Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

(402) 441-8000

008633

Permit

SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 06380314601

Issued 02/07/06
Expires 02/07/07
Revenue Code 3157

Establishment

ROBERT BENNIE
T8N R6E SEC 3 QTR NW
LOT 16IT
1085 W SALTILLO RD-ROCA

FEES: $275.00

Permittee

ROBERT BENNIE
2402 RIDGE RD
LINCOLN NE 68512

TOTAL: $275.00

Bruce D. Dart

Bruce D. Dart, Health Director

EPH COPY

LINCOLN LANCASTER COUNTY HEALTH DEPARTMENT

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

A

Permit Number: 063803146O1

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 1085 W Saltillo Rd (no rural route) City Roca NE, Zip NE 68430

Legal Description NW (1/4) 3 (1/4) 8N (Section) 6E (Township) (Range) (Subdivision) (Addition) (Block) 160 (Lot)

Geographical Location (if known): Longitude _____ Latitude _____

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

B. Owner

Name Robert Bernie Signature Bob Bernie

Address 2402 Ridge Rd City/State/Zip Lincoln, NE 68512

☐ Check if owner designed system Home Phone 402-421-1114 Work Phone 402-421-2626

C. Contractor

Name Mike Rezac Company Name Rezac Construction, Inc.

Address 140 N 1st St Ste. A City/State/Zip Lincoln, NE 68508-2301

☐ Check if contractor designed system Work Phone 402-477-8844

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

Designer Name Lloyd Jakoubek Firm Raymond Contracting, Inc Work Phone 402-890-6009

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 2/7/06 Date frwd _____ ACTION ☒ Approved ☐ Disapproved Signature Jerrold C. Hood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 2/7/06 Date frwd _____ ACTION ☒ Approved ☐ Disapproved Signature _____
3. **City or County Engineer** Date rec'd 2-8-06 Date frwd _____ ACTION ☒ Approved ☐ Disapproved Signature Bruce Briney

Inspected by Leon Marquez

Installation Final Written Approval

By _____

Date 2/13/06

Business Office Use Only
Date Rec'd 02/07/06
Amt Paid 275.00
Rec'd By _____ ~~Cash~~/Check No. 6788

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: 063803146

Sewage Disposal System

Soil Absorption Test Data Report

Annex to Application

PLEASE PRINT OR TYPE

Bennie

NW¼ 3-8-6 Lot 16

System Location (Indicate correct number and street)

Address 1085 W Saltillo Rd (no rural route) City Roca NE, Zip NE 68430

Owner Robert Bennie Addresss 2402 Ridge Rd Lincoln, NE 68512.

Soil Type (SCS): Wymore Percolation Rate: 48 min./inch

Date of Tests 9/7/05 to 9/8/05 Weather: Precipitation 0 Temperature 91°

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	42	9/7	2:00p	9/7	6:00p	9/8	12:45p	6	9/8	4:45p	30	1 15/16	30/1.94 = 15
2	43	"	"	"	"	"	"	"	"	"	"	3	30/3.00 = 10
3	42	"	"	"	"	"	"	"	"	"	"	2 1/8	30/2.13 = 14
4	46	"	"	"	"	"	"	"	"	"	"	3 3/16	30/3.19 = 9
5	44	"	"	"	"	"	"	"	"	"	"	2 9/16	30/2.56 = 12
6	43	"	"	"	"	"	"	"	"	"	"	5/8	30/0.63 = 48

Sum of Percolation Rates: 105

Average of Rates: 18

Rate Used for Calculation: 48 (20 min variance)

Person Conducting Percolation Tests

Name: Terri Jakoubek, Raymond Contracting, Inc.

Phone: 402-783-2663 or 402-890-3870

Address 13800 NW 70th St
Raymond, NE 68428 #P1198

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

B

Permit Number:

Sewage Disposal System

Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

NW¼ 3-8-6 Lot 16

System Location (Indicate correct number and street)

Address 1085 W. Saltillo Rd (no rural route) City Lincoln NE, Zip 68502

Owner Robert Bonnie Addresss 2402 Ridge Rd Lincoln. NE 68512.

Soil Type (SCS): Wymore Percolation Rate: 48 min./inch

Date of Tests 9/7/05 to 9/8/05 . Weather: Precipitation 0 Temperature 91°

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)
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2	43	"	"	"	"	"	"	"	"	"	"	3	30/3.00 = 10
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4	46	"	"	"	"	"	"	"	"	"	"	3 3/16	30/3.19 = 9
5	44	"	"	"	"	"	"	"	"	"	"	2 9/16	30/2.56 = 12
6	43	"	"	"	"	"	"	"	"	"	"	5/8	30/0.63 = 48

Sum of Percolation Rates: 108

Average of Rates: 18

Rate Used for Calculation: 48 (20 mei variance)

Person Conducting Percolation Tests

Name: Terri Jakoubek, Raymond Contracting, Inc.

Phone: 402-783-2662 or 402-890-3870

Address 13800 NW 70th St
Raymond. NE 68428 # P1198

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks

Signature of Reviewing Official

Date

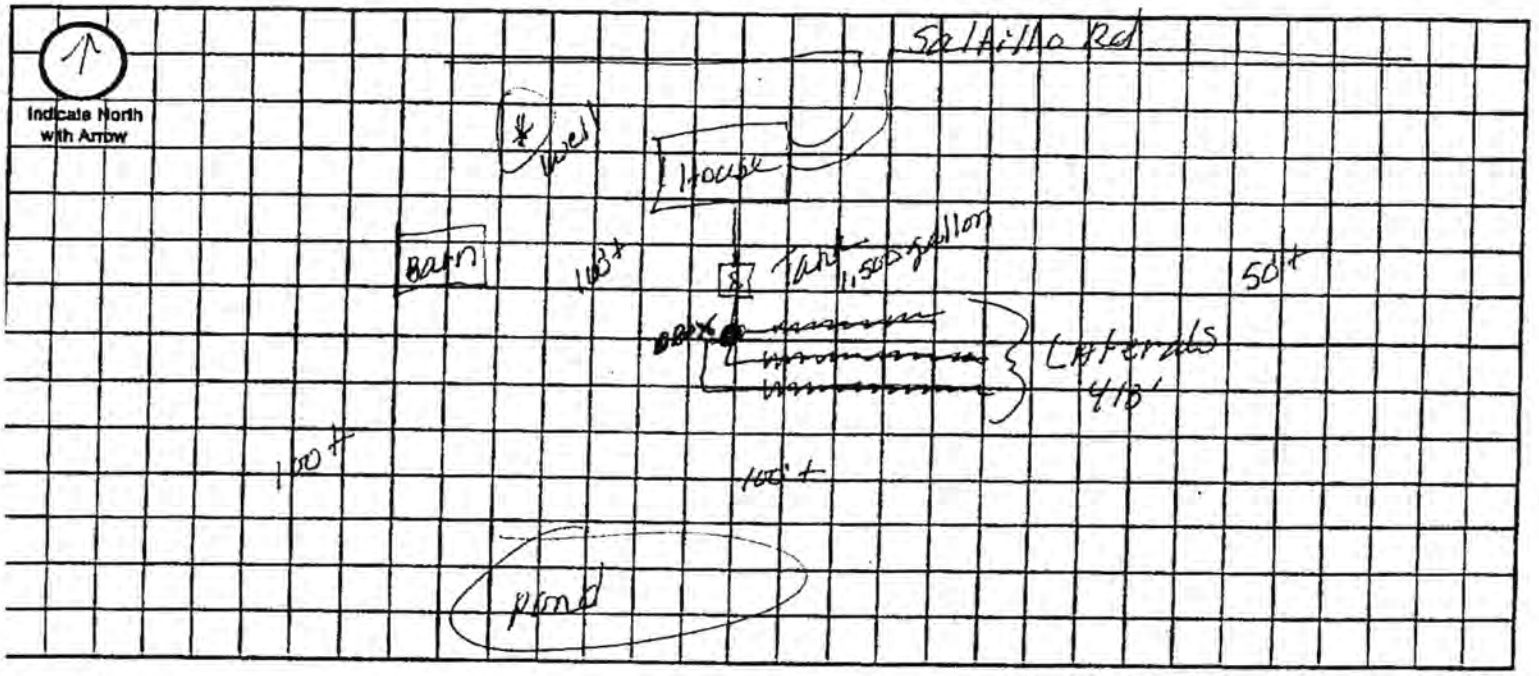
Lincoln-Lancaster County Health Department
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C

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) 1085 W. Saltillo Rd City Lincoln NE, Zip 68502
NW¼ 3-8-6 Lot 14

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ Plastic ☐ Other _____

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

Percolation Rate 48 (min. per inch) Soil Type: Wymore Land Slope: _____ %

Type of Absorption System: ☒ Trench ☐ Bed ☐ Other _____

Total Square Feet of Field Required: 1,650 sq. ft.

Type of Lateral: ☐ Half-Moon ☐ Perforated Pipe ☒ Other Lateral Material: 11-10 Standard

Capacity of Septic Tank 1,500 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals 413 ft. Number of Trenches 3 Trench Width 4'

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

JAN 3 0 2006

D

Permit Number:

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

Sewage Disposal System

As Built Plans & Specifications

Date 1/25/06

Bennie.

System Location (Indicate correct number and street)

Address 1085 W Saltillo Rd (no rural route) City Lincoln NE, Zip 68502

A. Building Sewer

1. Material: class 160
   Diameter: 4 in.
2. Distance above basement floor: ____ in.
   or distance below basement floor: 46 in.
3. Distance between dwelling and septic tank: 164 ft.
4. Number of clean-outs: 3
5. Distances to: well or suction line 100+ ft.
   stream 100+ ft.
   pressure line 100+ ft.
   property line 100+ ft.

B. Septic Tank

1. Material: concrete
   Number of compartments: one
2. Capacity: 1500 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter 24 in.
   Over outlet, diameter 24 in.
   Riser: ☐ above ☐ below grade At grade in.
5. Inlet: ☒ baffle ☐ tee
6. Outlet: ☒ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 22 in.
8. Distances to: Well or suction line 77' ft.
   Stream 100+ ft.
   Pressure line 100+ ft.
   Property line 100+ ft.

C. Distribution Box

1. Material: PVC 2-Boxes
   Number available outlets: 6
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 4' and 15' ft.

D. Absorption Field

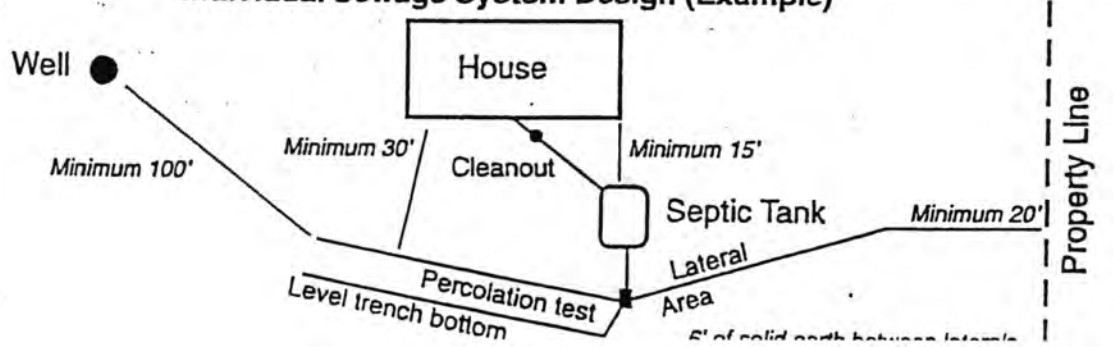
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: 34" wide 12" Tall
   or perforated pipe: ____
   Material: ☒ fiberglass ☐ plastic ☐ concrete
   ☐ other ____
2. Lateral lines: Number 3
   Length of each line: 116 ft. 149 ft.
   149 ft. ____ ft., ____ ft.
3. Trench dimensions: Width 40" ft.
   Slope FLAT in/100 ft.
   Average depth 32" in
4. Filter material: DIRT
   Depth of material 32 in.
5. Distances to: Well or suction line 100' ft.
   Stream 100' ft.
   Pressure line 100' ft.
   Property line 100 To 15' ft.

Indicate North with Arrow

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

Individual Sewage System Design (Example)



FORM 23-103 10-96

As Built Drawing

