



280040000



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 #: SS2020-674

Owner & Property Information			
Owner Name:	SCOTT KRAL	Site Address:	25211 CO HWY 37
Mailing Address:	SCOTT KRAL 22185 150TH ST HANSKA MN 56041	Township - Sec/Twp/Rng:	SHELL LAKE - 09/140/038
Parcel #:	280040000	Legal Description:	9-140-38 PT GOVT LOT 3: COMM E QTR COR SEC 9 W 1338.87' TO POB; W 1338.87', S 1310.20', E 1236.34', NELY AL LK 216.11', NW 173.6', N 230', NE 135.69', N 672.71' TO POB. TRACT A.
Secondary Parcel #:		Designer:	Darryl Bergstrom Backhoe Services, L478 (Darryl Bergstrom)
		Installer:	Darryl Bergstrom Backhoe Services, L478 (Darryl Bergstrom)

Inspector Verified Specifications			
Insp- Effluent Screen Installed:	No	Insp- Tank Nbr/Size:	1/1500/2
Insp- Alarm Required:	Yes	Insp- Drainfield Type:	Pressure Bed
Insp- Lift Pump in System:	Yes	Insp- Drainfield Size:	10' X 38' = 380 square feet
Insp- Number of Bedrooms:	3	Insp- Soil Verification:	#1:60" restrictive layer - water #2:N/A #3:N/A

Inspector Verified Setbacks			
Insp- Tank Dist to Road	100+	Insp- Drainfield Dist to Road	100+
Insp- Tank Dist to Nearest Prop Line	10+	Insp- Drainfield Dist to Nearest Prop Line	10+
Insp- Tank Dist to Nearest Structure	10+	Insp- Drainfield Dist to Nearest Structure	30+
Insp- Tank Dist to Well	120+	Insp- Drainfield Dist to Well	120+
Insp- Tank Dist to OHW	150+	Insp- Drainfield Dist to OHW	150+
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	Zoning Office Signature:
(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: 9/9/2020	
	Denise Gubrud - ISTS Inspector

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

Field Review Form

Permit # SS2020-674

Property and Owner

Owner: SCOTT KRAL	Parcel Number: 280040000
Site Address: 25211 CO HWY 37	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 <input checked="" type="radio"/> N Dishwasher? Y <input checked="" type="radio"/> N Grinder pump? Y <input checked="" type="radio"/> N Lift pump in basement? Y <input checked="" type="radio"/> N
Number of bedrooms: 3	Review - Number of bedrooms: 3	
Effluent screen	Effluent screen installed? Y <input checked="" type="radio"/> N Mfr:	
Alarm: Yes Type: PS Patrol	Review - Alarm? <input checked="" type="radio"/> N Type & Mfr: PS Patrol	
Lift pump in system: Yes	Review - Lift pump in system? <input checked="" type="radio"/> N Mfr: BN 98 Zocler	

Component Information

Tank size: 1500/2	Review - Tank nbr: 1 size: 1500/2 Mfr: Brown
Drainfield type: Pressure Bed	Review - Drainfield type: Pressure bed
Drainfield size: Full size - 380 Reduced/warr. size -	Review - Drainfield status: none / installed / next spring Review - Drainfield size: 10' x 38'
Absorption area size: 12"	Review - Absorption area size: 10' x 38' = 380 sq ft
Chamber type/num: Trench sqft/chamber -	Review - Chamber type: Num: Review - Trench sqft/chamber:
Drainfield rock depth: 12"	Review - Rock depth: 12"

Soil Verification

Vertical separation verified	Boring #1: Boring #2: water @ 60" Boring #3: no restrictive layer until water
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Setback Verification

Distance to...	Designer submitted		Inspector verified	
	Tank	Drainfield	Tank	Drainfield
Road	100+	100+	100+	100+
Nearest prop line	10+	10+	10+	10+
Nearest structure	10+	20+	10+	30+
Well	TBI	TBI	120+	120+
OHW	100+	100+	150+	150+
Pond/Wetland				
Pressure line				

Date System Installed: 9/9/2020 Installer: Darryl Bergstrom Inspector: D. Lewis G. Bird

SKETCH OF PROPERTY

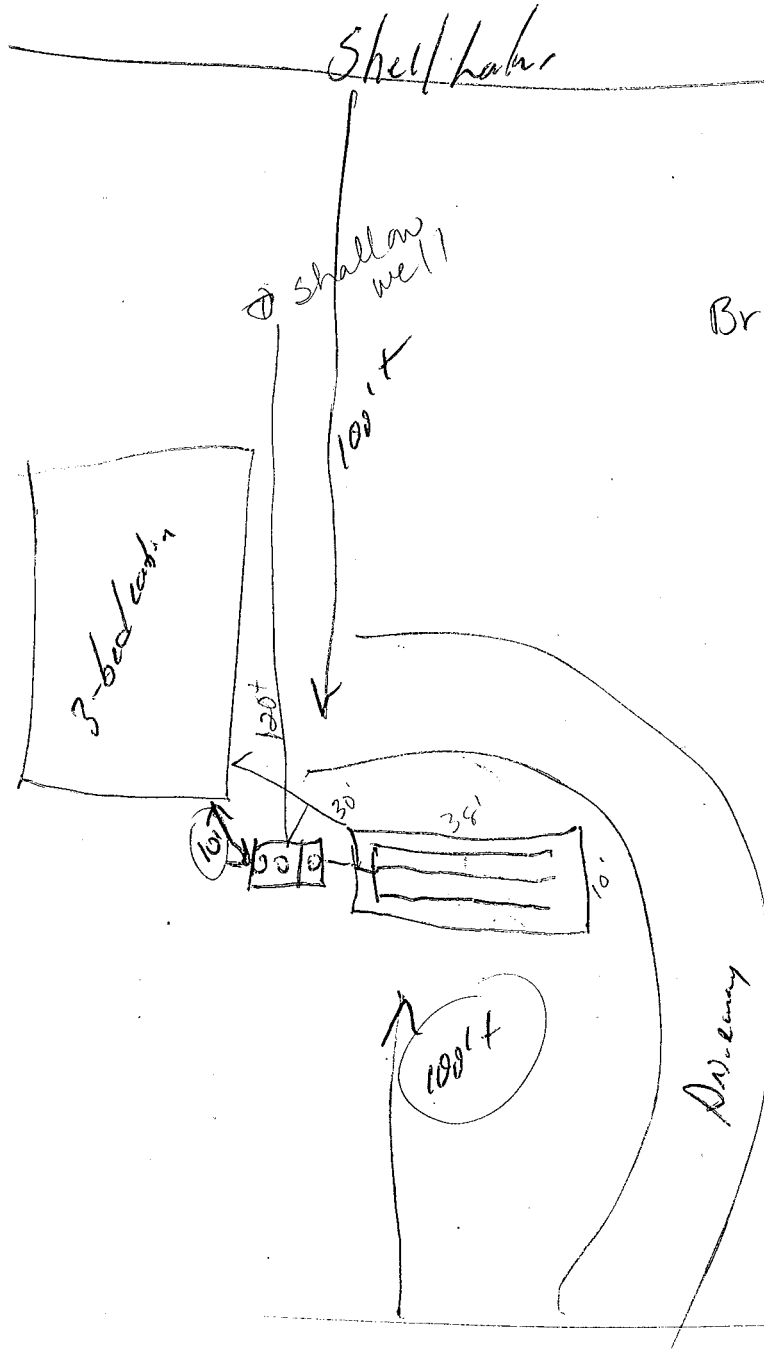
Please sketch all structures and septic systems on the property;
 Include setbacks and wells within 100 feet of the property.

PARCEL	
APP	SEPTIC
YEAR	2018

Site Plan/Septic Sketch

A Detailed site plan/septic sketch must be submitted. Please include:

- Location of Structures
- Location of septic tank, drain field and well (if applicable)
- Setbacks from all property lines, roadways, lake/river/pond, and wells within 100 ft of the property



9/9/2020

Brown 1500/2 tank
 PS Patrol alarm
 BN 98 - Zoeller

Pressure bed
 maximum 1' deep
 10' x 38'

Soils verified
 Certify
 Denise Gubrud

CO Hwy 37

Measurements & Setbacks: For a list of current required setbacks, see attached page.

Lake/River/Wetlands Info (If Applicable)

Is the property within 1000 Feet of a lake or within 300 feet of a river? Yes No

Lake Name Shell Lake

Drainfield Distance from the OHW of Lake or River 100'

Township Shell Lake

Does the property contain or is it within 50 feet of a pond or wetland?

Classification _____

Yes No

River Name _____

Tank Distance from Closest Pond/Wetland _____

Tank Distance from OHW of Lake or River 100'

Drainfield Distance from the Closest Pond/Wetland _____

Road Type:

State

County

Public/Township

Private Easement

4 Lane Highway

I have found and marked the road right-of-way: Yes No

Please note: Measurement is taken from the property pins (measure from pins into property).

Setback Verification

	TANK	DRAINFIELD
Distance to Road	<u>100'</u>	<u>100'</u>
Distance to Property Line, other than road (side or rear):	<u>10'</u>	<u>10'</u>
Distance to Buildings including garages attached to dwellings	<u>10'</u>	<u>20'</u>
Distance to Pressure Line	<u>_____</u>	<u>_____</u>
Distance to Wetland/Protected Water	<u>100'</u>	<u>100'</u>
Distance to Well	<u>_____</u>	<u>_____</u>

Depth of Well: _____ Shallow _____ Deep

5. REQUIRED DOCUMENTS: If any of the following is required, please submit along with application:

- Property Line Agreement Form
- Township Road Right of Way Encroachment Form
- County Road Right of Way
- U of MN worksheets are required for mounds, pressure beds, seepage beds, at grades or Type IV or type V systems.

Are the required worksheets attached?

Yes No

6. DESIGNER'S CERTIFIED STATEMENT

I, Paul Boyden (Print Name of Designer) certify that I have completed the preceding design work in accordance with all applicable requirements (including, but not limited to Minnesota Chapter 7080 and the Becker County Individual Sewage Treatment System Ordinance).

Paul Boyden
Signature of Designer

9-1-2020
Date

Type of Drainfield	Full Size of Drainfield	Reduced/Warrantied Size	Size of Absorption Area <u>380</u>
_____ Chamber Trench	_____ sq. ft.	_____ sq. ft.	Depth of Rock <u>12</u>
_____ Rock Trench	_____ sq. ft.	_____ sq. ft.	Chamber Type and
_____ Graveless	_____ sq. ft.	_____ sq. ft.	Number _____
_____ Mound	_____ sq. ft.	_____ sq. ft.	Total Sq. Ft. Per Chamber
<input checked="" type="checkbox"/> Pressure Bed	<u>380</u> sq. ft.		_____
_____ Seepage Bed	_____ sq. ft.		
_____ At-Grade	_____ sq. ft.		
_____ Alternative/Performance	_____ sq. ft.		

Is System Pressurized? Yes _____ No

*If System is pressurized, you must submit the applicable forms as listed below.

- Pressure Distribution System
- At Grade Design Worksheet
- Mound Design Worksheet- Slope 1% or Less
- Mound Design Worksheet- Slope 1% or More

What is the Perc Rate? Sand What is the Soil Sizing Factor? .83

*If SSF other than .83, you must attach the Perc Test Data

_____ 0.00	_____ 0.45	_____ 0.60	<input checked="" type="checkbox"/> 0.83	_____ 1.67
_____ 0.24	_____ 0.50	_____ 0.78	_____ 1.27	

Soil Borings (three are required) and ALL FIELDS ARE MANDATORY

Depth	Texture	Color	Structure Shape	Structure Grade	Structure Consistency
0-6	loam	black	granular	weak	loose
6-60	sand	Black 10/11	granular	weak	loose

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0-6	loam	black	granular	weak	loose
6-60	sand	Black 10/11	granular	weak	loose

Depth	Texture	Color	Structure Shape	Structure Grade	Structure Consistency
0-5	loam	black	granular	weak	loose
5-60	sand	Black 10/11	granular	weak	loose

Depth	Texture	Color	Structure Shape	Structure Grade	Structure Consistency

Options for Texture:

- Loamy Sand
- Loamy Coarse Sand
- Fine Sand
- Very Fine Sand
- Loamy Fine Sand
- Sandy Loam
- Coarse Sandy Loam
- Fine Sandy Loam
- Very Fine Sandy Loam
- Loam
- Silt Loam
- Silt
- Clay Loam

Sandy Clay Loam

- Silty Clay Loam
- Clay
- Sandy Clay
- Silty Clay
- Top Soil
- Redox/Limiting Layer

Options for Structure Shape

- Granular
- Platy
- Blocky
- Prismatic
- Strong
- Single Grain

Options for Structure Grade:

- Massive
- Weak
- Moderate
- Loose

Options for Soil Structure

- Consistency:
- Loose
 - Friable
 - Firm
 - Extremely Firm
 - Rigid

9/9/2020
10:00
Darryl



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Septic Permit

Permit #: SS2020-674

Owner & Property Information			
Owner Name:	SCOTT KRAL	Parcel #:	280040000
Mailing Address:	SCOTT KRAL 22185 150TH ST HANSKA MN 56041	Secondary Parcel #:	
Phone #:	none	Site Address:	25211 CO HWY 37
Lake/River(1000/300):	Yes	Township - Sec/Twp/Rng:	SHELL LAKE - 09/140/038
Lake/River Name:	Shell (Carsonville & Shell Lake) [RD]	Designer:	Darryl Bergstrom Backhoe Services, L478 (Darryl Bergstrom)
Pond/Wetland(50):	No	Installer:	Darryl Bergstrom Backhoe Services, L478 (Darryl Bergstrom)

Specifications			
Tank to be Installed:	Compartmented Tank	Type of Drainfield:	Pressure Bed
Total # Tanks Installed:	1	Full Size of Drainfield:	380
System Status:	No Existing System	Reduced/Warrantied Size:	
System Serves:	Full-Time Dwelling	Absorbtion Area Size:	380 square feet
Number of Bedrooms:	3	Rock Depth:	12"
Design Flow/GPD:	450	Chamber Type and Number:	
Garbage Disposal?	No	Chamber Trench SqFt/Chamber:	
Size of Lift Pump:	1/2 hp	Is System Pressurized?	Yes
Size of Lift Line:	2"	Alarm?	Yes
Soil Sizing Factor:	.83	Type of Alarm:	PS Patrol

Setbacks			
Road Type:	County	Right of Way Marked:	Yes
Tank Dist to Road:	100+	Drainfield Dist to Road:	100+
Tank Dist to Closest Prop Line:	10+	Drainfield Dist to Closest Prop Line:	10+
Tank Dist to Nearest Structure:	10+	Drainfield Dist to Nearest Structure:	20+
Tank Dist to Well:	TBI	Drainfield Dist to Well:	TBI
Tank Dist to OHW:	100+	Drainfield Dist to OHW:	100+
Tank Dist to Pond/Wetland:		Drainfield Dist to Pond/Wetland:	
Tank Dist to Pressure Line:		Drainfield Dist to Pressure Line:	

Other Information		Zoning Office Signature:
Date Approved:	9/3/2020	
Permit Fee:	225.00	
Receipt Number:	193583-748585	
Date Paid:	9/3/2020	
Notes:	Install a 1500/2 septic/lift tank and a 10' X 38' pressure bed	

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