Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

003217

(402) 441-8000

Permit SEWAGE INSTALLATION
LAGOON

Permit # 03380274501

Issued 11/10/03
Expires 05/10/04
Revenue Code 3157

Establishment WILLIAM & PAULA VELANDER
T8N R8E SEC 9 QTR SE
LITTLE NEMAHA LK EST LOT 7
14640 WITTSTRUCK RD-BENNET

FEES: $200.00

Permittee WILLIAM & PAULA VELANDER
% KINNING-SYDOW BUILDERS
P O BOX 6554
LINCOLN NE 68506

TOTAL: $200.00

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

NOV 17 2003

A

Permit Number: 033802745

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 14640 W. Hstruck Rd (no rural route) City Denat NE, Zip 68317

Legal Description SE 9 8N 8E Little Nemaha Lake Estates — 7
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 William & Paula Velander Signature William Velander by Mary Dinning

Address 3014 Lancaster Dr City/State/Zip Blacksburg, Virginia 24060

☐ Check if owner designed system Home Phone 540-953-1914 Work Phone 472-3697

C. Contractor Mike Kinning

Name Kinning-Sydow Builders Company Name Kinning-Sydow Builders, Inc.

Address P.O. Box 6554 City/State/Zip Lincoln, NE 68506

☐ Check if contractor designed system Work Phone 421-1334 or 430-6344

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

Designer Name Clint Wellmann Plumbing Firm _____ Work Phone 434-2400 or 610-0563

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 11/10/03 Date frwd 11/18/03 ACTION ☒ Approved ☐ Disapproved Signature Jerrold C. Hood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 11-12-03 Date frwd 11-12-03 ACTION ☒ Approved ☐ Disapproved Signature _____
3. **City or County Engineer** Date rec'd 11-18-03 Date frwd 11-18-03 ACTION ☒ Approved ☐ Disapproved Signature _____

Verify That Lagoon is out of 100 yr flood pool of Lake.

Installation Final Written Approval

By _____

Date 3/25/04

Business Office Use Only

Date Rec'd 11/10/03
Amt Paid $200.00
Rec'd By _____ Cash/Check No. 24652

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: 033802745

Sewage Disposal System

Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 14640 Wittstruck Rd (no rural route) City Bennet NE, Zip 68317

Owner William & Paula Vekander Addresss 3014 Lancaster Dr. Lincoln

Soil Type (SCS): Mixed Clay Percolation Rate: 93 min./inch

Date of Tests 10-1-03 to 10-2-03 Weather: Precipitation Dry Temperature 70°

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	10-1	9am	10-2	9am	10-2	9am	6"	10-2	1p	30	1/4	120
2	30	"	"	"	"	"	"	"	"	"	"	3/8	80
3	30	"	"	"	"	"	"	"	"	"	"	1/2	60
4	30	"	"	"	"	"	"	"	"	"	"	1/2	60
5	30	"	"	"	"	"	"	"	"	"	"	1/4	120
6	30	"	"	"	"	"	"	"	"	"	"	1/4	120

Person Conducting Percolation Tests

Name: Clint Prenell
Phone: 402-434-2400
Address 3130 S. 6th Suite 100
Lincoln Ne. 68502

Sum of Percolation Rates: 560
Average of Rates: 93
Rate Used for Calculation: 93

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks LAGOON MUST BE SEALED

Signature of Reviewing Official Gerrold C. Hood Date

FORM 23-101 10-96

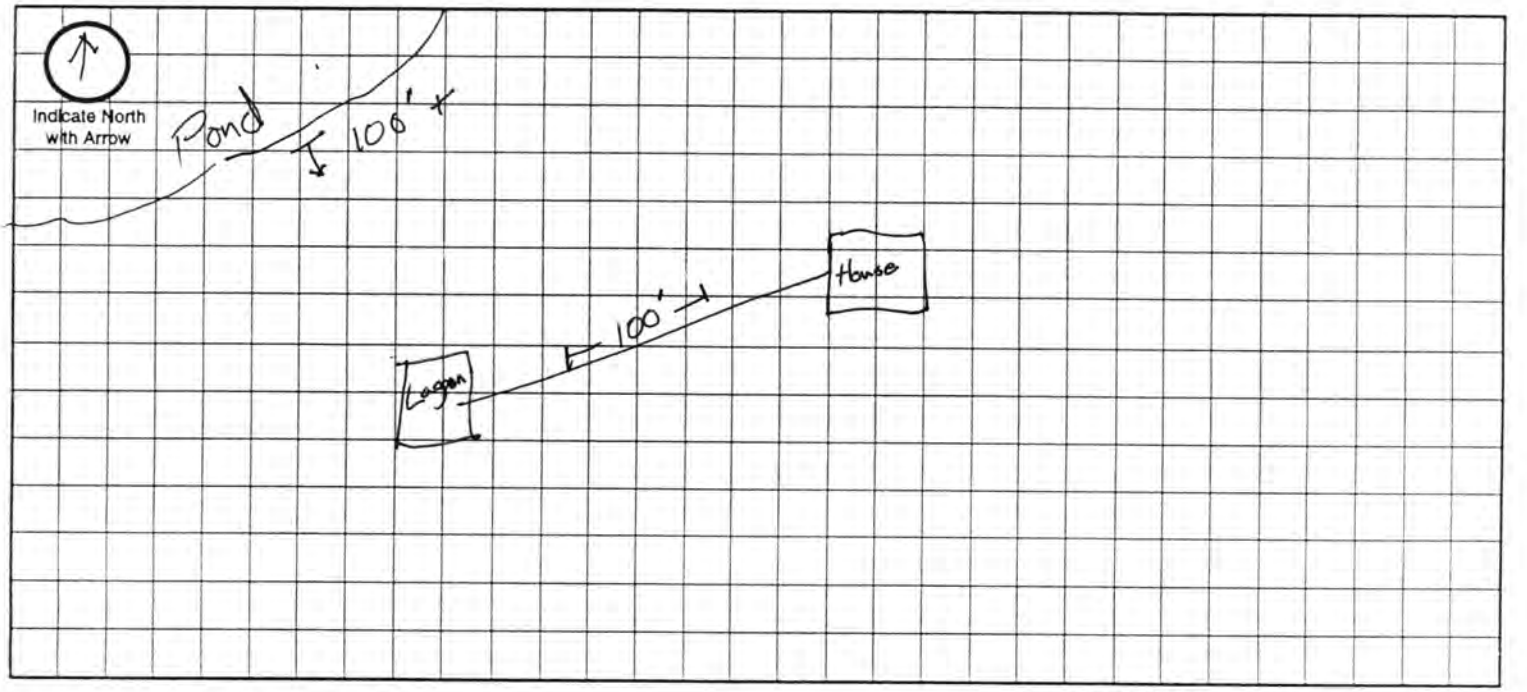
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

C

Permit Number: 033 802745

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) 14640 Wittstruck Rd. City Bennet NE, Zip 68317

B. ~~Proposed Septic Tank~~/s

Tank Material: ☐ Concrete ☐ Plastic ☐ Other Lagoon

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

Percolation Rate 93 (min. per inch) Soil Type: Mixed Clay Land Slope: 3 %

Type of Absorption System: ☐ Trench ☐ Bed ☑ Other Lagoon

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 Mary Dinning Date 10-31-03

Installer Chet Pruett Wellmann Plumbing Inc. Date 10-31-03

FORM 23-102 10-96

Nebraska Department of Environmental Quality

Construction Permit No. 040WT001

is hereby issued to

William & Paula Velander

for the

On-site Wastewater Treatment System

located at

14640 Wittstruck Road, Bennet, Nebraska
Lot 7, Little Nemaha Lake Estates Addition
SW 1/4, SE 1/4, Sec. 9, T8N, R8E
Lancaster County, Nebraska

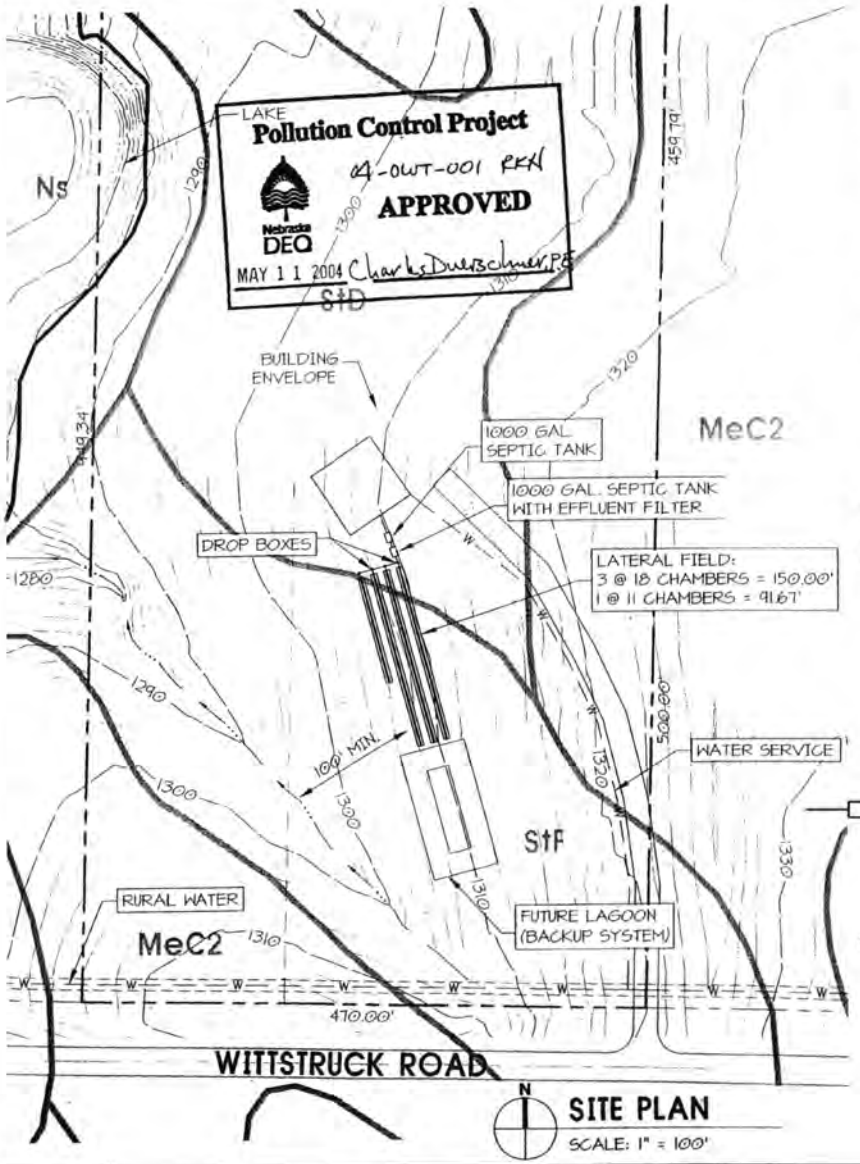
Pursuant to a Delegation Memorandum dated January 12, 1999, and signed by the Director, the undersigned hereby executes this document on behalf of the Director.

Signed 5-11-04

David Chamberlain

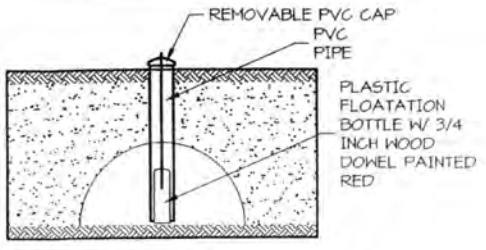
for *Patrick W. Rice, Assistant Director*

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: Publinfo@mail.deq.state.ne.us



SITE PLAN

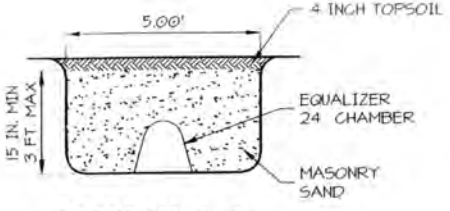
SCALE: 1" = 100'



HIGH WATER INDICATOR

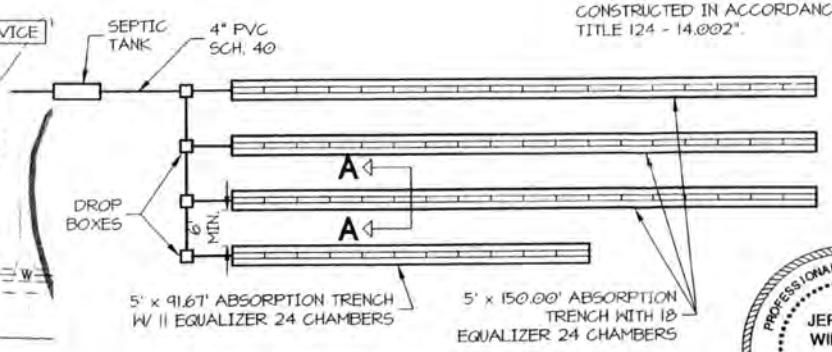
NO SCALE

(REQUIRED ON END OF EACH LATERAL)



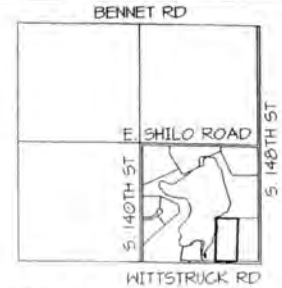
SECTION A-A

NO SCALE



ABSORPTION TRENCH PLAN

NO SCALE



VICINITY MAP

NOT TO SCALE

GENERAL NOTES:

1. IT IS RECOMMENDED THAT A WATER METER BE INSTALLED ON THE WATER SUPPLY LINE SO THAT THE OWNER CAN MONITOR WATER USE AND ENSURE THAT NO MORE THAN 750 GALLONS PER DAY IS BEING USED.

2. IT MAY BE NECESSARY TO ADJUST THE ORIENTATION OF THE LATERALS SO THAT THE MINIMUM (1.5FT) AND THE MAXIMUM (3.0FT) DEPTHS ARE NOT EXCEEDED.

3. THE CONTRACTOR SHALL EXCAVATE AN INSPECTION PIT TO CONFIRM THAT 4' OF SEPARATION CAN BE MAINTAINED FROM ANY SEASONAL WATER TABLE, OR IMPERMEABLE CLAY OR ROCK LAYER.

4. 150' LONG LATERALS SHALL BE CONSTRUCTED IN ACCORDANCE WITH "NDEQ TITLE 124 - 14.002".

PROFESSIONAL CIVIL ENGINEER
JEREMY J. WILLIAMS
E-10521
STATE OF NEBRASKA
5/11/04

2 APR 2004
29 APR 04
7 MAY 04

14640 WITTSTRUCK ROAD

LOT 7, LITTLE NEMAHA LAKE ESTATES ADDITION
BENNET, NEBRASKA

ON-SITE WASTEWATER TREATMENT SYSTEM

DESIGN ASSOCIATES OF LINCOLN, INC
PERSHING SQUARE
1609 "N" STREET
LINCOLN NEBRASKA 68508
voice: 402/474-3000
fax: 402/474-4045
desassoc@nebraska.com

1 OF 1