Aitkin County Reuse Existing Septic Design

December 0						
	d Rosati	Date	e: 9/1/202	21	Cell:	
Mailing Address: 4140 New York Ave	2.			Home Pho	ne # :	
City: Eagan	State	: MN	Zip: 552	123		
Site Address: 43833 245th Ln.			Parce	l Number:	11-0-0	050900
City: Aitkin	State	: MN	Zip: 564			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		·	Zip	+21		
Driving Directions if no address issue	a:					
Legal Description : Part of Lot 1	in Doc. 286998					
Sec: 21 Twp.: 45 Range:	27 Twp. Name	: Hazelton				
Lake / River : Big Pine Lake		· · · · · · · · · · · · · · · · · · · ·	Laka / Diver	Classificati		DD.
Dig Time Lake			Lake / River			RD
FLOW DATA					allons per D	T
Number of Bedrooms :	3		Bedrooms 2	Class I 300	Class II 225	Class III 180
Dwelling Classification :	I		3	450	300	218
System Type :	I		4	600	375	256
Gallons per Day (GPD) :	450		5	750	450	294
			6	900	525	332
WELLS			7	1050	600	370
Deep Well : Existing Dee	ер		8	1200	675	408
Shallow Well : None		Wells to b	e sealed (if Ap	plicable) ?		
SETBACKS						
Tank(s) to Well: + 100'	Drainfield to Well :	+ 200'	Se	wer Line to	Well · +	70'
	Drainfield to House :	+200'				
					ir Test N	10
Tank(s) to Property Line: +10	Drainfield	to Propert	y Line : +1	.0'		
Additional System Notes and Infor	mation:					
Existing Septic System is Compliant (8/31/2021)					
Owner proposes new 3 bedroom hou	use to be constructed	in same lo	cation as exist	ing house		
This is a design to connect the new h	ouse to the Existing s	eptic Syste	m			
Designer Name : Jeff Brummer			Licens	e Number :	: L-1	347
Address: 7450 Burr Ln.		City: Bra	inerd			State: MN
Zip Code : 56401 Home Phone	e#:		Cell: 218	-821-0704		
E-Mail Address: brummerseptic@gi	mail.com					
2 11	0				-	
Designer Signature :	mmur				Date: 9	/1/2021
			Page: 1	Of		

Aitkin County { Reuse existing septic system Design }

Prope	erty Owner:	David R	osati	Date:	9/1/2021	Designe	r's Initials :	JB
Exist	ing Tank Sizing							
Α.	Septic Tank Ca Tank Type :	pacity: 1200 1 Compartment	Gallons Filt	er: NO		Bedrooms 6 or Less	Minimum 1,500	GD / BL 2,250
	Garbage Disp	osal / Basement Li	ft Station :	No Disposal or	Lift	7 or 8	2,000	3,000
В.	Pump Tank Cap	pacity: 250	Gallons (7080	0.2100)	Alarm 1	Type: [Electric	
	Soils		•			71		
C.	Depth to Restri	cting Layer :	inches					
D.	Native SSF :	1.27	{ Perc	Rate (optiona	l) }	MPI		
** En	iter GPD next to	the Type of Systen						
	ROCK TRENCH							
E.		pth	GPD x D =	0.0	sa ft Cul	oic Yards of F	Rock: 0.0	00 yrds.
F.	12 inch	•	_ GPD x D x .80				Marie 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	•
						bic Yards of F		•
G.			_ GPD x D x .66			bic Yards of I	-	•
H.	in. Trench		_ GPD x D x .60			bic Yards of I	Rock : 0.0	00 yrds.
l.		Trench Width for I	ineal feet : S	elect One ÷	3 = #VA	ALUE!		
	CHAMBER TR	ENCHES						
J.	Bra :			Dimensions of	one Chambe	er(LxW):	0 ft. x	0 ft.
K.	6 - 11 Cha	mber Depth :	GPD x [) =	0 sq. ft			
L.	.2 in.	mber Depth :	GPD x [= 08. x 0	0 sq. ft	:.		
M.	ect from eith	ne(K or L) if insta	lling Chamber ⁻	Frenches : Sele	ct One			
N.	Divide (M) by	Trench Width for I	neal feet : S	elect One ÷	0 ft. w	idth = #VA	LUE! Lineal	ft.
0.	Total Chambers	s Needed (Rou	ınd up) =	#VALUE! Char	mbers neede	ed #VA	LUE!	
	SEE AC BED	S						
Ρ.	Seep 30 Bed	600 GPD	x D x 1.5 =	1143 sq. f	t. Bed [Dimensions :	46 ft. x	25 ft.
Cu	bi Yards of Not	k = (Bed Length x	Bed Width x	1 ft. Rock De	epth) 1	143 ÷ 2	27 = 42	3 yrds.
ADD	ITIONAL SYSTE	M NOTES and IN	FORMATION :	New hous	e in same lo	cation and e	levation.	
Grav	ity flow from lov	ver level (walk-out	:) to septic tank	k, install clean-c	out near hou	se		
Exist	ing system is cor	mpliant as a 3 bedr	oom size. Insta	led as a 3 bedr	oom 1987.			
Insta	ller to check pur	mp and alarm.						

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{ Inspection Drawing }

Property Owner: David Rosati Date: 8/31/2021 Designer's Initials: JB Parcel ID. Number: 11-0-050900 Address: 43833 245th Ln. Aitkin MN 56431 Aitkin Co. One Inch = 40ft.' Drainfield As/built was confirmed and used for parts of this inspection mound 10'x40' Rock Bed. XXX 240' shed Bench Mark top of Deepwell Cap Elv = 100' Clean Out Pro posed Elv. Of ground at Septic Tank = 84.9' Estimated Big Pine Lake Elv.= 78' Inlet Septic Tank Elv. = 83.7' Grade at Clean-out near house Elv.= 90.8' Elv. Of ground at Pump Tank = 85.1' Existing sewer pipe at house Elv. = 88.3' Inlet Pump Tank Elv. = ' Pump Elv. = 81.4' Grade near Center of mound Elv.= 97.4' Bench Mark Elv. =100 ' Top of Deep Well Cap Ground at well Elv. = 98.9' SB-Top of Ground Soil Boring SB -Top of Ground Elv. Depth (in.) **Texture** Color Depth (in.) **Texture** Color Two prior soil verifications Mark Ritter 2008 Lou Ann Maschler 2014



Detailed Parcel Report

Parcel Number: 11-0-050900

General Information

Township/City:

HAZELTON TWP

Taxpayer Name:

ROSATI, DAVID & GAIL

Taxpayer Address:

4140 NEW YORK AVENUE

EAGAN MN 55123

Property Address:

43833 245th Ln

Township:

45

Lake Number:

1015700

Range:

27

Lake Name:

BIG PINE LAKE (Hazelton) RD

Section:

21

Acres:

3.00

Green Acres:

No

School District:

1.00

Plat:

Brief Legal Description:

E132 FT OF W678.5 FT OF LOT 1 IN DOC 286998

Tax Information

Class Code 1:

Non-Comm Seasonal Residential Recreational

OHW 1263.6

Class Code 2:

Unclassified

Class Code 3: Homestead:

Unclassified Non Homestead

Assessment Year:

2020

Estimated Land Value:

\$171,700.00

Estimated Building Value:

\$90,700.00

Estimated Total Value:

\$262,400.00

Prior Year Total Taxable Value:

\$276,300.00

Current Year Net Tax (Specials Not Included):

\$2,166.00

Total Special Assessments:

\$0.00

**Current Year Balance Not Including Penalty:

\$1,083.00

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.



Minnesota Well Index

General Information

Unique Well ID:

593965

Well Name:

BROWN, JAMES T.

County:

Aitkin

Aquifer:

Quat. buried artes. aquifer

Well Elevation

(msl in feet):

1301

Drilled Depth (ft):

68

27

Well Completed (ft):

68

W

Date Drilled:

04/25/1997

Township: Subsection:

45 **CBCABA** Range: Use:

domestic

Well Status:

Dir:

Active

Section: Depth To Bedrock:

21

Driller:

Northland Well Co.

Entry Date:

06/19/1997

Update Date: 08/07/2017

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	Hardne ss	Lith Primar y	Lith Second ary	Interpretation
SANDY CLAY	0	40	BROWN	MEDIU M	CLAY		clay+sand-brown
SAND	40	52	BROWN	MEDIU M	SAND		sand-brown
CLAY	52	59	GRAY	MEDIU M	CLAY		clay-gray
SAND	59	68	BROWN	MEDIU M	SAND		sand-brown

