

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: 0411723430008 Reason for Inspection Property Transfer  
Local regulatory authority info: City of Orono  
Property address: 820 Old Crystal Bay Road S.  
Owner/representative: Hans Frees Owner's phone: 763-286-2429  
Brief system description: Approximately 2-1000-gallon septic tanks, 1-1000-gallon lift station and 550 square feet of mound rock bed per city records.

## System status

System status on date (mm/dd/yyyy): 9/22/2025

☒ Compliant – Certificate of compliance\*

(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.)

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

☐ Noncompliant – Notice of noncompliance

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.

## 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

The system was design with 1.0 feet of sand under the rock bed.

TBM: Top of the lift station manhole cover. ELV.-100.0

Included are two sets of soil borings

## 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: Rusty Olson Soil &amp; percolation Testing

Certification number: C1255

Inspector signature: Joseph J. Olson

License number: L810

(This document has been electronically signed)

Phone: 763-498-8779

## 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: 820 Old Crystal Bay Road S.

Business Name: Rusty Olson Soil & percolation Testing

Date: 9/22/2025

## 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:

Visual. Nothing was found

### 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:

Duane's Septic Service pumped the tanks.

### 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 (mm/dd/yyyy): 8/13/2025  
(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: \_\_\_\_\_

Property Address: 820 Old Crystal Bay Road S.

Business Name: Rusty Olson Soil & percolation Testing

Date: 9/22/2025

### 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:**

Visual. Nothing was found

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) ☐



Property Address: 820 Old Crystal Bay Road S.  
Business Name: Rusty Olson Soil & percolation Testing

Date: 9/22/2025

## 5. Soil separation – Compliance component #5 of 5

Date of installation 5/8/1992 ☐ Unknown  
(mm/dd/yyyy)

Shoreland/Wellhead protection/Food beverage lodging? ☐ Yes ☒ No

### 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.

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

Describe verification methods and results:

### Attached supporting documentation:

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

### Indicate depths or elevations

|  |      |
|--|------|
| A. Bottom of distribution media        | 98.6 |
| B. Periodically saturated soil/bedrock | 95.6 |
| C. System separation                   | 3.0  |
| D. Required compliance separation*     | 2.0  |

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

**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.



MINNESOTA POLLUTION  
CONTROL AGENCY

520 Lafayette Road North  
St. Paul, MN 55155-4194

## 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). 3-1000's

### Owner information

Owner/Representative: Frees,  
Property address: 820 Old crystal Bay Rd  
Local Regulatory Authority: Orono Parcel ID: \_\_\_\_\_

### System status

System status on date (mm/dd/yyyy): 08/13/2025

☒ 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."

☐ Yes\* ☒ No

The SSTS has a sewage tank that leaks below the designed operating depth - "Failure to Protect Groundwater."

☐ Yes\* ☒ 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."

☐ Yes\* ☒ No

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

### Company information

Company name: Duane's Septic Service LLC

Business license number: L4286

### Designated Certified Individual (DCI) Information

Print name: Jim Eicher

Certification number: 68172

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: [Signature]  
(This document has been electronically signed.)

Date (mm/dd/yyyy): 08/13/2025

## SEPTIC SYSTEM INVENTORY

Site Address: 820 Old Crystal Bay Rd S

PID 04-117-23-43-0008

Owner Name: Keaton & Hans Frees

Owner Address: 820 Old Crystal Bay Rd S Wayzata MN 55391-

BuildingType: residence

Installer: Jerry Johnson

Date of Permit: 5/8/92

System Type: mound

BR's Designed for 4

In Musa?: Yes

Shoreland?:

### SEPTIC TANKS:

Material: precast concrete

Capacity: 1000, 1000, 1000

Tank Filter:

### DRAINFIELD:

Treatment Area: 90\*39

Soil Boring: yes

DF Ht above Wt: 3

### WELL DATA

Setbacks - Well Tanks: 50

Well DF: 75

Report In File: Depth:

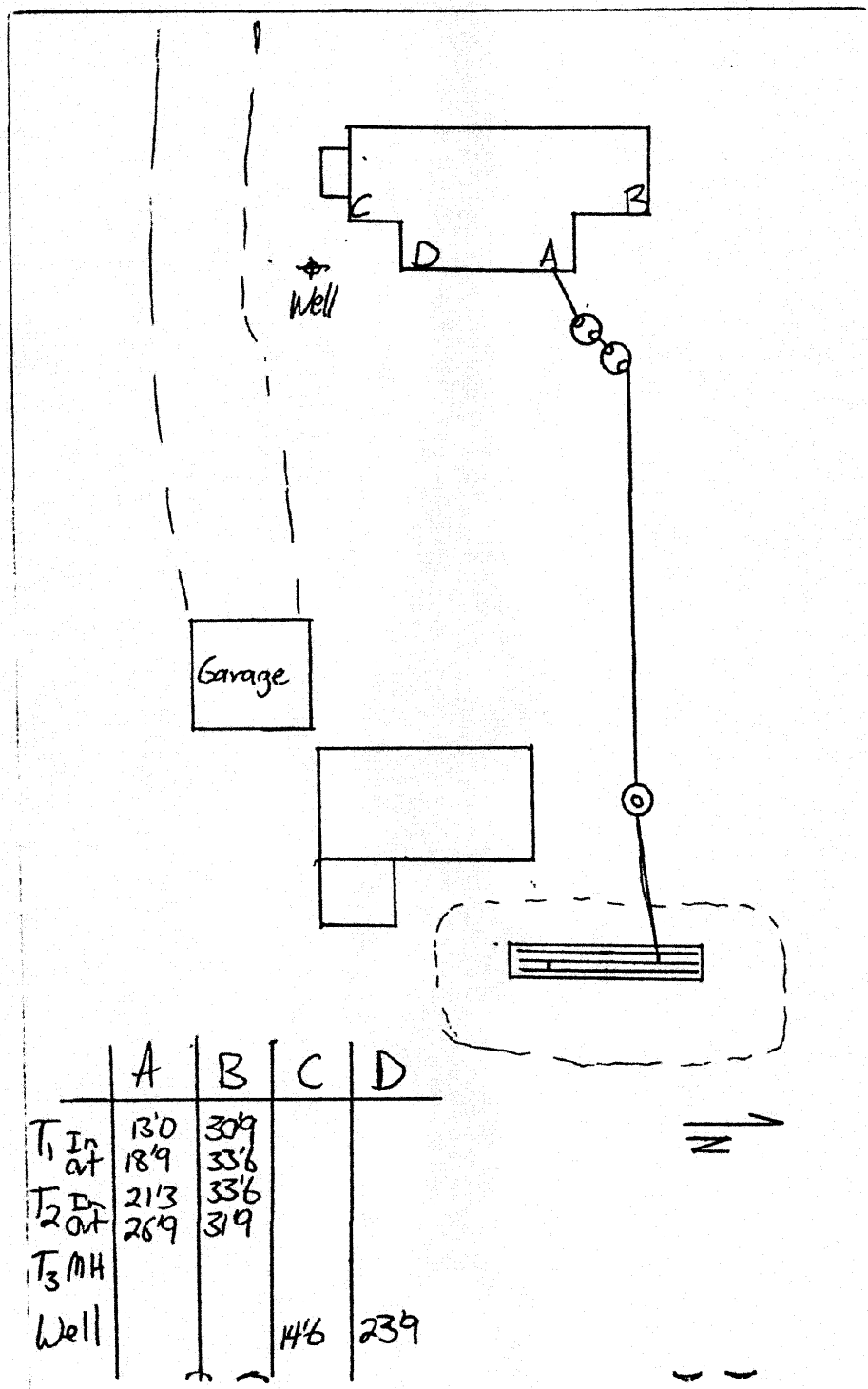
### INSPECTION RECORDS

| Date       | Notes   |
|------------|---|
| 12/6/2010  | Point of sale septic certification valid until 12/06/2013 |
| 9/9/2003   | no surfacing  |
| 8/28/2001  | no surfacing,pump tanks                                   |
| 10/29/1999 | code system, no surfacing                                 |
| 8/13/1997  | no surfacing-pump tanks                                   |
| 5/8/1992   | installation  |
| 5/8/1992   | installation  |

### PUMPOUT RECORDS

| Date       | GallonsOfLiquid |
|------------|-----------------|
| 9/16/2016  | 3000            |
| 5/3/2013   | 0               |
| 8/25/2010  | 2000            |
| 10/24/2007 | 2000            |
| 9/21/2001  | 2000            |
| 7/10/1998  | 2000            |
| 7/10/1998  | 2000            |

# 820 Old Crystal Bay Rd. S.



## LOGS OF SOIL BORINGS

Location or Project 820 OLD CRYSTAL BAY Rd.  
 Date 10/14/91  
 Borings made by R. Rich  
 Classification System: AASHTO       ; USDA-SCS X; Unified       ; other         
 Auger used (check two): Hand X, or Power       ; Flight       , or Bucket X; other       

| Depth,<br>in<br>feet | Boring number <u>1</u><br>Surface elevation <u>      </u><br><u>Primary</u> | Depth,<br>in<br>feet | Boring number <u>2</u><br>Surface elevation <u>      </u><br><u>Primary</u> |
|----------------------|---|----------------------|---|
| 0 —                  | <u>Topsail</u>  | 0 —                  | <u>Topsail</u>  |
| 1 —                  | <u>Black Loam</u>   | —                    | <u>Black Loam</u>   |
| 2 —                  | <u>12"</u>  | —                    | <u>12"</u>  |
| 3 —                  | <u>BROWN CLAY</u>   | —                    | <u>BROWN CLAY</u>   |
| 4 —                  | <u>Medium</u>   | —                    | <u>Medium</u>   |
| 5 —                  | <u>Texture</u>  | —                    | <u>Texture</u>  |
| 6 —                  | <u>54"</u>  | 5 —                  | <u>54"</u>  |
| 7 —                  | <u>Mottled Soil</u>   | —                    | <u>Mottled Soil</u>   |
| 8 —                  | <u>at 24 inches</u>   | —                    | <u>at 24 inches</u>   |
| 9 —                  |   | —                    |   |
| 10 —                 |   | 10 —                 |   |

End of boring at 4 1/2 feet.  
 Standing water table:  
 Present at        feet of depth,  
       hours after boring.  
 Not present in boring hole X.

Mottled soil:  
 Observed at 24" feet of depth.  
 Not present in boring hole       .

End of boring at 4 1/2 feet.  
 Standing water table:  
 Present at        feet of depth,  
       hours after boring.  
 Not present in boring hole X.

Mottled soil:  
 Observed at 24" feet of depth.  
 Not present in boring hole       .



# LOGS OF SOIL BORINGS

Location or Project

820 Old Crystal Bay Rd.

Borings made by

R. Keck

Date

10/14/91

Classification System: AASHTO

USDA-SCS

X

Unified

other

Auger used (check two):

Hand

X

or Power

Flight

or Bucket

X

other

Depth,  
in  
feet

Boring number

3

Surface elevation

Primary

0

1

2

3

4

5

6

7

8

9

10

Topsoil

Black loam

14"

Black clay

28"

Gray clay

42"

Brown clay

54"

Red + Gray

Mottled Soil.

at 24 inches

Depth,  
in  
feet

Boring number

4

Surface elevation

0

1

2

3

4

5

6

7

8

9

10

Topsoil

Black loam

14"

Dark Brown

SANDY CLAY

22"

Brown CLAY

54"

Mottled Soil

at 36 inches

End of boring at

4 1/2 feet.

Standing water table:

Present at

feet of depth,

hours after boring.

Not present in boring hole X.

Mottled soil:

Observed at

24"

feet of depth.

Not present in boring hole

End of boring at

4 1/2 feet.

Standing water table:

Present at

feet of depth,

hours after boring.

Not present in boring hole X.

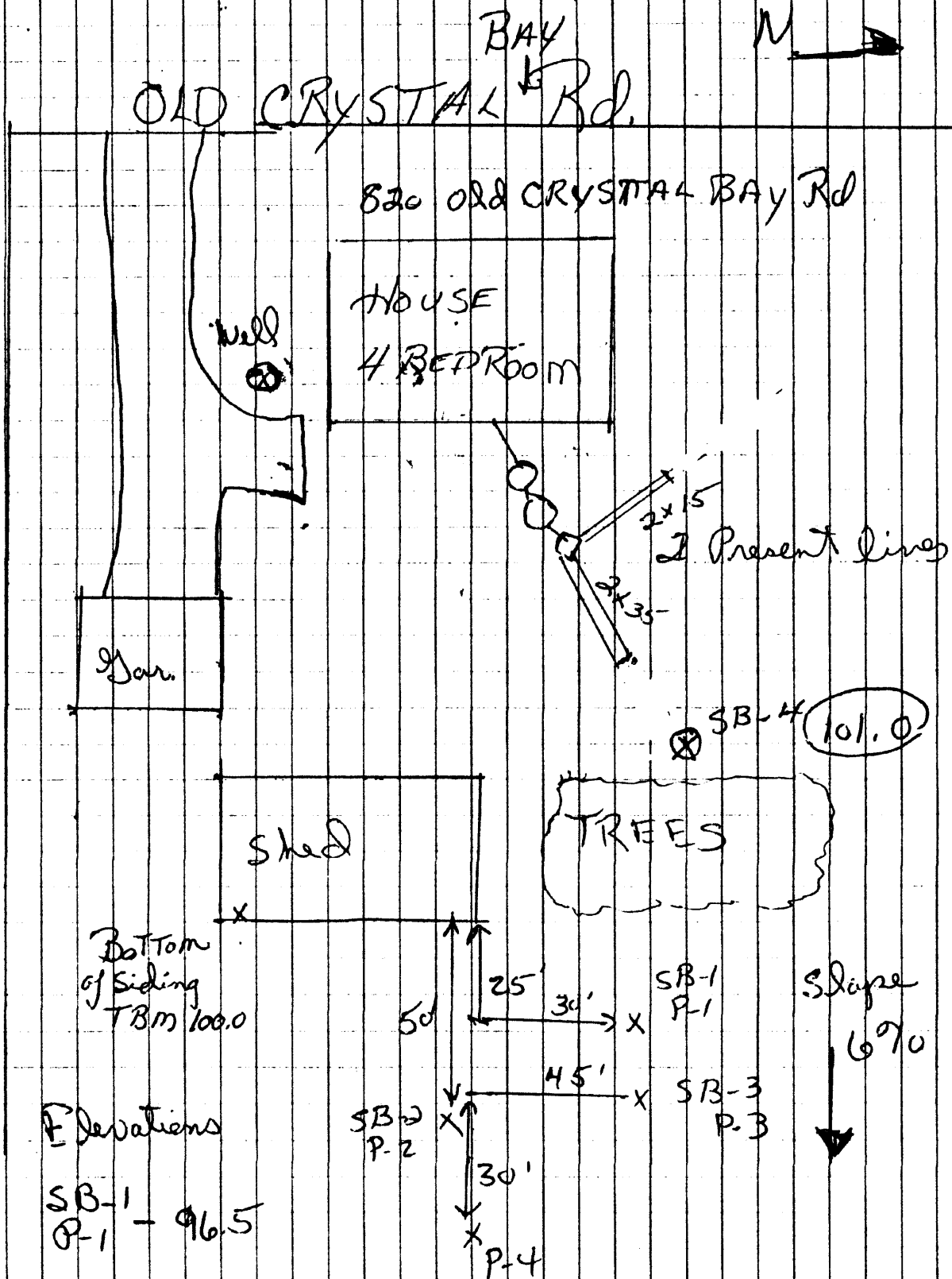
Mottled soil:

Observed at

36"

feet of depth.

Not present in boring hole



Elevations

- SB-1  
P-1 - 96.5
- SB-2  
P-2 - 95.5
- SB-3  
P-3 - 95.0
- P-4 - 93.5

# **S-P TESTING, INC.**

Steven B. Schirmers • MPCA Cert.No. 627

951 Katydid Lane NE • St. Michael, MN 55376 • (763) 497-3586

FAX • (763) 497-5011

State License #394

## **LOGS OF SOIL BORINGS**

Bridget Hust  
820 S. Old Crystal Bay Rd.  
Orono, Henn. Co., MN

Borings completed on 11-1-2010, with a hand bucket auger.

**BORING NUMBER 1-** Elev.98.9 - MOTTLED SOIL AT 20" into the original soil - no standing water present in boring.

|     |   |     |   |
|-----|---|-----|---|
| 0   | - | 20" | Fill soil loam, clay loam & sand                                    |
| 20" | - | 34" | Original soil dark brown loam 10YR 3/3                              |
| 34" | - | 40" | Gray brown clay loam 10YR 5/2                                       |
| 40" | - | 48" | Gray brown clay loam 10YR 5/2 - distinct mottles 10YR 7/1, 10YR 6/8 |

**BORING NUMBER 2-** Elev.97.0 - MOTTLED SOIL AT 28" - no standing water present in the boring.

|     |   |     |   |
|-----|---|-----|---|
| 0   | - | 16" | Topsoil dark brown loam 10YR 3/3                                    |
| 16" | - | 24" | Dark gray brown loam 10YR 4/2                                       |
| 24" | - | 28" | Gray brown clay loam 10YR 5/2                                       |
| 28" | - | 32" | Gray brown clay loam 10YR 6/2 - distinct mottles 10YR 7/1, 10YR 6/8 |
| 32" | - | 42" | Pale brown clay loam 10YR 6/3 - distinct mottles 10YR 7/1, 10YR 6/8 |

**BORING NUMBER 3-** Elev.99.3 - through the mound.

|     |   |     |  |
|-----|---|-----|--|
| 0   | - | 16" | Fill soil loam & clay loam             |
| 16" | - | 30" | Fill soil medium sand                  |
| 30" | - | 36" | Original soil dark brown loam 10YR 3/3 |

**BORING NUMBER 4-** Elev.99.7 - through the mound.

|     |   |     |  |
|-----|---|-----|--|
| 0   | - | 20" | Fill soil loam & clay loam             |
| 20" | - | 32" | Fill soil medium sand                  |
| 32" | - | 38" | Original soil dark brown loam 10YR 3/3 |

Hand-drawn site plan of a coastal area. The plan shows a large rectangular area, possibly a field or a large building footprint, with several smaller structures and features labeled. On the left side, there is a label "Dune" with an arrow pointing to a small rectangular area. In the center, there is a large rectangular area labeled "Existing House" with a smaller rectangular area labeled "Existing" inside it. To the right of the "Existing House" is a small rectangular area labeled "Existing" with a circle inside it. Below the "Existing House" is a large rectangular area labeled "Existing" with a smaller rectangular area labeled "Existing" inside it. To the right of the "Existing" area is a small rectangular area labeled "Existing" with a circle inside it. At the bottom of the plan, there is a label "WETLAND" with an arrow pointing to a small rectangular area. The plan also includes various dimensions and other labels such as "15", "10", "12", "14", "16", "18", "20", "22", "24", "26", "28", "30", "32", "34", "36", "38", "40", "42", "44", "46", "48", "50", "52", "54", "56", "58", "60", "62", "64", "66", "68", "70", "72", "74", "76", "78", "80", "82", "84", "86", "88", "90", "92", "94", "96", "98", "100".

[illegible]

TBM: 100.0 Top of MH Cover

Scale:  $\frac{1}{2}'' = 40'$

**Note: This system is to be constructed to meet the Minnesota Pollution Control Agency Chapter 7080 & local Ordinance**

**Check all underground utilities**

PROPERTY OF: BENEDICT HUST  
420 S. 2ND STREET  
BOYDS, OREGON 97105

S-P TESTING INC.  
Designd By: 4th Fl. 4th  
Date: 11/12/2000 PH 763 - 497-3566