Lincoln-Lancaster County Health Department
ENVIRONMENTAL PUBLIC HEALTH DIVISION

009661

3140 N STREET · LINCOLN, NE 68510-1514

(402) 441-8000

Permit
SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 06380326001

Issued 10/03/06
Expires 10/03/07
Revenue Code 3157

Establishment
DAVE DEBOER
T7N R7E SEC 34
EAST 1/2
28787 S 82 RD-FIRTH

FEES: $290.00

Permittee
DAVE DEBOER
609 ABRAHAM ST
FIRTH NE 68358

TOTAL: $290.00

Bruce D. Dart

Bruce D. Dart, Health Director

EPH COPY

Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

A

Permit Number: 063803260 01

Sewage Disposal System

Request for Site Clearance and Permit

Include Form B, Form C and Applicable Fees with this Application.

☒ Septic System ☐ Lagoon ☐ Other (Refer to Form C)

The undersigned hereby requests site clearance and permit to construct a Sewage Disposal System in conformance with appropriate resolution or ordinance, as described herein:

PLEASE PRINT OR TYPE

A. System Location (Indicate correct number and street)

Address 28787 So 82nd rd City Firth NE, Zip 68358
LCR 587 (no rural route)
Legal Description East 1/2 34 7N R7E
1/4 1/4 Section Township Range Subdivision Addition Block Lot

Geographical Location (if known): Longitude _____ Latitude _____

☐ Check if system mail address is not the same as the owner's address

B. Owner

NCR 71551
Name Dave DeBoer Signature _____
Address 609 Abraham ACR 97305 City/State/Zip Firth Ne 68358
☒ Check if owner designed system Home Phone _____ Work Phone 434-8462

C. Contractor

Name Paul Weber Company Name Weber Well
Address 10133 Willow Cove Lane City/State/Zip Firth Ne 68358
☒ Check if contractor designed system Work Phone (402) 580-8311

D. Engineer/Installer ☐ Check and complete if engineer designed system

Designer Name _____ Firm _____ Work Phone _____

E. This System Will Serve a

☒ Residential Dwelling Number of Bedrooms 4 Is there a Whirlpool Bathtub (YES) NO
☐ Commercial Establishment/Other Facility Specify _____
Design flow in gallons per day 600 Type of Wastewater: ☒ Domestic ☐ Non-Domestic.

DO NOT WRITE BELOW THIS LINE

Approval Process ☐ Municipal Code 24.38 ☒ County Resolution No. 2832

1. **Health Department** Date rec'd 10/3/06 Date frwd 10/4/06 ACTION ☒ Approved ☐ Disapproved Signature Doug Simon
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd _____ Date frwd _____ ACTION ☐ Approved ☐ Disapproved Signature _____
3. **City or County Engineer** Date rec'd _____ Date frwd _____ ACTION ☐ Approved ☐ Disapproved Signature _____

Installation Final Written Approval

By _____

Date _____

Business Office Use Only
Date Rec'd 10/04/06
Amt Paid 290.00
Rec'd By _____ Cash/Check No. 4165

FORM 23-100 10-96 White - Health Dept. Yellow - Engineer Pink - Bldg. Inspector

Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

OCT 10 2006

A

Permit Number: 06 380 326001

Sewage Disposal System

Request for Site Clearance and Permit

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PLEASE PRINT OR TYPE

A. System Location (Indicate correct number and street)

Address 28787 So 82nd rd (no rural route) City Firth NE, Zip 68358

Legal Description East 1/2 (1/4) 1/4 34 (Section) 7N (Township) R7E (Range) Subdivision Addition Block Lot

Geographical Location (if known): Longitude _____ Latitude _____

☐ Check if system mail address is not the same as the owner's address

B. Owner

Name Dave DeBoer Signature _____

Address 609 Abraham City/State/Zip Firth NE 68358

☒ Check if owner designed system Home Phone _____ Work Phone 434-8462

C. Contractor

Name Paul Weber Company Name Weber Well

Address 10133 Willow Cove Lane City/State/Zip Firth NE 68358

☒ Check if contractor designed system Work Phone (402) 580-8311

D. Engineer/Installer ☐ Check and complete if engineer designed system

Designer Name _____ Firm _____ Work Phone _____

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☐ Commercial Establishment/Other Facility Specify _____

Design flow in gallons per day 600 Type of Wastewater: ☒ Domestic ☐ Non-Domestic.

DO NOT WRITE BELOW THIS LINE

Approval Process ☐ Municipal Code 24.38 ☒ County Resolution No. 2832

1. **Health Department** Date rec'd 10/3/06 Date frwd 10/4/06 ACTION ☒ Approved ☐ Disapproved Signature Doug Mack
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 10-5-06 Date frwd 10-7-06 ACTION ☑ Approved ☐ Disapproved Signature Michael A Dolph
3. **City or County Engineer** Date rec'd 10-4-06 Date frwd 10-4-06 ACTION ☒ Approved ☐ Disapproved Signature Larry V. Worrell

Line tank, partial lateral. 3/13/07 DS

Installation Final Written Approval

By Doug Mack

Date 3/23/07

Business Office Use Only
Date Rec'd 10/04/06
Amt Paid 290.00
Rec'd By _____ Cash/Check No. 4165

FORM 23-100 10-96 White - Health Dept. Yellow - Engineer Pink - Bldg. Inspector

Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

B

Permit Number:

Sewage Disposal System

Soil Absorption Test Data Report

Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 28787 So 82nd Rd (no rural route) City Firth NE, Zip Ne 68358

Owner Dave De Boer Addresss 609 Abraham Firth Ne

Soil Type (SCS): Black Top Soil to Clay Percolation Rate: 18.05 min./inch

Date of Tests 9-4-06 to 9-5-06 Weather: Precipitation _____ Temperature 64°

Percolation Test Data Table

A.	B.	C. D. E. F. Pre-Saturation Period				G. H. I. J. K. Percolation Readings					L. M. N. Results		
		Start		End		Start			End				
Hole No.	Hole Depth (in)	Date (Mo/Da)	Time (Hr/Min)	Date (Mo/Da)	Time (Hr/Min)	Date (Mo/Da)	Time (Hr/Min)	Water Lev (in.)	Date (Mo/Da)	Time (Hr/Min)	Elapsed Time (Min)	Water Level Drop (in)	Percolation Rates (Min/in)
1	24"	9-4-06	8:30	9-5-06	8:30	9-5-06	8:30	6"	9-5-06	9:00	30 Min	1½	20
2	24"	9-4-06	8:30	9-5-06	8:30	9-5-06	8:30	6"	9-5-06	9:00	30 min	1½	20
3	24"	9-4-06	8:30	9-5-06	8:30	9-5-06	8:30	6"	9-5-06	9:00	30 min	2¼	13.33
4	24"	9-4-06	8:30	9-5-06	8:30	9-5-06	8:30	6"	9-5-06	9:00	30 min	1½	20
5	24"	9-4-06	8:30	9-5-06	8:30	9-5-06	8:30	6"	9-5-06	9:00	30 min	1½	20
6	24"	9-4-06	8:30	9-5-06	8:30	9-5-06	8:30	6"	9-5-06	9:00	30 min	2	15

Sum of Percolation Rates: 108.33

Average of Rates: 18.05

Rate Used for Calculation: _____

Person Conducting Percolation Tests

Name: _____

Phone: _____

Address _____

Weber Well Service
10133 Willow Cove Lane
Firth, NE 68358
(402) 791-3008

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

Signature of Reviewing Official _____ Date _____

FORM 23-101 10-96

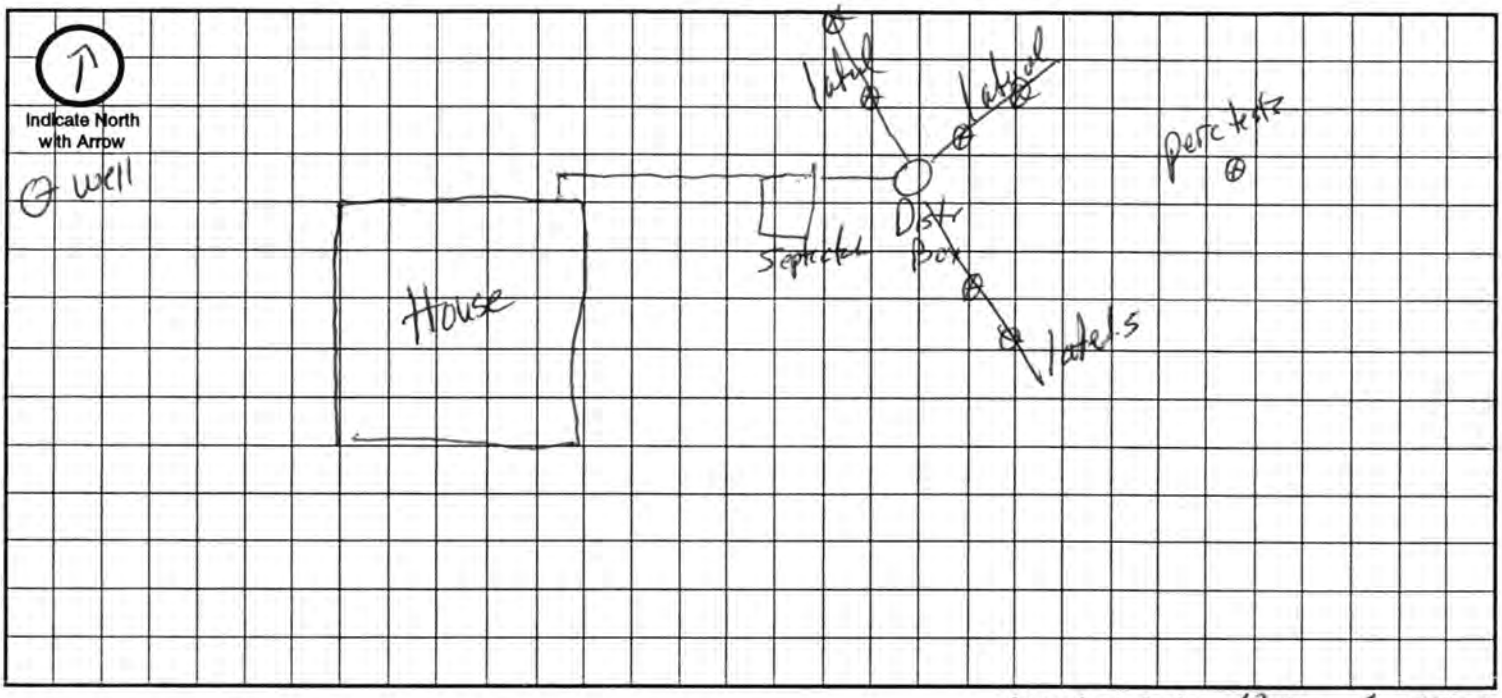
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

C

Permit Number:

Sewage Disposal System
Preliminary Plan Specifications

Draw a plot plan showing system location, lines, distribution box, tank and laterals, percolation test hole locations, well, residence, compass direction and property lines. Indicate on drawing if residence and well are existing or proposed.



Approximate Scale: 10 ft. = 1 grid line/s

A. System Location (Indicate correct number and street)

Address (no rural route) 29787 So 82nd Rd City Firth NE, Zip 68358

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ Plastic ☐ Other _____

C. Proposed Absorption System (See Form B for Percolation Information)

Percolation Rate 18.05 (min. per inch) Soil Type: Black Top soil - clay Land Slope: < 10 %

Type of Absorption System: ☒ Trench ☐ Bed ☐ Other _____

Total Square Feet of Field Required: 1050 sq. ft.

Type of Lateral: ☒ Half-Moon ☐ Perforated Pipe ☐ Other Lateral Material: _____

Capacity of Septic Tank 1500 gals Number of Absorption Beds: 0 Number of Distribution Laterals per Bed 0

Total Length of Laterals 2625 ft. Number of Trenches 3 Trench Width 4'

D. Setbacks Check the Boxes Below if the Required Setback has been Satisfied

Distance From	Private Well	Public Well	Surface Water	Gound Water	Pressure Water Lines	Property Lines	Foundations Yours	Foundations Neighbors	All Other Setbacks
Tank (ft)	50 ☒	500 ☐	50 ☒	NA ☒	25 ☒	20 ☒	15 ☒	25 ☒	☒
Field (ft)	100 ☒	500 ☐	50 ☒	4 ☒	30 ☒	20 ☒	30 ☒	40 ☒	☒
Lagoon (ft)	100 ☐	500 ☐	50 ☐	N/A ☐	30 ☐	50 ☐	100 ☐	200 ☐	☐

E. Required Signatures

Home Building Contractor _____ Date _____

Installer Paul Weber Weber Wc Date 9.

Weber Well Service
10133 Willow Cove Lane
Firth, NE 68358
(402) 791-3008

FORM 23-102 10-96

Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

D

Permit Number:

Sewage Disposal System

As Built Plans & Specifications

Date _____

System Location (Indicate correct number and street)

Address _____ City Firth NE, Zip 68357
(no rural route)

A. Building Sewer

1. Material: Sch 40 PVC
   Diameter: 4" in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 30 in.
3. Distance between dwelling and septic tank: 40 ft.
4. Number of clean-outs: 1
5. Distances to: well or suction line 200 ft.
   stream 1000 ft.
   pressure line 150 ft.
   property line 300 ft.

B. Septic Tank

1. Material: Comet
   Number of compartments: 1
2. Capacity: 1500 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter 12 in.
   Over outlet, diameter 12 in.
   Riser: ☐ above ☒ below grade 24 in.
5. Inlet: ☒ baffle ☐ tee
6. Outlet: ☒ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 24 in.
8. Distances to: Well or suction line 200 ft.
   Stream 1000 ft.
   Pressure line 150 ft.
   Property line 300 ft.

C. Distribution Box

1. Material: Comet
   Number available outlets: 6
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 10 ft.

D. Absorption Field

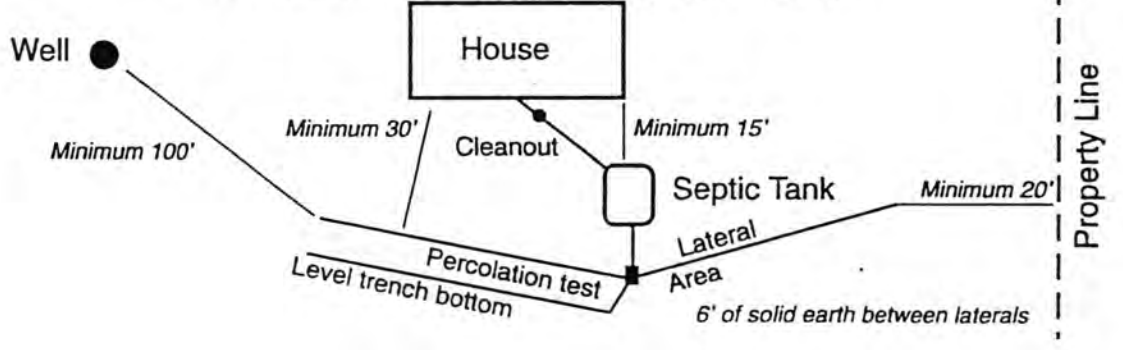
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: 36"
   or perforated pipe: _____
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other _____
2. Lateral lines: Number 3
   Length of each line: 90 ft. 84 ft.
   90 ft. _____ ft., _____ ft.
3. Trench dimensions: Width 4 ft.
   Slope 3 in/100 ft.
   Average depth 30" in
4. Filter material: _____
   Depth of material _____ in.
5. Distances to: Well or suction line 200 ft.
   Stream 1000 ft.
   Pressure line 150 ft.
   Property line 300 ft.

Complete "As Built" drawing on back of this form.

Indicate North with Arrow

Individual Sewage System Design (Example)



Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

D

Permit Number:

Sewage Disposal System

As Built Plans & Specifications

Date 3-21-07 Dave DeBoer

System Location (Indicate correct number and street)

Address 28787 South 82nd Rd (no rural route) City Firth NE, Zip 68358

A. Building Sewer

1. Material: sch 40 PVC
   Diameter: 4 in.
2. Distance above basement floor: — in.
   or distance below basement floor: 24 in.
3. Distance between dwelling and septic tank: 60 ft.
4. Number of clean-outs: 1
5. Distances to: well or suction line 125 ft.
   stream — ft.
   pressure line 135 ft.
   property line 200 ft.

B. Septic Tank

1. Material: Cement
   Number of compartments: ____
2. Capacity: 1500 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter 6 in.
   Over outlet, diameter 6 in.
   Riser: ☐ above ☐ below (grade) 12 in.
5. Inlet: ☒ baffle ☐ tee
6. Outlet: ☒ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 12 in.
8. Distances to: Well or suction line 180 ft.
   Stream — ft.
   Pressure line 170 ft.
   Property line 200 ft.

C. Distribution Box

1. Material: Cement
   Number available outlets: ____
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 10 ft.

D. Absorption Field

(Provide as-built drawings on back of this form)

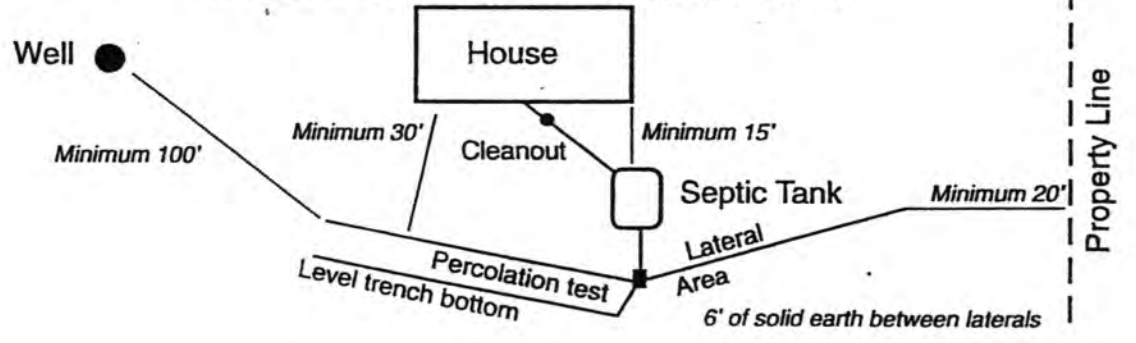
1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: ____
   or perforated pipe: ____
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other ____
2. Lateral lines: Number 3
   Length of each line: 92 ft. 88 ft.
   84 ft. ____ ft., ____ ft.
3. Trench dimensions: Width 4 ft.
   Slope 1 in/100 ft.
   Average depth 48 in
4. Filter material: ____
   Depth of material ____ in.
5. Distances to: Well or suction line 125 ft.
   Stream — ft.
   Pressure line 135 ft.
   Property line 200 ft.

Weber Well Service
10133 Willow Cove Lane
Firth, NE 68358
(402) 791-3008

Complete "As Built drawing" [illegible].

Indicate North with Arrow

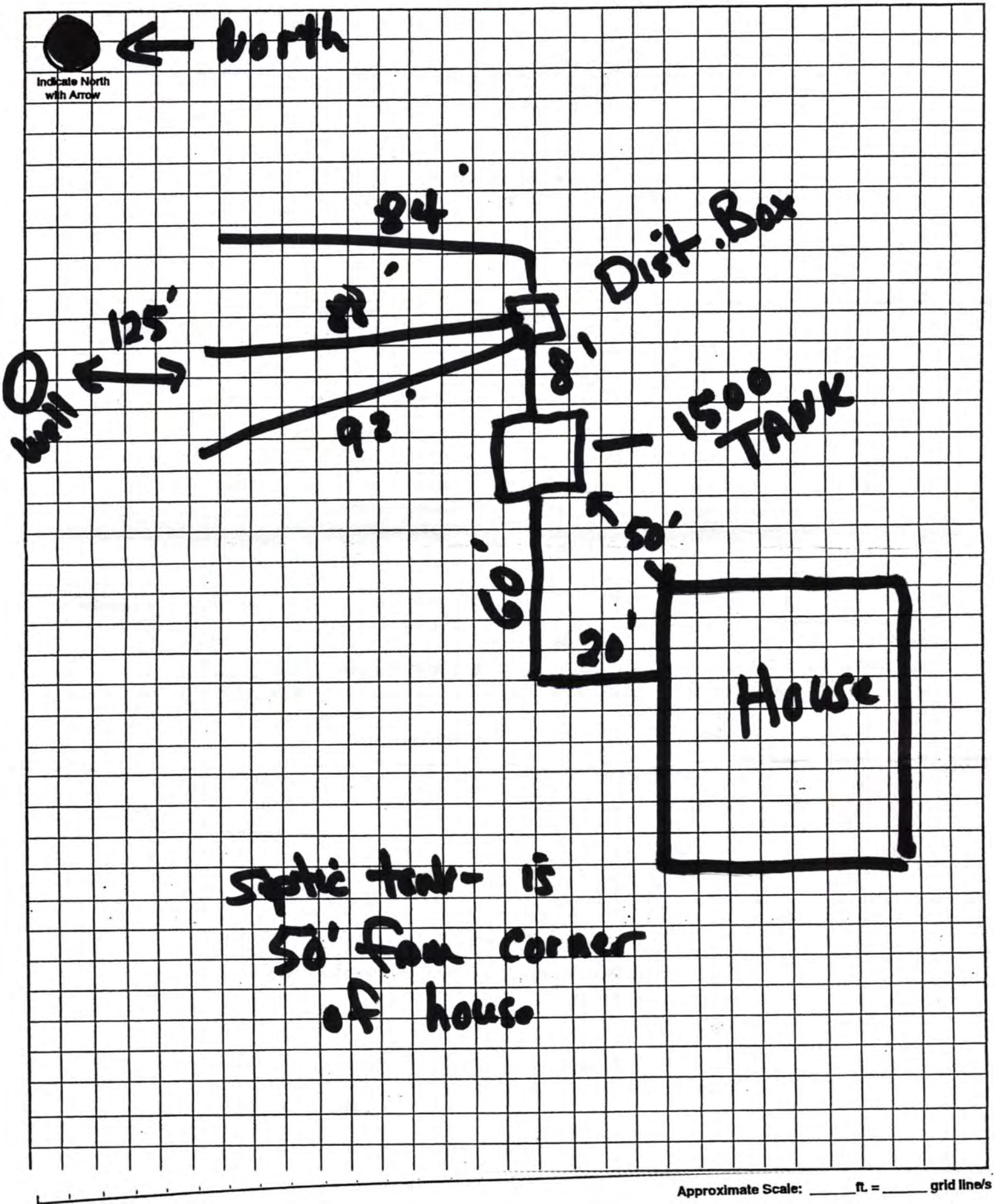
Individual Sewage System Design (Example)



FORM 23-103 10-96

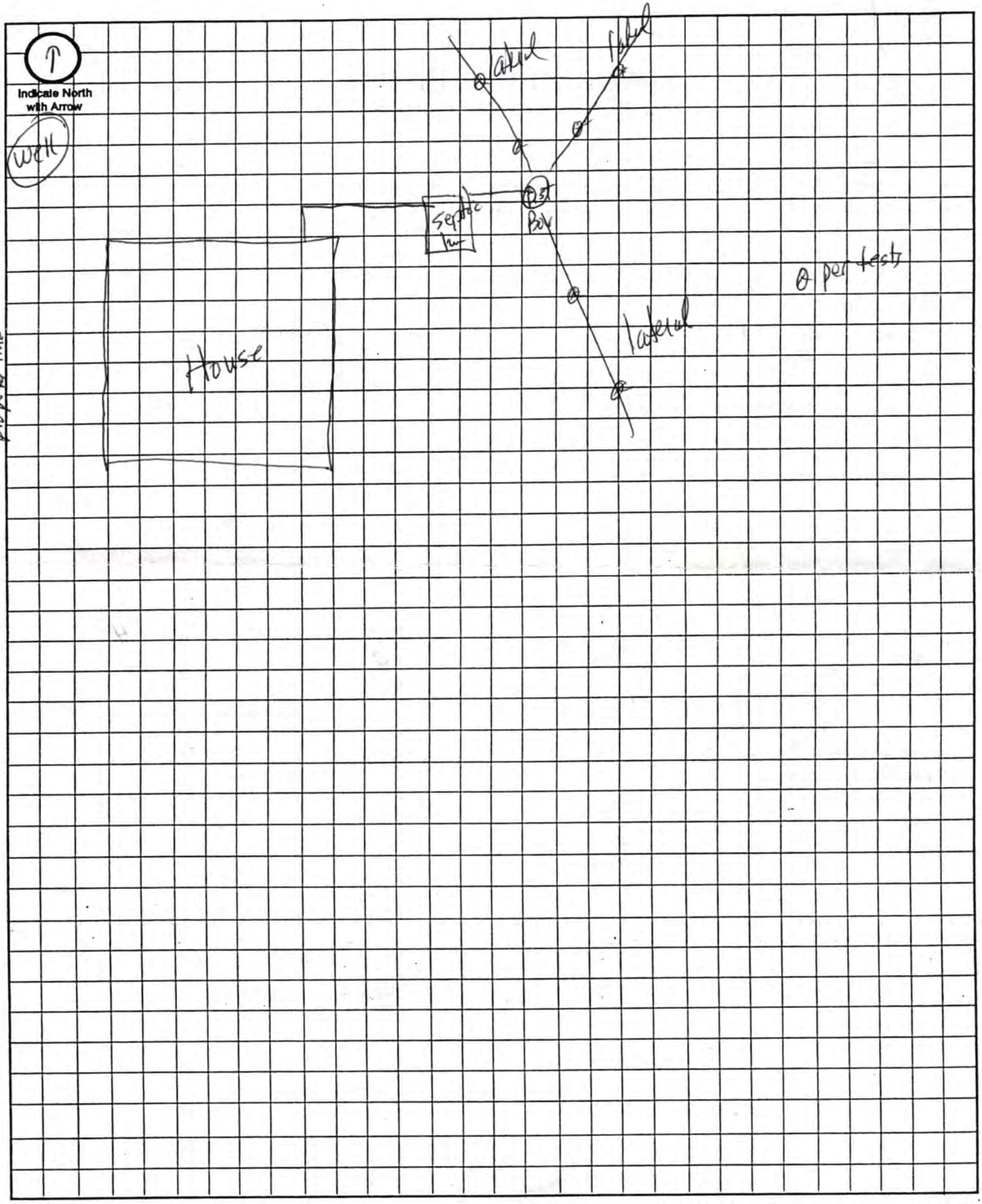
Weber Well Service
10133 Willow Cove Lane
Firth, NE 68358
(402) 791-3008

Dave DeBoer
28787 South 82nd Firth



As Built Drawing

Proposed ?



Approximate Scale: _____ ft. = _____ grid line/s