Lincoln-Lancaster County Health Department

ENVIRONMENTAL HEALTH DIVISION
3140 N STREET · LINCOLN, NE 68510-1514 (402) 441-8000

Permit

SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 01380228301

Issued 02/02/01
Expires 08/02/01
Revenue Code 3157

FEES: $200.00

Establishment

PATRICK G TVRDY
T12N R7E SEC 10 QTR SE
S 20.25 ACRES--NE1/4
21801 N 84 ST--CERESCO

TOTAL: $200.00

Permitee

PATRICK G TVRDY
4201 GREENWOOD ST
LINCOLN NE 68504

Leon F. Vinci, MPH, Health Director

• POST IN A PROMINENT PLACE • NOT TRANSFERABLE

014316

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

A

Permit Number: 01302283

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 2180 N. 84th (no rural route) City Lincoln Ceresco NE, Zip

Legal Description S1/2 NE1/4 Section 10 12N R7E SOUTH OF 20.25A
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 Patrick G. Tvrdy Signature

Address 4201 Greenwood City/State/Zip Lincoln NE 68504

☑ Check if owner designed system Home Phone 467-1229 Work Phone 467-1270 ext 560-4193

C. Contractor

Name Company Name

Address City/State/Zip

☐ Check if contractor designed system Work Phone

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 2/2/01 Date frwd 2/6/01 ACTION ☒ Approved ☐ Disapproved Signature Jerrold C. Hood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 2-6-01 Date frwd 2-6-01 ACTION ☒ Approved ☐ Disapproved Signature
3. **City or County Engineer** Date rec'd 2/6/01 Date frwd 2/6/01 ACTION ☒ Approved ☐ Disapproved Signature

Installation Final Written Approval

By Paul Dadson

Date 6-27-01

Business Office Use Only
Date Rec'd 02/02/01
Amt Paid 200.00
Rec'd By LS Cash/Check No. 111

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: 013802283

Sewage Disposal System

Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 21801 N 84th (no rural route) City Cerisco NE, Zip

Owner Patrick G Tvrdy Addresss 4201 Greenwood

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

Date of Tests 11-4 11-25 to 11-5 11-26 Weather: Precipitation 1/2 Temperature 45 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		
		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	30	11/4	1:20	11/4	5:20	11/5	2:50		11/5	6:50	30	0	
2	31											~~1/2~~	~~60~~
3	28											5/8	~~48.00~~
4	24											1 5/8	18.46
5	30											1 1/2	20.0
6	28											3 3/8	12.63
7	31	11/25	10:00	11/25	2:00	11/26	10:30		11/26	2:30		1 1/4	24.0
8	30	"	"	"	"				"	"		2	15.0
													168.84

24.12

Sum of Percolation Rates: 11.1/2

Average of Rates: 1.642 inches

Rate Used for Calculation: .23 mpi

Person Conducting Percolation Tests

Name: Pat Tvrdy

Phone: 467-1229

Address 4201 Greenwood
Lincoln NE 68504

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks Sharpsburg Silt

Signature of Reviewing Official Ron Wright Date 2-2-01

FORM 23-101 10-96

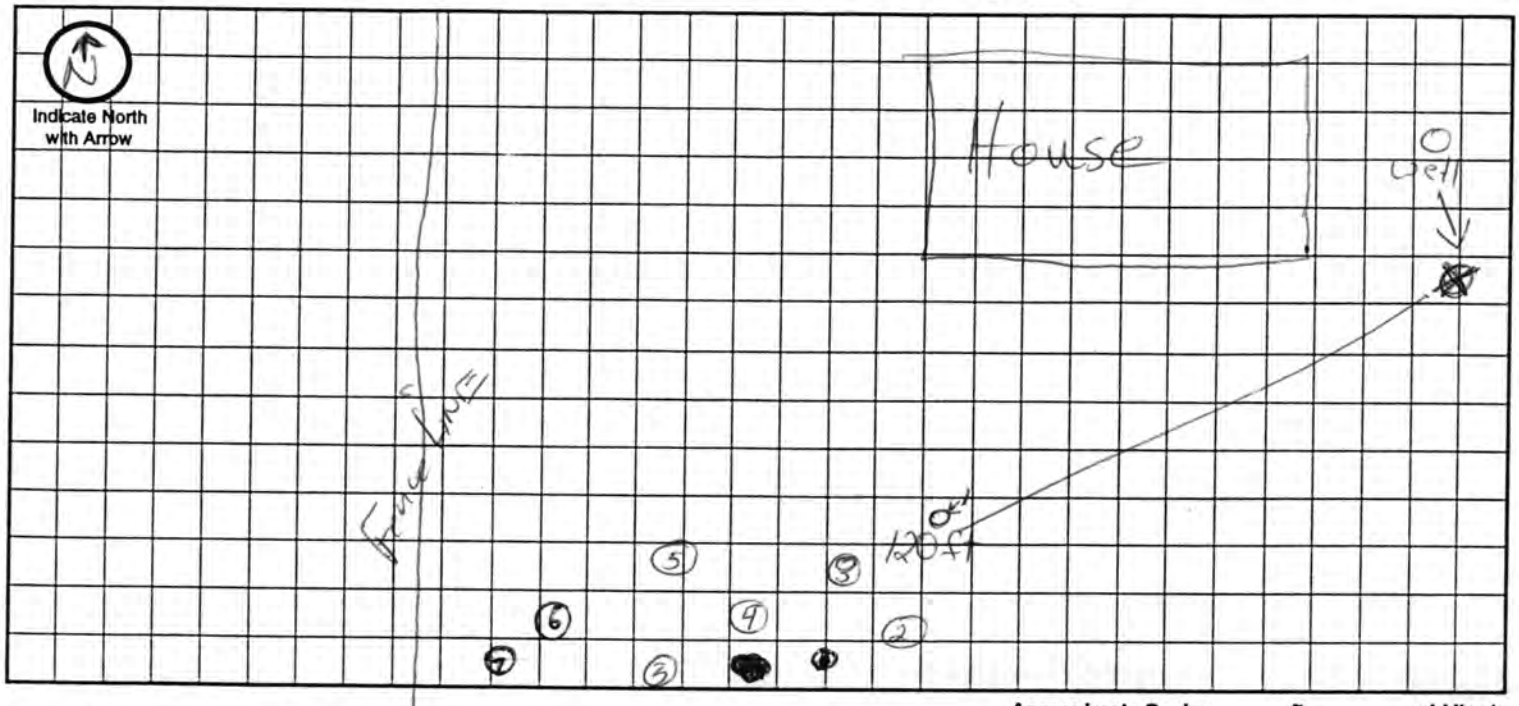
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

C

Permit Number: 013802283

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: _____ ft. = _____ grid line/s

A. System Location (Indicate correct number and street)

Address (no rural route) 21801 N 84th City Ceresco NE, Zip _____

B. Proposed Septic Tank/s

Tank Material: ☐ Concrete ☒ Plastic ☐ Other _____

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

Percolation Rate 23 (min. per inch) Soil Type: Shrewsbury Land Slope: _____ %

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

Total Square Feet of Field Required: 750 sq. ft. $2\overline{)750}^{375}$ 2 ft

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

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

Total Length of Laterals 375 ft. Number of Trenches 4 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 [signature] Date 2-2-00

Installer SAME Date _____

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: 01380228301

Sewage Disposal System
As Built Plans & Specifications

Received 6-27-01

Date 6-27-01

System Location (Indicate correct number and street)

Address ~~7101~~ ~~Elm~~ 21801 N 84th (no rural route) City Ceresco NE, Zip 68017

A. Building Sewer

1. Material: PVC
   Diameter: 4 in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 6 in.
3. Distance between dwelling and septic tank: 98 ft.
4. Number of clean-outs: 2
5. Distances to: well or suction line 64 ft.
   stream _____ ft.
   pressure line _____ ft.
   property line _____ ft.

B. Septic Tank

1. Material: PVC
   Number of compartments: 1
2. Capacity: 1000 gal.
3. Factory built: ☐ Yes ☑ No
4. Manholes: Over inlet, diameter _____ in.
   Over outlet, diameter _____ 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 118 ft.
   Stream _____ ft.
   Pressure line _____ ft.
   Property line 109 ft.

C. Distribution Box

1. Material: Plastic
   Number available outlets: 4
2. Factory built: ☐ Yes ☒ No
3. Distance from septic tank: 21 ft ft.

D. Absorption Field

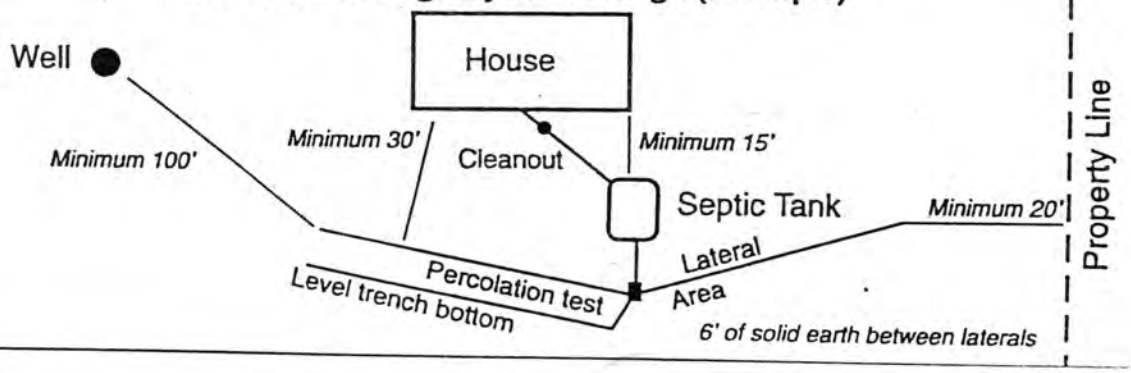
(Provide as-built drawings on back of this form)

1. Type: ☐ Half rounds ☑ Perforated pipe
   Diameter of half round: _____
   or perforated pipe: 4 inch
   Material: ☐ fiberglass ☑ plastic ☐ concrete
   ☐ other _____
2. Lateral lines: Number 4
   Length of each line: 100 ft. 100 ft.
   100 ft. 100 ft., _____ ft.
3. Trench dimensions: Width 24 inches ft.
   Slope 3 to 2 inch in/100 ft.
   Average depth 28 to 31 in
4. Filter material: News paper cover Gravel
   Depth of material 12 in.
5. Distances to: Well or suction line 118 ft.
   Stream _____ ft.
   Pressure line _____ ft.
   Property line 22 ft ft.

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

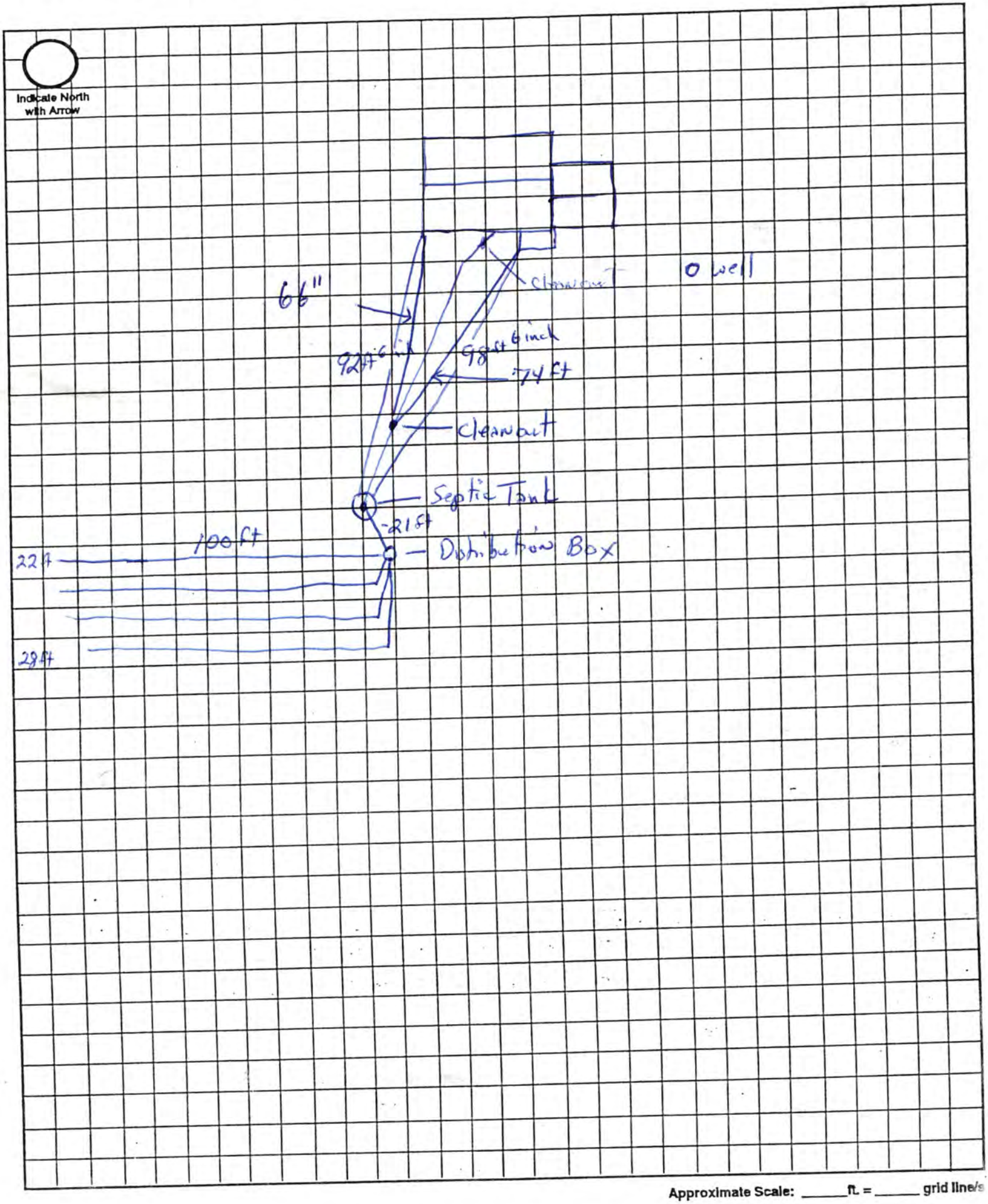
Indicate North with Arrow

Individual Sewage System Design (Example)



FORM 23-103 10-96

As Built Drawing



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

LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT

Legal Description 12-7-10 Location 21801 N. 84th

Owner/Requestor Patrick Tvrdy

WELL/SEWAGE SYSTEM INSPECTION FORM

Based on an inspection this day, the items circled below identify the violations in construction or operation. Some items may not apply. Components that could not be located are indicated as "unknown".

- X New system, initial
- ___ New system, followup
- ___ Existing system, repair
- ___ Existing system, followup
- ___ Loan approval
- ___ Consultation
- ___ Other (Specify)

REMARKS Large plastic tank installed for septic tank. Large barrel used for distribution box.
Needs a cleanout for 75' requirement
Perforated pipe used in lateral field. Pipes need caps at ends

Water System

1. Approved Permit; (Permit not applicable)
2. Sanitary Seal
3. Screened Vent/Conduit Sealed
4. Well Casing Material
5. Well House
6. Distance of Well from
   A. Leach Field
   B. Septic Tank
   C. Sewer Line
   D. Frost-Proof Hydrant
   E. Lagoon
   F. Accumulated Manure
   G. Pit or Depression
7. Pressure Line from Sewage System
8. Other Deficiencies (Specify)

Sewage System X Septic ___ Lagoon

1. Approved Permit; (Permit not applicable)
2. Visible Discharge or Seepage
3. Location from Property Line Building
4. Location from Water System Component
5. Lateral Construction, Length, Drop
6. Septic Tank Size + Installation
7. Distribution box
8. Lagoon Fencing, Warning Signs, Vegetation, Dike Damage, Locked Gate, Water Depth
9. Constructed According to Sizing
10. Septic Tank: Constructed Properly, Maintained
11. Other Deficiencies (Specify)

Inspected by: PD

Date: 5-18-01

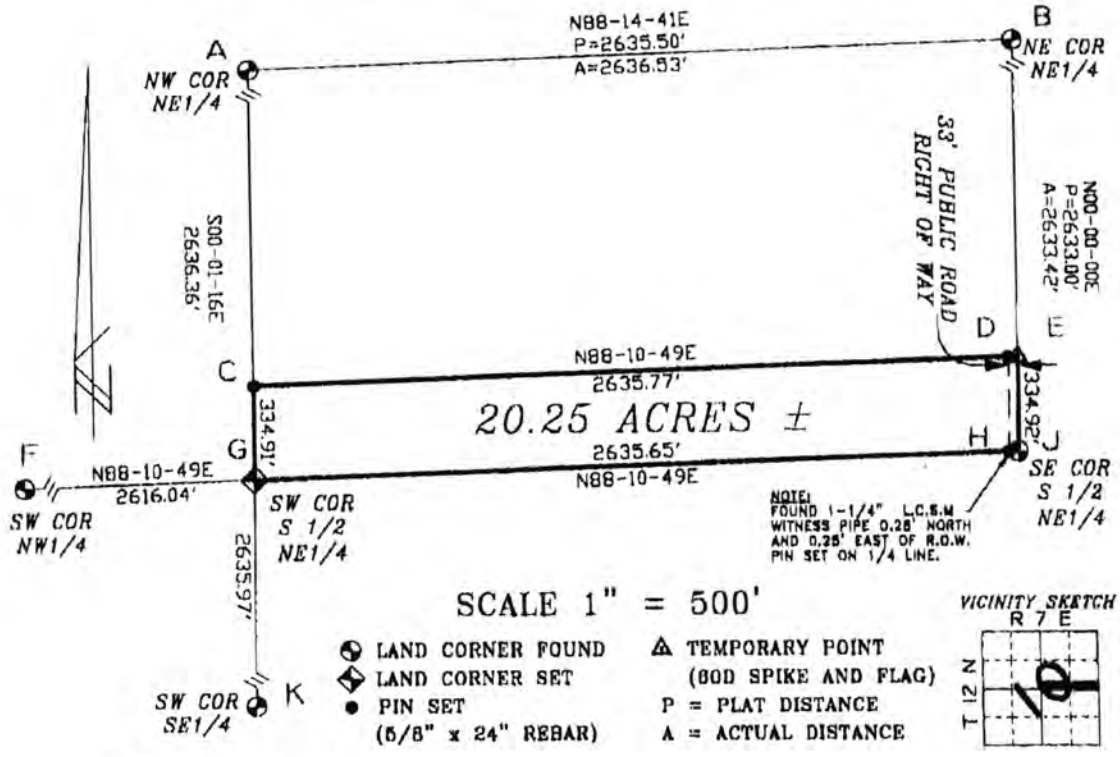
Received by: ___

WA1002


Aguero Rd
Gulch
New onsite sewage treatment
10
11
12
13
14
15
FREE CHURCH CEMETERY
(joins sheet 5)

SURVEY FOR TVRDY

IN SECTION 10, TOWNSHIP 12 NORTH, RANGE 7 EAST OF THE SIXTH PRINCIPAL MERIDIAN, LANCASTER COUNTY, NEBRASKA



LEGAL DESCRIPTION:

THE SOUTH 20.25 ACRES OF THE SOUTH HALF OF THE NORTHEAST QUARTER OF SECTION 10, TOWNSHIP 12 NORTH, RANGE 7 EAST OF THE SIXTH PRINCIPAL MERIDIAN, LANCASTER COUNTY, NEBRASKA.

EXHIBIT "A"

FIELD NOTES:

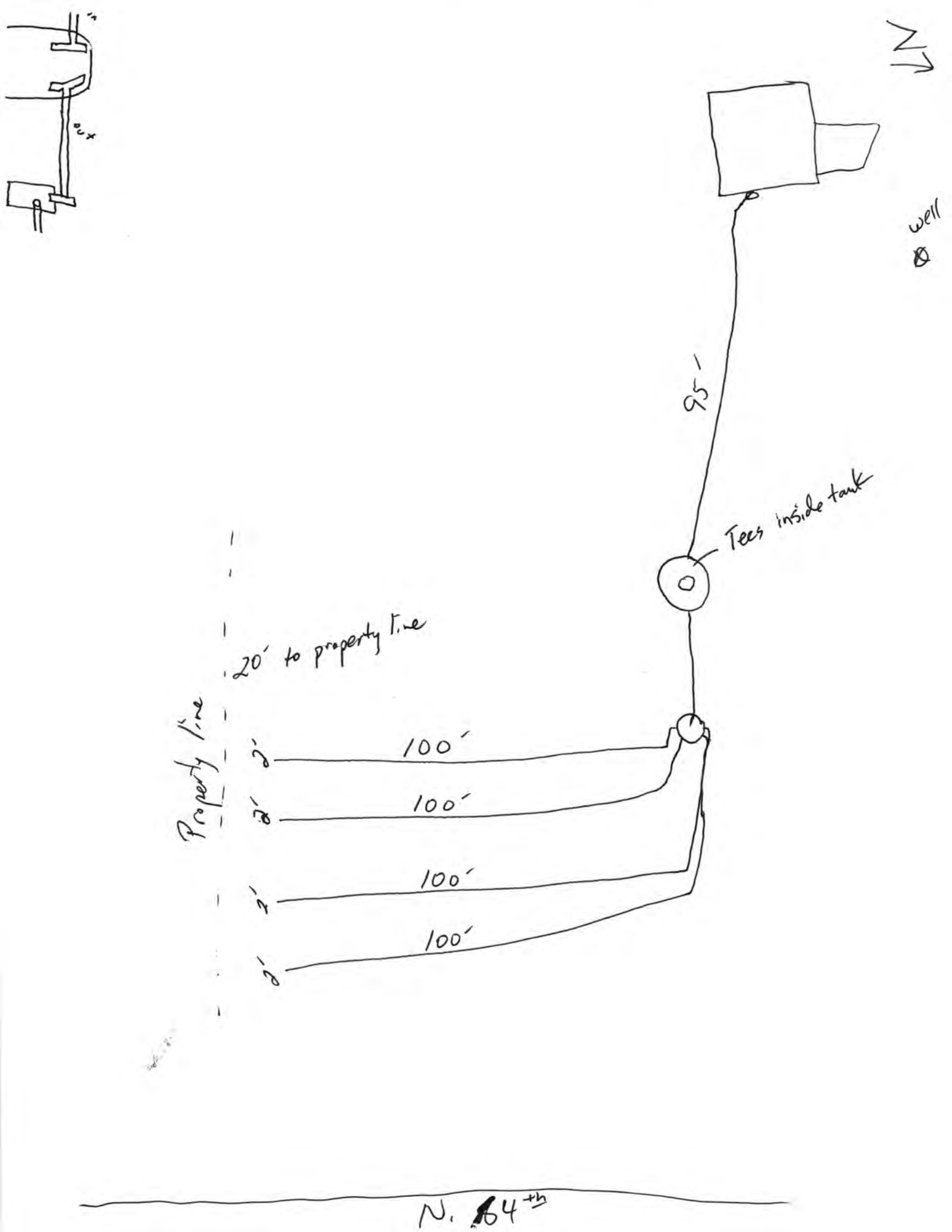
FOUND **A, B, F, J** AND **K**. I SET **G** AT THE INTERSECTION OF LINES **A-K** AND **F-J**. I OCCUPY **J** AND RUN NORTH ON LINE **J-B**, AT 334.92 FEET I SET **E**, AT 2633.42 FEET I INTERSECT **B**; I REOCCUPY **J**, SIGHT LINE **J-E-B**, TURN ANGLE 91-49-11 LEFT AND RUN WESTERLY ON LINE **J-G-F**, AT 33.02 FEET I SET **H** ON THE EAST RIGHT-OF-WAY OF THE PUBLIC ROAD, AT 2635.65 FEET I INTERSECT **G**, AT 5251.69 FEET I INTERSECT **F**; I OCCUPY **G**, SIGHT LINE **G-H-J**, TURN ANGLE 88-12-05 LEFT AND RUN NORTHERLY ON LINE **G-A**, AT 334.91 FEET I SET **C**, AT 2636.36 FEET I INTERSECT **A**; I OCCUPY **C**, TURN ANGLE 91-49-11 LEFT AND RUN EASTERLY ON LINE **C-E**, AT 2602.75 FEET I SET **D** ON THE WEST RIGHT-OF-WAY OF THE PUBLIC ROAD, AT 2635.77 FEET I INTERSECT **E**. ALL BEARINGS SHOWN ON THE PLAT ARE ASSUMED AND WERE USED FOR DESCRIPTIVE PURPOSES ONLY, THEY SHOULD NOT BE RELIED ON TO DETERMINE CARDINAL DIRECTIONS. ALL ANGLES AND DISTANCES WERE MEASURED WITH A NIKON MODEL DTM-520 TOTAL STATION AND/OR A 200-FOOT SOKKIA NYCLAD TAPE.

SIGNED THIS 24TH DAY OF FEBRUARY 2000

Louis L. Austin

LOUIS L. AUSTIN L.S. 309

AUSTIN SURVEYING
1145 N. LINDEN
WAHOO NE 68066


aux
N
well
95'
Tees inside tank
20' to property line
Property line
2'
100'
2'
100'
2'
100'
2'
100'
N. 64th