LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT

3140 "N" STREET
NON TRANSFERABLE

ENVIRONMENTAL HEALTH DIVISION
Lincoln, NE 68510-1514

(402) 441-8000

PERMIT

Permit No. 98380175701

SEWAGE INSTALLATION
SEPTIC SYSTEM

Issued 05/13/98
Expires 11/13/98
Revenue Code 3157

Establishment

ALAN & PATTY KETTELHUT
T12N R7E SEC 6 QTR SW
SW OF SW QTR LOT 9IT
22900 N 27 ST

FEES: $150.00

PAID

TOTAL $150.00

Permittee

ALAN & PATTY KETTELHUT
6028 BALLARD AVE
LINCOLN NE 68507

Issued By Health Director
Lincoln-Lancaster County Health Department

007355

THIS LICENSE OR PERMIT IS ISSUED SUBJECT TO REVOCATION AS PROVIDED BY LAW "POST IN A PROMINENT PLACE"

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

A

Permit Number:

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 22900 N 27th (no rural route) City LINCOLN NE, Zip

Legal Description SW SW 6 12N 7E 9 I.L.
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 Alan + Patty Kettelhut Signature

Address 6028 Ballard Ave City/State/Zip Lincoln NE 68507 Crescent, NE 68017

☐ Check if owner designed system Home Phone 465-8762 Work Phone Alan 464-4444

C. Contractor

Name JOEL CACEK Company Name GREEN FURNACE & PLUMBING CO., INC. 402-285-2290

Address 2747 N 48th St. City/State/Zip LINCOLN, NE 68504

☒ Check if contractor designed system Work Phone 467 4444

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 5 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 5/5/98 Date frwd 5/13/98 ACTION ☒ Approved ☐ Disapproved Signature Jerrold C. Hood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 5/13/98 Date frwd 5/13/98 ACTION ☒ Approved ☐ Disapproved Signature
3. **City or County Engineer** Date rec'd 5/13/98 Date frwd 5/13/98 ACTION ☒ Approved ☐ Disapproved Signature

11-30-98 rm need list Box + road gravel, not tank yet.
12-28-98 rm, OK, need drawing ok

Installation Final Written Approval

By Ron Magnuson

Date 2-12-99

Business Office Use Only

Date Rec'd 05/06/98
Amt Paid 150.00
Rec'd By Cash/Check No. 018909

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 N27 + Lith Salt Rd (1/4 N of E. side) City Ceresco NE, Zip Ne 68017
(no rural route) TN 12 RE 7 Sec 6

Owner Alan Kettelhut Addresss 6028 Ballard Lincoln Ne 68507

Soil Type (SCS): Sharpsburg Silty Clay Loam Percolation Rate: 25.57 min./inch

Date of Tests 7/31/97 to 8/1/97 Weather: Precipitation trace-late 7/31/97 Temperature 75-80 during tests

Percolation Test Data Table

A.	B.	C.	D.	E.	F.	G.	H.	I.	J.	K.	L.	M.	N.
		Pre-Saturation Period				Percolation Readings					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	36"	7/31	1810	8/1	2210	8/1	1810 2140	6"	8/1	2210	30	1"	30
2	36"	7/31	1810	8/1	2210	8/1	1812 2142	6"	8/1	2212	30	1 1/8"	26.67
3	36"	7/31	1810	8/1	2210	8/1	1814 2144	6"	8/1	2214	30	1 5/8"	18.46
4	36"	7/31	1812	8/1	2212	8/1	1816 2146	6"	8/1	2216	30	1 1/2"	20
5	36"	7/31	1812	8/1	2212	8/1	1818 2148	6"	8/1	2218	30	7/8"	34.29
6	36"	7/31	1812	8/1	2212	8/1	1820 2150	6"	8/1	2220	30	1 1/4"	24
								start of 30		minute			
										test	readings		

Sum of Percolation Rates: 153.42
Average of Rates: 25.57
Rate Used for Calculation: 26

Person Conducting Percolation Tests

Name: Alan & Patty Kettelhut
Phone: 464-4444 or 465-8762
Address 6028 Ballard
Lincoln Ne 68507

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks

Signature of Reviewing Official Jerrold C. Hood R.E.H.S. Date MAY 13, 1998

FORM 23-101 10-96

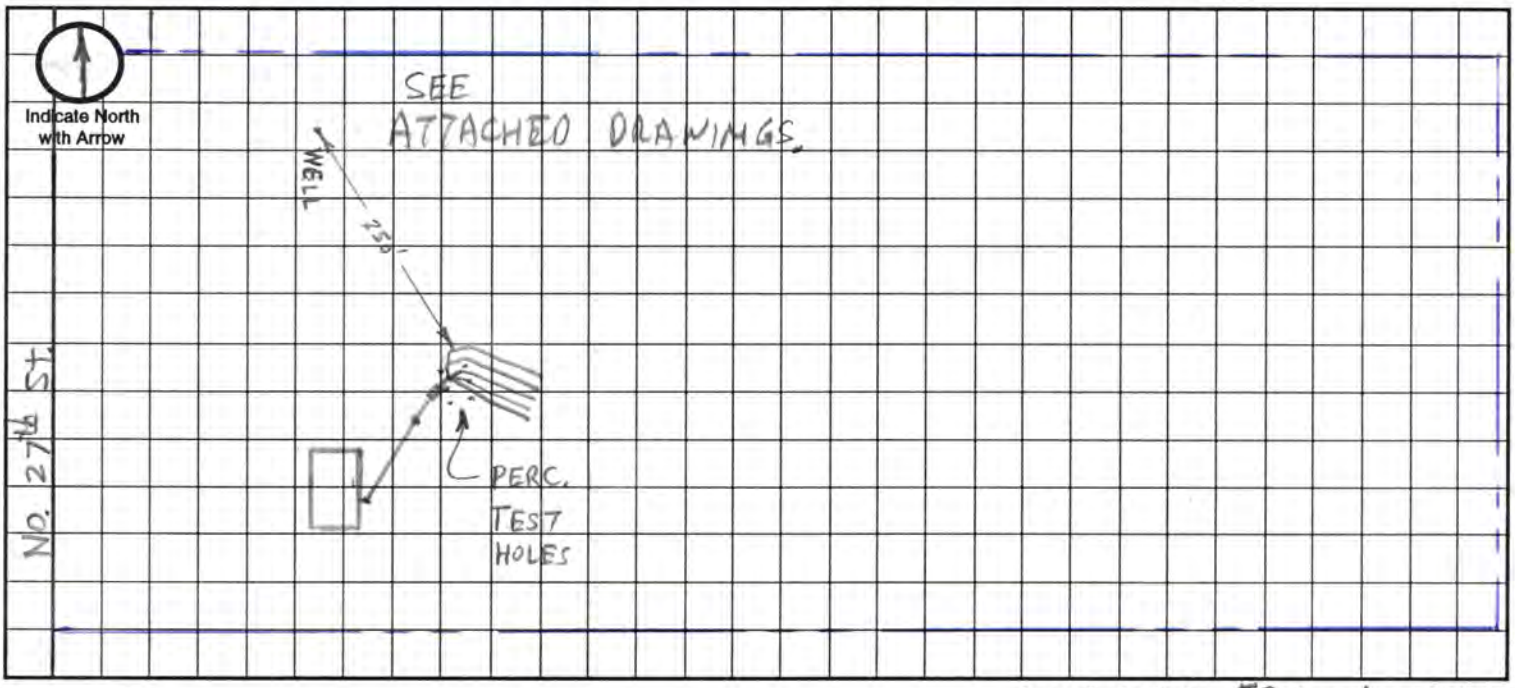
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

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: 50 ft. = 1 grid line/s (200' = 1")

A. System Location (Indicate correct number and street)

Address (no rural route) 22900 N 27th City LINCOLN NE, Zip NE

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ Plastic ☐ Other 1500 GALLON TANK

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

Percolation Rate 26 (min. per inch) Soil Type: SHARPSBURG SILTY CLAY LOAM Land Slope: 5 %

Type of Absorption System: ☑ Trench ☐ Bed ☐ Other

Total Square Feet of Field Required: 1250 sq. ft.

4 bdrm 3' = 311 / 78 / 3894

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

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

Total Length of Laterals 400 ft. Number of Trenches 5 Trench Width 3

4 bdrm 4' = 234 / 59 / 2924

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 5/5/98

Installer GREEN FURNACE & PLUMBING CO., INC. by Joel Couch Date 5/5/98
2747 North 48 Street, P.O. Box 4556
LINCOLN, NE 68504

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: 98380175701

Sewage Disposal System

As Built Plans & Specifications

Date 2/1/99

System Location (Indicate correct number and street)

Address 22900 N. 27th St (no rural route) City LINCOLN NE, Zip NE

A. Building Sewer

1. Material: PVC
   Diameter: 4" in.
2. Distance above basement floor: ____ in.
   or distance below basement floor: 18" in.
3. Distance between dwelling and septic tank: 98 ft.
4. Number of clean-outs: 2
5. Distances to: well or suction line 295 ft.
   stream 1/8 mile ft.
   pressure line 36 ft.
   North property line 409 ft.

B. Septic Tank

1. Material: Concrete
   Number of compartments: 1
2. Capacity: 1800 gal.
3. Factory built: ☐ Yes ☑ No
4. Manholes: Over inlet, diameter 8 in.
   Over outlet, diameter 8 in.
   Riser: ☐ above ☑ below grade 26 in.
5. Inlet: ☐ baffle ☑ tee
6. Outlet: ☐ baffle ☑ tee
7. Depth to top of tank, below unfinished grade: 30 in.
8. Distances to: Well or suction line 292 ft.
   Stream 1/8 mile ft.
   Pressure line 51 ft.
   Property line 406 ft.

C. Distribution Box

1. Material: Concrete
   Number available outlets: 5
2. Factory built: ☐ Yes ☑ No
3. Distance from septic tank: 13 ft.

D. Absorption Field

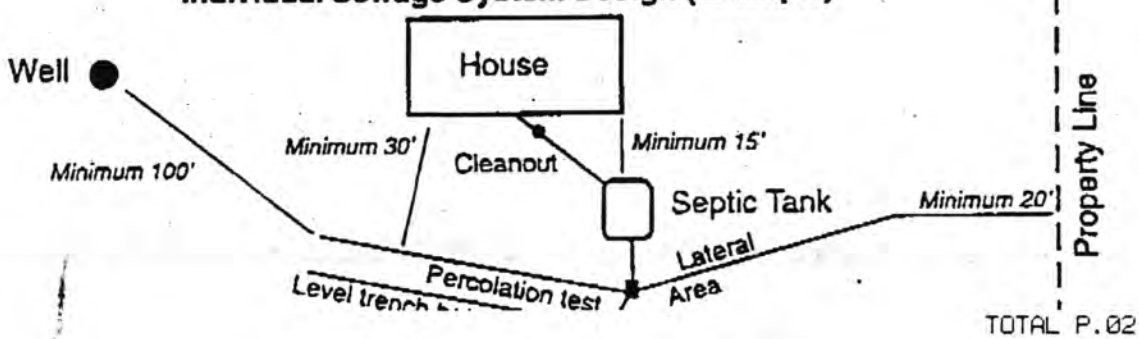
(Provide as-built drawings on back of this form)

1. Type: ☐ Half rounds ☑ Perforated pipe
   Diameter of half round: ____
   or perforated pipe: 4"
   Material: ☐ fiberglass ☑ plastic ☐ concrete
   ☐ other ____
2. Lateral lines: Number 5
   Length of each line: 80 ft. 80 ft.
   80 ft. 80 ft., 80 ft.
3. Trench dimensions: Width 3 ft.
   Slope 12 in/100 ft.
   Average depth 18 in
4. Filter material: ROAD GRAVEL
   Depth of material 12 in.
5. Distances to: Well or suction line 246 ft.
   Stream 1/8 MILE ft.
   Pressure line 57 ft.
   Property line 296 ft.

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

Indicate North with Arrow

Individual Sewage System Design (Example)



NO. 27TH STREET

618.50'

618.50'

FURNACE & PLUMBING CO., INC.
North 48 Street, P.O. Box 4236
LINCOLN, NE 68504

PARCEL #2
21.48 ACRES
(LESS 2A 00.12)

PARCEL #3
21.48 ACRES

1512.01

1870.85'

Lot 7

Alan Kettelhut



1471.00'

758.59'

777.89'

PARCEL #1
26.15 ACRES
(25.56 AC. NET)

770.88'

41.15'

1470.85'

Lot 9

WELL

250'

100'

PARCEL #2
21.46 ACRES
(21.00 AC. NET)

618.50'

618.50'

NO. 27TH STREET

PARCEL #5
42.49 ACRES
(42.00 AC. NET)

2655.51'

~~1612.01'~~
1512.01

618.50'

PARCEL #3
21.46 ACRES
(21.00 AC. NET)

618.50'

1888.61'

SCALE: 1" = 300'

1512.01'

661.51'

PARCEL #4
22.61 ACRES
(21.00 AC. NET)

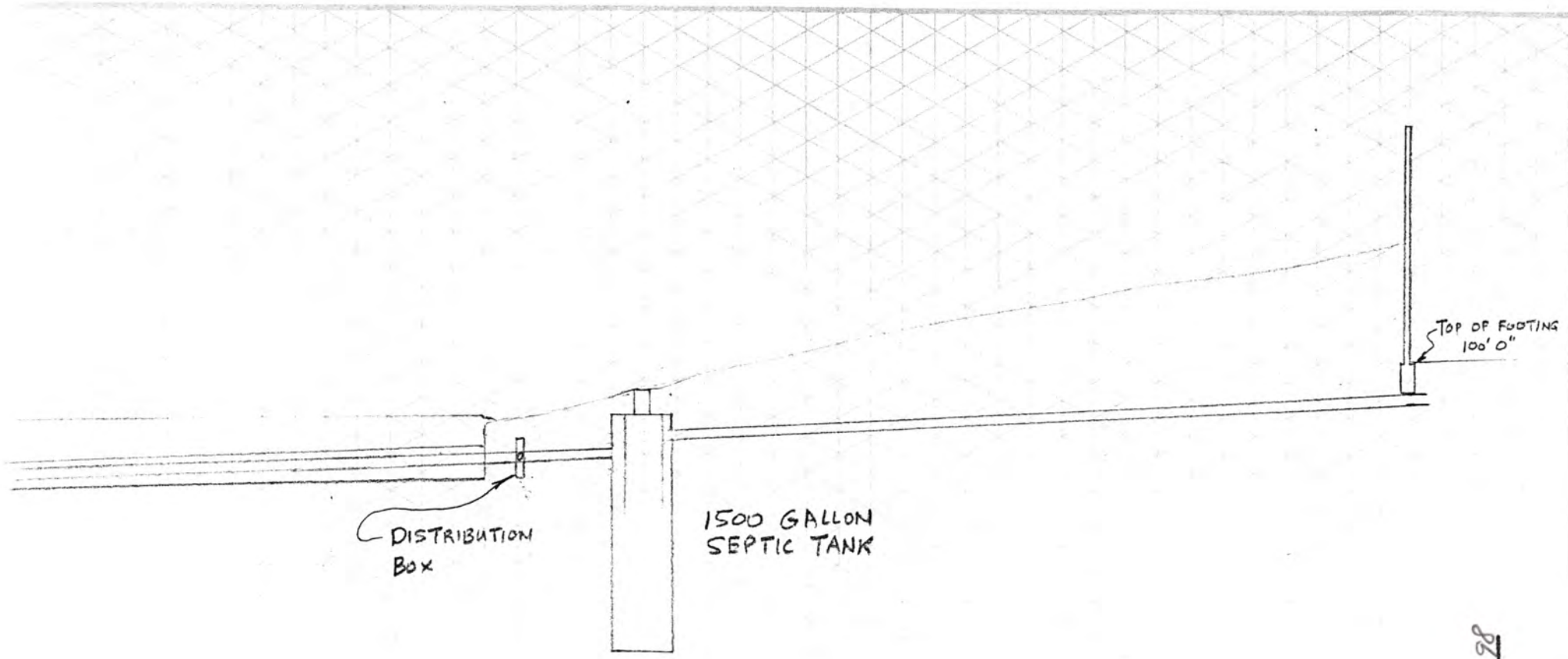
651.51'

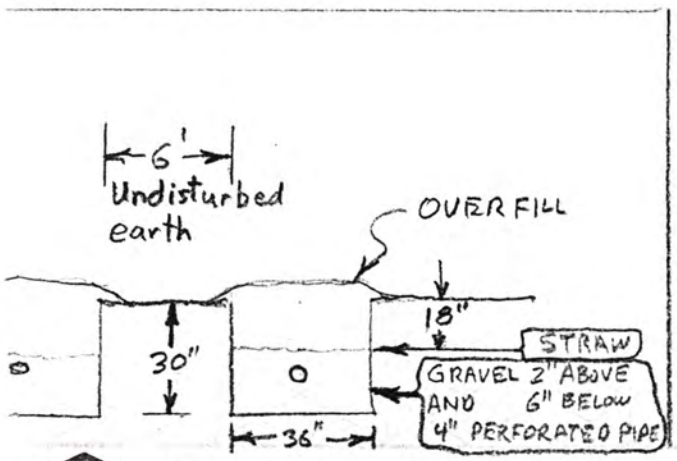
1512.01'

661.95'

LITTLE SALT ROAD

GREEN FURNACE & PLUMBING CO., INC.
2747 North 48 Street, P.O. Box 4555
LINCOLN, NE 68504





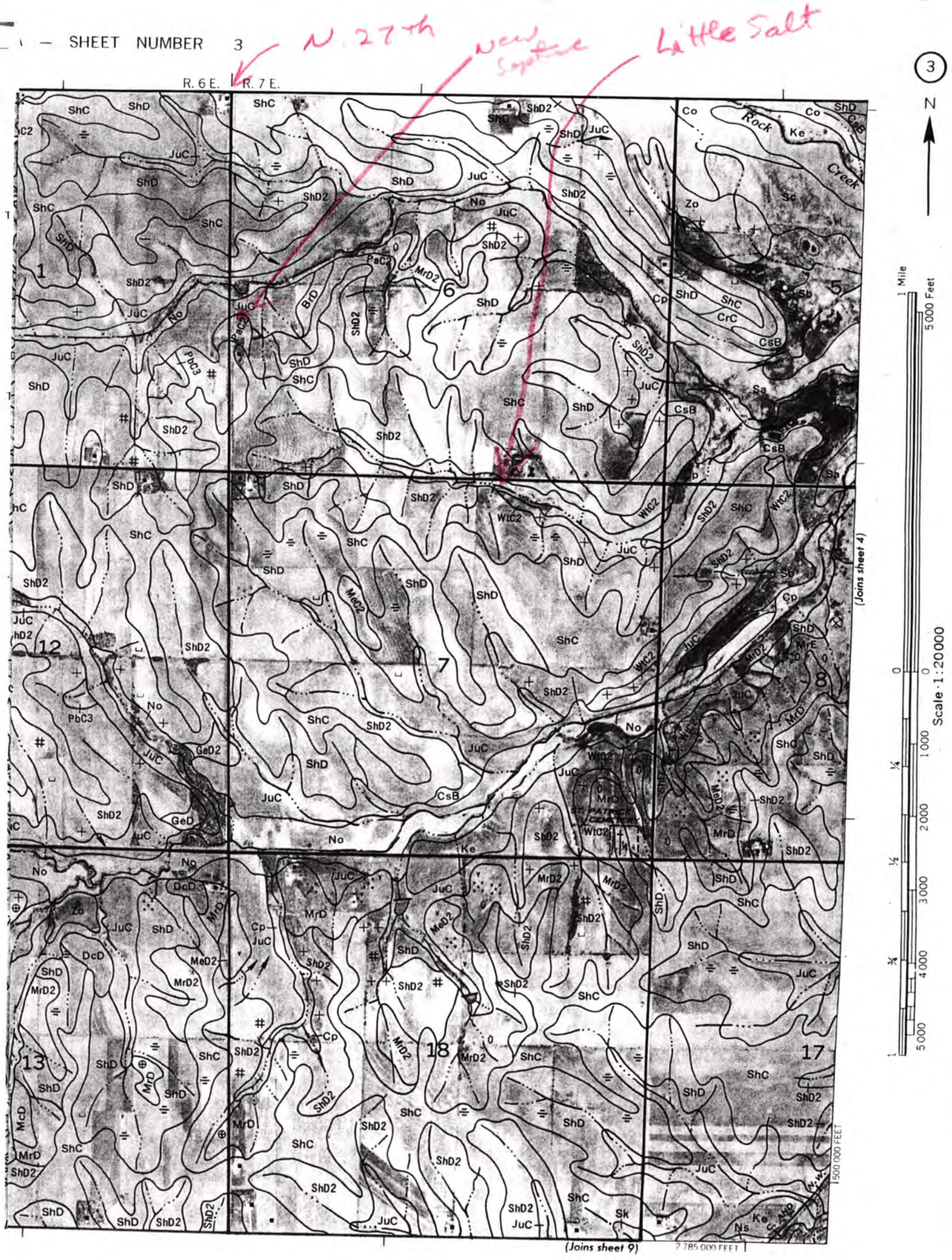
KETTELHUT RES. PROFILE
22900 N 27th St.

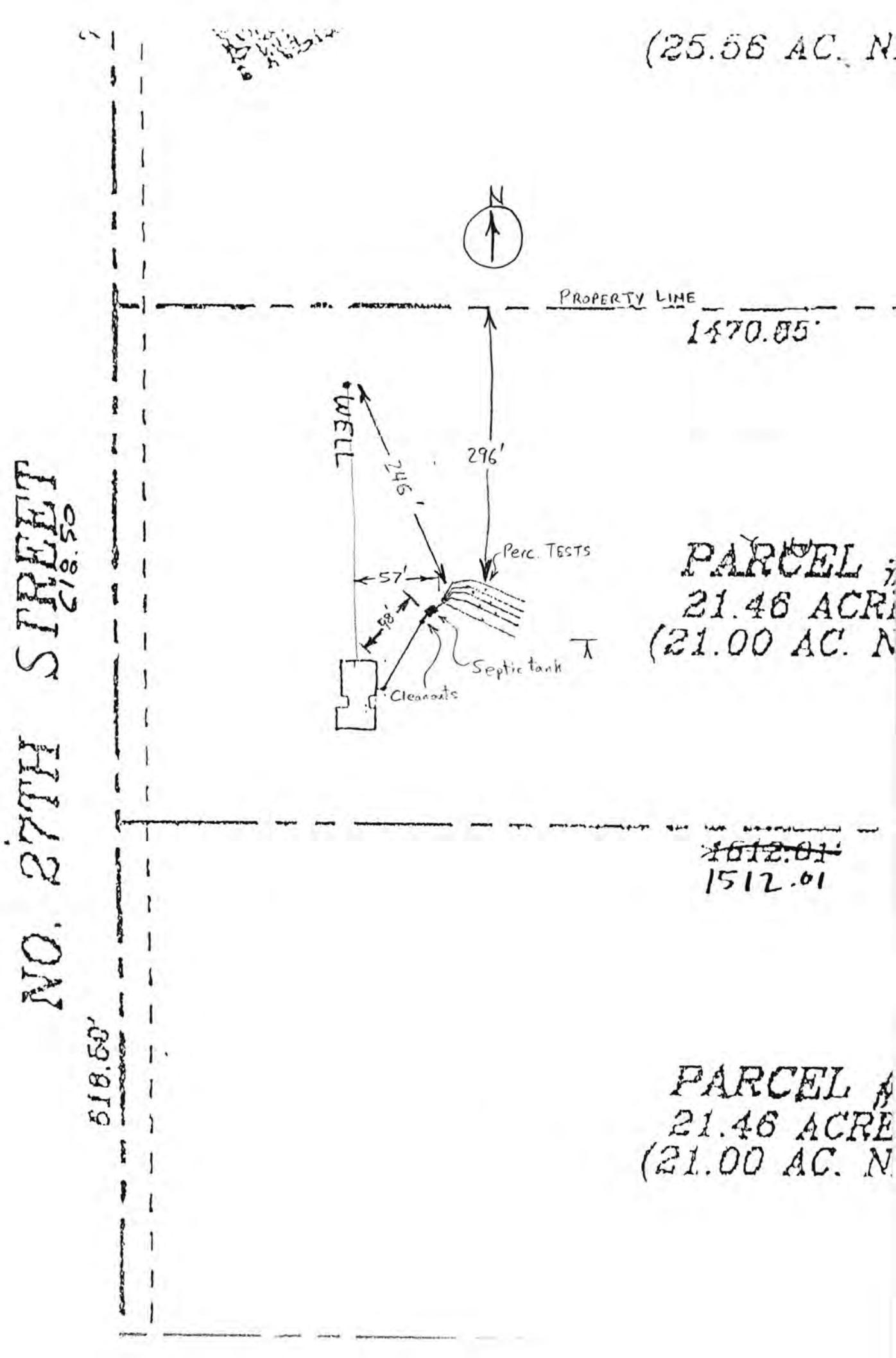
GREEN FURNACE & PLUMBING CO., INC.
2747 North 48 Street, P.O. Box 4556
LINCOLN, NE 68504

VERTICAL SCALE 1" = 5'
HORIZONTAL SCALE 1" = 20'

©opyrighted material: 5/5/88
Green Furnace & Plumbing Co., Inc.
JC.

ALVIN No. 1242 81/2" x 11" 35°16' ISOMETRIC


SHEET NUMBER 3
N. 27th
New Septic
Little Salt
R. 6 E.
R. 7 E.
3
N
Rock Creek
1 Mile
5000 Feet
Scale · 1 : 20000
(Joins sheet 4)
(Joins sheet 9)
500 000 FEET
2 785 000 FEET
ST PATRICK CEMETERY


(25.56 AC. N
N
PROPERTY LINE
1470.85'
WELL
246'
296'
Perc. TESTS
57'
98'
Septic tank
Cleanouts
PARCEL
21.46 ACR
(21.00 AC. N
1612.01
1512.01
NO. 27TH STREET
618.60'
PARCEL
21.46 ACRE
(21.00 AC. N

OCT 13 1998

Sample 10-14-98
well OK

Bac. – 0
NO_3 – 1.5
called results to
owner on 10-28-98

APPLICATION FOR WELL REGISTRATION AND SAMPLING

DATE: 10-8-98

Legal Description of Property W½ of SW¼ S6 T12N R7E LCN

22900 N 27th Directions to Property Hwy 77 north, Left on Agnew to 40th Rt on 40th to Little Salt Rd Left on Little Salt to 27th Rt on 24th

Land Owners Name: Alan + Patty Kettelhut

Address: 6028 Ballard Ave Lincoln 68507

Phone: 465-8762

Send Results to: 22900 N. 27th
Name: Landowners
Address:
Phone:

Land Owners Signature Patty K. Kettelhut

I hereby authorize the Health Department to inspect, sample, and register the well on the above property.

Well Data: Please fill in the following information as thoroughly as possible. Leave blank any areas that are unknown.

Approximate Depth of well	66ft
Casing Material	PVC
Casing Diameter	4.046
Is well located in a pit	NO
Type of pump	Brass/stainless steel

POINT SOURCES - DISTANCE WITHIN 1/2 MILE OF WELL FROM: UPHILL/DOWNHILL FROM WELL

HOUSE FOUNDATION	300 (distance)	FEET	(U)/D
CESSPOOL	none	FEET	U/D
SEPTIC TANK	none	FEET	U/D
SEWAGE DISTRIBUTION FIELD	none	FEET	U/D
WASTE STABILIZATION LAGOON	none	FEET	U/D
BARN YARD	none	FEET	U/D
NEAREST WELL	300	FEET	(U)/D
NEAREST PASTURELAND	N/A	FEET	U/D
NEAREST CROPLAND well is in crop land →		FEET	U/D
SHOP	none	FEET	U/D
GRAINERY	none	FEET	U/D
FUEL TANKS	none	FEET	U/D
OTHER POTENTIAL CONTAMINATION SOURCE	NA	FEET	WHAT?

ADM.0002/34

FEE $15.00 #1768

WOULD LIKE FLOORIDE ALSO 10/15/98