Lincoln-Lancaster County Health Department

ENVIRONMENTAL HEALTH DIVISION

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

Permit

SEWAGE INSTALLATION
LAGOON

Permit # 01380241101

Issued 12/13/01
Expires 06/13/02
Revenue Code 3157

Establishment

DONALD & JUDITH EDWARDS
T11N R8E SEC 13 QTR SW
SW CORNER OF N 1/2 LOT 18
10900 N 176 ST-WAVERLY

FEES: $200.00

Permittee

DONALD & JUDITH EDWARDS
11420 WENZEL DR
LINCOLN NE 68527

TOTAL: $200.00

Bruce D. Dart

Bruce D. Dart, Health Director

• POST IN A PROMINENT PLACE • NOT TRANSFERABLE

000339

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

RECEIVED
DEC 11 2001

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 10900 N. 176th St. (no rural route) City Waverly NE, Zip 68462

Legal Description SW corner N½SW¼ 3 11N 8E 18
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 Donald M. & Judith Lee Edwards Signature Donald M Edwards Judith Lee Edwards

Address 11420 Wengel Drive City/State/Zip Lincoln, NE 68527

☐ Check if owner designed system Home Phone 402-489-7395 Work Phone _____

C. Contractor

Name Michael Dietze Company Name Waverly Plumbing & Well Co.

Address PO Box 116 - 14150 Lancaster City/State/Zip Waverly NE 68462

☐ Check if contractor designed system Work Phone 402 786 5620

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

Designer Name Michael Dietze Firm Waverly Plumbing Work Phone 402-786-5620 560-2923

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 12-11-01 Date frwd 12-11-01 **ACTION** ☒ Approved ☐ Disapproved Signature Ron Mayhew
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 _____

12-14-01, run all property in 100yr floodplain

Installation Final Written Approval (Variance)

By Ron Mayhew

Date 5-30-02

Business Office Use Only
Date Rec'd 12/13/01
Amt Paid 200.00
Rec'd By _____ Cash/Check No. 2663

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

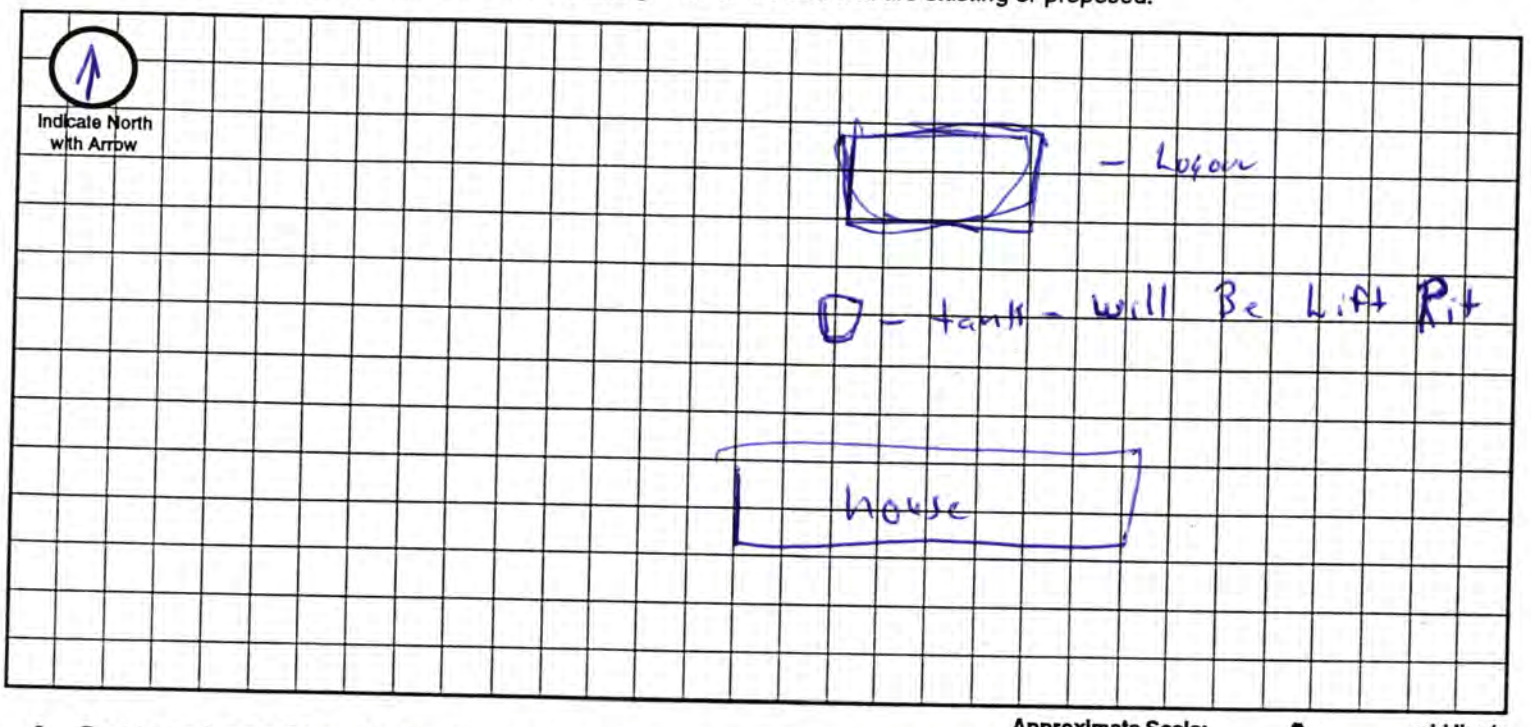
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

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: _____ ft. = _____ grid line/s

A. System Location (Indicate correct number and street)

Address (no rural route) 10900 N 17th City Waverly NE, Zip 68462

B. Proposed Septic Tank/s

Tank Material: ☐ Concrete ☐ Plastic ☐ Other Lagoon

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

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

Type of Absorption System: ☐ Trench ☐ Bed ☒ Other Lagoon must be sealed No more than 1/8" per day

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

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

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

Total Length of Laterals _____ ft. Number of Trenches _____ Trench Width _____

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

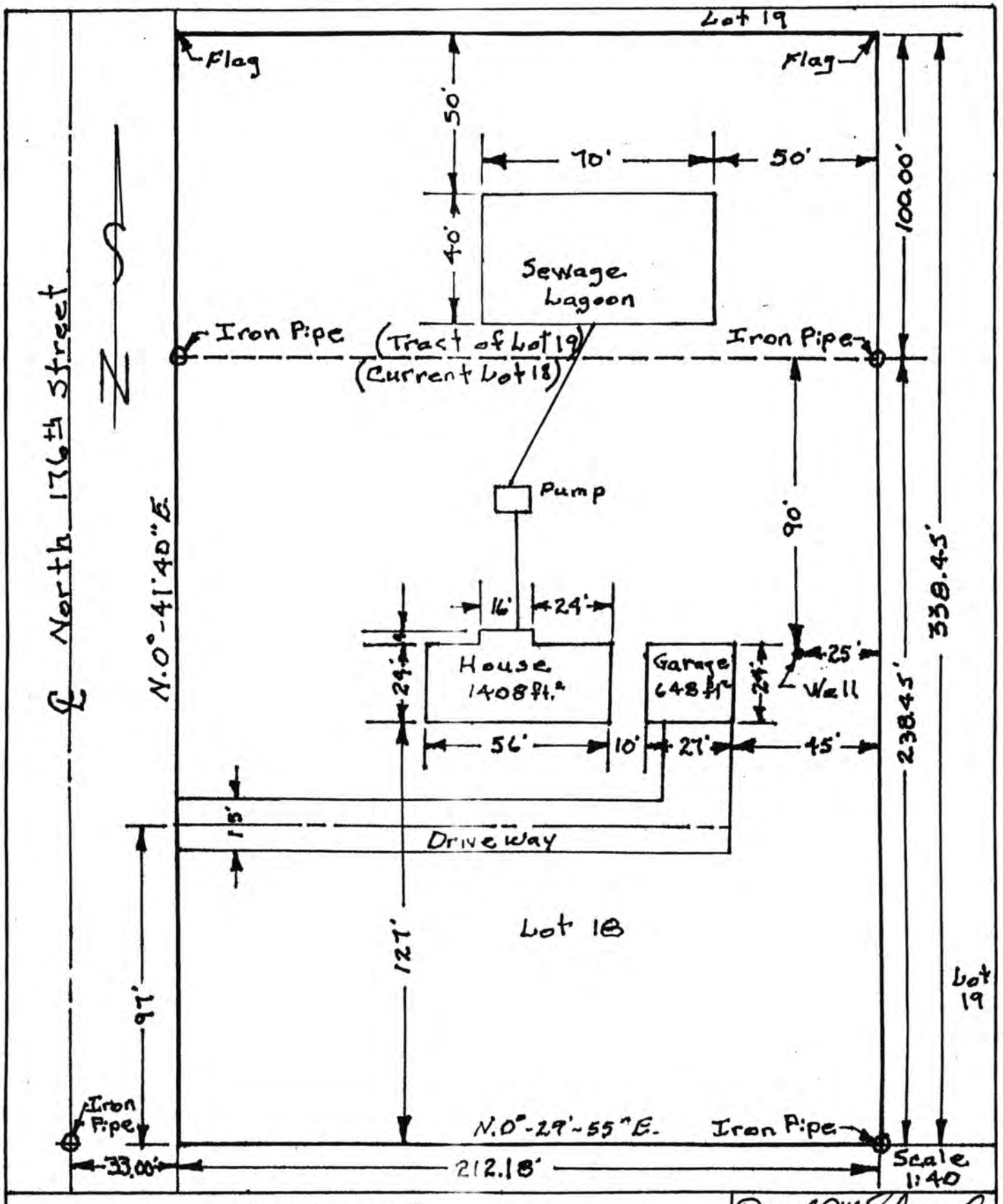
Distance From	Private Well	Public Well	Surface Water	Gound Water	Pressure Water Lines	Property Lines	Foundations Yours	Foundations Neighbors	All Other Setbacks
Tank (ft)	50 ☐	500 ☐	50 ☐	NA ☐	25 ☐	20 ☐	15 ☐	25 ☐	☐
Field (ft)	100 ☐	500 ☐	50 ☐	4 ☐	30 ☐	20 ☐	30 ☐	40 ☐	☐
Lagoon (ft)	100 ☒	500 ☒	50 ☒	N/A ☒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

E. Required Signatures

Home Building Contractor _____ Date _____

Installer Michael P Pretty Date 12-11-01

FORM 23-102 10-96



PLAT MAP

Lot 18: Irregular tract in SW corner of N½ SW¼
Lot 19: N½ SW¼ minus Lot 18
Sec. 13, Twp. 11 N, R. 8E of the 6th P.M.
Lancaster Co., Nebraska

Donald M. Edwards
Donald M. Edwards
11420 Wengel Dr,
Lincoln, NE 68527
December 3, 2001

FEB 2 5 2002

To: Steve Goans
DEQ
1200 N Street
Suite 400
P.O. Box 98922
Lincoln, Nebraska 68509-89220

From: Donald M. Edwards, P.E.
11420 Wenzel Drive
Lincoln, Nebraska 68527
Telephone: 402-489-7395
Email: dedwards1@unl.edu

Date: February 1, 2002

Re: Request for Construction Permit for Placement of a Lagoon Sewage System on an Acreage at 10900 North 176th Street, Waverly, Nebraska 68462.

The attached letter dated December 28,2001 was sent to Director Mike Linder requesting a Variance for Placement of a Lagoon Sewage System on an Acreage. The letter describes the reason for the request.

As stated in the letter, one of the requirements to have a lagoon sewage system on an acreage is for the acreage to have a minimum of 3 acres. The acreage of the current Lot 18 and the newly acquired land from Lot 19 is 1.91 acres. This tract of land shall be referred to as the new Lot 18. The new Lot 19 shall be referred to as the current Lot 19 minus the land that is being acquired by the owners of Lot 18.

To assure that the new Lot 18 meets the 3-acre requirement, the owners of the new Lot 18 and the new Lot 19 enter into an easement agreement. The agreement is that no developments of buildings, parks or other related facilities shall be built within 75.00 feet on the North and East sides of the new Lot 18. The 1.91 acres of the new Lot 18 and 1.15 acres within the land easement of Lot 19 total 3.04 acres. Land within the area of the easement shall continue to be the property of the owners of Lot 19, and shall be farmed by the owners of Lot 19. The area and location of the easement are shown on the attached Plat Map dated January 31, 2002. The new Lot 18 and the new Lot 19 were surveyed by Lyle Loth, L.S. 314 of the State of Nebraska. The distances and boundaries on the attached January 31, 2002 Plat Map were taken from the December 4, 2001 Property Map prepared by Lyle Loth.

The following property owners agree to the above stated land easement. The land easement shall remain in effect regardless of future land owners of Lot 18 and Lot 19.

Donald M. Edwards 2-21-02
Donald M. Edwards Date
Co-Owner Lot 18

Norman R. Swanson 02-19-02
Norman R. Swanson Date
Co-Owner Lot 19

Judith Lee Edwards 2-21-02
Judith Lee Edwards Date
Co-Owner Lot 18

Virginia F. Swanson 2-19-02
Virginia F. Swanson Date
Co-Owner Lot 19

I hereby certify that the area of the new Lot 18 plus the area of the adjoining land in the easement agreement from the new Lot 19 exceeds the 3.00 acre requirement, and; therefore, request that a Construction Permit be granted for the construction of a sewage lagoon on the new Lot 18.

Donald M. Edwards, P.E. 2-21-02
Donald M. Edwards, P.E. Date
Engineering License Number E-3188, State of Nebraska

cc: Mr Ron Marquart, Environmental Health Division, Lincoln-Lancaster County Health Department

Attachments: 1) Copy of December 28, 2001 letter to DEQ Director Mike Linder.
2) Plat Map dated January 31, 2002.

11420 Wenzel Drive
Lincoln, Nebraska 68527
402-489-7395

December 12, 2001

To: Lincoln -Lancaster County Planning Commission

Re: Combine two tracts of land and establish a new Lot.

Donald M. and Judith Lee Edwards (Buyers), 11420 Wenzel Drive, Lincoln, Nebraska 68527, phone 402-489-7395, have entered into a Purchase Agreement with Norman R. and Virginia Faye Swanson(Sellers), 9300 North 190 Street, Waverly, Nebraska 68462, phone 402-786-5608 for the purchase of a tract of land in Lancaster County, Nebraska. The description of the property is an irregular tract of Lot 19 that is 100.00 feet North -South and 212.18 feet East-West along and of common border with the North side of Lot 18. Lot 18 is an irregular tract in the Southwest Quarter of Section 13, Township 11 North, Range 8 East of the 6th P.M., Lancaster County, Nebraska. A Land Survey and a Plat Map of the tracts are attached.

Donald M. and Judith Lee Edwards are owners of Lot 18. Lot 18 was fully developed in 1975 with a 1408 square foot (plus full basement) house, 648 square foot garage, well, sewer system, electric utilities, and driveway off of North 170th Street.

No building(s) will be built on the new purchased tract of land.

The current sewer system for Lot 18 is failing in operation. The Lincoln Lancaster County Health Department has required and given approval for a lagoon to be installed to make the current sewer system functional. Per prescribed location dimensions, Lot 18 does not have sufficient space to locate a lagoon. The Waverly Plumbing and Well Co. is scheduled to install the lagoon system. The purpose of the purchase of a tract of land from Lot 19 and the establishment of a new Lot 18 is to provide sufficient space for the placement of a lagoon. The purchase of the tract of land from Lot 19 will also make Lot 18 more liveable and useable as a rural acreage.

REQUESTED ACTION: The Buyers and Sellers request that the above described tract of land of Lot 19 be combined with the current Lot 18 and a new Lot 18 be established that consist of the two combined tracts.

Thank you.

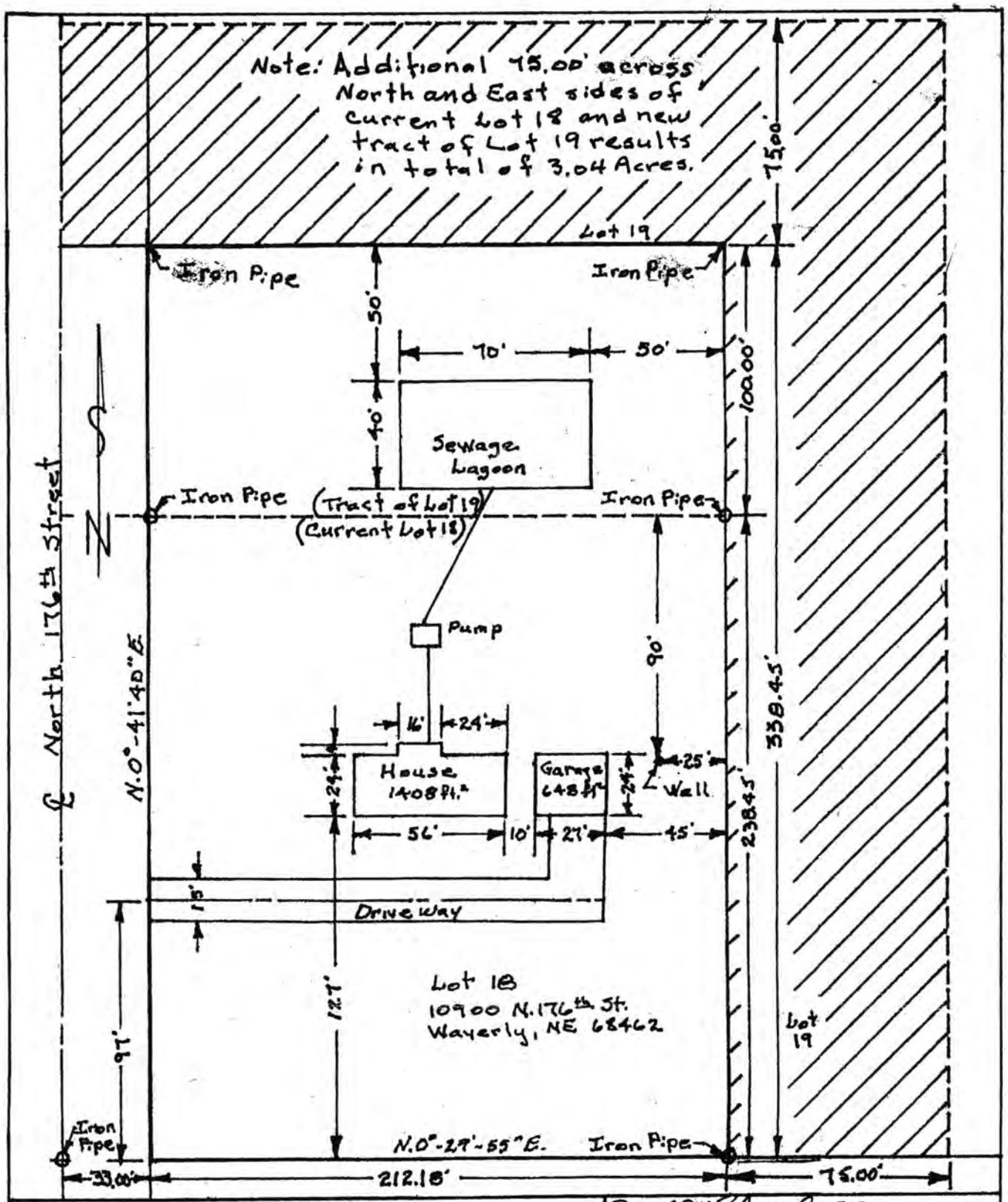
Donald M. Edwards & Judith Lee Edwards

Buyers: Donald M.. and Judith Lee Edwards

cc: Sellers: Virginia Faye and Norman R. Swanson

Attachments: 1. Application for Administrative Subdivision-Lancaster County Jurisdiction
2. Land Survey
3. Plat Map

DEC 12 2001
LINCOLN CITY/LANCASTER COUNTY
PLANNING DEPARTMENT



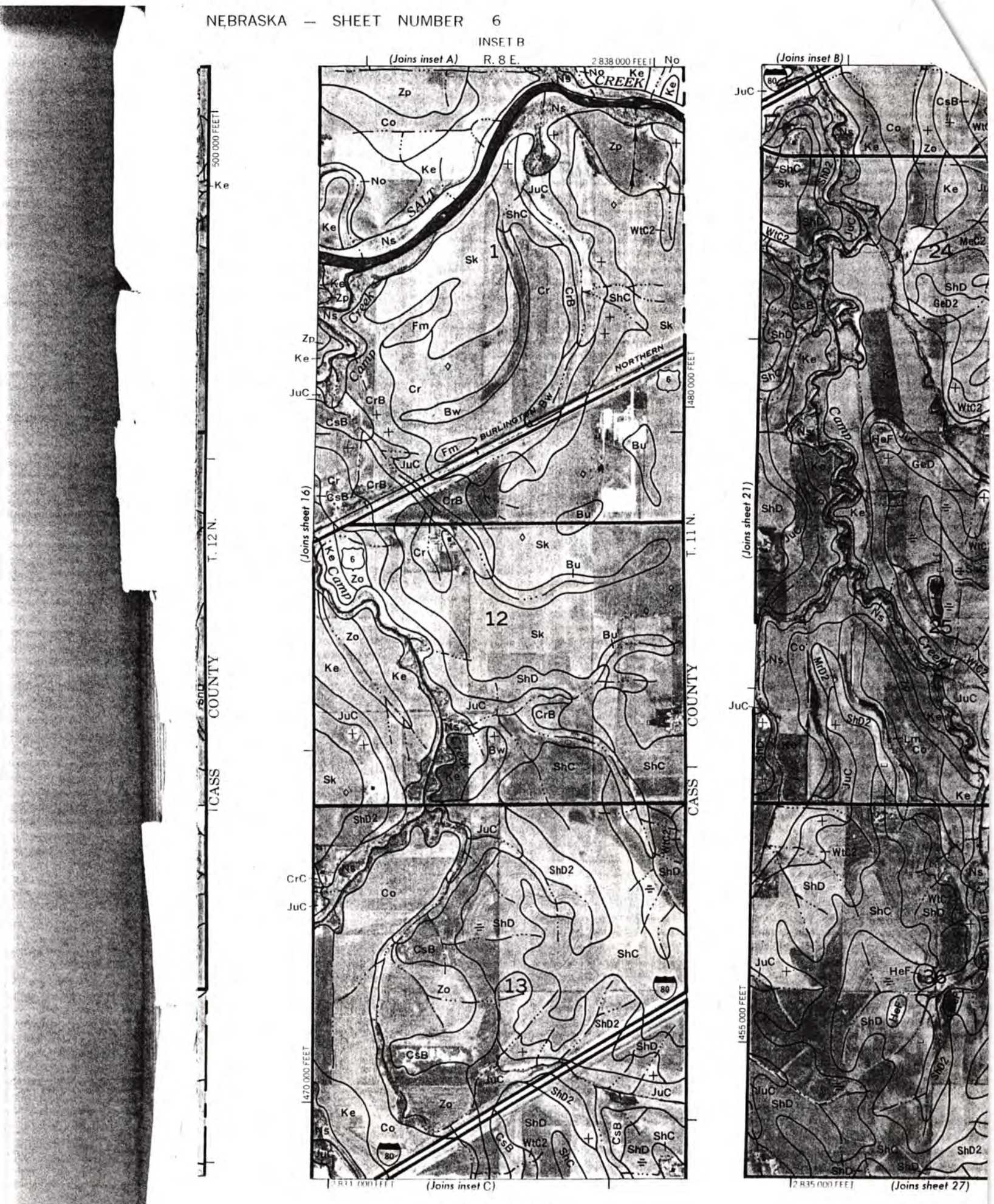
PLAT MAP

Lot 18: Irregular tract in SW corner of N½ SW¼
Lot 19: N½ SW¼ minus Lot 18
Sec. 13, Twp. 11 N, R. 8 E of the 6th P.M.
Lancaster Co., Nebraska

Donald M. Edwards, PE
Donald M. Edwards, PE
11420 Wengel Dr.
Lincoln, NE 68527

January 31, 2002

NEBRASKA — SHEET NUMBER 6



3000 AND 5000-FOOT GRID TICKS

3000 AND 5000-FOOT GRID TICKS

LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT

FILE NO. 564-C

INDIVIDUAL SEWAGE SYSTEM CONSTRUCTION — June 11, 1975
TYPE OF PERMIT — THIS PERMIT EXPIRES

George S. Barth — Adams, Nebraska
ISSUED TO — ADDRESS

T11N;R8E; Sec. 13-N1/2 - SW1/4
LEGAL DESCRIPTION

REMARKS: NON-TRANSFERABLE

PERMIT	INSPECTION FEE	OCCUPATION TAX	TOTAL
$ 30.00	$	$	$30.00
ACCOUNTING NO.	ACCOUNTING NO.	ACCOUNTING NO.	CODE
624-5535	110.16	148.14	6-2
RECEIPTED BY	DATE	AMOUNT	

VALID RECEIPT ONLY IF RECEIPTED IN THIS SPACE

AD
ISSUING OFFICER

THIS PERMIT IS ISSUED AS PROVIDED BY COUNTY RESOLUTION NO. _____

FORM HD-40(73) REQUEST FOR SITE CLEARANCE FOR INDIVIDUAL SEWAGE DISPOSAL SYSTEM

City Ordinance No. 9150 ☐

County Resolution No. 2832 ☒

LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT
Division of Environmental Health
2200 St. Marys Avenue
Lincoln, Nebraska 68502 (Phone: 475-6221)

FILE NO. 564-C

TO: Division of Environmental Health
Lincoln-Lancaster County Health Dept.

DATE: 12/11/74

The undersigned hereby requests SITE CLEARANCE to construct an Individual Sewage Disposal System in conformance with appropriate resolution or ordinance, as described herein:

1. Legal description of property: Twp. 11N; Range 8E; Section 13 N½ SW¼
   Block _____; Lot _____; Addition _____
   Street Address _____

2. Property Use: Residential _____ ☒ ; Commercial _____ ☐
   No. of Bedrooms _____. Describe: _____
   Other Use _____ ☐
   Describe: _____

3. Type of Individual Sewage Disposal System: Septic Tank ☒ ; Other ☐

4. Distance to public sewer: _____ ft.

Mrs. George L Barth
Signature of Applicant (Owner or Lessee)

Adams, Ne 68301
Address

(Do not write below this double line)

REVIEWING ACTION

1. Health Department: Date Rec'd. 12/11/74. Date Frwd. 12/11/74. ACTION: Approved ☒ Disapproved ☐ Signature: Jerrold C. Hood
2. Supt. Bldg. Insp.: Date Rec'd. _____. Date Frwd. _____. ACTION: Approved ☐ Disapproved ☐ Signature: [illegible]
3. City or County Engineer: Date Rec'd. _____. Date Frwd. 12-11-74. ACTION: Approved ☑ Disapproved ☐ Signature: Wesley Hoppe

REMARKS OR REASONS FOR DISAPPROVAL _____

White: Health Dept. Copy
Yellow: Engineers Copy
Pink: Bldg. Inspector's Copy

FORM HD-42(73) APPLICATION FOR PERMIT TO CONSTRUCT INDIVIDUAL SEWAGE DISPOSAL SYSTEM

City Ordinance No. 9150 ☐
County Resolution No. 2832 ☒

LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT
Division of Environmental Health
2200 St. Marys Avenue
Lincoln, Nebraska 68502 (Phone: 475-6221)

FILE NO._____

DATE: 12/11/74

TO: Director of Health
Lincoln-Lancaster County Health Dept.

The undersigned hereby applies for a permit to construct an Individual Sewage Disposal System in conformance with appropriate Ordinance or Resolution, as described in this application and the annexed forms attached hereto.

1. Legal description of property: Twp. 11 N ; Range 8 E ; Section 13 ; Block ; Lot ; Addition .
Street Address .

2. Property Use: Residential ☒; Commercial ☐
No. of Bedrooms
Describe:
Other Use
Describe:

3. Type of Individual Sewage Disposal System: Septic Tank ☒; Other ☐

4. Plans and Specifications of Proposed System. (See FORM HD-45(73) PLANS & SPECIFICATIONS, SEWAGE DISPOSAL SYSTEM, attached hereto.)

5. Soil Absorption Properties. (See FORM HD-43(73) SOIL ABSORPTION TEST DATA REPORT, attached hereto).

Mrs George S Barth
Signature of Applicant (owner or lessee)

Adams, Ne 68301
Address

(Do not write below double line)

REVIEWING ACTION

1. Date Rec'd;
Filing Fee: $ 30.00

2. Site Visits:
Date: 7-21-98 by: jm as visible underground
Date: by:
Date: by:

3. Date: Approved ☒; Disapproved ☐ 12/11/74
by: Jerrold C. Hoop

4. INSTALLATION FINAL WRITTEN APPROVAL
Date: 7-21-98 by: Ron Morgan

FORM HD-33(67) SOIL ABSORPTION TEST DATA REPORT
(Annex to Application)
(Reference: City Ordinance No. 9150)

LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT
Division of Environmental Health
2200 St. Marys Avenue
Lincoln, Nebraska 68502 (Phone 432-7611)

FILE NO. _____

PROPERTY WHERE SOIL TESTED:
Location: Township 11
Section & ¼ Sect. 13
Property Dimensions: ____ ft. x ____ ft.
Area: 40 acres. (Attach sketch of property showing hole location).

Owner: George BarTH
Address RR1 Adams Nebr.

Soil Type: Silty Clay ☐; Silty Clay Loam ☐; Sandy Loam ☐
Silty Loam ☒; Clay Loam ☐; Sandy Clay ☐

Dates of Tests: November 26 to November 27. Weather: Precip. NONE Temp. 47 F.

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. Day)	Time (Hr. Min.)	Date (Mo. Day)	Time (Hr. Min.)	Date (Mo. Day)	Time (Hr. Min.)	Water Level (in.)	Time (Hr. Min.)	Water Level (in.)	Elapsed Time (Min.)	Water Level Drop (in.)	Percolation Rates (Min./inch)
1	30"	11-26	1:00	11-27	12:00	11-27	1:00	15.0	4:00	27.75	240	12.75	18
2	25"	11-26	1:00	11-27	12:00	11-27	1:00	13.5	4:00	25.5	240	12.0	20
3	30"	11-26	1:00	11-27	12:00	11-27	1:00	14.25	4:00	21.0	240	6.75	35
4	25"	11-26	1:00	11-27	12:00	11-27	1:00	14.5	4:00	22.5	240	8.0	30
5	30"	11-26	1:00	11-27	12:00	11-27	1:00	16.5	4:00	26.	240	9.5	25
6	20"	11-26	1:00	11-27	12:00	11-27	1:00	18.5	4:00	18.5	240	0.	0

Keith Dietze
Signature of Person Conducting Test

Address RFD Waverly Nebr.
Phone: 786-5620

Sum of Percolation Rates 128
Average of Rates: 21.3
Mean of Rates: _____

(Do not write below this line)

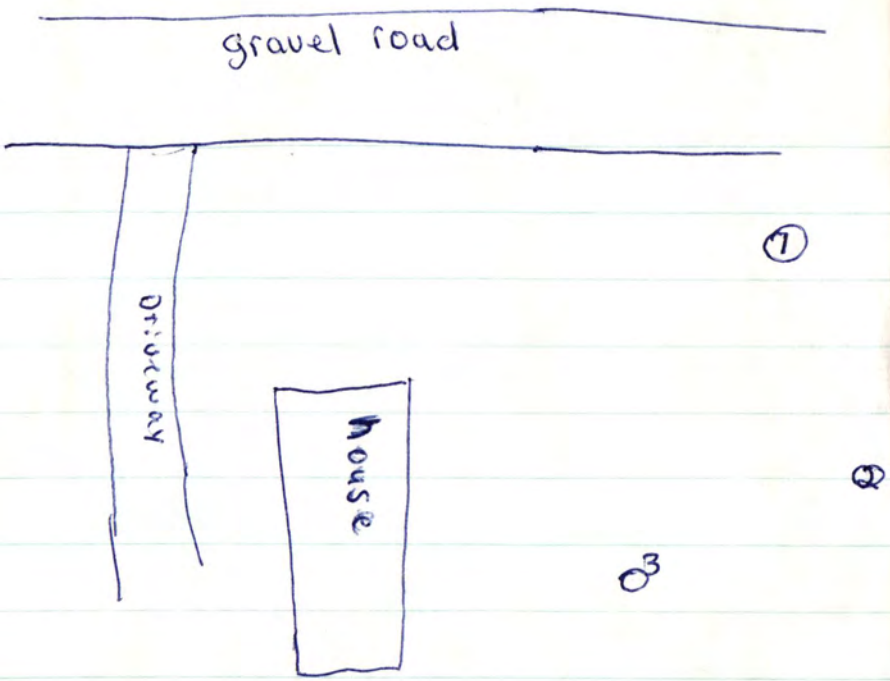
REVIEWING ACTION

REMARKS: _____

Approved Percolation Rate(s)
A. 29 min./inch
B. _____ min./inch
C. _____ min./inch

DATE: December 11, 1974

Gerald C. Wood
Signature of Reviewing Official


gravel road
driveway
house
1
2
3
4
5
6

FORM HD-32a(67) PLANS & SPECIFICATIONS
SEWAGE DISPOSAL SYSTEM
(Annex to Application)
Ordinance No. 9150

LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT
Division of Environmental Health
2200 St. Marys Avenue
Lincoln, Nebraska 68502 (Phone: 432-7611)

FILE NO. _____

SPECIFICATIONS

DATE: _____

A. BUILDING SEWER:

1. Material _____; Diameter ____ in.
2. Distance above basement floor ____in.; or below basement floor ____in.
3. Distance between dwelling and septic tank ____ft.
4. Number of clean-outs _____.
5. Distances To:
   Well or Suction Line ____ft.;
   Stream ____ft.; Pressure Line ____ft.;
   Property Line ____ft.

B. SEPTIC TANK (Provide construction drawings.)

1. Material concrete; No. of compartments _____.
2. Capacity 1,000 gals.; Liquid depth 47 in.
3. Factory Built: Yes ☒ (Company _____)
   No ☐
4. Manholes: Over Inlet; diam. 9 in.
   Over Outlet; diam. 9 in.
   Below Grade _____in.
5. Inlet: Baffle ☐; or Tee ☐
6. Outlet: Baffle ☐; or Tee ☒
   Depth of outlet below inlet ___in.
7. Depth of top of tank below finished grade ____in.
8. Distances To:
   Well or Suction Line ____ft.;
   Stream ____ft.; Pressure Line ____ft.;
   Property Line ____ft.

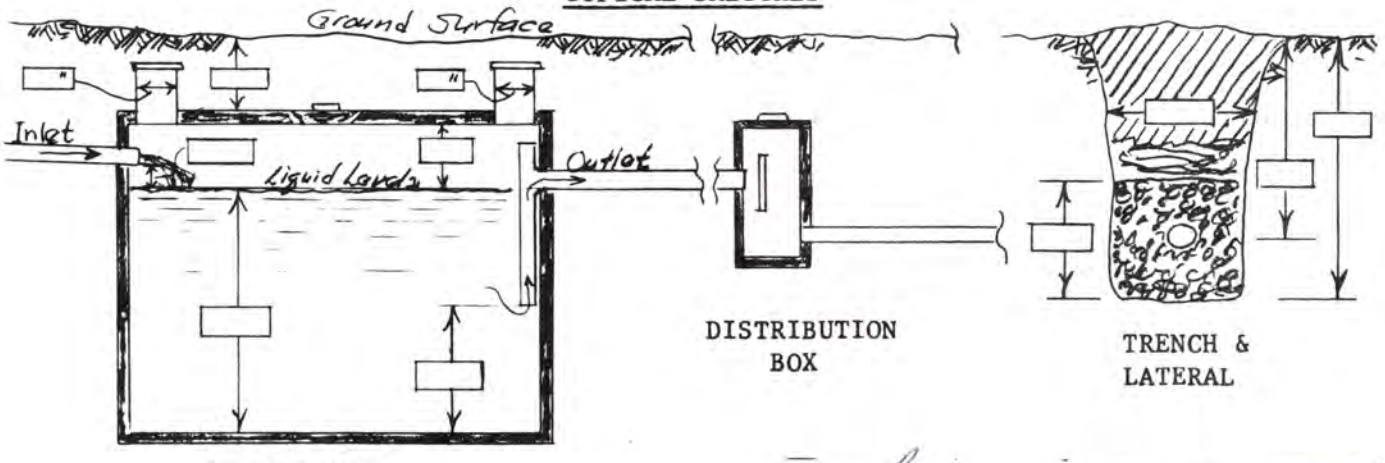
C. DISTRIBUTION BOX

1. Material concrete; No. available outlets _____.
2. Factory Built: Yes ☒, (Company _____) No ☐
3. Dimension: Length 15 in.; Width 9 in. Depth 11 in.
4. Distance from Septic Tank ____ft.
5. Serial Distribution: Yes ☐, No ☐ (If yes, show detailed plans.)

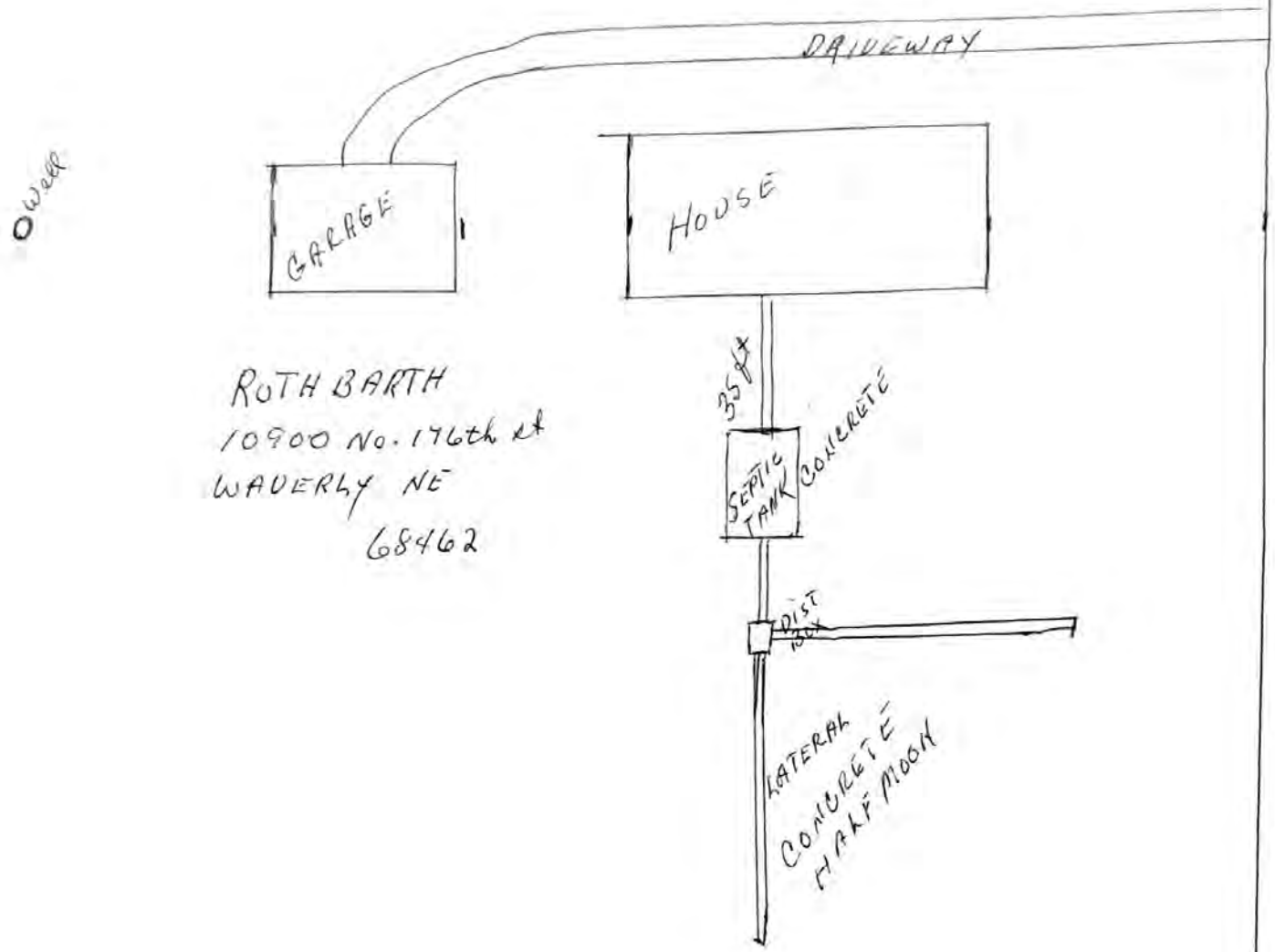
D. ABSORPTION FIELD: (Provide drawings.)

1. Type: concrete ½ moon
2. Lateral Lines: Depth below grade __in. Number ____; Length of each line ___ft Total length of Laterals 123 ft.; Slope ____in/100 ft. Diameter of pipe ____ in.; Shape _____ Material: concrete ☒; fiber asbestos ☐; clay ☐; other _____ Distance between lateral lines ____ft.
3. Trench Dimensions: Depth ___in.; Width 48 in.
4. Filter Material: _____. Depth of material from trench bottom _____in.
5. Distances To:
   Well or Suction Line ____ft.;
   Stream _____ft.; Pressure Line ____ft.
   Property Line ____ft.
6. Percolation Rate: _____minutes/inch

TYPICAL SKETCHES



George S. Barth
Signature of Applicant



ROTH BARTH
10900 No. 176th st
WAVERLY NE
68462

ENTIRE TRACT

Lots 18 & 19, I.T.'s, in the N ½ of the SW ¼ of Section 13, T 11 N., R 8 E., of the 6th P.M., Lancaster County, Nebraska

PARCEL 1

All of lot 18, and part of lot 19, I.T.'s, in the N ½ of the SW ¼ of Section 13, T 11 N., R 8 E., of the 6th P.M., Lancaster County, Nebraska, described as follows:

Beginning at the SW corner of said lot 18, I.T., and extending thence N 0°41'40"E. along the west line of said N ½ of SW ¼, 338.45 feet;
Thence S 89°29'55"E., 245.18 feet;
Thence S 0°41'40"W., 338.45 feet;
Thence N 89°29'55"W., 245.18 feet to the point of beginning, containing 1.90 acres, more or less.

PARCEL 2

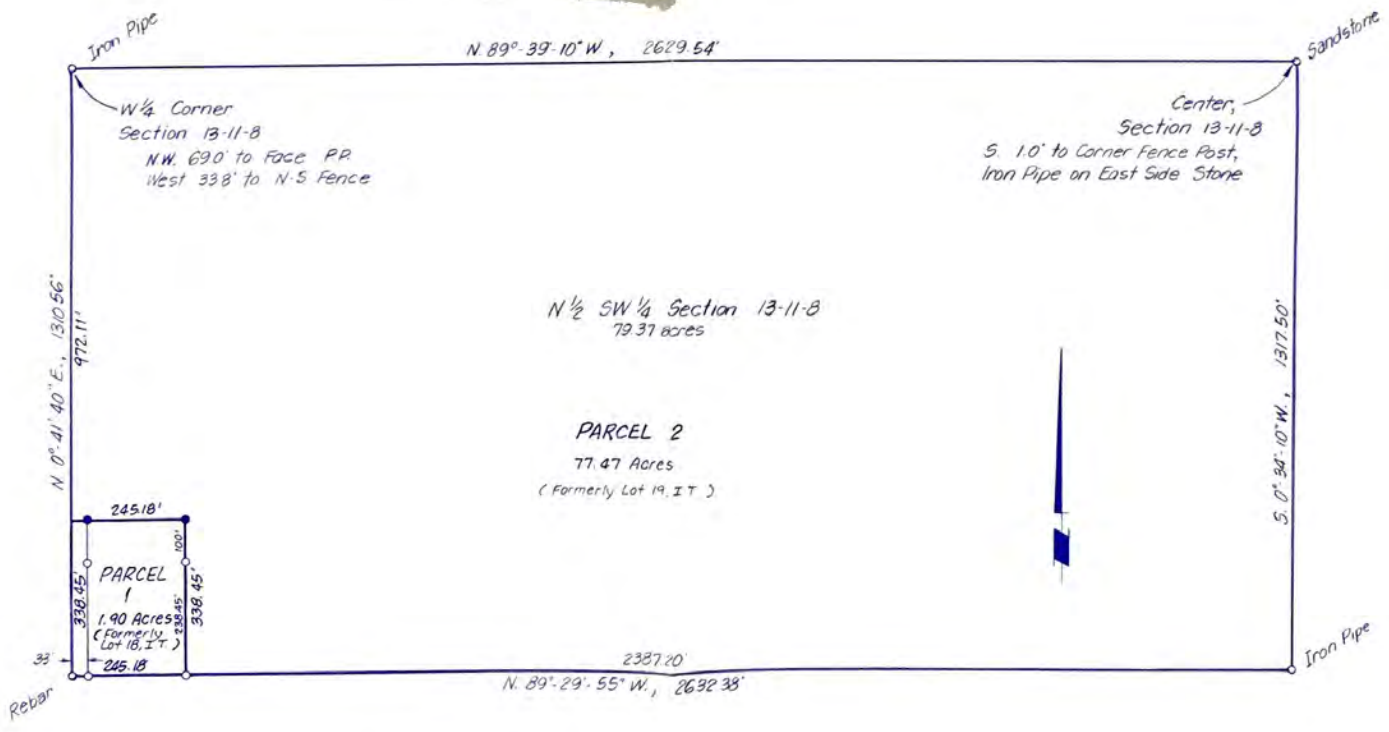
A part of lot 19, I.T., in the N ½ of the SW ¼ of section 13, T 11 N., R 8 E., of the 6th P.M., Lancaster County, Nebraska, described as follows:

Beginning at the NW corner of said lot 19, I.T., and extending thence S 89°39'10"E., 2629.54 feet;
Thence S 0°34'10"W., 1317.50 feet;
Thence N 89°29'55"W., 2387.20 feet;
Thence N 0°41'40"E., 338.45 feet;
Thence N 89°29'55"W., 245.18 feet;
Thence N 0°41'40"E., 972.11 feet to the point of beginning, containing 77.47 acres, more or less.

I hereby certify that this survey was done under my supervision and that I am a Licensed Surveyor under the laws of the State of Nebraska.

Lyle L. Loth, L.S. 314

NEBRASKA REGISTERED LS-314 LAND SURVEYOR LYLE L. LOTH



o Monuments Found
• Corners Set (¾" X 24" Iron Bar)

DEC 12 2001

Donald Edwards	ADMINISTRATIVE SUBDIVISION OF THE N½ OF THE SW¼, SECTION 13, T.11 N., R.8 E., LANCASTER COUNTY	E.S.P. Scale: 1" = 200' Date: 12-4-01	Drwg. No.