

**Instructions:** Inspection results based on Minnesota Pollution Control Agency (MPCA) requirements and attached supporting documentation – additional local requirements may also apply. Further information can be found here: <https://www.pca.state.mn.us/sites/default/files/wq-wwists4-31a.pdf>.

Inspector must submit completed form to Local Governmental Unit (LGU) and system owner within 15 days of final determination of compliance or noncompliance.

### Property information

Local tracking number: \_\_\_\_\_

Parcel ID# or Sec/Twp/Range: 2002820340010 Local regulatory authority: Washington County

Property address: 13368 40<sup>th</sup> St S Afton, Mn.

Owner/representative: Ole and Donnelle Grodahl Owner's phone: \_\_\_\_\_

Brief system description: 2 Septic tanks to gravity drainfield

### System status

System status on date (mm/dd/yyyy): 5/25/2021

**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.)*

*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.**

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

#### 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

System was installed with a Permit from Washington County.

### 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: David R Brown

Certification number: 9370

Inspector signature: DRB

License number: 3649

*(This document has been electronically signed)*

Phone: 651-788-3296

### Necessary or locally required supporting documentation (must be attached)

- Soil observation logs
- Locally required forms
- Tank Integrity Assessment
- Operating Permit
- Other information (list): \_\_\_\_\_

## 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:

Pumped at time of inspection

Name of maintenance business: Pinky's

License number of maintenance business: 1673

Date of maintenance: 4/29/2021

Existing tank integrity assessment (Attach)

Date of maintenance (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

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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

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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 8/29/1995  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 (Advanced Inspector License required)  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 (Attach)
- Two previous verifications of required vertical separation (Attach)
- Not applicable (No soil treatment area)
- \_\_\_\_\_

**Indicate depths or elevations**

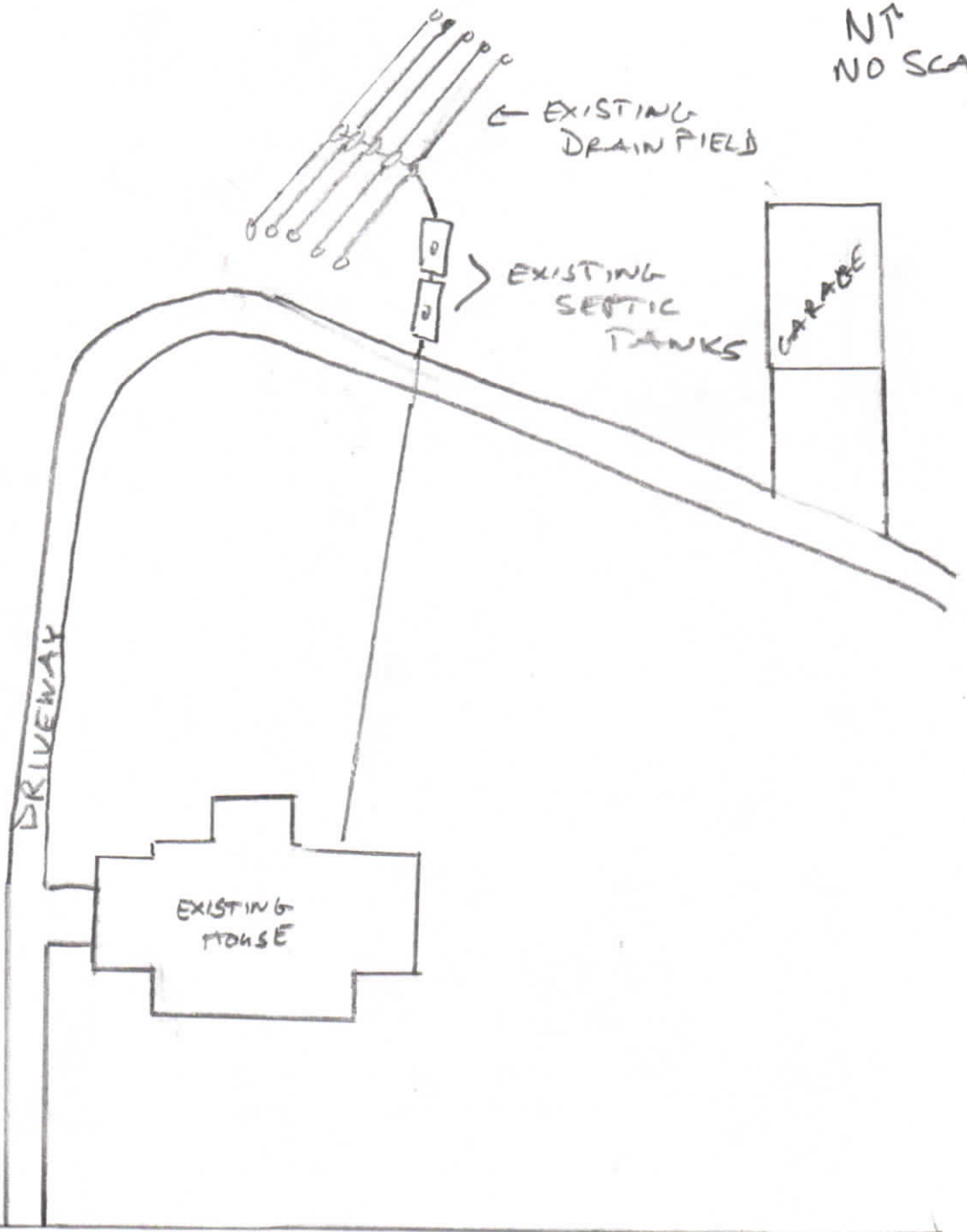
A. Bottom of distribution media	30"
B. Periodically saturated soil/bedrock	60"
C. System separation	30"
D. Required compliance separation*	24"

\*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.

13368 40<sup>TH</sup> ST. S. AFTON, MN.

NT  
NO SCALE



40<sup>TH</sup> ST. S.



**WASHINGTON COUNTY**  
**DEPARTMENT OF HEALTH, ENVIRONMENT**  
**AND LAND MANAGEMENT**  
**GOVERNMENT CENTER**

14900 61ST STREET NORTH, P.O. BOX 3803 • STILLWATER, MN 55082-3803  
Office (612) 430-6655 • TDD (612) 439-3220 • Facsimile Machine (612) 430-6730

Mary McGlothlin  
Director

Rose Green  
Office Manager

A-20-95  
19020-2500  
01-95020

September 25, 1995

Halgeir Grodahl  
13368 40th St. S.  
Afton, MN 55001

Dear Mr. Grodahl:

RE: Septic Verification for 13368 40th Street South, City of Afton  
(Grodahl Residence)

The on-site sewage treatment system located at the above address was installed and inspected under Washington County Permit #01-95020 on August 29, 1995. The system consists of two 1000 gallon septic tanks and 1275 square feet of drainfield. This system met all local and state requirements at the time of installation.

Normal maintenance requires pumping of your septic system at least once every three years.

If you have any questions, please feel free to contact me.

Sincerely,

*Peter R. Ganzel*  
Peter R. Ganzel  
Senior Code Enforcement Officer

PRG/djc

cc: Twyla, Afton City Administrative Clerk

EQUAL EMPLOYMENT OPPORTUNITY / AFFIRMATIVE ACTION

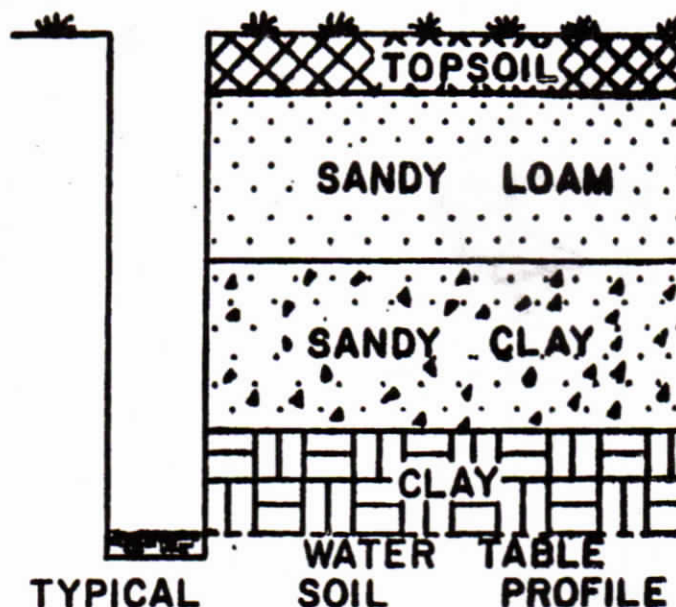


Soil borings are made in order to determine the type and structure of soils at various depths as well as the location of the water table, impervious strata or bedrock.

Borings are most easily made with a hand auger, however other expedients may be utilized - back hoe, post hole auger, etc.

Soils encountered at various depths should be listed as to appearance, texture and composition.

Depth at which water, bedrock or heavy clay layer is encountered should be recorded.



## LOG OF SOIL BORING

BORING NO. 1

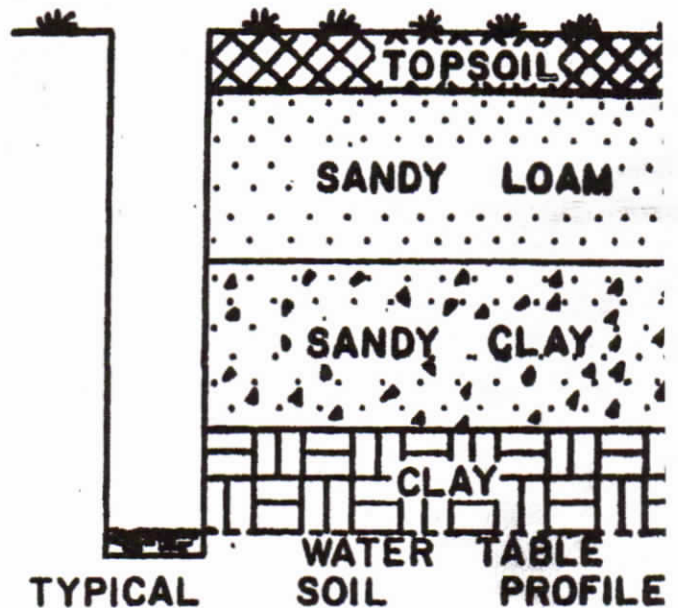
Depth in Feet	Soil Description
<u>1</u>	<u>BLACK loam</u>
<u>2</u>	<u>2°</u>
<u>3</u>	<u>3° BROWN clay loam</u>
<u>4</u>	<u>3<sup>s</sup> - YELLOWISH BROWN silty SANDY clay loam</u>
	<u>4° YELLOWISH BROWN silty SANDY loam</u>
<u>5</u>	<u>4° - YELLOWISH BROWN fine SANDY loam</u>
	<u>- YELLOWISH BROWN fine - medium SANDY loam</u>
<u>6</u>	<u>6°</u>
	<u>- YELLOWISH BROWN fine - medium loamy SAND</u>
<u>7</u>	<u>7°</u>
	<u>OBSTRUCTION</u>
	<u>(possibly BEDROCK)</u>
<u>8</u>	

Soil borings are made in order to determine the type and structure of soils at various depths as well as the location of the water table, impervious strata or bedrock.

Borings are most easily made with a hand auger, however other expedients may be utilized - back hoe, post hole auger, etc.

Soils encountered at various depths should be listed as to appearance, texture and composition.

Depth at which water, bedrock or heavy clay layer is encountered should be recorded.



## LOG OF SOIL BORING

BORING NO. 2

Depth in Feet	Soil Description
<u>1</u>	<u>BLACK loam</u>
<u>1<sup>6</sup></u>	<u>BROWN clay loam</u>
<u>2</u>	<u>YELLOWISH BROWN silty clay loam</u>
<u>2<sup>5</sup></u>	<u>YELLOWISH BROWN silty SANDY loam</u>
<u>3</u>	<u>YELLOWISH BROWN silty SANDY loam</u>
<u>3<sup>0</sup></u>	<u>YELLOWISH BROWN silty SANDY loam</u>
<u>4</u>	<u>YELLOWISH BROWN silty SANDY loam</u>
<u>4<sup>0</sup></u>	<u>YELLOWISH BROWN silty SANDY loam</u>
<u>5</u>	<u>YELLOWISH BROWN silty SANDY loam</u>
<u>6</u>	<u>YELLOWISH BROWN silty SANDY loam</u>
<u>7</u>	<u>YELLOWISH BROWN silty SANDY loam</u>
<u>7<sup>0</sup></u>	<u>YELLOWISH BROWN silty SANDY loam</u>
<u>8</u>	<u>YELLOWISH BROWN silty SANDY loam + GRAVEL + small limestone fragments</u>
<u>8<sup>0</sup></u>	<u>YELLOWISH BROWN silty SANDY loam + GRAVEL + small limestone fragments</u>

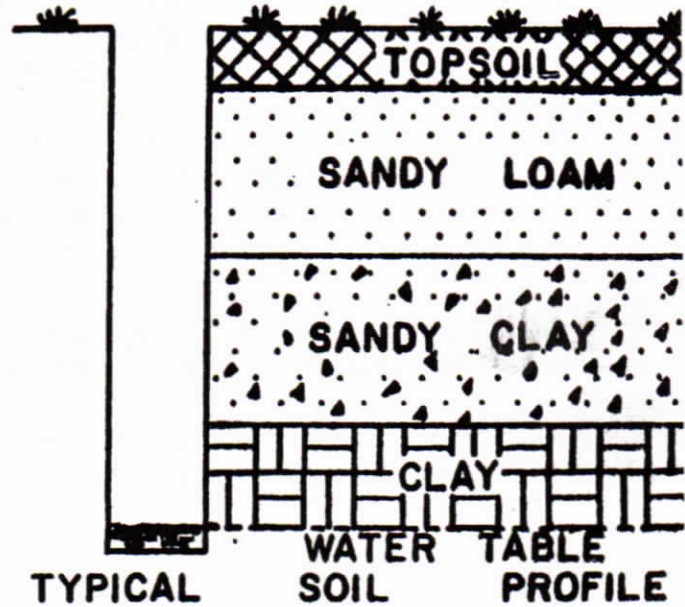


Soil borings are made in order to determine the type and structure of soils at various depths as well as the location of the water table, impervious strata or bedrock.

Borings are most easily made with a hand auger, however other expedients may be utilized - back hoe, post hole auger, etc.

Soils encountered at various depths should be listed as to appearance, texture and composition.

Depth at which water, bedrock or heavy clay layer is encountered should be recorded.



## LOG OF SOIL BORING

BORING NO. 3

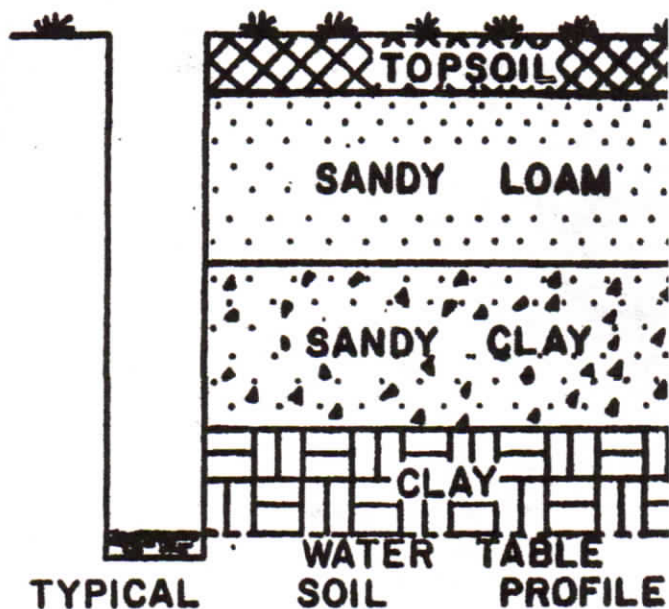
Depth in Feet	Soil Description
—	—
1	BLACK loam
1 <sup>2</sup>	—
2	BROWN silty clay loam
2 <sup>2</sup>	YELLOWISH BROWN silty SANDY clay loam
3	YELLOWISH BROWN silty - fine SANDY loam
4	3 <sup>9</sup> —
5	YELLOWISH BROWN fine SANDY loam + limestone fragments
5 <sup>2</sup>	—
6	BED ROCK
7	—
8	—

Soil borings are made in order to determine the type and structure of soils at various depths as well as the location of the water table, impervious strata or bedrock.

Borings are most easily made with a hand auger, however other expedients may be utilized - back hoe, post hole auger, etc.

Soils encountered at various depths should be listed as to appearance, texture and composition.

Depth at which water, bedrock or heavy clay layer is encountered should be recorded.



## LOG OF SOIL BORING

BORING NO. 4

Depth in Feet	Soil Description
—	—
1	1 <sup>o</sup> - Black loam
2	1 <sup>6</sup> - Brown clay loam
—	—
2	2 <sup>o</sup> - Yellowish Brown silty SANDY clay loam
—	—
3	3 <sup>o</sup> - Yellowish Brown silty - fine SANDY loam
—	—
4	— Yellowish Brown fine SANDY loam
—	—
5	4 <sup>o</sup> - Yellowish <sup>BROWN</sup> fine SANDY loam + limestone fragments
—	—
6	5 <sup>o</sup> - Obstruction (probably Bed Rock)
—	—
7	—
—	—
8	—

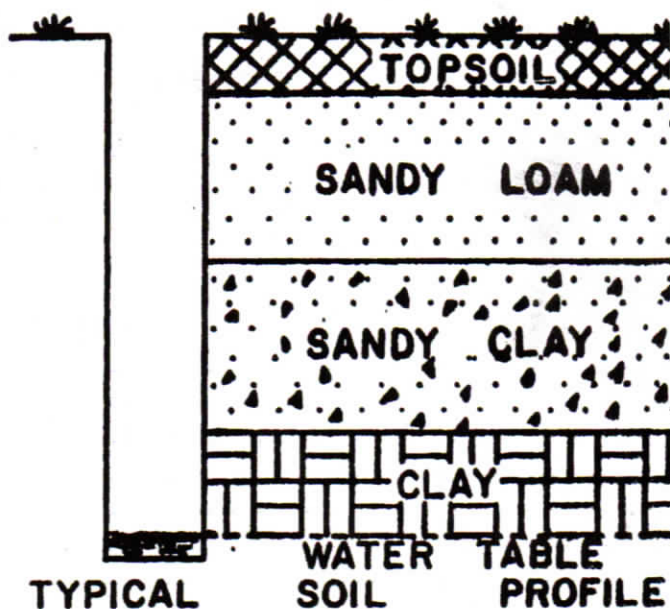
## -SOIL BORINGS-

Soil borings are made in order to determine the type and structure of soils at various depths as well as the location of the water table, impervious strata or bedrock.

Borings are most easily made with a hand auger, however other expedients may be utilized - back hoe, post hole auger, etc.

Soils encountered at various depths should be listed as to appearance, texture and composition.

Depth at which water, bedrock or heavy clay layer is encountered should be recorded.



## LOG OF SOIL BORING

BORING NO. 5

Depth in Feet	Soil Description
1	1 <sup>0</sup> - BLACK LOAM
1	1 <sup>3</sup> - BROWN CLAY LOAM
2	2 <sup>0</sup> - YELLOWISH BROWN silty CLAY loam
2	2 <sup>9</sup> - YELLOWISH BROWN silty - fine SANDY loam
3	3 <sup>0</sup> - YELLOWISH BROWN fine SANDY loam
4	4 <sup>0</sup> - YELLOWISH BROWN fine - medium loamy SAND
5	-
6	6 <sup>0</sup> - YELLOWISH BROWN fine - medium SAND
7	7 <sup>3</sup> - + limestone fragments
8	- OBSTRUCTION (probably Bedrock)



Department of Health, Environment,  
and Land Management 612/430-6708  
AFTON CITY

PERMIT NUMBER 0195020 SEWAGE PERMIT  
 Owner : HALGEIR GRODAHL  
 13368 40TH ST S  
 AFTON MN 55001  
 Applicant : HALGEIR GRODAHL 612-436-3027

SEPTIC APPLICATION	100.00
SEPTIC SYSTEM PERMIT	100.00
Total Fees :	200.00
Total Paid :	100.00
Total Due :	100.00

PERMISSION IS HEREBY GRANTED

To execute the work specified in this permit on the following described property upon express condition that said persons and their agents, employees and workmen shall conform in all respects to the provisions of the Building Code, and/or Ordinances.  
 This permit may be revoked at any time upon the violation of any of the provisions of said code and ordinances.

Project Address : 13368 40TH ST S AFTON MN 55001

Flow Capacity 750 Gal/Day  
 Soil Conditions: Depth to Restriction 90 Inches Perc Rate 14 Min/Inch

Soil Treatment Area Type:  
 In Ground Y In Fill N Bed N Drain Field Y

- Authorized Work / Special Conditions
- Install individual sewage treatment system as per approved design in area tested and shown on site plan.
  - THIS SYSTEM MUST BE INSTALLED BY A CERTIFIED/LICENSED SEWAGE TREATMENT SYSTEM INSTALLER HOLDING A CURRENT LICENSE WITH WASHINGTON COUNTY. (A list of licensed installers is available at your request.)

\*\* Permit Expiration Date : Sewage Treatment : 5/18/96

A CERTIFICATE OF OCCUPANCY MUST BE REQUESTED AND ISSUED PRIOR TO USE OR OCCUPANCY OF WORK PERMITTED BY A BUILDING PERMIT.

\*\* This permit shall expire and be null and void if the work authorized by the Building Permit is not commenced within 60 days of the date of issuance or if work is abandoned or suspended for a period of 120 days. Term of the Building Permit is 12 months from date of issue. Term of sewage treatment permit is 6 months from date of issue.

Penalty for violation of any of the provisions of building code: Fine not to exceed five hundred dollars (\$500.00) or imprisonment for not more than ninety (90) days, or both.

Permit Issue Date 5/18/95 Code Enforcement Officer 



WASHINGTON COUNTY HEALTH, ENVIRONMENT & LAND MANAGEMENT  
 14900 N. 61ST STREET, P.O. BOX 3803, STILLWATER, MN 55082-3803  
 612/430-6708 OR 612/430-6656 FAX 612/430-6730

COPY

Owner's Name	<sup>(OLE)</sup> OLE GRODAHL
Job Site Address	13368 - 40 <sup>th</sup> ST
City or Township	Afton
Use of Building	Home

Design Flow Rate	750 GALLONS/DAY	Land Slope	10 Percent
Required Tank Sizes	(1) 1000 Gallons	and	(1) 1000 Gallons
Type of System (standard, at grade or bed)	STANDARD		
System Size:	1275 -Square Feet	425 -Lineal Feet	3 ft -Trench Width
Depth of rock below pipe	12 inches	Depth of Rock Above Pipe	2 inches
MINimum Depth of Trench From Existing Grade	24 Inches	MAXimum Depth of Trench From Existing Grade	36 inches <small>(in 10' one trench)</small>
Recommended Number of Trenches	5	Recommended Length of Trenches	85 ft
Trench Spacing Measured Center to Center	7.5 Feet		
Any Other Special Conditions			

IF PRESSURE DISTRIBUTION IS USED, COMPLETE THE PRESSURE DISTRIBUTION WORK SHEET ATTACHED.

This design must be accompanied by a site plan that clearly shows the location of the area tested and approved by the following:

1. Use an appropriate scale and indicate direction by use of a north arrow.
2. Show ALL property boundaries, rights-of-way, easements, wetlands. If necessary, an enlarged detail of the house site may also be required.
3. Show location of house, garage, driveway and all other improvements existing or proposed.
4. Show location and layout of sewage treatment system.
5. Show location of water supply (well and/or community supply line).
6. Dimension all setbacks and separation distances.

This system has been designed by a Pollution Control Agency (PCA) Certified Professional.

Designer Name	MIKE SCHUBIGER	PCA Certification #	00546
Address	6748 Military RD Woodbury MN	Phone #	(612) 458 0435
Signature	<i>Mike Schubiger</i>	Date	5-16-95

An Equal Employment Opportunity/Affirmative Action Employer  
 If You Need Assistance Due to Disability or Language Barrier, Please Call 430-6656 OR 430-6708 (TDD 439-3220)

INDIVIDUAL SEWAGE TREATMENT SYSTEM WORKSHEET

FLOW

A. Estimated 750 gpd  
(See D-7 or I-3,4,5)  
or measured \_\_\_\_\_ gpd

ROCK WEIGHT

N. Cubic yards times 1.4 = tons  
M x 1.4 = tons  
70.83 x 1.4 = 99 tons

SEPTIC TANK VOLUME

B. (2) 1000 gallons  
(See C-3 or C-5)

DISTRIBUTION

(Check one based on slope)  
\_\_\_\_\_ Bed (< 6% slope)  
\_\_\_\_\_ Trenches  
\_\_\_\_\_ X Drop boxes (any slope)  
\_\_\_\_\_ Distribution box (level to slightly sloping)  
\_\_\_\_\_ Closed - continuous (level)

SOILS

C. Depth to restricting layer = 5 feet *(At Top end of test area)*  
D. Maximum depth of system  
C - 3 ft = 2 feet  
E. Percolation rate 16.0 MPI  
F. Soil area 1.67 sq ft/gpd  
G. Land slope 10 %

TRENCH LENGTH

O. Select trench width = 3 ft  
P. Divide bottom area by trench width:  
(H, I, J, or K) ÷ O = lineal feet  
1275 ÷ 3 = 425 lineal feet

SOIL TREATMENT AREA

H. For beds and trenches with 6 inches of rock below the distribution pipe:  
A x F = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_ sq ft of bottom area  
I. For trenches with 12 inches of rock below the distribution pipe:  
A x F x 0.8 = 750 x 1.67 x 0.8 = 1275 sq ft of bottom area  
J. For trenches with 18 inches of rock below the distribution pipe:  
A x F x 0.66 = \_\_\_\_\_ x \_\_\_\_\_ x 0.66 = \_\_\_\_\_ sq ft of bottom area  
K. For trenches with 24 inches of rock below the distribution pipe:  
A x F x 0.6 = \_\_\_\_\_ x \_\_\_\_\_ x 0.6 = \_\_\_\_\_ sq ft of bottom area

LAWN AREA

Q. Select trench spacing, center to center = 7.5 feet  
R. Multiply trench spacing by lineal feet  
Q x P = sq ft of lawn area  
7.5 x 425 = 3185 sq ft

LAYOUT (use other side)

1. Select an appropriate scale; one square = ± 7 feet
2. Show pertinent property boundaries, right-of-way, easements.
3. Show location of house, garage, driveway, and all other improvements, existing or proposed.
4. Show location and layout of sewage treatment system.
5. Show location of water supply well.
6. Dimension all set backs and separation distances.

ROCK VOLUME IN CU FT

L. Rock depth below distribution pipe plus 0.5 foot times bottom area:  
L = (1 + 0.5) x 1275 = 1912 cu ft

Referenc: P.C.A. Rules  
6 MCAR §4.8040

ROCK VOLUME IN CU YDS

M. Volume in cu ft divided by 27  
L ÷ 27 = cu yds  
1912 ÷ 27 = 70.83 cu yds

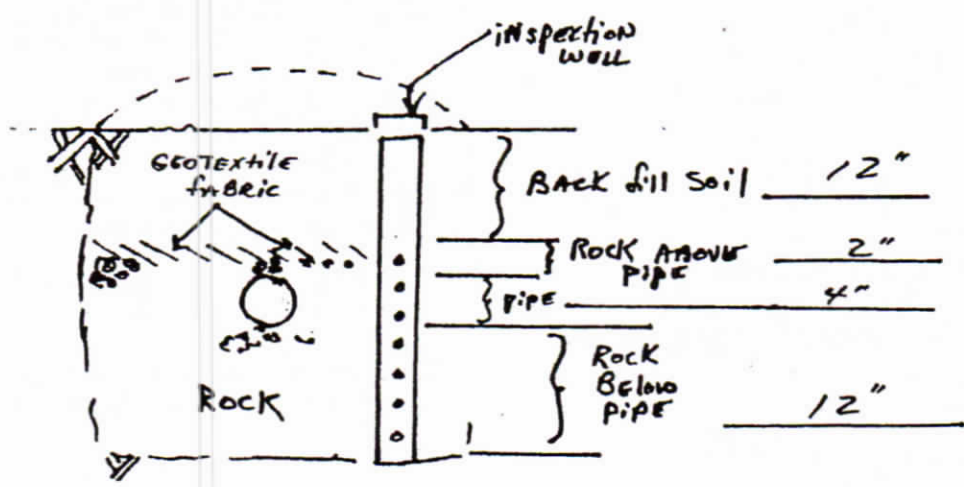
The above specifications should be regarded as minimum standards:

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Proposed System Design based on P.C.A. Rules 6 MCAR §4.8040  
Individual Sewage Treatment System Standards

Number of bedrooms 4 Bedrooms Septic system SIZED for 5 Bedrooms  
Tank size (2) 1000 GALLON  
Number of lines 5 Length of lines 85'  
Spacing of lines 7.5' ON CENTER  
Depth of trenches 30" Width of trenches 36"  
Depth of rock below tile 12" Depth of rock above tile 2"  
Depth of earth cover over rock 12"  
Special conditions \_\_\_\_\_  
Type of distribution box Drop Boxes

COPY



Trench must be flat along length and relatively level from end to end