Lincoln-Lancaster County Health Department

ENVIRONMENTAL HEALTH DIVISION

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

Permit

SEWAGE INSTALLATION
LAGOON

Permit # 01380237101

Issued 09/27/01
Expires 03/27/02
Revenue Code 3157

FEES: $200.00

Establishment

NICK HELZER
T10N R8E SEC 28 QTR NE
IRREGULAR TRACT LOT 43
501 S 148 ST

Permittee

NICK HELZER
6650 SOUTH ST
LINCOLN NE 68506

TOTAL: $200.00

Bruce D. Dart

Bruce D. Dart, Health Director

• POST IN A PROMINENT PLACE • NOT TRANSFERABLE

000223

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 501 S. 148th St (no rural route) City Lincoln NE, Zip 68520

Legal Description NE 1/4 (1/4) 28 (Section) 10 North (Township) Range 8 East of the 6th P.M. (Subdivision) ~~Addition~~ ~~Block~~ 437 T. ~~Lot~~

Geographical Location (if known): Longitude _____ Latitude _____

☑ Check if system mail address is not the same as the owner's address

B. Owner

Name Nick Helzer Signature _____

Address 6650 South Street City/State/Zip Lincoln, NE 68506

☐ Check if owner designed system Home Phone 488-4682 Work Phone 890-4024

C. Contractor

Name ~~Tom~~ Wellman Plumbing Company Name Wellman Plumbing

Address _____ City/State/Zip Lincoln, NE

☑ Check if contractor designed system Work Phone 434-2400

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 4 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 27 Sep 01 Date frwd 9/28/01 ACTION ☒ Approved ☐ Disapproved Signature _____
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 10/30/01 Date frwd 10/30/01 ACTION ☐ Approved ☐ Disapproved Signature _____
   Line + tank – 6/14/02 DS
3. **City or County Engineer** Date rec'd 10/30/01 Date frwd 10/30/01 ACTION ☒ Approved ☐ Disapproved Signature _____
   Top of Lagoon Dike to be 1235 or higher elevation.

Installation Final Written Approval

By Jerold C. Hood R.E.H.S.

Date JUNE 17, 2002

Business Office Use Only

Date Rec'd 09/27/01

Amt Paid 200.00

Rec'd By _____ ~~Cash~~/Check No. 2648

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

B

Permit Number:

Sewage Disposal System
Soil Absorption Test Data Report
Annex to Application

cell 890 - 4024
Home 488 - 4682

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 148th - O ST City Lincoln NE, Zip

(no rural route)

Owner Nick Helzer Addresss 6650 South 68506

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

Date of Tests 8/31/00 to 9/1/00 Weather: Precipitation Temperature 95

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	36	8/31	1:00	9/1	1:30	9/1	1:30	6	9/1	5:30	30	3/4	40.
2	36	8/31	1:00	9/1	1:30	9/1	1:30	6	9/1	5:30	30	3/4	40.
3	36	8/31	1:00	9/1	1:30	9/1	1:30	6	9/1	5:30	30	1/2	60.
4	36	8/31	1:00	9/1	1:30	9/1	1:30	6	9/1	5:30	30	1/4	120.
5	36	8/31	1:00	9/1	1:30	9/1	1:30	6	9/1	5:30	30	1/4	120.
6	36	8/31	1:00	9/1	1:30	9/1	1:30	6	9/1	5:30	30	1/2	60.

Sum of Percolation Rates:

Average of Rates:

Rate Used for Calculation:

Person Conducting Percolation Tests

Name: Tom Burt Nesia Associates

Phone:

Address

60 01
50 02 South
40 W 03

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks

Signature of Reviewing Official Date

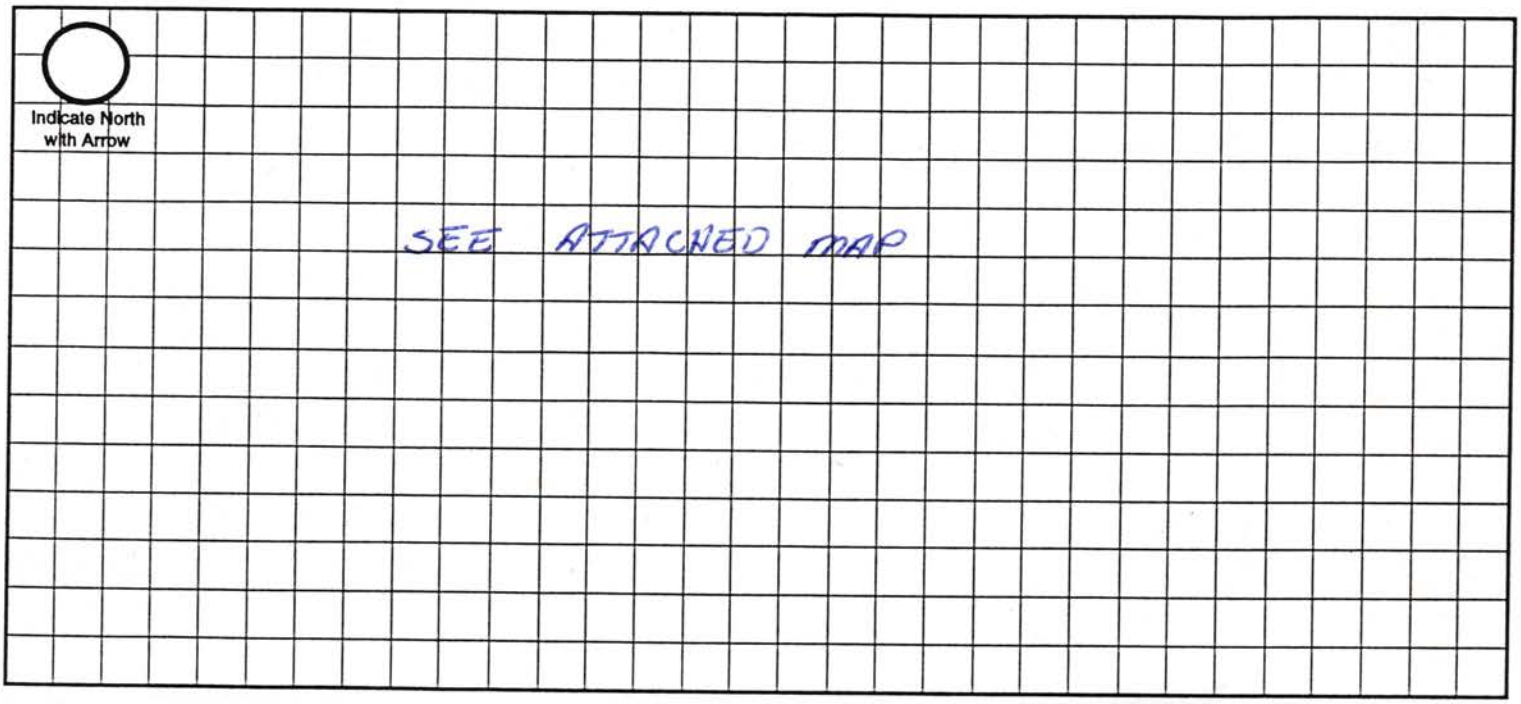
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

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) 1/2 mile south of 148th ; East O Street City Lincoln, NE NE, Zip _____

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 _____

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 J & Anthony's Custom Homes Inc. Date 9-28-01

Installer Wellman Plumbing Date 9-28-01

FORM 23-102 10-96

NOTE:
BUILDING MAY BE LOCATED ANYWHERE WITHIN BUILDABLE AREA OF LOT.

N

PLOT PLAN
SCALE: 1" = 100'-0"

INC.
NEW VENTURES
Custom home design

LINCOLNSHIRE SQUARE
1610 South 70th, Suite 101
Lincoln, NE 68506
483-1988

J. ANTHONY'S
CUSTOM HOMES
HELZER RESIDENCE
NV05301
NV39000

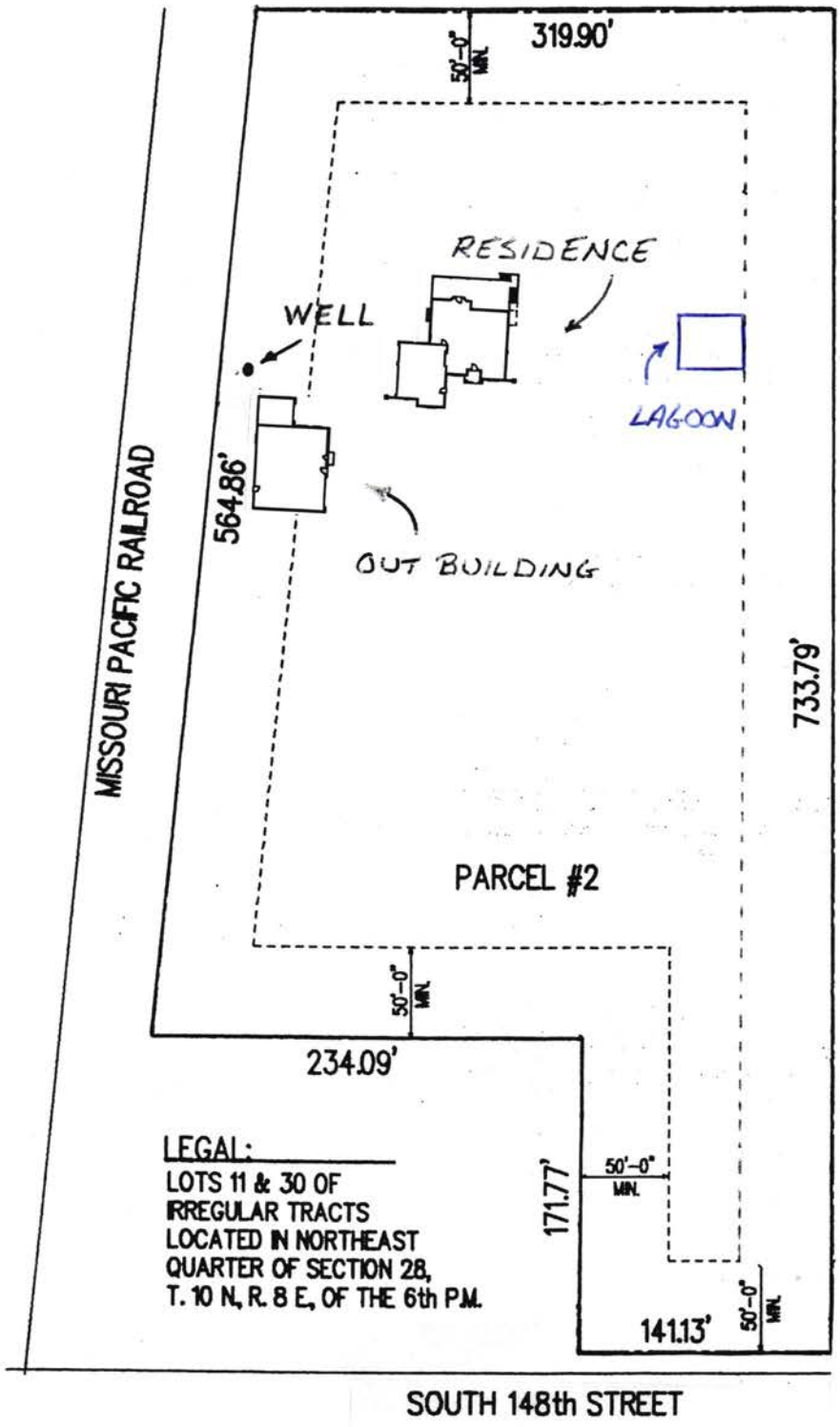


EXHIBIT "A"

A part of Lots 11 and 30, Irregular Tracts located in the Northeast 1/4 of Section 28, Township 10 North, Range 8 East of the 6th P.M., Lancaster County, Nebraska, more particularly described as follows:

Referring to the Northeast corner of Section 28, Township 10 North, Range 8 East of the 6th P.M., Lancaster County, Nebraska. Thence in a Southerly direction on the East line of the Northeast quarter of said Section 28 on an assumed bearing of S 00° 00' 19" W, a distance of one thousand five hundred fifty two and thirty-three hundredths (1,552.33) feet. Thence S 89° 59' 47" W on a line parallel to the North line of Lots 30 and 11 of Irregular Tracts a distance of thirty three and no tenths (33.0) feet to the Point of Beginning, said point being on the East line of said Lot 11 of Irregular Tracts. Thence S 00° 00' 19" W on the East line of said Lots 11 and 30 of Irregular Tracts a distance of one hundred forty one and thirteen hundredths (141.13) feet to the Northeast corner of Lot 7 of Irregular Tracts. Thence S 89° 53' 31" W on the North line of said Lot 7 of Irregular Tracts extended a distance of one hundred seventy one and seventy-seven hundredths (171.77) feet. Thence S 00° 03' 29" E a distance of two hundred thirty four and nine hundredths (234.09) feet, said point being also on the Northerly Fifty and No Tenths (50.0) foot Right-Of-Way line of the former Missouri Pacific Railroad. Thence in a West-Northwesterly direction on a two thousand eight hundred fourteen and ninety-three hundredths (2,814.93) foot Radius Curve to the Left on a Chord Bearing of N 84° 21' 05" W, a Chord Distance of five hundred sixty-four and eighty-six hundredths (564.86) feet to the Southwest corner of said Lot 30 of Irregular Tracts. Thence N 00° 01' 19" W on the West line of said Lot 30 of Irregular Tracts a distance of three hundred nineteen and nine-tenths (319.9) feet. Thence N 89° 59' 47" E on a line parallel to the North line of said Lots 30 and 11 of Irregular Tracts a distance of seven hundred thirty three and seventy-nine hundredths (733.79) feet to the Point of Beginning.

COPY

Nebraska Department of Environmental Quality

Construction Permit No. 02OWT011

is hereby issued to

Nick & Jennifer Helzer

for the

On-site Wastewater Treatment System

located at

501 South 148th Street
Lot 43, NE 1/4, Section 28, Township 10N, Range 8E
Lincoln, Lancaster County, NE.

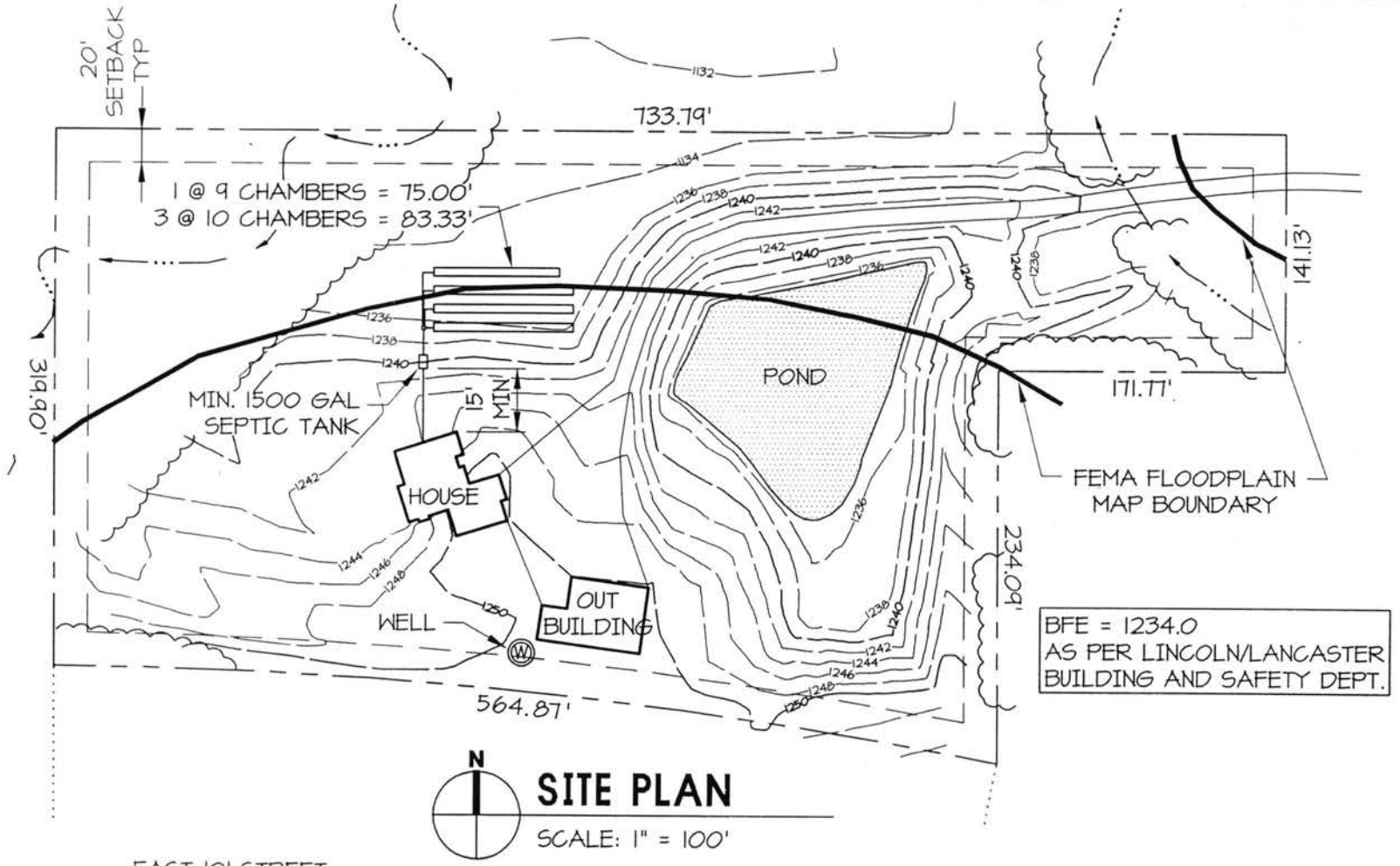
Pursuant to a Delegation Memorandum dated January 12, 1999, and signed by the Director, the undersigned hereby executes this document on behalf of the Director.

Signed June 4, 2002

Dennis Hartman

for *Patrick W. Rice, Assistant Director*

Suite 400, The Atrium, 1200 "N" Street, P. O. Box 98922, Lincoln, Nebraska, 68509-8922
Phone (402) 471-2186, Fax (402) 471-2909, e-mail Pubinfo@mail.deq.state.ne.us

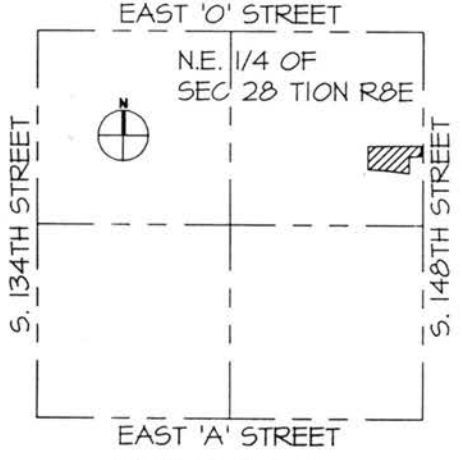


BFE = 1234.0
AS PER LINCOLN/LANCASTER BUILDING AND SAFETY DEPT.

N

SITE PLAN

SCALE: 1" = 100'



VICINITY MAP

Pollution Control Program
02 OWT 011 RKN
Nebraska DEQ
JUN 04 2002
APPROVED

REGISTERED PROFESSIONAL ENGINEER
BERNARD L. HOTTOVY
E-4113
STATE OF NEBRASKA
May 24 2002

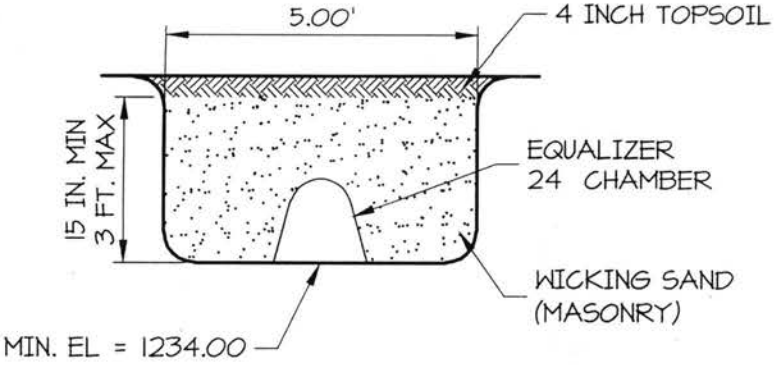
501 S.148th STREET

LOT 43 I.T. SEC 28 TION R8E
LINCOLN, NEBRASKA

11 APR 2002
20 MAY 02

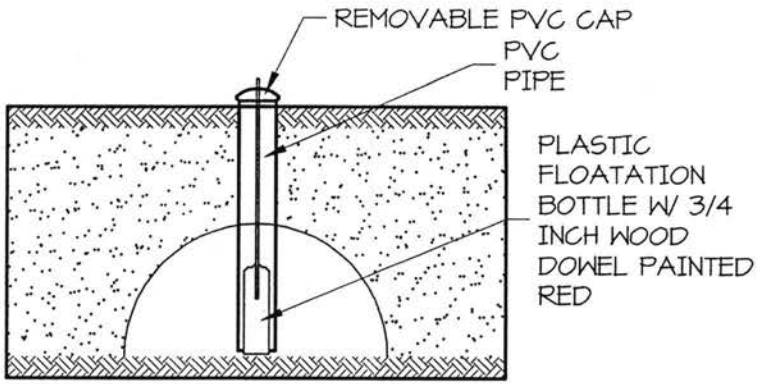
ON-SITE WASTEWATER TREATMENT SYSTEM

DESIGN ASSOCIATES OF LINCOLN, INC.
ARCHITECTS-ENGINEERS-PLANNERS
1609 "N" STREET
LINCOLN, NEBRASKA 68508
PHONE:(402) 474-3000
FAX:(402) 474-4045
desassoc@inebraska.com



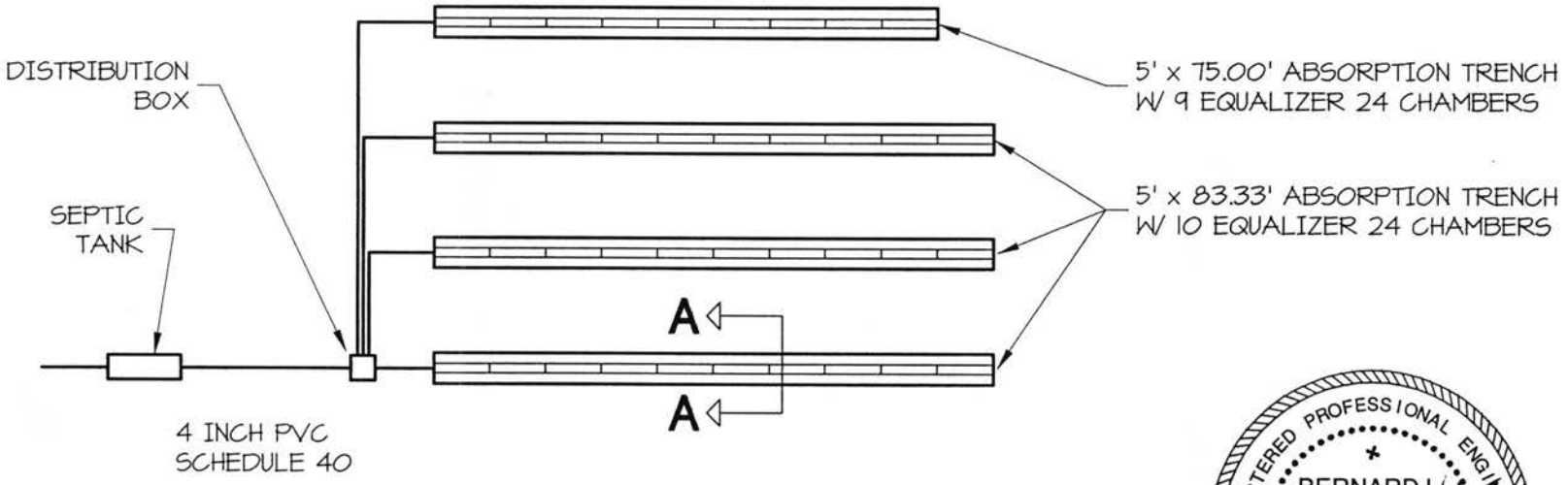
SECTION A-A

NO SCALE



HIGH WATER INDICATOR

NO SCALE (REQUIRED)



ABSORPTION TRENCH PLAN

NO SCALE

REGISTERED PROFESSIONAL ENGINEER
BERNARD L. HOTTOVY
E-4113
STATE OF NEBRASKA
May 24, 2002

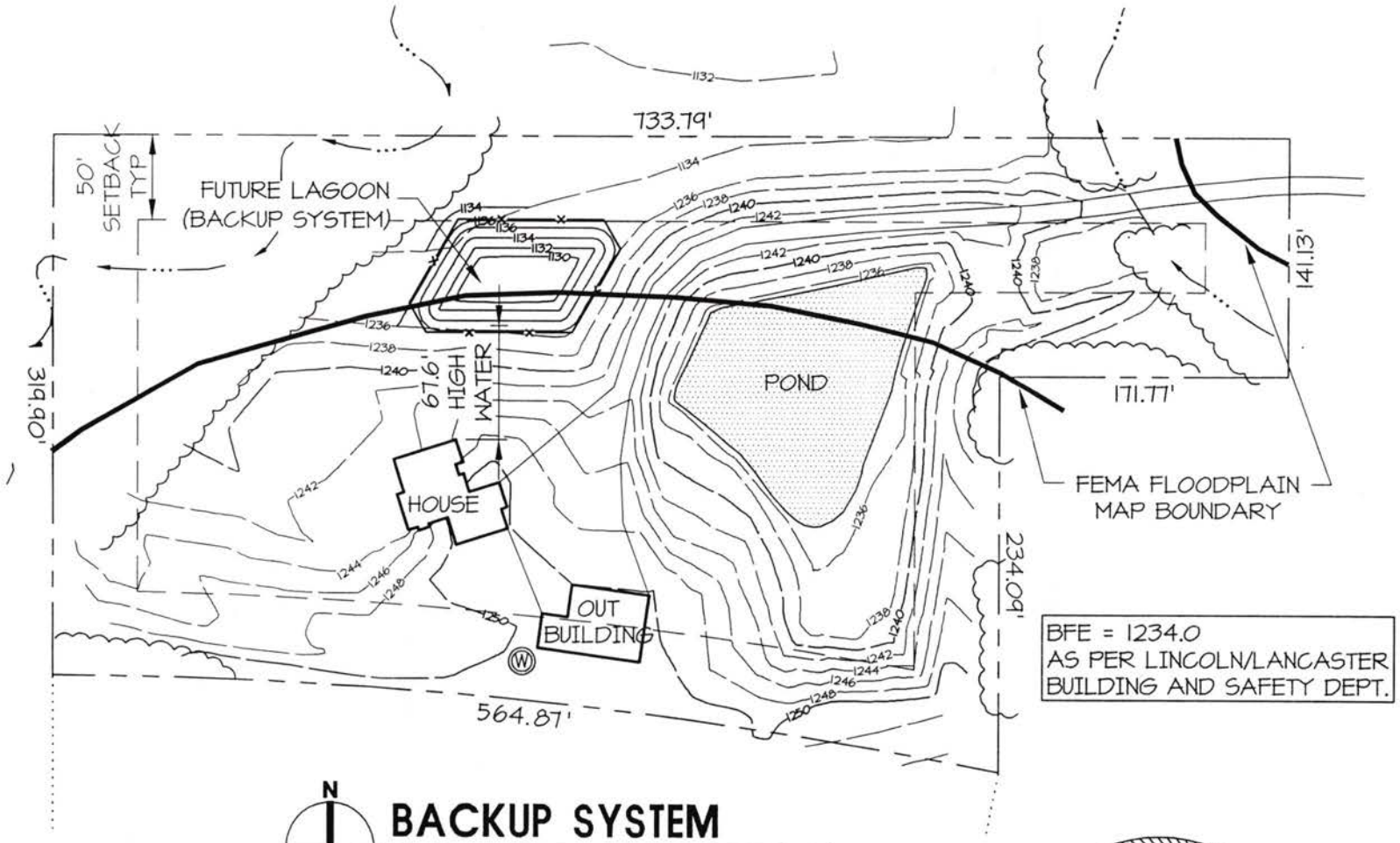
APR 2002
02 HWY 02

501 S. 148TH STREET

LOT 43 I.T. SEC 28 T10N R8E
LINCOLN, NEBRASKA

ON-SITE WASTEWATER TREATMENT SYSTEM

DESIGN ASSOCIATES OF LINCOLN, INC.
ARCHITECTS-ENGINEERS-PLANNERS
1609 "N" STREET
LINCOLN, NEBRASKA 68508
PHONE:(402) 474-3000
FAX:(402) 474-4045
desassoc@inebraska.com



BACKUP SYSTEM

SCALE: 1" = 100'

REGISTERED PROFESSIONAL ENGINEER
BERNARD L. HOTTOVY
E-4113
STATE OF NEBRASKA
May 30, 2002

501 S.148th STREET

LOT 43 I.T. SEC 28 T10N R8E
LINCOLN, NEBRASKA

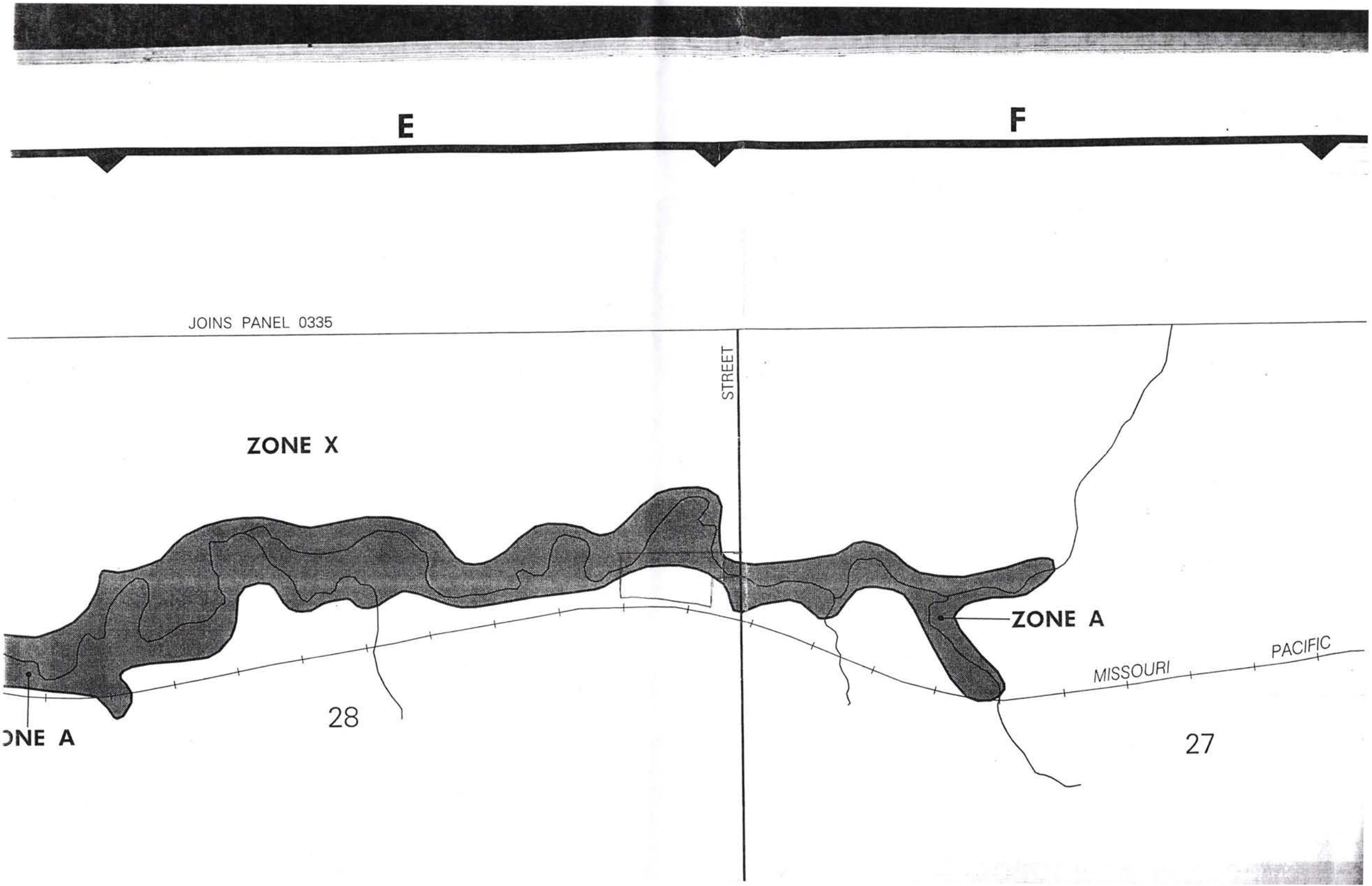
date: 11 APR 2002
revised: 20 MAY 02

project no.

sheet name: ON-SITE WASTEWATER TREATMENT SYSTEM

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ARCHITECTS-ENGINEERS-PLANNERS
1609 "N" STREET
LINCOLN, NEBRASKA 68508
PHONE:(402) 474-3000
FAX:(402) 474-4045
desassoc@inebraska.com

sheet no. 3 OF 3


E
F
JOINS PANEL 0335
STREET
ZONE X
ZONE A
ONE A
MISSOURI
PACIFIC
28
27