



# Septic System Application

Becker County Planning & Zoning  
915 Lake Ave, Detroit Lakes, MN 56501  
Phone (218)-846-7314; Fax (218)-846-7266

PARCEL	
APP	SEPTIC
YEAR	
SCANNED	
LAKES RECEIVED	
NOV 25 2015	
ZONING	

### 1. PROPERTY DATA (as it appears on the tax statement, purchase agreement or deed)

Parcel Number(s) of property where the system will be installed: 08.0172.000

Is this a split of an existing property? Yes No

(If yes and a parcel number has not yet been assigned, indicate the main parcel number from which the new parcel was split.)

Section 10 Township 139 Range 41 Township Name Detroit

Lake Name \_\_\_\_\_ Lake Classification \_\_\_\_\_

Legal Description: PT Cont Lot 1, Comm SB Cor Sec 10, N 25 56.12', NW 80.03', SW 85.77' +/- PUB

Project Address: 20531 Evergreen Shores Dr RL MN 56501

### 2. PROPERTY OWNER INFORMATION (as it appears on the tax statement, purchase agreement or deed)

Owner's First Name Tom Owner's Last Name Bunnell

Mailing Address Same City, State, Zip \_\_\_\_\_

Phone Number 849-3755

### 3. DESIGNER/INSTALLER INFORMATION

Designer Name Paul Gysler Company Name \_\_\_\_\_ License # \_\_\_\_\_

Address \_\_\_\_\_ Phone Number \_\_\_\_\_

Installer Name Paul Gysler Company Name \_\_\_\_\_ License # \_\_\_\_\_

Address \_\_\_\_\_ Phone Number \_\_\_\_\_

### 4. SYSTEM DESIGN INFORMATION

#### System Status

#### What will new system serve? Check one

- Vacant Lot-No existing system-new structure
- Replacement - structure removed and being rebuilt
- Failing -Replacement- cesspool/seepage pit or other
- Enlargement of system-Undersized
- Repairs Needed to existing
- Additional system on property

- Dwelling
- Resort/Commercial
- Commercial (Non-resort)
- Other - explain below \_\_\_\_\_

11-25-2015 Date of site evaluation

Design Flow 450 Gallons Per Day

Number of Bedrooms 3

Garbage Disposal Yes  No

Dishwasher  Yes  No

Lift station in House Yes  No

Grinder pump in House Yes  No

Well Depth no well yet  
Depth of other wells within 100 ft of system \_\_\_\_\_

Original Soil  Compacted Soil   
Type of Soil Observation  
Pit  Probe  Boring  
Depth to Restricting Layer 6' +  
Maximum Depth of System 8'

#### Size of All Tanks to be installed

- gal Single Compartment Septic Tank
- gal Separate Lift Station
- Existing tank w/new Additional Tank
- 1500 gal Compartmented Tank
- gal Holding Tank
- Existing tank w/new Lift Station
- Pit Privy
- Existing Tank to be used
- Holding Tank with Privy

Total Number of tanks to be installed in this system 1 (This # will be reported to MPCA at end of year.)

PARCEL	
APP	SEPTIC
YEAR	

Type of Drainfield  
 Chamber Trench      Full Size of Drainfield 400 sq ft      Reduced/Warrantied size \_\_\_\_\_ sq ft  
 \_\_\_\_\_ Rock Trench      \_\_\_\_\_ sq ft      \_\_\_\_\_ sq ft  
 \_\_\_\_\_ Gravelless      \_\_\_\_\_ sq ft      \_\_\_\_\_ sq ft  
 \_\_\_\_\_ Mound      \_\_\_\_\_ sq ft \*\*\*  
 \_\_\_\_\_ Pressure Bed      \_\_\_\_\_ sq ft \*\*\*  
 \_\_\_\_\_ Seepage Bed      \_\_\_\_\_ sq ft \*\*\*  
 \_\_\_\_\_ At-grade      \_\_\_\_\_ sq ft \*\*\*  
 \_\_\_\_\_ Alternative /      \_\_\_\_\_ sq ft \*\*\*      \*\*\*Attach Worksheets  
 Performance

Type of chamber Q4-High cap  
 Depth of Rock \_\_\_\_\_  
 Alarm? Yes \_\_\_\_\_ No X  
 Type of Alarm \_\_\_\_\_  
 Size of Lift Pump \_\_\_\_\_  
 Size of Lift Line \_\_\_\_\_

PROPOSED SETBACKS

	TANK	DRAINFIELD
Distance to Well	_____	_____
Distance to Building	<u>10</u>	<u>20</u>
Distance to Property Line	<u>10' X</u>	<u>10' "</u>
Distance to OHW of Lake	_____	_____
Distance to Pressure Line	_____	_____
Distance to Wetland/Protected Water	_____	_____

Perc Rate Sand Soil Sizing Factor .83 \*If SSF other than .83, attach Perc Test Data

Soil Borings (three are required)

Depth	Texture	Color	Structure		Depth	Texture	Color	Structure
<u>0-10</u>	<u>black</u>				<u>0-10</u>	<u>black</u>		
<u>10-18</u>	<u>sandy loam</u>	<u>brown</u>			<u>10-20</u>	<u>sandy loam</u>	<u>100% Brown</u>	
<u>18-72</u>	<u>sand</u>	<u>100% 4/6</u>			<u>20-72</u>	<u>sandy loam</u>	<u>100% 4/6</u>	

Depth	Texture	Color	Structure		Depth	Texture	Color	Structure
<u>0-8</u>	<u>black</u>							
<u>8-19</u>	<u>sandy loam</u>	<u>brown</u>						
<u>19-72</u>	<u>sand</u>	<u>100% 4/6</u>						

5. REQUIRED DOCUMENTS

U of MN worksheets are required for mounds, pressure beds, seepage beds, at-grades or Type IV or Type V systems. Are the required worksheets attached? \_\_\_\_\_ Yes X No

6. DESIGNER'S CERTIFIED STATEMENT

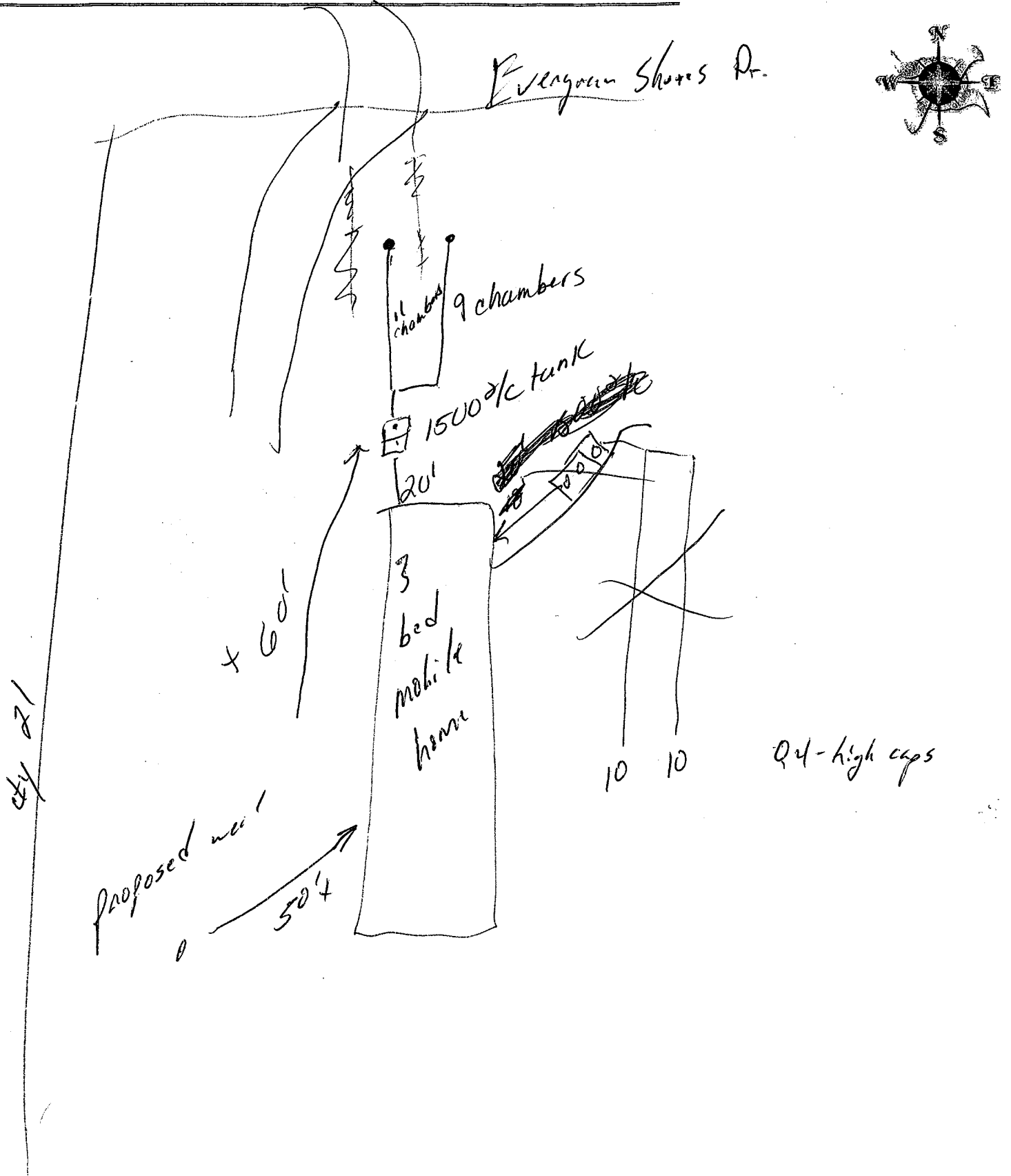
I, Randy Bysch certify that I have completed the preceding design work in accordance with all applicable requirements (including, but not limited to Minnesota Chapter 7080 and the Becker County Individual Sewage Treatment System Ordinance).

Signature of Designer Randy Bysch Date 10-25-2015

# SKETCH OF PROPERTY

Please sketch all structures and septic systems on the property;  
Include setbacks and wells within 100 feet of the property.

PARCEL	
APP	SEPTIC INSPECTION
YEAR	



PARCEL	
APP	SEPTIC
YEAR	

\*\*\*\*\* FOR OFFICE USE ONLY \*\*\*\*\*

Application Approved by: Nebi Moltzan Date: 12-3-15  
 Amount Paid 150 Receipt Number \_\_\_\_\_ Permit Number \_\_\_\_\_  
 NOTES: 194773  
607265

INSPECTION REPORT

Home Information

Does the structure contain any of the following elements?  
 Garbage disposer  Yes  No Dishwasher  Yes  No  
 Grinder pump  Yes  No Lift pump in basement  Yes  No  
 Effluent screen installed?  Yes  No Effluent screen manufacturer \_\_\_\_\_  
 Alarm required?  Yes  No Alarm Type \_\_\_\_\_ Alarm manufacturer \_\_\_\_\_  
 Lift pump in system?  Yes  No Pump manufacturer \_\_\_\_\_  
 Number of bedrooms 3

Component Information

Tank size 1500 gal Tank manufacturer B&W  
 Drainfield size 400 Medium manufacturer 20 Chambers  
 Drainfield medium chamber  
 Drainfield medium size/depth \_\_\_\_\_

Soil Verification

Vertical separation verified for Boring #1 on \_\_\_\_\_ Depth ±36"  
 Vertical separation verified for Boring #2 on \_\_\_\_\_ Depth \_\_\_\_\_  
 Vertical separation verified for Boring #3 on \_\_\_\_\_ Depth \_\_\_\_\_

Setback Verification

	TANK	DRAINFIELD
Distance to Well	<u>±60</u>	<u>±70</u>
Distance to Building	<u>±20</u>	<u>±30</u>
Distance to Property Line	<u>±40</u>	<u>±10</u>
Distance to OHW of Lake	<u>±75</u>	<u>±75</u>
Distance to Pressure Line	<u>±50</u>	<u>±50</u>
Distance to Wetland/Protected Water	<u>±50</u>	<u>±50</u>

Date System Installed 12/7/15 Installer Darryl Bergstrom Inspector Nebi Moltzan

CERTIFICATE OF COMPLIANCE

( ) Certificate Is Hereby Denied  
 (X) Certificate is Hereby Granted Based upon the Application, addendum from, plans, specifications and all other supporting data.  
 With property maintenance, this system can be expected to function satisfactory, however, this is not a guarantee.

Nebi Moltzan Supervisor of Inspectors 12/7/15  
 Signature Title Date  
 (Certificate of Compliance is not valid unless signed by a Registered Qualified Employee)

RECEIVED  
SEP 05 2013  
ZONING

### Onsite Septic System Application

Becker County Planning & Zoning  
915 Lake Ave, Detroit Lakes, MN 56501  
Phone (218)-846-7314; Fax (218)-846-7266

PARCEL	
APP	SEPTIC
YEAR	
Scanned	

#### 1. PROPERTY DATA (as it appears on the tax statement, purchase agreement or deed)

Parcel Number(s) of property where the system will be installed: 08 0122 000

Is this a split of an existing property? Yes  No   
(If yes and a parcel number has not yet been assigned, indicate the main parcel number from which the new parcel was split.)

Section 10 Township 139 Range 41 Township Name Detroit

Lake Name Little Floyd Lake Classification 6D

Legal Description: \_\_\_\_\_

Project Address: \* 20531 Evergreen Shores RD. Detroit Lakes, MN 56501

#### 2. PROPERTY OWNER INFORMATION (as it appears on the tax statement, purchase agreement or deed)

Owner's First Name Tom Owner's Last Name Bunnell

Mailing Address 20450 County Hwy 21 City, State, Zip Detroit Lakes, MN 56501

Phone Number 218 849 3755

#### 3. DESIGNER/INSTALLER INFORMATION

Designer Name Randy Anderson Company Name Anderson on-site License # 7634

Address 201421 Detroit Lakes Phone Number 218 849 3072

Installer Name \_\_\_\_\_ Company Name \_\_\_\_\_ License # \_\_\_\_\_

Address \_\_\_\_\_ Phone Number \_\_\_\_\_

#### 4. SYSTEM DESIGN INFORMATION

System Status What will new system serve? Check one

Vacant Lot-No existing system-new structure  Dwelling 9/4/13 Date of site evaluation

Replacement - structure removed and being rebuilt  Resort/Commercial

Failing -Replacement- cesspool/seepage pit or other  Commercial (Non-resort)

Enlargement of system-Undersized  Other - explain below

Repairs Needed to existing \_\_\_\_\_

Additional system on property \_\_\_\_\_

Design Flow 600 Gallons Per Day

Number of Bedrooms 4

Garbage Disposal \_\_\_\_\_ Yes  No

Dishwasher  Yes \_\_\_\_\_ No

Lift station in House \_\_\_\_\_ Yes  No

Grinder pump in House \_\_\_\_\_ Yes  No

Well Depth no well

Depth of other wells within 100 ft of system N/A

Original Soil  Compacted Soil \_\_\_\_\_

Type of Soil Observation \_\_\_\_\_

Pit \_\_\_\_\_ Probe  Boring \_\_\_\_\_

Depth to Restricting Layer 72

Maximum Depth of System 36

Size of All Tanks to be installed

1000 gal Single Compartment Septic Tank \_\_\_\_\_ gal Separate Lift Station

\_\_\_\_\_ gal Compartmented Tank \_\_\_\_\_ gal Holding Tank

\_\_\_\_\_ Pit Privy \_\_\_\_\_ Existing Tank to be used

\_\_\_\_\_ Existing tank w/new Additional Tank

\_\_\_\_\_ Existing tank w/new Lift Station

\_\_\_\_\_ Holding Tank with Privy

Total Number of tanks to be installed in this system 1 (This # will be reported to MPCA at end of year.)

Total Number of tanks to be installed in this system 1  
 (This # will be reported to MPCA at end of year.)

PARCEL	
L	
APP	SEPTIC
YEAR	

Type of Drainfield

<input type="checkbox"/> Chamber Trench	Full Size of Drainfield	Reduced/Warrantied size
<input checked="" type="checkbox"/> Rock Trench	<u>500</u> sq ft	_____ sq ft
<input type="checkbox"/> Gravelless	_____ sq ft	_____ sq ft
<input type="checkbox"/> Mound	_____ sq ft ***	_____ sq ft
<input type="checkbox"/> Pressure Bed	_____ sq ft ***	
<input type="checkbox"/> Seepage Bed	_____ sq ft ***	
<input type="checkbox"/> At-grade	_____ sq ft ***	
<input type="checkbox"/> Alternative / Performance	_____ sq ft ***	*** Attach Worksheets

Type of chamber \_\_\_\_\_  
 Depth of Rock 6"  
 Alarm? Yes \_\_\_\_\_ No   
 Type of Alarm \_\_\_\_\_  
 Size of Lift Pump \_\_\_\_\_  
 Size of Lift Line \_\_\_\_\_

**SETBACKS**

	TANK	DRAINFIELD
Distance to Well <u>no well</u>	_____	_____
Distance to Building	<u>20</u>	<u>35</u>
Distance to Property Line	<u>30</u>	<u>20</u>
Distance to OHW of Lake	<u>200'</u>	<u>200'</u>
Distance to Pressure Line	_____	_____
Distance to Wetland/Protected Water	<u>150'</u>	<u>150'</u>

Perc Rate \_\_\_\_\_ Soil Sizing Factor .83 \*If SSF other than .83, attach Perc Test Data

**Soil Borings (three are required)**

Depth	Texture	Color	Structure	Depth	Texture	Color	Structure
0-10	SANDY LOAM	10YR2/2	single	0-10	SANDY LOAM	10YR2/2	single
10-20	SANDY LOAM	10YR4/4	"	10-18	SANDY LOAM	10YR4/4	"
20-72	SAND	10YR5/4	"	18-60	SAND	10YR5/4	"

Depth	Texture	Color	Structure	Depth	Texture	Color	Structure
0-8	SANDY LOAM	10YR2/2	single				
8-19	SANDY LOAM	10YR2/4	"				
19-60	SAND	10YR5/4	"				

**5. REQUIRED DOCUMENTS**

U of MN worksheets are required for mounds, pressure beds, seepage beds, at-grades or Type IV or Type V systems. Are the required worksheets attached? Yes 2 No

**6. DESIGNER'S CERTIFIED STATEMENT**

I, Randy Anderson certify that I have completed the preceding design work in accordance with all applicable requirements (including, but not limited to Minnesota Chapter 7080 and the Becker County Individual Sewage Treatment System Ordinance).

[Signature]  
 Signature of Designer

9/4/13  
 Date

Evergreen Shores Dr. RW

Driveway

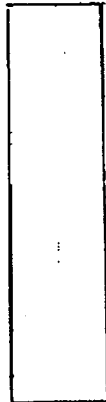


1" = 30'

Shallow must maintain 50' setback from Tank  
100' setback from Drain field

County Hwy 21 RW

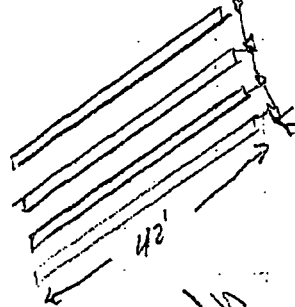
368  
Trailer  
House  
no disposal



4" PVC



1000 gal. Septic tank



20'

4 - Rock trenches  
3' x 40' 6" Rock  
under pipe

1/2" / 3" / 1/2" / 3" / 1/2" / 3"

Little Floyd Lake Rd RW

