Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

008305

(402) 441-8000

Permit: SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 05380310901

Issued 10/10/05
Expires 10/10/06
Revenue Code 3157

Establishment: CINDY & ROBERT ARIAS
T12N R6E SEC 14
LOT 12IT

FEES: $275.00

Permittee: CINDY & ROBERT ARIAS
1918 LAKE ST
LINCOLN NE 68502

TOTAL: $275.00

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

OCT 0 7 2005

A

Permit Number: 05380310901

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 _____ City _____ NE, Zip _____

(no rural route)

Legal Description 208 ~~Feet East of NW corner~~ Lot 12 I.T.
1/4 1/4 Section 14 Township 12N Range 6E 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 Cindy + Robert Arias Signature Cindy A Arias

Address 1918 Lake St. City/State/Zip Lincoln NE

☐ Check if owner designed system Home Phone 402-435-2202 Work Phone 202-5927

C. Contractor

Name Rezac Const. Company Name Rezac Const. Inc.

Address 140 N 1st City/State/Zip Lorca.

☐ Check if contractor designed system Work Phone 477-8844 cell 610-2746

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

Designer Name Lloyd J Jakubek Firm Raymond Co. In. Work Phone 890-6009.

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 10/10/05 Date frwd 10/10/05 ACTION ☒ Approved ☐ Disapproved Signature Jerrold C. Hoob
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd _____ Date frwd _____ ACTION ☒ Approved ☐ Disapproved Signature _____
3. **City or County Engineer** Date rec'd 10-10-05 Date frwd 10-10-05 ACTION ☒ Approved ☐ Disapproved Signature _____

2/3/06 Need drawing. D.C.H.

Installation Final Written Approval

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

Date FEBRUARY 7, 2006

Business Office Use Only

Date Rec'd 10/10/05
Amt Paid 275.00
Rec'd By _____ Cash/Check No. 27280

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

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OCT 0 7 2005

B

Permit Number: 05380309

Sewage Disposal System

Soil Absorption Test Data Report
Annex to Application

DAVID FORD

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address: 1ST + AGNEW (no rural route) City _____ NE, Zip _____

Owner _____ Address _____

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

Date of Tests 12/9/02 to 12/10/02 Weather: Precipitation SUNNY Temperature 40°

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	27	12/9	9 AM	12/10	9 AM	12/10	1230 PM	6	12/10	1 PM	30	1	1.00/30 = 30
2	27	12/9	9 AM	12/10	9 AM	12/10	1230 PM	6	12/10	1 PM	30	1 1/8	1.13/30 = 27
3	29	12/9	9 AM	12/10	9 AM	12/10	1230 PM	6	12/10	1 PM	30	1	1.00/30 = 30
4	27	12/9	9 AM	12/10	9 AM	12/10	1230 PM	6	12/10	1 PM	30	1 1/4	1.25/30 = 24
5	28	12/9	9 AM	12/10	9 AM	12/10	1230 PM	6	12/10	1 PM	30	1 1/2	1.50/30 = 20
6	29	12/9	9 AM	12/10	9 AM	12/10	1230 PM	6	12/10	1 PM	30	1 1/2	1.50/30 = 20

Person Conducting Percolation Tests

Name: STAN KROESE

Phone: 560 1209

Address: 7324 BALLARD LNK NE 68507

Sum of Percolation Rates: 151

Average of Rates: 25

Rate Used for Calculation: 25

4 Bedroom 1000/4 = 250' lateral
1,250 gallon tank
500 gallons per day

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

Signature of Reviewing Official _____ Date _____

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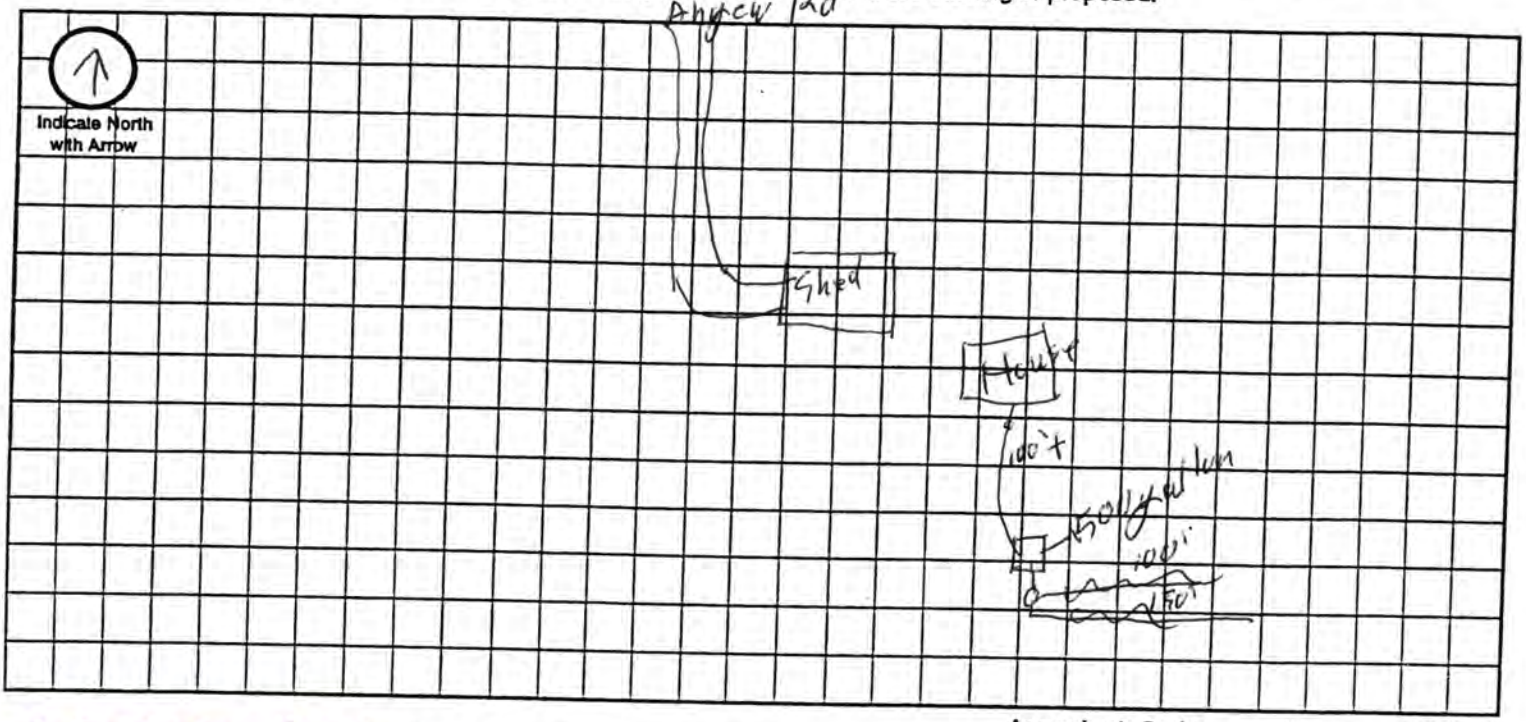
OCT 0 7 2005

C

Permit Number: 05380319

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) _____ City _____ NE, Zip _____

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ Plastic ☐ Other _____

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

Percolation Rate 25 (min. per inch) Soil Type: _____ Land Slope: 6%+ %

Type of Absorption System: ☒ Trench ☐ Bed ☐ Other 4 Bedroom

Total Square Feet of Field Required: 1000 sq. ft.

Type of Lateral: ☒ Half-Moon ☐ Perforated Pipe ☐ Other Lateral Material: H-10 STandard

Capacity of Septic Tank 1500 gals Number of Absorption Beds: 4 Number of Distribution Laterals per Bed _____

Total Length of Laterals 250 ft. Number of Trenches 2 Trench Width 40"

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 Mesa Date 10/7/05

Installer Lloyd G. Potter Date 10/7/05

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Phone: 402-441-8022

D

Permit Number:

Sewage Disposal System

As Built Plans & Specifications

Date 2/3/06 Arias

System Location (Indicate correct number and street)

Address 433 Agnew Rd (no rural route) City Ceresco NE, Zip 68017

A. Building Sewer

1. Material: class 40
   Diameter: 4 in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 29 in.
3. Distance between dwelling and septic tank: 103 ft.
4. Number of clean-outs: 2
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: 16" in.
8. Distances to: Well or suction line 100+ ft.
   Stream 100+ ft.
   Pressure line 100+ ft.
   Property line 100+ ft.

C. Distribution Box 2-D-Boxes.

1. Material: Plastic
   Number available outlets: 8
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 7' And 18' ft.

D. Absorption Field

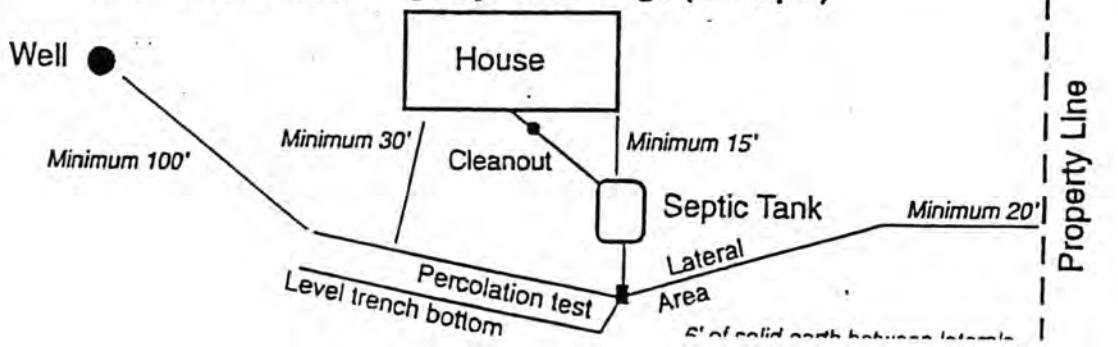
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: 24" wide 12" Tall
   or perforated pipe: _____
   Material: ☒ fiberglass ☐ plastic ☐ concrete
   ☐ other _____
2. Lateral lines: Number 2
   Length of each line: 128 ft. 124 ft.
   _____ ft. _____ ft., _____ ft.
3. Trench dimensions: Width 40" ft.
   Slope FLAT in/100 ft.
   Average depth 28" in
4. Filter material: DIRT
   Depth of material 28 in.
5. Distances to: Well or suction line 100 ft.
   Stream 100 ft.
   Pressure line 100 ft.
   Property line 100 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

