



Septic System Compliance Inspection – Existing System

Date: 08/21/2024

Property Owner: Darian Brend

Ordered By: Darian Brend

Address: 29331 427th Avenue, Aitkin, MN 56431

Property ID: 07-0-061200

Inspector: Tim Woodrow

A compliance inspection was performed at the above location. Previous evaluations were used to determine the level of seasonal saturated soil. The Soil Treatment Area (Drain field) was also inspected to ensure there was no ponding or leaking. The septic tank was pumped and inspected. This onsite system was found to be **Compliant**.

- **Impact On Public Health:**
System is Compliant

- **Tank Integrity:**
Tank(s) are compliant

- **Other Compliance Conditions:**
None

- **Soil Separation**
Soils are compliant

- **Operating Permit and Nitrogen BMP**
NA

I have included a copy of the compliance documents for your record. I have also sent a copy to Aitkin County for their records. If you have any questions, please do not hesitate to give us a call.

Thanks!

Tim Woodrow
Owner

218-927-6175

218-927-6175

1037 1st St. NW Aitkin, MN 56431

WWW.TIMBERLAKESSEPTIC.COM



DISCLAIMER:

The septic system inspection conducted for this property meets MPCA requirements for existing systems.

We recommend this system to be serviced and evaluated at least every 36 months by a septic professional.

Any additions to the home or increased use of the home may require an increase in system capacity.

1. Compliance Requirements evaluated as part of this inspection include the verification that the system tanks do not leak below the designed operating depth, the required separation between the bottom of the subsurface distribution medium and the seasonally saturated soils if applicable, no discharge of septage/effluent to the ground surface or surface water and no imminent safety hazards exist. Timber Lakes Septic Inc does not inspect interior pumps, plumbing, or associated components.
2. Certification of this system does not warranty future use beyond the date of inspection. Any system, new or old, can be hydraulically overloaded and discharge to ground surface as a result of increase use (more people in house, faulty plumbing fixtures, change in habits, groundwater infiltration etc), improper maintenance, tree roots, freezing conditions, surface drainage problems, etc. The system can also stop working simply due to its age. The life expectancy of a system is variable and dependent upon the items previously listed. Proper maintenance and water conservation will help contribute to a longer system life.
3. A compliance inspection is not meant to be a test or inspection of longevity of the system. A compliance inspection is for the purpose of verifying if the system is protective of public health and safety as well as protecting the ground water at the date and time the inspection was performed. This inspection is not intended to determine if the system was originally designed or installed to past or present MPCA/Local Government Unit Code requirements. This inspection is not intended to determine if the system was designed and/or installed to support the anticipated flow from buildings as the use of the buildings may have changed since the original design was completed. These changes may include additional bedrooms, occupants, increased use, etc. In addition, this inspection is not intended to determine the quality of the original system design, quality of the construction practices during installation, or quality of materials used.
4. Timber Lakes Septic Inc. has not been retained to warranty, guarantee, or certify the proper functioning of the ISTS system for any period of time beyond the date of inspection or into the future. There are numerous factors which may affect the proper operation of a ISTS System and the inability of Timber Lakes Septic to supervise or monitor the use or maintenance of the ISTS System, the Compliance Report shall not be construed as a warranty or guarantee of future system performance.
5. By accepting this report, the client understands that Timber Lakes Septic will not be responsible for any monetary damages exceeding the fee for services provided.
6. This Report is prepared for the person or rep of the person providing payment for the fees charged.

Compliance inspection report form

Existing Subsurface Sewage Treatment System (SSTS)

Doc Type: Compliance and Enforcement

Instructions: Inspector must submit completed form to Local Governmental Unit (LGU) and system owner within 15 days of final determination of compliance or noncompliance. Instructions for filling out this form are located on the Minnesota Pollution Control Agency (MPCA) website at <https://www.pca.state.mn.us/sites/default/files/wq-wwists4-31a.pdf>.

Property information

Local tracking number: _____

Parcel ID# or Sec/Twp/Range: 07-0-061200 Reason for Inspection Permit

Local regulatory authority info: Aitkin County

Property address: 29331 427th Avenue, Aitkin, MN 56431

Owner/representative: Darian Brend Owner's phone: 952-412-5333

Brief system description: 1200 gallon septic tank and 1120/530 gallon septic/lift combination tank to 10' by 25' mound

System status

System status on date (mm/dd/yyyy): 8/21/2024

Compliant – Certificate of compliance*

Noncompliant – Notice of noncompliance

(Valid for 3 years from report date unless evidence of an imminent threat to public health or safety requiring removal and abatement under section 145A.04, subdivision 8 is discovered or a shorter time frame exists in Local Ordinance.)

Systems failing to protect ground water must be upgraded, replaced, or use discontinued within the time required by local ordinance.

An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance or under section 145A.04 subdivision 8.

***Note: Compliance indicates conformance with Minn. R. 7080.1500 as of system status date above and does not guarantee future performance.**

Reason(s) for noncompliance (check all applicable)

- Impact on public health (Compliance component #1) – *Imminent threat to public health and safety*
- Tank integrity (Compliance component #2) – *Failing to protect groundwater*
- Other Compliance Conditions (Compliance component #3) – *Imminent threat to public health and safety*
- Other Compliance Conditions (Compliance component #3) – *Failing to protect groundwater*
- System not abandoned according to Minn. R. 7080.2500 (Compliance component #3) – *Failing to protect groundwater*
- Soil separation (Compliance component #5) – *Failing to protect groundwater*
- Operating permit/monitoring plan requirements (Compliance component #4) – *Noncompliant - local ordinance applies*

Comments or recommendations

Certification

I hereby 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.

By typing my name below, I certify the above statements to be true and correct, to the best of my knowledge, and that this information can be used for the purpose of processing this form.

Business name: Timber Lakes Septic Service Certification number: C7644

Inspector signature: Tim Woodrow License number: L455

(This document has been electronically signed) Phone: 218-927-6175

Necessary or locally required supporting documentation (must be attached)

- Soil observation logs
- System/As-Built
- Locally required forms
- Tank Integrity Assessment
- Operating Permit
- Other information (list): _____

Property Address: 29331 427th Avenue, Aitkin, MN 56431

Business Name: Timber Lakes Septic Service

Date: 8/21/2024

1. Impact on public health – Compliance component #1 of 5

Compliance criteria:

System discharges sewage to the ground surface	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
System discharges sewage to drain tile or surface waters.	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
System causes sewage backup into dwelling or establishment.	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No

Any "yes" answer above indicates the system is an imminent threat to public health and safety.

Describe verification methods and results:

Attached supporting documentation:

- Other: _____
- Not applicable

2. Tank integrity – Compliance component #2 of 5

Compliance criteria:

System consists of a seepage pit, cesspool, drywell, leaching pit, or other pit?	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
Sewage tank(s) leak below their designed operating depth?	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
If yes, which sewage tank(s) leaks:	

Any "yes" answer above indicates the system is failing to protect groundwater.

Describe verification methods and results:

Attached supporting documentation:

- Empty tank(s) viewed by inspector
- Name of maintenance business: _____
- License number of maintenance business: _____
- Date of maintenance: _____
- Existing tank integrity assessment (Attach)
- Date of maintenance 8/15/2024
(mm/dd/yyyy): (must be within three years)
- (See form instructions to ensure assessment complies with Minn. R. 7082.0700 subp. 4 B (1))*
- Tank is Noncompliant (pumping not necessary – explain below)
- Other: _____

3. Other compliance conditions – Compliance component #3 of 5

3a. Maintenance hole covers appear to be structurally unsound (damaged, cracked, etc.), or unsecured?

Yes* No Unknown

3b. Other issues (electrical hazards, etc.) to immediately and adversely impact public health or safety? Yes* No Unknown

*Yes to 3a or 3b - System is an imminent threat to public health and safety.

3c. System is non-protective of ground water for other conditions as determined by inspector? Yes* No

3d. System not abandoned in accordance with Minn. R. 7080.2500? Yes* No

*Yes to 3c or 3d - System is failing to protect groundwater.

Describe verification methods and results:

Attached supporting documentation: Not applicable

4. Operating permit and nitrogen BMP* – Compliance component #4 of 5 Not applicable

Is the system operated under an Operating Permit? Yes No If "yes", A below is required

Is the system required to employ a Nitrogen BMP specified in the system design? Yes No If "yes", B below is required

BMP = Best Management Practice(s) specified in the system design

If the answer to both questions is "no", this section does not need to be completed.

Compliance criteria:

a. Have the operating permit requirements been met? Yes No

b. Is the required nitrogen BMP in place and properly functioning? Yes No

Any "no" answer indicates noncompliance.

Describe verification methods and results:

Attached supporting documentation: Operating permit (Attach)

5. Soil separation – Compliance component #5 of 5

Date of installation 6/8/2016 Unknown
(mm/dd/yyyy)

Shoreland/Wellhead protection/Food beverage lodging? Yes No

Attached supporting documentation:

- Soil observation logs completed for the report
- Two previous verifications of required vertical separation
- Not applicable (No soil treatment area)
- _____

Compliance criteria (select one):

5a. For systems built prior to April 1, 1996, and not located in Shoreland or Wellhead Protection Area or not serving a food, beverage or lodging establishment: Yes No*

Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.

5b. 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*

Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*

5c. "Experimental", "Other", or "Performance" systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules 7080.2350 or 7080.2400 (Intermediate Inspector License required ≤ 2,500 gallons per day; Advanced Inspector License required > 2,500 gallons per day) Yes No*

Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.

Indicate depths or elevations

A. Bottom of distribution media	
B. Periodically saturated soil/bedrock	
C. System separation	
D. Required compliance separation*	

*May be reduced up to 15 percent if allowed by Local Ordinance.

***Any "no" answer above indicates the system is failing to protect groundwater.**

Describe verification methods and results:

Upgrade requirements: (Minn. Stat. § 115.55) An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance. If the system is failing to protect ground water, the system must be upgraded, replaced, or its use discontinued within the time required by local ordinance. If an existing system is not failing as defined in law, and has at least two feet of design soil separation, then the system need not be upgraded, repaired, replaced, or its use discontinued, notwithstanding any local ordinance that is more strict. This provision does not apply to systems in shoreland areas, Wellhead Protection Areas, or those used in connection with food, beverage, and lodging establishments as defined in law.

Sewage tank integrity assessment form

Subsurface Sewage Treatment Systems (SSTS) Program

Doc Type: Compliance and Enforcement

Purpose: This form *may* be used to certify the compliance status of the sewage tank components of the SSTS. **This form is not a complete SSTS inspection report, only a tank integrity assessment, and may only certify sewage tank compliance status when entirely completed and signed by a qualified professional.** SSTS compliance inspection report forms can be found at: <https://www.pca.state.mn.us/water/inspections>.

Instructions: This form may be completed, and signed, by a Designated Certified Individual (DCI) of a licensed SSTS inspection, maintenance, installation, or service provider business who personally conducts the necessary procedures to assess the compliance status of each sewage tank in the system. Only a licensed maintenance business is authorized to pump the tank for assessment. A copy of this information should be submitted to the system owner and be maintained by the licensed SSTS business for a period of five (5) years from the assessment date.

When this form is signed by a qualified certified professional, it becomes *necessary supporting documentation* to an Existing System Compliance Inspection Report: [Compliance inspection form - Existing system \(wq-wwists4-31b\)](#). This form can be found on the MPCA website at <https://www.pca.state.mn.us/water/inspections>.

The information and certified statement on this form is **required** when existing septic tank compliance status is determined by an individual other than the SSTS Inspector that submits an inspection report. This form represents a third party assessment of SSTS component compliance and is allowable under Minn. R. 7082.0700, subp. 4(B)(1). This form is valid for a period of three years beyond the signature date on this form unless a new evaluation is requested by the owner or owner's agent or is required according to local regulations. Additional Administrative Rule references for this activity can be found at Minn. R. 7082.0700, subp. 4(B),(C), and (D) and; Minn. R. 7083.0730(C).

Owner information

Owner/Representative Brend, Darian

Property address: 29331 427th Ave, Aitkin, MN 56431

Local Regulatory Authority: Aitkin County

Parcel ID: 07-0-061200

System status

System status on date (mm/dd/yyyy): 8/15/2024

Certificate of sewage tank compliance

Notice of sewage tank non-compliance

Compliance criteria:

The SSTS has a seepage pit, cesspool, drywell, leaching pit, or other pit - "Failure to Protect Groundwater."	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
The SSTS has a sewage tank that leaks below the designed operating depth - "Failure to Protect Groundwater."	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No
The SSTS presents a threat to public safety by reason of structurally unsound (damaged, cracked, or weak) maintenance hole cover(s) or lids or any other unsafe condition - "Imminent Threat to Public Health or Safety."	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No

Any "yes" answer above indicates sewage tank non-compliance.

Company information

Company name: Timber Lakes Septic Service Inc

Business license number: L455

Designated Certified Individual (DCI) information

Print name: Dan Swanson

Certification number: C6023

I personally conducted the work described above as a Designated Certified Individual of a Minnesota-licensed SSTS inspection, maintenance, installation, or service provider Business. I personally conducted the necessary procedures to assess the compliance status of each sewage tank in this SSTS.

By typing/signing my name below, I certify the above statements to be true and correct, to the best of my knowledge, and that this information can be used for the purpose of processing this form.

Designated Certified Individual's signature: Dan Swanson

(This document has been electronically signed.)

Date (mm/dd/yyyy): 8/15/2024

AITKIN COUNTY
CERTIFICATE OF INSTALLATION/NOTICE OF NONCOMPLIANCE

This certificate of installation/~~notice of noncompliance~~ has been issued this 15th day of June, 20 16 to certify compliance/~~noncompliance~~ with Aitkin County's Subsurface Sewage Treatment System Ordinance.

The premises covered by this certificate are legally described as: 3.12 AC OF LOT 4 AS IN DOC 431293

Section 27 Township 46 Range 27 Lake Little Pine
PERMIT NO. 41682 Owner Name Douglas Bendorf
Address 29331 427th Ave., Aitkin, MN 56431
Installer Name Mark Ritter
Type of System Inspected T1 2BR Mound
Parcel Number 07-0-061200

The certificate of installation/~~notice of noncompliance~~ was based on No 1 of the following:

- 1) Inspection of the installation or construction as in accordance with the above referenced permit and application design.
- 2) Review of as-built plans submitted in accordance with Subdivision 9.2 D of Aitkin County's Subsurface Sewage Treatment System Ordinance.

If the above permitted subsurface sewage treatment system is in noncompliance with Aitkin County's Subsurface Sewage Treatment System Ordinance, then the following shall serve as a Notice of Violation:

- 1) Statement of the findings of fact through inspections or investigations:

2) List of specific violations of Ordinance: _____

3) Requirements for correction or removal of violations: _____

4) Time schedule for compliance: _____

Failure to correct or remove the above violation(s) will result in this matter being turned over to the Aitkin County Attorney's Office for further legal action, which may result in revocation of licenses or registrations, fines and/or imprisonment.

INSPECTOR SIGNATURE Bryan Hargrave

INDIVIDUAL SEWAGE TREATMENT SYSTEM INSPECTION FORM
AITKIN COUNTY, MINNESOTA

Township Farm Island Date of Inspection Initial: 6/1/2016
Final: 6/8/2016 Permit Number 41682

Owner Douglas Bendorf Parcel Number 07-0-061200

Project Address 29331 427th Ave., Aitkin, MN 56431 Installer Mark Ritter

City Aitkin Zip Code 56431 T1 2BR Mound

New Repair

SETBACKS:

Buildings to tank(s) 22' to ex. tank
Buildings to drainfield 20' to garage
Well(s) 50' or 100' 53' to ex. tank
Lake/Creek/Wetland Little Pine Lake

SEPTIC TANKS: New Existing

Number of tanks installed 1 new, 1 existing
Liquid capacity and type 1200 ex., 1650 Jac. comp. new
Type of baffle Plastic
Inspection pipes 1 6"
Manholes size 24"
Manhole to grade Yes No

PUMPS: New Existing

Tank capacity and type 533G of 1650 combo
Pump manufacturer & model # Gould PE51
Horsepower & GPM 1/2 HP 18 GPM min.
Feet of head 13' min.
Gallons per cycle -
Size of discharge line 2"
Type & location of alarm Electric alarm on tank
Water meter -

DIST. or DROP BOX & TYPE _____

TRENCHES, BEDS, OR GRAVELLESS LEACHFIELD:

Trench depth _____
Trench length _____
Trench bottom width _____
Trench spacing _____
Drainfield rock below pipe _____
Size of gravelless pipe _____
Depth of backfill _____
Absorption area: square feet _____
lineal feet _____

MOUNDS:

Percent slope 3%
Upslope dike width 11'
Downslope dike width 15'
Sideslope dike width 11'
Drainfield rock below pipe 9" of 12" total
Depth of sand below rock 24"
Perforation size & spacing 0.25" 36" sp.
Pipe size & spacing 1.5" 3.5" sp.
Dimensions of rock bed 10' X 25'
Dimensions of sand base 36' X 47'
Final cover 12" of cover material; 4" TS

DRAWING OF SYSTEM: (include soils)

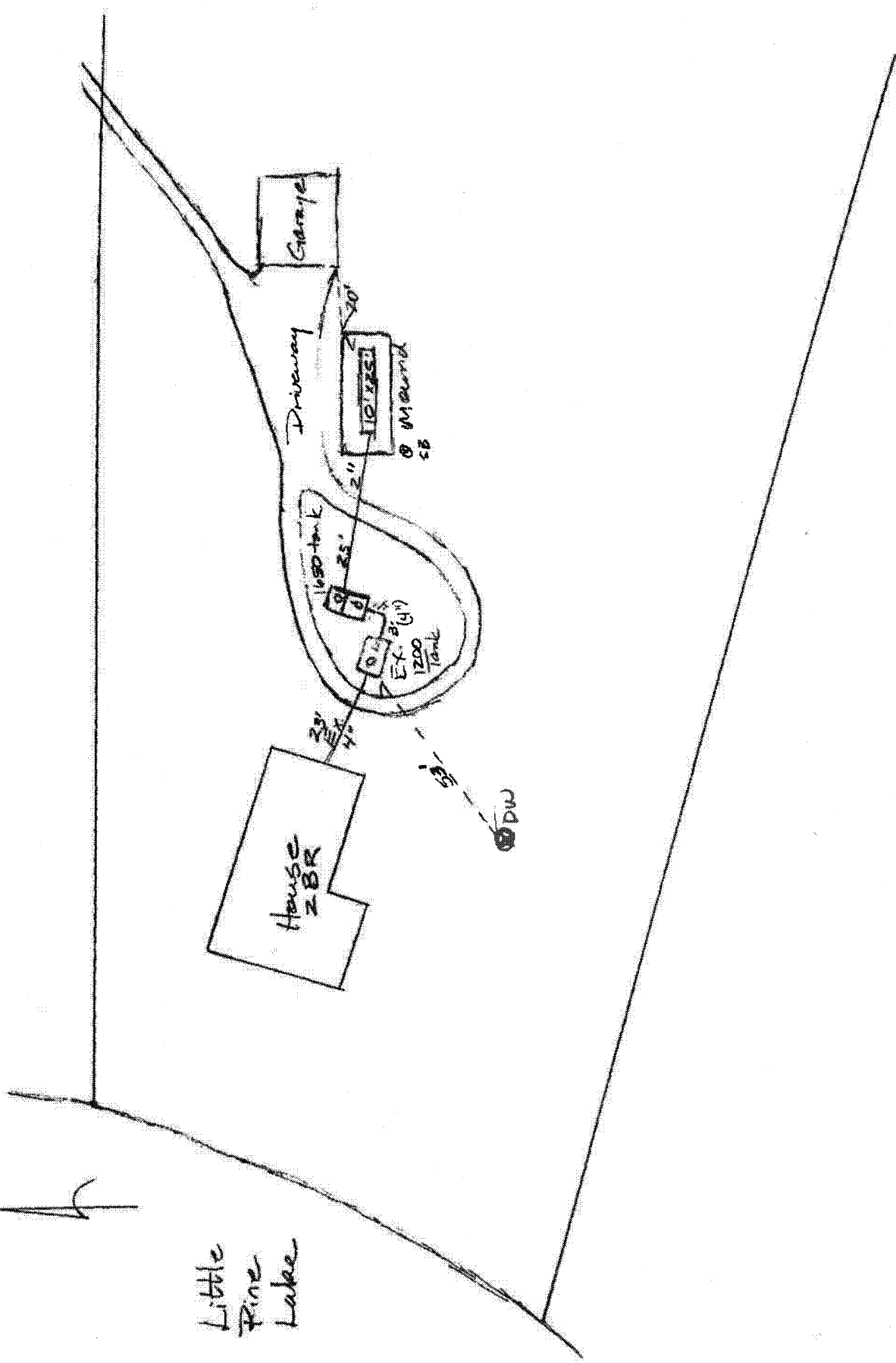
See attached site plan

Inspector's Comments: _____

Inspector's Signature Bryan Hargrave Installer's Signature Mark Ritter

2

Little
Pine
Lake



Soil

- A 0-12" 10YR2/1 L5
- E 12-18" 10YR5/2 L5
- ZB 18-28" 2.5YR3/4 L5
- 12" → redox due to zchromic

07-0-061200
6/18/2016
Mark Ritter inst

FIELD EVALUATION SHEET

PRELIMINARY EVALUATION DATE 10-1-15, FIELD EVALUATION DATE 10-29-15
PROPERTY OWNER: Gertrude Potz
ADDRESS: 29331 427th Ave CITY, STATE, ZIP: A. Ken MD 56431
LEGAL DESCRIPTION:
PIN# 07-0-061200 SEC 27 T. 46 R 22 TWP NAME Farm Island
FIRE# LAKE/RIVER Little Pine LAKE CLASS RD OHWL FT.

DESCRIPTION OF SOIL TREATMENT AREAS

AREA #1 AREA #2 REFERENCE BM ELEV. 100 FT.
DISTURBED AREAS YES NO X YES NO REFERENCE BM DESCRIPTION
COMPACTED AREAS YES NO X YES NO Top of existing
FLOODING YES NO X YES NO septic tank cover
RUN ON POTENTIAL YES X NO YES NO
SLOPE % 3%
DIRECTION OF SLOPE east
LANDSCAPE POSITION lawn
VEGETATION TYPES

DEPTH TO STANDING WATER OR MOTTLED SOIL: BORING# 1 28", 1A 22", 2 2A

BOTTOM ELEVATION--FIRST TRENCH OR BOTTOM OF ROCK BED: #1 99 FT., #2 FT.

SOIL SIZING FACTOR: SITE #1 SITE #2

CONSTRUCTION RELATED ISSUES:

LIC# 1672 SITE EVALUATOR SIGNATURE: [Signature]
SITE EVALUATOR NAME: Mark P. Riter TELEPHONE# 927-4125
LUG REVIEW (KT) 10-30-15 DATE

Comments:

SOIL BORING LOGS ON REVERSE SIDE

APPROVED

ONSITE INSPECTION
NO ONSITE INSPECTION

Form des 2/20/98

10/10

SIGN (KT) DATE 10-30-15

SOILS CHARTS FOR BOTH PROPOSED AND ALTERNATE SITES

1 (PROPOSED) SOILS DATA

DEPTH (INCHES)	TEXTURE	MUNSELL COLOR
0 to 6"	Topsoil	Black/soil
6 to 24"	Soddy Mottling 2-4"	10YR 4/4

2 (PROPOSED) SOILS DATA

DEPTH (INCHES)	TEXTURE	MUNSELL COLOR
0 to 4"	Topsoil	
4 to 26"	Soddy Mottling 2-6"	10YR 4/4 Lean

1 (ALTERNATE) SOILS DATA

DEPTH (INCHES)	TEXTURE	MUNSELL COLOR

2 (ALTERNATE) SOILS DATA

DEPTH (INCHES)	TEXTURE	MUNSELL COLOR

RF 10-30-15

ADDITIONAL SOIL BORINGS MAY BE REQUIRED

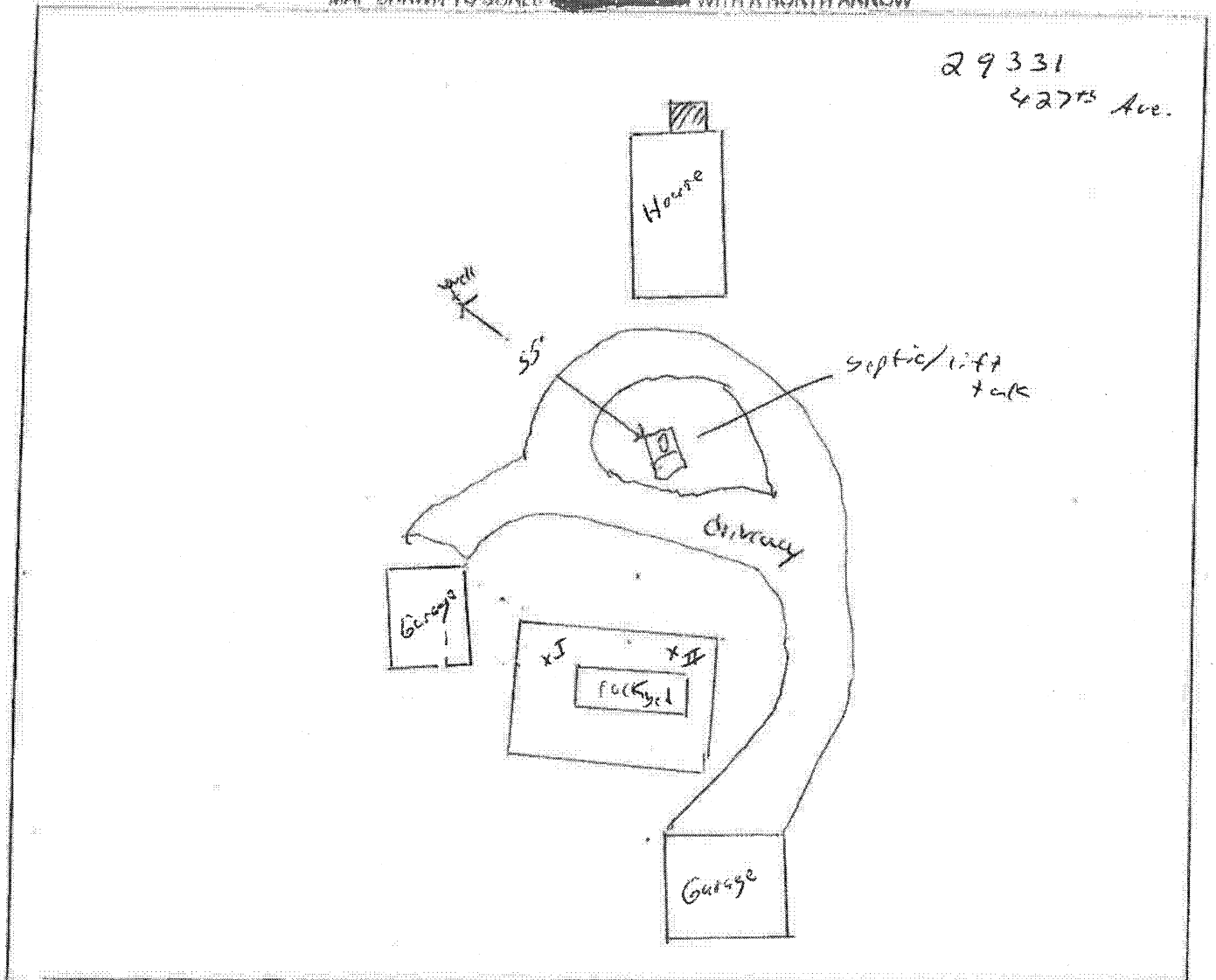
CLIENT: Botz

SKETCH SHEET

DATE: 10-29-15

MAP DRAWN TO SCALE WITH A NORTH ARROW

29331
427th Ave.



CHECK OFF LIST--HAVE ALL OF THE FOLLOWING BEEN DRAWN ON THE MAP??

SHOW EXISTING OR PROPOSED

- WATER WELLS WITHIN 100 FT OF TREATMENT AREAS
- PRESSURE WATER LINES WITHIN 10 FT OF TREATMENT AREAS
- STRUCTURES
- ALL SOIL TREATMENT AREAS
- HORIZONTAL AND VERTICAL REFERENCE
- POINT OF SOIL BORINGS
- LOT EASEMENTS
- DISTURBED/ COMPACTED AREAS
- SITE PROTECTION--LATHE AND RIBBON EVERY 15 FT
- ACCESS ROUTE FOR TANK MAINTENANCE
- LOT IMPROVEMENTS
- ALL ISTS COMPONENTS
- DIRECTION OF SLOPE
- ALL LOT DIMENSIONS

INDICATE ELEVATIONS

BENCHMARK	100'
ELEVATION OF SEWER LINE @ HOUSE	
ELEVATION @ TANK INLET	98
ELEVATION @ BOTTOM OF ROCK LAYER	99
ELEVATION @ BOTTOM OF BORING OR RESTRICTIVE LAYER	96
ELEVATION OF PUMP	90
ELEVATION OF DISTRIBUTION DEVICE	99.8

REQUIRED SETBACKS

- STRUCTURES
- OHWL
- PROPERTY LINES

COMMENTS:

DESIGNER SIGNATURE
LICENSE#

[Signature]
1673

DATE 10-29-15

KT 10-30-15

8 of 10

Top of mound 0"

Bottom of rock bed 18"

Bottom of washed sand 42"

0 to 4" topsoil 10YR 3/1 = 46"

4 to 12" sand 10YR 5/2 = 54"

boring stopped at 54" = 36" separation

8-2-21 Mark P. R. Jr

Parcel # 07-0-061200