Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

002779

(402) 441-8000

Permit: SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 03380265501

Issued 06/09/03
Expires 12/09/03
Revenue Code 3157

Establishment: DAN ROOT
T9N R8E SEC 1 QTR NE
LOT 7IT
18727 VAN DORN-EAGLE

FEES: $200.00

Permittee: DAN ROOT
18727 VAN DORN ST
EAGLE NE 68347

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: 03380265501

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 18727 Van Dorn (no rural route) City Eagle NE, Zip 68347

Legal Description NE 1/4 | 1/4 Section 9N Township 8E Range ____ Subdivision ____ Addition ____ Block ____ Lot T.I.

Geographical Location (if known): Longitude ____ Latitude ____

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

B. Owner

Name Dan Root Signature ____

Address 18727 Van Dorn City/State/Zip Eagle Ne 68347

☐ Check if owner designed system Home Phone 781-2404 Work Phone 430-7730

C. Contractor

Name Brad Southwick Company Name ____

Address 17201 So 72nd City/State/Zip Hickman, Ne 68347

☒ Check if contractor designed system Work Phone ____

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 3 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 6/9/03 Date frwd 6/9/03 ACTION ☒ Approved ☐ Disapproved Signature Jerrold C. Wood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 6/11/03 Date frwd 6/11/03 ACTION ☒ Approved ☐ Disapproved Signature ____
3. **City or County Engineer** Date rec'd 6-9-03 Date frwd 6-9-03 ACTION ☒ Approved ☐ Disapproved Signature Jim Plough

6/10/03 J.C.H. Need drawing. J.C.H.
6/9/03 ~~SEWER PARTIAL ONLY~~ J.C.H.

Installation Final Written Approval

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

Date JANUARY 14, 2004

Business Office Use Only

Date Rec'd 6/9/03
Amt Paid $200.00
Rec'd By ____ Cash/Check No. 5123

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: 03802655

Sewage Disposal System

Soil Absorption Test Data Report

Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 18727 VAN DORN STREET (no rural route) City Eagle NE, Zip 68347

Owner Dan Root Addresss

Soil Type (SCS): SHARPSBURG SILTY CLAY LOAM Percolation Rate: 27 min./inch

Date of Tests 4-14 to 4-15-03 Weather: Precipitation Temperature

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	30	4/14	6:30	4/15	5:00	4/15	6:50	5 1/4	4/15	7:20	30	1	30
2			PM		PM		PM	6 3/8		PM		1 1/8	27
3								5 7/8				1 1/2	20
4								5 1/8				1 3/8	23
5								5				1 3/8	23
6								4 3/4				1	30
7								6				1	30

Person Conducting Percolation Tests

Name: Brad Southwick

Phone: 430-7606

Address 17201 So 72nd st
Hickman, Ne 68372

Sum of Percolation Rates: 183

Average of Rates: 27

Rate Used for Calculation: 30

1,000 Gallon Septic Tank 3 Bdrm
187.5' (200') of 4' wide Seepage area

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks

Signature of Reviewing Official: Jerrold C. Hood Date: JUNE 9, 2003

FORM 23-101 10-96

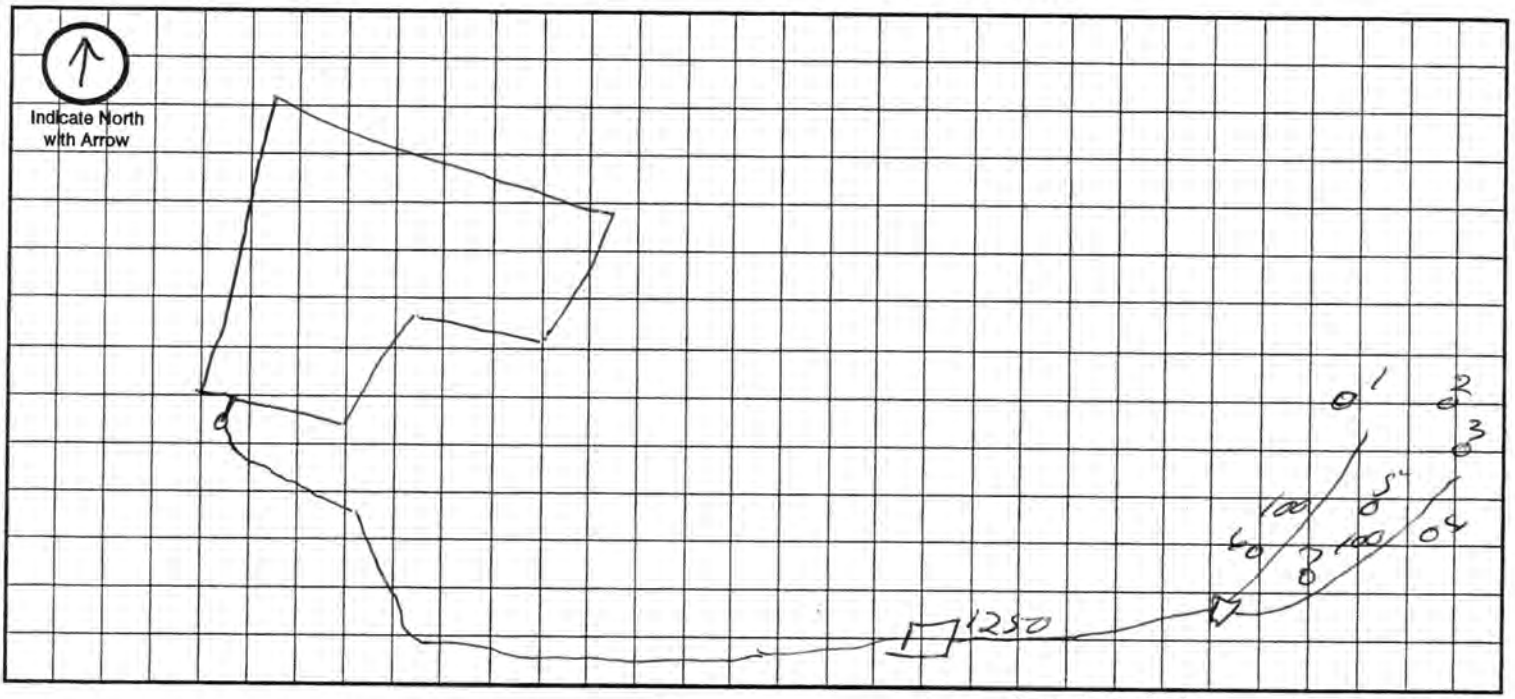
Lincoln-Lancaster County Health Department
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Phone: 402-441-8022

C

Permit Number: 033802655

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) 18727 Van Dorn City Eagle Ne ~~68~~ NE, Zip 68347

B. Proposed Septic Tank/s

Tank Material: ☐ Concrete ☒ Plastic ☐ Other _____

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

Percolation Rate 30 (min. per inch) Soil Type: SHC Land Slope: _____ %

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

Total Square Feet of Field Required: 750 sq. ft.

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

Capacity of Septic Tank 1250 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals 200 ft. Number of Trenches 2 Trench Width 3

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 _____

Installer Brad Smith Date 6-8-03

FORM 23-102 10-96

J

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D

Permit Number: 033802655

Sewage Disposal System

As Built Plans & Specifications

Date 6-10-03

Dan Root

System Location (Indicate correct number and street)

Address 18727 Van Dorn St. (no rural route) City Eagle NE, Zip 68347

20+ Acres

A. Building Sewer

1. Material: Sch 40 PVC
   Diameter: 4 in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 16 in.
3. Distance between dwelling and septic tank: 210 ft.
4. Number of clean-outs: 3
5. Distances to: well or suction line NA ft.
   stream NA ft.
   pressure line >25 ft.
   property line _____ ft.

B. Septic Tank

1. Material: Plastic (Snyder Ind)
   Number of compartments: 1
2. Capacity: 1250 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter 16 in.
   Over outlet, diameter 16 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 NA ft.
   Stream >50 ft.
   Pressure line >35 ft.
   Property line >50 ft.

C. Distribution Box

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

D. Absorption Field

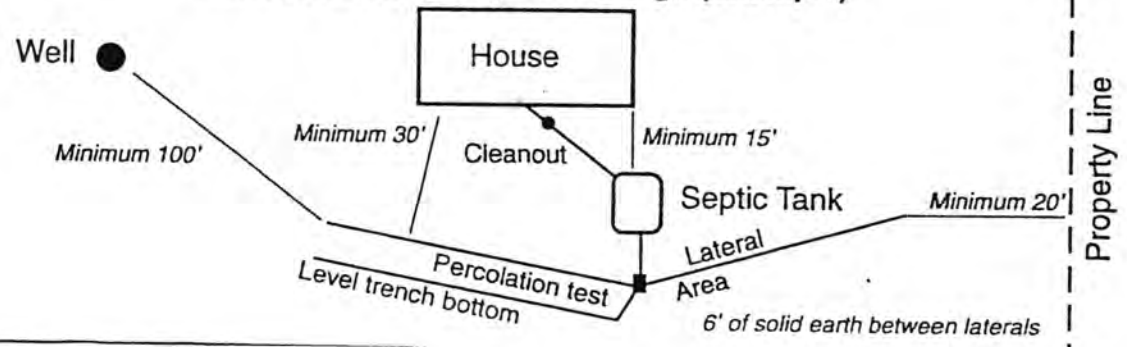
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: 36" Bioditfuser
   or perforated pipe: _____
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other _____
2. Lateral lines: Number 2
   Length of each line: 101 ft. 90 ft.
   _____ ft. _____ ft., _____ ft.
3. Trench dimensions: Width 3 ft.
   Slope 6 in/100 ft.
   Average depth 33 in
4. Filter material: Gravelless
   Depth of material _____ in.
5. Distances to: Well or suction line NA ft.
   Stream >50 ft.
   Pressure line >35 ft.
   Property line >50 ft.

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

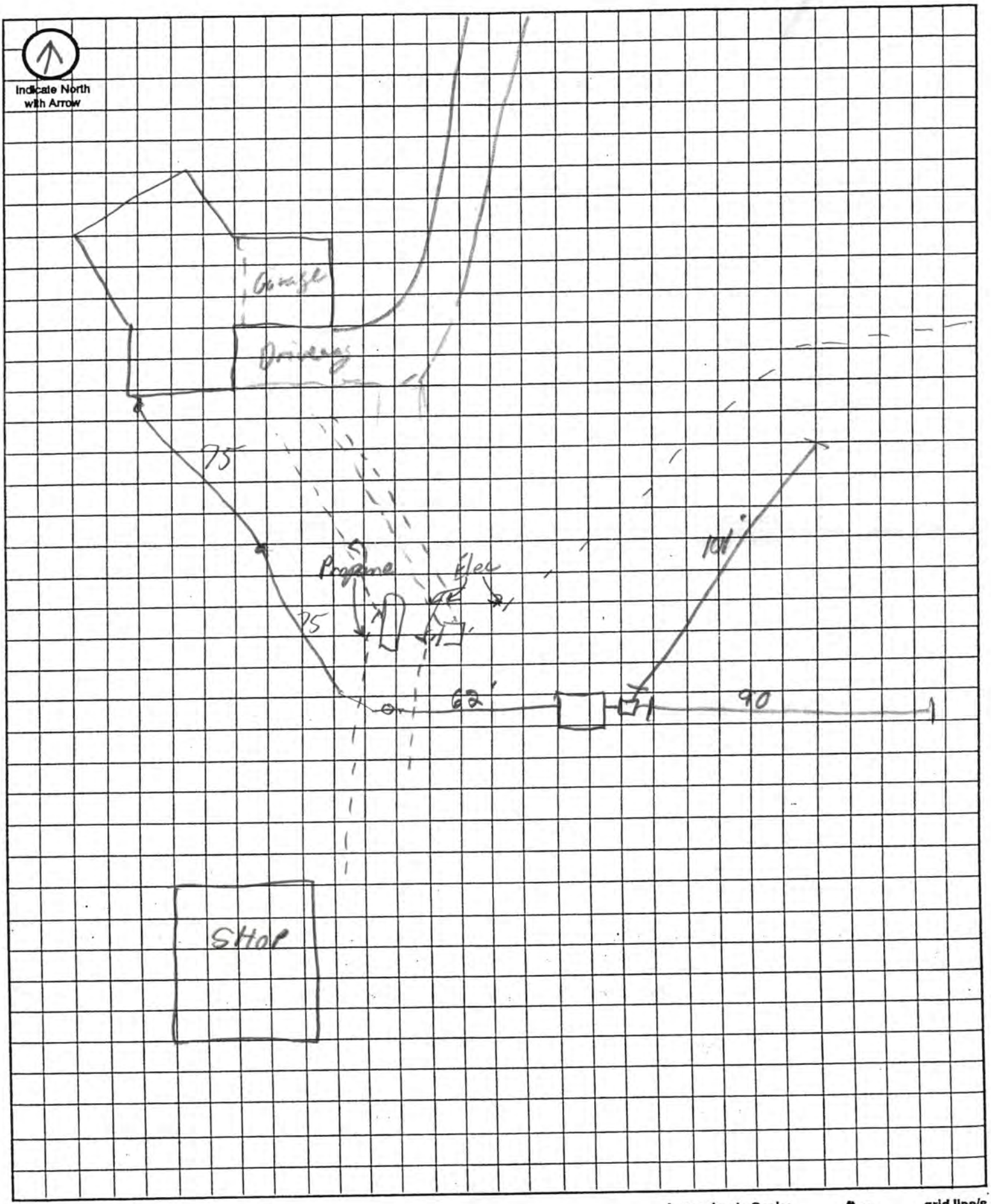
Indicate North with Arrow

Individual Sewage System Design (Example)



FORM 23-103 10-96

As Built Drawing



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