

St. Paul, MN 55155-4194

Compliance Inspection Form

Existing Subsurface Sewage Treatment Systems (SSTS)

Doc Type: Compliance and Enforcement

Inspection results based on Minnesota Pollution Control Agency (MPCA) requirements and attached forms - additional local requirements may also apply.

Submit completed form to Local Unit of Government (LUG) and system owner within 15 days

For local tracking purposes:
SCANING.

(Valid for 3 years from report date, unless shorter time frame outlined in Local Ordinance.) Reason(s) for noncompliance (check all applicable) Impact on Public Health (Compliance Component #1) - Imminent threat to public health and safety Cher Compliance Conditions (Compliance Component #3) - Imminent threat to public health and safety Tank Integrity (Compliance Component #2) - Falling to protect groundwater Cher Compliance Conditions (Compliance Component #3) - Falling to protect groundwater Cher Compliance Component #4) - Falling to protect groundwater Compliance Component #4) - Falling to protect groundwater Compliance Component #4) - Falling to protect groundwater Component #5) - Noncompliant Compliance Component #4) - Falling to protect groundwater Component #5) - Noncompliant Compliance Component #4) - Falling to protect groundwater Component #5) - Noncompliant Compliance Component #4) - Falling to protect groundwater Component #5) - Noncompliant Compliance Component #4) - Falling to protect groundwater Component #5) - Noncompliant Compliance Component #4) - Falling to protect groundwater Component #5) - Noncompliant Compliance Component #4) - Falling to protect groundwater Component #5) - Noncompliant County Request	System status on date (mm/dd/yyyy): 7/17/2019	No. P. College States
Impact on Public Health (Compliance Component #1) - Imminent threat to public health and safety Other Compliance Compliance Component #2) - Imminent threat to public health and safety Tank Integrity (Compliance Component #2) - Failing to protect groundwater Other Compliance Conditions (Compliance Component #3) - Failing to protect groundwater Other Compliance Component #4) - Failing to protect groundwater Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Opera	(Valid for 3 years from report date, unless shorter time	Noncompliant – Notice of Noncompliance (See Upgrade Requirements on page 3.)
Chter Compliance Conditions (Compliance Component #3) – Imminent threat to public health and safety Tank Integrity (Compliance Component #2) – Falling to protect groundwater Other Compliance Conditions (Compliance Component #3) – Falling to protect groundwater Other Compliance Component #4) – Falling to protect groundwater Operating permit/monitoring plan requirements (Compliance Component #5) – Noncompliant Property Information	Reason(s) for noncompliance (check all applicable)	
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Other Compliance Conditions (Compliance Component #3) — Failing to protect groundwater Soil Separation (Compliance Component #4) — Failing to protect groundwater Operating permit/monitoring plan requirements (Compliance Component #5) — Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) — Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) — Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) — Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) — Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) — Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) — Noncompliant Operating permit/monitoring plan requirements Operating permit/monitoring plan requirements Operating permit/monitoring	☐ Other Compliance Conditions (Compliance Component	#3) – Imminent threat to public health and safety
Goil Separation (Compliance Component #4) - Failing to protect groundwater		
Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Operating permit/monitoring plan requirements (Compliance Component #5) - Noncompliant Operating permit/monitoring plan requirements (Compliance Sec/Twp/Range: 170052000 Owner's phone:		
Property Information Parcel ID# or Sec/Twp/Range:170052000 Property address:15336 Blackhawk Rd. Audubon,MN 56511		
Property address: 15336 Blackhawk Rd. Audubon,MN 56511 Reason for Inspection: County Request Property owner: Joel Donner Owner's phone: Downer's representative: Representative phone: Downer's representative: Regulatory authority: Becker County Regulatory authority phone: 218-846-7314 Brief system description: 1500/2 comp tank with lift to mound drainfield. 375 sq. ft. Comments or recommendations: JUL 1 9 2019 ZONING Certification Thereby certify that all the necessary information has been gathered to determine the compliance status of this system. No determination of future system performance has been nor can be made due to unknown conditions during system construction, possible abuse of the system, inadequate maintenance, or future water usage. Inspector name: Phil Stoll Certification number: 7526 Business name: Stoll Inspections License number: 2982 Phone number: 218-839-1849 Necessary or Locally Required Attachments		
Property address: 15336 Blackhawk Rd. Audubon,MN 56511 Reason for Inspection: County Request Property owner: Joel Donner Owner's phone: Downer's representative: Representative phone: Downer's representative: Regulatory authority: Becker County Regulatory authority phone: 218-846-7314 Brief system description: 1500/2 comp tank with lift to mound drainfield. 375 sq. ft. Comments or recommendations: JUL 1 9 2019 ZONING Certification Thereby certify that all the necessary information has been gathered to determine the compliance status of this system. No determination of future system performance has been nor can be made due to unknown conditions during system construction, possible abuse of the system, inadequate maintenance, or future water usage. Inspector name: Phil Stoll Certification number: 7526 Business name: Stoll Inspections License number: 2982 Phone number: 218-839-1849 Necessary or Locally Required Attachments		
Property address:	Property Information Parcel ID	# or Sec/Twp/Range: 170052000
Owner's representative: Cocal regulatory authority: Becker County Regulatory authority phone: The system description: The system description:		
Description: Comments or recommendations: Description:	Property owner:Joel Donner	Owner's phone:
Acceptification Independent of the system performance has been nor can be made due to unknown conditions during system construction, possible abuse of the system, inadequate maintenance, or future water usage. Inspector name: Stoll Inspections Phone number: Stoll Required Attachments Phone number: Phone number: Phone number: Pagulatory authority phone. 218.846-7314 Regulatory authority phone. 21		
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	ossible abuse of the system, inadequate maintenance, or future was nspector name: Phil Stoll	
	nossible abuse of the system, inadequate maintenance, or future was name: Susiness name: Stoll Inspections	License number: 2982
☑ Soil boring logs ☐ System/As-built drawing ☑ Forms per local ordinance	nossible abuse of the system, inadequate maintenance, or future was inspector name: Phil Stoll	License number: 2982

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			(mm/dd/yyyy)
7.	Impact on Public Health— Compliance criteria:	Compliance compor	Verification method(s):
	System discharges sewage to the ground surface.	☐ Yes ☒ No	 Searched for surface outlet Searched for seeping in yard/backup in home
	System discharges sewage to drain tile or surface waters.	☐ Yes ⊠ No	☐ Excessive ponding in soil system/D-boxes ☐ Homeowner testimony (See Comments/Explanation)
	System causes sewage backup into dwelling or establishment.	☐ Yes ☒ No	☐ "Black soil" above soil dispersal system ☐ System requires "emergency" pumping
	Any "yes" answer above ind system is an imminent threa health and safety.		☐ Performed dye test ☐ Unable to verify (See Comments/Explanation) ☐ Other methods not listed (See Comments/Explanation)
	Comments/Explanation:		
2.	Tank Integrity – Compliance	component #2 of 5	
_	Compliance criteria:	· · · · · · · · · · · · · · · · · · ·	Verification method(s):
	System consists of a seepage pit, cesspool, drywell, or leaching pit.	☐ Yes ⊠ No	☑ Probed tank(s) bottom ☑ Examined construction records
	Seepage pits meeting 7080,2550 may be compliant if allowed in local ordinance.		Examined Tank Integrity Form (Attach)
	Sewage tank(s) leak below their designed operating depth. If yes, which sewage tank(s) leaks:	☐ Yes ⊠ No	☐ Observed liquid level below operating depth☐ Examined empty (pumped) tanks(s)☐ Probed outside tank(s) for "black soil"
-	Any "yes" answer above indi system is failing to protect gi		☐ Unable to verify (See Comments/Explanation)☐ Other methods not listed (See Comments/Explanation)
-	Comments/Explanation:		
3.	Other Compliance Condition	ns – Compliance com	ponent #3 of 5
	a. Maintenance hole covers are dama	aged, cracked, unsecured	d, or appear to be structurally unsound. ☐ Yes* ☒ No ☐ Unknown
	b. Other issues (electrical hazards, etc.) *System is an imminent threat to		ersely impact public health or safety. ☐ Yes* ☒ No ☐ Unknown
	Explain:		
	c. System is non-protective of ground *System is failing to protect ground		ns as determined by inspector . ☐ Yes* ☒ No
	Explain:		

Property address: 15336 Blackhawk Rd. Audubon,MN 56511 Inspector initials/Date: PJS | 7/17/2019

Property address: 15336 Blackhawk Rd. Audu	ıbon,MN 56511	Inspector initials/Date: PJS 7/17/2019 (mm/dd/vyyy)
		(тт/аа/уууу)
4. Soil Separation - Compliance co	omponent #4 of 5	
Date of installation: 10/8/2007 (mm/dd/yyyy)	Unknown	Verification method(s):
Shoreland/Wellhead protection/Food beverage lodging?	⊠ Yes □ No	Soil observation does not expire. Previous soil observations by two independent parties are sufficient, unless site conditions have been altered or local
Compliance criteria:		requirements differ.
For systems built prior to April 1, 1996, and	Yes No	☐ Conducted soil observation(s) (Attach boring logs)
not located in Shoreland or Wellhead Protection Area or not serving a food,		Two previous verifications (Attach boring logs)
beverage or lodging establishment:		☐ Not applicable (Holding tank(s), no drainfield)
Drainfield has at least a two-foot vertical separation distance from periodically		☐ Unable to verify (See Comments/Explanation) ☐ Other (See Comments/Explanation)
saturated soil or bedrock.		42
Non-performance systems built April 1, 1996, or later or for non-performance systems located in Shoreland or Wellhead Protection Areas or serving a food, beverage, or lodging establishment:	⊠ Yes □ No	Comments/Explanation: Mound Height approx. 32" 10 14 13 15 15 15 15 15 15 15
Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*		
"Experimental", "Other", or "Performance"	☐ Yes ☐ No	Indicate depths or elevations
systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules (7080. 2350 or 7080.2400 (Advanced Inspector		A. Bottom of distribution media 15"
License required)		B. Periodically saturated soil/bedrock >51"
Drainfield meets the designed vertical separation distance from periodically		C. System separation >36"
saturated soil or bedrock.		D. Required compliance separation* 36"
Any "no" answer above indicates t failing to protect groundwater.	he system is	*May be reduced up to 15 percent if allowed by Local Ordinance.
		_
5. Operating Permit and Nitroge	n BMP* – Complia	nce component #5 of 5 Not applicable
Is the system operated under an Operatin	g Permit?	s No If "yes", A below is required
Is the system required to employ a Nitrogo		s 🗌 No If "yes", B below is required
BMP = Best Management Practice(s)	specified in the system	n design
If the answer to both questions is "	no", this section do	es not need to be completed.
Compliance criteria		
a. Operating Permit number:		[] Vec [] No
Have the Operating Permit requirem	ents been met?	Yes No
b. Is the required nitrogen BMP in plac	e and properly function	ing? Yes No
Any "no" answer indicates Non	compliance.	
discontinued within ten months of receipt of this ground water, the system must be upgraded, re is not failing as defined in law, and has at least its use discontinued, notwithstanding any local	s notice or within a shorter eplaced, or its use disconti two feet of design soil sep ordinance that is more str	ublic health and safety (ITPHS) must be upgraded, replaced, or its use period if required by local ordinance. If the system is failing to protect nued within the time required by local ordinance. If an existing system paration, then the system need not be upgraded, repaired, replaced, or ict. This provision does not apply to systems in shoreland areas, age, and lodging establishments as defined in law.

	Parcel Number: Date & Initial:	170052000 17119 PJS		
drainfields, v	drawing which includes and identifies a	System Drawing graphic scale in feet or indicates all setback distance depth of wells), dwelling and non-dwelling structures	es, all septic/holding/lift tanks, s, lot lines, road right-of-ways.	
1		15		
1	Deep Ø=	Well		
				375°
		7	MK 15FF	Mound 2-20th
1		\ \ \	500/2	
1		Ow -		*SB
		Durennia		
1		Di		
(Blackhowk Rd.	
	Additional Comments:	Septiz in Compliance		

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

along #1

UCT N 8 711117

Onsite Septic System Site Evaluation/Design

1. PROPERTY DATA (as it appears on	the tax statement)	1 871117
Parcel Number(s) of property system will be inc	talled 6017190	70.
(if parcel is a new split and a parcel number ha	s not yet been issued, indicate the	main parcel number from which the new parcel hi
been split from) Section Township 120	// -	man purceying
Section 5 Township 138 Range	<u> 42</u> Township Name <u>Lake</u>	theotophy the
Lake Name <u>Leif</u>	Lake Classification 60	20
Legal Description: 6.6 Ac PT God	a lat le come c.	CAN Day
		U CON 365 8
Project Address: 15328 Black Ha	wk Rd.	
2. PROPERTY OWNED INCODMATE		
- WOLDKI'L OWNER INFORMATI	ON (as it appears on the tax statem	ent, purchase agreement or deed).
Owner's First Name George	Owner's Last No.	ma de d'Ed.
Marie Additional Company of the Comp	Owner 3 Last Ivai	ne oo yan
Mailing Address 650 1St Au N 1	City, State, Zip _d	Fargo NB 58102
Phone Number 201-371-6484		
3. DESIGNER/INSTALLER INFORMA	TION	
Designer Name Rick Renner		-
	***************************************	Executing License # 2567
Address 14306 CO Hwy H. Anduke	Phone Number 43 9-3	514
Installer Name Same		License #
		License #
Address	Phone Number	
4. SYSTEM DESIGN INFORMATION		
Date of Site Evaluation 10-3-07		:
EXISTING SYSTEM STATUS – Check One	en e	
omethic brother States – Check One	What will new system serve? C	heck one
X No existing system-new structure	Dwelling	
Cesspool/Seepage	Resort/Commercial	•
Failing (other than cesspool)	CG.n=nercial (non resort)	
Undersized	X Other - explain below	
Replacement or repair to existing		
Design Flow 450 Illons Per Day	The state of the s	
Number of Bedrooms 3	Well Depth None	Original Soil Compacted Soil
Garbage Disposal Yes No	Depth of other wells within	Type of Soil Observation
Grinder Pump in House Yes × No	100 ft of system	Pit Probe & Boring
ift station in HouseYes X No		Depth to Restricting Layer 24
Management of the Control of the Con	and the second of the second o	Maximum Depth of System Monnel

Size of All T Be installed	anks to		Type of Drainfield M	edium	Type of Alarr	n indo	200
1000gal Se	ntic Tank		to be used Chamber		Size of Lift P	ump <u> </u>	
500 gal Li			H10	EQ36	Size of Lift L	ine 🏒 📉	
gal Ho			Drainfield Roc				
	her Tanks		Rock I				
S			Gravelless	Sepui		* •	* *
			Experimental				
			No Drainfield				
T (D)		-11-1 0: 0:					
Trencl	nfield to be inst	alled Size of	Drainfield sq ft to be in	stalled	*** . ~ *	SETBACKS	
At-gra		· 	sq.ft	700-4	TAN		RAINFIELD
Pressu		***************************************	sq ft sq ft	Distance to Well		<u>so'</u>	> 50'
Seepa		***************************************	sq ft	Distance to Buil Distance to Prop		<u>o'</u>	> 75
x Mound	-	77	sq ft	Distance to OHV		<u>o</u>	> 10' > 84'
***************************************				Distance to Pres		20'	7 20'

Perc Rate		Soil Sizing	Factor 2.2	*If SSF	other than .83, a	ttach Perc Test	Data
Depth	Texture	Color	Structure	Depth	Texture	Color	Structure
0-12"	Top Soil	10 y R 2/2	Blocky	0-14"	TOP Soil	10 1/2 2/2	Blocky
12"-22"	Clay	10 YR 3/6	Block y	14-27"	clay	10 YR 3/6	Blocky
22" - 47"	Clay loom	10 YR 4/6	Blocky	22-47"	Clay ban	1048416	Blocky
1 47'-84"	clay loam	10 YR 5/6	Blockey	47' -84"	clay long	10 VR 5/6	Blocky
5. DES	IGNER'S CEF	RTIFIED STAT	TEMENT				
1. Rick	Renner	a .	certify that I have co	ampleted the preceding	a decian work i	n basardanas iv	Sell Will
	ne of Designer)			simple and procedure	ig design work is	il accordance w	ior arr
applicable red	quirements (incl	uding, but not	limited to Minnesota C	hapter 7080 and the	Becker County	Individual Sew	age Treatment
System Ordin	ance).			•		•	
					_	~	
buck	Den	~~				2-8-07)
Signature of I	Designer				Date		
*******	****	********	******FOR OFFICE	TOTE CAPT AT SECTION.	********		
Application Ap	proved by:	Tand +)	GACE OFFICE		vate: 10/	9 107	****
Amount Paid			Receipt Number	D	Permit 1	Jumber	
			E	14x 856 -	377687	(umoo)	
******	******	*****	*********	********	********	******	*****
			CERTIFICATE O	FCOMPLIANCE			
() Cortificat	e Is Hereby Den	in a	and the second second	A STATE OF THE STA		*	
			on the Amuliantian ad-	J. J	. ~		
With property	maintenance t	useu Daseu up us system can h	on the Application, ad e expected to function	uchaum from, plans,	specifications a	ing all other su	pporting data.
\ \		MA	o oxposion to function !	oausiaciory, nowever,	, uns is not a gua	irantee.	/ /
Jan	hat s	oll	\mathcal{I}	ISTS AS	Decter	101	16/07
Signature			Title			Date.	
(Certificate of	Compliance is	not valid uyiless	signed by a Registered	Qualified Employee)		1 De all	7
Date System I	nstalled	10/16/	07	Inspected by	-fauil	expell	
		' / /		(/	U	



BECKER COUNTY

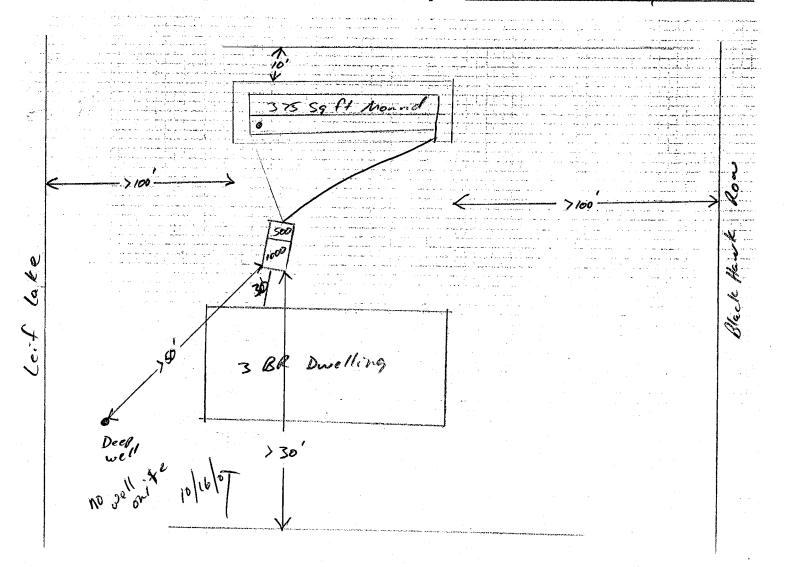
835 LAKE AVENUE, P.O. BOX 787 **DETROIT LAKES, MINNESOTA 56502-0787** (218) 846-7314

SKETCH PLAN FORM H

Tax Parcel No.

Application No.

Please be as complete as possible	 Include all of the items ! 	isted below where applicable.	
GENERAL CHECKLIST		ATER RESOURCE CHECKLIST	
[] scale	I	location of ordinary	Scale of Diagram: 1 inch =feet
[] north arrow		high water level (OHWL)	Drawing By: Rick Ronner Date of Drawing: 10-8-07
[] lot dimensions	· · · · · · · · · · · · · · · · · · ·	location of present	Drawing By:
[] structure location		water line	10-8-07
[] side lot setback	[]	setback from OHWL	Date of Drawing:
[] road setback		location of highest	
[] septic tank location		known water level	
[] drainfield location	[]	existing local drainage	
[] location of all wells	[]	location of wetland areas	
within 100' of drainfield			
[] fill & grading limits			
[] vegetation alteration limits			
Remarks:			
			10
		Signature	Kernes
and the second of the second o			



. M	ound Desigr) Works	sheet (For	flows up	to 1200	gpd)
All	boxed rectangles mu	st be entere	d, the rest will be o	calculated.		
A.	FLOW		_			
	Estimated		gpd (see figure A	•		
	or measured	L	x 1.5 (safety fac	ctor) =	450	gpd
D	SEPTIC TANK LIQ		ico			
B.	Septic tank capacity		1500	Tactions (see t	iauro (° 1)	
	Septile talik capacit	y	1300	_gallons (see f	igule C-1)	
	C-1 Septic Tank C	apacity in G	allons	·		7
	Number of	Minimum	Capacity with	Capacity with		7
	Bedrooms	Capacity	Garb. Disp.	Disp. and Lift		
	2 or less	750	1125	1500		7
	3 or 4	1000	1500	2000		
	5 or 6	1500	2250	3000		ļ
	7, 8 or 9	2000	3000	4000		_
^	COU C /Cito avalua	diam alada)				
C. 1.	SOILS (Site evaluated Depth to restricting	,		3	feet	
2.	Depth of percolation	•		24	inches	
3.		,	clay loam	24	Tillones	
	Soil loading rate (se		······································	0.45	gpd/ft²	
7.	Percolation rate	origano D	60	MPI	18ba ii	
5.	% Land Slope	2	%	J'''' '		
D. 1.	ROCK LAYER DIM Multiply average de	sign flow (A) 450	gpd x 0.83 ft ^{2/} gpd	=	373.5	_ft²
		0.83 ft ² /gpd	X	12] =	ft
		I	LLR Chart		1	
				lus.	1	
		r	Perk Rate	LLR	4	
		ı	<120 MPI	<=12	Ì	
		Ĺ	>=120 MPI	 <=6		
3.	Length of rock layer	= area divid	ed by width =			
		373.5	ft² /	10	feet =	37.5 feet
E.	ROCK VOLUME				-	
1.	Multiply rock area by	y rock depth	to get cubic feet o	f rock		
	-	373.5	Χ	1	_ft =	<u>373.5</u> ft ³
2	Diside 43 h., 07 43/	434				
۷.	Divide ft ³ by 27 ft ³ /yo	_	•		.3	
		373.5	$ft^3 / 27 =$	13.8	_yd ³	
2	Multiply publication	hu 4 4 4	i walaht -f 1- !	.		
3.	Multiply cubic yards					
	_	13.8	yd ³ X 1.4 to	n/yd³ =	19.4	tons
F.	ABSORPTION WID		on sotio (aco Ei-	ro D 22\ 4i	ook laws	المامات
1.	Absorption width equ	าตเอ ตกรถเป็น	on ratio (see Figu	- D-33) umes r	our layer W	านป

UPSLOPE a. Determine depth of clean sand at upslope edge of rock layer = 3 feet minus distance to restricting layer(C1) 3	b. Mound height at the upslope edge of rock layer = depth of clean sand for separation (G2a) at upslope edge plus depth of rock layer (1 foot) to depth of cover (1 foot) 1 ft + 1ft + 1 ft =	Downsi	absorption width = absorption width minus rock layer width feet - 10 feet = 17 feet	
b. Mound height at the upslope edge of rock layer = depth of clean sand for separation (G2a) at upslope edge plus depth of rock layer (1 foot) to depth of cover (1 foot) at the upslope edge plus depth of rock layer (1 foot) to depth of cover (1 foot) at the upslope edge plus depth of rock layer (1 foot) to depth of cover (1 foot) at the upslope edge plus depth of rock layer (1 foot) to depth of cover (1 foot) at the upslope edge plus depth of clean sand for slope (see figure D-34). 3.7	b. Mound height at the upslope edge of rock layer = depth of clean sand for separation (G2a) at upslope edge plus depth of rock layer (1 foot) to depth of cover (1 foot) at upslope edge plus depth of rock layer (1 foot) to depth of cover (1 foot) at upslope edge plus depth of rock layer (1 foot) to depth of cover (1 foot) at upslope berm multiplier based on land slope (see figure D-34). 3.7		ound size	
b. Mound height at the upslope edge of rock layer (1 foot) to depth of cover (1 foot) 1 ft + 1ft + 1 ft =	b. Mound height at the upslope edge of rock layer = depth of clean sand for separation (G2a) at upslope edge plus depth of rock layer (1 foot) to depth of cover (1 foot) 1 ft + 1ft + 1ft + 1ft =	a. Dete	edepth of clean sand at upslope edge of rock layer = 3 feet minus distance to restricting layer(C1)	
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at upslope edge plus depth of rock layer (1 foot) to depth of cover (1 foot) 1 ft + 1 ft + 1 ft =	at upslope edge plus depth of rock layer (1 foot) to depth of cover (1 foot) 1 ft + 1 ft + 1 ft =			
1 ft + 1ft + 1 ft =	1 ft + 1ft + 1 ft =			
2. Upslope berm multiplier based on land slope (see figure D-34) Select berm multiplier of 3.7 d. Upslope width = berm multiplier(G2c) times upslope mound height(G2b): 3.7	2. Upslope berm multiplier of 3.7 3.7 3.7 3.7 3.7 3.7 3.7 4. Upslope width = berm multiplier(G2c) times upslope mound height(G2b): 3.7 3.7 3.7 4. Upslope width = berm multiplier(G2c) times upslope mound height(G2b): 3.7 3.7 3.7 4. The set operation = rock layer width (D2) times percent landslope(C5) / 100 10 10 10 10 10 10 10 10 10	at upsl		
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d. Upslope width = berm multiplier(G2c) times upslope mound height(G2b): 3.7	d. Upslope width = berm multiplier(G2c) times upslope mound height(G2b): 3.7			
3.7 x 3 ft = 11.1 feet DOWNSLOPE a. Drop in elevation = rock layer width (D2) times percent landslope(C5) / 100 10 ft x 2 % / 100 = 0.2 feet a. Downslope mound height = depth of clean sand for slope difference (G2e) at downslope rock edge plus the mound height at the upslope edge of rock layer (2b) 0.20 ft + 3 ft = 3.2 feet g. Downslope berm multiplier based on percent land slope (see Figure D-34) a. Downslope width = downslope multiplier(G2g) times downslope mound height(G2f) 0 x 3.2 = 0.0 feet Total mound width is the sum of upslope (G2d) width plus rock layer width (D2) plus downslope width (G2i) 11.1 ft + 10.0 ft + 17.0 ft = 38.1 feet Total mound length is the sum of upslope width (G2d) plus rock layer length (D3) slus upslope width (G2d) 11.1 ft + 37.5 ft + 11.1 ft = 59.7 feet Final Dimensions (slope >1%) 38.1 ft x 59.7 ft	3.7 x 3 ft = 11.1 feet DOWNSLOPE a. Drop in elevation = rock layer width (D2) times percent landslope(C5) / 100 10 ft x 2 % / 100 = 0.2 feet a. Downslope mound height = depth of clean sand for slope difference (G2e) at downslope rock edge plus the mound height at the upslope edge of rock layer (2b) 0.20 ft + 3 ft = 3.2 feet a. Downslope berm multiplier based on percent land slope (see Figure D-34) a. Downslope width = downslope multiplier(G2g) times downslope mound height(G2f) 0 x 3.2 = 0.0 feet 3. Select greater of G1 and G2h as the downslope width 17.0 feet Total mound width is the sum of upslope (G2d) width plus rock layer width (D2) plus downslope width (G2l) 11.1 ft + 10.0 ft + 17.0 ft = 38.1 feet 3. Total mound length is the sum of upslope width (G2d) plus rock layer length (D3) slus upslope width (G2d) 11.1 ft + 37.5 ft + 11.1 ft = 59.7 feet Final Dimensions (slope >1%) 38.1 ft x 59.7 ft	Jeieot L	mulipher of 5.7	
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			71.1 10 07.0 10 71.1 10 00.1 1000	
		inal Dir	sions (slope >1%) 38.1 ft x 59.7 ft	
by certify that I have completed this work in accordance with all applicable ordinances, rules and laws	by certify that I have completed this work in accordance with all applicable ordinances, rules and laws			
-yy Harris series and trend in accordance that all applicable of all all all all a later	-yy tale sompleted and from it described that all applicable of alliances; following that	ov certi	at I have completed this work in accordance with all applicable ordinances, rules and laws	
		,	The state of the s	

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

Onsite Septic System Site Evaluation/Design

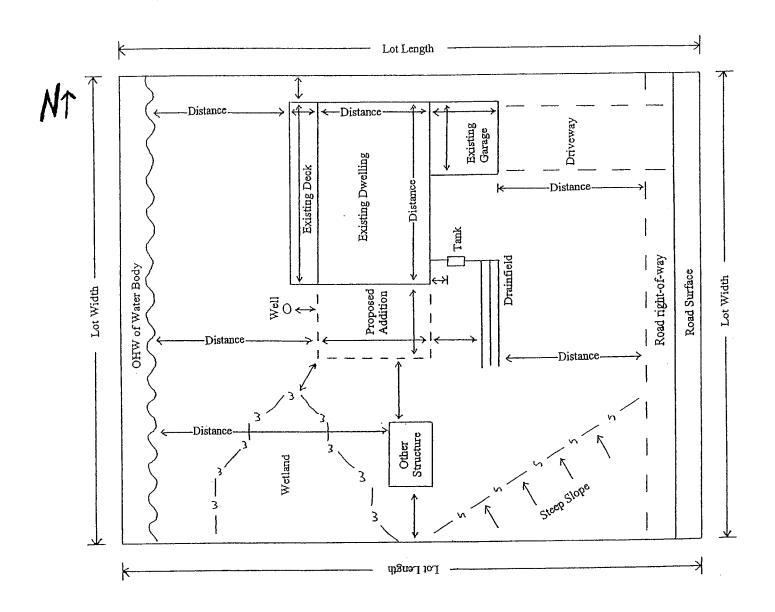
PROPERTY DATA (as it appears on the Parcel Number(s) of property system will be installed	\mathcal{M}	2000
(if parcel is a new split and a parcel number has no been split from)		
Section 5 Township 138 Range 4		
Lake Name <u>Leif</u>	Lake Classification D	
Legal Description: 6.6 Ac Pt Goo	Lot 6: Comm Sw	cor sec s
Project Address: 15328 Black Haw	k Rd.	
2. PROPERTY OWNER INFORMATION		
Owner's First Name <u>George</u>	Owner's Last Name	Wynn
Mailing Address 650 15+ As N 114	City, State, Zip Fa.	190 ND 58102
Phone Number <u>70/- 37/ - 6484</u>		
3. DESIGNER/INSTALLER INFORMATI	. — .	
Designer Name Rick Renner	Company Name Renner	Excavating License # 2567
Address 14306 Co Hwy 11 Andubor		
Installer Name	Company Name	License #
Address	Phone Number	· · · · · · · · · · · · · · · · · · ·
4. SYSTEM DESIGN INFORMATION		
Date of Site Evaluation 10-2-06		
EXISTING SYSTEM STATUS – Check One	What will new system serve? Chec	ck one
No existing system-new structure Cesspool/Seepage Failing (other than cesspool)	Dwelling Resort/Commercial Commercial (non resort)	
Undersized Replacement or repair to existing	X_Other — explain below Condos Commn	xity System
Design Flow Gallons Per Day Number of Bedrooms / \mathbb{g} Garbage Disposal Yes No Grinder Pump in House Yes No Lift station in House Yes No	Well Depth <u>None</u> Depth of other wells within 100 ft of system	Original Soil X Compacted Soil Type of Soil Observation Pit Probe X Boring Depth to Restricting Layer 24' Maximum Depth of System Maximum

Size of All T	anks to		Type of Drainfield	Medium	Type of Alarr	n out do	or
Be installed			to be used		Size of Lift P	ump <u>2 </u>	
5000 gal Se			Chamber		Size of Lift L	ine <i>2 </i>	,,
1 <u>500</u> gal Li			H10_	EQ36			
	olding Tank		Drainfield 1	Rock			
2 <u>000</u> gal Ot	her Tanks		Ro	ck Depth			
			Gravelless				
			Experiment	al			
			No Drainfie	eld			
-		alled Size of I	Orainfield sq ft to b	e installed		SETBACKS	
Trencl			sq ft		TAN		RAINFIELD
At-gra			sq ft	Distance to V		50'	>50
	ıre Bed		sq ft	Distance to E		<u>'0'</u>	> 75'
	ge Bed		sq ft	Distance to F	Property Line>	10'	> 10'
<u> </u>	d	224	sq ft	Distance to C		84"	> 847
				Distance to P	Pressure Line>	20'	> 20'
Perc Rate		Soil Sizing I	Factor 2.2	*IfS	SF other than .83, a	ttach Perc Tes	t Data
Depth	Texture	Color	Structure	Depth	Texture	Color	Structure
4		,	a		6.4		2//
0-12"	l .	10 y R 2/2		0-14"	Top Soil	10 YR 2/:	2 Blocky
12"-22"	clay	10 YR 3/6	Blocky	14-27"	clay	10 YR 3/4	Blocky
22" - 47"	Clay loun	10 YR 4/6	Blocky	27-47"	Clay ban	10414/6	Blocky Blocky Blocky
47'-84"	clay boom	10 YR 4/6	Blocky	47"-84		10 VR 5/6	Blocky
I, <u>Rick</u> (Print Nar	Menner me of Designer) quirements (inc	1	certify that I hav	ve completed the prec			•
					1	5-12-0	(0
Signature of I	Designer	~			Date	J-10 0	
•	· ·						
******	*****	******	*****FOR OFFIC	CE USE ONLY ****	***********	*****	*****
Application Ap	oproved by:		D 1 - 27 - 1	er	_ Date:		
Amount Paid			Keceipt Numbe	er	Permit	Number	
*****	*****	******	******	*******	******	*****	*****
			CERTIFICATI	E OF COMPLIANC	E		
() G :: "		• •			•		
	te Is Hereby Der		.1 4 11	11 1 0			
				, addendum from, pl			supporting data.
With property	y maintenance, t	nis system can b	be expected to funct	ion satisfactory, howe	ever, this is not a gu	narantee.	
Claus = t				itle			
Signature	f Compliance !-	not valid unlass				Date	
				ered Qualified Emplo	• /		
Date System	installed			Inspected b	У		

N	3 More 3 BR Dwellings total of 6-3 Bedroom condos with Carba A Disposals
5	3 Ba Dwelling
	3BR Dwelling
· · ·	3 BR Dwelling
	Septic Septic Septic Rump tank Alt Pumps
>7 ⁵ '	10'x112' Rodhal >20'
•	10'x112' Rock bed
######################################	co Hwy le Row >10'

Leit Lake

SITE PLAN EXAMPLE



ATTENTION PERMIT APPLICANTS

The Becker County Zoning Ordinance requires that any permit which involves the movement of fill material or excavation have erosion control measures be in place before construction begins and maintained until after construction is completed. Seeding and mulch must be applied within 14 days of completion of construction.

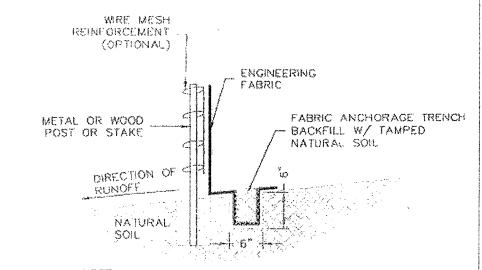
On the back of this sheet are typical examples of how silt fences and bale check dams should be installed. Silt fences should be used on the down grade side of all construction projects to prevent sediment from leaving the site or entering a lake or river. Bale check dams are effective in slowing water and preventing erosion in ditches and drainageways.

Failure to maintain erosion control measures will result in a cease and desist order on the project, assessment of an administrative fee, and an approved erosion control plan before work may resume.

Thank you for helping preserve our natural resources. Please contact our office for recommendations on seeding and mulch for your project:

Becker County Zoning 835 Lake Avenue Detroit Lakes, MN 56501 218-846-7314

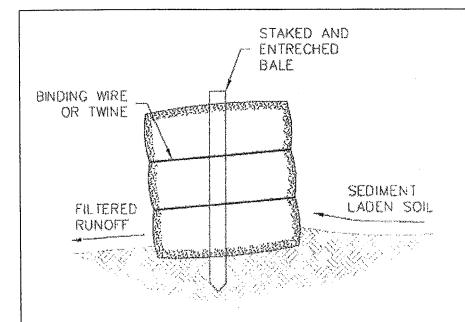
Website: www.co.becker.mn.us



NOTE:
DEPENDING UPON CONFIGURATION, ATTACHED
FABRIC TO WRE MESH WITH HOG RINGS, STEEL
POSTS W/ TIE WRES, OR WOOD POSTS W/
STAPLES.

SILT FENCE (TYP. INSTALLATION)

SCALE: NONE



CROSS SECTION OF A PROPERLY INSTALLED STRAW BALE

TYP. STRAW BALE CHECK

SCALE: NONE

	FLOW Estimated	2700	and (and faure)	1.41		
	or measured	2100	gpd (see figure A x 1.5 (safety fa	•	0	and
	or modeling	L	1 × 1.0 (salety la	olorj –		gpd
•	SEPTIC TANK LIQ					
	Septic tank capacit	y	3150	_gallons (see f	igure C-1)	
	C-1 Septic Tank C	anacity in C	allono.			
	Number of	Minimum	Capacity with	Capacity with	······································	
	Bedrooms	Capacity	Garb. Disp.	Disp. and Lift		ŀ
	2 or less	750	1125	1500	· · · · · · · · · · · · · · · · · · ·	-
	3 or 4	1000	1500	2000		1
	5 or 6	1500	2250	3000		
	7, 8 or 9	2000	3000	4000		_
	SOILS (Site evalua	tion datal				
1.	Depth to restricting	•		3	Treet	
2.	Depth of percolation	•		12	inches	
3.	Texture		clay loam	†	7	
4.	Soil loading rate (se	e Figure D-3	33)	0.45	gpd/ft ²	
	Percolation rate		55	MPI		
5.	0/ Lond Clans		~ /	_		
•	% Land Slope ROCK LAYER DIM Multiply average de	ENSIONS sign flow (A) 2700	gpd x 0.83 ft ^{2/} gpd	=	2241.0	_ft²·
1.	ROCK LAYER DIM Multiply average de	ENSIONS sign flow (A) 2700 er width = 0.	by 0.83 to obtain gpd x 0.83 ft ²¹ gpd	= r Loading Rate (2241.0	_ft ² LLR chart)
1.	ROCK LAYER DIM Multiply average de	ENSIONS sign flow (A) 2700	by 0.83 to obtain gpd x 0.83 ft ²¹ gpd 83 ft ² /gpd x Linea	=	2241.0	_ft²·
1.	ROCK LAYER DIM Multiply average de	ENSIONS sign flow (A) 2700 er width = 0.4 0.83 ft ² /gpd	by 0.83 to obtain gpd x 0.83 ft ²¹ gpd 83 ft ² /gpd x Linea	= r Loading Rate (2241.0	_ft ² LLR chart)
). 1.	ROCK LAYER DIM Multiply average de	ENSIONS sign flow (A) 2700 er width = 0.4 0.83 ft ² /gpd	by 0.83 to obtain gpd x 0.83 ft ² /gpd 83 ft ² /gpd x Linea x LLR Chart Perk Rate	= r Loading Rate (12 LLR	2241.0	_ft ² LLR chart)
1.	ROCK LAYER DIM Multiply average de	ENSIONS sign flow (A) 2700 er width = 0.0 0.83 ft²/gpd	by 0.83 to obtain gpd x 0.83 ft ^{2/} gpd 83 ft ² /gpd x Linea x LLR Chart Perk Rate <120 MPI	= r Loading Rate (12	2241.0	_ft ² LLR chart)
1.	ROCK LAYER DIM Multiply average de	ENSIONS sign flow (A) 2700 er width = 0.0 0.83 ft²/gpd	by 0.83 to obtain gpd x 0.83 ft ² /gpd 83 ft ² /gpd x Linea x LLR Chart Perk Rate	= r Loading Rate (12 LLR	2241.0	_ft ² LLR chart)
1. 2.	ROCK LAYER DIM Multiply average de	ENSIONS sign flow (A) 2700 er width = 0.0 0.83 ft ² /gpd	by 0.83 to obtain gpd x 0.83 ft ^{2/} gpd 83 ft ² /gpd x Linea x LLR Chart Perk Rate <120 MPI >=120 MPI	= LLR	2241.0	_ft ² LLR chart)
1. 2.	ROCK LAYER DIM Multiply average de	ENSIONS sign flow (A) 2700 er width = 0.0 0.83 ft²/gpd	by 0.83 to obtain gpd x 0.83 ft ^{2/} gpd 83 ft ² /gpd x Linea x LLR Chart Perk Rate <120 MPI >=120 MPI	= r Loading Rate (12 LLR <=12 <=6	2241.0 (LLR) (see	_ft ² LLR chart) 10.0ft
1. 2.	ROCK LAYER DIM Multiply average de Determine rock layer Length of rock layer	ENSIONS sign flow (A) 2700 er width = 0.0 0.83 ft²/gpd	by 0.83 to obtain gpd x 0.83 ft ^{2/} gpd 83 ft ² /gpd x Linea x LLR Chart Perk Rate <120 MPI >=120 MPI	= LLR	2241.0	_ft ² LLR chart)10.0ft
1. 2.	ROCK LAYER DIM Multiply average de Determine rock layer Length of rock layer	ENSIONS sign flow (A) 2700 er width = 0. 0.83 ft²/gpd = area divid 2241	by 0.83 to obtain gpd x 0.83 ft ^{2/} gpd 83 ft ² /gpd x Linea x LLR Chart Perk Rate <120 MPI >=120 MPI ed by width = tt ² /	= r Loading Rate (2241.0 (LLR) (see	_ft ² LLR chart) 10.0ft
	ROCK LAYER DIM Multiply average de Determine rock layer Length of rock layer	ENSIONS sign flow (A) 2700 er width = 0.0 0.83 ft²/gpd = area divid 2241 frock depth	by 0.83 to obtain gpd x 0.83 ft ^{2/} gpd x Linea x LLR Chart Perk Rate <120 MPI >=120 MPI ed by width = tt ² / to get cubic feet o	= r Loading Rate (_ft ² LLR chart) 10.0ft 225.0feet
1. 2.	ROCK LAYER DIM Multiply average de Determine rock layer Length of rock layer	ENSIONS sign flow (A) 2700 er width = 0. 0.83 ft²/gpd = area divid 2241	by 0.83 to obtain gpd x 0.83 ft ^{2/} gpd 83 ft ² /gpd x Linea x LLR Chart Perk Rate <120 MPI >=120 MPI ed by width = tt ² /	= r Loading Rate (2241.0 (LLR) (see	_ft ² LLR chart) 10.0ft
1. 2.	ROCK LAYER DIM Multiply average de Determine rock layer Length of rock layer ROCK VOLUME Multiply rock area by	ENSIONS sign flow (A) 2700 er width = 0.4 0.83 ft²/gpd = area divid 2241 / rock depth 2241	by 0.83 to obtain gpd x 0.83 ft ² /gpd 83 ft ² /gpd x Linea x LLR Chart Perk Rate <120 MPI >=120 MPI to get cubic feet of X	= r Loading Rate (_ft ² LLR chart) 10.0ft 225.0feet
2.	ROCK LAYER DIM Multiply average de Determine rock layer Length of rock layer	ENSIONS sign flow (A) 2700 er width = 0.0 0.83 ft²/gpd = area divide 2241 frock depth 2241 d³to get cubi	by 0.83 to obtain gpd x 0.83 ft ^{2/} gpd x 1.83 ft ^{2/} gpd x Linea x LLR Chart Perk Rate <120 MPI >=120 MPI ed by width = ft ² / to get cubic feet of X c yards	= r Loading Rate (_ft ² LLR chart) 10.0ft 225.0feet
1. 2.	ROCK LAYER DIM Multiply average de Determine rock layer Length of rock layer ROCK VOLUME Multiply rock area by	ENSIONS sign flow (A) 2700 er width = 0.4 0.83 ft²/gpd = area divid 2241 / rock depth 2241	by 0.83 to obtain gpd x 0.83 ft ^{2/} gpd x 1.83 ft ^{2/} gpd x Linea x LLR Chart Perk Rate <120 MPI >=120 MPI ed by width = ft ² / to get cubic feet of X c yards	= r Loading Rate (_ft ² LLR chart)10.0ft225.0feet
	ROCK LAYER DIM Multiply average de Determine rock layer Length of rock layer ROCK VOLUME Multiply rock area by	ENSIONS sign flow (A) 2700 er width = 0.0 0.83 ft²/gpd = area divid 2241 frock depth 2241 d³ to get cubic 2241.0 from	by 0.83 to obtain gpd x 0.83 ft ^{2/} gpd x linea x LLR Chart Perk Rate <120 MPI >=120 MPI to get cubic feet c X c yards t³ / 27 =	= r Loading Rate (_ft ² LLR chart) 10.0ft 225.0feet

	MOUND SLOPE V							
	Downslope absorp	tion width	ı = absorp	otion width	minus rock laye	er width		
	27	_feet	-	10	feet =	17	_feet	
	Calculate mound s	ize						
	a. Determine dept	of clean	sand at u	ipslope ed	ge of rock laver	= 3 feet minu	s distance to rest	ricting laver(C1)
	3	_ ft -	*****	3		1	_feet	
	b. Mound height at	the upslo	pe edge	of rock lav	er ≃ denth of cle	ean sand for s	senaration (G2a)	
	at upslope edge p							
		•		t+1ft=	3	feet		
	c. Upslope berm m	ultinlier h	acad on la	and slone	lean figura D 24	4		
	Select berm multiple		aseu on a	3.57	See ligure D-34	<i>)</i>		
	Coloot Bollin Malapi	101 01	L	0.07				
	d. Upslope width =	berm mul	ltiplier(G2	c) times u	pslope mound he	eight(G2b):		
		3.57		X	3	ft =	10.7feet	
	DOWNSLOPE							
		- rook lo	vor width	(DO) time		(05) (400		
	e. Drop in elevation		yer widin ft					
				X	3	_ % / 100 =	feet	
	f. Downslope moun at downslope rock o				•	, ,	yer (2b)	
		0.30	ft	+	3	ft =	3.3 feet	
(g. Downslope berm	multiplier	based or	n percent l	and slope (see F	Figure D-34)		4.54
Ì	h. Downslope width	= downsi	ope multi	plier(G2g)	times downslop	e mound heig	aht(G2f)	
		4.54		X	3.3	_ =	15.0 feet	
:	Calant granter of (24 and 01	0h aa 4h a	da	! .!!!	-	47.0	
•	. Select greater of (a i aliu Ga	zn as we	downslop	e widin	•	17.0 feet	
į	. Total mound width	is the su	m of upsi	ope (G2d)	width plus rock	laver width (F)2) nius downsion	ne width (G2i)
•		10.7	ft		10.0	ft +	17.0 ft =	37.7 feet
	•						**	
k	k. Total mound leng	th is the s	um of up:	slope widtl	n (G2d) plus rocl	k layer length	(D3)	
ŗ	olus upslope width (,						
		10.7	ft	+	225.0	_ft+ _	10.7 ft =	feet
F	inal Dimensions (s	slope >1%	5)		37.7	7 ft x	246.4 ft	The state of the s

)	by certify that I have	e complet	ed this wo	ork in acco	ordance with all a	applicable ord	linances, rules an	d laws
	-	•					,	- -
			(signa			(license #)		



APTLICATION FOR SEWAGE SYSTEM

CERTIFICATE OF COMPLIANCE
With The Becker County Zoning Ordinance

Application N	lumber
Tax Parcel No	ımber
17.00	052 M

	A CENEDAL	INFORMATION	Fire Number of Project Location
1. Applicant's Name (Last, First, M.I.)	A. UCNERAL	2. Authorized Agent (if applicable)	
Hanson Paul +	- Loci	2. Addionizou Agont (ii applicable)	
3. Mailing Address (Street, RFD, Box Num	ber, City, State, Zip Code)		
K+#1 PO Box	411 Audubon	MN.56511	
4. Day Phone	5. Evening Phone	6. Section 7. Township	
		5 Lake E	- 10 0 m
	B. PROPERTY	DESCRIPTION	21110
1. Lot(s), Block, Subdivision Name	less 5.50 AC	Jeonii Hox	
SEWAGE SYSTEM DATA Anticipated Use a. () Single Family b. () Multiple Family c. () Commercial d. () Other (specify)	1 Inch Equals DESIGN See drawing		
Type of Installation a. () Septic Tank Only b. () Drainfield Only c. () Septic Tank & Drainfield d. () Holding Tank e. () Septic Tank/Drainfield Lift Station			
Type of Drainfield a. () Standārd System b. (سر) Mound (pressure distribution)			
Well Data a. Depth			
Type of Well a. () Drilled b. () Sand Point			
	Sho	Distance Between Sewage System And Buildings, erty Lines, Lake, Road And All Wells Within 125 Feet.	
	Tank Drainfield		Tank Drainfield
Distances to Well:	- >50' >100'	Distance I. D.	>5% >//~~
	=	Distance to Pressure Line: = _	/ <u>//</u> /////////////////////////////////
Distance to Building:	= 110 - 720	Tank Capacity (gal.& Area of Drainfield (ft 2) = _	1000.380FT2
Distance to Property Line:	<u> 710 /10'</u>	Distance to Ordinary High Water Level: = -	<u> 2200'. 189'</u>
Drainfield separation from Highest Know	n Ground Water Level, Impervious Lens o		2'
hereby certify with my signature that all dat lans and specifications are true and correct:	a on my application forms,		
sing oppositional are true and correct.	Signature of	Applicant	Date
) CERTIFICATE IS HERERY DENIED: (See	TO BE COMPLET	ED BY PLANNING AND ZONING	Date

() CERTIFICATE IS HEREBY DENIED: (See back For Reasons)
() 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.

BECKER COUNTY PLANNING AND ZONING

Signature

<u>852pt.</u>

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

		Phone (218) 8	846-7314, Fax (218) 846-7266			-
Onsite Septic Syst	em Site Evaluat	ion/Design			Fire l	Number	4305
		_		Tax Parc	cel Number	7.0052	,000
17AC in L	ot 6 LESS	5.50 AC		:	· · · · · · · · · · · · · · · · · · ·		* .
Legal Description:	575	* • .	05	B8	042	101	KE Unice
Lake/Stream Name	Lake/Stream Clas	S	Section		Range		ship Name
PAUL + LORI	HANSON E	T#1 PO 4	ell Our	le her K	In 56511	4/30	3469
Property Owner	Addres	SS .	Cit	y, State, Zip	Code	Phone	Number
HIKE BERGH		1164	PT#1	PO 894	Qudupor	. 4.	439-6412
ISTS Designer I / Designer	er II	License Number		Addı	ess		Phone Number
		,					
		Š.	Site Plan			*	
The site plan must be draw	wn to dimension or to	scale:				4	
*All Wells within	*Existing & Propose	ed Buildings	*Distance from O	HW	*Soil F	Boring & Perc T	est Locations
100 feet of the System	*Easements	•	*Distance from Pr	operty Lines	*Dime:	nsions of Lot	
*Distance from all Wells within 100 ft of System	*Distance from Wat 50 ft of System(exis		*Location of any Disturbed/Compa			Access Route - One inch =	80
•	ı					,	V
Mr. N		•					.*
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	ITA.	. S	Light	Tapile	F •		
	Hto Be	em 58'	2 1000 38'		_		
		(D•	24160			
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Black HAWK

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PERCOLATION	
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Date test hole was prepared: 8-16-90	inches	soil color	L. Brown	
_	Diameter of hole:	soil texture:	SiH loAU	
fest hole location EAST. Hole #	Depth of hole bottom: Soil Data from test hole:	depth, inches	21.	

_above hole bottom Percolation test started at 1.30 (am / pm). inches Method of scratching sidewall: Broad MAHL. Depth of pea size gravel in bottom of hole: 2. 12... Date and hour of initial water filling: 8-16 9.AM Depth of initial water filling. SEIF inches Method used to maintain 12" of water depth in hole for 4 hours. Hike Bergh Maximum water depth above hole bottom during test. Percolation test conducted by;

conversions 1/16 = .06	1/8=.13 3/16=.19	1/4 = .25	3.8 = .38	112=.5	9/16 = .55 5/8 = .63	11/16 = .69	34=.75 1316=.31	778 = .88 15/16 = .94
PERC RATE CALCULATION	$\frac{30}{\text{TIME}} \div \frac{1.5}{\text{DROP}} - \frac{20}{\text{PERC}} A$ (Decimal)	30 - 125 - 24 B	30 - 138 - 22 C	30 - 1.5 - 20 D	TIME DROP PERC	TIME TOROP PERC (Decimal)	TIME DROP PERC (Decimal)	TIME DROP PERC
WATER DROP (decimal)	57	1.25	88:7	7.5			,	
WATER DROP (fraction)	7//		13/8	4,1	1			
WATER БЕРТН	8	8		3/5				
INTERVAL (MINUTES)	START	REFILL	REFILL	REFILE	REFILL	REFILL	REPILL	REFILL
TIME	1130	2:30 2:30	2.30 3.00	3:80 3:80				

B.B.C. 20 4	B.5.0 - 7.
Lurgast # of ABC Smallest # of AHC	Largest # of BCD Smalldin # of BCD
Smallest # Of ABC × 0.10 = 4	Smallent # of HCD × 0.10 = 2
C,D,E	D,E,F
Largest # of CDE Smallest # of CDE	Largest # of DEF Smallest # of DEF
Srmellest # of CDE × 0.10 =	Smallest # of DEF × 0.10 =
E,F,G	F,6,H
Largest # of EFC Smallest # of EFC	Largest # of FGH Smallast # of FGH
Smallest # of EFG x 0.10 m	Smallest # of PGH × 0.10 =

- PERCOLATION TEST SHEET -

Test hole location () ES		Holo # 2. Date test hole was prepared: 8-16-97	was prepared: 8-16-91
Depth of hole bottom: 3C.	ii	inches Diameter of hole:	inches
Soil Data from test hole:	le:		
	depth, inches	soil texture:	Rige I
	27"	Silt land	L. Brown
Method of scratching sidewall:	sidewall:	** Depth of pea size gravel in both	Depth of pea size gravel in bottom of hole: 2" inches
	11-8	\$-11. COLK	

Percolation test started at 1:0 (am (pm).

inches

SEIF

Method used to maintain 12" of water depth in hole for 4 hours.

Maximum water depth above hole bottom during test:

Percolation test conducted by; __

Hille BERGH

1.16=.06	1.8 = .13 3'16 = .19	1/4 = .25 5/16 = .31	33=33	7716=44 112=.5	9/16 = .55	11/16 = .59	3/4=.75 1316=.31	778 = .84
PERC RATE CALCULATION	30 - INS - PERC A	30 - 163 - 18 B	TIME - LSP - 26 C	30 - L. B 22 DERC	TIME DROP PERC (Decimal)	TIME DROP PERC (Decimal)	TIME DROP PERC (Decimal)	TIME DROP PERC
WATER DROP (decimal)	527	1.63	57	1.38				
WATER DROP (frection)		1 %	7,1	1.78				
WATER DEPTH	8	6.78	-7/9	8 7		*** ***		
INTERVAL (MINUTES)	START 30	REFILL -36	36 36	30.	REFILL	REFILL	REFILL	REFILL
TIME	4:30 4:30	<u>भःश</u> इंद्र	5.20	5:30 6:30				

Ten Percent Calculation *

Smallest # of EFG × 0.10 =	H, B, C Largent # 07 ABC Smallest # 07 ABC C, D, E Largent # 07 CDE Smallest # 07 CDE Smallest # 07 CDE Smallest # 07 CDE E, F, G Largent # 07 EFC Smallest # 07 EFC	Smallest # Of CDE. × 0.10 - 17 × 0.10

Smillen # 07 BCD 4	Structions & of DEF	F.G.H LINEGRAT WOLFOR Smallest WOLFORT Smallest WOLFOR X 0.10 =
	1 1	Smuller x 0.10 m
12. 12. 12. 18. 18.	D, E, F Largest # of DEF Smallest # of DEF	F, G, H Cargent # of FCH Smullest # of FCH
B, C, D	D,E,F	F, G, H

[&]quot; If the top number in each set of boxes is larger than the bottom number then take another reading. If the top number is equal or smaller than bottom number, average the three numbers for the perc rate.

[•] If the top number in each set of boxes is larger than the bottom number then take another reading. If the top number is equal or smaller than bottom number, average the three numbers for the percrate.

			•
INSTALLATION PERMIT FOR		PERMIT	
INDIVIDUAL SEWAGE TREATME	NT	NUMBER //39/	•
Decorate Osman ()		Parcel Number: 17.0053 000	<u> </u>
WORK CATEGORY	SIZE OF TANK	SIZE OF LIFT STATION	•
(A) (B) (A) (B) (A)	<u>/UUU</u> GALLONS	GALLONS	\$
(A) NEW SYSTEM (C) REPAIR	SIZE OF DRAINFIELD	SIZE OF PUMP	
() REPAIR	<u>750</u> FT2 SYSTEM LENGTH	DEPUTE TO DECEMBE	
	350 FT	DEPTH TO RESTRICTING LAYER	
	NUMBER OF	MAXIMUM DEPTH OF	
TYPE OF SYSTEM	TRENCHES	SYSTEM3'	
(/) SEPTIC TANK/DRAINFIELD	ESTIMATED		
() DRAINFIELD ONLY	FLOW 450 GPD	PERC RATE	
() HOLDING TANK	TYPE OF DRAINFIELD	SSF 1.67	
() ALTERNATE (specify)		SIZE OF GRAVELLESS	
() LIFT STATION	(F) STANDARD (gravelless)	PIPE S	
() LET STATION	() STANDARD (rock trench)		
	() MOUND (pressure distb)	DEPTH OF ROCK (a)	
·	() () () () (·	
ADDITIONAL INFORMATION			
		·	
INSTALLER Bliggwist Con	no fine from		1
	ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ	NSE NUMBER //// /	
ADDRESS/PHONE	ZZ/IU(//CC) LICER	NSE NUMBER ////	
ADDRESS/PHONE //	/\//\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/\/	NSE NUMBER ///a 4	<u></u>
ADDRESS/PHONE <u>///</u>			
I hereby certify with my signature that all	I the data contained herein as v	vell as all supporting data are true and	
I hereby certify with my signature that all	I the data contained herein as v	vell as all supporting data are true and	
I hereby certify with my signature that all	the data contained herein as v so understand that this permit	vell as all supporting data are true and is valid for a period of six (6) months.	
I hereby certify with my signature that all	the data contained herein as veso understand that this permit	vell as all supporting data are true and is valid for a period of six (6) months.	
I hereby certify with my signature that all correct to the best of my knowledge. I also	I the data contained herein as veso understand that this permit in the second state of the second se	vell as all supporting data are true and is valid for a period of six (6) months. Two Sold To Date	
I hereby certify with my signature that all correct to the best of my knowledge. I all Any changes to the permit must first be a	I the data contained herein as veso understand that this permit in the second signature pproved by Becker County Plantage in the second signature in the second se	vell as all supporting data are true and is valid for a period of six (6) months. Two Sold To Date	
I hereby certify with my signature that all correct to the best of my knowledge. I all Any changes to the permit must first be a	I the data contained herein as veso understand that this permit in the second signature pproved by Becker County Plantage in the second signature in the second se	vell as all supporting data are true and is valid for a period of six (6) months. Two Sold To Date	
I hereby certify with my signature that all correct to the best of my knowledge. I also Any changes to the permit must first be a covered up without inspection by Becker	I the data contained herein as veso understand that this permit in the second signature pproved by Becker County Plantage in the second signature in the second se	vell as all supporting data are true and is valid for a period of six (6) months. Two Sold To Date	
I hereby certify with my signature that all correct to the best of my knowledge. I all Any changes to the permit must first be a covered up without inspection by Becker For Office Use Only	I the data contained herein as veso understand that this permit in the second signature Signature pproved by Becker County Planning & Zoning.	vell as all supporting data are true and is valid for a period of six (6) months. Two S/G 7 Date anning & Zoning. No system shall be	
I hereby certify with my signature that all correct to the best of my knowledge. I also Any changes to the permit must first be a covered up without inspection by Becker For Office Use Only	I the data contained herein as veso understand that this permit in the second signature pproved by Becker County Plantage in the second signature in the second se	vell as all supporting data are true and is valid for a period of six (6) months. Two S/G 7 Date anning & Zoning. No system shall be	
ADDRESS/PHONE	I the data contained herein as veso understand that this permit in the second signature Signature pproved by Becker County Planning & Zoning.	vell as all supporting data are true and is valid for a period of six (6) months. Two S/G 7 Date anning & Zoning. No system shall be	
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ADDRESS/PHONE	I the data contained herein as veso understand that this permit is a superior of the superior	vell as all supporting data are true and is valid for a period of six (6) months. Two Sold Total Date anning & Zoning. No system shall be to install an	
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LEGAL S O	· · · · · · · · · · · · · · · · · · ·	17a	c in x	tov For C	em
SCRIPTION		Sw 14	SEV4 les	s/ac	
OCATION Lake No. Lak	Name Lake Classi	f. Sec. TWI	38 42 -	Lake En	enia
DENTIFICATION: Please Print All Informati	on		new	OUNDED:	
Swner Swner Swner	First Initial Mailing A	ddress- No. Street, City	Laul A	Zip No. / Tel. No.	
ntractor Name	rig	(REFINE	6/11. Pa	40)
		:		2	
PE OF MPROVEMENT:	RESIDENTIAL PROPOSE	D USE:	NON-RESIDENTIAL P	ROPOSED USE:	
() New Building Other WARDUALO	ne Family Dwelling () Multiple Dwelling	ng // Units	Specify:		
IMATED COST OF IMPROVEMENT \$		Construction Starting Da			
NCIPAL TYPE OF FRAME:	TYPE OF SEWAGE DISPO	DSAL:	DIMENSIONS:	<i>3</i> .	
() Masonry () Wood Frame	() Public () Individual Septic 1	Fank, etc.	Basement: () Yes Stories above basemen	() No ·	
) Structural Steel	WATER SUPPLY:	· .		nsion)	
Other — Specify	() Public () Individual Well	nin iku sasarin na sasarin sa sasarin sa	Bedrooms	Baths	
	MECHANICAL EQUIPME	NT :	HEATING:		
Type of Roof:	Elevator: () Yes Air Conditioning: ()		() Coal ()	Gas () Oil None	
SEWAGE DISPOSAL SYST	() Central EM DATA:	SEPTIC TANK	Other: SEEPAGE PIT	DRAIN FIELD	
Capacity		Gls.	Sq. Ft.	Sq. Ft.	
Distance from nearest well		Ft.	Ft.	Ft.	
Distance from lake or stream		Ft.	Ft.	Ft.	
Distance from occupied building		Ft.	Ft.	Ft.	
Distance from property line		Ft.	Ft.	Ft.	
Distance from bottom to Water Table	All distances are shortest di	Ft.	Ft.	Ft.	
ARACTERISTICS: 5, Yacro	A)	stance between nearest	points		
Lot Area is	. square feet. Wate	er frontage is	800 feet.		
Building set back from high water mark is,			٠	71	, /
Land height above high water mark at building		(アクア	#6 and	Black &	Auch
Building set back from State highway is			ree Yis feet	Mt. Ba	ch RA
Building will be located fer		•		766,78,711	٦
Building will be located fee			1112 12 13171		
ment: I hereby certify that the information co ding to the provisions of the ordinances of Beck ermit application. I also understand that this p ad until it has been inspected and accepted. Its b is ready for inspection.				continues to the and the sewage system shall be ninistrator, 48 hours before	
ed		Signature o		•	
n signed and approved by the Zoning Adminis described in the above statement and/or as si agent, employees and workmen shall conform ation of said ordinances.	nown on the sketch. This permit in all respects to the ordinanc	mit. Permission is hereby g i is granted upon the expres es of Becker County, Minne	ranted to the above named	owhom it is granted and	
d	MUST BE POSTED AT		long Svenle	<u> </u>	
	charge \$	becker county	Zon g Administrator		

S'S CHECK LIST nents and computations

	ACTUAL IS ↓	eri alian ili. La faka jakodi La ka	MINIMUM Shall Be 👃 Sq. Ft.
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L SYSTEM STATISTICS

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SEEPAGE-PHF

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We 1975 The state of the state

Mankund Inspector's Signature

Title

Agency

É	CL'S.	

White - Office
Yellow - Owner
Pink - Assessor

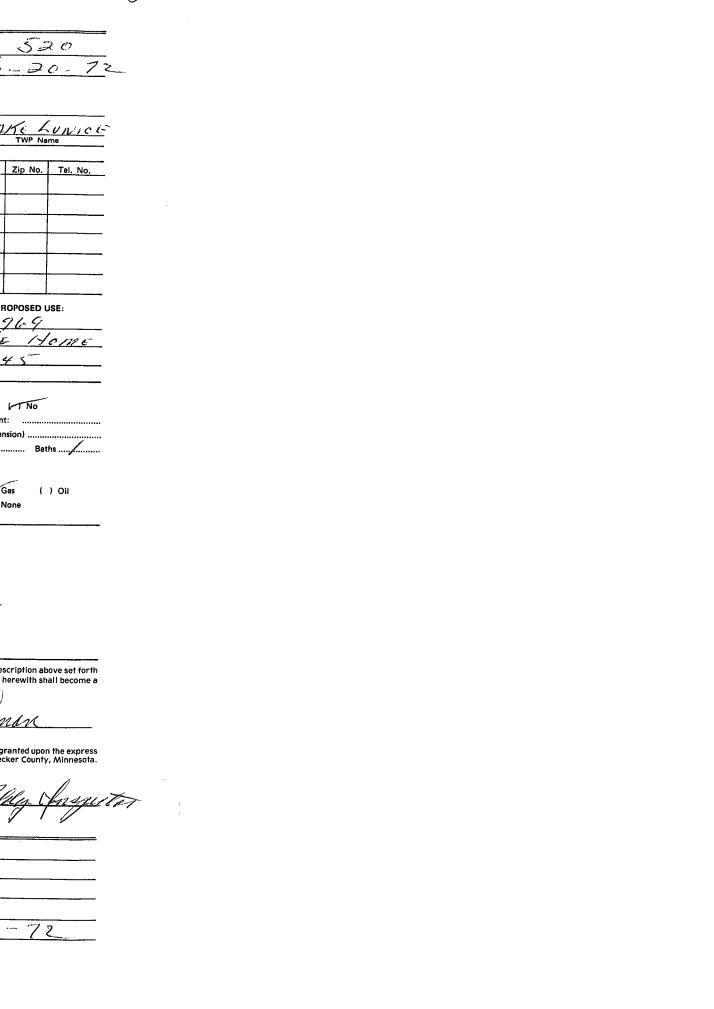
BECKER COUNTY ZONING ADMINISTRATION

COUNTY COURT HOUSE

Phone 218-847-7721 — Detroit Lakes, Minn. 56501

APPLICATION FOR BUILDING PERMIT AND CERTIFICATE OF OCCUPANCY

	TO SOLDING TERMINA AND GENTIFICATI	2 OF OCCUPANCE	
LEGAL 17 FC. IN	LOT 6 IN SW. 4 , I AC. TO HARRY R. JOH	0 F Permit No. 520 Date 6 - 20 - 72	
DESCRIPTION	a IN Sec. 4	Date 6-20-72	
AND SET LESS	IAC. to HARRY OR. JOK	IN'SON'	
LOCATION	, , ,		
575 LEI	E D 17 4= 17		
IDENTIFICATION: Please Print All Informati		VP Range TWP Name	
	First Initial Mailing Address- No. Street, City	and State Zip No. Tel. No.	
Owner OHMAS FR	1 1 1 1 1		
311161	THE POLICION	177100	
Contractor Name			
14/heat E	HERTSON AUDUBON.	MINN.	
Architect Name			
· · · · · · · · · · · · · · · · · · ·			
TYPE OF IMPROVEMENT:	OFFICE AND THE STATE OF THE STA	T	
	RESIDENTIAL PROPOSED USE:	NON-RESIDENTIAL PROPOSED USE:	
() New Building	(ar) One Family Dwelling	Specify: 1969	
() Alteration	() Multiple Dwelling Units	Mobile Home	
1_LOther	() Other Size	12×45	
ESTIMATED COST OF IMPROVEMENT \$. 3 &	8 00 °C (omit cents)		
	TYPE OF SEWAGE DISPOSAL:	DIMENSIONS:	
() Masonry () Wood Frame	() Public	Basement: () Yes 1 No	
Structural Steel	Tindividual Septic Tank, etc.	Stories above basement:	
() Other – Specify	WATER SUPPLY:	Sq. feet (outside dimension)	
Cp33 ,	() Public	Bedrooms Baths	
	MECHANICAL EQUIPMENT :	UEATINO	
Type of Roof:	Elevator: () Yes + No	HEATING:	
METAL	Air Conditioning: () Yes LINO	() Coal () None	
	() Central () Unit	Other:	
CHARACTERISTICS:			
Lot Area is	square feet. Water frontage is	feet	
Building set back from high water mark is	500 feet (Ruilding Line)		
Land height above high water mark at building I	line isfeet		
Building set back from State highway is	feet - from food of	trant is 100	
Side yard is and	900' feet. Rear yard is 400	note is included.	
Building will be located	from septic tank (Sewage System Permit must be obtained	t hafara installation	
Building will be located	from soil absorption system (Cesspool, Drainfield, etc.).	Deloie installation).	
greement: I hereby certify that the information co	intained herein is correct and assess to de at		
nd according to the provisions of the ordinances of I	Becker County, Minnesota. I further agree that any plans a	ork in accordance with the description above set forth and specifications submitted herewith shall become a	
or to this permit application . I also understand the	at this permit is valid for a period of six (6) months.	/)	
ated (0 - 2 0 - 7	7		
ated_(/ B() /	Thun Thun	R. W. Okman	
ermit: Permission is hereby granted to the above	/ Signature of	T Owner	
ondition that the person to whom it is granted, and t his permit may be revoked at any time upon violati	named applicant to perform the work described in the abounis agent, employees and workmen shall conform in all res on of said ordinances.	/e statement. This permit is granted upon the express pects to the ordinances of Becker County. Minnesota.	
/ Covered at any firme upon violan	on or said ordinances,	,	
ated_ (9 - 2 / - 7 :	7 ac The	/ 0 000 . 1	
00		ice how Bldy Gragueta	
ermit Fee \$ 10 - State Surch	narge \$	Zoning Administrator	
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1/1 A A A 10 11 (c	of the season to	(D (07 p	
- comment by	Frond & adjustments	6-26-72	



Location: Building Permit No. BECKER Lake No. _Sec._ _Twp._ COUNTY _Range_ Twp. Name BP No.

NOTE: This card must be placed in a conspicuous place not more than 12 feet above grade on the premises on which work is to be done, and must be maintained there until completion of such work. Notify Becker County Zoning Administrator when building footings have been completed.

Work Authorized

Issued

9

BECKER COUNTY, MINNESOTA

Board of County Commissioners

i i jir ji

Application for Building Permit Dated Application for Sewage System Permit Dated Building Permit Number	<u>-20 19 72</u> 6-20 19 72
Applicant agrees that this plot plan is a part of	Sewage System Permit Number 5 20 5
	Signature
No 6	Macres 1
	Mure
W 45 Mobile Home	So Sippe
DEST WELL	Septie Style
	Marifield
1515	LAKE

			
			
4 cyclestrate			

BECKER COUNTY

SEWAGE SYSTEM PERMIT APPLICATION

1.	Location of property: Lake_	LEIF	Sec. / Two/?	Range (/ >
	Legal description		okatrimona Stratimo	
2.	Lot length wi	dth	lot size area	HARCES
3.	Contour of property: Approx			
	site /2 / sewage sy			
4.	Type of building: residenti			
5.	Location of roads: County		,	
6.	Type of sewage system plann			
	Number of tanks / Drai	nfield /	Lineal feet	5 oft
7.	Type of soil: Sand C			7
8.	Location of sewage system or	n adjacent prope	erty	72.L
			Number of f	
9•	Location of well on your pro	operty	from House	(Sketch on
	reverse side). On adjacent			
10.	Name of sewage system contra	^	Eilertson	
	Well drilling contractor		7-7-	
	Note: If making either of the	ne above install	ations yourself	indicate
11.	Minimum set back:	Building	Sewage	System
	From Road R.O.W.	100'		75
	Adjacent Property	100'		75'
	Lakeshore (High Water Mark)	300	•	3001
12.	Any other information:			
	-			
				The second secon
		etie, vaarietillise diris geleg i vaan, pla Jord doormaanaanse kaleks saat geveende, pla		
	The second secon	The Marie Adel Prints - Their control of the Contro	~~	
	Dated 6 - 20 - 72	Xthan	b W. () Kr	alla -
		Applicants	s signature	
	Permit No. 520 S	Permit Fe	<u>, </u>	
100	Constitution of the second section of the sectio	TOTHITO LEG		

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