Subsurface Sewage Treatment System Management Plan

Property Owner: Ma	atthew Harmann	Phone: <u>641</u>	-757-0907	Date: 6/3/2021
		City; Pano		Zip: 50216
Mailing Address: PO.				zip: 56431
Site Address: 33721	446th Pl.	City: Aitkin	I WIIN	Zip: <u>se-te-t</u>
performance of your se must be performed by System Designer: Local Government:	heck every 36	es must be pe months. months.	My System	ne homeowner. Other tasks needs to be checked months.
00000	THE CITY CITY OF THE PROPERTY	months.		
	ed on MN Rules Chapter 7080.2450, Subp. lanagement Tasks	2 & 3)		
	- Check (look, listen) for leaks in to	ilets and dripp	ing faucets. Repai	r leaks promptly.
	ng sewage – Regularly check for w			
	t filter – Inspect and clean twice a			
	– Alarm signals when there is a pr		et a service provide	er any time an alarm signals.
	counter or water meter – Record yo			
	-recommend meter readings be o	conducted (<i>cir</i>	ele one: <u>DAILY</u>	WEEKLY MONTHLY)
D	I Taska			
Professional IV	lanagement Tasks	مانات		
¥	Check to make sure tank is not le			
in the second	Check and clean the in-tank efflu			
	Check the sludge/scum layer leve		tanks	
∀	Recommend if tank should be pu	mped		
in the second	Check inlet and outlet baffles			
Lance	Check the drainfield effluent leve	ls in the rock l	ayer	
✓	Check the xxxxxxxx alarm system	m functions		
	Check wiring for corrosion and fu	nction		
Lambard .	Check dissolved oxygen and efflu	ent temperatu	ıre in tank	
V	Provide homeowner with list of r	esults and any	action to be take	n
	Flush and clean laterals if cleanou	uts exist		
Management Plan. If req	ponsibility to properly operate and ma uirements in the Management Plan ar- ons. If I have a new system, I agree to a	e not met, I will	promptly notify the ect the reserve area	permitting authority and take
Pacianar Signatura	Oald Bournessas		В	nata: 6/3/2021

See Reverse Side for Management Log

Maintenance Log

Activity Date Accomp						lished		
Check frequently:						***************************************		
Leaks: check for plumbing leaks				1	T	T		
Soil treatment area check for surfacing								
Lint filter: check, clean if needed								
Effluent screen: if owner-maintained								
Water usage rate (monitor frequency)							
Check annually:							- L.	
Caps: inspect, replace if needed								
Sludge & Scum/Pump								
nlet & Outlet baffles								
Drainfield effluent leaks					1			
Pump, alarm, wiring								
Flush & clean laterals if cleanouts exists								
Other:								
Other:					1			
Notes: Holding Tanks, pump when full, pump	er should (check fo	or leaks	or cra	icks.			
		o o Salanin Marchine (a salanin 3 da Amerika ana akina (1964-1999)		erze electrologico en la la colonidad de la co		nnoch of the Advisor to the Advisor the Ad		

P:\PZSHARE\Forms\SSTS Management Plan.docx

Aitkin County Holding Tank Design Back Lot

Property Owner:	Matthew Harmann		Date	: 6/	3/2021		Cell: 64:	1-757-0907	
Mailing Address: PO. Box 307					Home Phone # :				
City: Panora		Ct-t-			William of the second		ne # :		
	State:	IĄ	Zip:	50216	with the country				
	33721 446th Pl.	4 -		Parcel Number:			07-1-139200		
City: Aitkin	The state of the s	State:	MN	Zip:	56431				
Driving Direction	s if no address issued :		-				rus i		
Legal Description	: Lot 5 Blk 2 Hill top View Ad	dition to (edar Lak	(e.	The state of the s	-		And the State of t	
Sec: 5 Twp.:	The second secon	Name : Fa			_				
	Back Lot Cedar Lake	itallie : re	ii iii isian		River Cla	ssificati	on :	RD	
	300 (100 m) (1		THE CHARGE THE PLANTS AND ADDRESS.				allons per D		
FLO	OW DATA			Bedro		Class I	Class II	Class III	
Number	of Bedrooms : 3			2	01110	300	225	180	
	Classification:			3		450	300	218	
	tem Type : II			4		600	375	256	
Gallons per	Day (GPD): 450			5		750	450	294	
				6		900	525	332	
	WELLS			7		1050	600	370	
Deep Well :	Proposed Deep	8		1200	675	408			
Shallow Well:	None	We	ells to be	sealed (if Applic	able)?			
SE	TBACKS					,		A 1 1 2 20 10 10 10 10 10 10 10 10 10 10 10 10 10	
Tank(s) to We	ell: +50' Drainfield to V	Vell :	NA		Sewer	Line to	Well :		
Tank(s) to Hou	Air Test NO								
Tank(s) to Prop	se: 75' Drainfield to Ho erty Line: +25' Dra	infield to	Property	line:	NA	, 41	1 1636		
	And the second s	minera ea	Liabeith	Fille :	IAU	ALCONOMIC TO THE PARTY OF THE P			
Additional Syst	em Notes and Information:								
Tried to find suita	ble Site for mound. Heavy Clay Soi	Is that per	k 280 M	IP with 1	L5% slop	e		All and water control from the control of the contr	
Soils will not supp	port a Type I septic system			- 110					
Designer Name :	Jeff Brummer	The second secon		Li	icense N	umber :	L-1.	347	
Address: 7450	Burr Ln.	Cit	y : Brain	erd			<u> </u>	State: MN	
Zip Code : 564	Home Phone # :			Cell:	218-821	-0704	A CONTRACTOR OF THE CONTRACTOR		
E-Mail Address:	brummerseptic@gmail.com				<u></u>				
Designer Signatur	e: Mammu	The state of the s					Date: 6	/3/2021	
	11/1		77. 1	Page:	1 0		pater 9	J/ HVE d	

{ Design Notes }

Property Owner:

Matthew Harmann

Date:

6/3/2021

Designer's Initials :

JB

PIN: 07-1-139200

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of

Existing Garage to be used as house, maybe added onto in the future.

There are no wells on this parcel, proposed well will be off SW corner of garage/ house.

Designer conducted 2 perk tests in different locations, both were over 280 MPI and grater than 12% slope.

This lot has no Type I soil areas for septic system.

Bench Mark Elevation = 100' is nail on Cedar tree near holding tank location, Garage floor is at Elv. = 100 ft.

Install 2 Jacobson 1500 gal Holding tanks, in series, with gravity flow from garage / house.

install 4" clean-out near garage / house . Installer will add extra soil on top of tank for ballast. Approx. 2 ft.

Install tanks with all inspections pipes and manholes raised to above finished grade elevation.

Install alarm in 2nd tank at approx. 50% of tank capacity, this will be approx. 750 gal. reserve capacity.

If installing manual alarm designer recommends raising 4" pipe to above snow levels (36" above grade).

Owner will need a Holding Tank Pumping Service Agreement.

Setbacks are

50 ft. from well

10 ft. from lot line

10 ft. from structure.

Recommendations for holding tanks)

Electric Alarm in or near house

Insulate tank top

Water proof outside if installed in water if available

Raise manholes 4" or more above finished grade for winter access

Add extra soil on top of tanks for ballast

Owner should install protect around tanks to keep traffic off tank. (Boulders, fence posts)

Existing Elevations

Grade at Power pole with power meter ,Elv. = 92.1'

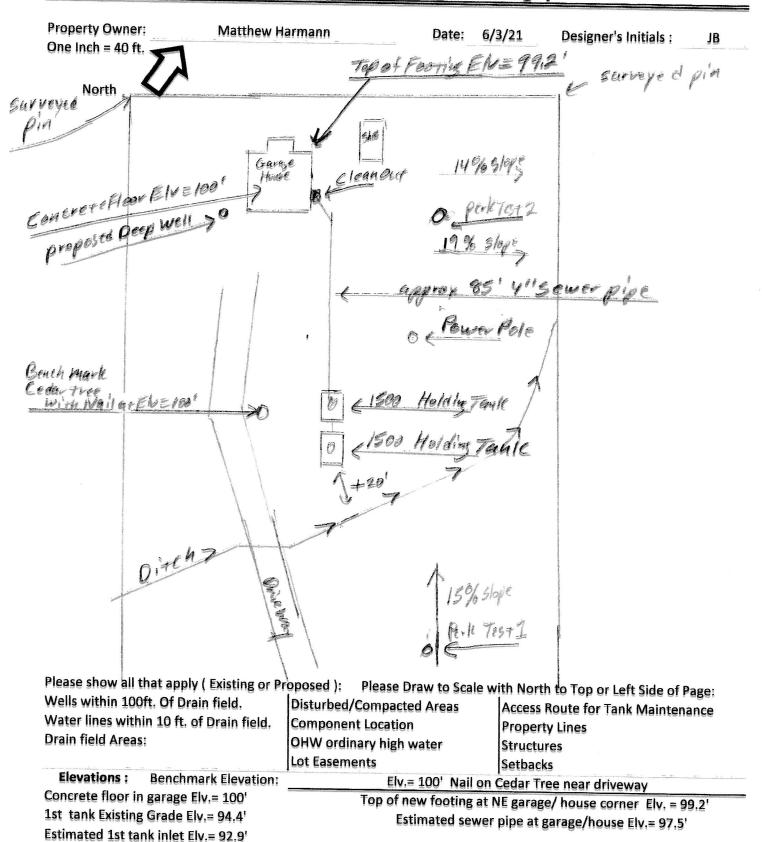
Bench mark nail on Cedar Tree near holding tank location Elv. = 100'

Existing concrete floor in garage Elv. = 100'

Existing Grade at Proposed tank site Elv. = 94.4'

Estimated new 1st tank inlet Elv. = 92.9'

M Brune 6-3-2021

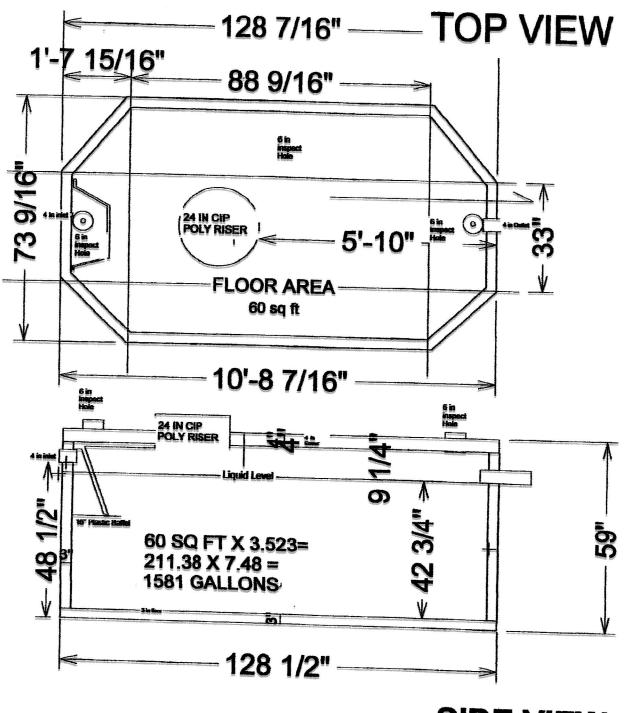


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1500H Holding Tank



35.08 gallons per. inch

SIDE VIEW

Drawings Owned BY Jacobson Precast, LLC 36641 HWY 169, Aitkin, Mn 56431 Do not copy drawings without permission of the Owner

6

Percolation Data Sheet

Contact Ir							
Pr	operty Owner	Contraction of the Contraction o					
	Site Address	: 33721 446th	Pl. Aitkin Mn 56	431			
General F	Percolation In	ormation					
Diamete	r 7	in	D	ate prepared a	nd/or soaked	6/2/21	
M	ethod of scrate	ching sidewall:	Scatcheer				
Is pre-s	oak requiried*	Yes]* Not required	in sandy soils		1	
Sc	oak* start time	10: am	Soak* end time:	8;00 am		22	hrs of soak
Me	ethod to maint	ain 12 in of wa	ater during soak	Float			
Percolation	on Test Data						
	Test hole	#1		Location: [Foot alds of		
			_	Location: [East side of c	rive way near 44	16th place
Date	reading taken	6/3/21		Elevation:	15 % slope N	W	
	Starting time	8:00am		Depth**:	14	inches	
l texture d	lescription:	and the second s	inco.		all control of the specific part of the specific pa		
r contents s	Depth (in)	Soil	Texture	Ì			
	0 - 4	Silt loam top					
	4 - 7	Caly Loam E	Horizon				
	7 - 20	Clay					
	Anniconate in the second secon		After 2 re	eading conclude	ed that perk t	oo slow to use t	his area
Reading	Start Time	End Time	Start Reading (in)	End Reading (in)	Perc rate (mpi)	% Difference Last 3 Rates	Pass
. 1	8:10	9:20	11.00	10,75	280.0	NA	NA
3	9:25	10:30	11,00	10.75	260.0	NA	NA .
	1						
				4			CONTRACTOR OF THE PROPERTY OF
			and the analysis (amount are not only get that a paper of the paper of the analysis of the ana				
		Fhoran Bar	colation B-t- C				
		enosen Per	colation Rate fo	r Test Hole #1		_lmpi	
ditional pe	rcolation test	data may be ir	ncluded on attac	hed pages			
ion Percal	ation Rate (ma	wimum of all	tests) -			I mpi	

Additional Percolation Data

	Fest Data					\$0000000000000000000000000000000000000		
Test hole: #2		Location:	East of garage					
Date reading taken: 3-Jun Elevation:		Elevation:	14% to 19% slope East NE					
	Starting time:	8:00 am	Depth**:	14	inches			
oil texture d	lescription:			COLUMN PARTIES AND ARTHUR AND ARTHUR AND ARTHUR AND ARTHUR				
	Depth (in)	Soil	Texture	1				
	0 = 3	Clay Loam T						
	3 - 6	Clay Loam E	horizon					
	6 - 20	Clay						
			The second secon					
	Market and the second s		After 2 re	eading conclud	ed that perk t	oo slow to use th	is area	
Reading	Start Time	End Time	Start Reading	End Reading	Perc rate	% Difference		
			(in)	(in)	(mpi)	Last 3 Rates	Pass	
1	8:05	9:05	10.00	9.87	461.5	NA	NA	
2	9:05	10:00	9.87	9.75	458.3	NA	NA	
3		-			-			
ercolation 7	Test hole:	#3	Location:					
Date	reading taken:		Elevation:					
	Starting time:		Depth**:		inches			
oil texture d	escription:	Benedinan de constantina militari de la companya de	-	Particular Control of the State of Control of the State of Control				
ar revenie a	Depth (in)	Soil [†]	Texture	1		mounds & at-gra		
				ı	ul ansolution	n area for trenche	ac and h	
		_			o, and pro-		es and b	
Reading	Start Time	End Time	Start Reading (in)	End Reading (in)	Perc rate (mpi)	% Difference Last 3 Rates	Pass	
1	Start Time	End Time	3		Perc rate			
1 2	Start Time	End Time	3		Perc rate	Last 3 Rates	Pass	
1	Start Time	End Time	3		Perc rate	Last 3 Rates NA	Pass NA	



Detailed Parcel Report

Parcel Number: 07-1-139200

General Information

Township/City:

FARM ISLAND TWP

Taxpayer Name:

HARMANN, MATTHEW D

Taxpayer Address:

PO BOX 307

PANORA IA 50216

Property Address:

33721 446th Pl

Township:

46

Lake Number:

1920900

Range:

27

Lake Name:

CEDAR (AITKIN/F.I.) - BACK LOT

Section:

5

Acres:

0.00

Green Acres:

No

School District:

1.00

Plat:

HILLTOP VIEW ADDITION TO CEDAR LAKE

Brief Legal Description:

LOT 5 BLK 2

Tax Information

Class Code 1:

Non-Comm Seasonal Residential Recreational

Class Code 2:

Unclassified

Class Code 3:

Unclassified

Homestead:

Non Homestead

Assessment Year:

2021

Estimated Land Value:

\$24,300.00

Estimated Building Value:

\$16,600.00

Estimated Total Value:

\$40,900.00

Prior Year Total Taxable Value:

\$39,400.00

Current Year Net Tax (Specials Not Included):

\$264.00

Total Special Assessments:

\$0.00

**Current Year Balance Not Including Penalty:

\$264.00

Delinquent Taxes:

No

Sale History

^{*} 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.

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