Lincoln-Lancaster County Health Department
Environmental Public Health Division
3140 N Street • Lincoln NE 68510-1514
Phone: 402-441-8643

APR 15 2014

A

Permit Number HS000890

Onsite Wastewater Treatment System
Request for Site Clearance and Permit

Include Form B and C. Submit correct fee with this Application

3 acres or more required for: ☒ Septic System ☐ Lagoon ☐ Other (Refer to Form C)

The undersigned hereby requests site clearance and permit to construct a Wastewater Treatment System in conformance with appropriate regulations.

PLEASE PRINT OR TYPE

A. Onsite System Location

Address 5230 N. 14th St (no rural route) City Lincoln, NE Zip 68521

Legal Description NW/SW 1 10N 6E Northhills 5th 1 7
(1/4 1/4 Section Township Range Subdivison Addition Block Lot)

PID 11-01-136-007-000

B. Owner

Name Danja Siders Signature Danja Siders

Address 4900 N. 14th St City/State/Zip Lincoln, NE 68521

Home Phone 402-304-1309 Work Phone

C. Certified Installer

Name: Lloyd Jakoubek, Raymond Contracting Inc Signature Ruie H. Johnson for Lloyd

Address 13800 NW 70th St City/State/Zip Raymond, NE 68428

Work Phone 402-840-6009

D. Engineer

☐ **Check and complete if engineer designed system** P.E. License Number:

Designer Name Firm Work Phone

E. This system will serve a

☒ Residential Dwelling Number of Bedrooms 3 Whirlpool Bathtub? ☐ Yes ☒ No Total Acres ☒ 6.14
Garbage Grinder? ☐ 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. 02-30

1. Health Department
Site visits Date rec'd **ACTION** ☐ Approved ☐ Disapproved
Date frwd Signature
Comments

2. Supt. Bldg. Insp. or Village Clerk
Comments Date rec'd **ACTION** ☐ Approved ☐ Disapproved
Date frwd Signature

3. City or County Engineer
Comments Date rec'd **ACTION** ☐ Approved ☐ Disapproved
Date frwd Signature

Installation Final Written Approval
By
Date

Business Office Use Only
Date Received 4-15-14 Amount Paid $345.00
Received By SB Cash/Check No. 8353

White - Health Department Yellow - Engineer Pink - Building & Safety

Form A Updated: 1/13

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

B

Permit Number: HS000890

Sewage Disposal System

Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 5230 N. 14th St (no rural route) City Lincoln NE, Zip 68521

Owner Agrinvest LLC Address 4900 N. 14th St Lincoln, NE 68521

Soil Type (SCS): silt loam / soil map says Pawnee Clay Percolation Rate: 8 min./inch

Date of Tests 4/10/2014 to 4/11/2014 Weather: Precipitation 0 Temperature 76°

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	25	4/10	1:30p	4/10	5:30p	4/11	2:20p	4	4/11	2:30p	10	1 13/16	5
2	25	"	"	"	"	"	"	"	"	"	"	2	5
3	24	"	"	"	"	"	"	"	"	"	"	1 3/4	6
4	22	"	"	"	"	"	"	"	"	"	"	1/2	20
5	22	"	"	"	"	"	"	"	"	"	"	1 3/8	7
6	24	"	"	"	"	"	"	"	"	"	"	1 1/2	7

Person Conducting Percolation Tests

Name: Terri L. Jablonek, Raymond Contracting, Inc.

Phone: 402-783-2103 or 402-890-3870

Address 13800 NW 70th St

Raymond, NE 68428 # C1198

Sum of Percolation Rates: 50

Average of Rates: 8

Rate Used for Calculation: 8

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

Signature of Reviewing Official _____ Date _____

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

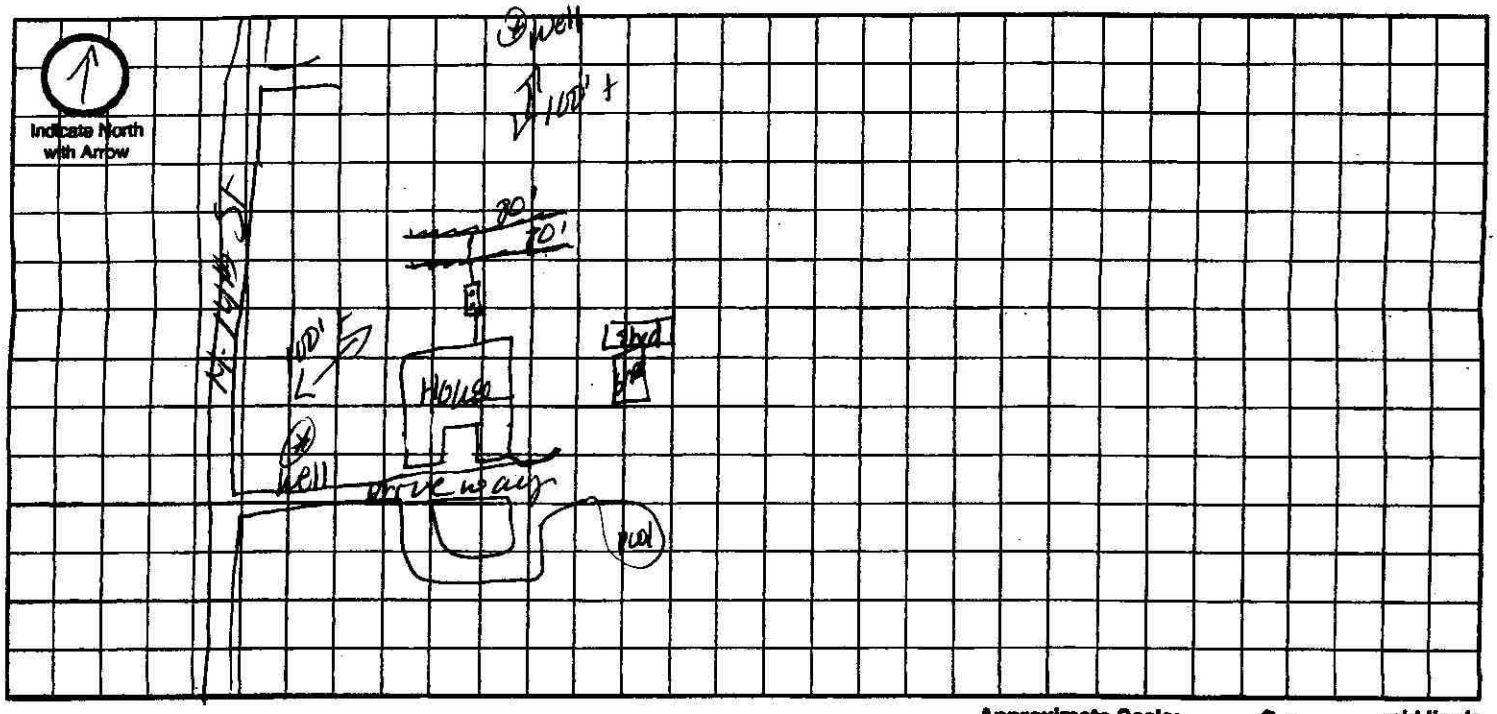
C

Permit Number: HS000890

Onsite Wastewater Treatment System

Preliminary Plan Specifications

Draw a plot plan showing onsite system sewer lines, drop of distribution boxes, tank, drainfields, percolation test holes, well, residence, direction of groundwater flow, property lines, and reserve area for replacement onsite system.



Approximate Scale: _____ ft. = _____ grid line/s

A. Onsite System Location

Address (no rural route) 5230 N. 14th St City Lincoln NE, Zip 68521

B. Proposed Septic Tank/s

Septic Tank Cap. 1,500 gals Tank Material: ☒ Concrete ☐ Plastic ☐ Other _____ ☐ Lagoon (Max. seepage 1/8" per day)

C. Reserve Area for Replacement Onsite System

☒ Drainfield Absorption Area (percolation test required) ☐ Lagoon (over sizing drainfield)

D. Drainfield Absorption System

Percolation Rate 8 (min/inch = mpi) No. of Bedrooms 3 Soil Type Silt loam Land Slope _____ %

☒ Trench ☐ Bed ☐ Non-Standard (engineer designed and NDEQ approved Total Square feet of drainfield 1040 sq.ft.

Total length of laterals 160 Type of distribution: ☐ Perforated pipe ☐ Half-Round ☒ Chamber ☐ Other

No. of absorption trenches 2 Width 40" No. of drop boxes 2 Distrubtion Box 6

No. of absorption beds _____ Width _____ No of Distribution lines per bed _____

E. 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 ☐	☐

F. Required Signatures

Home Building Contractor Existing Date _____

Installer Kurt L. Johnson Date 4/13/14

Lincoln-Lancaster County Health Department
Environmental Public Health Division (402) 441-8027
3140 N Street Lincoln, Nebraska 68510-1514

ON-SITE WASTE WATER SYSTEM
CONSTRUCTION - INSTALLATION PERMIT
No. HS000890

System Type: Standard

Situs: 5230 N 14 ST, LINCOLN, NE

Issued: 4/16/2014

Expires: 4/16/2015

Description: NORTH HILLS 5TH ADDITION, BLOCK 1, Lot 7

Owner: AGINVEST LLC
4900 N 14 ST
LINCOLN, NE 68521

Judith A Halstead
Judith A. Halstead, MS, Health Director

Dear Applicant:

The above document is your permit to construct a new On-site Waste Water System at the location listed. Please contact this office once the sytem is complete in order to schedule a final inspection before use.

Judith A Halstead
Judith A. Halstead, MS
Health Director

RAYMOND CONTRACTING
13800 NW 70TH ST
RAYMOND, NE 68428

LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT
LAGOON/SEPTIC INSPECTION REPORT

Permit No. H5000890 Certified Installer: Jakoubek

Address: 5230 N 14th

Circle compliance status for each item. **IN = in compliance OUT = not in compliance NA = not applicable NO = not observed**

LAGOON SETBACKS

COMMENTS

				Item	MIN. SETBACK DISTANCE – FT. (METERS)	
IN	OUT	NA	NO	Surface Wtr. Distance from Wtr. Mark	50 ft. (15.2 m)	
IN	OUT	NA	NO	Private Drinking Water Wells	100 ft. (30.5 m)	
IN	OUT	NA	NO	Public Drinking Water Supply Wells:		
IN	OUT	NA	NO	Non-Community	100 ft. (30.5 m)	
IN	OUT	NA	NO	Community	Evaluated by a professional engineer for potential impact on the well and submitted to the Dept. for approval l if less than 1000 ft. (304.8 m)	
IN	OUT	NA	NO	All Other Water Wells	100 ft. (152.4 m)	
IN	OUT	NA	NO	Water Lines:		
IN	OUT	NA	NO	Pressure Main	25 ft. (7.6 m)	
IN	OUT	NA	NO	Pressure-Service Connection	25 ft. (7.6 m)	
IN	OUT	NA	NO	Suction Line	100 ft. (30.5 m)	
IN	OUT	NA	NO	Property Lines	50 ft. (15.2 m)	
IN	OUT	NA	NO	Trees and Brush	50 ft. (15.2 m)	
IN	OUT	NA	NO	Foundations: (see definition above)		
IN	OUT	NA	NO	Except Neighbor's Foundation:		
IN	OUT	NA	NO	Class 1	100 ft. (30.5 m)	
IN	OUT	NA	NO	Class 2	100 ft. (30.5 m)	
IN	OUT	NA	NO	Class 3	50 ft. (15.2 m)	
IN	OUT	NA	NO	Neighbor's Foundation:		
IN	OUT	NA	NO	Class 1	200 ft. (61.0 m)	**Lagoon Dimensions:**
IN	OUT	NA	NO	Class 2	200 ft. (61.0 m)	
IN	OUT	NA	NO	Class 3	100 ft. (30.5 m)	

TANK AND SOIL ABSORPTION SYSTEM SETBACKS

COMMENTS

				Item	MIN. SETBACK DISTANCE – FT. (METERS) Tanks	Absorption, Infiltrative & Evaporative Systems	
IN	OUT	NA	NO	Surface Water	50 ft. (15.2 m)	50 ft. (15.2 m)	
IN	OUT	NA	NO	Private Drinking Water Wells	50 ft. (15.2 m)	100 ft. (30.5 m)	
IN	OUT	NA	NO	Public Drinking Water Supply Wells:			
IN	OUT	NA	NO	Non-Community System	50 ft. (15.2 m)	100 ft. (30.5 m)	
IN	OUT	NA	NO	Community System	500 ft. (152.4 m)	500 ft. (152. 4 m)	
IN	OUT	NA	NO	Community System when a septic system or soil absorption system of > 1000 gpd is proposed	500 ft. (152.4 m)	Evaluated by professional engineer for potential impact on the well and submitted to the Depart. for approval if less than 1000 ft.	
IN	OUT	NA	NO	All Other Water Wells	50 ft. (15.2 m)	100 ft. (30.5 m)	
IN	OUT	NA	NO	Water Lines:			
IN	OUT	NA	NO	Pressure-Main	10 ft. (3.1 m)	25 ft. (7.6 m)	
IN	OUT	NA	NO	Pressure-Service – Connection	10 ft. (3.1 m)	25 ft. (7.6 m)	
IN	OUT	NA	NO	Suction Lines	50 ft. (15.2 m)	100 ft. (30.5 m)	
IN	OUT	NA	NO	Property Lines	5 ft. (1.5 m)	5 ft. (1.5 m)	
IN	OUT	NA	NO	Parking area, driveway, sidewalk or other impermeable surface or cover	5 ft. (1.5 m)	5 ft. (1.5 m)	
IN	OUT	NA	NO	Foundations: (see definitions above)			
IN	OUT	NA	NO	Except Neighbor's Foundation:			
IN	OUT	NA	NO	Class 1	15 ft. (4.6 m)	30 ft. (9.1 m)	
IN	OUT	NA	NO	Class 2	10 ft. (3.1 m)	20 ft. (6.1 m)	**Septic Tank Size:** 1500
IN	OUT	NA	NO	Class 3	7 ft. (2.1 m)	10 ft. (3.1 m)	
IN	OUT	NA	NO	Neighbor's Foundation:			
IN	OUT	NA	NO	Class 1	25 ft. (7.6 m)	40 ft. (12.2 m)	**Lateral Sq. Footage:**
IN	OUT	NA	NO	Class 2	20 ft. (6.1 m)	30 ft. (9.1 m)	
IN	OUT	NA	NO	Class 3	15 ft. (4.6 m)	20 ft. (6.1 m)	

Inspected By: Doug Amick **Date:** 6/12/14

Lincoln-Lancaster County Health Department
Environmental Public Health Division
3140 N Street • Lincoln NE 68510-1514
Phone: 402-441-8643

APR 15 2014

SCANNED

A

Permit Number
HS000890

Onsite Wastewater Treatment System
Request for Site Clearance and Permit

Include Form B and C. Submit correct fee with this Application

3 acres or more required for: ☒ Septic System ☐ Lagoon ☐ Other (Refer to Form C)

The undersigned hereby requests site clearance and permit to construct a Wastewater Treatment System in conformance with appropriate regulations.

PLEASE PRINT OR TYPE

A. Onsite System Location

Address 5230 N. 14th St (no rural route) City Lincoln, NE Zip 68521

Legal Description NW/SW 1 10N 6E Nmnhills 5th 1 7
(1/4 | 1/4 | Section | Township | Range | Subdivison | Addition | Block | Lot)

PID 11-01-136-007-000

B. Owner

Name Danja Siders Signature Danja Siders

Address 4900 N. 14th St City/State/Zip Lincoln, NE 68521

Home Phone 402-304-1309 Work Phone

C. Certified Installer

Name: Lloyd Jakoubek, Raymond Contracting Inc Signature Ron L. Johnson for Lloyd

Address 13800 NW 70th St City/State/Zip Raymond, NE 68428

Work Phone 402-840-6609

D. Engineer

☐ **Check and complete if engineer designed system** P.E. License Number:

Designer Name Firm Work Phone

E. This system will serve a

☒ Residential Dwelling Number of Bedrooms 3 Whirlpool Bathtub? ☐ Yes ☒ No Total Acres 6.14
Garbage Grinder? ☐ 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. 02-38

1. Health Department
Site visits
Comments
Date rec'd 4/15/14
Date frwd 4/15/14
ACTION ☒ Approved ☐ Disapproved
Signature

2. Supt. Bldg. Insp. or Village Clerk
Comments
Date rec'd
Date frwd
ACTION ☐ Approved ☐ Disapproved
Signature

3. City or County Engineer
Comments
Date rec'd
Date frwd
ACTION ☐ Approved ☐ Disapproved
Signature

Installation Final Written Approval
By Doug Smith
Date 6/12/14

Business Office Use Only
Date Received 4-15-14 Amount Paid $345.00
Received By SB Cash/Check No. 8353

White - Health Department Yellow - Engineer Pink - Building & Safety

Form A Updated: 1/13

JUN 16 2014

D

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

Permit Number: HS0008940

Onsite Wastewater Treatment System

As Built Plans & Specifications

Date 6/12/2014 Legal Description NW SW 1/4 1/4 1-10N-6E Section Township Range

Onsite System Location

Address (no rural route) 5230 N 14th St City Lincoln NE, Zip 68521

Owner Dana Sides / AG Invest LLC Address 4900 N 14th St Lincoln, NE 68521

A. Sewer Pipe

1. Material: Clay Tile / SDR26
   Diameter: 4 in.
2. Distance above basement floor: ____ in.
   or distance below basement floor: 12 in.
3. Distance between dwelling and septic tank: 40 ft.
4. Number of clean-outs: one
5. Distances to: well or suction line 100 ft.
   stream 100 ft.
   pressure line 100 ft.
   property line 100 ft.

B. Septic Tank

☑ Label with Manufacturer, address and gallon capacity

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 in.
5. Inlet: ☑ baffle ☐ tee ☐ 6" dia. inspection pipe
6. Outlet: ☑ baffle ☐ tee ☐ 6" dia. inspection pipe
7. Depth to top of tank, below unfinished grade: 18-12 in.
8. Distances to: Well or suction line 100 ft.
   Stream 100 ft.
   Pressure line 100 ft.
   Property line 100 ft.

C. ☐ Distribution Box ☑ Drop Boxes

(≥ 12" inspection opening) (removable lid to inspect)

1. Material: 2 End cmp Switch Box Plastic
   Number available outlets: 2 per cmp
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: 134 9' ft.

D. Drainfield Absorption

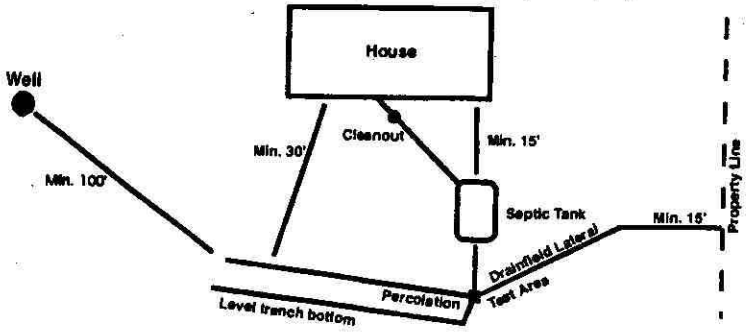
☑ Trench ☐ Bed ☐ Level Bottom

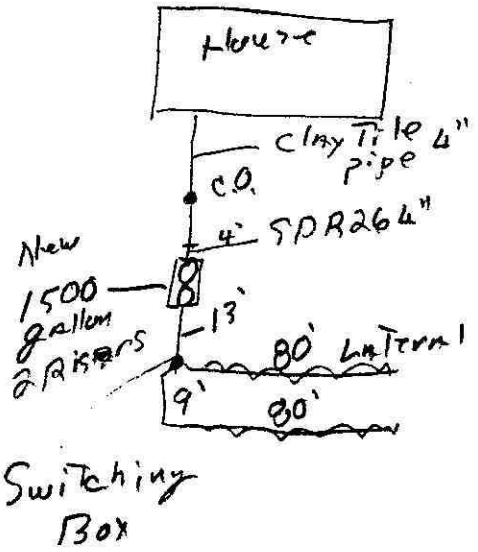
1. Type: ☐ Half rounds ☐ Perforated pipe ☐ Chambers
   Diameter or width: ____
   Number of distribution lines in bed ____
   Material: ☐ fiberglass ☑ plastic ☐ concrete
   ☐ other ____
2. Drainfield Laterals: Number 2
   Length of each line: 80 ft. 80 ft.
   ____ ft. ____ ft., ____ ft.
3. Drainfield dimensions: Width 40" ft.
   Distribution Pipe Slope FLAT in/100 ft.
   Average depth 36-26 in
4. Filter material: Soil
   Depth of material 36-26 in.
5. Distances to: Well or suction line 100 ft.
   Pressure line 100 ft.
   Property line 100 ft.
   House or building 100 ft.
   Lake or Stream 100 ft.

Complete As-Built drawing on the back fo this form.

Onsite Wastewater System Design (Example)

Indicate North with Arrow





N

well
200+

6/2/2014

Raymond Contracting, Inc.
Lloyd J Jakoubek
13800 NW 70th St
Raymond, NE 68428
402-783-2663