



010111001-2021



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 #: SS2021-912

Owner & Property Information

Owner Name:	CRAIG W & WANDA R MOZLEY	Site Address:	10206 CO HWY 14
Mailing Address:	CRAIG W & WANDA R MOZLEY PO BOX 144 HITTERDAL MN 56552	Township - Sec/Twp/Rng:	ATLANTA - 31/141/043
Parcel #:	010111001	Legal Description:	PT LOT 6 BEG 1684.39' SE OF NW COR TH S 89.79' E 209.63' N 381.55' WLY 300.49' & S 266.33' TO BEG
Secondary Parcel #:		Designer:	Buffalo River Excavating LLC, L3872 (Adam Schenck)
		Installer:	Buffalo River Excavating LLC, L3872 (Adam P Schenck)

Inspector Verified Specifications

Insp- Effluent Screen Installed:	No	Insp- Tank Nbr/Size:	0/existing 1500/2
Insp- Alarm Required:	Yes	Insp- Drainfield Type:	Pressure Bed
Insp- Lift Pump in System:	Yes	Insp- Drainfield Size:	15' X 50' = 750 sq ft
Insp- Number of Bedrooms:	3	Insp- Soil Verification:	#1:attached #2:N/A #3:N/A

Inspector Verified Setbacks

Insp- Tank Dist to Road		Insp- Drainfield Dist to Road	1000+
Insp- Tank Dist to Nearest Prop Line		Insp- Drainfield Dist to Nearest Prop Line	50+
Insp- Tank Dist to Nearest Structure		Insp- Drainfield Dist to Nearest Structure	40
Insp- Tank Dist to Well		Insp- Drainfield Dist to Well	75
Insp- Tank Dist to OHW		Insp- Drainfield Dist to OHW	200+
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: 5/19/2021

Zoning Office Signature:

Denise Gubrud

Denise Gubrud - ISTS Inspector

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

Field Review Form

Permit # SS2021-912

Property and Owner

Owner: CRAIG W & WANDA R MOZLEY

Parcel Number: 010111001

Site Address: 10206 CO HWY 14

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: 3

Review - Number of bedrooms: 3

Effluent screen

Effluent screen installed? Y (N) Mfr:

Alarm: Yes Type: Alderon outdoor power post

Review - Alarm? (Y) N Type & Mfr: Alderon Power Post

Lift pump in system: Yes

Review - Lift pump in system? (Y) N Mfr: existing

Component Information

Tank size: 1500 gallon 2 compartment

Review - Tank nbr: size: Mfr: existing

Drainfield type: Pressure Bed

Review - Drainfield type: Pressure bed

Drainfield size: Full size - 750
Reduced/warr. size -

Review - Drainfield status: none / installed / next spring
Review - Drainfield size: 15' x 50'

Absorption area size: 9"

Review - Absorption area size:

Chamber type/num: N/A
Trench sqft/chamber - n/a

Review - Chamber type: X Num:
Review - Trench sqft/chamber:

Drainfield rock depth: 9"

Review - Rock depth: 9"

Soil Verification

Vertical separation verified

Boring #1:
Boring #2: attached
Boring #3:

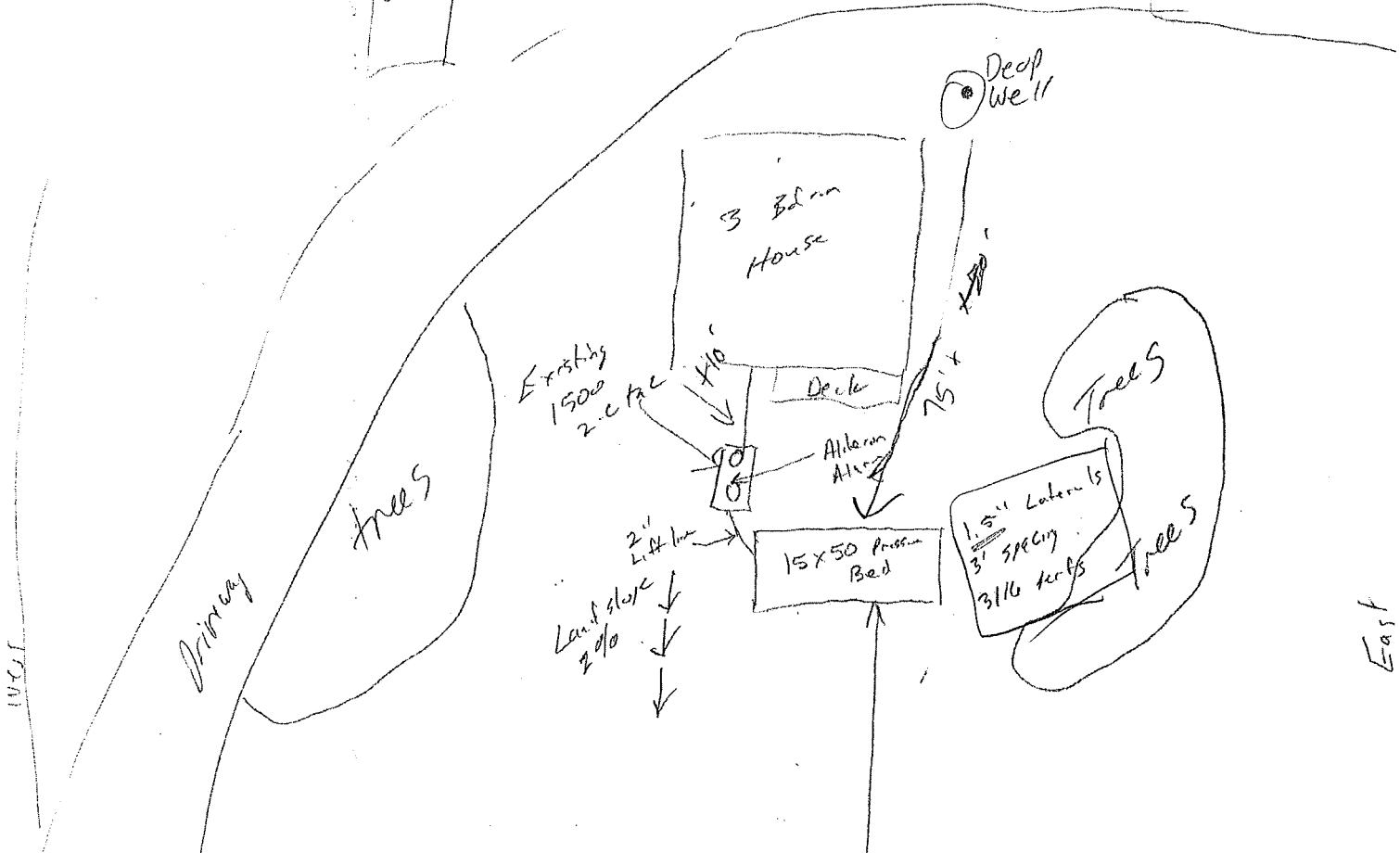
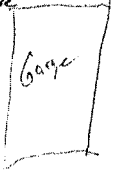
Setback Verification

Distance to...	Designer submitted		Inspector verified	
	Tank	Drainfield	Tank	Drainfield
Road	1000'+	1000'+		1000'
Nearest prop line	50'+	50'+		50'
Nearest structure	10'+	20'+		40'
Well	50'+	50'+		75'
OHW	245'	230'		200'
Pond/Wetland	N/A	N/A		
Pressure line	20'+	20'+		

Date System Installed: 5/19/2021 Installer: Adam - Buffalo River Inspector: Denise Gubrow

10206 Cty 14
Hittendal MN
3 Bdrn No disposal/NO Excise
Reuse 1500 2-c tank
750ft 2 pressure bed

41 of
Futuroyard



5/19/2021

existing tanks
alteration power post

Pressure bed
15'x50' Rock bed.

Clean Rock
5-1 1/2" laterals
Setbacks 0/c

Soils verified
Certified by Denise
South Gubrand



Beautiful
Rustad
Lake

Becker County Restrictive Layer Verification

Client: Craig Mozley	Parcel: 010111001	Date: 5-19-2021	
Address: 10206 Co Hwy 14			
Vegetation: LWN			
Weather Conditions/Time of Day: Pt Cldy 3:00		Observation#/Location/Method: P1F	
Depth (in)		Mottle Color(s)	
42"	L	10yr 5/4	7.5yr 7/5
Comments/Notes: 42" - Restrictive - Reson concentrations			
Certified Statement: I hereby certify that I have completed this work in accordance with all applicable ordinance, rules and laws.			
(Designer) Adam Schreck	(Inspector) Adam Schreck	(License #) C8952	(Date) 5-19-2021

Pressure Bed Design

Property Owner: Craig and Wanda MozleyDate: 5/14/2021Site Address: 10206 cty hi 14 Hitterdal MNPID: 010111001

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 Soil Loading Rate ft² bed (code minimum) ft² (design size / LUG req'd)
(must match soil boring log)
- 6) ft desired bed width, leads to a ft bed length
(25' maximum)
- 7) ft lateral spacing ft perforation spacing (maximum 3 for both)
 manifold connection
- 8) laterals feet long perfs / lateral perfs total
(1/2 perf means the first perf starts at the middle feed manifold)
- 9) inch perfs at feet residual head gives gpm flow rate per perforation
(If bed has > 1' of cover, increase residual head for cleanout req's)
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 drainfield laterals, leads to a
- 16) GPM @ feet of head, Pump requirement
(>50 gpm may require additional 3-6' head allowance for discharge assembly)

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)
19) inches from bottom of tank to "pump OFF" float min ON
20) inches from bottom of tank to "pump ON" float hrs OFF
21) inches from bottom of tank to "Hi Level" float inches to "timer ON" float
22) gallons reserve capacity (after HLA activation-demand dosed) inches to "Hi Level" float

23) inches, or ft. to Redox or other limiting condition (This must match the soil boring log)

Treatment zone contains inches of 0% soil credit, and inches of 50% soil credit

24) inches, or ft. of vertical separation required

leads to bottom of rock no more than:

25) inches, or ft. Below existing grade **CRITICAL FOR FUTURE CERTIFICATIONS!!!**

26) inches of rock below the pipe

inches of rock to cover the pipe

27) Overall Dimensions: ft. wide by ft. long Pressure Bed

28) Rock Bed materials:

ft. by ft. by inches total, plus 20% gives yd³ or *1.4= ton

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

Designer Signature

Company

License#

5/14/2021

Date

5-17-2021
 3:00
 Admin



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Septic Permit

Permit #: SS2021-912

Owner & Property Information

Owner Name:	CRAIG W & WANDA R MOZLEY	Parcel #:	010111001
Mailing Address:	CRAIG W & WANDA R MOZLEY PO BOX 144 HITTERDAL MN 56552	Secondary Parcel #:	
Phone #:	7015521593	Site Address:	10206 CO HWY 14
Lake/River(1000/300):	Yes	Township - Sec/Twp/Rng:	ATLANTA - 31/141/043
Lake/River Name:	Rustad (Atlanta) [NE Tier 1] n/a	Designer:	Buffalo River Excavating LLC, L3872 (Adam Schenck)
Pond/Wetland(50):	No	Installer:	Buffalo River Excavating LLC, L3872 (Adam P Schenck)

Specifications

Tank to be Installed:	Compartmented Tank	Type of Drainfield:	Pressure Bed
Total # Tanks Installed:	0	Full Size of Drainfield:	750
System Status:	Replacement System	Reduced/Warrantied Size:	
System Serves:	Full-Time Dwelling	Absorbtion Area Size:	750
Number of Bedrooms:	3	Rock Depth:	9"
Design Flow/GPD:	450	Chamber Type and Number:	N/A
Garbage Disposal?	No	Chamber Trench SqFt/Chamber:	n/a
Size of Lift Pump:	gould 4/10 hp	Is System Pressurized?	Yes
Size of Lift Line:	2"	Alarm?	Yes
Soil Sizing Factor:	0.60	Type of Alarm:	Alderon outdoor power post

Setbacks

Road Type:	Public / Township	Right of Way Marked:	No
Tank Dist to Road:	1000'+	Drainfield Dist to Road:	1000'+
Tank Dist to Closest Prop Line:	50'+	Drainfield Dist to Closest Prop Line:	50'+
Tank Dist to Nearest Structure:	10'+	Drainfield Dist to Nearest Structure:	20'+
Tank Dist to Well:	50'+	Drainfield Dist to Well:	50'+
Tank Dist to OHW:	245'	Drainfield Dist to OHW:	230'
Tank Dist to Pond/Wetland:	N/A	Drainfield Dist to Pond/Wetland:	N/A
Tank Dist to Pressure Line:	20'+	Drainfield Dist to Pressure Line:	20'+

Other Information

Date Approved:	5/17/2021	Zoning Office Signature:	
Permit Fee:	225.00		
Receipt Number:	250124319		
Date Paid:	5/17/2021		
Notes: Utilize existing 1500/2 septic/lift tank. Add a 15' X 50' pressure bed (750 square feet)			

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