

# Onsite Septic System Application



170900000

PARCEL	
APP	SEPTIC
YEAR	
SCANNED	
LAKE	

## 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: \_\_\_\_\_

17.0900.000

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 30 Township 138 Range 42

Township Name Lake Eunice

Lake Name CORMORANT LAKE

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

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

Project Address: 11964 maple Lodge Rd

RECEIVED

NOV 04 2014

ZONING \_\_\_\_\_

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

Owner's First Name Terry

Owner's Last Name Lodeon

Mailing Address 11964 maple Lodge Rd

City, State, Zip Audubon MN 56511

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

## 3. DESIGNER/INSTALLER INFORMATION

Designer Name David Ohm

Company Name Ohm Excavating License # 932

Address P.O. Box 293 Audubon

Phone Number 218-439-6428

Installer Name David Ohm

Company Name OHM EXCAVATING License # 932

Address P.O. Box 293 Audubon

Phone Number 218-234-1256

## 4. SYSTEM DESIGN INFORMATION

### System Status

- ☐ 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

### What will new system serve? Check one

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

8-1-14

Date of site evaluation

Design Flow 300 Gallons Per Day

Number of Bedrooms 2

Garbage Disposal ☐ Yes ☒ No

Dishwasher ☒ Yes ☐ No

Lift station in House ☐ Yes ☒ No

Grinder pump in House ☐ Yes ☒ No

Well Depth To Be drilled

Depth of other wells within 100 ft of system \_\_\_\_\_

Original Soil ☒ Compacted Soil ☐

Type of Soil Observation

☐ Pit ☐ Probe ☒ Boring

Depth to Restricting Layer 2

Maximum Depth of System 4

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.)

PARCEL	
APP	SEPTIC
YEAR	

Type of Drainfield X Chamber Trench Full Size of Drainfield \_\_\_\_\_ sq ft Reduced/Warrantied size 600 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 ADS  
 Depth of Rock \_\_\_\_\_  
 Alarm? Yes \_\_\_\_\_ No \_\_\_\_\_  
 Type of Alarm \_\_\_\_\_  
 Size of Lift Pump \_\_\_\_\_  
 Size of Lift Line \_\_\_\_\_

#### PROPOSED SETBACKS

	TANK	DRAINFIELD
Distance to Well	<u>75'</u>	<u>80'</u>
Distance to Building	<u>10</u>	<u>5</u>
Distance to Property Line	<u>5</u>	<u>5</u>
Distance to OHW of Lake	<u>160'</u>	<u>160'</u>
Distance to Pressure Line	<u>+70</u>	<u>+70</u>
Distance to Wetland/Protected Water	<u>—</u>	<u>—</u>

Perc Rate 30 Soil Sizing Factor 2.0 \*If SSF other than .83, attach Perc Test Data

#### Soil Borings (three are required)

Depth	Texture	Color	Structure	Depth	Texture	Color	Structure
0-4	Clay loam	10yR 3/3 Black	Blocky	0-9	Clay loam	10yR 3/3 Black	Blocky
5-50	Clay loam	10yR 5/4 Brown	Blocky	10-49	Clay loam	10yR 5/4 Brown	Blocky
51-61	Clay	10yR 6/4 Tan	Blocky	50-60	Clay	10yR 6/4 Tan	Blocky
62-84	Clay	10yR 7/4 Tan/Yellow	Blocky	61-84	Clay	10yR 7/4 Tan/Yellow	Blocky

Depth	Texture	Color	Structure	Depth	Texture	Color	Structure

#### 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 \_\_\_\_\_ No

#### 6. DESIGNER'S CERTIFIED STATEMENT

I, David Ohm 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

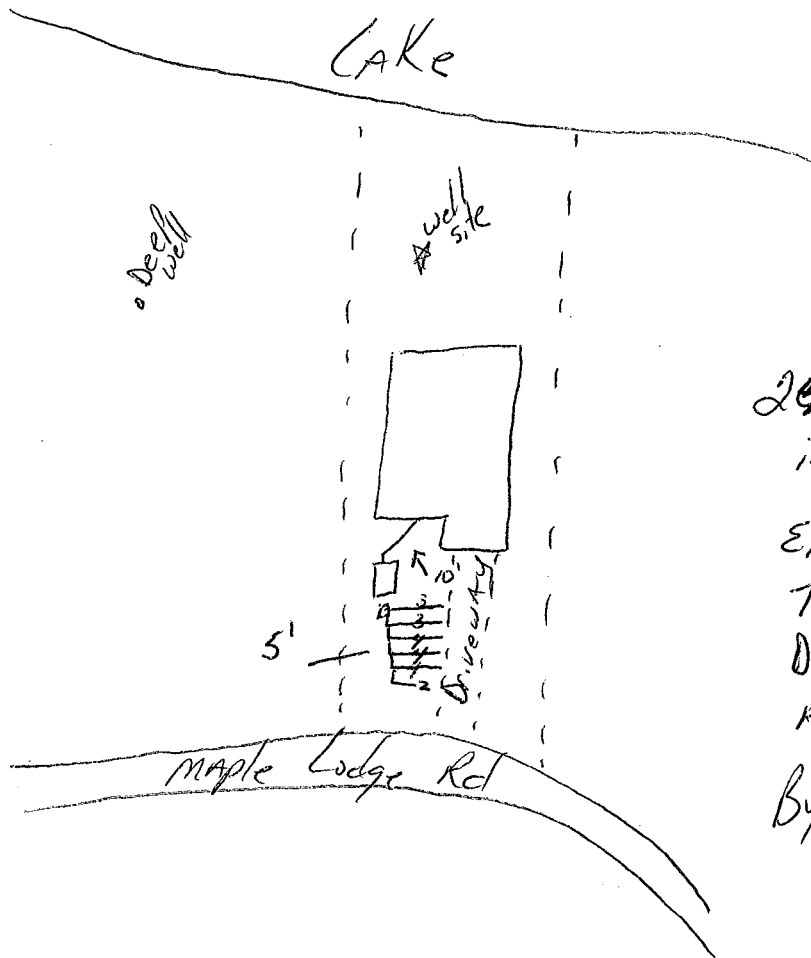
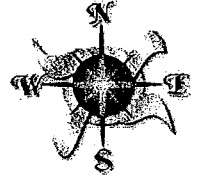
Date

11-4-14

# 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	



24 ADS Chambers  
installed 11-11-14  
Exactly 20' from garage  
to first part of D.F.  
D.F. Located near Driveway  
Area Due to Room  
By Dave Oh  
11-20-14

APP	SEPTIC
YEAR	

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

Application Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Amount Paid \_\_\_\_\_ Receipt Number \_\_\_\_\_ Permit Number \_\_\_\_\_

NOTES: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\*\*\*\*\*

## 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 2

### Component Information

Tank size 1000

Tank manufacturer \_\_\_\_\_

Drainfield size 600

Drainfield medium chamber

Medium manufacturer \_\_\_\_\_

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

Distance to Well

TANK

DRAINFIELD

Distance to Building

110

120

Distance to Property Line

110

110

Distance to OHW of Lake

110

110

Distance to Pressure Line

110

110

Distance to Wetland/Protected Water

110

110

*Setback Agreement*

Date System Installed 11-11-14 Installer Ohm Inspector AS Built

\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*

## CERTIFICATE OF COMPLIANCE

( ) Certificate Is Hereby Denied

☒ 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.

Heidi Meltzer Supervisor of Inspectors 11/20/14  
Signature Title Date

(Certificate of Compliance is not valid unless signed by a Registered Qualified Employee)

## PERCOLATION TEST DATA SHEET - 10/25/04

Company Name

OHM Excavating

License Number

932

Percolation Test Performed by

David Ohm

Homeowner Name

Terry

Address

Test Hole #

Diameter of hole

inches

Location

Method of scratching sidewall

Depth at bottom of hole

22

inches

Depth of gravel at bottom

inches

Date presoak started

Starting at

AM / PM

Depth of initial water filling

above hole bottom

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

Date presoak ended

Ending at

AM / PM

Date perc readings conducted

Starting at

AM / PM

Maximum depth above hole bottom during test

inches

Surface elevation (in reference to benchmark):

feet

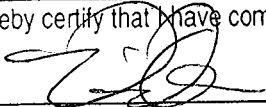
Directions: Enter elapsed time and drop in water level and the rest will be calculated

#	Elapsed Time (min)	Time Interval (min)	Drop in Water Level (Inches)	Percolation Rate (mpi)	% Difference	10% Goal Reached
1	15	0	3/4	0.0	NA	NA
2	15	0	3/4	0.0	20	0
3	15	0	1/2	0.0	30	0
4	15	0	1/2	0.0	30	0
5	15	0	1/2	0.0	30	0
6	15	0	1/2	0.0	30	0
7		0		0.0	0.0	0
8		0		0.0	0.0	0

\* 3 consecutive percolation rates must be within 10% or less of each other

30 mpi

I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws



(signature)

932

(license #)

11-4-14

(date)

PARCEL	
APP	
YEAR	
SCANNED	

## PROPERTY LINE AGREEMENT

I, Valerie K. Gordon,

owner of the property described as:

Section 30 Township 138 Range 042 Subdivision Maple Lodge Rd.  
Sub DIV Subdivision 17039 Lot 11

Parcel Number: ~~17.0901.000~~ 17.0901.000 give

Terry Sodoen,

owner of the property described as: Section 30 Township 138 Range  
042 Subdivision Maple Lodge Rd. Subdivision ed 17039 PT Lots 9-11  
Maple Lodge & PT 660 T Lot 1 Comm meander cor #43 Th SE 959.42'  
to NE LN Lot 10 & POB, NW 48.47' SW 175.35' to permanent lake  
SE 42 LIC 49.80 Th NE 165.11' to POB

Parcel Number: 17.0900.000

permission to have their sewer system closer than the required 10 feet to  
the lot line.

Signed: Valerie K. Gordon

Dated: \_\_\_\_\_

Subscribed and sworn to before me this \_\_\_\_\_ day of  
\_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Notary



PARCEL	
APP	SEPTIC
YEAR	

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

Application Approved by: Hebi Moltis Date: 11-6-14  
 Amount Paid 150 Receipt Number 163892-596384 Permit Number \_\_\_\_\_  
 NOTES: 11-6-14

\*\*\*\*\*

### 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 2

#### Component Information

Tank size 1000 Tank manufacturer Brown

Drainfield size \_\_\_\_\_  
 Drainfield medium \_\_\_\_\_ Medium manufacturer \_\_\_\_\_  
 Drainfield medium size/depth \_\_\_\_\_

#### Soil Verification

Vertical separation verified for Boring #1 on \_\_\_\_\_ Depth \_\_\_\_\_

Vertical separation verified for Boring #2 on \_\_\_\_\_ Depth \_\_\_\_\_

Vertical separation verified for Boring #3 on \_\_\_\_\_ Depth \_\_\_\_\_

#### Setback Verification

	TANK	DRAINFIELD
Distance to Well	<u>+75'</u>	_____
Distance to Building	<u>10'</u>	_____
Distance to Property Line	<u>5'</u>	_____
Distance to OHW of Lake	<u>+100'</u>	_____
Distance to Pressure Line	<u>+70'</u>	_____
Distance to Wetland/Protected Water	<u>-</u>	_____

*Papers attached* →

Date System Installed 11/1/14 Installer OHM EXC. Inspector John A. Hall

\*\*\*\*\*

### CERTIFICATE OF COMPLIANCE

( ) Certificate Is Hereby Denied  
 ( ) 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.

Signature \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 (Certificate of Compliance is not valid unless signed by a Registered Qualified Employee)



*Put in already*

Onsite Septic System Site Evaluation/Design

1. PROPERTY DATA (as it appears on the tax statement)

Parcel Number(s) of property system will be installed 17.0900.000  
(if parcel is a new split and a parcel number has not yet been issued, indicate the main parcel number from which the new parcel has been split from)

Section 30 Township 138N Range 42W Township Name Lake Eunice

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

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

Project Address: 11964 Maple Lodge Rd

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

Owner's First Name Orville Brenden Estate Owner's Last Name \_\_\_\_\_

Mailing Address 11964 Maple Lodge Rd City, State, Zip Audubon MN 56511

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

3. DESIGNER/INSTALLER INFORMATION

Designer Name David Ohm Company Name Ohm Excavating License # 932

Address Box 293 Audubon MN Phone Number 218-234-1256

Installer Name David Ohm Company Name Ohm Excavating License # 932

Address Box 293 Audubon MN Phone Number 218-234-1256

4. SYSTEM DESIGN INFORMATION

Date of Site Evaluation 11-6-04

EXISTING SYSTEM STATUS – Check One

- ☐ No existing system-new structure  
☐ Cesspool/Seepage  
☐ Failing (other than cesspool)  
☐ Undersized  
☒ Replacement or repair to existing

What will new system serve? Check one

- ☒ Dwelling  
☐ Resort/Commercial  
☐ Commercial (non resort)  
☐ Other – explain below

Design Flow 150 Gallons Per Day  
Number of Bedrooms 1  
Garbage Disposal Yes ☒ No  
Grinder Pump in House Yes ☒ No  
Lift station in House Yes ☒ No

Well Depth +50  
Depth of other wells within  
100 ft of system +50

Original Soil ☒ Compacted Soil N  
Type of Soil Observation  
☐ Pit ☐ Probe ☒ Boring  
Depth to Restricting Layer 6'  
Maximum Depth of System 3'

Size of All Tanks to  
Be installed  
1000 gal Septic Tank  
\_\_\_\_ gal Lift Station  
\_\_\_\_ gal Holding Tank  
\_\_\_\_ gal Other Tanks

Type of Drainfield Medium  
to be used  
☒ Chamber  
☒ H10 EQ36  
\_\_\_\_ Drainfield Rock  
\_\_\_\_ Rock Depth  
\_\_\_\_ Gravelless  
\_\_\_\_ Experimental  
\_\_\_\_ No Drainfield

Type of Alarm \_\_\_\_\_  
Size of Lift Pump \_\_\_\_\_  
Size of Lift Line \_\_\_\_\_

Type of Drainfield to be installed  
☒ Trench  
\_\_\_\_ At-grade  
\_\_\_\_ Pressure Bed  
\_\_\_\_ Seepage Bed  
\_\_\_\_ Mound

Size of Drainfield sq ft to be installed  
300 sq ft  
\_\_\_\_ sq ft  
\_\_\_\_ sq ft  
\_\_\_\_ sq ft  
\_\_\_\_ sq ft

SETBACKS

	TANK	DRAINFIELD
Distance to Well	<u>50'</u>	<u>750'</u>
Distance to Building	<u>10'</u>	<u>20'</u>
Distance to Property Line	<u>10'</u>	<u>10'</u>
Distance to OHW	____	____
Distance to Pressure Line	____	____

Perc Rate 3 mpi Soil Sizing Factor .83 \*If SSF other than .83, attach Perc Test Data

Depth	Texture	Color	Structure		Depth	Texture	Color	Structure
0-4	Loam	10YR 3/2	Blocky		0-4	Loam	10YR 3/2	Block
4-20	gravel & rocks	10YR 6/4	None		4-60	gravel & large rocks	10YR 6/4	None
20-60	gravel & big rocks	10YR 6/4	None					

## 5. DESIGNER'S CERTIFIED STATEMENT

I, David Ohm 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 [Signature] Date 11-8-04

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

Application Approved by: [Signature] Date: 11/09/04  
Amount Paid \$100.00 Receipt Number \_\_\_\_\_ Permit Number \_\_\_\_\_

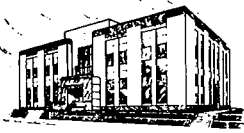
\*\*\*\*\*

## 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.

Signature [Signature] Title ITS Inspector Date 11/20/04

(Certificate of Compliance is not valid unless signed by a Registered Qualified Employee)  
Date System Installed 11/20/04 Inspected by [Signature]



# BECKER COUNTY

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

Application No.

Tax Parcel No.

## SKETCH PLAN FORM H

Please be as complete as possible. Include all of the items listed below where applicable.

### GENERAL CHECKLIST

- ☐ scale
- ☐ north arrow
- ☐ lot dimensions
- ☐ structure location
- ☐ side lot setback
- ☐ road setback
- ☐ septic tank location
- ☐ drainfield location
- ☐ location of all wells within 100' of drainfield
- ☐ fill & grading limits
- ☐ vegetation alteration limits

### WATER RESOURCE CHECKLIST

- ☐ location of ordinary high water level (OHWL)
- ☐ location of present water line
- ☐ setback from OHWL
- ☐ location of highest known water level
- ☐ existing local drainage
- ☐ location of wetland areas

Scale of Diagram: 1 inch = \_\_\_\_\_ feet

Drawing By: David Ohm

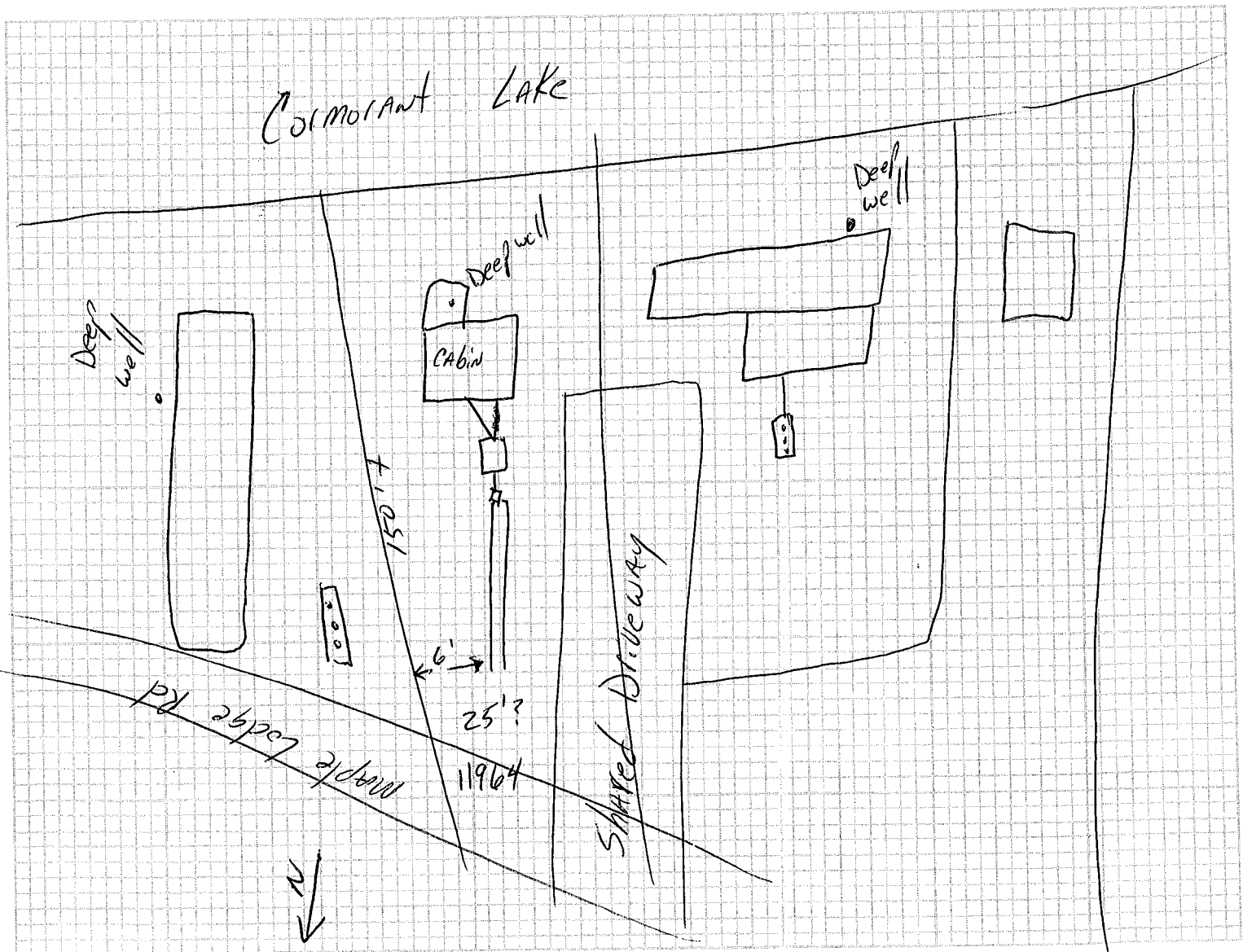
Date of Drawing: 11-8-04

Impervious surface coverage calculation

$\frac{\text{Impervious surface onsite}}{\text{Total Lot area ft}^2} \times 100 = \text{Total percentage of impervious coverage}$

Remarks: \_\_\_\_\_

Signature \_\_\_\_\_



## PROPERTY LINE AGREEMENT

I Bill Schwandt, give Terry  
Loedon, permission to have their sewer

system closer than the required 10 feet to the lot line.

(no closer than 6 feet from the property  
line)

SIGNED Wm Schwandt

DATE 11-2-04