Preliminary & Field Evaluation Form 23-149

Type III Mound

www.SepticResource.com vers 12.4

Owner Information

Date	9/9/2023	Sec / Twp / Rng	S-25, T-49, R-23
Parcel ID	29-1-500200	LUG (county, city, township)	Aitkin Co.
Property Owner:	Jesse Dill	Owners address (if different)	
Property Address:	16225 Goshawk St. McGregor MN		10140 Ponds Circle
City / State / Zip:			Elko New Market MN 55020

Flow Information and Waste Type / Strength

Estimated Design flow 600

Comments: Type III mound (8" to Mottles)
Adding onto an Existing Mound
Adding 10ft to South End Adding 15 ft to North end
Installer will raise the existing washed Sand to Elv.= 100'
Bottom of New Rockbed will be at Elv.= 100'

Aitkin Co Operating Permit Required
Event Counter or Water Meter

Anticipated Waste strength	☐ Hi Strength	☑ Domestic
Any Non-Domestic Waste	☐ Yes (class V)	☑ No
Sewage ejector/grinder pump	☐ Yes	☑ No
Water softener	☐ Yes	☑ No
Garbage Disposal	☐ Yes	☑ No
Daycare / In home business	☐ Yes	☑ No

Site Information

Existing & proposed lot improvements located (see site map)	☐ Yes	☑ No	Well casing depth	Existing deep well
Easements on lot located (see site map)	☐ Yes	☑ No	Drainfield w/in 100' of residential well	☐ Yes ☑ No
Property lines determined (see site map) Found Survey Pins	☑ Yes	☐ No	Site w/in 200' of transient noncommunity water supply (TNCWS)	☐ Yes ☑ No
Req'd setbacks determined (see site map)	☑ Yes	☐ No	Site w/in an inner wellhead mgmt zone (CWS/NTNCWS)	☐ Yes ☑ No
Utilities located & identified (gopher state one call)	☐ Yes	☑ No	Buried water supply pipe w/in 50' of system	☐ Yes ☑ No
Access for system maintenance (shown on site map)	☑ Yes	☐ No	Site located in Shoreland (w/in 1000' of lake, 300' of river)	☑ Yes ☐ No
Soil treatment area protected	☑ Yes	☐ No	Site map prepared with previous items included	☑ Yes ☐ No

Construction related issues: Reuse existing Tank 1830 2/Compartment tank.
Will need a new Pump, will need 2 new manhole covers

Soil Information

Evidence of site:

Cut	☐ Yes	☑ No
Filled	☐ Yes	☑ No
Compacted	☐ Yes	☑ No
Disturbed	☐ Yes	☑ 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) 0.60

Percolation rate (if applicable) _____

Depth/elev to SHWT 8"

Flooding or run-on potential (comments) ☐ Yes ☑ No

Depth to system bottom maximum (or elev minimum) (+ 36")

Flood elevation (if applicable) _____

Depth/elev to standing water (if applicable) _____

Elevation of ordinary high water level (if applicable) 1253.6

Depth/elev to bedrock (if applicable) _____

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

Soil Survey information determined (see attachment) ☑ Yes ☐ No

Mound Grade Approx. Elv.= 1256' 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 #)

Soil Observation Log

www.SepticResource.com vers 12.4

Owner Information

Property Owner / project: Jesse Dill Date 9/9/2023

Property Address / PID: 16225 Goshawk St. McGregor MN

Soil Survey Information

☐ refer to attached soil survey

Parent matl's: ☐ Till ☑ Outwash ☐ Lacustrine ☐ Alluvium ☐ Organic ☐ Bedrock

landscape position: ☐ Summit ☐ Shoulder ☐ Side slope ☐ Toe slope

soil survey map units: 564 slope 0 % direction-

Soil Log #1

☐ Boring ☑ Pit Elevation 97' Depth to SHWT 8"

Depth (in)	Texture	fragment %	matrix color	redox color	consistence	grade	shape
0 - 8	Topsoil Sandy Loam	<35	10YR3/2		Loose	Loose	Granular
8 - 13	Peat /Loam	<35	10YR3/2		Loose	Loose	Granular
13 - 16	Med Sand	<35	10YR4/3	7.5YR5/6	Loose	Loose	Granular

Comments:

2011 purple code

Mound Design - Aitkin county

www.SepticResource.com (vers 15.2)

Property Owner: Jesse Dill **Date:** 9/9/2023

Site Address: 16225 Goshawk St. McGregor MN **PID:** 29-1-500200

Comments: Type III Mottles at 8", Extending Existing Mound to 4 Bedrooms.

instructions: [ ] = enter data [ ] = adjust if desired [ ] = computer calculated - DO NOT CHANGE!

1) [4] bedroom Type [III] [Residential] System

2) [600] GPD design flow

3) [No] Garbage disposal or pumped to septic Reuse Existing 1860 Jacobson 2/Compartment tank (1230/630)

4) [1000] Gal Septic tank (code minimum) [1230] Gal Septic tank (design size / LUG req'd)
Tank options: [none]

5) [1.2] GPD/ft^2 mound sand loading rate contour loading rate of [12] req's a min [50] ft. long rockbed

6) [10.0] ft rockbed width [50.0] ft rockbed length

7) [3.0] ft lateral spacing [3.0] ft perforation spacing (maximum of 3 for both)
[end feed] manifold connection

8) [3] laterals [48.0] feet long [17.0] perfs / lateral [51] perfs total
(1/2 a perf means the first perf starts at the middle feed manifold)

9) [1/4"] inch perfs at [1] feet residual head gives [0.74] gpm flow rate per perforation

for this perf size & spacing, & pipe size on line 12, max perfs/lateral = [25], line #8 must be less --> OK

10) [7.0] doses per day (4 minimum)

11) [86] gallons per dose (treatment volume)

1.50 5x

12) [2.00] inch diameter laterals must be used to meet "4x pipe volume" requirement

2.00 3x

13) [20] feet of [2.0] inch supply line leads to [3] gallons of drainback volume
(Tip: "top feed" manifold to control the drainback)

14) [89] gallons TOTAL pump out volume (treatment + drainback)

15) [12] feet vertical lift from pump to mound laterals, leads to a:

16) [38] GPM @ [18] feet of head, Pump requirement (note: >50gpm may require an extra 3-6' of head)

17) [600] gal Dose tank (code minimum) [630] gal Dose tank (design size / LUG req'd) at [14.50] gpi
leads to a

18) [6.1] inch swing on Demand float, or timed dosing of [2.3] min ON (confirm pump rate with drawdown
(this delivers Average flow, =70% of Peak design flow) [5.2] hrs OFF test and adjust as necessary)

19) [12] inches from bottom of tank to "Pump OFF" float

20) [18] inches from bottom of tank to "Pump ON" float, or [12] inches to "Timer ON" float if time dosed

21) [21] inches from bottom of tank to "Hi Level" float, or [31] inches to "Hi Level" float if time dosed

22) [326] gallons reserve capacity (after High Level Alarm is activated)

23) 0.60 gpd/ft² Absorption area Soil Loading Rate, (this must match the soil boring log) which gives a mound ratio of 2 (minimum) desired mound ratio 2.0

24) 0 percent site slope (0-20% range) 0 (% downslope site slope, if different than upslope)

25) 0 inches, or 0.0 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) 36 inch, or 3.0 ft. Sand Lift Mound **CRITICAL FOR FUTURE CERTIFICATIONS!!!**

27) 20.0 ft. base absorption width (with sand beyond rockbed as follows:)

30.0 greater of: absorption width OR sand slope

28) 5.0 ft. upslope and sideslope sand upslope 10.0

5.0 ft. Downslope sand down slope 10.0

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

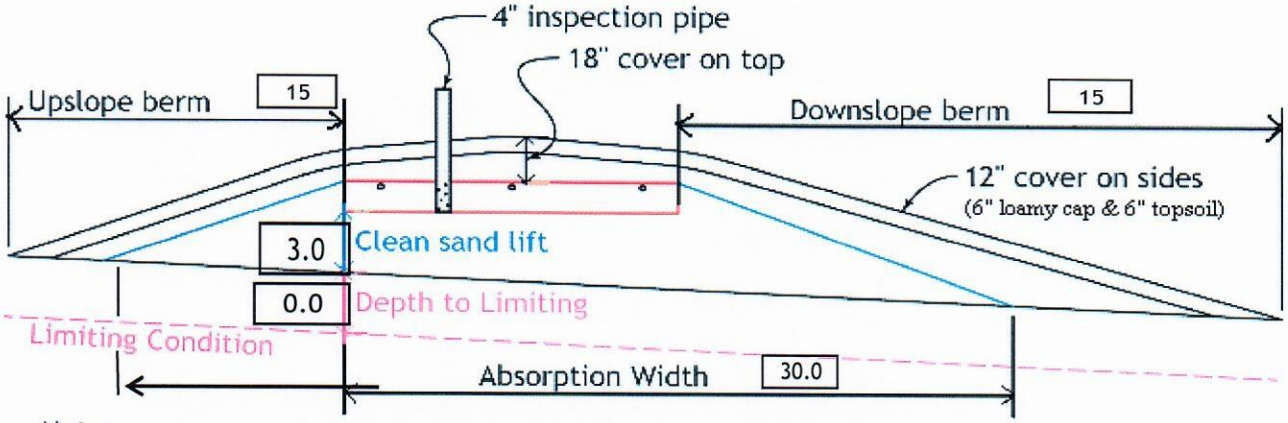
29) 3:1 upslope ratio 15 ft. upslope berm

30) 3:1 sideslope 15 ft. sideslope berms

31) 3:1 downslope 15 ft. downslope berm

32) Overall Dimensions: 10.0 ft. wide by 50.0 ft. long Rock bed

40 ft. wide by 80 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 50.0 ft. by 9 inches under pipe, plus 20% gives 23 yd³ or *1.4= 32 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)

65.8 up + 65.8 downslope + 17.8 ends + 55.6 under rock = 246 yd³ or *1.4= 344 ton
plus 20%

35) Loamy Cap:

36 ft. by 76 ft. 6" deep, plus 20% gives 61 yd³ or *1.4= 85 ton

36) Topsoil:

40 ft. by 80 ft. 6" deep, plus 20% gives 72 yd³ or *1.4= 101 ton

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

Designer Signature	Company	License#	Date
Jeff Brummer	Brummer Septic LLC.	L-1347	9/9/2023

Installer Summary

1230 gallon Septic tank (minimum)

Tank options: none

Reuse Existing 1860 Jacobson 2/Compartment tank (1230/630)

630 gallon Dose tank (minimum) at 14.50 gpi

38 GPM @ 18 ft. of head, Pump required

6.1 inch swing on Demand float which translates to roughly 4.1 inches of float tether length

if time dosing is required --> 2.3 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

20 ft. of 2.0 inch supply line with end feed manifold connection

(Tip: "top feed" manifold to control drainback)

36 inch, or 3.0 ft. Sand Lift Mound

10.0 ft. wide by 50.0 ft. long Rock bed

3 laterals 2.00 inch diameter 48.0 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

30.0 ft.Total sand ABSORPTION width (minimum)

10.0 ft. upslope and sideslope (sand beyond rockbed, minimum)

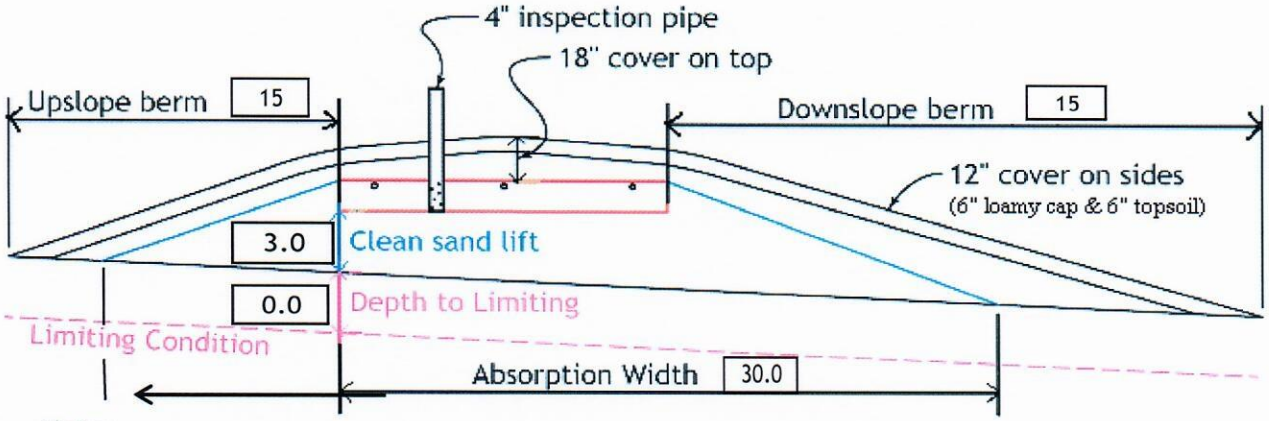
10.0 ft. Downslope (sand beyond rockbed, minimum)

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

3:1 upslope ratio 15 ft. upslope berm

3:1 sideslope 15 ft. sideslope berms

3:1 downslope 15 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:	23.0	yd^3 or *1.4=	32 ton	9 inches under pipe
Mound Sand:	246	yd^3 or *1.4=	344 ton	
Loamy Cap:	61	yd^3 or *1.4=	85 ton	6" deep
Topsoil:	72	yd^3 or *1.4=	101 ton	6" deep

INSPECTOR CHECKLIST - mound

16225 Goshawk St. McGregor MN

☐ 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_____ 1230 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_____ 630 gallons

☐ dose pump _____ 38 gpm 18 head VERIFY PUMP CURVE 2.3 min ON 5.2 hr OFF

☐ float setting drop 6.1 inches at 14.5 gpi "DESIGNED" 4.1 inches approx float tether length
89.0 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 50.0

☐ Sand lift depth 36 inches. (Jar test : 2" sand leaves < 1/8" silt after 30 min)

☐ Absorption Sand beyond rock 10.0 upslope 10.0 downslope

☐ Bermed topsoil beyond rockbed 15 upslope 15 sideslope 15 downslope

☐ cover depth of 12-18"+ VERIFY

☐ 3 laterals (1-2' from edge of rock)

☐ 2.00 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

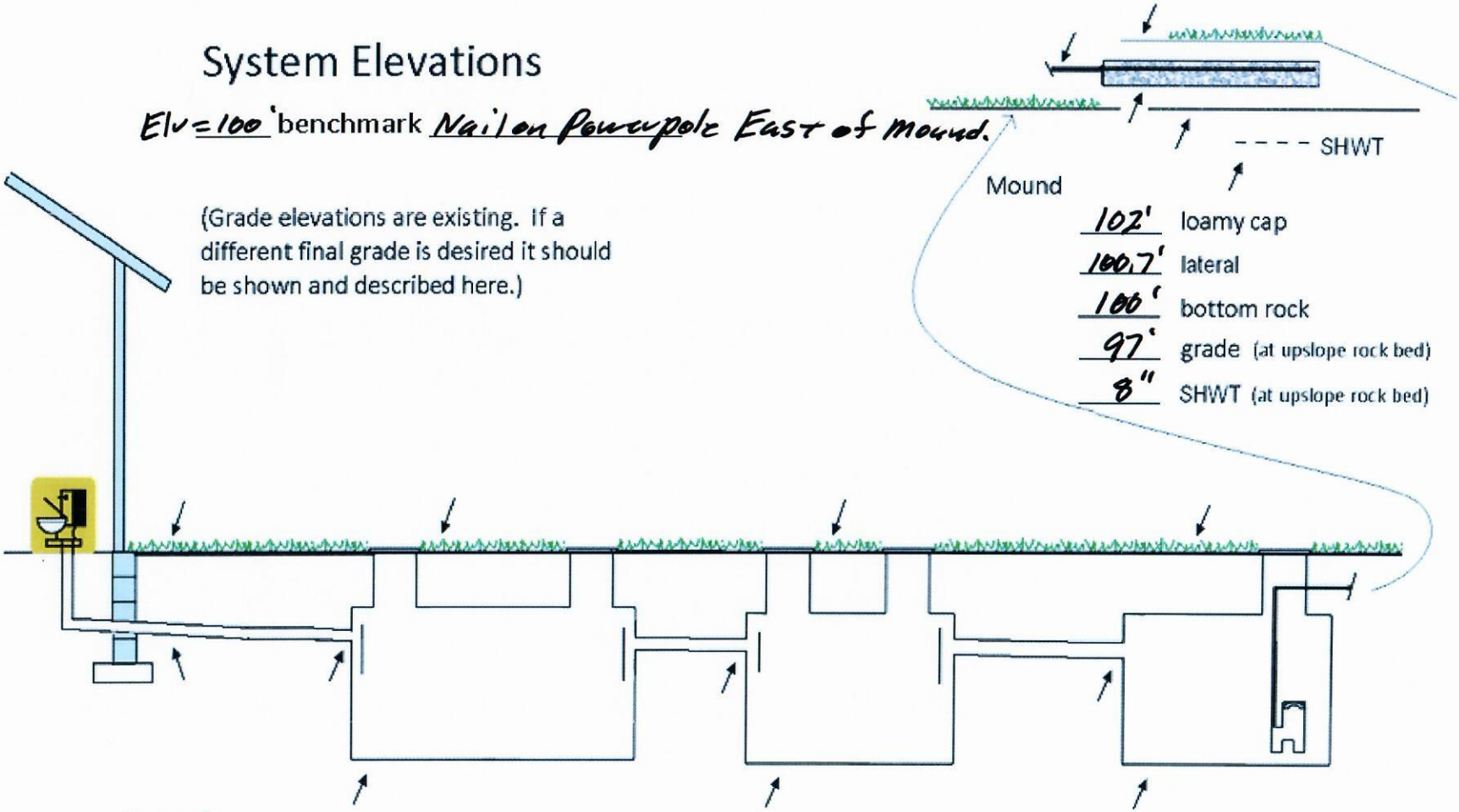
☐ monitoring plan and type _____

☐ well abandonment form - if necessary

System Elevations

Elv = 100' benchmark Nail on Powerpole East of Mound.

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



Sewer pipe exiting house

_____ Grade

_____ Pipe

Septic Tank

97.8' Grade Existing

96' inlet

92' Tank bottom

Septic Tank (if applicable)

_____ Grade

_____ inlet

_____ Tank bottom

Pump Tank

97.8' Grade

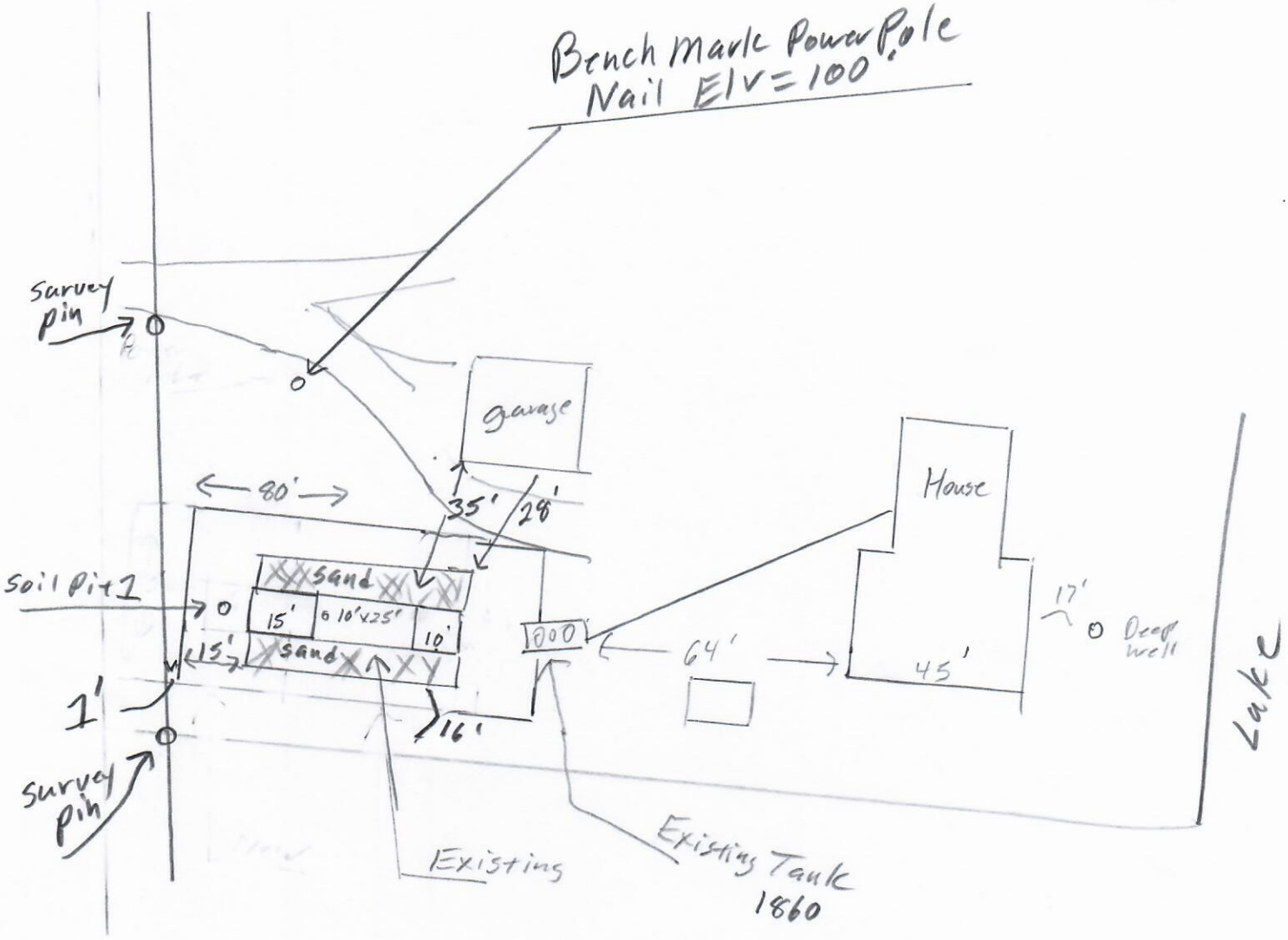
95.7' inlet

92' Tank bottom

{ Design Drawing }

Property Owner: Jesse Dill Date: 1/0/00 Designer's Initials : JB
Parcel ID. Number : 29-1-500200 Address : 16225 Goshawk St. McGregor MN
one Inch = 40ft.

North



Surface/ SHWT	*Nail on Power Pole = Bench Mark 100'*	Existing Grade
Soil Bore 1	Bench Mark 100'	Upslope Edge of Rockbed Elv.= 97'
Soil Bore 2	Ground Elv. BM	Bottom of Rockbed Elv.= 100'
Soil Bore 3	Ground Elv. Tank	Top of Washed Sand Elv.= 100'
Ground at	Existing house	Elv. Of Sewer pipe at Cabin Elv.=

Please show all that apply (Existing)

Wells within 100ft. Of Drain field.
Water lines within 10 ft. of Drain field.
Drain field Areas:

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

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

{ Design Drawing }

Property Owner: Jesse Dill Date: 9/9/23 Designer's Initials : JB

Parcel ID. Number : 29-1-500200 Address : 16225 Goshawk St. McGregor MN

one Inch = 40ft.

Soil Pit #1 Elv.= 97'

Power Pole Grade Elv.= 97.7'

Bench Mark Nail on Power pole Elv. = 100'

Survey Pin NE lot Corner Elv.= 97.9'

Survey Pin NW lot Corner Elv.= 97.1'

Existing Septic/Pump tank Grade Elv.= 97.8'

Septic Tank Inlet Elv.= 96'

Pump Elv.= 93'

Concrete pad by front Door Elv.= 99.2'

House Grade at NW corner Elv.= 99.2'

Deep Well Grade Elv.= 99.4'

Top of Deep Well Cap Elv.= 101.1'

Shore of Round Lake Elv.= 96.2'

Round Lake Water Elv.= 93.8'

	Surface/ SHWT	***Nail on Power Pole = Bench Mark 100'***			Existing Grade
Soil Bore 1		Bench Mark	100'		Upslope Edge of Rockbed Elv.= 97'
Soil Bore 2		Ground Elv. BM			Bottom of Rockbed Elv.= 100'
Soil Bore 3		Ground Elv. Tank			Top of Washed Sand Elv.= 100'
	Ground at	Existing house			Elv. Of Sewer pipe at Cabin Elv.=

Please show all that apply (Existing)

Wells within 100ft. Of Drain field.

Water lines within 10 ft. of Drain field.

Drain field Areas:

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

Disturbed/Compacted Areas

Component Location

OHW ordinary high water

Access Route for Tank Maintenance

Property Lines

Structures

Mound Design Notes - Aitkin county

Property Owner: Jesse Dill **Date:** 9/9/23

Site Address: 16225 Goshawk St. McGregor MN **PID:** 29-1-500200

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

1 This is a type III mound , (Soil Separation 8") sized for a 4 bedroom system.
2 Existing well location is on the Lake side of House. of house.
3 Existing 1860 Jacobson 2/Compartment Septic/ Pump tank to be reused. (1230 Septic / 630 Pump)
Existing Mound will be added on to (adding 2 bedrooms)
Existing Mound will have to have its washed sand raised to Elv. = 100'
Installer will be adding 10 ft of rockbed to the South End and 15 ft of rockbed to the North end.
NW mound berm corner will be 1 ft from property line / RW of county road.
4 The house is gravity flow from NE side of house, install clean-out near house.
5 Lot is Flat, Reuse existing 1860 tank.
South Mound Berm will be approx. 3 ft over tank. Installer will Raise manholes to above grade.
Installer will install new manhole covers as the existing manhole covers are cracked.
6 The berm slopes are at 3:1. The SE Berm corner will be 23 ft from garage, Absorption area will be 28 ft.
Mound Absorption area will be 16 ft from RW, 28 ft from garage.
Existing Mound Rockbed is 26 ft from Property line, that places Absorption area 16 ft from West Property line.
7 Elevation contour of rock bed upslope edge is 97' .
The area size of the rock bed is 10' x 40' . Absorption area is 40' x 30 '.
Sand absorption area is 10 ft. up slope + 10 ft. rockbed + 10 downslope = approx. 30 ft. wide sand base.
Berms are 15ft. Upslope, 15ft. Down slope, 10ft. Rock bed = approx. 40ft. Wide.
Overall mound size is approx. 40' wide x 80' long and approx. 5' high. End berms are 15ft. Wide.
8 The bench mark is the nail on the Power Pole NE 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 Existing Jacobson 1860 tank is gravity flow from dwelling. Install the pump for 7 demand doses per day. approx. 89 gallons per dose, 6.1 inches of tank level. Install alarm at 3 inches from pump on level.
Install New Pump with pump curve at 38GPM at 18 FT. of Head.
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 2" 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.
Owner can install a water meter on the inside of house water supply, instead of an event counter.
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.

MINNESOTA POLLUTION CONTROL AGENCY

520 Lafayette Road North
St. Paul, MN 55155-4194

Sewage tank integrity assessment form

Subsurface Sewage Treatment Systems (SSTS) Program

Doc Type: Compliance and Enforcement

Purpose: This form *may* be used to certify the compliance status of the sewage tank components of the SSTS. **This form is not a complete SSTS inspection report, only a tank integrity assessment, and may only certify sewage tank compliance status when entirely completed and signed by a qualified professional.** SSTS compliance inspection report forms can be found at: https://www.pca.state.mn.us/water/inspections.

Instructions: This form may be completed, and signed, by a Designated Certified Individual (DCI) of a licensed SSTS inspection, maintenance, installation, or service provider business who personally conducts the necessary procedures to assess the compliance status of each sewage tank in the system. Only a licensed maintenance business is authorized to pump the tank for assessment. A copy of this information should be submitted to the system owner and be maintained by the licensed SSTS business for a period of five (5) years from the assessment date.

When this form is signed by a qualified certified professional, it becomes *necessary supporting documentation* to an Existing System Compliance Inspection Report: Compliance inspection form - Existing system (wq-wwists4-31b). This form can be found on the MPCA website at https://www.pca.state.mn.us/water/inspections.

The information and certified statement on this form is **required** when existing septic tank compliance status is determined by an individual other than the SSTS Inspector that submits an inspection report. This form represents a third party assessment of SSTS component compliance and is allowable under Minn. R. 7082.0700, subp. 4(B)(1). This form is valid for a period of three years beyond the signature date on this form unless a new evaluation is requested by the owner or owner's agent or is required according to local regulations. Additional Administrative Rule references for this activity can be found at Minn. R. 7082.0700, subp. 4(B),(C), and (D) and; Minn. R. 7083.0730(C).

Owner information

Owner/Representative: Dill, Jesse

Property address: 16225 Goshawk St

Local Regulatory Authority: Aitkin County Parcel ID: 29-1-500200

System status

System status on date (mm/dd/yyyy): 9/12/2023

☒ **Certificate of sewage tank compliance** ☐ **Notice of sewage tank non-compliance**

Compliance criteria:

The SSTS has a seepage pit, cesspool, drywell, leaching pit, or other pit - "**Failure to Protect Groundwater.**"	☐ Yes* ☒ No
The SSTS has a sewage tank that leaks below the designed operating depth - "**Failure to Protect Groundwater.**"	☐ Yes* ☒ No
The SSTS presents a threat to public safety by reason of structurally unsound (damaged, cracked, or weak) maintenance hole cover(s) or lids or any other unsafe condition - "**Imminent Threat to Public Health or Safety.**"	☐ Yes* ☒ No

Any "yes" answer above indicates sewage tank non-compliance.

Company information

Company name: Timber Lakes Septic Service Inc

Business license number: L455

Designated Certified Individual (DCI) information

Print name: Dan Swanson

Certification number: C6023

I personally conducted the work described above as a Designated Certified Individual of a Minnesota-licensed SSTS inspection, maintenance, installation, or service provider Business. I personally conducted the necessary procedures to assess the compliance status of each sewage tank in this SSTS.

***By typing/signing my name below**, I certify the above statements to be true and correct, to the best of my knowledge, and that this information can be used for the purpose of processing this form.*

Designated Certified Individual's signature: Dan Swanson Date (mm/dd/yyyy): 9/12/2023

(This document has been electronically signed.)

Aitkin County

Detailed Parcel Report

Parcel Number: 29-1-500200

General Information

Township/City:	SHAMROCK TWP		
Taxpayer Name:	DILL, JESSE & BICKNELL, ALI &		
Taxpayer Address:	STOVER, LISA & MASLAK, MARK 10140 PONDS CIR ELKO NEW MARKET MN 55020		
Property Address:	16225 Goshawk St		
Township:	49	**Lake Number:**	1002300
Range:	23	**Lake Name:**	ROUND LAKE (SHAM/HAUG TWPS)
Section:	25	**Acres:**	0.00
Green Acres:	No	**School District:**	4.00
Plat:	OBERNOLTES ADDITION		
Brief Legal Description:	LOT 16		

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:	$191,000.00
Estimated Building Value:	$339,900.00
Estimated Total Value:	$530,900.00
Prior Year Total Taxable Value:	$489,200.00
Current Year Net Tax (Specials Not Included):	$3,266.00
Total Special Assessments:	$0.00
****Current Year Balance Not Including Penalty:**	$0.00
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.**

Sale History

OBERNOLTE'S ADDITION

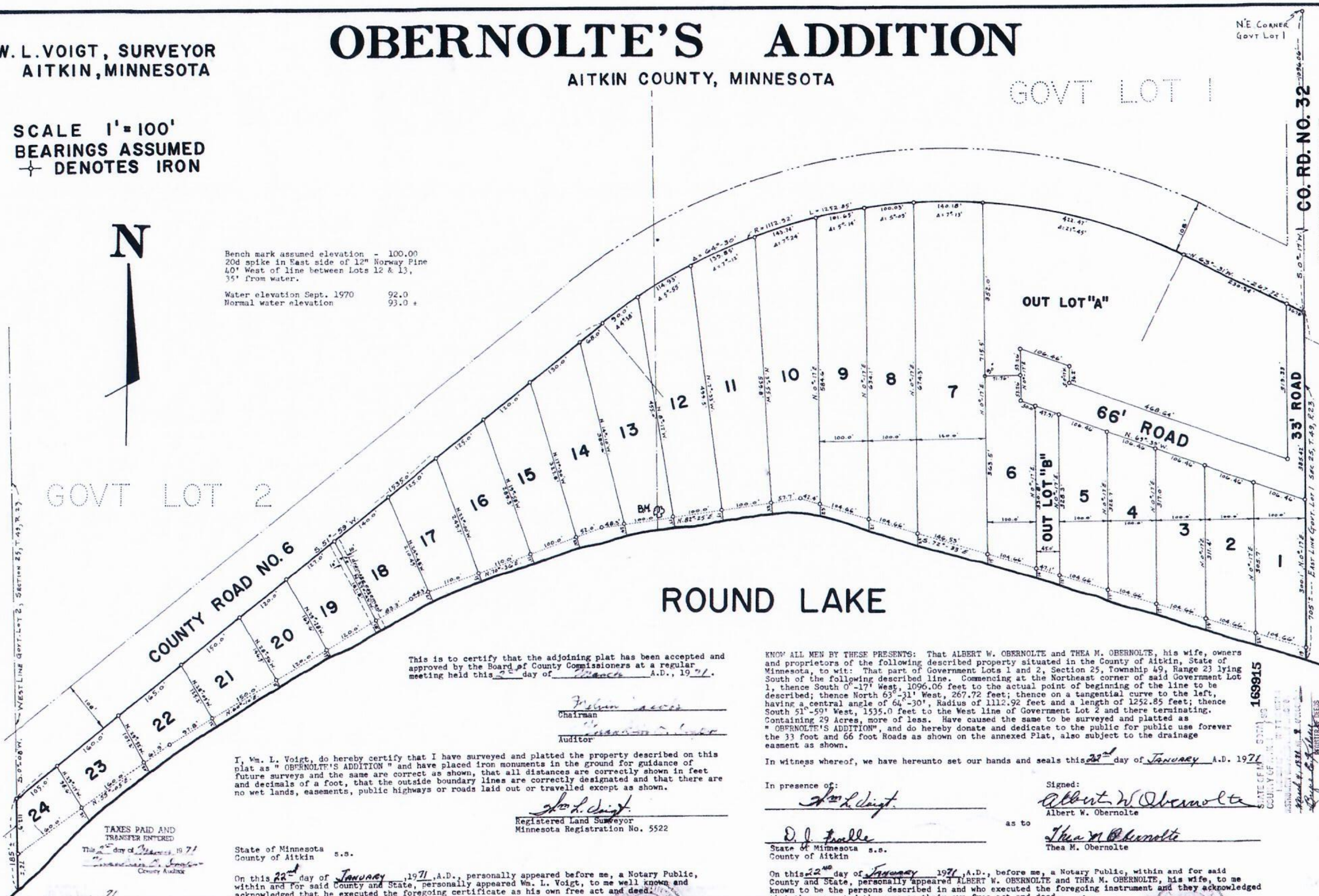
AITKIN COUNTY, MINNESOTA

W. L. VOIGT, SURVEYOR
AITKIN, MINNESOTA

SCALE 1' = 100'
BEARINGS ASSUMED
-+- DENOTES IRON

Bench mark assumed elevation - 100.00
20d spike in East side of 12" Norway Pine
40' West of line between Lots 12 & 13,
35' from water.

Water elevation Sept. 1970 92.0
Normal water elevation 93.0 +



This is to certify that the adjoining plat has been accepted and approved by the Board of County Commissioners at a regular meeting held this 2nd day of March A.D., 1971.

Chairman

Auditor

I, Wm. L. Voigt, do hereby certify that I have surveyed and platted the property described on this plat as " OBERNOLTE'S ADDITION " and have placed iron monuments in the ground for guidance of future surveys and the same are correct as shown, that all distances are correctly shown in feet and decimals of a foot, that the outside boundary lines are correctly designated and that there are no wet lands, easements, public highways or roads laid out or travelled except as shown.

Wm. L. Voigt
Registered Land Surveyor
Minnesota Registration No. 5522

State of Minnesota
County of Aitkin s.s.

On this 22nd day of January, 1971, A.D., personally appeared before me, a Notary Public, within and for said County and State, personally appeared Wm. L. Voigt, to me well known and acknowledged that he executed the foregoing certificate as his own free act and deed.

Shirley A. Meyer
Notary Public
My Commission Expires

TAXES PAID AND TRANSFER ENTERED
This 2nd day of March 1971
County Auditor

KNOW ALL MEN BY THESE PRESENTS: That ALBERT W. OBERNOLTE and THEA M. OBERNOLTE, his wife, owners and proprietors of the following described property situated in the County of Aitkin, State of Minnesota, to wit: That part of Government Lots 1 and 2, Section 25, Township 49, Range 23 lying South of the following described line. Commencing at the Northeast corner of said Government Lot 1, thence South 0°-17' West, 1096.06 feet to the actual point of beginning of the line to be described; thence North 63°-31' West, 267.72 feet; thence on a tangential curve to the left, having a central angle of 64°-30', Radius of 1112.92 feet and a length of 1252.85 feet; thence South 51°-59' West, 1535.0 feet to the West line of Government Lot 2 and there terminating. Containing 29 Acres, more of less. Have caused the same to be surveyed and platted as " OBERNOLTE'S ADDITION", and do hereby donate and dedicate to the public for public use forever the 33 foot and 66 foot Roads as shown on the annexed Plat, also subject to the drainage easment as shown.

In witness whereof, we have hereunto set our hands and seals this 22nd day of January A.D. 1971

In presence of:

Wm. L. Voigt

D. J. Frolle

Signed:

Albert W. Obernolte
Albert W. Obernolte

as to

Thea M. Obernolte
Thea M. Obernolte

State of Minnesota
County of Aitkin s.s.

On this 22nd day of January 1971, A.D., before me, a Notary Public, within and for said County and State, personally appeared ALBERT W. OBERNOLTE and THEA M. OBERNOLTE, his wife, to me known to be the persons described in and who executed the foregoing instrument and they acknowledged that they executed the same as their own free act and deed.

Shirley A. Meyer
Notary Public
My Commission Expires

169915

REGISTER OF DEEDS

Dill

1:1,128 | 0 0.005 0.01 mi | 1 inch = 94 feet | Web AppBuilder for ArcGIS

Aitkin County

Date: 7/25/2023

Soil Map—Aitkin County, Minnesota
(Dill)

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

N

Meters: 0 20 40 80 120

Feet: 0 50 100 200 300

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

Aitkin County, Minnesota

564—Friendship loamy sand

Map Unit Setting

National map unit symbol: gjhw
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

Friendship and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Friendship

Setting

Landform: Outwash plains
Landform position (two-dimensional): Backslope, summit
Down-slope shape: Linear
Across-slope shape: Concave
Parent material: Sandy outwash

Typical profile

E - 0 to 3 inches: loamy sand
Bw1 - 3 to 6 inches: loamy sand
Bw2,Bw3,BC - 6 to 39 inches: sand
C1,C2 - 39 to 60 inches: sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well 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: About 41 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Low (about 4.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4s
Hydrologic Soil Group: A
Ecological site: F057XY023MN - Dry Sandy Upland Coniferous Forest
Forage suitability group: Sloping Upland, Low AWC, Acid (G090AN008MN)

Other vegetative classification: Sloping Upland, Low AWC, Acid (G090AN008MN)
Hydric soil rating: No

Minor Components

Leafriver and similar soils
Percent of map unit: 5 percent
Landform: Depressions
Hydric soil rating: Yes

Menahga and similar soils
Percent of map unit: 5 percent
Hydric soil rating: No

Meehan and similar soils
Percent of map unit: 5 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Aitkin County, Minnesota
Survey Area Data: Version 23, Sep 6, 2022