Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

007857

(402) 441-8000

Permit: SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 05380303601

Issued 06/08/05
Expires 06/08/06
Revenue Code 3157

Establishment: DALE TILLER
T11N R7E SEC 15 QTR SE
NE1/4 OF SE1/4-26ACR
11223 N 84 ST

FEES: $200.00

Permittee: DALE TILLER
6200 N 14 ST
LINCOLN NE 68521

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

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A

Permit Number: 05380303601

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 11223 N 84 (no rural route) City LINCOLN NE, Zip 68517

Legal Description NE of SE 15 11N 7E 26 ACRES
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 Dale Tiller Signature _____

Address N14 City/State/Zip LINCOLN, Ne 68521

☐ Check if owner designed system Home Phone _____ Work Phone _____

C. Contractor

Name Brad Southwick Company Name Southwick Sewer & Drain

Address 17201 So 72nd St. City/State/Zip HICKMAN NE 68372

☒ Check if contractor designed system Work Phone 430-7606

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 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 6/8/05 Date frwd 6/8/05 ACTION ☒ Approved ☐ Disapproved
6-8-05 jm Signature Jerrold C. Hood

2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 6-9-05 Date frwd 6-9-05 ACTION ☒ Approved ☐ Disapproved
Signature _____

3. **City or County Engineer** Date rec'd 6-9-05 Date frwd 6-9-05 ACTION ☐ Approved ☐ Disapproved
Signature _____

Inspected in June 2005 by Ron Marquis

Installation Final Written Approval

By Doug Smith

Date 5/4/06

Business Office Use Only

Date Rec'd 6/8/05

Amt Paid $200.00

Rec'd By _____ Cash/Check No. 1090

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

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Environmental Health Division
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B

Permit Number: 05380336

Sewage Disposal System

Soil Absorption Test Data Report

Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 11223 N 84 (no rural route) City Lincoln NE, Zip 68517

Owner B.C. Homes Addresss N. 84 Lincoln, Ne 68517

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

Date of Tests 3/10 to 3/11 Weather: Precipitation _____ 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	36	3/10	12:00	3/11	11:45	3/11	1:05	32 5/8	3/11	1:35	30	7/8	34
2	36		P					27 1/8				1	30
3	36							25 3/4				5/8	48
4	39							35 7/8				7/8	34
5	36							29 1/4				7/8	34
6	39							29 3/4				7/8	34

Person Conducting Percolation Tests

Name: Brad Southwick
Phone: 430-7606
Address 17201 So 72nd
Hickman, Ne 68372

Sum of Percolation Rates: 214
Average of Rates: 37
Rate Used for Calculation: 40

4 Bdrm Home 1250 gallon S. tic Tank
275' Into Heat for Lateral

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
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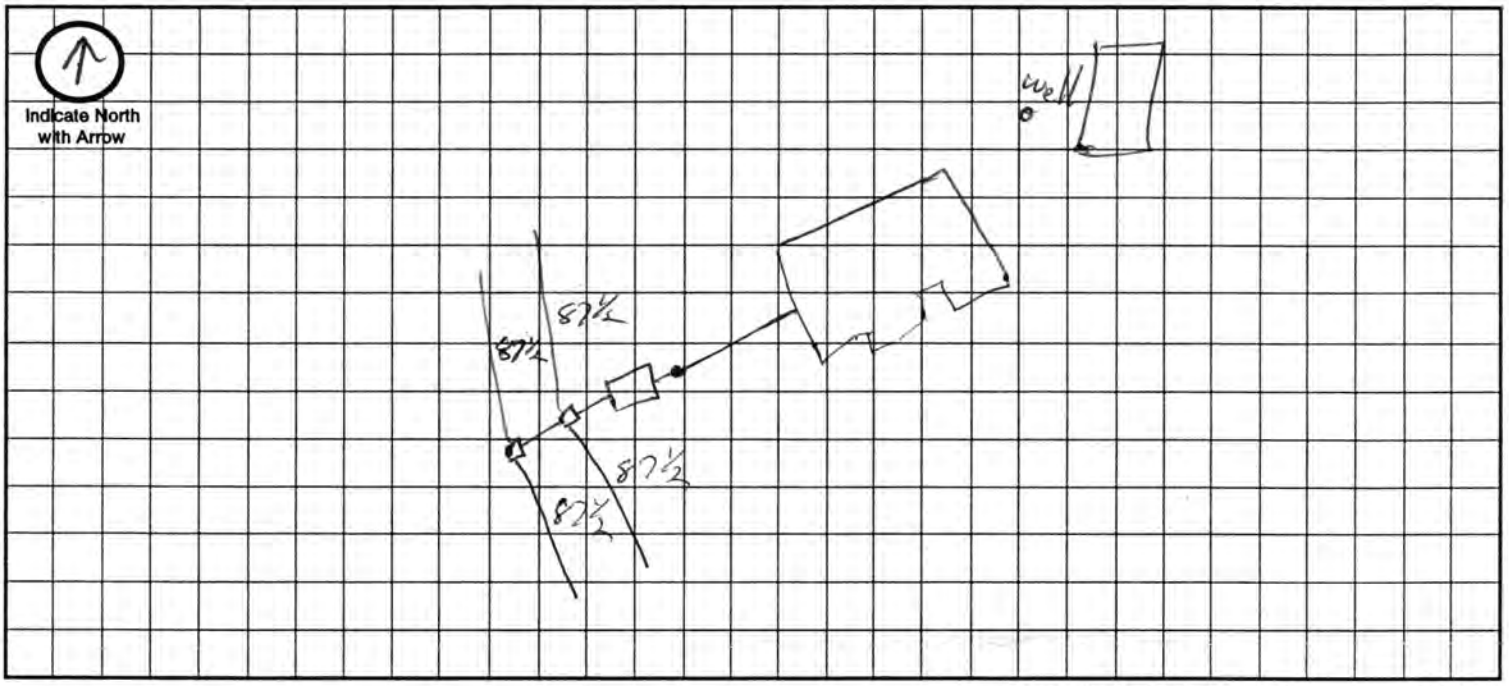
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C

Permit Number: 05380303G

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) 11223 N. 84 City LINCOLN NE, Zip 68517

B. Proposed Septic Tank/s

Tank Material: ☐ Concrete ☒ Plastic ☐ Other _____

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

Percolation Rate 40 (min. per inch) Soil Type: SHC/SUC Land Slope: _____ %

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

Total Square Feet of Field Required: 1100 sq. ft.

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

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

Total Length of Laterals 265 ft. Number of Trenches _____ Trench Width _____

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 B&C Homes Date _____

Installer _____ Date 6-7-05

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: 053803036

Sewage Disposal System

As Built Plans & Specifications

Date 6-8-05 Dale Tiller

System Location (Indicate correct number and street)

Address 11223 N. 84 (no rural route) City LINCOLN NE, Zip 68517

A. Building Sewer

1. Material: PVC Sch 40
   Diameter: 4 in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 36 in.
3. Distance between dwelling and septic tank: 75 ft.
4. Number of clean-outs: 1
5. Distances to: well or suction line > 50 ft.
   stream NA ft.
   pressure line NA ft.
   property line > 20 ft.

B. Septic Tank

1. Material: Plastic (Fralo)
   Number of compartments: 1
2. Capacity: 1250 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter 24 in.
   Over outlet, diameter 24 in.
   Riser: ☐ above ☐ below grade _____ in.
5. Inlet: ☐ baffle ☒ tee
6. Outlet: ☐ baffle ☒ tee
7. Depth to top of tank, below unfinished grade: 9 in.
8. Distances to: Well or suction line > 50 ft.
   Stream NA ft.
   Pressure line NA ft.
   Property line > 20 ft.

C. Distribution Box

1. Material: PVC Drop Boxes
   Number available outlets: 3
2. Factory built: ☒ Yes ☐ No Tuff Tite Co.
3. Distance from septic tank: 13 ft.

D. Absorption Field

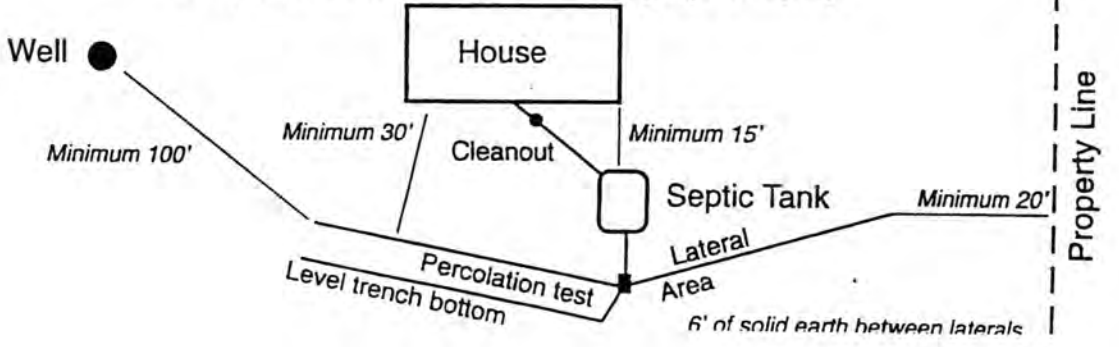
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: 36" H-10 Infiltrator
   or perforated pipe: _____
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other _____
2. Lateral lines: Number 4
   Length of each line: 70 ft. 70 ft.
   70 ft. 65 ft., _____ ft.
3. Trench dimensions: Width 4 ft.
   Slope 5 in/100 ft.
   Average depth 30 in
4. Filter material: Gravelless - H-10
   Depth of material _____ in.
5. Distances to: Well or suction line > 100 ft.
   Stream NA ft.
   Pressure line NA ft.
   Property line > 20 ft.

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

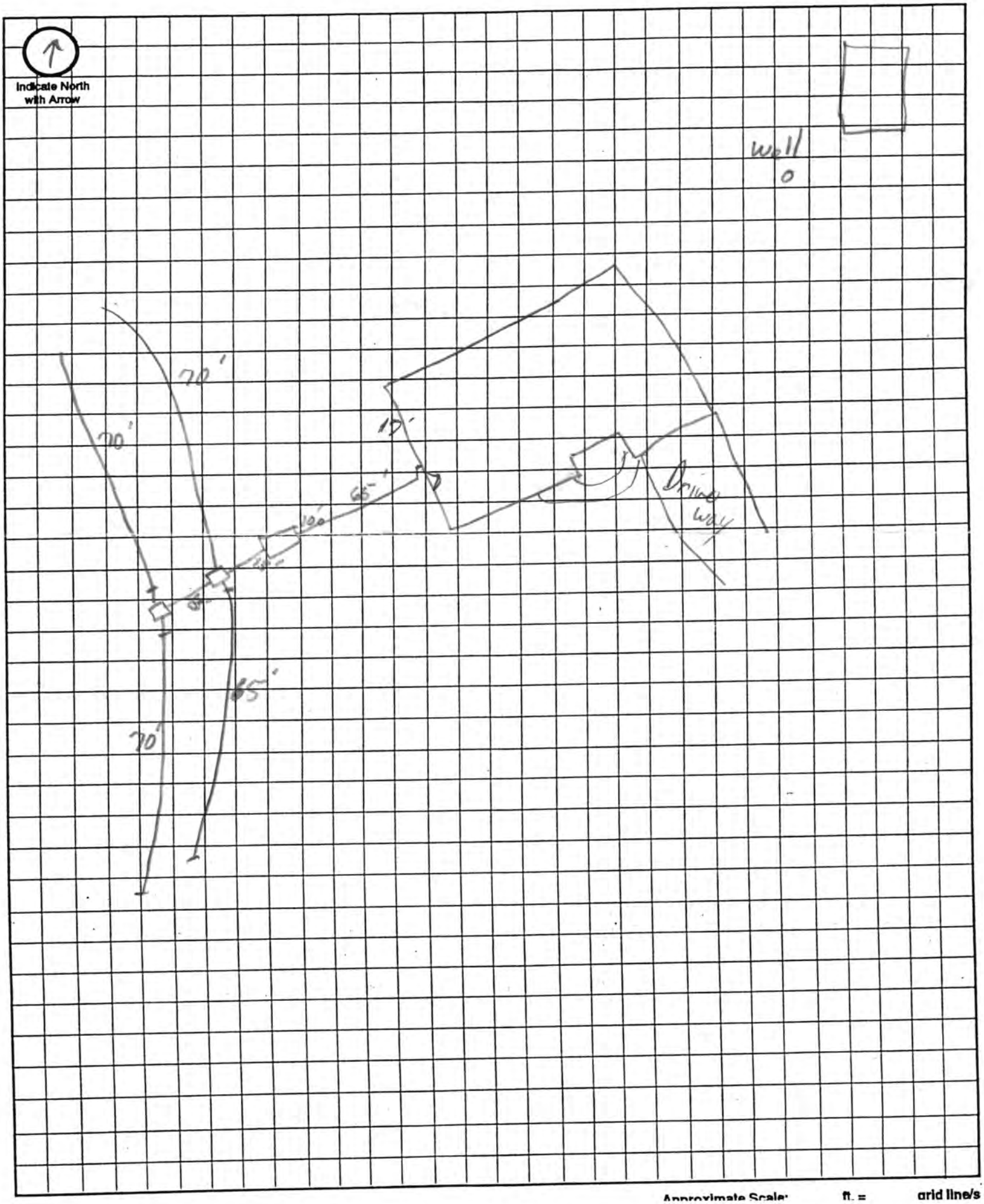
Indicate North with Arrow

Individual Sewage System Design (Example)



FORM 23-103 10-96

As Built Drawing



Approximate Scale: ft. = grid line/s