

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: 2902821330008 Reason for Inspection Septic Tank Replacement
Local regulatory authority info: Washington County
Property address: 7205 Military Rd Woodbury, Mn. 55129
Owner/representative: Rick Krevinghaus Owner's phone: 651-492-7351
Brief system description: 2 septic tanks to gravity drainfield.

System status

System status on date (mm/dd/yyyy): 11/11/2021

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.)

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

Septic system was installed in 1999 with a permit (see attached documents). Second septic tank has been run over and cracked. System is compliant otherwise. First septic tank is compliant and a soil boring was conducted and drainfield is compliant. New replacement septic tank with filter is required. See attached drawing, No new design required.

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: Dave 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
- System/As-Built
- 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 Yes* No

System discharges sewage to drain tile or surface waters. Yes* No

System causes sewage backup into dwelling or establishment. Yes* 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? Yes* No

Sewage tank(s) leak below their designed operating depth? Yes* 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 7/15/2021

(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 5/10/1999 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.

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	36"
B. Periodically saturated soil/bedrock	72"
C. System separation	36"
D. Required compliance separation*	36"

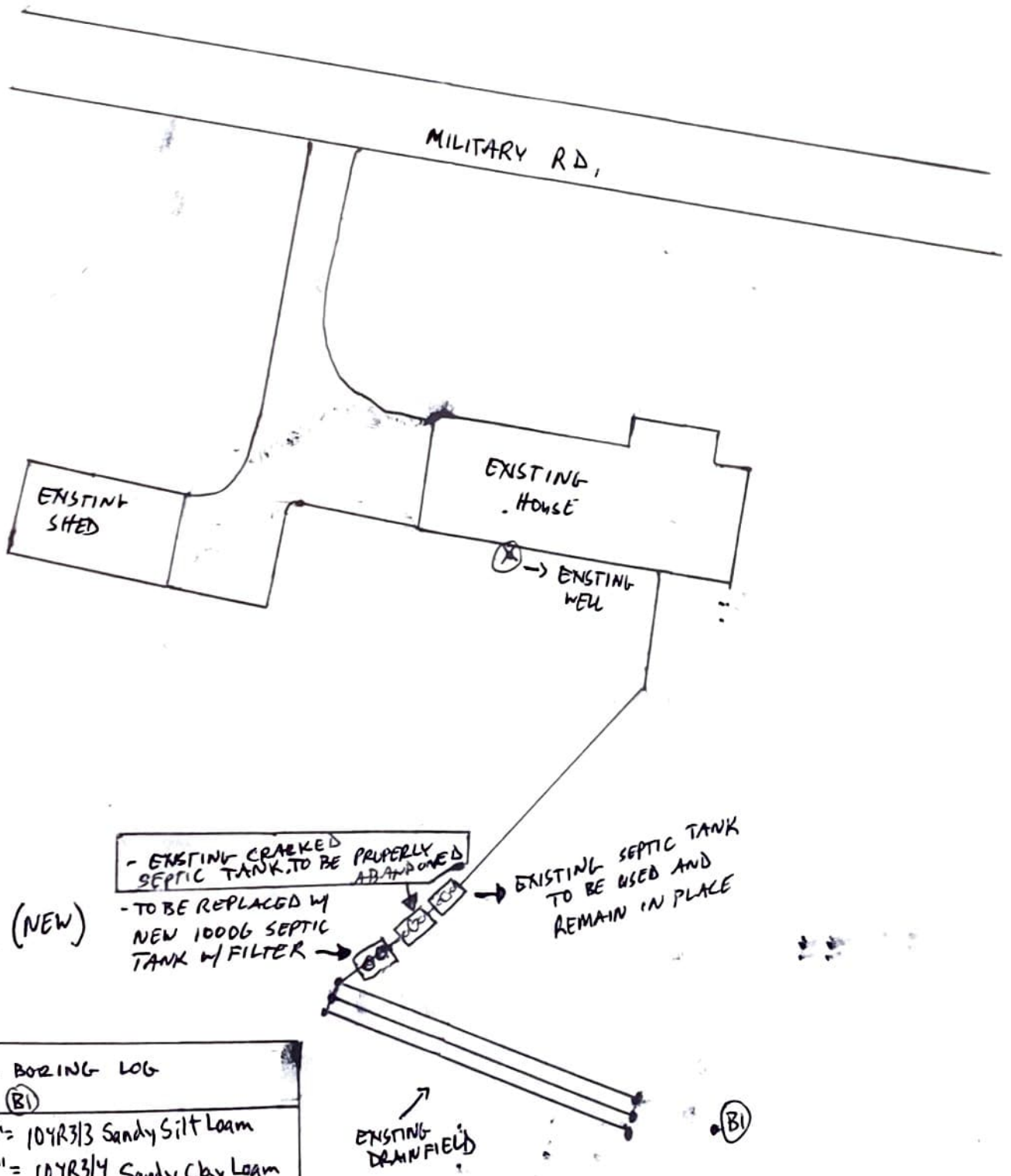
*May be reduced up to 15 percent if allowed by Local Ordinance.

***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.

NT
NO SCALE



SOIL BORING LOG

(B1)

- 0"-12" = 10YR3/3 Sandy Silt Loam
- 12"-50" = 10YR3/4 Sandy Clay Loam
- 50"-72" = 10YR4/6 Sandy Loam w/ some gravel

(B1)

Parcel number: _____

System status: Compliant Noncompliant
(as determined by this form)

Tank Integrity and Safety Compliance

Compliance Issue #2 of 4

Date of observation: 07/15/2021 Reason for observation: Routine Pumping

This form expires on (three years): 07/14/2024

Compliance questions/criteria: (Required)
(Check the appropriate box)

Does the system consist of a seepage pit*, cesspool, drywell, or leaching pit?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Do any sewage tank(s) leak below their designed operating depth?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

If yes, identify which sewage tank leaks. _____

Any "yes" answer indicates that the system is failing to protect ground water.

* Seepage pits meeting 7080.2550 may be compliant if allowed in ordinance by local permitting authority.

Verification Method** (Optional)
(Check the appropriate box)

- Probed tank bottom
- Observed low liquid level
- Examined construction records
- Examined empty (pumped) tank
- Probed outside tank for "black soil"
- Pressure/vacuum check
- Other: _____

** No standard protocol exists. This list is not exhaustive, in sequential order, nor does it indicate which combinations are necessary to make this determination.

Safety Check

- Are any maintenance hole covers damaged, cracked, or appeared to be structurally unsound? Yes* No
- Were all maintenance hole covers replaced in a secured manner (e.g., all screws replaced)? Yes No*
- Was secondary access restraint present (safety pan, second cover, or safety netting) – highly recommended. Yes No
- Was any other safety/health issue present? Yes* No

Explain: _____

***System is an imminent threat to public health and safety.**

Certification

This form is to be completed and attached to the Summary Form of the Minnesota Pollution Control Agency's (MPCA) **Compliance Inspection Form for Existing Subsurface Sewage Treatment Systems**. Observations, interpretations, and conclusions must be completed by an inspector, maintainer, or service provider. Completed form must be submitted to the local unit of government within 15 days.

**Rick & Sandy
Krevinghaus**

Property owner name(s): _____

Property address: 7205 Military Road

Property owner's address (if different): _____

County: Washington Phone: _____

I hereby certify that I personally made the observations, interpretations, and conclusions reported on this form and that they are correct.

Name: Larry Schlomka Certification number: C4253

Business license name and number: Schlomka Services LLC 2989 or

Name of local unit of government: _____

Signature: [Signature] Date: 10/29/2021



8301 Valley Creek Road • Woodbury, Minnesota 55125-3330
651/714-3500 • TDD 651/714-3568 • FAX 651/714-3501

Private Sewage System Design

1. Building site address 2205 Military Road
2. Contractor AKay's Services Phone 651-437-8345
3. Contractor Address 11960 230th St. East
City Hastings State MN Zip Code 55033
4. Owner Rick Krebingerhaus Phone 651-459-1506
5. Minimum System Requirements:

Number of Bedrooms 4
Percolation Rate 13.3 MPI
Septic Tank Size 2-1000 Gallons

Absorption Trenches:

Number of Lines 3 @ 70' = 210 lineal feet
Width 36"
Depth 36" MAX.
Rock Below Tile 12"
Rock Above Tile 2"
Spacing of Trenches 7'-0" ON CENTER

Other: Per tests & Septic design by Rick Reamer #10

6. Comments: Keep all traffic of vehicles off of and away from septic area.

7. Reviewed By: Alan Krupa Date 5-7-99

ON-SITE SEWAGE TREATMENT SYSTEM - INSPECTION REPORT

Applicant and Permit #: RICK KREVIUG
Inspected by: DON KWIFE
Municipality/Township: WOODBURY NH 55125

Date of Inspection: 5/10/99
Parcel ID: FILE
Site Address: 7205 MILITARY ROAD

HOUSE SPECS AND SOILS

7 # Soil Borings
2 # Perc Test
10 Average Perc Rate (MPH)
Reserve Area: Yes/No

Depth to (NO) Restriction (inches)
Type: ~~Mottling Bedrock Water table~~
1.27 Acceptance Rate (sq. Ft/gpd)

House Type: I II III
Garbage Disposal: Yes No
4 # of Bedrooms
 # Potential Bedrooms

SEPTIC TANK SPECIFICATIONS

2 Number of Septic Tanks
2000 Capacity (1,000 g. Min.) 1000 EA.
Pre-fab Tank Model: Yes/No
49" Outlet Baffle (35% of total liquid depth, 6" above liquid surface)
 Liquid Depth (30" min.)

Outlet a min. 3" below inlet
 Horizontal Dimension (24" min.)
 Tank is level
 Inlet Baffle (6" below liquid-1" above inlet crown)
 Watertight Construction

Inspection Pipes (4" min.)
 Manhole (24" min.)
Pumping tank Yes No
No Capacity

SEPTIC TANK SETBACKS

Property Lines (10')
 Well (75')

Buildings (10')
 Recreation & Tributary (75')

Buried Water Pressure Pipes (10')
 All others except Rec. & Trib. (150')

DRAINFIELD SETBACKS

Buildings (20')
 Large Trees (10')
 Property Lines (10')

Recreation & Tributary (75')
 Well (50' or 100')

All others except Rec. & Trib. (150')
 Buried Water Pressure Lines (10')

DROP BOX

Watertight Construction
 Inlet Inverts (1" above outlet invert)
 Pipe Connection

Pipe to Drop Box (unperforated)
 Outlet Inverts (4" above floor)

Box is Level
Distribution: Gravity Pressure

DRAINFIELD

3 Number of Laterals

12" Rock Under Pipe (6"-24")

75' Lateral Lengths (100' max.)

2' Rock Over Pipe (2")

24" Total Trench Depth

625 Total Sq. Ft. Trench Area

36" Trench Widths (18" min. - 36" max.)

Geo/Fabric
Rock is Covered (with water porous material)

2' Lateral Spacing (7' on center preferred)

Not Encountered
Bottom of Trench to Water Table or Bedrock

Fhr Slope of Pipe

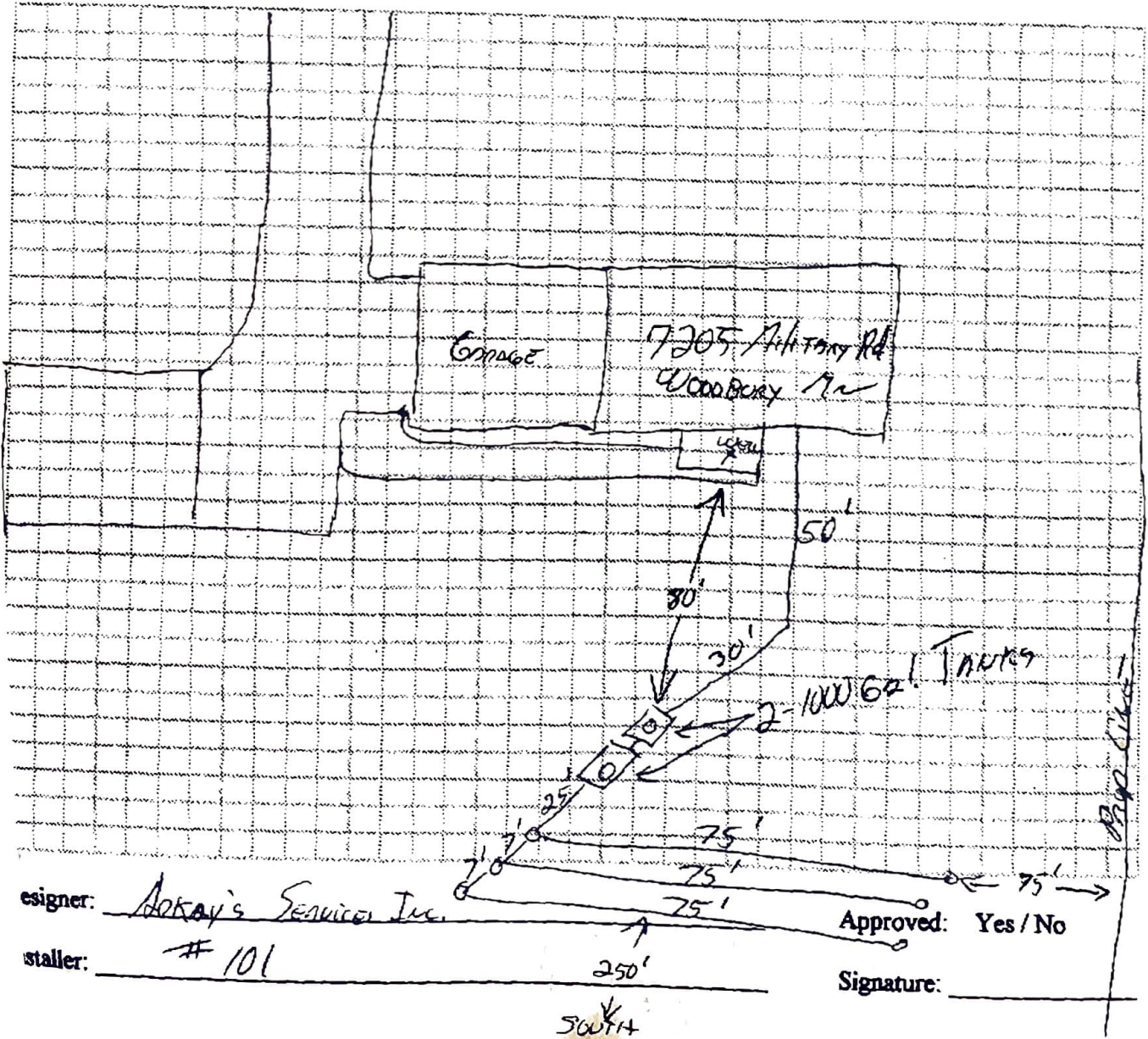
6" Soil over Laterals (6" min. - 36" max.)

2 1/4" Size of Washed Rock (3/4" to 2 1/2")



SCALE:
□ = _____ feet

Site Drawing:



Designer: Arkay's Services Inc.

Installer: # 101

INSPECTORS Copy!



11960 230th Street East • Hastings, Minnesota 55033
612-437-8345

PERC TESTS & SEPTIC DESIGN FOR

RICK KREINGHAUS - 7205 Military Rd. Woodbury Mn 55125

The Boring & Tests were performed on (4/26/99) Location (SEE SITE PLAN) # 459-1506

Soil Size Factor (1.22) Perc Rate (12.2) The perc tests were performed in accordance with the provisions of W.P.C.-40. Individual Sewage System Standards. Locations of perc tests and their readings are on the following pages.

The proposed design is based on water usage of a Type 1 4 bedroom house. Design specs are as follows.

Single Family Home Other (please indicate) _____

600

Est. G.P.D.

4

Number of bedrooms

No

Garbage disposal (Yes No)

2-1000 GA.

Tank(s) Capacity

No

Pump Tank(s) Capacity

6' END BORE!

Depth to Restriction (Mottled, Water Table, Bedrock) (NO RESTRICTIONS)

No

Basement Lift - Type (Sewage or Effluent Pump)

System Type (Trench Mound _____ At Grade _____)

Distribution Gravity Pressure _____

Trench System

630

Sq. Ft. of drainfield trench required

210

Lin. Ft. of trench required

3/70' x 3'

Number of laterals proposed

47

Rock required-Tons

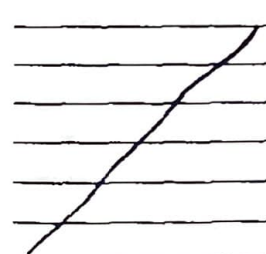
36"

Max trench depth

36"

Trench Width

Mound System or At Grade System



Dimensions of rock base

Depth of rock

Mound site % of slope

Upslope dike width

Downslope dike width

Sideslope dike width

Overall dimensions of sand base

Pump Requirement (if needed)



Pump G.P.M. & Total Head

Cycles per day

Gallons per cycle

Laterals (Number, Diameter, Spacing)

Perforations size & spacing

Additional Information: Old SYSTEM IS CURRENTLY LEACHING OUT
OUT TO GROUND?

This is a proposed design, it should be gone over with the local inspector to insure proper installation and to meet local code. The soil conditions and perc test have been established at the test hole locations only. There may be variations in soil; stratigraphy between and around borings, and interpolation or extrapolation of the results is not warranted.

Rick Reamer

INDIVIDUAL SEWAGE TREATMENT SYSTEM WORKSHEET

- A. Estimated 600 FLOW
measured _____ x 1.5 = _____ gpd
- B. Min 2-1000 EA. SEPTIC TANK VOLUME, gallons

- C. SOILS (Site evaluation data)
Depth to restricting layer = 6 feet Exc Bone!
- D. Maximum depth of system C-3 ft = 3 feet
- E. Texture Sand Loam Percolation rate 12 MPI
- F. SSF 1.29 sq ft/gpd
- G. Slope 1 %

Number of Bedrooms	Type I	Type II	Type III	Type IV
2	300	225	180	60% of the values in Type I, II or III columns
3	450	300	218	
4	600	375	256	
5	750	450	294	
6	900	525	332	
7	1050	600	370	
8	1200	675	408	

Number of Bedrooms	Minimum Liquid Capacity	Liquid capacity with garbage disposal
2 or less	750	1125
3 or 4	1000	1500
5 or 6	1500	2250
7, 8 or 9	2000	3000

Percolation Rate in Minutes per Inch (MPI)	Soil Texture	Square feet per gallon per day
Faster than 0.1 *	Coarse Sand
0.1 to 5	Sand	0.83
0.1 to 5	Fine Sand **	1.67
6 to 15	Sandy Loam	1.27
16 to 30	Loam	1.67
31 to 45	Silt Loam	2.00
46 to 60	Clay Loam	2.20
Slower than 60***	Clay

* Soil too coarse for sewage treatment. Use systems for rapidly permeable soils.
 ** Soil having 50% or more of fine sand plus very fine sand.
 *** Soil with too high a percentage of clay for installation of an inground standard system.

TRENCH BOTTOM AREA

H. For trenches with 6 inches of rock below the pipe:
 $A \times F = ___ \times ___ = ___ \text{ sq ft of bottom area}$

I. For trenches with 12 inches of rock below the pipe:
 $A \times F \times 0.8 = 600 \times 1.29 \times 0.8 = 609 \text{ sq ft of bottom area}$

J. For trenches with 18 inches of rock below the pipe:
 $A \times F \times 0.66 = ___ \times ___ \times 0.66 = ___ \text{ sq ft of bottom area}$

K. For trenches with 24 inches of rock below the pipe:
 $A \times F \times 0.6 = ___ \times ___ \times 0.6 = ___ \text{ sq ft of bottom area}$

BED BOTTOM AREA

L. For seepage beds with 6 or 12 inches of rock below the pipe;
 $1.5 \times A \times F = 1.5 \times ___ \times ___ = ___ \text{ sq ft of bottom area}$

- M. **ROCK VOLUME IN CU FT**
 Rock depth below distribution pipe plus 0.5 foot times bottom area:
 $M = \text{Rock depth} + 6 \text{ inches} \times \text{Area (H,I,J,L,K)}$
 $(1 + 0.5 \text{ ft}) \times 609 = 914 \text{ cu ft}$

- N. **ROCK VOLUME IN CU YDS**
 Volume in cu ft divided by 27
 $M + 27 = \text{cu yds } 914 + 27 = 34 \text{ cu yds}$
- O. **ROCK WEIGHT**
 Cubic yards times 1.4 = tons
 $N \times 1.4 = \text{tons } 34 \times 1.4 = 47 \text{ tons}$

6 inches = 0% Reduction*
12 inches = 20% Reduction
18 inches = 34% Reduction
24 inches = 40% Reduction
 * sizing for gravelless trench

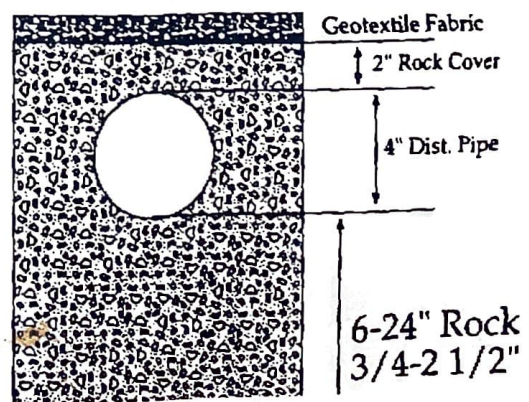
SYSTEM LENGTH

P. Select trench width = 3 ft

Q. Divide bottom area by trench width: (H, I, J, or K) + P = lineal feet
 $609 + 3 = 203 \text{ lineal feet}$

Q1. Gravelless Design
 $A \times F + (3 \text{ for } 10" \text{ pipe, } 2 \text{ for } 8" \text{ pipe, width of the Chamber})$
 $___ \times ___ + ___ = ___ \text{ feet}$

- R. **LAWN AREA**
 Select trench spacing, center to center = 2 feet
- S. Multiply trench spacing by lineal feet R x Q = sq ft of lawn area
 $2 \times 203 = 406 \text{ sq ft}$



INDIVIDUAL SEWAGE TREATMENT SYSTEM WORKSHEET

- A. Estimated 600 FLOW gpd
 measured x 1.5 = gpd
- B. MIN 2000 EA SEPTIC TANK VOLUME gallons

- C. SOILS (Site evaluation data)
 Depth to restricting layer = 6 feet *End Bore!*
 D. Maximum depth of system C - 3 ft = 3 feet
 E. Texture Sand Loam Percolation rate 12 MPI
 F. SSF 1.29 sq ft/gpd
 G. Slope 1 %

Number of Bedrooms	Type I	Type II	Type III	Type IV
2	300	225	180	60% of the values in Type I, II or III column
3	450	300	218	
4	600	375	256	
5	750	450	294	
6	900	525	332	
7	1050	600	370	
8	1200	675	408	

Number of Bedrooms	Minimum Liquid Capacity	Liquid capacity with garbage disposal
2 or less	750	1125
3 or 4	1000	1500
5 or 6	1500	2250
7, 8 or 9	2000	3000

TRENCH BOTTOM AREA

H. For trenches with 6 inches of rock below the pipe:
 $A \times F = \underline{\quad} \times \underline{\quad} = \underline{\quad}$ sq ft of bottom area

I. For trenches with 12 inches of rock below the pipe:
 $A \times F \times 0.8 = 600 \times 1.29 \times 0.8 = 609$ sq ft of bottom area

J. For trenches with 18 inches of rock below the pipe:
 $A \times F \times 0.66 = \underline{\quad} \times \underline{\quad} \times 0.66 = \underline{\quad}$ sq ft of bottom area

K. For trenches with 24 inches of rock below the pipe:
 $A \times F \times 0.6 = \underline{\quad} \times \underline{\quad} \times 0.6 = \underline{\quad}$ sq ft of bottom area

BED BOTTOM AREA

L. For seepage beds with 6 or 12 inches of rock below the pipe;
 $1.5 \times A \times F = 1.5 \times \underline{\quad} \times \underline{\quad} = \underline{\quad}$ sq ft of bottom area

Percolation Rate in Minutes per Inch (MPI)	Soil Texture	Square feet per gallon per day
Faster than 0.1 *	Coarse Sand	----
0.1 to 5	Sand	0.83
0.1 to 5	Fine Sand **	1.67
6 to 15	Sandy Loam	1.27
16 to 30	Loam	1.67
31 to 45	Silt Loam	2.00
46 to 60	Clay Loam	2.20
Slower than 60 ***	Clay	----

* Soil too coarse for sewage treatment. Use systems for rapidly permeable soils.
 ** Soil having 50% or more of fine sand plus very fine sand.
 *** Soil with too high a percentage of clay for installation of an inground standard system.

- M. **ROCK VOLUME IN CU FT**
 Rock depth below distribution pipe plus 0.5 foot times bottom area:
 $M = \text{Rock depth} + 6 \text{ inches} \times \text{Area (H,I,J,K)}$
 $(1 + 0.5 \text{ ft}) \times 609 = 914$ cu ft
- N. **ROCK VOLUME IN CU YDS**
 Volume in cu ft divided by 27
 $M + 27 = \text{cu yds } 914 + 27 = 34$ cu yds
- O. **ROCK WEIGHT**
 Cubic yards times 1.4 = tons
 $N \times 1.4 = \text{tons } 34 \times 1.4 = 47$ tons

6 inches = 0% Reduction*
12 inches = 20% Reduction
18 inches = 34% Reduction
24 inches = 40% Reduction
 sizing for gravelless trench

SYSTEM LENGTH

P. Select trench width = 3 ft

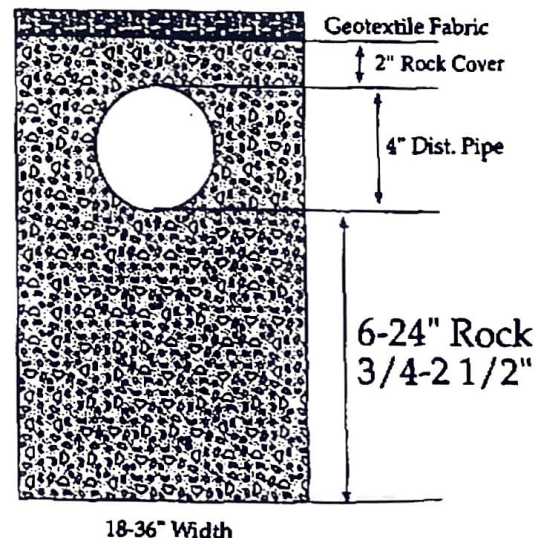
Q. Divide bottom area by trench width: (H, I, J, or K) + P = lineal feet
 $609 + 3 = 203$ lineal feet

Q1. Gravelless Design
 $A \times F + (3 \text{ for } 10" \text{ pipe, } 2 \text{ for } 8" \text{ pipe, width of the Chamber})$
 $\underline{\quad} \times \underline{\quad} + \underline{\quad} = \underline{\quad}$ feet

- R. **LAWN AREA**
 Select trench spacing, center to center = 7 feet
- S. Multiply trench spacing by lineal feet R x Q = sq ft of lawn area
 $7 \times 203 = 1421$ sq ft

LAYOUT (Use other side)

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



Logs of Soil Borings

Soil Bore #1	
0"-12": 10 YR 3/4 Dk. Yel. Brown	Problem Soils Observed at
12"-24": sandy clay	Mottled Soil: _____
24"-36": loam	Lime Rock: _____
36"-48": 10 YR 6/3 Pale Brown	Ground Water: _____
48"-60": sand	
60"-72": ↓	
Soil Bore #2	
0"-12": 10 YR 3/4 Yes	Problem Soils Observed at
12"-24": -	Mottled Soil: _____
24"-36": loam	Lime Rock: _____
36"-48": 10 YR 4/6	Ground Water: _____
48"-60": sandy Rocky	
60"-72": loam	
Soil Bore #3	
0"-12": 10 YR 3/4 U. L. ...	Problem Soils Observed at
12"-24": 10 YR 6/3 Pale	Mottled Soil: _____
24"-36": ↓	Lime Rock: _____
36"-48": ↓	Ground Water: _____
48"-60": ↓	
60"-72": ↓	
Soil Bore #4	
# 5 - RESERVE AREA	
0"-12": 10 YR 4/6 Sandy	10 YR 4/6 Problem Soils Observed at
12"-24": Rock	Sandy Mottled Soil: _____
24"-36": Rock	Lime Rock: _____
36"-48": loam	loam Ground Water: _____
48"-60": ↓	↓
60"-72": ↓	↓

Method used to dig bores -- Backhoe: _____ Auger: 12" ✓

Percolation Test Data

Perc. test readings made by Rich Reamer
 Date 4/26/99

Hole # 1 Hole # _____
 Depth Of Hole 76"
 Hole Diameter 8"

Depth, Inches Soil Texture.
0-30" 10YR 4/6
Sandy, Rocky
Loam

Maximum water depth above hole during test.
6"

Time	Min	Meas	Drop	Rate	Time	Min	Meas	Drop	Rate
10:00		6		Fill					
10:10	10	5 1/2	1 1/2	6.6					
10:17		6		Fill					
10:22	10	5	1	10					
10:25		6		Fill					
10:25	10	5	1	10					

Perc. Rate = 8.8 M.P.I. Perc. Rate = _____ M.P.I.

Percolation Test Data

Perc. test readings made by Rich Reamer
 Date 4/26/99

Hole # 2 Hole # _____
 Depth Of Hole 76"
 Hole Diameter 8"

Depth, Inches Soil Texture.
0-36" 10YR 4/6
Sandy, Rocky
Loam

Maximum water depth above hole during test.
6"

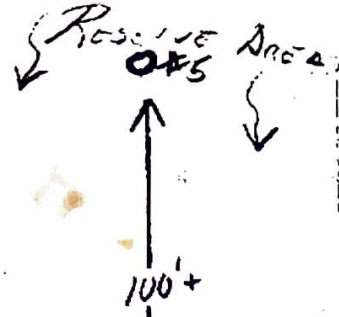
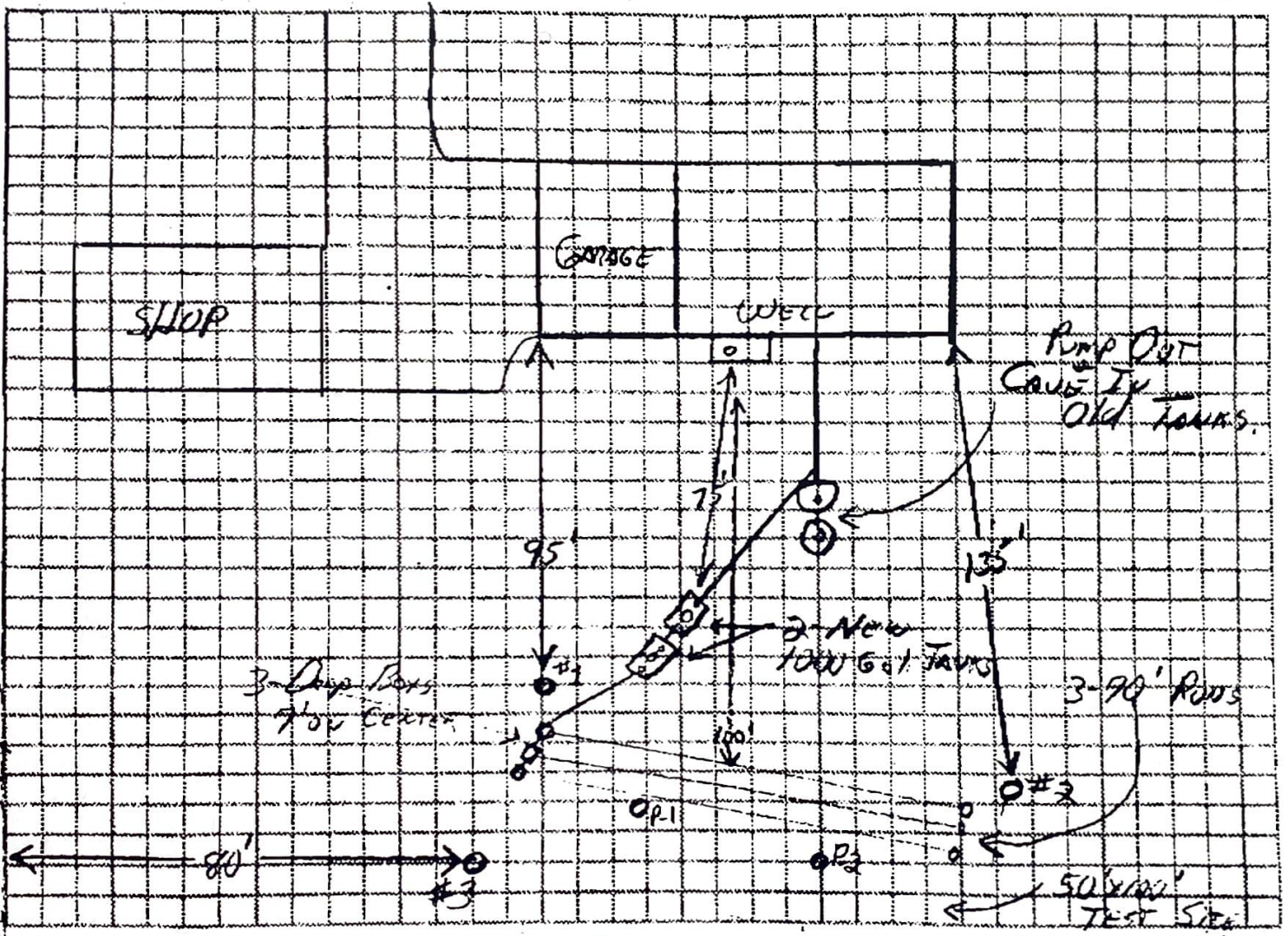
Time	Min	Meas	Drop	Rate	Time	Min	Meas	Drop	Rate
10:05		6		Fill					
10:15	10	5	1	10					
10:17		6		Fill					
10:27	10	5 1/4	3/4	13.3					
10:30		6		Fill					
10:40	10	5 1/4	3/4	13.3					

Perc. Rate = 12.2 M.P.I. Perc. Rate = _____ M.P.I.

SCALE: □ = feet



Site Drawing:



Septic Systems • Installation • Repair • Design • Perc Tests

SO. PROP LINE