Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

002126

(402) 441-8000

Permit SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 03380261801

Issued 04/14/03
Expires 10/14/03
Revenue Code 3157

Establishment LARRY & DEB SCHERER
T11N R5E SEC 14 QTR SE
20.5 ACRES LOT 24IT
NW 70TH & BLUFF RD-MALCOLM

FEES: $200.00

Permittee LARRY & DEB SCHERER
3711 MOHAWK ST
LINCOLN NE 68510

TOTAL: $200.00

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: 033802G1801

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 NW. 70th + Bluff Road (no rural route) City Malcom NE, Zip NE 68402

Legal Description SE 14 11N 5E 20.5 acres 24 I.T.
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

Name Larry + Deb Scherer Signature [signature]

Address 3711 Mohawk St City/State/Zip Lincoln, NE 68516

☑ Check if owner designed system Home Phone 402-327-8431 Work Phone 402-471-0028

C. Contractor

Name Jim Avery Company Name Jim Avery Construction

Address Box 434 City/State/Zip Utica, NE 68456

☐ Check if contractor designed system Work Phone 402-534-5431

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

Designer Name Ron Stecher Firm Ron + Jerry's Plumbing Work Phone 402-362-5800

E. This System Will Serve a

☑ Residential Dwelling Number of Bedrooms ~~3~~ 2 Is there a Whirlpool Bathtub (YES) NO

☐ Commercial Establishment/Other Facility Specify _____

Design flow in gallons per day_____ 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** 8-8-03 rm sewer + tank
   Date rec'd 4/14/03 Date frwd 4/15/03
   ACTION ☒ Approved ☐ Disapproved
   Signature Gerald C. Hood

2. **Supt. Bldg. Insp. or Village Clerk**
   Date rec'd 4/15/03 Date frwd 4/15/03
   ACTION ☒ Approved ☐ Disapproved
   Signature [signature]

3. **City or County Engineer**
   Date rec'd 4/15/03 Date frwd 4/14/03
   ACTION ☒ Approved ☐ Disapproved
   Signature Jim Blough

Installation Final Written Approval

By Ron Mayer

Date 8-15-03

Business Office Use Only
Date Rec'd 4/14/03
Amt Paid $200.00
Rec'd By CW Cash/Check No. 1744

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: 033802618

Sewage Disposal System

Soil Absorption Test Data Report

Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address NW 70th + Bluff Road (no rural route) City Malcom NE, Zip 68402

Owner LARRY SCHERER Addresss 3711 Mohawk St, Lincoln, NE 68510

Soil Type (SCS): Sharpsburg / Pawnee / Burchard Percolation Rate: _____ min./inch

Date of Tests April 12, 2003 to April 13, 2003 Weather: Precipitation clear, warm Temperature 85 °F

Percolation Test Data Table

A.	B.	C. D. E. F. Pre-Saturation Period				G. H. I. J. K. Percolation Readings					L. M. N. Results		
	6" lum	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	36	4/12	2:30	4/12	6:30	4/13	2:40	20	4/13	6:45	30	4 1/2	6 2/3 / 1
2	36	4/12	2:31	4/12	6:32	4/13	2:42	20	4/13	6:46	30	1 1/2	20 / 1
3	36	4/12	2:32	4/12	6:34	4/13	2:44	20	4/13	6:47	30	1 1/2	20 / 1
4	36	4/12	2:33	4/12	6:36	4/13	2:46	20	4/13	6:47	30	1/2	60 / 1
5	36	4/12	2:34	4/12	6:37	4/13	2:48	20	4/13	6:47	30	1/2	60 / 1
6	36	4/12	2:35	4/12	6:38	4/13	2:50	18	4/13	6:46	30	1/4	120 / 1

Sum of Percolation Rates: 286 2/3 / 6 holes tested

Average of Rates: 47.77 / 1

Rate Used for Calculation: 48 / 6 Omaha 16.1

Person Conducting Percolation Tests

Name: Larry + Deb Scherer

Phone: 327-8431, 471-0026

Address 3711 Mohawk St
Lincoln, NE 68510

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks One failing perc hole is probably in the Pawnee soil of soil map. Be certain to install drainfield laterals in Sharpsburg soil.

Signature of Reviewing Official _____ Date 4-14-03

FORM 23-101 10-96

Lincoln-Lancaster County Health Department
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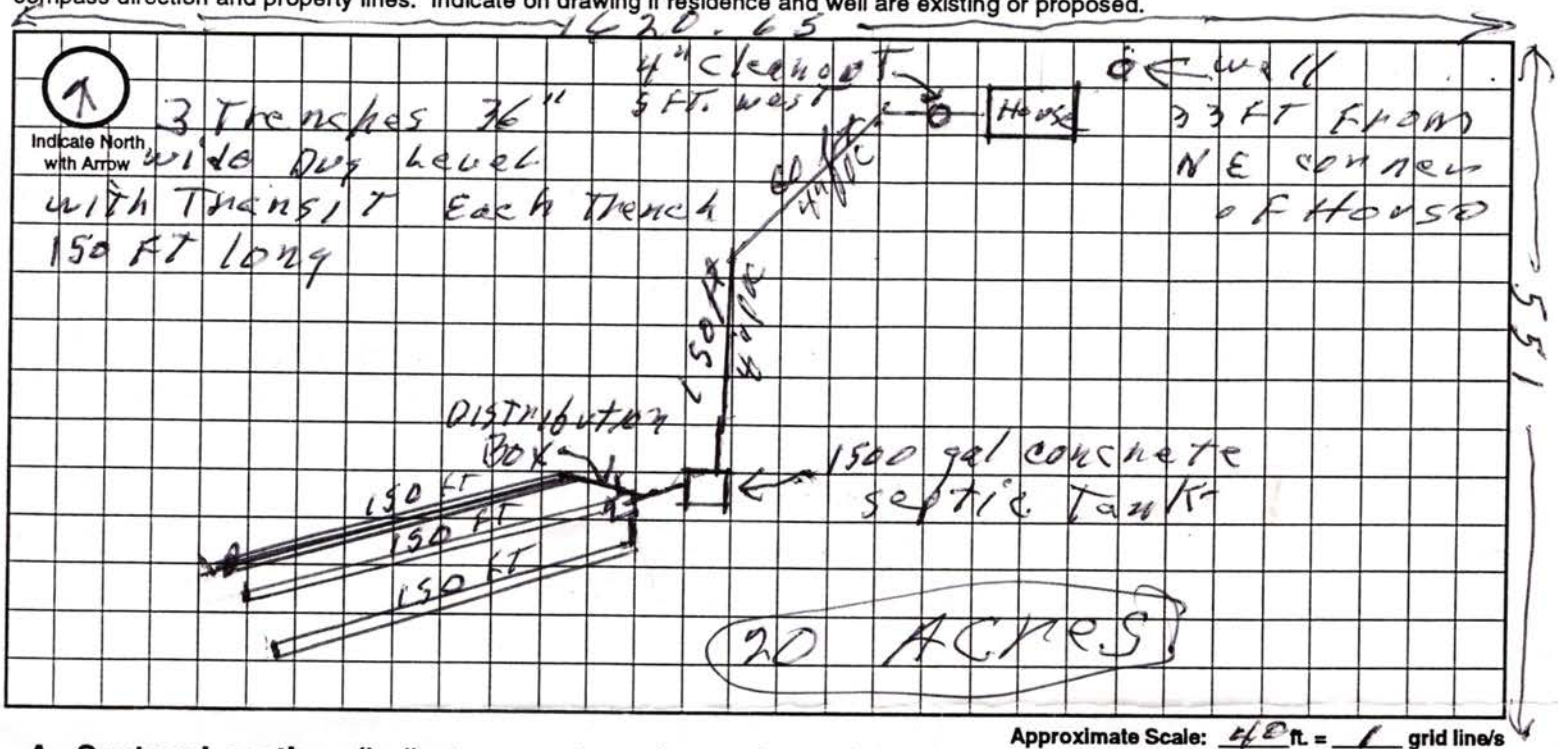
C

Permit Number: 0040

Sewage Disposal System
Preliminary Plan Specifications

033802618

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: 40 ft. = 1 grid line/s

A. System Location (Indicate correct number and street)

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

B. Proposed Septic Tank/s

Tank Material: ☐ Concrete ☒ Plastic ☐ Other _____

466
3 1400
18
20

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

Percolation Rate ~~45~~ 60/1 (min. per inch) Soil Type: Clay SHPB Land Slope: 2% %

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

Total Square Feet of Field Required: ~~1400~~ 1200 sq. ft. 3 1200 400

Type of Lateral: ☐ Half-Moon ☐ Perforated Pipe ☒ Other Lateral Material: 8" Full circle / with Filter Fabric

Capacity of Septic Tank 1250 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals ~~1400~~ 1200 ft Number of Trenches ~~3~~ 4 Trench Width 36"

~~1200~~ 350

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 Jim Avery Date 4-14-03

Installer Ronald A Stoehr Date 4-14-03

FORM 23-102 10-96

Ron + Jerry's P+H - 402-362-5800
York Rebr 120 E 5th 68467

D

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RECEIVED
AUG 14 2003

Permit Number: 0040

Sewage Disposal System

As Built Plans & Specifications

Date August 14-03 Larry J. Scherer

System Location (Indicate correct number and street)

Address 10861 N.W 70th (no rural route) City Malcolm NE, Zip

A. Building Sewer

1. Material: SDR 26
   Diameter: 4" in.
2. Distance above basement floor: ____ in.
   or distance below basement floor: 16 in.
3. Distance between dwelling and septic tank: 168 ft.
4. Number of clean-outs: 2
5. Distances to: well or suction line 100 ft.
   stream 1000 ft.
   pressure line 100 ft.
   property line 500 ft.

B. Septic Tank

1. Material: Snyder Poly
   Number of compartments: 2
2. Capacity: 1250 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter 20 in.
   Over outlet, diameter 10 in.
   Riser: ☐ above ☐ below grade ____ in.
5. Inlet: ☐ baffle ☒ tee
6. Outlet: ☐ baffle ☒ tee
7. Depth to top of tank, below unfinished grade: 10 in.
8. Distances to: Well or suction line 250 ft.
   Stream 1000 ft.
   Pressure line 200 ft.
   Property line 500 ft.

C. Distribution Box

1. Material: Poly
   Number available outlets: 5
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 12 ft ft.

D. Absorption Field

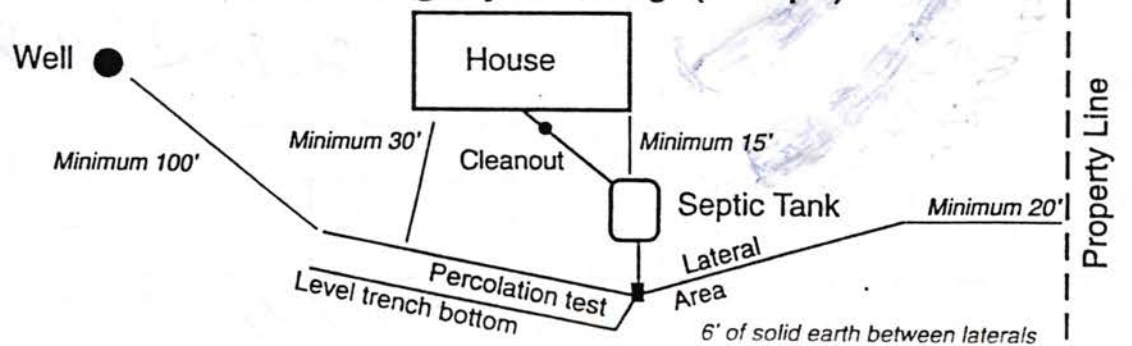
(Provide as-built drawings on back of this form)

1. Type: ☐ Half rounds ☒ Perforated pipe
   Diameter of half round: ____
   or perforated pipe: 8" gravelless
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other ____
2. Lateral lines: Number 2
   Length of each line: 120 ft. ____ ft.
   ____ ft. 115 ft., 235 ft.
3. Trench dimensions: Width 2 ft.
   Slope 2" in/100 ft.
   Average depth 24 in
4. Filter material: Coarse gravel
   Depth of material 12 in.
5. Distances to: Well or suction line 260 ft.
   Stream 1000 ft.
   Pressure line 200 ft.
   Property line 500 ft.

Indicate North with Arrow

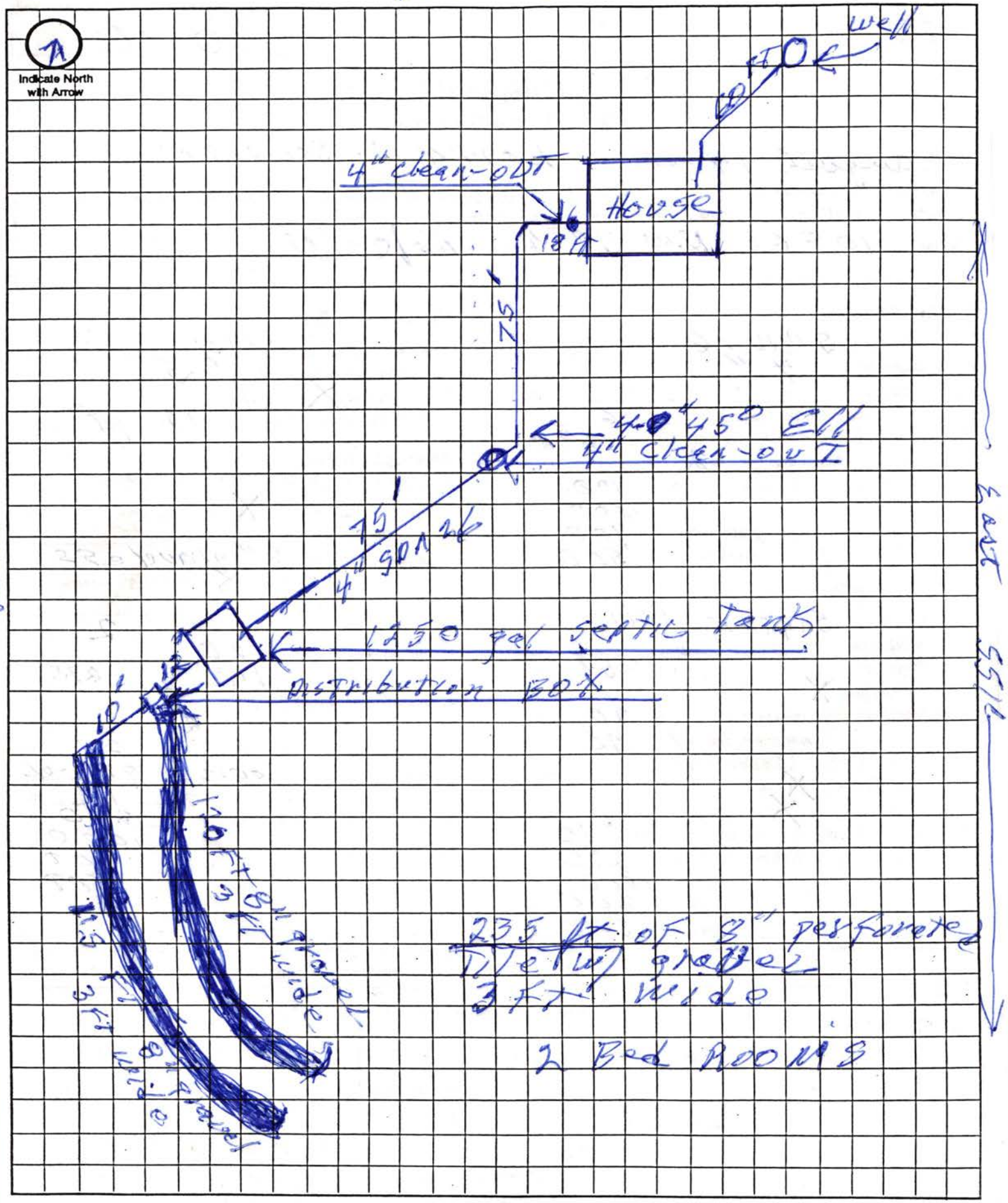
Complete "As Built" drawing on back of this form.

Individual Sewage System Design (Example)



FORM 23-103 10-96

As Built Drawing



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

LANCASTER COUNTY, NEBRASKA

