Lincoln-Lancaster County Health Department

ENVIRONMENTAL HEALTH DIVISION

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

Permit

SEWAGE INSTALLATION
LAGOON

Permit # 02380252501

Issued 08/26/02
Expires 02/26/03
Revenue Code 3157

Establishment

RUSSELL & NAN DUERKSEN
T8N R8E SEC 2 QTR SE
IRREGULAR TRACT LOT 44IT
12601 S 176 ST-BENNET

FEES: $200.00

Permittee

RUSSELL & NAN DUERKSEN
BOX 153
BENNET NE 68317

TOTAL: $200.00

Bruce D. Dart

Bruce D. Dart, Health Director

• POST IN A PROMINENT PLACE • NOT TRANSFERABLE

002847

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

A

Permit Number: 02380252501

Sewage Disposal System

Request for Site Clearance and Permit

CHANGE TO

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 12601 S. 176th St (no rural route) City Bennet NE, Zip 68317

Legal Description See permit # 02380252501 14-7-7

1/4 1/4 Section Township Range Subdivision Addition Block Lot

Geographical Location (if known): Longitude 2 BM GE Latitude

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

B. Owner

Name Russell + Nan Duerksen Signature Nan Duerksen

Address Po Box 153 City/State/Zip Bennet NE 68317

☐ Check if owner designed system Home Phone 890 3653 Work Phone

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 Clint Presnell Firm Wellmann Plumbing Work Phone 434-2400

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 Date frwd ACTION ☐ Approved ☐ Disapproved Signature
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

Signed on original. ~~Need drawing 3/26/03 CH~~

Installation Final Written Approval

By Jerrold C. Wood R.E.H.S.

Date MAY 21, 2004

Business Office Use Only

Date Rec'd

Amt Paid

Rec'd By Cash/Check No.

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: 023802525O1

Sewage Disposal System

Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 12601 S. 176th St (no rural route) City Bennett NE, Zip 68317

Owner Duerksens' Addresss Po Box 153 Bennet NE. 68317

Soil Type (SCS): _____ Percolation Rate: 60 min./inch

Date of Tests Sept 25 to Sept 26 Weather: Precipitation ϕ Temperature 70 - 80

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)	Last Elapsed Time (Min)	Last 30 Water Level Drop (in)	Percolation Rates (Min/in)
1	36"	10/25	8 am	10/26	8a	10/26	8am	6"	10/26	12 am	30 min	1/2	60
2	↓	↓	↓	↓	↓	↓	↓	6"	↓	↓	↓	5/8"	48
3	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	3/4"	40
4	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	1"	30
5	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	5/8"	48
6	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	1/2"	60
7	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	5/8"	48
8	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	5/8"	48
		↓											

Person Conducting Percolation Tests

Name: Russell + Nan Duerksen
Phone: 990-3653
Address PO Box 153
Bennet NE 68317

Sum of Percolation Rates: 322
Average of Rates: 53
Rate Used for Calculation: 60

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

Signature of Reviewing Official _____ Date _____

FORM 23-101 10-96

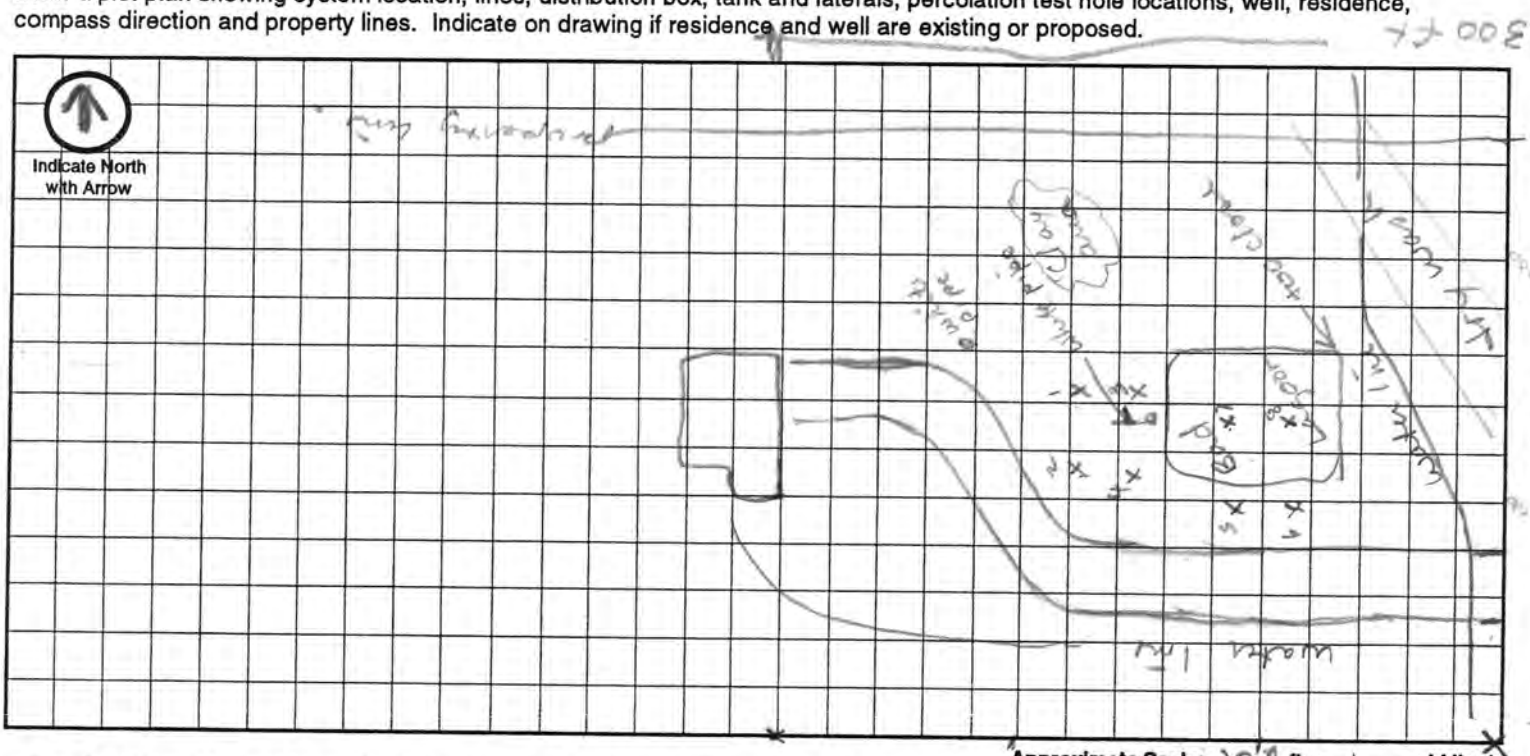
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

C

Permit Number: 023802525O1

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.



A. System Location (Indicate correct number and street)

Address (no rural route) 12601 S. 176th City Bennet NE, Zip 68317

B. Proposed Septic Tank/s

Tank Material: ☑ Concrete ☐ Plastic ☐ Other _____

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

Percolation Rate 60 (min. per inch) Soil Type: _____ Land Slope: 2 %

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

Total Square Feet of Field Required: ~~1750~~ sq. ft. 1750

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

Capacity of Septic Tank ~~1000~~ 1750 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals ~~350~~ 440 ft. Number of Trenches 5 Trench Width 48"

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 Clint Presnall Date 3-12-03

FORM 23-102 10-96

Attn Jerry

D

Lincoln-Lancaster County Health Department
Environmental Health Division
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Phone: 402-441-8022

Permit Number:

Sewage Disposal System
As Built Plans & Specifications

Date _____

System Location (Indicate correct number and street)
Address 12601 S 176th (no rural route) City ~~Lincoln~~ Bennet NE, Zip 68317

A. Building Sewer
1. Material: Schd. 40 PVC
   Diameter: 4" in.
2. Distance above basement floor: — in.
   or distance below basement floor: 12 in.
3. Distance between dwelling and septic tank: 140 ft.
4. Number of clean-outs: 3
5. Distances to: well or suction line — ft.
   stream — ft.
   pressure line 75' ft.
   property line 100'+ ft.

B. Septic Tank
1. Material: Concrete
   Number of compartments: 3
2. Capacity: 1750 gal.
3. Factory built: ☑ Yes ☐ No
4. Manholes: Over inlet, diameter 24" in.
   Over outlet, diameter _____ in.
   Riser: ☑ above ☐ below grade 6 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 — ft.
   Stream — ft.
   Pressure line 75'+ ft.
   Property line 100'+ ft.

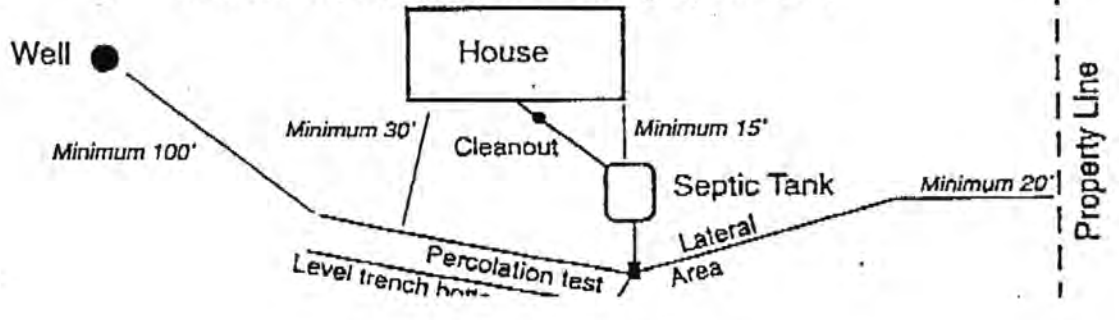
C. Distribution Box
1. Material: Plastic
   Number available outlets: 5
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: 40' ft.

D. Absorption Field
(Provide as-built drawings on back of this form)
1. Type: ☑ Half rounds ☐ Perforated pipe Infiltrator
   Diameter of half round: _____
   or perforated pipe: _____
   Material: ☐ fiberglass ☑ plastic ☐ concrete
   ☐ other _____
2. Lateral lines: Number 5
   Length of each line: 100 ft. 100 ft.
   100 ft. 100 ft., 40 ft.
3. Trench dimensions: Width 4' ft.
   Slope 4' in/100 ft.
   Average depth 24 in
4. Filter material: Gravel
   Depth of material 18 in.
5. Distances to: Well or suction line — ft.
   Stream — ft.
   Pressure line 75'+ ft.
   Property line 30 ft.

Indicate North with Arrow

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

Individual Sewage System Design (Example)



As Built Drawing

