

5411-65

835 Lake Ave, P O Box 787 Detroit Lakes, MN 56502-0787 Phone (218)-846-7314; Fax (218)-846-7266

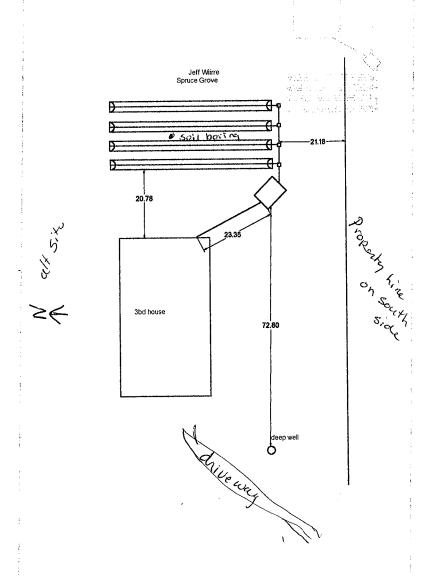
AS Built per/pathy 10/24/05

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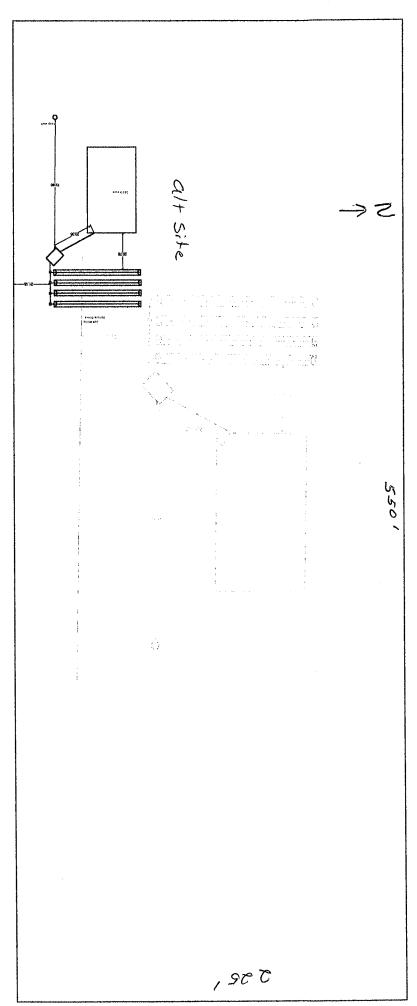
Onsite Septic System Site Evaluation/Design

1. PROPERTY DATA (as it appears on the Parcel Number(s) of property system will be installed	tax statement)		
(if parcel is a new split and a parcel number has no been split from) Section 32 Township 138 Range 3	ot yet been issued, indicate the main	parcel number from wh	ich the new parcel has
Lake Name	41.41.41		1.51700
			. १४० व्यक्तिकार अस्तर्भन
Legal Description:			
Project Address: 48 498 100th S	H Menahga K	nn 56464	
2. PROPERTY OWNER INFORMATION			
Owner's First Name <u>Jeff</u>	Owner's Last Name	Wlirre	
Mailing Address 166 5th St SW	N8 City, State, Zip Wa	adena Mn.	56483
Phone Number 218 631 7021	and the second s		4
3. DESIGNER/INSTALLER INFORMAT	ION		المحادث والمحافظ المطاع المطاع المعاديقين المحادث
Designer Name Patricia Stock	Company Name A - 2 Se	otic and Licen	nse # <u>8009</u>
Address 2043 200th St Mahnon	Markhone Number <u>Q18 935</u>	5 5 9 8 /	The Change of the D
Installer Name by home Owner:			
Address	Phone Number		S. C. Selbert S.
4. SYSTEM DESIGN INFORMATION	Control of the Control	e e e e e e e e e e e e e e e e e e e	nempined in Comigney
Date of Site Evaluation 7 - 10 - 05			gerak og pkolender for som et f
EXISTING SYSTEM STATUS - Check One	What will new system serve? Chec	k one	The sign of the second
No existing system-new structure Cesspool/Seepage Failing (other than cesspool) Undersized Replacement or repair to existing	Dwelling Resort/Commercial Commercial (non resort) Other – explain below	:	
Design Flow 150 Gallons Per Day Number of Bedrooms 3 Garbage Disposal Yes X No Grinder Pump in House Yes No	Well Depth Deep Depth of other wells within 100 ft of system None	Original Soil Conserva Pit Probe Depth to Restricting I Maximum Depth of S	tionX_Boring _ayer

Size of All	Tanks to		Type of Drainfield	Medium			
Be installed			to be used	(AACG HIIII)::(*) * * * *		ırm	
1000 gal S			X Chamber		Size of Lift	Pump	
gal L	ift Station		XH10	FO26	Size of Lift	Line	
gal H	lolding Tank		Drainfield R	EQ36	g of the		
gal O	ther Tanks						
				k Depth	of main	कारणी असट स	eterja mikejne t estiger
			Gravelless	•	*		
			Experimenta	i 11 - 12 - 12		eralagy	
			No Drainfiel	d	and i the ne		
Type of Dra	infield to be ins	talled Circ	of Drain Sald		r shann is r	negation and	t wan oud in in ing a
✓ Trenc	ch		of Drainfield sq ft to be	installed			KS (more bleet one
At-gra			<u>52</u> sq ft	1.46	. GGA . TA	NK didukwa	DRAINFIELD
	ire Bed	***************************************	sq ft	Distance to	Well	າລ໌	90'
	ge Bed		sq ftonless	Distance to	Building	166	20
Moun			sq ft	Distance to	Property Line	ih.	
IVIOUII	u		sq ft	Distance to	OHM	<u>. </u>	<u> 20´</u>
				Distance to	Pressure Line		
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*****	******	****	******				anday (Carrolling Constitution
Application Appl	roved by:	Tand A.	*******FOR OFFICE	USE ONLY ****	******	******	******
Amount Paid	# 100	ruce a 17.	D11 1 17-		Date: 7/25	105	Figure 19 High
	\$ 100.00		Receipt Number	6000	Permit	Number 2	10793
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			CERTIFICATE O	F COMPLIANCE			
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) Certificate	is Hereby Denie	ed			,	•	
(A) Certificate	is Hereby Gra	nted Based u	pon the Application, ad	dendum from nia	ne engoifications -		
with property n	naintenance, thi	s system can	be expected to function	satisfactory hower	or this is not	nd all other	supporting data.
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lignature	4 Y		Titla	s inspel	· -	-14/7	(0) 460 C (0) 160
Certificate of C	ompliance is no	ot yalid unless	s signed by a Registered	Ovalified 17	· - \	Date	**************************************
Date System Ins	talled / A	120/05	on of a registered	Quantied Employe	3e) As L 1/1		11.11
		1-1-0	- 1171 1171 1171 1171 1171 1 71 1	inspected by	ASbuilt	SYSTEM	- In STATIED
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Septic os

Date: 7/10/05

ID No: 385

A1-Septic

2043 200 th st.

Mahnomen, MN. 56557-

Phone: (218) 935-5981 Fax: (218) 935-2815

Patricia Stock, DRP

Preliminary Site Information Report

MPCA License No: 2029

Customer Name: Jeff Wiirre

Job Location: 48498 100th st

Menahga MN 56464

Becker

Site Information

Service Requested: Site Evaluation / System Design

Tanks Reuseable: No

Construction Type: New

Draintile Entering System: No

Price Quote:

Basement Bath: Toilet / Shower

Number Bedrooms:

3

Soil Series:

Soil Drainage Class: Moderately Well Drained

Basement Type

- O Split Entry
- © Full Basement
- O Slab On Grade
- **✓** Walkout Basement

Basement Pump

- None
- Raw Sewage
- © Effluent
- ☐ Garbage Disposal

Lot/Parcel Dimensions

Lot Size: 2.8@

Lot Width:

225

T . D .1

2,23

Lot Depth:

550

Survey Available

Date: 7710-05

18 - Suplie

2443 2HO 11/10

Mahmomen, AIN 86557-

Chance 1218/12/13/08/1 Historial Republic

Pranicia Stuck, DRP

Parlianinary Nice information Report কালে কৰে। সংঘাৰ কান্তেইকাৰ বিশ্ব । সংঘাৰ প্ৰকাশ কাৰ্যকাৰ কাৰ্যকাৰ কৰিছে। এই বিশ্ব কাৰ্যকাৰ কাৰ্যকাৰ কাৰ্যকাৰ ক বি

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Becker

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Service Regarded: Site Peningtion - System Lesign -

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Preliminary Cont	,		
Year Existing Syst	em Installed:		
Location of Existin	g System:		
			<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>
Well Depth: d	eep well		
Well Location:			
in the south west co	r of house		
Comments:			

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ID No: 385

For: Jeff Wiirre						Dagioman	Nomes Al Contin			
Date: 7/14/05						Designer	Name: A1-Septic DRP: Patricia Stock	:		
					MPCA License No: 2029					
Job Address:						Legal Des	scription:			
48498 100th s		··· /				TWP 13	38 R37			
Menahga MN	56464									
						Spruce	Grove, Section 32			
Becker						Becker				
Delivery, Soils, a	ind Site Infor	matior		T au dalau a.	•	0/	System Type:	Stand	ard	
Flow I	_	GPD		Landslope: ation Rate:	2	% NADY	Structure Type:		ential	
Septic Tank 1 Capa		Gal			60	MPI	Construction Type:			
Septic Tank 1 Capa Septic Tank 2 Capa	•	Gal	Restrict La	e Disposal:	60 No.	In	Soil Texture:	•	-	m
Lift Station Capa	•	Gal	_	-	No		Soil Structure:			
		- Gai	Naw Sew	age Pump:	No	····	Soil Structure Grade:	Mode	rate	
System Design Spo	ecifications									
	Trench Type:	Chaml	er			Tre	ench/Chamber Width:	3	Ft	
So	il Sizing Factor:	1.67	Sq Ft / GPD)		Max Dep	oth to System Bottom:	24	In	
Rock De	pth Below Pipe:	12	In				Trench Spacing:	7	Ft	
R	eduction Factor:	0.8					Lawn Area:	1400	Sq Ft	
Trend	ch Bottom Area:	601	Sq Ft				Number of Trenches:	4		
	Lineal Feet:	200					Trench Lengths:	50	Ft	
	_Gravelless Pip	e Optio	n				Rock Volume			
	_	-	ŀ							
	Diameter:		In				Cubic Feet:			
	Length:		Ft			•	Cubic Yards:			
į							Tonnage:			
Pump Capacity	,					Pump He	ad			
Distribution	Type Trench:					Elev	ation Difference -			
	per of Laterals:						p to Discharge Point:		Ft	
Lat	eral Diameter:	I	n				Total Pipe Length:		Ft	
Perfora	tion Diameter:	I	n				Pipe Diameter:		In	
Perfor	ation Spacing:	F	't			F	riction Loss Per Foot:			
Per	foration Head:	F	ìt				Total Friction Loss:		Ft	
Per	foration GPM:	F	't				Manifold Location:			
Perforation	ns Per Lateral:						Total Head:		Ft	
/laximum Perforat	tions / Lateral:				Ì					
Tota	l Perforations:									
L	ateral Length:	F	`t							
Pi	ump Capacity:	(<i>GPM</i>							
Comments: Numi	ber of bedrooms	3. Inst	all under dra	conditions	Veri	fy numn h	ead before installing sy	vetem		,
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Charles June James

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Soil Textures Sandy Clay Loam	(1)	Ŵđ	Result in Loyer Denth:	(gi)	()(ii) (Septie Lank I Capacity:
Soil Structure: Placky		ŋΖħ	Chaloge Dispessit.	(61)		"endic Fank I Copacity.
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System Design Specifications:

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septic os

ID No: 385

Customer Name: Jeff Wiirre

Date: 7/10/05

Tests By: A1-Septic

DRP: Patricia Stock

MPCA License No: 2029

Site Address: Legal Description: 48498 100th st TWP 138 R37 Menahga MN 56464 Spruce Grove Becker Section 32

Boring Name: Soil Boring One

Boring Elevation (Ft):

Restrictive Layer Depth (In): 72

Restrictive Layer Type: Mottles

Standing Water Depth (In): Not Present

Soil Recovery Method: Hand Auger

Soil Series:

Soil Condition: Natural

Comments:

	Soil Profile							
Depth(In) Soil Color Soil Color Description Soil Texture								
0 to 15	10 yr 2/1	Black	Loam, Moderate, Blocky					
16 to 39	5 yr 5/3	Reddish Brown	Sandy Clay Loam, Moderate, Blocky					
40 to 62	5 yr 4/3	Reddish Brown	Sandy Clay Loam, Moderate, Blocky					
63 to 72	5 yr 6/3	Light Reddish Brown with mottles	Medium Sand, Moderate, Single Grained					

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Beefag Name: Soil Bering Our

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Percolation Test Report

ID No: 385

Customer Name: Jeff Wiirre

Date: 7/10/05

Tests By: A1-Septic

DRP: Patricia Stock

MPCA License No: 2029

Site Address: Legal Description:

48498 100th st Menahga MN 56464

TWP 138 R37

Spruce Grove

Section 32

Perc Test Hole One

Becker

Filling Method: Siphon

Hole Diameter:

In

6

Soil Profile

~~~~						
	Depth (In) Soil Color		Soil Color Description	Soil Texture		
	0 to 15 10 yr 2/1		Black	Loam, Moderate, Blocky		
	16 to 24	5 yr 5/3	Reddish Brown	Sandy Clay Loam, Moderate, Blocky		

Start Time	End Time	Interval (min)	Start Depth (in)	End Depth (in)	Water Drop (in)	Perc Rate (mpi)
1:30 PM	2:00 PM	30	8	7	1	30
2:05 PM	2:35 PM	30	8	6.5	1.5	20
2:40 PM	3:10 PM	30	8	6.55	1.45	20.7
3:15 PM	3:45 PM	30	8	6.6	1.41	21.3
3:45 PM	4:15 PM	30	8	6.5	1.5	20

Summary for Percolation Test Hole Perc Test Hole One

Average Perc Rate: 22.4 mpi

Fastest Perc Rate: 20 mpi

Slowest Perc Rate:30 mpi

Percolation Test Report

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Slowest Fere Rate:30 mpi

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## SITE PERMIT AND INDIVIDUAL SEWAGE TREATMENT SYSTEM PERMIT APPLICATION INSTRUCTIONS TO APPLICANT

This instruction sheet, the permit application, and the sketch plan must be signed and returned with the permit application.

All of the following items must be completed before this application will be processed.

- 1. In conjunction with this application, either a valid certificate of compliance for the septic system must be on file with the BCPZ. If there is a non-complying system, an Individual Sewage Treatment System Permit must be applied for, including a site evaluation and design. The sewage treatment upgrade must be completed and a certificate of compliance issued within one year from the date the system design is approved. Copies of the sewage treatment site evaluation and design must be completed by a state licensed designer and must be included with this application.
- 2. UNDEVELOPED PARCELS A sewage treatment site evaluation and design must be submitted with permit prior to any development. Also an Enhanced 911 system sign must be applied for.
- 3. A site plan must accompany each application:
  - a. The site plan must show all existing and proposed buildings, giving all dimensions including height.
  - b. Well and septic system locations.
  - c. Driveways, roads and highway.
  - d. Pertinent setback information such as distance to road centerline, road right of way, wells, septic systems, lakes, wetlands, and side lot lines.
  - e. Show elevation levels above the lake at the building setback line.
  - f. State "proposed new" or "existing" on buildings, wells and septic systems.
  - g. Indicate North point and slope of land.
  - h. Must show the location of wells on all adjacent properties.
  - i. In shoreland areas, show the location and setbacks of structures on adjoining properties.
- 4. Accurate property descriptions (Parcel ID#) must be given. These are usually found on your tax statement or deed. Applicant must own property, have a valid lease, or be an authorized agent.
- 5. <u>Please include your property address</u>. Distance from town and directions to property from a prominent point or landmark should be written out in order for our personnel to be directed to your property for inspections.
- 6. Physically locate and mark property lines or corner markers with stakes. Stake out areas of proposed buildings, septic systems, and wells.
- 7. When you have completed the application and all accompanying plans, etc., mail or deliver in person to the Becker County Planning and Zoning Office, 835 Lake Avenue, PO Box 787, Detroit Lakes, MN 56502.
- 8. Accurate information must be given. A permit is granted upon the express conditions that the person to whom it is granted, his agent, employees/and or workmen shall conform in all respects to all Becker County Ordinances. This permit may be suspended at any time upon violation of any ordinance or if the information provided in this application is found to be misleading or inaccurate.
- 9. Permits will be issued once the application fee has been paid. The application fee will be determined upon approval of the application.
- 10. All septic system installers must be licensed and certified by the State of Minnesota.
- 11. Prior to any cover up of a sewage system, a 24 hour notice must be given to the Becker County Planning and Zoning Office in order for inspection to be made.
- 12. A certificate of compliance will be issued for septic systems after inspection and approval by a Planning and Zoning Department Official.
- 13. Site permits are valid for six months from the date of issuance. Sewage Treatment Permits are valid for one year from the date of issuance.

I have read and fully understand the above instructions.	I hereby swear that all information provided in this
application is true and correct.	7-28-05

Applicant or Agent

Date