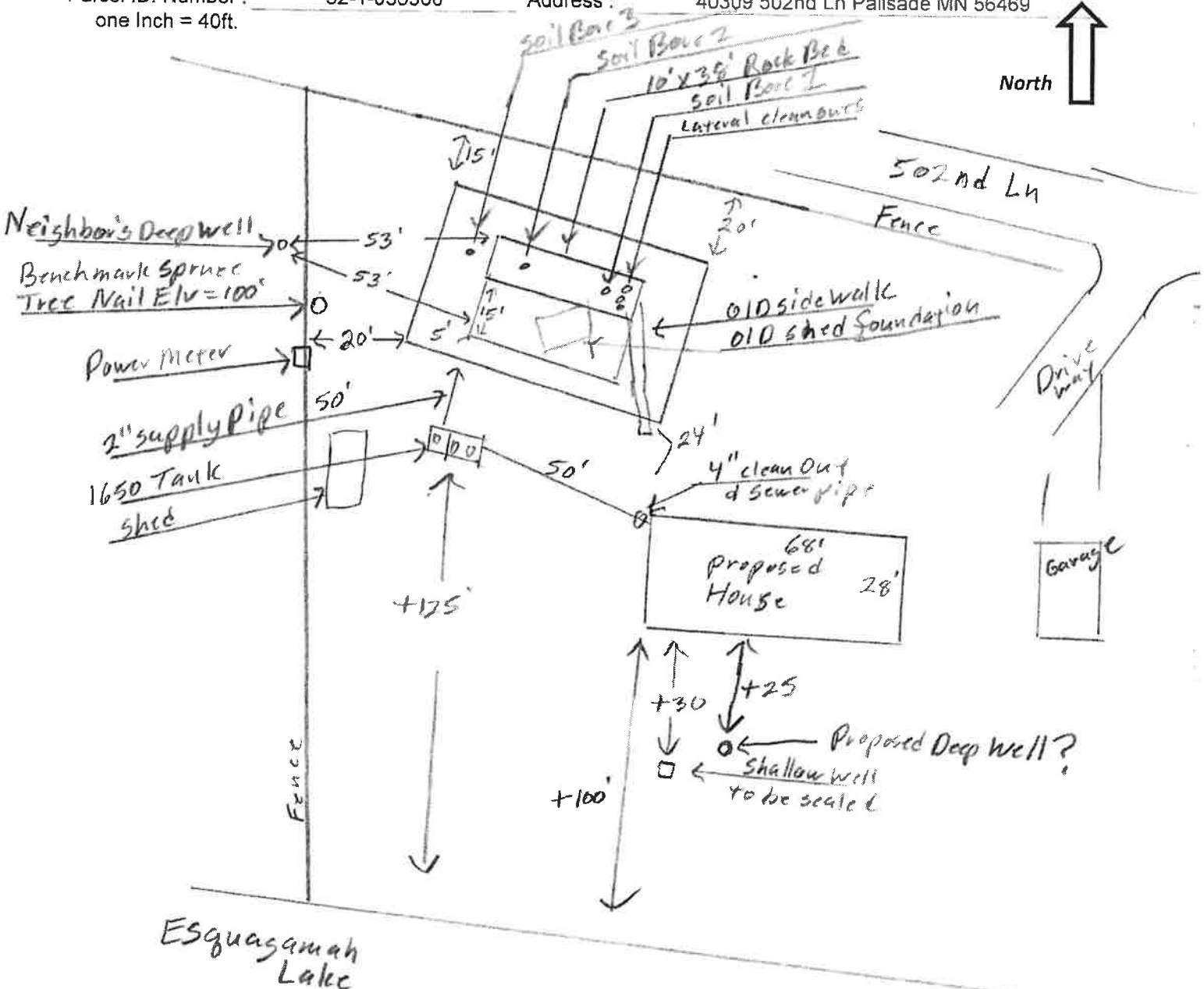
(Grade elevations are existing. If a different final grade is desired it should be shown and described here.)



Sewer pipe exiting-house	Septic Tank	Septic Tank (if applicable)	Pump Tank
Proposed <u>96.8'</u> Grade	<u>95.5'</u> Grade	___ Grade	<u>95.5'</u> Grade
Existing approx <u>94.8'</u> Pipe	<u>93.5'</u> inlet	___ inlet	<u>93.3'</u> inlet
	<u>91.5'</u> Tank bottom	___ Tank bottom	<u>91.5'</u> Tank bottom

# { Design Drawing }

Property Owner: Heidi Sammon Date: 10/30/23 Designer's Initials: JB  
 Parcel ID. Number: 52-1-036500 Address: 40309 502nd Ln Palisade MN 56469  
 one Inch = 40ft.



Existing Grade at Proposed house corners NW Elv. = 96.8' SW Elv. = 96.3' NE Elv. = 102.8' SE Elv. = 100.7'

Lake Elv. = 89.3' on 10/30/23 Shore Elv. = 91.6'

Estimated Upslope grade Elv. = 1244' Aitkin Co. GIS Map

	Surface/ SHWT	Nail on Maple tree = Bench Mark 100'	Existing Grade
Soil Bore 1	98.2' / 22"	Bench Mark 100'	Upslope Edge of Rockbed Elv. = 98.5'
Soil Bore 2	98' / 22"	Ground Elv. BM 95'	Bottom of Rockbed Elv. = 100'
Soil Bore 3	97.9' / 18"	Ground Elv. Tank 95.5'	Top of Washed Sand Elv. = 100'
	Ground at Proposed house	96.8' NW Corner	Elv. Of Sewer pipe at Cabin Elv. = 94.8'

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.
- Water lines within 10 ft. of Drain field.
- Drain field Areas:

- |                           |                                   |
|---------------------------|-----------------------------------|
| Disturbed/Compacted Areas | Access Route for Tank Maintenance |
| Component Location        | Property Lines                    |
| OHW ordinary high water   | Structures                        |
| Lot Easements             | Setbacks                          |


## Mound Design Notes - Aitkin county

Property Owner: Heidi Sammon Date: 10/30/23

Site Address: 40309 502nd Ln Palisade MN 56469 PID: 52-1-036500

Comments: **Mound design may not follow Aitkin co. Auto fill form for mound design.**

- 1 This is a type III mound , ( Disturbed Soil, old foundation and side walk removal ) sized for a 3 bedroom system.
- 2 Existing Shallow well to be sealed, New Deep well might be between house and lake.
- 3 Existing Deep Well to the West ( Neighbor's lot) will meet the 50' ft setback to Rockbed and absorption area.  
Buried power on west lot line.
- 4 The house will be gravity flow from west side of house, install clean-out near house.
- 5 Install 1650 Jacobson 2/Compartment Septic/Pump tank for gravity flow from house.  
Install tank low enough for drainback from mound to pump tank.  
Recommend installing an effluent filter in septic tank outlet. Install alarm on Effluent filter.
- 6 The berm slopes are at 4:1. Neighbor's Well setback is 53 ft from rockbed and absorption area.  
Mound location is on contour, use 5% slope up slope also ( Upslope is around 10% ).
- 7 Elevation contour of rock bed upslope edge is 98.5' , SW berm corner will be approx. 20 ft. from West property line.  
The area size of the rock bed is 10' x 38' . Absorption area is 38' x 33.3'.  
Sand absorption area is 8.3 ft. up slope + 10 ft. rockbed + 15 downslope = approx. 33.3 ft. wide sand base.  
Berms are 12ft. Upslope, 20ft. Down slope, 10ft. Rock bed = approx. 42ft. Wide.  
Overall mound size is approx. 42' wide x 70' long and approx. 3.5' high. End berms are 16ft. Wide.
- 8 The bench mark is the nail on the Spruce tree West of mound area, BM = Elv. 100'.  
Installer to double check bench mark. Installer should confirm bench mark and sand height Elv. with inspector.  
Installer should record bench mark Elv. and sand height on installation inspection form.  
The top of the sand and bottom of rock bed is Elv. 100'.
- 9 It is important that the soils do not get compacted, and that clean Washed sand is used.
- 10 The Jacobson 1650 tank will be gravity flow from dwelling. Install the pump for 7 demand doses per day. approx. 73 gallons per dose, 5.8 inches of tank level. Install alarm at 3 inches from pump on level.  
Install all manholes, inspection pipes and clean-outs to grade or above. ( Recommend min. 4" above grade)  
Install a 2" supply pipe from tank to end manifold in rock bed, install so pipe drains back to tank.  
Install 1.5" laterals with 9" of rock under them. ( Install Lateral clean-outs at far end of laterals. Recommended )
- 11 **Drill 1/4" perf holes spaced 3 ft. on center.**  
Install 4" inspection pipe to bottom of rock bed, secure in rock bed and raise to above final grade.
- 12 Install Event counter on Effluent pump, calibrate pump and give gallons per event to Owner.
- 13 Designer does not guarantee or warranty any Type III systems.  
Designed to Aitkin Co. and MPCA recommendations and requirements.

  
\_\_\_\_\_  
Designer Signature

Brummer Septic LLC.  
Design Company

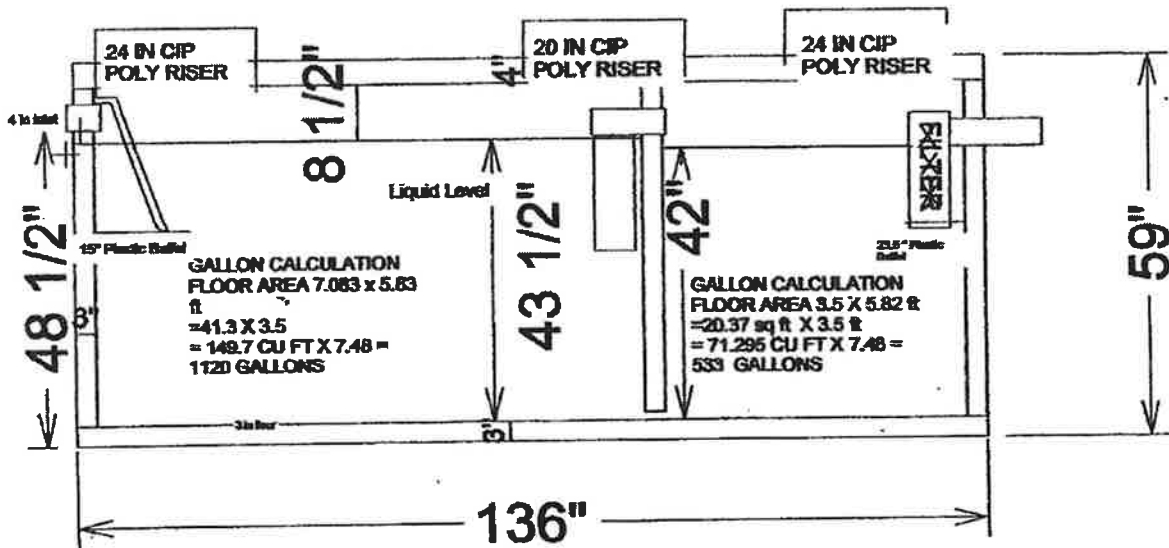
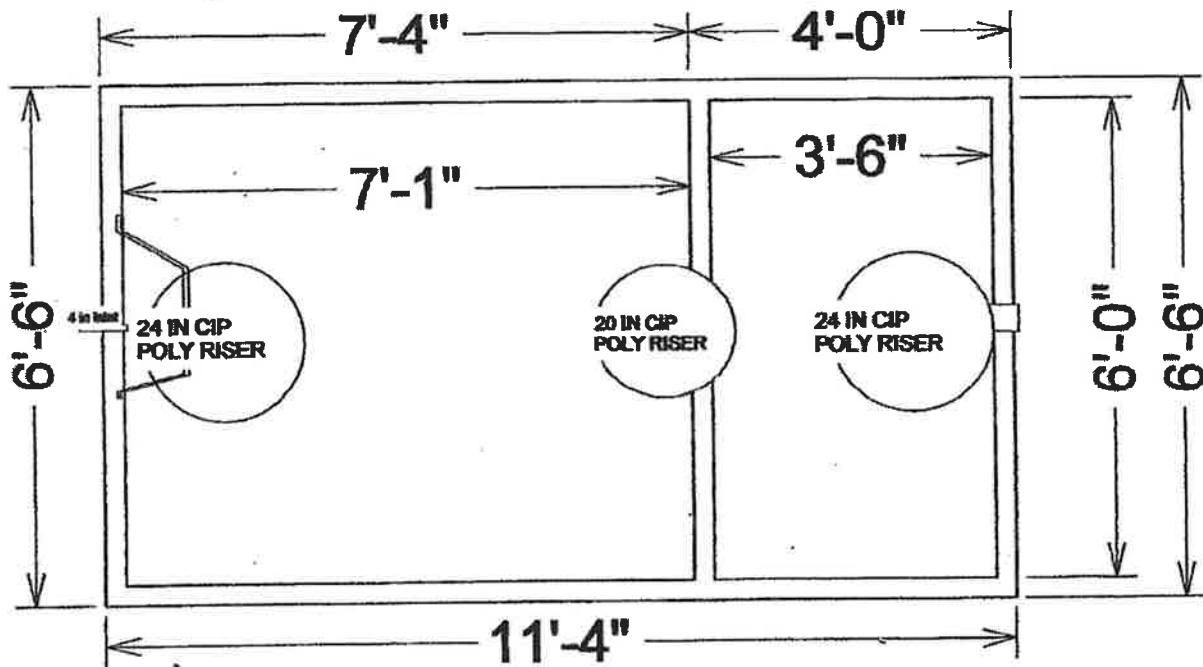
L-1347  
License#

This System will require an Aitkin Co. Operator permit, annual inspection

Owner and installer are responsible for owner knowing how system is maintained.

# 1650 Gallon 2 Compartment Septic Tank

## TOP VIEW



## SIDE VIEW

$533 / 42" = 12.69 \text{ GPI}$

Drawings Owned BY Jacobson Precast, Inc.  
36641 HWY 169, Aitkin, Mn 56431





# Minnesota Well Index

## General Information

*Neighbor's well to the west*

Unique Well ID:	<b>590360</b>	Well Name:	<b>HEALY, THOMAS C.</b>	County:	<b>Aitkin</b>	Aquifer:	<b>Quat. buried artes. aquifer</b>
Well Elevation (msl in feet):	<b>1238</b>	Drilled Depth (ft):	<b>80</b>	Well Completed (ft):	<b>80</b>	Date Drilled:	<b>10/22/1996</b>
Township:	<b>49</b>	Range:	<b>27</b>	Dir:	<b>W</b>	Section:	<b>12</b>
Subsection:	<b>DBDDCA</b>	Use:	<b>domestic</b>	Well Status:	<b>Active</b>	Depth To Bedrock:	
Driller:	<b>Lambert Well Co.</b>	Entry Date:	<b>02/10/1997</b>	Update Date:	<b>11/14/2017</b>		

### Related Resources:

[Go to MN Well Index Map](#)   [Well Log Report](#)   [Scanned Record\(s\)](#)   [Stratigraphy Report](#)

**More Details**   **Stratigraphy**   **Address**   **Chemical Data**   **Construction**   **Pump Test**

**Static Water**   **Comments**   **Location Changes**   **Overview Map**

Description	From(ft)	To(ft)	Color	Hardness	Lith Primary	Lith Secondary	Interpretation
CLAY	0	8	GRAY	SOFT	CLAY		clay-gray
SAND	8	20	BROWN	SOFT	SAND		sand-brown
CLAY	20	45	GRAY	HARD	CLAY		clay-gray
CLAY/GRAVEL	45	55	GRAY	HARD	CLAY		pebbly sand/silt/clay-gray
SAND/GRAVEL	55	80	BLUE	SOFT	SAND		sand +larger-gray



# Detailed Parcel Report

Parcel Number: 52-1-036500

## General Information

*middle lot.*

Township/City: 49-27 UNORG  
 Taxpayer Name: SAMMON, DANIEL & HEIDI  
 Taxpayer Address: 6707 WILDRYE CIR S  
 COTTAGE GROVE MN 55016  
 Property Address: 40309 502nd Ln  
 Township: 49 Lake Number: 1014700  
 Range: 27 Lake Name: ESQUAGAMAH LAKE *RD. 75'*  
 Section: 12 Acres: 0.00 *5575.*  
 Green Acres: No School District: 1.00  
 Plat: ESQUAGAMAH BEACH  
 Brief Legal Description: LOT 5

## Tax Information

Class Code 1: Non-Comm Seasonal Residential Recreational  
 Class Code 2: Unclassified *OHW 1233.7*  
 Class Code 3: Unclassified *1004R 1236.9*  
 Homestead: Non Homestead *Lowest floor 1237.9.*  
 Assessment Year: 2023

Estimated Land Value: \$93,000.00  
 Estimated Building Value: \$34,400.00  
 Estimated Total Value: \$127,400.00  
 Prior Year Total Taxable Value: \$109,800.00  
 Current Year Net Tax (Specials Not Included): \$590.00  
 Total Special Assessments: \$0.00  
 \*\*Current Year Balance Not Including Penalty: \$295.00  
 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.



# Detailed Parcel Report

Parcel Number: 52-1-036700

## General Information East 16+

Township/City: 49-27 UNORG  
 Taxpayer Name: SAMMON, DANIEL & HEIDI  
 Taxpayer Address: 6707 WILDRYE CIR S  
 COTTAGE GROVE MN 55016  
 Property Address: 40257 502nd Ln  
 Township: 49 Lake Number: 1014700  
 Range: 27 Lake Name: ESQUAGAMAH LAKE  
 Section: 12 Acres: 0.00  
 Green Acres: No School District: 1.00  
 Plat: ESQUAGAMAH BEACH  
 Brief Legal Description: W 75 FT LOT 6

## Tax Information

Class Code 1: Non-Comm Seasonal Residential Recreational  
 Class Code 2: Unclassified  
 Class Code 3: Unclassified  
 Homestead: Non Homestead  
 Assessment Year: 2023

Estimated Land Value:	\$60,700.00
Estimated Building Value:	\$6,200.00
Estimated Total Value:	\$66,900.00
Prior Year Total Taxable Value:	\$59,200.00
Current Year Net Tax (Specials Not Included):	\$304.00
Total Special Assessments:	\$0.00
**Current Year Balance Not Including Penalty:	\$152.00
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.**





# Detailed Parcel Report

Parcel Number: 52-1-036300

## General Information *West lot.*

Township/City: 49-27 UNORG  
 Taxpayer Name: SAMMON, DANIEL & HEIDI  
 Taxpayer Address: 6707 WILDRYE CIR S  
 COTTAGE GROVE MN 55016  
 Property Address:  
 Township: 49                                      Lake Number: 1014700  
 Range: 27                                         Lake Name: ESQUAGAMAH LAKE  
 Section: 12                                      Acres: 0.00  
 Green Acres: No                                School District: 1.00  
 Plat: ESQUAGAMAH BEACH  
 Brief Legal Description: E 50 FT LOT 4

## Tax Information

Class Code 1: Non-Comm Seasonal Residential Recreational  
 Class Code 2: Unclassified  
 Class Code 3: Unclassified  
 Homestead: Non Homestead  
 Assessment Year: 2023

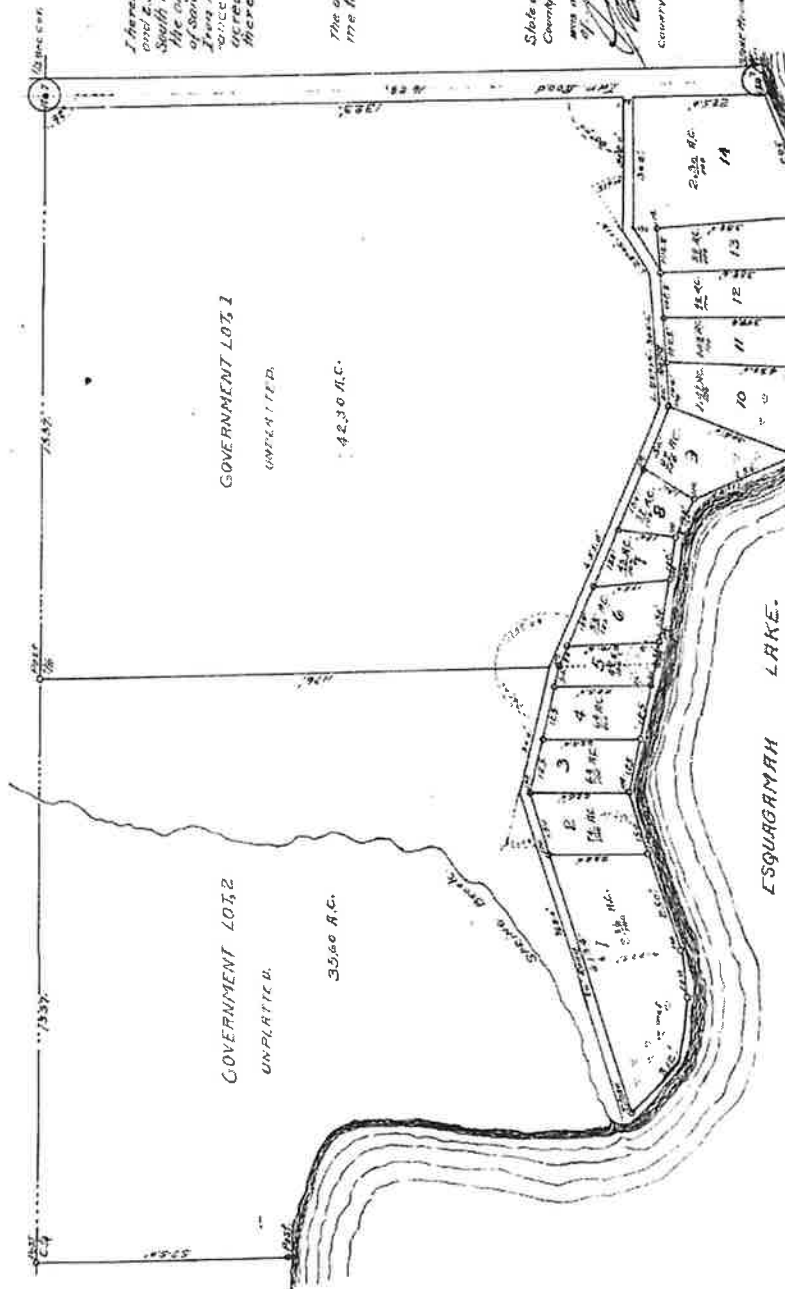
Estimated Land Value:	\$40,500.00
Estimated Building Value:	\$700.00
Estimated Total Value:	\$41,200.00
 Prior Year Total Taxable Value:	 \$36,600.00
Current Year Net Tax (Specials Not Included):	\$188.00
Total Special Assessments:	\$0.00
**Current Year Balance Not Including Penalty:	\$94.00
Delinquent 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.**

# ESQUAGAMAH-BEACH

AITKIN COUNTY, MINN.



I hereby certify that I have surveyed Government Lot 1, and Lot 2, Section 12, Township 45 N. Range 27 W. and plotted the same according to the original plat as shown in the original plat which is a correct representation of said Government Lots as they were surveyed and approved by the State Surveyor of Minnesota on the 14th day of June, 1927. The above plat and road are correctly shown hereon.

*H. B. Aitkin*  
COUNTY SURVEYOR.

The above certificate of the survey of Government Lot 1 and Lot 2, Section 12, Township 45 N. Range 27 W. is hereby approved this 14th day of July, 1927.

*H. B. Aitkin*  
AUDITOR OF AITKIN COUNTY, MINN.

State of Minnesota }  
County of Aitkin }  
I, the undersigned, Notary Public, do hereby certify that the within plat was duly approved this 14th day of July, 1927.

*H. B. Aitkin*  
COUNTY CLERK

W. B. Aitkin  
Notary Public  
July 14, 1927  
80715

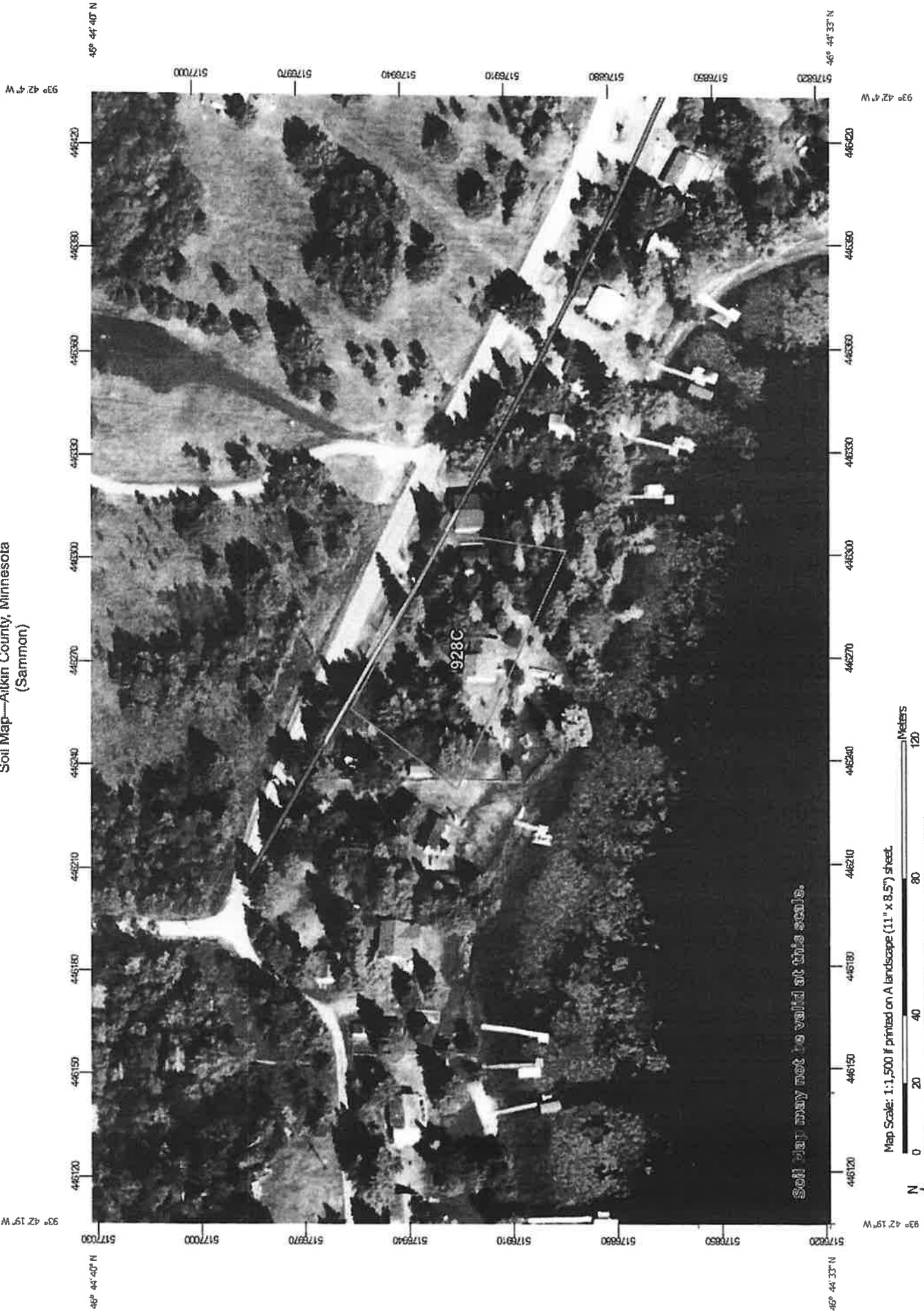
KNOW all men by these presents that D.W. Crobitree and Susan Crobitree his wife of said County of Aitkin, State of Minnesota, do hereby certify that they have caused the same to be surveyed and plotted as shown on the annexed plat and to be hereafter known as Esquagamah Beach and do hereby dedicate the road shown thereon to the public use forever and do testify whereof we have hereunto set our hands and Seal this 18th day of June, A.D. 1927.

*D.W. Crobitree*  
*Susan Crobitree*  
Witnesses.

State of Minnesota }  
County of Aitkin }  
On this 18th day of June, A.D. 1927, before me a Just. of Peace within and for said county, one State personally appeared D.W. Crobitree and Susan Crobitree his wife to me personally known who being each by me duly sworn, each did say that they executed the foregoing instrument as their own free act and deed.

*J. L. Aitkin*  
Clerk of Esquagamah Township.

Soil Map—Aitkin County, Minnesota  
(Sarmon)



Soil map may not be valid at this scale.

Map Scale: 1:1,500 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 15N WGS84



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

10/25/2023  
Page 1 of 3

## Aitkin County, Minnesota

### 928C—Cushing-Mahtomedi complex, 2 to 10 percent slopes

#### Map Unit Setting

*National map unit symbol:* gjk4  
*Elevation:* 980 to 1,640 feet  
*Mean annual precipitation:* 25 to 30 inches  
*Mean annual air temperature:* 39 to 45 degrees F  
*Frost-free period:* 120 to 140 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Cushing and similar soils:* 50 percent  
*Mahtomedi and similar soils:* 35 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Cushing

##### Setting

*Landform:* Moraines  
*Landform position (two-dimensional):* Backslope  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Loamy till

##### Typical profile

*E - 0 to 16 inches:* very fine sandy loam  
*B/E - 16 to 19 inches:* loam  
*Bt - 19 to 44 inches:* loam  
*C - 44 to 60 inches:* loam

##### Properties and qualities

*Slope:* 2 to 10 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high (0.20 to 0.60 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 10 percent  
*Available water supply, 0 to 60 inches:* High (about 9.0 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* B  
*Ecological site:* F090AY015WI - Loamy Upland with Carbonates  
*Forage suitability group:* Sloping Upland, Acid (G090AN006MN)

*Other vegetative classification:* Sloping Upland, Acid  
(G090AN006MN)  
*Hydric soil rating:* No

### **Description of Mahtomedi**

#### **Setting**

*Landform:* Moraines  
*Landform position (two-dimensional):* Backslope  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Sandy and gravelly outwash

#### **Typical profile**

*A - 0 to 4 inches:* loamy sand  
*E - 4 to 15 inches:* coarse sand  
*Bw - 15 to 26 inches:* gravelly coarse sand  
*C - 26 to 60 inches:* gravelly sand

#### **Properties and qualities**

*Slope:* 2 to 10 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Excessively drained  
*Capacity of the most limiting layer to transmit water (Ksat):* High to very high (6.00 to 20.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 15 percent  
*Available water supply, 0 to 60 inches:* Low (about 4.2 inches)

#### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 6s  
*Hydrologic Soil Group:* A  
*Ecological site:* F090AY019WI - Dry Sandy Uplands  
*Forage suitability group:* Sandy (G090AN022MN)  
*Other vegetative classification:* Sandy (G090AN022MN)  
*Hydric soil rating:* No

### **Minor Components**

#### **Cathro**

*Percent of map unit:* 4 percent  
*Landform:* Bogs  
*Hydric soil rating:* Yes

#### **Meehan**

*Percent of map unit:* 4 percent  
*Hydric soil rating:* No

#### **Sandwick**

*Percent of map unit:* 4 percent  
*Landform:* Flats  
*Hydric soil rating:* Yes

**Alstad**

*Percent of map unit: 3 percent*

*Hydric soil rating: No*

**Data Source Information**

Soil Survey Area: Aitkin County, Minnesota

Survey Area Data: Version 24, Sep 9, 2023