Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

003320

(402) 441-8000

Permit

SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 04380277101

Issued 01/22/04
Expires 07/21/04
Revenue Code 3157

Establishment

DEREK S SCHMID
T9N R5E SEC 20
LOT 19IT
124TH & W SPRING RD

FEES: $200.00

Permittee

HOMESTEAD LOG HOMES
15900 S 54 ST
ROCA NE 68430

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: 04380277101

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 12724 + W. Spring Rd (no rural route) City Denton NE, Zip 68339

Legal Description T9NR5E S20 (1/4 1/4 Section Township Range) Subdivision Addition Block 19 Lot I.T.

Geographical Location (if known): Longitude _____ Latitude _____

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

B. Owner

Name Derek S. Schmid Signature Derek S Schmid

Address 12724 + W Spring Rd City/State/Zip Denton Ne. 68339

☐ Check if owner designed system Home Phone 489-2621 Work Phone 489-2021

C. Contractor

Name Dave Fairbanks Company Name Homestead Log Homes

Address 15900 S 54 St City/State/Zip Roca Ne 68430

☐ Check if contractor designed system Work Phone 499-9752

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

#0024 + NDEQ P1178

Designer Name Brad Southwick Firm Southwick Sewer Work Phone 430-7606 475-2462

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** Date rec'd 1/21/04 Date frwd 1/23/04 ACTION ☒ Approved ☐ Disapproved Signature Jerrold C. Hood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 1-14-04 Date frwd ~~1-15-04~~ 1-23-04 ACTION ☒ Approved ☐ Disapproved Signature
3. **City or County Engineer** Date rec'd 1-23-04 Date frwd 1-23-04 ACTION ☒ Approved ☐ Disapproved Signature Jim Plouzek

9/7/04 Line to truck

Installation Final Written Approval

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

Date SEPTEMBER 20, 2004

Business Office Use Only

Date Rec'd 01/22/04
Amt Paid 200.00
Rec'd By LO ~~Cash~~/Check No. 3949

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

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

B

Permit Number: 04380277 1

Sewage Disposal System

Soil Absorption Test Data Report

Annex to Application

PLEASE PRINT OR TYPE

T9 R5E SEC 19

System Location (Indicate correct number and street)

Address 130th + W. Spring Rd. City Denton NE, Zip 68339
(no rural route)

Owner Derek Schmid Addresss 1351 S 37

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

Date of Tests 2/20/03 to 2/21/03 Weather: Precipitation — Temperature 40s

Percolation Test Data Table

A.	B.	C. D. Pre-Saturation Period		E. F.		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	36	2/20	9:30	2/21	8:00	2/21	9:15	31 1/4	2/21	9:45	30	5/8	48
2			AM		AM		AM	28 3/4		AM		1/2	60
3								24 1/8				1/2	60
4								27				1/2	60
5								30 5/8				5/8	48
6								24 7/8				1/2	60
7	OH							22 1/4				3/8	

Person Conducting Percolation Tests

Name: Brad Smithmier
Phone: 475-2462
Address 17201 S 72nd St.
Hickman, Ne 68372

Sum of Percolation Rates: 336
Average of Rates: 56
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
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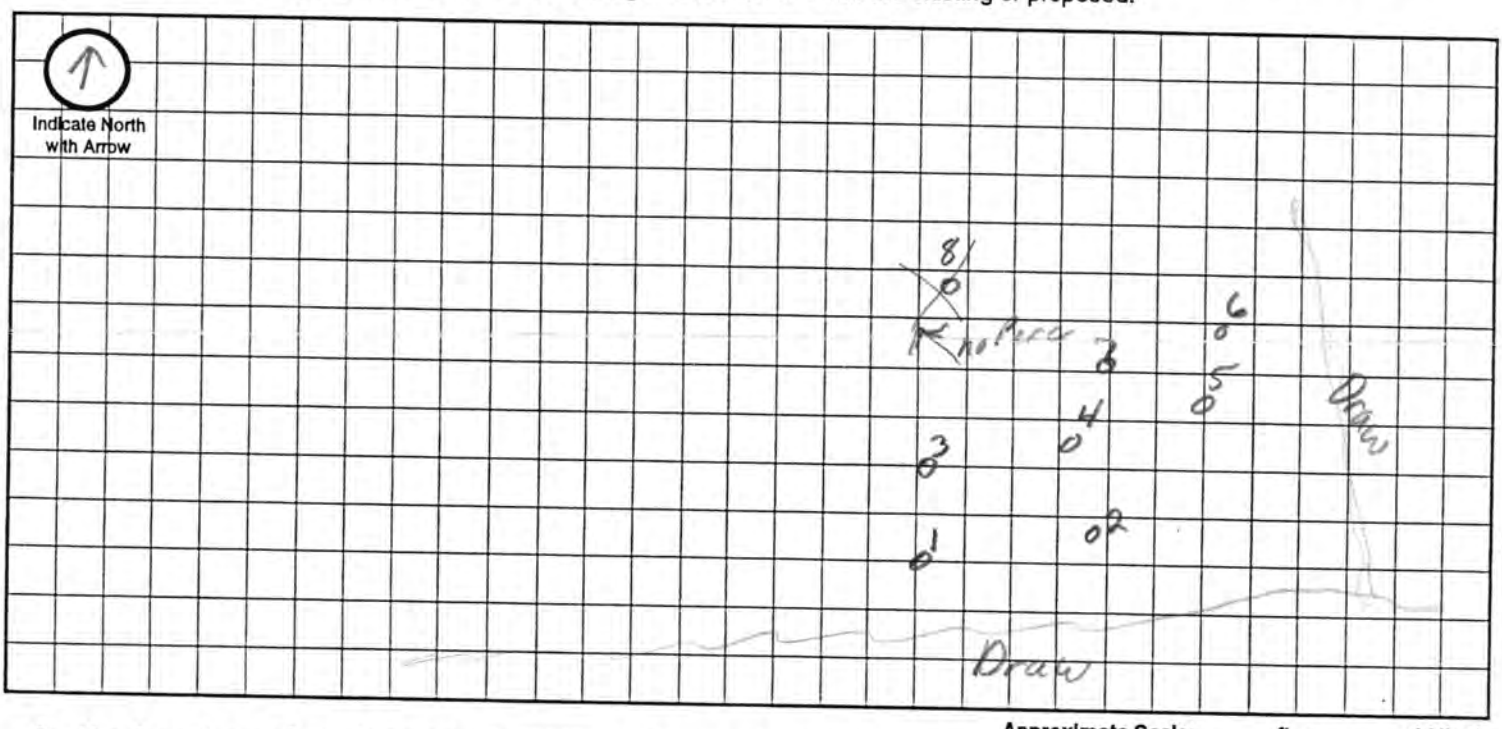
C

Permit Number: 04380 2771

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) 130 Th W. Spring Rd. City Denton NE, Zip 68339

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: WTC / SHC Land Slope: 6 %

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

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

Type of Lateral: ☐ Half-Moon ☐ Perforated Pipe ☒ Other Lateral Material: ADS - BioDiffuser

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

Total Length of Laterals 175 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 1/14/04

Installer _____ Date 1/7/04

FORM 23-102 10-96 room for either Septic System or Sewage Lagoon

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D

Permit Number:

Sewage Disposal System

As Built Plans & Specifications

Date 9-20-04

System Location (Indicate correct number and street)

Address 12560 W. Spring Rd. (no rural route) City Denton NE, Zip 68339

A. Building Sewer

1. Material: PVC Sch 40.
   Diameter: 4 in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 11 in.
3. Distance between dwelling and septic tank: 102 ft.
4. Number of clean-outs: 2
5. Distances to: well or suction line >50 ft.
   stream N/A ft.
   pressure line >30 ft.
   property line >20 ft.

B. Septic Tank

1. Material: Snyder Plastics
   Number of compartments: 1
2. Capacity: 1,000 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter 18 in.
   Over outlet, diameter 18 in.
   Riser: ☐ above ☐ below grade _____ in.
5. Inlet: ☐ baffle ☒ tee
6. Outlet: ☐ baffle ☒ tee
7. Depth to top of tank, below unfinished grade: 8 in.
8. Distances to: Well or suction line >50 ft.
   Stream N/A ft.
   Pressure line >50 ft.
   Property line >20 ft.

C. Distribution Box

1. Material: PVC
   Number available outlets: 5
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: _____ ft.

D. Absorption Field

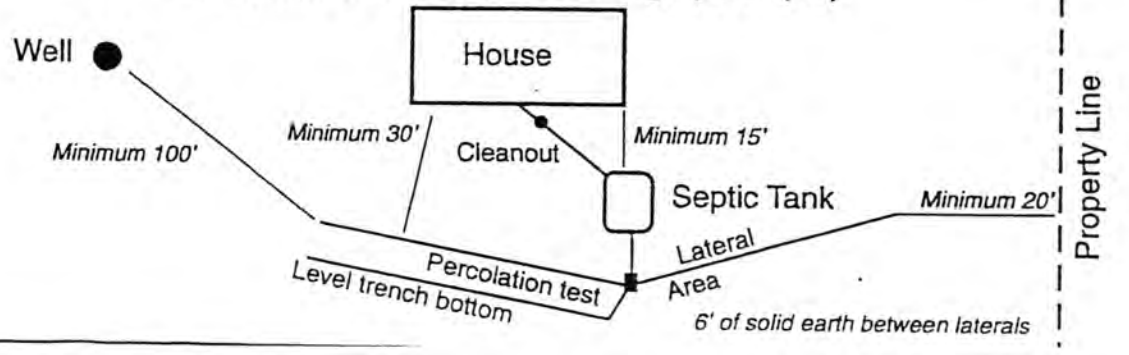
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: 36
   or perforated pipe: _____
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other HIO Infiltrator
2. Lateral lines: Number 2
   Length of each line: 100 ft. 100 ft.
   _____ ft. _____ ft. _____ ft.
3. Trench dimensions: Width 4 ft.
   Slope _____ in/100 ft.
   Average depth 28 in
4. Filter material: Gravelless H-10
   Depth of material _____ in.
5. Distances to: Well or suction line >100 ft.
   Stream >50 ft.
   Pressure line >30 ft.
   Property line >20 ft.

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

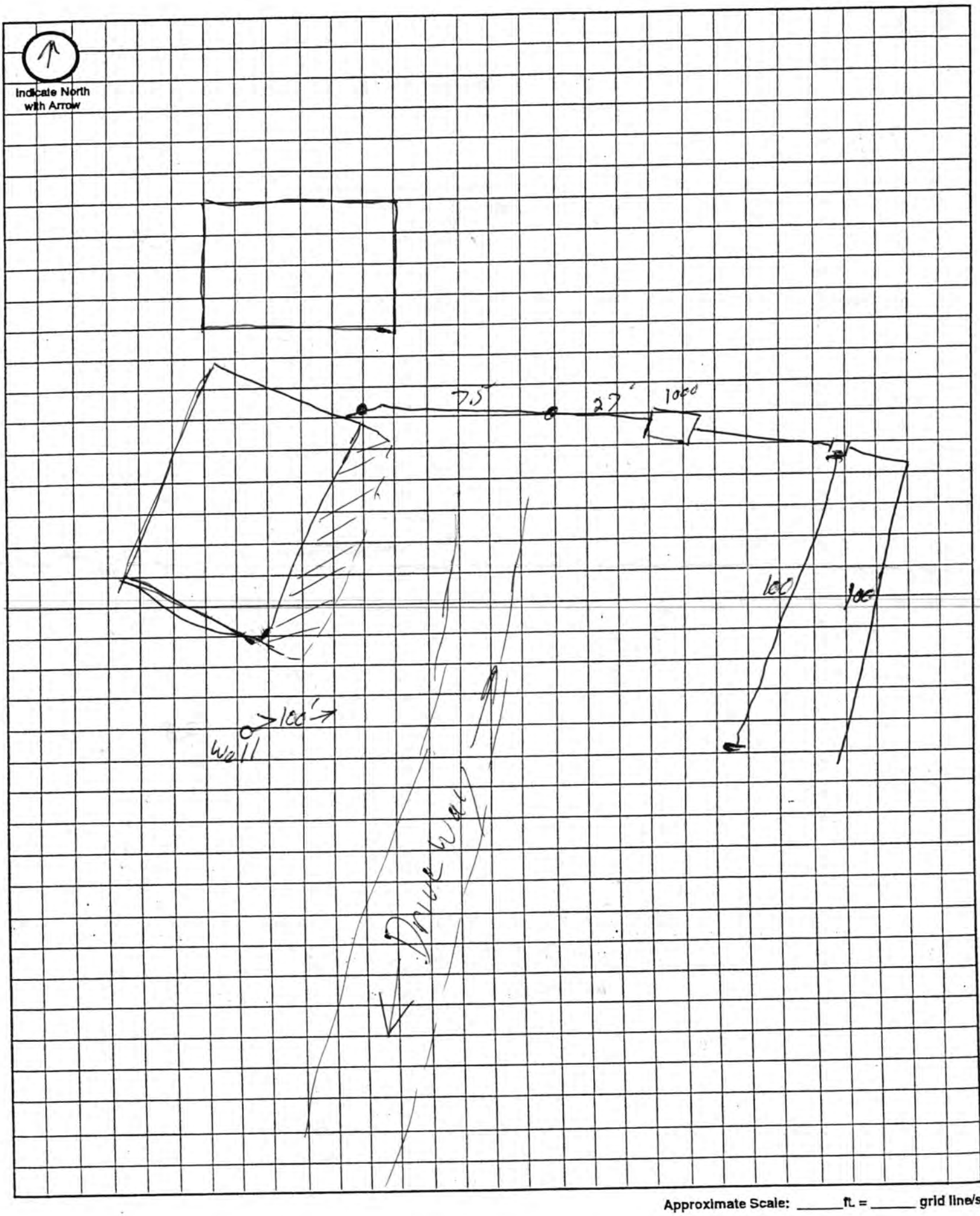
Indicate North with Arrow

Individual Sewage System Design (Example)



FORM 23-103 10-96

As Built Drawing



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