# LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT

3140 "N" STREET
Lincoln, NE 68510-1514
(402) 441-8000

ENVIRONMENTAL HEALTH DIVISION

NON TRANSFERABLE

## PERMIT

Permit No. 97380160901

SEWAGE INSTALLATION
SEPTIC SYSTEM

Issued 07/03/97
Expires 01/03/98
Revenue Code 18754

Establishment

BRUCE SPILKER
T11N R6E SEC 35
CUMBERLAND HEIGHTS LOT 11

FEES: $150.00

TOTAL $150.00

Permittee

BRUCE SPILKER
1909 FAIRFIELD ST
LINCOLN NE 68521

4994

Issued By M. Jane Ford
Health Director

**THIS LICENSE OR PERMIT IS ISSUED SUBJECT TO REVOCATION AS PROVIDED BY LAW "POST IN A PROMINENT PLACE"**

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

**A**

Permit Number:

# 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 280 PENNSLYVANNIA AVE (no rural route) City LINCOLN NE, Zip

Legal Description 35 11 N 6E Cumberland Hts 11
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 Bruce A. Spilker Signature Bruce A. Spilker

Address 1909 Fairfield City/State/Zip Lincoln, NE 68521

☐ Check if owner designed system Home Phone 476-6476 Work Phone 476-6600

### C. Contractor

Name Tom Artz Company Name Artz and Sons Custom Homes

Address 4330 So. 45th City/State/Zip Lincoln NE. 68516

☐ Check if contractor designed system Work Phone 432-1418

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

Designer Name John Stuhmyer Firm Excavating Svcs Work Phone 430-6023

### 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 7/3/97 Date frwd 7/3/97 ACTION ☒ Approved ☐ Disapproved Signature Jerrold C. Wood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 7-3-97 Date frwd 7-3-97 ACTION ☒ Approved ☐ Disapproved Signature
3. **City or County Engineer** Date rec'd 7-3-97 Date frwd 7-3-97 ACTION ☒ Approved ☐ Disapproved Signature

11/14/97 J.C.H. Need Drawing

### Installation Final Written Approval

By Jerrold C. Wood

Date NOVEMBER 20, 1997

***Business Office Use Only*** 3175

Date Rec'd 7/3/97

Amt Paid $150.00

Rec'd By CW Cash/Check No. 8277

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:

# Sewage Disposal System

## Soil Absorption Test Data Report
## Annex to Application

PLEASE PRINT OR TYPE

### System Location (Indicate correct number and street)

Address _____ City _____ NE, Zip _____
(no rural route)

Owner Bruce Spilker Addresss 1909 Fairfield 68521 Lincoln, Nebr.

Soil Type (SCS): SHARPSBURG SILTY CLAY LOAM Percolation Rate: 31 min./inch

Date of Tests 6/12/97 to 6/13/97 Weather: Precipitation dry Temperature 90°

### 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 | 28" | 6/12 | 10:AM | 6/13 | 10:00 | 6/13 | 1:00 | 6" | 6/13 | 1:30 | 30 | 1" | 30 MIN/IN |
| 2 | 29" | 6/12 | 10:00 | 6/13 | 10:00 | 6/13 | 1:00 | 6" | 6/13 | 1:30 | 30 | 1 1/8 | 27 MIN/IN |
| 3 | 28" | 6/12 | 10:00 | 6/13 | 10:00 | 6/13 | 1:00 | 6" | 6/13 | 1:30 | 30 | 3/4 | 40 MIN/IN |
| 4 | 30" | 6/12 | 10:00 | 6/13 | 10:00 | 6/13 | 1:00 | 6" | 6/13 | 1:30 | 30 | 1 1/8 | 27 MIN/IN |
| 5 | 27" | 6/12 | 10:00 | 6/13 | 10:00 | 6/13 | 1:00 | 6" | 6/13 | 1:30 | 30 | 1 1/4 | 24 MIN/IN |
| 6 | 28" | 6/12 | 10:00 | 6/13 | 10:00 | 6/13 | 1:00 | 6" | 6/13 | 1:30 | 30 | 3/4 | 40 MIN/IN |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

### Person Conducting Percolation Tests

Name: John Stalmaster
Phone: 430-6023
Address 6667 NW. 48th
68524

Sum of Percolation Rates: _____
Average of Rates: 31.3
Rate Used for Calculation: 31

DO NOT WRITE BELOW THIS LINE

### Reviewing Action

Remarks _____

Signature of Reviewing Official Jerrold C. Hood, R.E.H.S. Date JULY 3, 1997

FORM 23-101 10-96

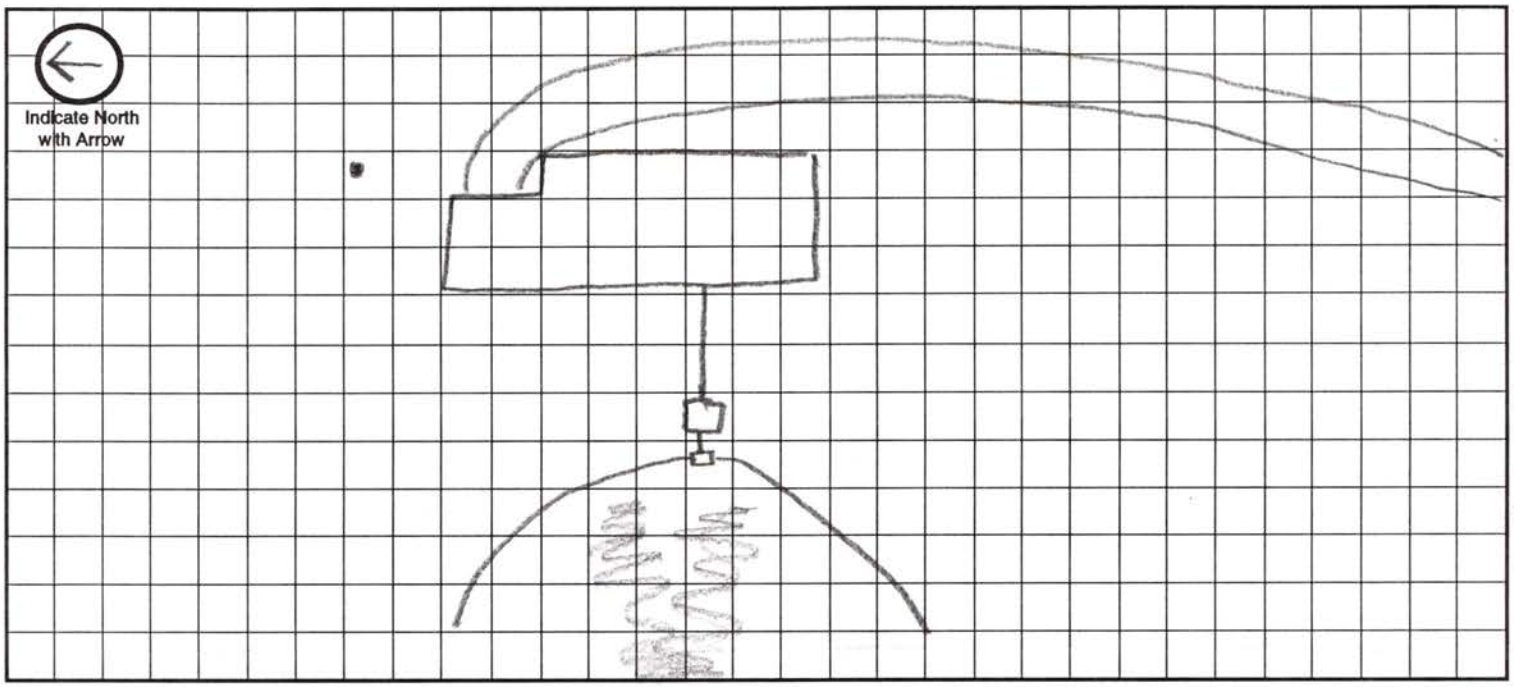
**Lincoln-Lancaster County Health Department**
Environmental Health Division
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Phone: 402-441-8022

C

Permit Number:

# 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) 280 Pennsylvania Ave 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 31 (min. per inch) Soil Type: SHARPSBURG SILTY CLAY LOAM Land Slope: _____ %

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

Total Square Feet of Field Required: 508 sq. ft.

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

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

Total Length of Laterals 127 ft. Number of Trenches 2 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 Gabriel Stutheyer Date 7/3/94

Installer _____ Date _____

FORM 23-102 10-96

NOV 1 8 1997

D

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

Permit Number:

# Sewage Disposal System

## As Built Plans & Specifications

Date 11-13-97 Bruce Spilker

**System Location (Indicate correct number and street)**

Address 3rd & Pennsylvania City Lincoln NE, Zip
(no rural route)

### A. Building Sewer

1. Material: PVC - Class 160
   Diameter: 4 in.
2. Distance above basement floor: — in.
   or distance below basement floor: 19 in.
3. Distance between dwelling and septic tank: 36 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

1. Material: Concrete
   Number of compartments: ONE
2. Capacity: 1200 gal.
3. Factory built: ☑ Yes ☐ No
4. Manholes: Over inlet, diameter — in.
   Over outlet, diameter ____ in.
   Riser: ☑ above ☐ below grade 20 in.
5. Inlet: ☑ baffle ☐ tee
6. Outlet: ☑ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 20 in.
8. Distances to: Well or suction line 120 ft.
   Stream 100+ ft.
   Pressure line 100+ ft.
   Property line 120 ft.

### C. Distribution Box

1. Material: Concrete
   Number available outlets: 5
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: 11 ft.

### D. Absorption Field

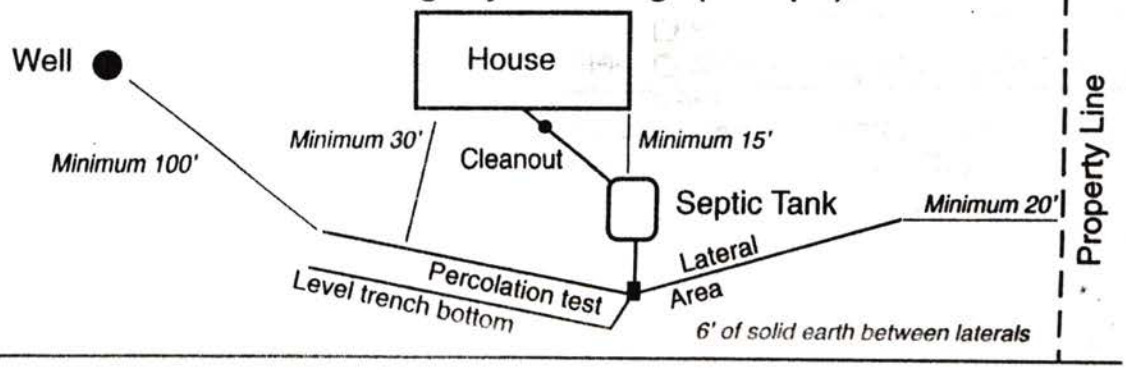
*(Provide as-built drawings on back of this form)*

1. Type: ☐ Half rounds ☐ Perforated pipe
   Diameter of half round: INFILTRATOR
   or perforated pipe: ____
   Material: ☐ fiberglass ☑ plastic ☐ concrete
   ☐ other ____
2. Lateral lines: Number 3
   Length of each line: 90 ft. 70 ft.
   40 ft. ____ ft., ____ ft.
3. Trench dimensions: Width 4 ft.
   Slope 3 in/100 ft.
   Average depth 24 in
4. Filter material: Road Gravel
   Depth of material 18 in.
5. Distances to: Well or suction line 160 ft.
   Stream 100+ ft.
   Pressure line 100+ ft.
   Property line 60 ft.

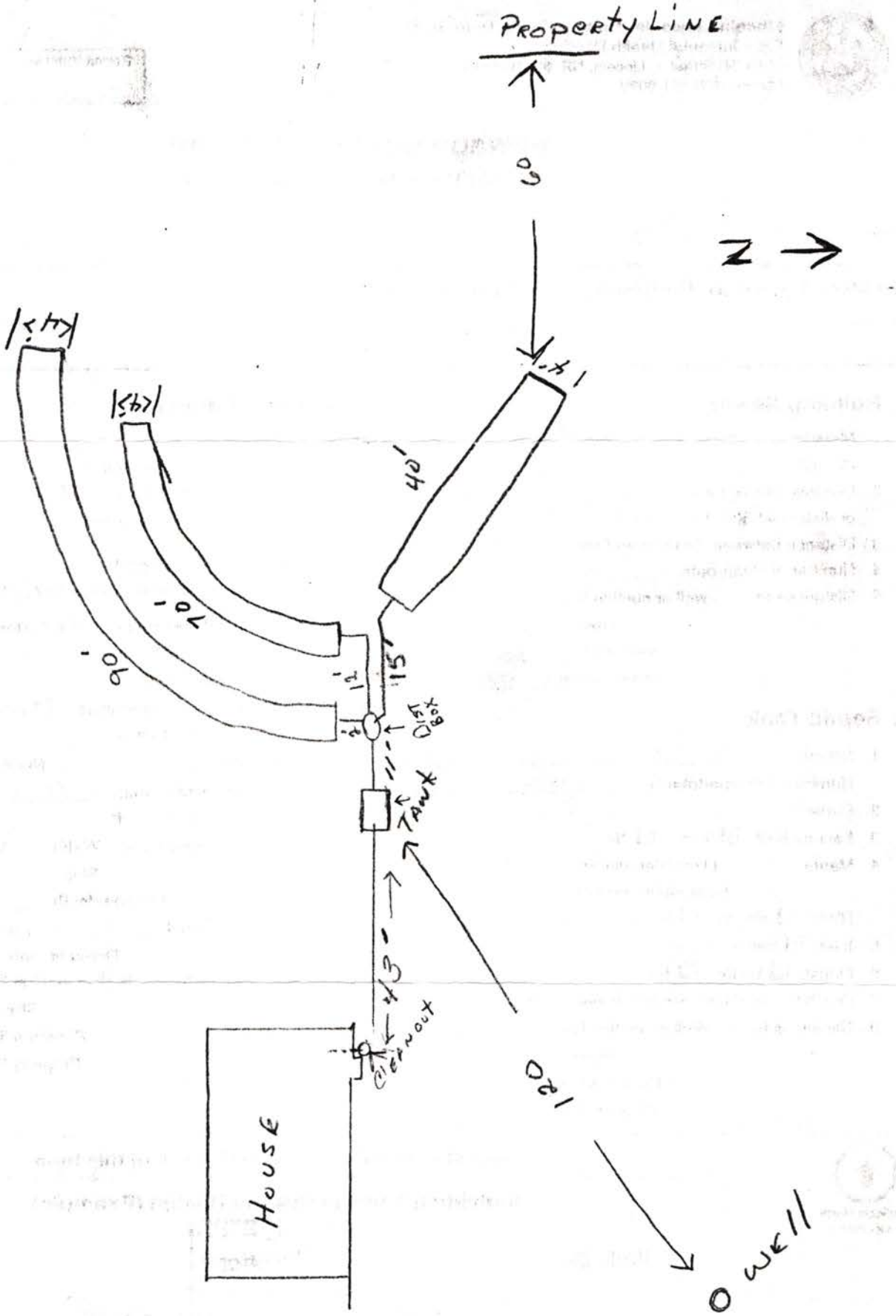
Indicate North with Arrow

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

**Individual Sewage System Design (Example)**




FORM 23-103 10-96


Property Line
N
40'
70'
90'
15'
12'
12'
Dist Box
Tank
House
Cleanout
120'
Well


2 765 000 FEET
465 000 FEET
T. 11 N.
(Joins sheet 18)
22
23
26
27
34
35
ShD
WtC2
WtD3
PbC3
ShC
PaD2
MrD
BpF
JuC
PaC2
MrD2
Ns
CsB
CrB
Sk
No
Ke
BrE
BrD
DcD
DcD2
JfC
Cp
ShE2
ShD2
PaC2
StF
SmD
McD
GeD
Co
Pt
1½ 10s
N. 1st St.
New Sapling
Pennsylvania Ave