

070403000



070403000



Becker County Planning & Zoning
915 Lake Ave
Detroit Lakes, MN 56501
(218) 846-7314
www.co.becker.mn.us

Certificate of Compliance Inspection Report - Permit #: SS2019-206

Owner & Property Information

Owner Name:	CHESTER J TRUST BEAUDINE	Site Address:	14716 SOUTHSHORES CIR
Mailing Address:	CHESTER J TRUST BEAUDINE 14716 SOUTHSHORES CIR LAKE PARK MN 56554	Township - Sec/Twp/Rng:	CUBA - 34/140/043
Parcel #:	070403000	Legal Description:	Lot 003 Block 001 of SOUTHSHORES
Secondary Parcel #:		Designer:	OTHER – Not listed (please add in next field and we will add to our list)
		Installer:	Boit Excavating, L559 (Todd Boit)

Inspector Verified Specifications

Insp- Effluent Screen Installed:	No	Insp- Tank Nbr/Size:	1/750
Insp- Alarm Required:	Yes	Insp- Drainfield Type:	Mound
Insp- Lift Pump in System:	Yes	Insp- Drainfield Size:	10' X 40' rock bed, 15' X 40' soil absorption area 600 square feet
Insp- Number of Bedrooms:	3	Insp- Soil Verification:	#1:N/A #2:N/A #3:N/A

Inspector Verified Setbacks

Insp- Tank Dist to Road	50+	Insp- Drainfield Dist to Road	20+
Insp- Tank Dist to Nearest Prop Line	40+	Insp- Drainfield Dist to Nearest Prop Line	40+
Insp- Tank Dist to Nearest Structure	45	Insp- Drainfield Dist to Nearest Structure	108
Insp- Tank Dist to Well	200	Insp- Drainfield Dist to Well	200+
Insp- Tank Dist to OHW	200+	Insp- Drainfield Dist to OHW	200+
Insp- Tank Dist to Pond/Wetland		Insp- Drainfield Dist to Pond/Wetland	
Insp- Tank Dist to Pressure Line	20+	Insp- Drainfield Dist to Pressure Line	20+

Certificate of Compliance

(Yes) 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.

Certification Date: 9/16/2019

Zoning Office Signature:

Denise Gubrud - ISTS Inspector

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

Field Review Form

Permit # SS2019-206

Property and Owner

Owner: CHESTER J TRUST BEAUDINE	Parcel Number: 070403000
Site Address: 14716 SOUTHSHORES CIR	Secondary Parcel:

Home Information

Does the structure contain any of the following elements?	Designer submitted	Inspector verified
	Garbage disposal: No Dishwasher: No Grinder pump: No Lift pump in bsmt: No	Garbage disposal? Y <input checked="" type="radio"/> Dishwasher? Y <input checked="" type="radio"/> Grinder pump? Y <input checked="" type="radio"/> Lift pump in basement? Y <input checked="" type="radio"/>
Number of bedrooms: 3	Review - Number of bedrooms: 3	
Effluent screen	Effluent screen installed? Y <input checked="" type="radio"/> Mfr:	
Alarm: Yes Type: Indoor	Review - Alarm? <input checked="" type="radio"/> N Type & Mfr: indoor STK	
Lift pump in system: Yes	Review - Lift pump in system? <input checked="" type="radio"/> N Mfr: goulds	

Component Information

Tank size: 1500/2	Review - Tank nbr: 1 size: 750 Mfr: SBI
Drainfield type: Mound	Review - Drainfield type: mound
Drainfield size: Full size - 380 Reduced/warr. size -	Review - Drainfield status: none installed next spring Review - Drainfield size: 10x40 rock
Absorption area size: 12"	Review - Absorption area size: 15x40 SAA 600
Chamber type/num: Trench sqft/chamber -	Review - Chamber type: Num: Review - Trench sqft/chamber:
Drainfield rock depth: 12"	Review - Rock depth: 12"

Soil Verification

Vertical separation verified	Boring #1: Boring #2: Boring #3:
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Setback Verification

Distance to...	Designer submitted		Inspector verified	
	Tank	Drainfield	Tank	Drainfield
Road	180'	150'	50'	20'
Nearest prop line	45'	55'	40'	40' per installer
Nearest structure	100'	110'	95'	108'
Well	150'	160'	200'	200'
OHW	>200'	>200'	200'	200'
Pond/Wetland				
Pressure line	N/A	N/A	50'	50'

Date System Installed: 9-16-19 Installer: Todd Boit

Inspector: Denise Gabriel

14716 S shore drive

et

Bot

9-16-19

certify by

SPT - 750 lft

gouls
alarm elec SJE
1500 existing tank

3 1/2 laterals
1/4" perf
3" space

Sched 40

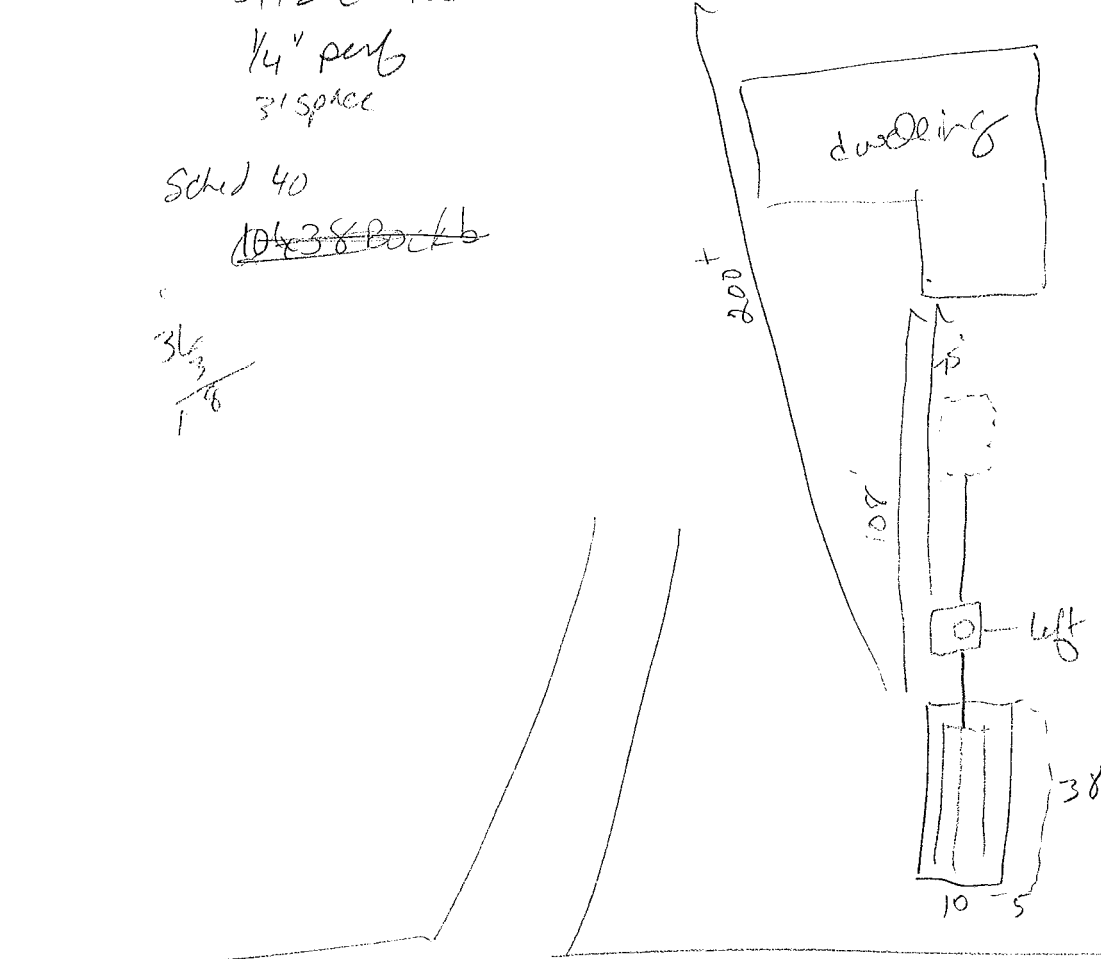
~~10x38 Rock bed~~

3 1/2
1/8

10x40 Rock bed

18" sand lft
15x40 SAA

⊕ 12" pipe



Becker County Restrictive Layer Verification

Client:	Parcel:	Date:
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Address:

Vegetation:

Weather Conditions/Time of Day: Observation#/Location/Method:

Depth (in)	Texture	Matrix Color(s)	Mottle Color(s)

Comments/Notes:

Certified Statement: I hereby certify that I have completed this work in accordance with all applicable ordinance, rules and laws.

(Designer)	(Inspector)	(License #)	(Date)
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 Detroit Lakes, MN 56501
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10:30

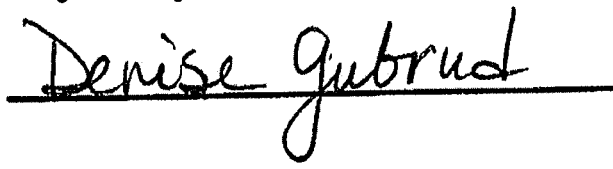

Septic Permit

Permit #: SS2019-206

Owner & Property Information	
Owner Name: CHESTER J TRUST BEAUDINE	Parcel #: 070403000
Mailing Address: CHESTER J TRUST BEAUDINE 14716 SOUTHSHORES CIR LAKE PARK MN 56554	Secondary Parcel #:
Phone #: 218-220-0982	Site Address: 14716 SOUTHSHORES CIR
Lake/River(1000/300): Yes	Township - Sec/Twp/Rng: CUBA - 34/140/043
Lake/River Name: My lake is not listed below	Designer: OTHER – Not listed (please add in next field and we will add to our list)
Pond/Wetland(50): No	Installer: Boit Excavating, L559 (Todd Boit)

Specifications	
Tank to be Installed: Compartmented Tank	Type of Drainfield: Mound
Total # Tanks Installed: 1	Full Size of Drainfield: 380
System Status: Failing System (Cesspool, Seepage Pit, other)	Reduced/Warrantied Size:
System Serves: Dwelling	Absorption Area Size: 35'X60'
Number of Bedrooms: 3	Rock Depth: 12"
Design Flow/GPD: 450	Chamber Type and Number:
Garbage Disposal? No	Chamber Trench SqFt/Chamber:
Size of Lift Pump: .4hp	Is System Pressurized? Yes
Size of Lift Line: 1.5"	Alarm? Yes
Soil Sizing Factor: 1.27	Type of Alarm: Indoor

Setbacks	
Road Type: Public / Township	Right of Way Marked: No
Tank Dist to Road: 180'	Drainfield Dist to Road: 150'
Tank Dist to Closest Prop Line: 45'	Drainfield Dist to Closest Prop Line: 45'
Tank Dist to Nearest Structure: 100'	Drainfield Dist to Nearest Structure: 110'
Tank Dist to Well: 150'	Drainfield Dist to Well: 160'
Tank Dist to OHW: >200'	Drainfield Dist to OHW: >200'
Tank Dist to Pond/Wetland:	Drainfield Dist to Pond/Wetland:
Tank Dist to Pressure Line: N/A	Drainfield Dist to Pressure Line: N/A

Other Information	
Date Approved: 8/15/2019	Zoning Office Signature:
Permit Fee: 225.00	
Receipt Number: 165483-720485	
Date Paid: 8/30/2019	
Notes: Install a 1000 septic tank, a 500 gallon lift tank with a mound system with a 10' X 37.5' rock bed, a 15' X 37.5' soil absorption area, and 1.5' laterals with 1/4" spacing at 3' apart. 1.5' sand lift required per design	

Individual Sewage Treatment System

Site Evaluation Report

For
Chet Beaudine

Job Address
*Lot 3 Blk 1 South shore
Lake Park, MN 56554*

Legal Description
Cuba Twp.

Becker County

Section 34

Conducted By:

Anderson On-Site

Randy Anderson, DRP

P.O. Box 1421

Detroit Lakes, MN. 56502-1421

Friday, July 15, 2005

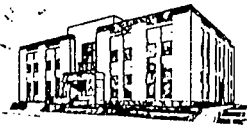
ATTENTION!

ANY RESULTS AND/OR INFORMATION PROVIDED IN THIS REPORT ARE STRICTLY THE INTERPRETATION OF THE LICENSED INDIVIDUAL ISSUEING THE REPORT. ALL FIELD WORK AND TEST RESULTS WERE DONE TO THE BEST OF THE INDIVIDUALS ABILITY, AND UNDER NO CIRCUMSTANCES IS ANY WORK TO BE PERFORMED OR ACTION TAKEN AS A RESULT OF THIS REPORT PRIOR TO FULL REVIEW AND APPROVAL BY THE PROPER GOVERNING AUTHORITIES.

DO NOT DRIVE ON OR ALTER SOIL IN SITE EVALUATION AREA

Signed: *[Signature]*

Date: *7-15-05*



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

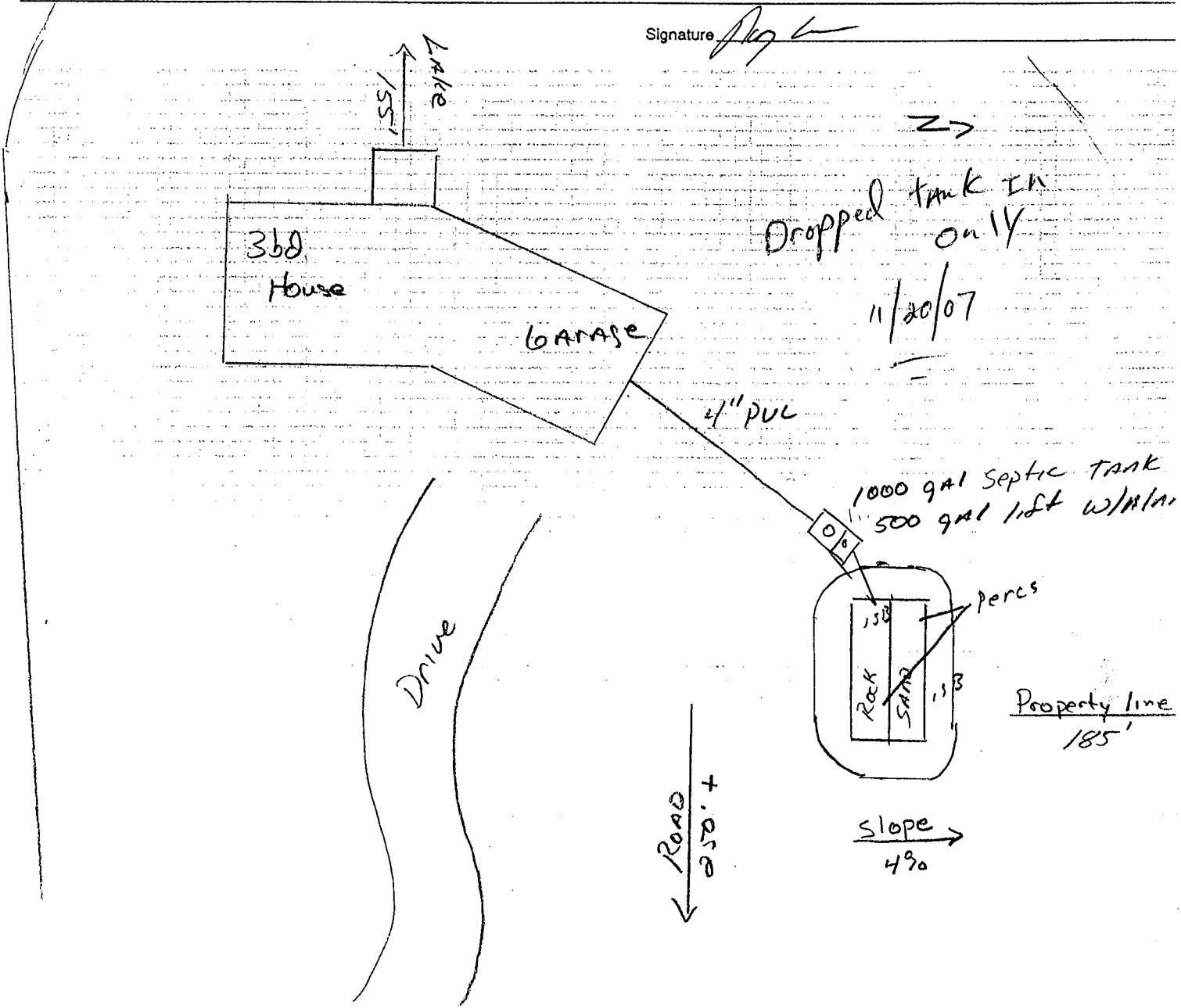
Scale of Diagram: 1 inch = 30' feet

Drawing By: Randy Anderson

Date of Drawing: 7-15-05

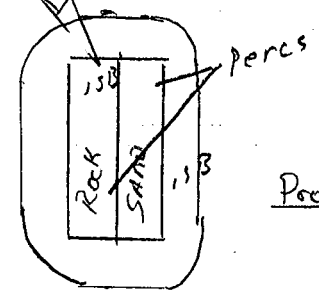
Remarks: _____

Signature [Signature]



Dropped tank in only
11/20/07

1000 gal septic tank
500 gal lift w/m/l/r



Property line
185'

Road
250' +

Slope
49%

Septic 07.0403.000 2005

Percolation Test Report

ID No: 80

Customer Name: Chet Beaudine
Date: 7/15/2005

Tests By: Anderson On-Site
DRP: Randy Anderson
MPCA License No: 634

Site Address:

Lot 3 Blk 1 South shore
Lake Park, MN 56554

Becker County

Legal Description:

Cuba Twp.
Section 34

Perc Test Hole Two

Filling Method: Siphon

Hole Diameter: 6 In

Soil Profile

Depth (In)	Soil Color	Soil Color Description	Soil Texture
0 to 9	10 yr 2/2	Very Dark Brown	Loam, Moderate, Blocky
9 to 15	2.5 y 4/4	Olive Brown	Loam, Moderate, Blocky

Start Time	End Time	Interval (min)	Start Depth (in)	End Depth (in)	Water Drop (in)	Perc Rate (mpi)
12:00 PM	12:20 PM	20	8	7.13	0.87	23
12:20 PM	12:40 PM	20	8	7.13	0.87	23
12:40 PM	12:55 PM	15	8	7.38	0.62	24.2

Summary for Percolation Test Hole Perc Test Hole Two

Average Perc Rate: 23.4 mpi

Fastest Perc Rate: 23 mpi

Slowest Perc Rate: 24.2 mpi

septic 2005

07.0403.000

ID No: 80

Percolation Test Report

Customer Name: Chet Beaudine
Date: 7/15/2005

Tests By: Anderson On-Site
DRP: Randy Anderson
MPCA License No: 634

Site Address: Lot 3 Blk 1 South shore Lake Park, MN 56554 Becker County	Legal Description: Cuba Twp. Section 34
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Perc Test Hole One

Filling Method: Siphon

Hole Diameter: 6 In

Soil Profile			
Depth (In)	Soil Color	Soil Color Description	Soil Texture
0 to 10	10 yr 2/1	Black	Loam, Moderate, Blocky
10 to 14	2.5 y 4/4	Olive Brown	Loam, Moderate, Blocky

Start Time	End Time	Interval (min)	Start Depth (in)	End Depth (in)	Water Drop (in)	Perc Rate (mpi)
11:00 AM	11:15 AM	15	8	7.13	0.87	17.2
11:15 AM	11:30 AM	15	8	7.13	0.87	17.2
11:30 AM	11:45 AM	15	8	7.13	0.87	17.2

Summary for Percolation Test Hole Perc Test Hole One

Average Perc Rate: 17.2 mpi

Fastest Perc Rate: 17.2 mpi

Slowest Perc Rate: 17.2 mpi

Mound Sewage Treatment System Design

07.0403.000 2005 Septic ID No.:

For: Chet Beaudine
Date: 7/15/2005

Designer Name: Anderson On-Site
DRP: Randy Anderson
MPCA License No: 634

Job Address:

Lot 3 Blk 1 South shore
Lake Park, MN 56554

Becker County

Legal Description:

Cuba Twp., Section 34
Becker County

Delivery, Soils, and Site Information

Flow Rate: 450 GPD	Landslope: 4 %	System Type: Standard
Septic Tank 1 Capacity: 1000 Gal	Percolation Rate: 23 MPI	Structure Type: Residential
Septic Tank 2 Capacity: Gal	Restrict Layer Depth: 28 In	Construction Type: New
Lift Station Capacity: 500 Gal	Garbage Disposal: No	Soil Texture: Loam
	Raw Sewage Pump: No	Soil Structure: Blocky
		Soil Structure Grade: Moderate

System Design Specifications

Clean Sand SSF: 0.83 GPD / Sq Ft
Rock Area: 380 Sq Ft
Rockbed Width: 10 Ft
Rockbed Length: 38 Ft

Rock Volume	
Cubic Feet:	380
Cubic Yards:	14
Tonnage:	20

Washed Sand Volume: 86 Cu Yds
Fill Cover Volume: 60 Cu. Yds
Topsoil Volume: 92 Cu. Yds
Linear Loading Rate: 12 GPD / Ft

Absorbtion Width Ratio: 2
Absorbtion Width: 20 Ft
Minimum Mound Width (Slopes less than 1%) OR
Minimum Downslope Width (Slopes 1% or more): 10 Ft
Clean Sand Upslope: 12 In
Mound Height Upslope: 3 Ft
Upslope Berm Ratio: 4 Ft
Upslope Berm Width: 10 Ft
Elevation Drop: 0.4 Ft
Mound Height Downslope: 3.4 Ft
Downslope Berm Ratio: 4 Ft
Downslope Berm Width: 16 Ft
Actual Mound Width: 36 Ft
Actual Mound Length: 58 Ft

Pump Capacity

Number of Laterals: 3
Lateral Diameter: 2.0 In
Perforation Diameter: 0.25 In
Perforation Spacing: 3 Ft
Perforation Head: 1 Ft
Perforation GPM: 0.74 Ft
Perforations Per Lateral: 13
Maximum Perforations / Lateral: 26
Total Perforations: 39
Lateral Length: 36 Ft
Pump Capacity: 28.9 GPM

Pump Head

Elevation Difference -
Pump to Discharge Point: 9 Ft
Total Pipe Length: 25 Ft
Pipe Diameter: 2 In
Friction Loss Per Foot: 1.7
Total Friction Loss: 0.5 Ft
Manifold Location: End
Total Head: 14.5 Ft

Comments: Number of bedrooms: 3. Install under dry conditions. Verify pump head before installing system.

LOCAL UNIT OF GOVERNMENT: APPROVED ADDITIONAL INFORMATION NEEDED DESIGN WORKSHEETS REQUIRED

Septic
2005

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 07-0403-000

(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 34 Township 140 Range 43 Township Name Cuba

Lake Name Duck Lake Classification NE

Legal Description: Lot 3 Bk1 South Shore

Project Address: _____

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

Owner's First Name Chet Owner's Last Name Beaudine

Mailing Address bx 149 City, State, Zip Lake Park, MN 56554

Phone Number 218-530-0055

3. DESIGNER/INSTALLER INFORMATION

Designer Name Randy Anderson Company Name Anderson ON-SITE License # 634

Address P.O. 1421 Detroit Lakes, MN Phone Number 218-849-3072

Installer Name _____ Company Name _____ License # _____

Address _____ Phone Number _____

4. SYSTEM DESIGN INFORMATION

Date of Site Evaluation 7-14-05

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 450 Gallons Per Day
Number of Bedrooms 3
Garbage Disposal _____ Yes No
Grinder Pump in House _____ Yes No
Lift station in House _____ Yes No

Well Depth to be drilled
Depth of other wells within
100 ft of system NA

Original Soil Compacted Soil _____
Type of Soil Observation
____ Pit Probe _____ Boring _____
Depth to Restricting Layer 28"
Maximum Depth of System 170"

Septic 200 0 110400000
 Type of Alarm Electric
 Size of Lift Pump 29 gpm 14.5' Hrs
 Size of Lift Line 2"

Size of All Tanks to Be installed
1000 gal Septic Tank
500 gal Lift Station
 ___ gal Holding Tank
 ___ gal Other Tanks

Type of Drainfield Medium to be used
 ___ Chamber
 ___ H10 EQ36
 Drainfield Rock
 ___ 12 Rock Depth
 ___ Gravelless
 ___ Experimental
 ___ No Drainfield

Type of Drainfield to be installed Size of Drainfield sq ft to be installed
 ___ Trench _____ sq ft
 ___ At-grade _____ sq ft
 ___ Pressure Bed _____ sq ft
 ___ Seepage Bed _____ sq ft
 Mound 760 sq ft

SETBACKS
 TANK DRAINFIELD
 Distance to Well To be Drilled
 Distance to Building 60 80
 Distance to Property Line 195 185
 Distance to OHW 175 180
 Distance to Pressure Line 2 -

Perc Rate 23.4 Soil Sizing Factor 1.67 *If SSF other than .83, attach Perc Test Data

Depth	Texture	Color	Structure		Depth	Texture	Color	Structure
0-10	10AM	10YR ^{2/1}	Blocky		0-8	10AM	10YR ^{2/1}	Blocky
10-26	10AM	2.5Y 4/4	✓		8-29	10AM	2.5Y 4/4	✓
26-34	clay 10AM	2.5Y 5/4	✓		29-36	clay 10AM	2.5Y 5/4	✓

5. 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).

Randy Anderson
 Signature of Designer

7-14-05
 Date

*****FOR OFFICE USE ONLY*****
 Application Approved by: _____ Date: _____
 Amount Paid _____ Receipt Number _____ Permit Number _____

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)
 Date System Installed _____ Inspected by _____

Size of All Tanks to Be installed
1000 gal Septic Tank
500 gal Lift Station
 _____ gal Holding Tank
 _____ gal Other Tanks

Type of Drainfield Medium to be used
 _____ Chamber
 _____ H10 _____ EQ36
 Drainfield Rock
 _____ 12 Rock Depth
 _____ Gravelless
 _____ Experimental
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 _____ Seepage Bed _____ sq ft
 Mound 760 sq ft

SETBACKS
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 Distance to Well to be drilled
 Distance to Building 60 80
 Distance to Property Line 195 185
 Distance to OHW 175 180
 Distance to Pressure Line - -

Perc Rate 23.4 Soil Sizing Factor 1.67 *If SSF other than .83, attach Perc Test Data

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[Signature]
 Signature of Designer

7-14-05
 Date

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

Application Approved by: [Signature] Date: 7-20-05
 Amount Paid 1000.00 Receipt Number 86381 Permit Number 310507

CERTIFICATE OF COMPLIANCE

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Installer Name _____ Company Name _____ License # _____

Address _____ Phone Number _____

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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 28"
Maximum Depth of System Manual