Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

003076

(402) 441-8000

Permit SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 03380271501

Issued 09/19/03
Expires 03/19/04
Revenue Code 3157

Establishment DALE RENICK
T11N R7E SEC 5 QTR NE
LOT 23
14655 N 56 ST

FEES: $200.00

TOTAL: $200.00

Permittee DALE RENICK
4015 N 44 ST
LINCOLN NE 68504

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: 0338027 1501

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 14655 N 56th ST (no rural route) City Lincoln NE, Zip 68514

Legal Description NE 1/4 5 1/4 Section 11 Township 7 Range Lot 23 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 Dale Renick Signature Dale Renick

Address 4015 N 44th ST City/State/Zip Lincoln NE 68504

☐ Check if owner designed system Home Phone 402-464-2875 Work Phone Same

C. Contractor

Name Harry Mahlbach Company Name H.H. Mahlbach Constr

Address 14605 N 56 City/State/Zip Lincoln Ne 68514

☑ Check if contractor designed system Work Phone 785-3845

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 3 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** Date rec'd 9-19-03 Date frwd 9-19-03 ACTION ☒ Approved ☐ Disapproved Signature Ron Mayont
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 9-22-03 Date frwd 9-22-03 ACTION ☒ Approved ☐ Disapproved Signature _____
3. **City or County Engineer** Date rec'd 9-22-03 Date frwd 9-22-03 ACTION ☒ Approved by home owner ☐ Disapproved Signature James Blough

Installation Final Written Approval

By Ron Mayont

Date 3-31-04

Business Office Use Only

Date Rec'd 9/19/03

Amt Paid $200.00

Rec'd By QW Cash/Check No. 7155

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

Lincoln-Lancaster County Health Department
Environmental Health Division
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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 14655 N 56th st (no rural route) City Lincoln NE, Zip 68514

Owner Dale Renick Addresss 4015 N 44th st Lincoln NE 68504

Soil Type (SCS): _____ Percolation Rate: 20 min./inch

Date of Tests 9-10-03 to 9-18-03 Weather: Precipitation 4" Temperature 80°s

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	2'	9-10	8:30	9-11	8:30	9-11	8:30	18"	9-11	12:30	30	1.5	20 20
2	2'	9-10	8:30	9-11	8:30	9-11	8:30	18"	9-11	12:30	30	1.5	20 20
3	2'	9-10	8:30	9-11	8:30	9-11	8:30	18"	9-11	12:30	30	1	~~10~~ 30
4	2'	9-10	8:30	9-11	8:30	9-11	8:30	18"	9-11	12:30	30	2	~~30~~ 15
5	2'	9-17	8:00	9-18	8:00	9-18	8:00	18"	9-18	12:00	30	1.5	20
6	2'	9-17	8:00	9-18	8:00	9-18	8:00	18"	9-18	12:00	30	2	15
													120
													20 / 6 | 120

Person Conducting Percolation Tests

Name: Dale Renick & Harry Muhlbach

Phone: 785-3815

Address 14605 N 56th Lincoln Ne

Sum of Percolation Rates: ~~560~~ 120

Average of Rates: ~~11.7~~ 20 mpi

Rate Used for Calculation: ~~Inch/Minute~~

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks Appears to be a Judson inclusion up this drainage way to account for the fast perc rate

Signature of Reviewing Official Ron Majewski Date 9-18-03

FORM 23-101 10-96

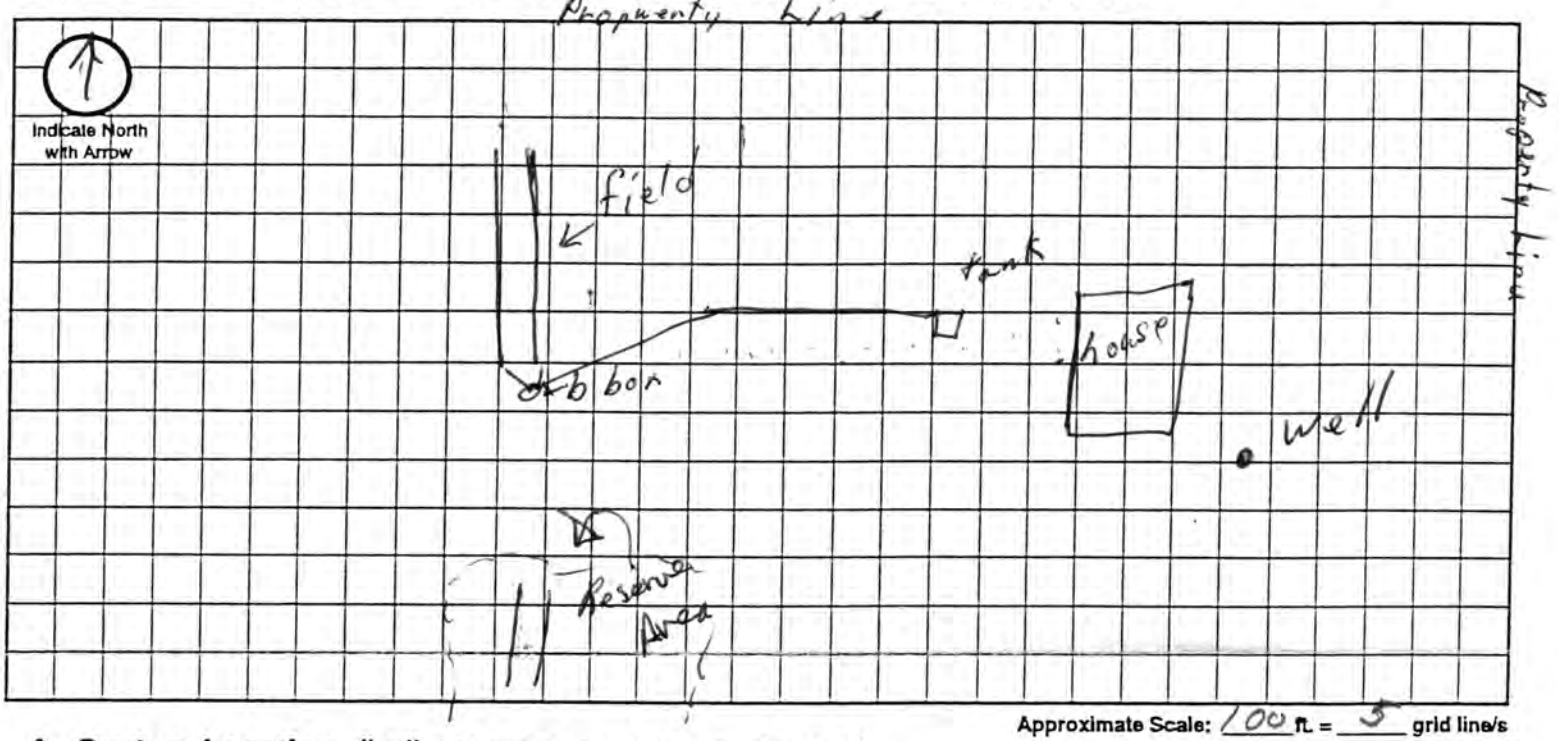
Lincoln-Lancaster County Health Department
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C

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: 100 ft. = 5 grid line/s

A. System Location (Indicate correct number and street)

Address (no rural route) 14655 N 56th City Lincoln NE, Zip 68514

B. Proposed Septic Tank/s

Tank Material: ☑ Concrete ☐ Plastic ☐ Other

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

Percolation Rate 14.15 (min. per inch) Soil Type: Loam Land Slope: flat %

Type of Absorption System: ☑ Trench ☐ Bed ☐ Other

Total Square Feet of Field Required: 630 sq. ft. 210 3|630 315 2|630

Type of Lateral: ☐ Half-Moon ☐ Perforated Pipe ☐ Other Lateral Material: Infiltrator (Locking)

Capacity of Septic Tank 1000 gals Number of Absorption Beds: Number of Distribution Laterals per Bed

Total Length of Laterals 315 ft. Number of Trenches 3 Trench Width 24"

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 Dale Renick Date 9-7-03

Installer Harry T. Mullock Date 9-7-03

FORM 23-102 10-96

Lincoln-Lancaster County Health Department
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D

Permit Number:

Sewage Disposal System

As Built Plans & Specifications

Date 11-10-03 Mulholland

System Location (Indicate correct number and street)

Address 14655 N 56th Str City Lincoln NE, Zip 68514

(no rural route) 5-11-7

A. Building Sewer

1. Material: Schedule 40 4" pipe
   Diameter: 4" in.
2. Distance above basement floor: — in.
   or distance below basement floor: 36" in.
3. Distance between dwelling and septic tank: 160 ft.
4. Number of clean-outs: 3
5. Distances to: well or suction line 150 ft.
   stream — ft.
   pressure line 150 ft.
   property line 100 ft.

B. Septic Tank

1. Material: Concrete
   Number of compartments: 1
2. Capacity: 1000 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter 18" in.
   Over outlet, diameter 18" in.
   Riser: ☒ above ☐ below grade even 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 310 ft.
   Stream — ft.
   Pressure line 310 ft.
   Property line 110 ft.

C. Distribution Box

1. Material: Concrete
   Number available outlets: 5
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 18 ft.

D. Absorption Field

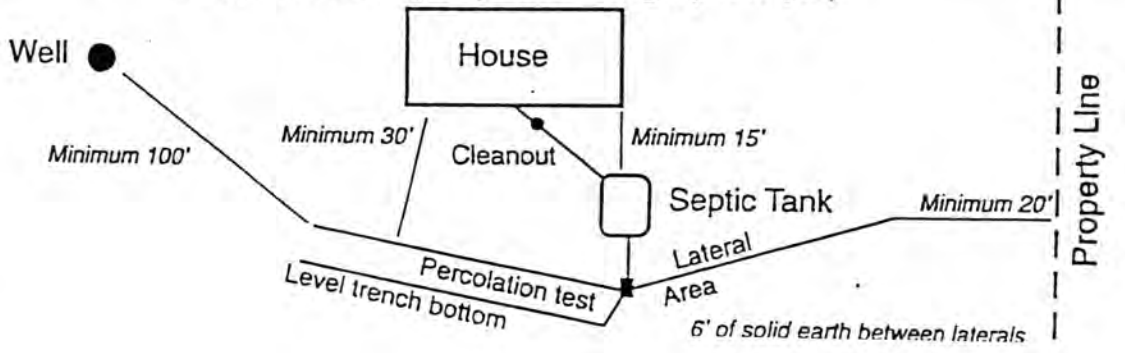
(Provide as-built drawings on back of this form)

1. Type: ☐ Half rounds ☐ Perforated pipe W H
   Diameter of half round: Infiltrator 34" by 16"
   or perforated pipe:
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other
2. Lateral lines: Number 2
   Length of each line: 100 ft. 110 ft.
   ft. ft., ft.
3. Trench dimensions: Width 40" ft.
   Slope Level in/100 ft.
   Average depth 2 in
4. Filter material: Natural Soil
   Depth of material 24 in.
5. Distances to: Well or suction line 328 ft.
   Stream — ft.
   Pressure line 328 ft.
   Property line 20 ft.

Indicate North with Arrow

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

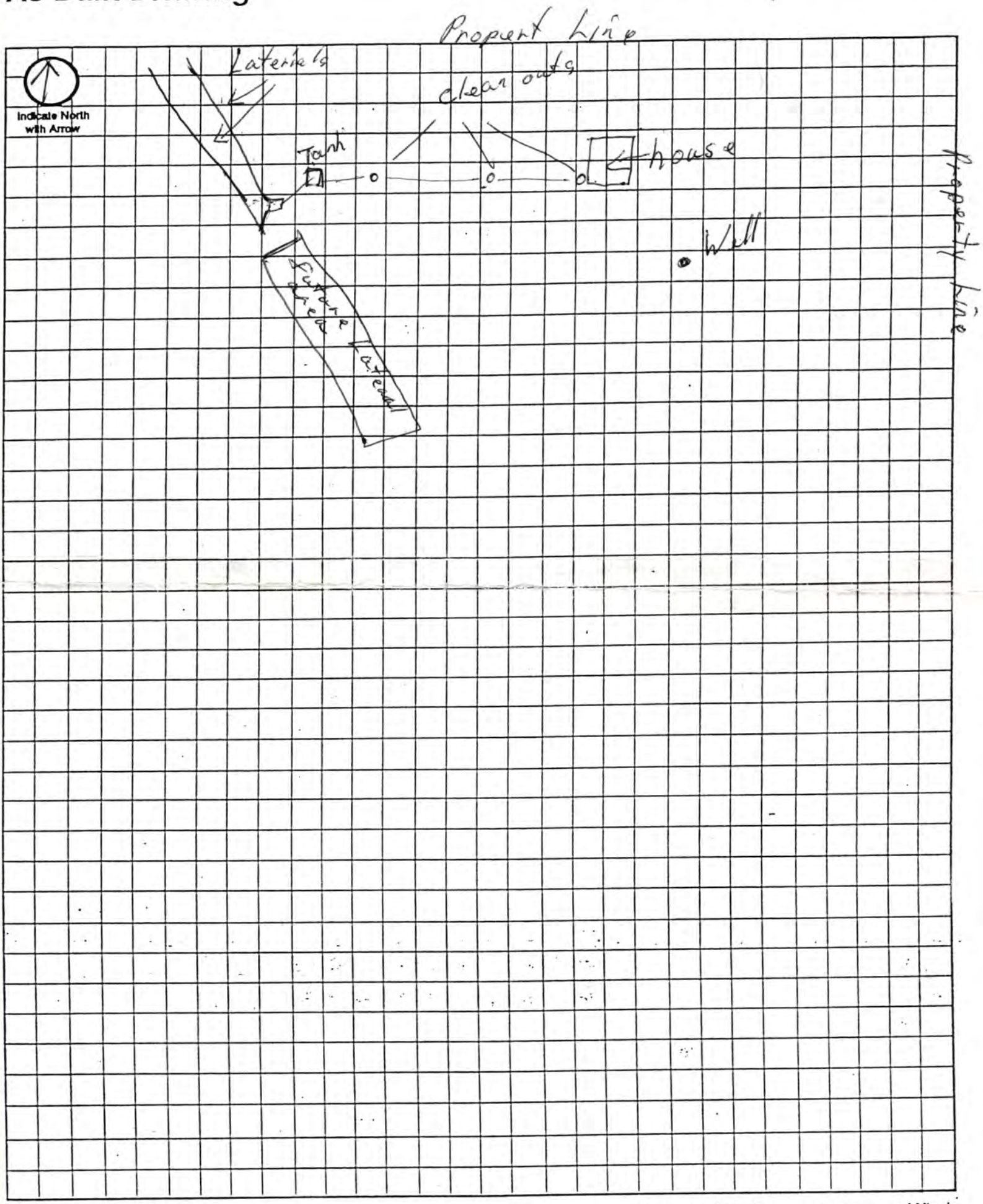
Individual Sewage System Design (Example)



FORM 23-103 10-96

As Built Drawing

1 sq = 20 ft



RECEIVED
DEC 27 2008
LINCOLN COUNTY LAND USE

2 790 000 FEET

480 000 FEET

N

WtD3 Wymore silty clay loam
- seasonal high water table 1-3 ft
- slow infiltration rate
- steep slopes

BpF - Brownell-Pawnee complex
- steep slopes
- seasonal high water table

JuC - Judson silt loam
- good agricultural soil

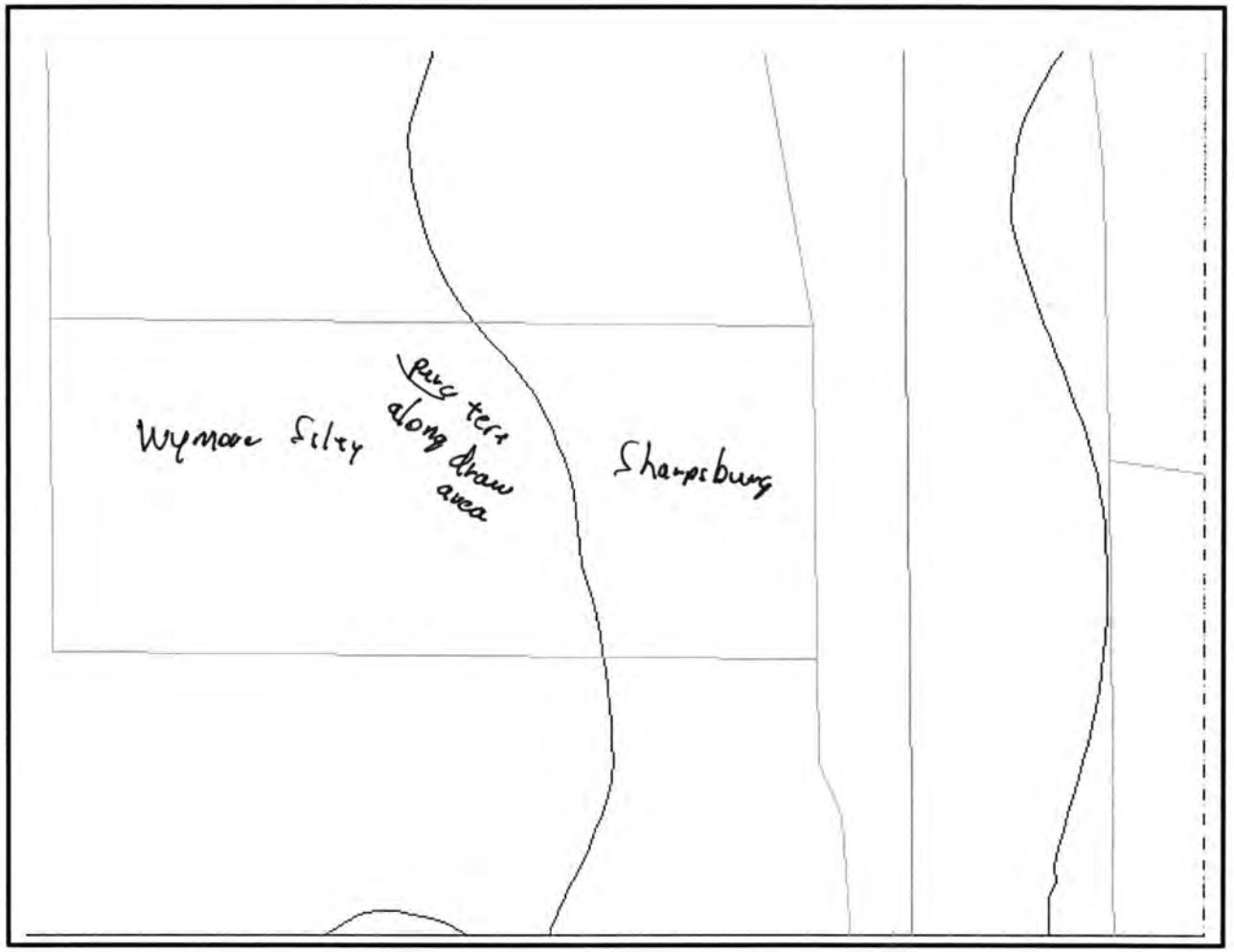
Cp - Coly-Wabaunsee silt clay loams: Flooding is frequent
seasonal high water table 2-3 ft
3-5 in/hr

PaC2 - Pawnee Clay loam
- water table below 6 ft
- slow infiltration rate

ShD2
BpF
WtD3
ShD
ShC
PaD2
PaC2
PbC3
WtC2
MeC2
JuC
Cp

ESRI ArcExplorer 2.0

Renick



streets
Parcels
soils (MUSYM)

N

Wednesday, Sep 17 2003