



320334105-2022



Becker County Planning & Zoning
915 Lake Ave
Detroit Lakes, MN 56501
(218) 846-7314
www.co.becker.mn.us

Certificate of Compliance Inspection Report - Permit #: SS2022-1656

Owner & Property Information			
Owner Name:	JEFFRY ABBOTT	Site Address:	33071 STRAWBERRY DR
Mailing Address:	JEFFRY ABBOTT 26116 CO HWY 7 LAKE PARK MN 56554	Township - Sec/Twp/Rng:	SUGAR BUSH - 01/141/040
Parcel #:	320334105	Legal Description:	Block 001 of STRAWBERRY HEIGHTS LOT 5
Secondary Parcel #:		Designer:	Thorson Septic Design, LLC (Dan Thorson)
		Installer:	Nels Thorson Excavating, L47 (Nels Thorson and Daniel Thorson)

Inspector Verified Specifications			
Insp- Effluent Screen Installed:	No	Insp- Tank Nbr/Size:	1/1500/2
Insp- Alarm Required:	Yes	Insp- Drainfield Type:	No Drainfield mound
Insp- Lift Pump in System:	<i>Yes</i> No	Insp- Drainfield Size:	10' x 25' rock bed - 15' x 25' SAA
Insp- Number of Bedrooms:	2	Insp- Soil Verification:	#1-N/A #2-N/A #3-N/A ✓

Inspector Verified Setbacks			
Insp- Tank Dist to Road	50+	Insp- Drainfield Dist to Road	
Insp- Tank Dist to Nearest Prop Line	50+	Insp- Drainfield Dist to Nearest Prop Line	
Insp- Tank Dist to Nearest Structure	15	Insp- Drainfield Dist to Nearest Structure	
Insp- Tank Dist to Well	80+	Insp- Drainfield Dist to Well	
Insp- Tank Dist to OHW	200+	Insp- Drainfield Dist to OHW	
Insp- Tank Dist to Pond/Wetland		Insp- Drainfield Dist to Pond/Wetland	
Insp- Tank Dist to Pressure Line		Insp- Drainfield Dist to Pressure Line	

Certificate of Compliance	
(Yes) Certificate is hereby granted based upon the application, addendum from, plans, specifications and all other supporting data. With proper maintenance, this system can be expected to function satisfactory, however this is not a guarantee.	Zoning Office Signature:
Certification Date: 4/16/2022 <i>8/31/2023</i>	
	Denise Gubrud - ISTS Inspector

* Certificate of Compliance is not valid unless signed by a Registered Qualified Employee *

Field Review Form

Permit # SS2022-1656

Property and Owner

Owner: JEFFRY ABBOTT	Parcel Number: 320334105
Site Address: 33071 STRAWBERRY DR	Secondary Parcel:

Home Information

Does the structure contain any of the following elements?	Designer submitted	Inspector verified
	Garbage disposal: No Dishwasher: Invalid Field Grinder pump: Invalid Field Lift pump in bsmt: Invalid Field	Garbage disposal? Y (N) Dishwasher? Y (N) Grinder pump? Y (N) Lift pump in basement? Y (N)
Number of bedrooms: 2	Review - Number of bedrooms: 2	
Effluent screen	Effluent screen installed? Y (N) Mfr:	
Alarm: Yes Type: Indoor	Review - Alarm? (Y) N Type & Mfr: none PS rated indoor	
Lift pump in system: No	Review - Lift pump in system? (Y) Mfr: Liberty 253	

Component Information

Tank size: 1500/2	Review - Tank nbr: 1 size: 1500/2 Mfr: Thelen
Drainfield type:	Review - Drainfield type: mound
Drainfield size: Full size Reduced/warr. size -	Review - Drainfield status: none / installed / next spring Review - Drainfield size:
Absorption area size:	Review - Absorption area size: 10' x 25' rock bed - 15' x 25' SAA
Chamber type/num: Trench sqft/chamber -	Review - Chamber type: Num: Review - Trench sqft/chamber:
Drainfield rock depth:	Review - Rock depth: 6" under pipe + 24" sand left

Soil Verification

Vertical separation verified	Boring #1: Holding attached Boring #2: Holding Tank Boring #3:
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Setback Verification

Distance to...	Designer submitted		Inspector verified	
	Tank	Drainfield	Tank	Drainfield
Road	55'	N/A	50+	50
Nearest prop line	70'	N/A	50+	50+
Nearest structure	15'	N/A	15	45
Well	80'	N/A	80	100+
OHW	>200'	N/A	200+	200+
Pond/Wetland				
Pressure line	N/A	N/A		

Date System Installed: 1/16/2022 Installer: Nels Thorsen Inspector: Denise Gubrud

Dan Thorsen

8/31/2023

Denise Gubrud

#1650

Strawberry Dr

330th Ave



8/31/2023

Strawberry Lake >500'

8/31/2023

Liberty 283

Indoor SJE

NO filter
10' x 25' rock bed
15' x 22" SJA

24" sand lift
clean sand
& rock

setbacks +
soils ok

certified
Denise Gabriel

Driveway

>200'

45'

10' X 25' Mound
With 22" Sand lift

100'

45'

90'

Well

55'

40'

1500/2
Tank

15'

House 2 bedroom

70'

Jeff Abbott
33071 Strawberry Dr
Ogema
PID 320334105

PL

Mound Design

41151

Property Owner:

Date:

Site Address:

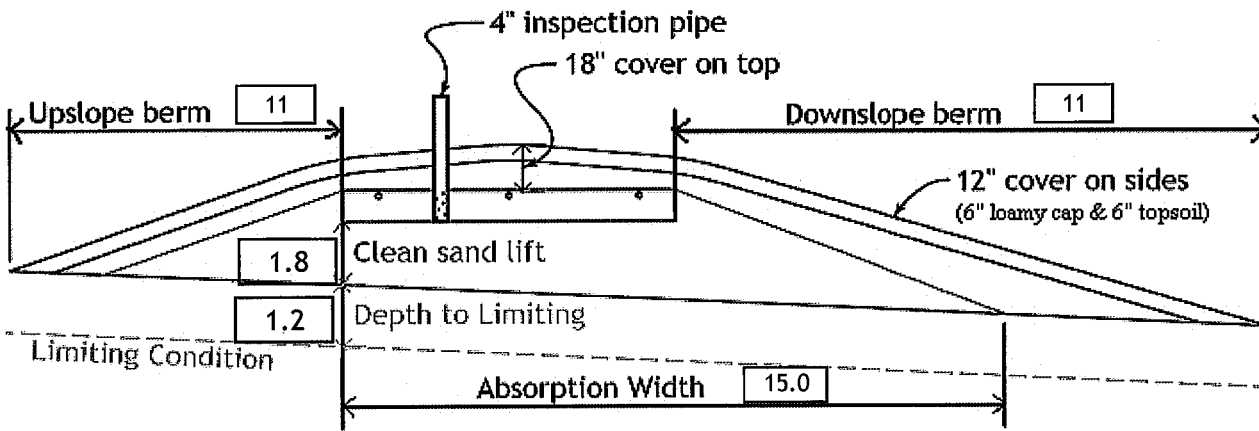
PID:

Comments: _____

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

- 1) bedroom Type Residential System
- 2) GPD design flow
- 3) Garbage disposal or pumped to septic
- 4) Gal Septic tank (code minimum) Gal Septic tank (design size / LUG req'd)
Tank options: none
- 5) GPD/ft² mound sand loading rate contour loading rate of req's a min ft. long rockbed
- 6) ft rockbed width ft rockbed length
- 7) ft lateral spacing ft perforation spacing (maximum of 3 for both)
 manifold connection
- 8) laterals feet long perfs / lateral perfs total
(1/2 a perf means the first perf starts at the middle feed manifold)
- 9) inch perfs at feet residual head gives gpm flow rate per perforation
for this perf size & spacing, & pipe size on line 12, max perfs/lateral = , line #8 must be less --> OK
- 10) doses per day (4 minimum)
- 11) gallons per dose (treatment volume)
- 12) inch diameter laterals must be used to meet "4x pipe volume" requirement
- 13) feet of inch supply line leads to gallons of drainback volume
(Tip: "top feed" manifold to control the drainback)
- 14) gallons TOTAL pump out volume (treatment + drainback)
- 15) feet vertical lift from pump to mound laterals, leads to a:
- 16) GPM @ feet of head, Pump requirement (note: >50gpm may require an extra 3-6' of head)
- 17) gal Dose tank (code minimum) gal Dose tank (design size / LUG req'd) at gpi
leads to a: **Optional Time dosing of:**
- 18) inch swing on Demand float, (this delivers Average flow, =70% of Peak design flow)
 min ON
- 19) inches from bottom of tank to "Pump OFF" float hrs OFF
- 20) inches from bottom of tank to "Pump ON" float inches to "Timer ON" float
- 21) inches from bottom of tank to "Hi Level" float inches to "Hi Level" float
- 22) gallons reserve capacity (after High Level Alarm is activated-demand dosed)

- 23) gpd/ft^2 Absorption area Soil Loading Rate, which gives a mound ratio of (minimum)
 (this must match the soil boring log) desired mound ratio
- 24) percent site slope (0-20% range) (% downslope site slope, if different than upslope)
- 25) inches, or ft. to Redox or other limiting condition (need at least 12" to be a Type I)
 Treatment zone contains inches of 0% soil credit, and inches of 50% soil credit. Giving a:
- 26) inch, or ft. Sand Lift Mound **CRITICAL FOR FUTURE CERTIFICATIONS!!!**
- 27) ft. Total ABSORPTION width (with sand beyond rockbed as follows:)
- 28) ft. upslope and sideslope
 ft. Downslope
- Individual slope ratios give BERM widths (topsoil beyond rockbed) of:
- 29) upslope ratio ft. upslope berm
- 30) sideslope ft. sideslope berms
- 31) downslope ft. downslope berm
- 32) Overall Dimensions: ft. wide by ft. long Rock bed
 ft. wide by 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:
 ft. by ft. by inches under pipe, plus 20% gives yd^3 or $\ast 1.4 =$ 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)
 up + downslope + ends + under rock = yd^3 or $\ast 1.4 =$ ton
 plus 20%
- 35) Loamy Cap:
 ft. by ft. 6" deep, plus 20% gives yd^3 or $\ast 1.4 =$ ton
- 36) Topsoil:
 ft. by ft. 6" deep, plus 20% gives yd^3 or $\ast 1.4 =$ ton

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

Dan Thorson
 Designer Signature

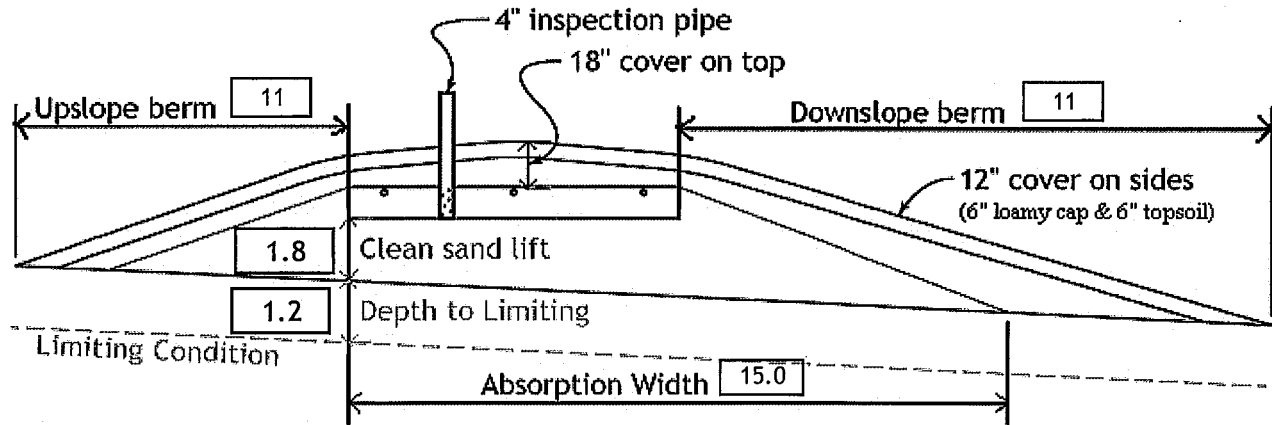
Thorson Septic Design LLC
 Company

4044
 License#

8/21/2023
 Date

Installer Summary

- 1000 gallon Septic tank (minimum) Tank options: none
- 500 gallon Dose tank (minimum) at 10.00 gpi
- 18 GPM @ 18 ft. of head, Pump required
- 8.1 inch swing on Demand float which translates to roughly 5.1 inches of float tether length
- Optional Time dosing of:
 - 4.5 minutes ON
 - 8.5 hours OFF
 - 12 inches to "timer ON" float
 - 33 inches to "Hi level" float
- 20 inches from bottom of tank to "pump ON" float, or
- 23 inches from bottom of tank to "Hi Level Alarm" or
- 50 ft. of 1.5 inch supply line with end feed manifold connection
(Tip: "top feed" manifold to control drainback)
- 22 inch, or 1.8 ft. Sand Lift Mound
- 10.0 ft. wide by 25.0 ft. long Rock bed
- 3 laterals 1.50 inch diameter 23.0 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
- 15.0 ft. Total sand ABSORPTION width (minimum)
 - 2.5 ft. upslope and sideslope (sand beyond rockbed, minimum)
 - 2.5 ft. Downslope (sand beyond rockbed, minimum)
- Specific slope ratios give BERM widths (topsoil beyond rockbed) of:
 - 3:1 upslope ratio 11 ft. upslope berm
 - 3:1 sideslope 11 ft. sideslope berms
 - 3:1 downslope 11 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:	9.0 yd ³ or *1.4=	13 ton	6 inches under pipe
Mound Sand:	75 yd ³ or *1.4=	105 ton	calculation based on 3:1/4:1 slope from top of rockbed
Loamy Cap:	27 yd ³ or *1.4=	38 ton	6" deep
Topsoil:	34 yd ³ or *1.4=	48 ton	6" deep

Holding tank Design

Property Owner: Jeff Abbott

Date: 11/16/2022

Site Address: 33071 Strawberry Dr

PID: 320334105

Comments: _____

instructions: = site specific input = adjust if desired = self-calculated (DO NOT ADJUST)

1) bedroom Type Residential System

2) GPD design flow

Lift station to holding tank (lift basket < 100 gal treat as sewer line, > 100 gal treat as tank)

3) Gallon Holding tank (minimum) at gpi

4) inches from bottom of tank to "Hi Level" float (75% full when alarm activates)

5) gallons reserve capacity (after High Level Alarm is activated)

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

Dan Thorson

Thorson Septic Design LLC

4044

11/16/2022

Designer Signature

Company

License#

Date



COUNTY OF BECKER

Planning and Zoning

915 Lake Ave, Detroit Lakes, MN 56501
Phone: 218-846-7314 ~ Fax: 218-846-7266

Septic System Management Plan

Parcel # Date:

Property Owner: Property Address:

Designer: Installer:

This Management Plan identifies the operation and maintenance activities necessary to ensure long term performance of your septic system. Activities performed by the homeowner and by a licensed septic professional are listed. It is the homeowner's responsibility to make sure all tasks get accomplished in a timely manner.

Homeowner Tasks (every 6 months)

- Leaks – Check for leaky toilets, dripping faucets and other water using appliances.
- Surfacing Sewage – Look for wet or spongy soil around you drainfield area. This is a sign of failure of the system.
- Effluent Filter – If you have a filter associated with your septic tank, inspect and clean.
- Alarms – Pump and Holding tank alarms, either manual or electric, need to be checked for proper operation.
- Secondary Site Location – Ensure the secondary site location remains undisturbed for future use.

Licensed Septic Service Provider Maintenance required every ____ years!

- Check for tank leaks.
- Check and clean tank filter, if applicable.
- Check sludge/scum layer levels in the tank.
- Check inlet/outlet baffles.
- Check pump and alarm system functions, if applicable.
- Check wiring for corrosion and function, if applicable.
- Check inspection pipe caps and replace if necessary.
- Check security of manhole covers.
- Pump tank contents and dispose of properly.
- Check for effluent levels in the drainfield rock layer.
- Provide recommendations to homeowner for action that may need to be taken.

I, the undersigned, understand that it is my responsibility to follow the requirements in this Management Plan to help ensure the performance and longevity of the septic system on the above listed property and to notify the Becker County Planning and Zoning office if plan requirements are not met.

Owner's Signature: Date:

Owners Septic System Management Plan

Date: 11/16/2022

Property Address: 33071 Strawberry Dr

Septic Systems can be an expensive investment, good maintenance will ensure they last a lifetime. Your septic design lists all the components of your system and their location. Keep the design, this management plan and the UofM "Septic System Owners Guide" in a safe place for future reference. For a copy of the Owners guide call the University of MN at 1-800-876-8636.

Some of the following tasks you can do yourself, some require a professional, but is it YOUR responsibility to see that it gets done.

Homeowner Tasks

- Do your best to conserve water.
- Fix household leaks promptly (leaky toilet, dripping faucets).
- Limit bleach and anti-bacterial products. Use Biodegradable dishwasher detergent.
- If a septic alarm goes off, call your septic professional to diagnose the problem.
- Notify the County/City/Township when this management plan is not being met.
- Plan ahead to have your septic pumper empty the Holding tank before it overflows.

Professional Tasks

- Respond to alarms and diagnose problems as needed.
- Respond to pumping calls promptly, and ensure the tank is in proper working order.
- Review water use with the owner.

"As the owner, I understand it is my responsibility to properly operate and maintain this septic system".

Property Owner Signature: _____

Date _____



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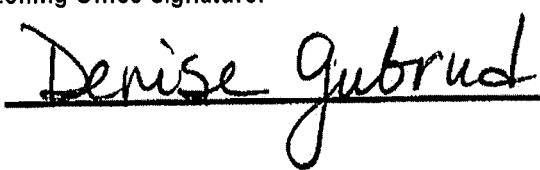
Septic Permit

Permit #: SS2022-1656

Owner & Property Information	
Owner Name:	JEFFRY ABBOTT
Mailing Address:	JEFFRY ABBOTT 26116 CO HWY 7 LAKE PARK MN 56554
Phone #:	218-849-6377
Lake/River(1000 /300):	Yes
Lake/River Name:	Strawberry (Sugar Bush W & Maple Grove) [RD]
Pond/Wetland(50):	No
Parcel #:	320334105
Secondary Parcel #:	
Site Address:	33071 STRAWBERRY DR
Township - Sec/Twp/Rng:	SUGAR BUSH - 01/141/040
Designer:	Thorson Septic Design, LLC (Dan Thorson)
Installer:	Nels Thorson Excavating, L47 (Nels Thorson and Daniel Thorson)

Specifications	
Tank to be Installed:	Holding Tank
Total # Tanks Installed:	1
System Status:	No Existing System
System Serves:	Full-Time Dwelling
Number of Bedrooms:	2
Design Flow/GPD:	300
Garbage Disposal?	No
Size of Lift Pump:	
Size of Lift Line:	
Soil Sizing Factor:	
Type of Drainfield:	
Full Size of Drainfield:	
Reduced/Warrantied Size:	
Absorbition Area Size:	
Rock Depth:	
Chamber Type and Number:	
Chamber Trench SqFt/Chamber:	
Is System Pressurized?	
Alarm?	Yes
Type of Alarm:	Indoor

Setbacks	
Road Type:	Public / Township
Tank Dist to Road:	55'
Tank Dist to Closest Prop Line:	70'
Tank Dist to Nearest Structure:	15'
Tank Dist to Well:	80'
Tank Dist to OHW:	>200'
Tank Dist to Pond/Wetland:	
Tank Dist to Pressure Line:	N/A
Right of Way Marked:	No
Drainfield Dist to Road:	N/A
Drainfield Dist to Closest Prop Line:	70'
Drainfield Dist to Nearest Structure:	N/A
Drainfield Dist to Well:	N/A
Drainfield Dist to OHW:	N/A
Drainfield Dist to Pond/Wetland:	
Drainfield Dist to Pressure Line:	N/A

Other Information	
Date Approved:	11/17/2022
Permit Fee:	225.00
Receipt Number:	252169128
Date Paid:	11/18/2022
Notes:	Install a 1500/2 holding tank
Zoning Office Signature:	

PERMIT MUST BE POSTED AT JOB SITE. PERMIT EXPIRES ONE YEAR FROM DATE PAID.
 ** Please schedule for inspection prior to installation! **



320334105-2022



Becker County Planning & Zoning
915 Lake Ave
Detroit Lakes, MN 56501
(218) 846-7314
www.co.becker.mn.us

Certificate of Compliance Inspection Report - Permit #: SS2022-1656

Owner & Property Information

Owner Name:	JEFFRY ABBOTT	Site Address:	33071 STRAWBERRY DR
Mailing Address:	JEFFRY ABBOTT 26116 CO HWY 7 LAKE PARK MN 56554	Township - Sec/Twp/Rng:	SUGAR BUSH - 01/141/040
Parcel #:	320334105	Legal Description:	Block 001 of STRAWBERRY HEIGHTS LOT 5
Secondary Parcel #:		Designer:	Thorson Septic Design, LLC (Dan Thorson)
		Installer:	Nels Thorson Excavating, L47 (Nels Thorson and Daniel Thorson)

Inspector Verified Specifications

Insp- Effluent Screen Installed:	No	Insp- Tank Nbr/Size:	1/1500/2
Insp- Alarm Required:	Yes	Insp- Drainfield Type:	No Drainfield
Insp- Lift Pump in System:	No	Insp- Drainfield Size:	
Insp- Number of Bedrooms:	2	Insp- Soil Verification:	#1:N/A #2:N/A #3:N/A

Inspector Verified Setbacks

Insp- Tank Dist to Road	50+	Insp- Drainfield Dist to Road	
Insp- Tank Dist to Nearest Prop Line	50+	Insp- Drainfield Dist to Nearest Prop Line	
Insp- Tank Dist to Nearest Structure	15	Insp- Drainfield Dist to Nearest Structure	
Insp- Tank Dist to Well	80+	Insp- Drainfield Dist to Well	
Insp- Tank Dist to OHW	200+	Insp- Drainfield Dist to OHW	
Insp- Tank Dist to Pond/Wetland		Insp- Drainfield Dist to Pond/Wetland	
Insp- Tank Dist to Pressure Line		Insp- Drainfield Dist to Pressure Line	

Certificate of Compliance

(Yes) Certificate is hereby granted based upon the application, addendum from, plans, specifications and all other supporting data. With proper maintenance, this system can be expected to function satisfactory, however this is not a guarantee.

Certification Date: 11/16/2022

Zoning Office Signature:

Denise Gubrud - ISTS Inspector

* Certificate of Compliance is not valid unless signed by a Registered Qualified Employee *

Field Review Form

Permit # SS2022-1656

Property and Owner

Owner: JEFFRY ABBOTT	Parcel Number: 320334105
Site Address: 33071 STRAWBERRY DR	Secondary Parcel:

Home Information

Does the structure contain any of the following elements?	Designer submitted	Inspector verified
	Garbage disposal: No Dishwasher: Invalid Field Grinder pump: Invalid Field Lift pump in bsmt: Invalid Field	
Number of bedrooms: 2	Review - Number of bedrooms: 2	
Effluent screen	Effluent screen installed? Y <input checked="" type="checkbox"/> N	Mfr:
Alarm: Yes Type: Indoor	Review - Alarm? <input checked="" type="checkbox"/> Y N	Type & Mfr: manual float
Lift pump in system: No	Review - Lift pump in system? Y <input checked="" type="checkbox"/> N	Mfr:

Component Information

Tank size: 1500/2	Review - Tank nbr: 1 size: 1500/2 Mfr: Thelen
Drainfield type:	Review - Drainfield type:
Drainfield size: Full size Reduced/warr. size	Review - Drainfield status: none / installed / next spring Review - Drainfield size:
Absorption area size:	Review - Absorption area size:
Chamber type/num: Trench sqft/chamber	Review - Chamber type: Num: Review - Trench sqft/chamber:
Drainfield rock depth:	Review - Rock depth:

Soil Verification

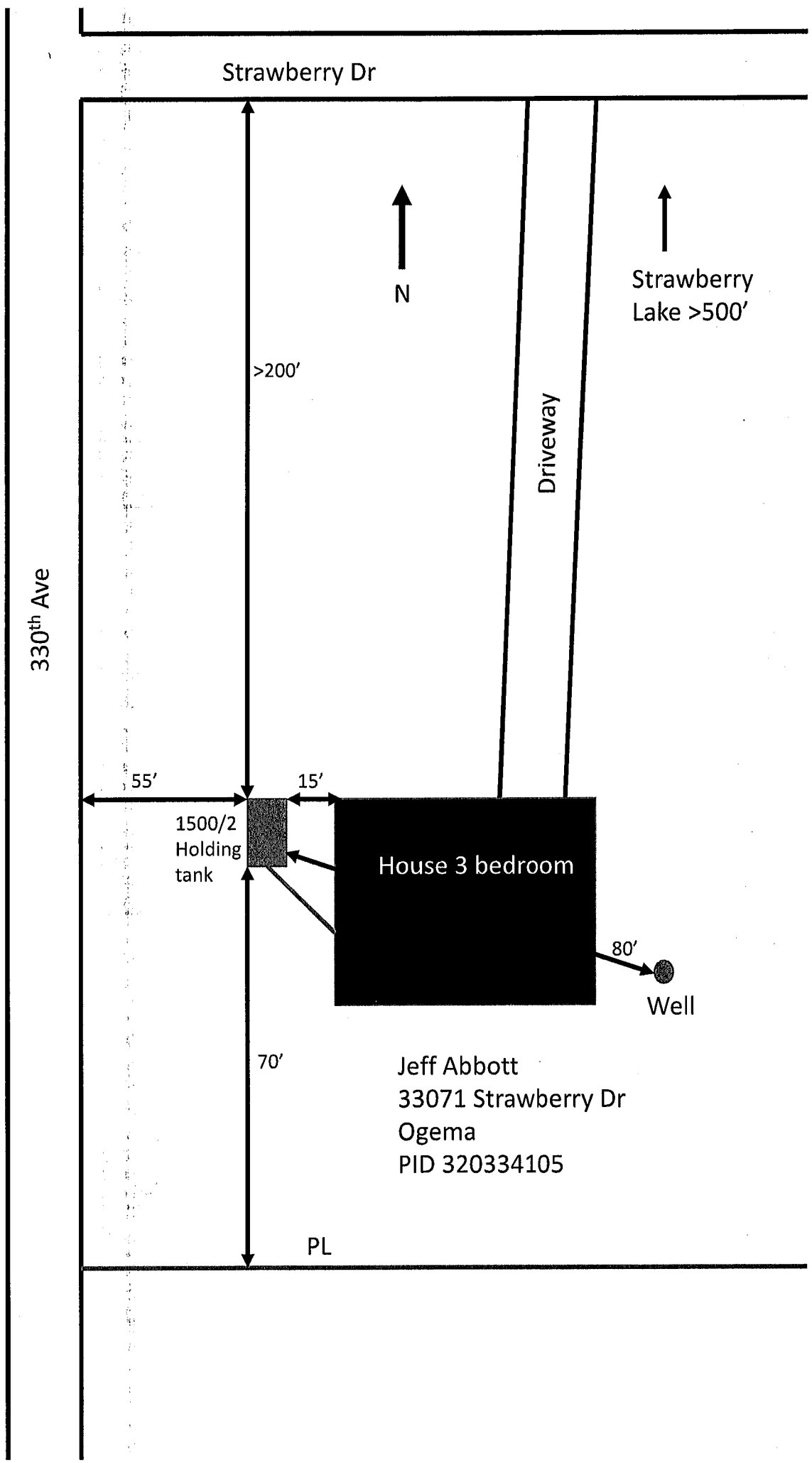
Vertical separation verified	Boring #1: Boring #2: Holding tank Boring #3:
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Setback Verification

Distance to...	Designer submitted		Inspector verified	
	Tank	Drainfield	Tank	Drainfield
Road	55'	N/A	50+	
Nearest prop line	70'	N/A	50+	
Nearest structure	15'	N/A	15	
Well	80'	N/A	80	
OHW	>200'	N/A	200+	
Pond/Wetland				
Pressure line	N/A	N/A		

Date System Installed: 1/16/2022 Installer: Nels Thorsen Dan Thorsen Inspector: Denise Conrad

1656



Strawberry Dr

330th Ave

N

Strawberry Lake >500'

Driveway

>200'

55'

15'

1500/2 Holding tank

House 3 bedroom

80'

Well

70'

PL

Jeff Abbott
33071 Strawberry Dr
Ogema
PID 320334105

Holding tank Design

Property Owner: Jeff Abbott Date: 11/16/2022

Site Address: 33071 Strawberry Dr PID: 320334105

Comments: _____

instructions: = site specific input = adjust if desired = self-calculated (DO NOT ADJUST)

1) 2 bedroom Type II Residential System

2) 300 GPD design flow

No Lift station to holding tank (lift basket < 100 gal treat as sewer line, > 100 gal treat as tank)

3) 1500 Gallon Holding tank (minimum) at 30.00 gpi

4) 38 inches from bottom of tank to "Hi Level" float (75% full when alarm activates)

5) 375 gallons reserve capacity (after High Level Alarm is activated)

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

Dan Thorson
Designer Signature

Thorson Septic Design LLC
Company

4044
License#

11/16/2022
Date



COUNTY OF BECKER

Planning and Zoning

915 Lake Ave, Detroit Lakes, MN 56501
Phone: 218-846-7314 ~ Fax: 218-846-7266

Septic System Management Plan

Parcel #

Date:

Property Owner:

Property Address:

Designer:

Installer:

This Management Plan identifies the operation and maintenance activities necessary to ensure long term performance of your septic system. Activities performed by the homeowner and by a licensed septic professional are listed. It is the homeowner's responsibility to make sure all tasks get accomplished in a timely manner.

Homeowner Tasks (every 6 months)

- Leaks – Check for leaky toilets, dripping faucets and other water using appliances.
- Surfacing Sewage – Look for wet or spongy soil around you drainfield area. This is a sign of failure of the system.
- Effluent Filter – If you have a filter associated with your septic tank, inspect and clean.
- Alarms – Pump and Holding tank alarms, either manual or electric, need to be checked for proper operation.
- Secondary Site Location – Ensure the secondary site location remains undisturbed for future use.

Licensed Septic Service Provider Maintenance required every ____ years!

- Check for tank leaks.
- Check and clean tank filter, if applicable.
- Check sludge/scum layer levels in the tank.
- Check inlet/outlet baffles.
- Check pump and alarm system functions, if applicable.
- Check wiring for corrosion and function, if applicable.
- Check inspection pipe caps and replace if necessary.
- Check security of manhole covers.
- Pump tank contents and dispose of properly.
- Check for effluent levels in the drainfield rock layer.
- Provide recommendations to homeowner for action that may need to be taken.

I, the undersigned, understand that it is my responsibility to follow the requirements in this Management Plan to help ensure the performance and longevity of the septic system on the above listed property and to notify the Becker County Planning and Zoning office if plan requirements are not met.

Owner's Signature:

Date:

Preliminary & Field Evaluation Form

www.SepticResource.com vers 12.4

Owner Information			
Date	<u>11/16/2022</u>	Sec / Twp / Rng	_____
Parcel ID	<u>320334105</u>	LUG (county, city, township)	_____
Property Owner:	<u>Jeff Abbott</u>	Owners address (if different)	_____
Property Address:	<u>33071 Strawberry Dr</u>	<u>218-849-6377</u>	_____
City / State / Zip:	<u>Ogema MN</u>	<u>no Email</u>	_____

Flow Information and Waste Type / Strength			
Estimated Design flow	<u>100</u>	Anticipated Waste strength	<input type="checkbox"/> HI Strength <input checked="" type="checkbox"/> Domestic
Comments:		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 checked="" type="checkbox"/> Yes <input 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Well casing depth	<u>>50'</u>
Easements on lot located (see site map)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Drainfield w/in 100' of residential well	<input type="checkbox"/> Yes <input checked="" 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 type="checkbox"/> No	Buried water supply pipe w/in 50' of system	<input checked="" type="checkbox"/> Yes <input 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 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	_____ _____		

Owners Septic System Management Plan

Date: 11/16/2022

Property Address: 33071 Strawberry Dr

Septic Systems can be an expensive investment, good maintenance will ensure they last a lifetime. Your septic design lists all the components of your system and their location. Keep the design, this management plan and the UofM "Septic System Owners Guide" in a safe place for future reference. For a copy of the Owners guide call the University of MN at 1-800-876-8636.

Some of the following tasks you can do yourself, some require a professional, but is it YOUR responsibility to see that it gets done.

Homeowner Tasks

- Do your best to conserve water.
- Fix household leaks promptly (leaky toilet, dripping faucets).
- Limit bleach and anti-bacterial products. Use Biodegradable dishwasher detergent.
- If a septic alarm goes off, call your septic professional to diagnose the problem.
- Notify the County/City/Township when this management plan is not being met.
- Plan ahead to have your septic pumper empty the Holding tank before it overflows.

Professional Tasks

- Respond to alarms and diagnose problems as needed.
- Respond to pumping calls promptly, and ensure the tank is in proper working order.
- Review water use with the owner.

"As the owner, I understand it is my responsibility to properly operate and maintain this septic system".

Property Owner Signature: _____

Date _____



Becker County Planning & Zoning
 915 Lake Ave
 Detroit Lakes, MN 56501
 (218) 846-7314
 www.co.becker.mn.us

Septic Permit

Permit #: SS2022-1656

Owner & Property Information

Owner Name:	JEFFRY ABBOTT	Parcel #:	320334105
Mailing Address:	JEFFRY ABBOTT 26116 CO HWY 7 LAKE PARK MN 56554	Secondary Parcel #:	
Phone #:	218-849-6377	Site Address:	33071 STRAWBERRY DR
Lake/River(1000/300):	Yes	Township - Sec/Twp/Rng:	SUGAR BUSH - 01/141/040
Lake/River Name:	Strawberry (Sugar Bush W & Maple Grove) [RD]	Designer:	Thorson Septic Design, LLC (Dan Thorson)
Pond/Wetland(50):	No	Installer:	Nels Thorson Excavating, L47 (Nels Thorson and Daniel Thorson)

Specifications

Tank to be Installed:	Holding Tank	Type of Drainfield:	
Total # Tanks Installed:	1	Full Size of Drainfield:	
System Status:	No Existing System	Reduced/Warrantied Size:	
System Serves:	Full-Time Dwelling	Absorbtion Area Size:	
Number of Bedrooms:	2	Rock Depth:	
Design Flow/GPD:	300	Chamber Type and Number:	
Garbage Disposal?	No	Chamber Trench SqFt/Chamber:	
Size of Lift Pump:		Is System Pressurized?	
Size of Lift Line:		Alarm?	Yes
Soil Sizing Factor:		Type of Alarm:	Indoor

Setbacks

Road Type:	Public / Township	Right of Way Marked:	No
Tank Dist to Road:	55'	Drainfield Dist to Road:	N/A
Tank Dist to Closest Prop Line:	70'	Drainfield Dist to Closest Prop Line:	70'
Tank Dist to Nearest Structure:	15'	Drainfield Dist to Nearest Structure:	N/A
Tank Dist to Well:	80'	Drainfield Dist to Well:	N/A
Tank Dist to OHW:	>200'	Drainfield Dist to OHW:	N/A
Tank Dist to Pond/Wetland:		Drainfield Dist to Pond/Wetland:	
Tank Dist to Pressure Line:	N/A	Drainfield Dist to Pressure Line:	N/A

Other Information

Date Approved:	11/17/2022
Permit Fee:	225.00
Receipt Number:	252169128
Date Paid:	11/18/2022

Zoning Office Signature:

Denise Gubrud

Notes: Install a 1500/2 holding tank

PERMIT MUST BE POSTED AT JOB SITE. PERMIT EXPIRES ONE YEAR FROM DATE PAID.
 ** Please schedule for inspection prior to installation! **