Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

007818

(402) 441-8000

Permit: SEWAGE INSTALLATION
SEPTIC SYSTEM

Establishment: STEVEN L HARMS
T10N R7E SEC 13 QTR SW
80 ACRES
2210 N 98 ST

Permittee: STEVEN L HARMS
2210 N 98 ST
LINCOLN NE 68505-9405

Permit # 05380303301

Issued 06/01/05
Expires 06/01/06
Revenue Code 3157

FEES: $200.00

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

A

Permit Number: 05380303301

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 2210 North 98th Street (no rural route) City Lincoln NE, Zip

Legal Description SW¼ 13 10N 7E 63.68 acres Lots 22+23
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 Steve (Kim) Harms Signature Kim R Harms

Address 2210 N 98th City/State/Zip Lincoln Nebr

☐ Check if owner designed system Home Phone 489-9956 Work Phone 402-770-9083

C. Contractor

Name Doug LoFtus Company Name LoFtus Septic

Address 410 CO RD C City/State/Zip Ashland Nebr 68003

☐ Check if contractor designed system Work Phone 402-522-0060 Pager

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

Designer Name Firm Work Phone

E. This System Will Serve a

☒ Residential Dwelling Number of Bedrooms 2 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 5-22-05	Date rec'd 6/1/05 Date frwd 6/6/05	ACTION ☒ Approved ☐ Disapproved Signature Jerrold C. Hood	
2. Supt. Bldg. Insp. or Village Clerk	Date rec'd 6-6-05 Date frwd 6-6-05	ACTION ☒ Approved ☐ Disapproved Signature	
3. City or County Engineer	Date rec'd 6/2/05 Date frwd 6/2/05	ACTION ☒ Approved ☐ Disapproved Signature	

Installation Final Written Approval

By

Date 3/23/2007

System is installed 3/23/07. Installation inspected by Ron M. per Doug LoFtus.

Business Office Use Only
Date Rec'd 06/02/05
Amt Paid 200.00
Rec'd By Cash/Check No. 9266

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: 053803033

Sewage Disposal System

Soil Absorption Test Data Report

Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address New house City Lincoln NE, Zip 68516
(no rural route)

Owner Steve Harms Addresss 2200 North 98th Street

Soil Type (SCS): clay Percolation Rate: 53.33 min./inch

Date of Tests 8-13-04 to 8-14-04 Weather: Precipitation 0 Temperature 80's

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	24in	8-13	9 AM	8-13	1:00	8-14	11:00 AM	6	8-14	11:30	30	.50	60
2	24in	8-13	MAINTAIN			8-14	11:05	6	8-14	11:35	30	.50	60
3	24	8-13	12 inches			8-18t	11 10	6	8-14	11:40	30	50	60
4	24	8-13	FOR 4 hrs			8-14	11 15	6	8-14	1145	30	.50	60
5	24	8-13	ALL holes			8-14	1120	6	8-14	1150	30	.75	40
6	24	8-13				8-14	11:25	6	8-14	11:55	30	.75	40

Sum of Percolation Rates: 320
Average of Rates: 53.33
Rate Used for Calculation:

Person Conducting Percolation Tests

Name: Doug Loftis
Phone: 402 944-7636
Address 410 CO RD C
Ashland Nebr 68003

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks

Signature of Reviewing Official Date

FORM 23-101 10-96

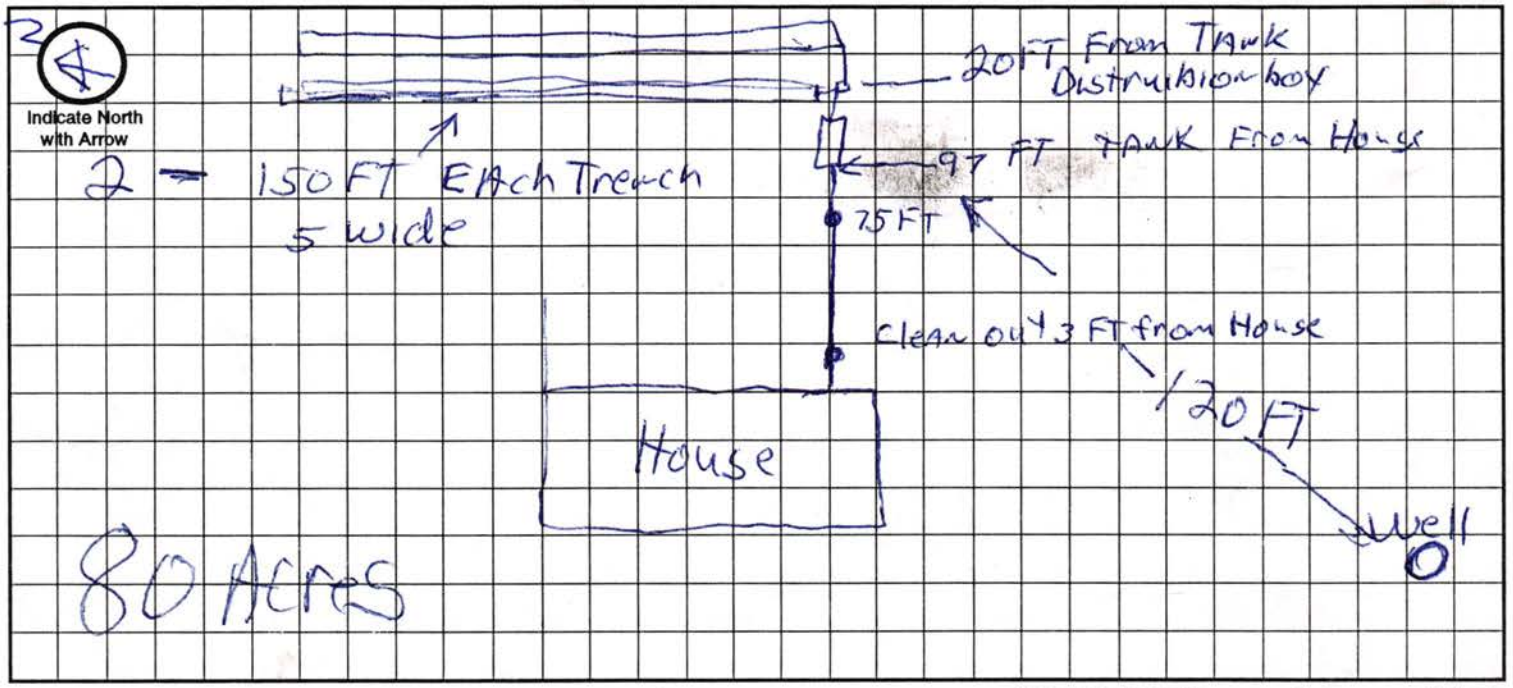
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

C

Permit Number: 053803033

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) 2210 N 98th City Lincoln NE, Zip _____

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ Plastic ☐ Other _____

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

Percolation Rate 53.33 (min. per inch) Soil Type: clay Loamy Land Slope: _____ %

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

Total Square Feet of Field Required: 1050 sq. ft.

Type of Lateral: ☐ Half-Moon ☐ Perforated Pipe ☒ Other Lateral Material: Infi/trator

Capacity of Septic Tank 1750 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed 150 FT Each

Total Length of Laterals 300 ft. Number of Trenches 2 Trench Width 5

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 Kyni R Hamm Date 5-27-05

Installer Doyle Hoff Date 5-27-05

FORM 23-102 10-96

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

D

Permit Number: 053803033

Sewage Disposal System

As Built Plans & Specifications

Date 5-26-05

System Location (Indicate correct number and street)

Address 2210 N 98th Street (no rural route) City Lincoln NE, Zip 68

A. Building Sewer

1. Material: Plastic PVC Sch 40
   Diameter: 4 in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: _____ in.
3. Distance between dwelling and septic tank: 97 ft.
4. Number of clean-outs: 2
5. Distances to: well or suction line over 100 ft.
   stream NA ft.
   pressure line over 100 ft.
   property line ½ mile ft.

B. Septic Tank

1. Material: Concrete
   Number of compartments: 2
2. Capacity: 1750 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter 12 in.
   Over outlet, diameter 12 in.
   Riser: ☒ above ☐ below grade 12 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 115 ft.
   Stream NA ft.
   Pressure line NA ft.
   Property line 1000 ft.

C. Distribution Box

1. Material: Plastic
   Number available outlets: 8
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 20 FT ft.

D. Absorption Field

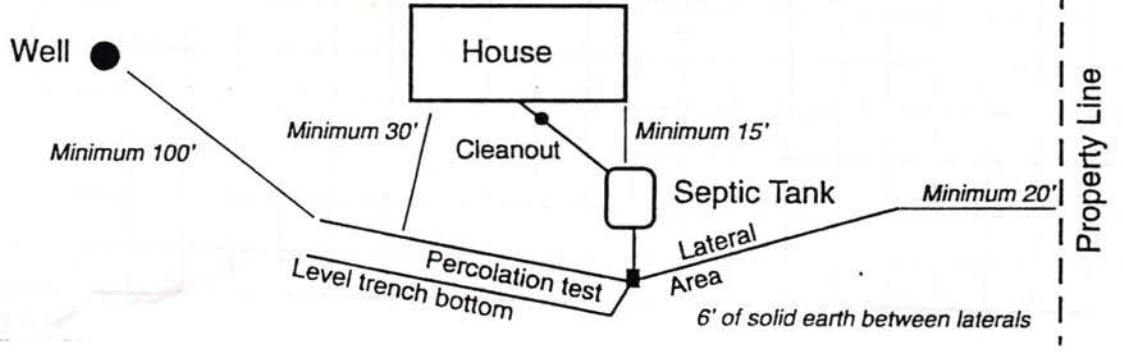
(Provide as-built drawings on back of this form)

1. Type: ☐ Half rounds ☐ Perforated pipe
   Diameter of half round: 3 ft wide
   or perforated pipe: _____
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other Infiltrator
2. Lateral lines: Number 2
   Length of each line: 150 ft. 150 ft.
   _____ ft. _____ ft., _____ ft.
3. Trench dimensions: Width 4 ft.
   Slope _____ in/100 ft.
   Average depth 36 in
4. Filter material: Pea Gravel
   Depth of material _____ in.
5. Distances to: Well or suction line 130 ft.
   Stream NA ft.
   Pressure line 130 ft.
   Property line ½ mile 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

