Lincoln-Lancaster County Health Department

ENVIRONMENTAL HEALTH DIVISION
3140 N STREET · LINCOLN, NE 68510-1514 (402) 441-8000

Permit

SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 01380234501

Issued 08/09/01
Expires 02/09/02
Revenue Code 3157

FEES: $200.00

TOTAL: $200.00

Establishment

HERITAGE BUILDERS INC
T9N R7E SEC 1 QTR SW
NE 1/4 OF SW 1/4
3900 S 98 ST

Permittee

HERITAGE BUILDERS INC
5950 VANDERVOORT DR
LINCOLN NE 68516

[redacted] Health Director

• POST IN A PROMINENT PLACE • NOT TRANSFERABLE

016202

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

AUG 9 2001

A

Permit Number: 013802345

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 3900 S 98TH (no rural route) City LINCOLN NE, Zip

Legal Description NE (1/4) SW (1/4) 1 (Section) 9N (Township) 7E (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 SEE ATTACHED SHEETS

B. Owner

Name HERITAGE BUILDERS INC Signature Kathy R Hovermale

Address 5950 VAN DORN DR City/State/Zip LNK NE 68516

☐ Check if owner designed system Home Phone Work Phone 421-3333

C. Contractor

Name STAN KLOESE Company Name DIRT WORKS PLUS INC

Address 7324 BALLARD City/State/Zip LNK NE 68507

☑ Check if contractor designed system Work Phone 560 1708

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 8/9/01 Date frwd 8/9/01 ACTION ☒ Approved ☐ Disapproved Signature Jerrold C. Ford
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 8/10 Date frwd 8/10 ACTION ☐ Approved ☐ Disapproved Signature
3. **City or County Engineer** Date rec'd 8/9/01 Date frwd 8/9/01 ACTION ☒ Approved ☐ Disapproved Signature Chase J Baker

Pre-existing well.

Installation Final Written Approval

By Paul Dunham

Date 9-5-01

Business Office Use Only

Date Rec'd 08/09/01
Amt Paid 200.00
Rec'd By LO Cash/Check No. 4111

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

Wellmann Plumbing
3301 S. 6th st.
Lincoln, NE 68502

Attn: Clint Pressnell

RE: PERCOLATION TEST, 3900 S. 98TH ST.

Dear Mr. Pressnell:

PERCOLATION RESULT

The percolation testing performed at the fore-mentioned site was completed on Monday, June 18, 2001. The percolation tests were performed for the purpose of finding out if a septic tank is suitable for the soil at the chosen site. Each test consisted of 6, 36 inch deep by 4-inch diameter percolation holes as well as 1, 10 foot deep, test hole to determine depth of ground water. Each percolation test hole was placed in the proposed drainage field, each thirty feet apart, and saturated for 24 hours. This percolation test required 4.5 hours of monitoring, which is standard protocol for this type of test.

The final percolation rates are as follows:

Southeast Test Hole	60 minutes per inch
South Middle Test Hole	60 minutes per inch
Southwest Test Hole	17.1 minutes per inch
Northwest Test Hole	30 minutes per inch
North Middle Test Hole	30 minutes per inch
Northeast Test Hole	10 minutes per inch

The average percolation rate is 34.5 minutes per inch.

If you have any questions, please contact our office.

Respectfully,
GEOTECHNICAL SERVICES, INC.

Mark Belau
Engineering Technician

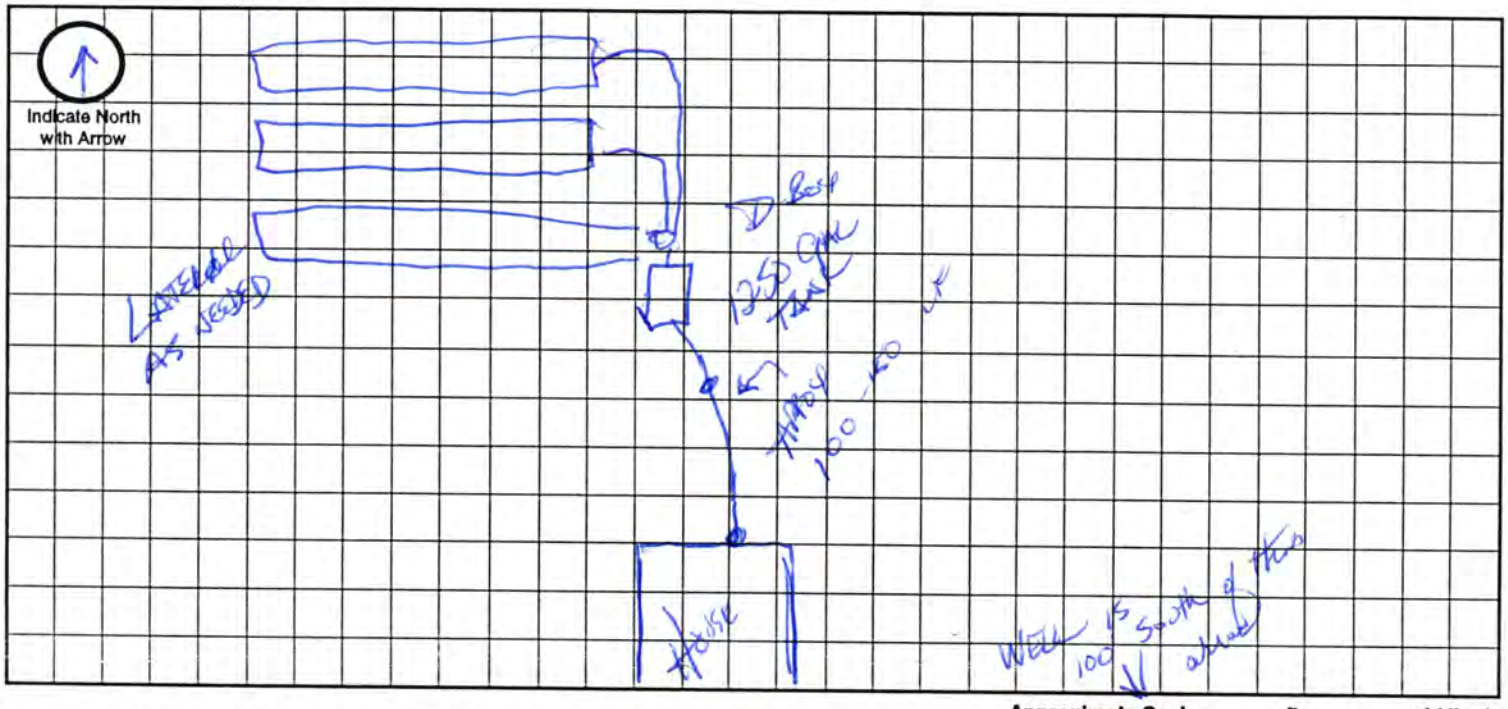
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

C

Permit Number: 013802345

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) 3900 S 98TH City UNION NE, Zip _____

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: SHARPSBURG SILTY CLAY LOAM & PAWNEE CLAY LOAM BOTH IN AREA Land Slope: _____ %

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

Total Square Feet of Field Required: 1400 sq. ft.

Type of Lateral: ☐ Half-Moon ☐ Perforated Pipe ☐ Other Lateral Material: ENJACKZEE LATERAL (GRAVEL-LESS)

Capacity of Septic Tank 1500 gals Number of Absorption Beds: 4 Number of Distribution Laterals per Bed AS NEEDED

Total Length of Laterals 400 ft. Number of Trenches _____ Trench Width 3.5

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 Kathy R Hovermale Date 8-7-01

Installer _____ Date 8-7-01

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: 013802345

Sewage Disposal System

As Built Plans & Specifications

Date 8-30-01 Heritage Builders

System Location (Indicate correct number and street)

Address 3900 So 98TH (no rural route) City Lincoln NE, Zip

A. Building Sewer

1. Material: CLS 160
   Diameter: 4" in.
2. Distance above basement floor: ____ in.
   or distance below basement floor: 18 in.
3. Distance between dwelling and septic tank: 132 ft.
4. Number of clean-outs: 2
5. Distances to: well or suction line 200+ ft.
   stream 60 ft.
   pressure line 100+ ft.
   property line 200+ ft.

B. Septic Tank

1. Material: CONC
   Number of compartments: 1
2. Capacity: ____ gal.
3. Factory built: ☑ Yes ☐ No
4. Manholes: Over inlet, diameter ____ in.
   Over outlet, diameter ____ in.
   Riser: ☑ above ☐ below grade 2 in.
5. Inlet: ☑ baffle ☐ tee
6. Outlet: ☑ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 18 in.
8. Distances to: Well or suction line 200+ ft.
   Stream 50 ft.
   Pressure line 200+ ft.
   Property line 200+ ft.

C. Distribution Box

1. Material: CONC
   Number available outlets: 5
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank 15' 4" ft.

D. Absorption Field

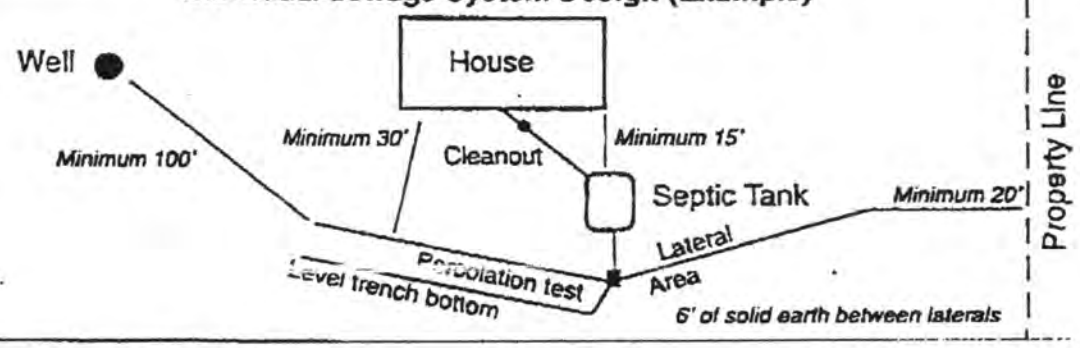
(Provide as-built drawings on back of this form)

1. Type: ☐ Half rounds ☐ Perforated pipe
   Diameter of half round: ____
   or perforated pipe: ____
   Material: ☐ fiberglass ☐ plastic ☐ concrete
   ☑ other Hoot Cascade Equalizer
2. Lateral lines: Number 4
   Length of each line: 102 ft. 102 ft.
   102 ft. 102 ft. ____ ft.
3. Trench dimensions: Width 3.5 ft.
   Slope 0 in/100 ft.
   Average depth 27 in
4. Filter material: GRAVEL-LESS
   Depth of material 0 in.
5. Distances to: Well or suction line 200+ ft.
   Stream 40+ ft.
   Pressure line 200+ ft.
   Property line 200+ ft.

Indicate North with Arrow

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

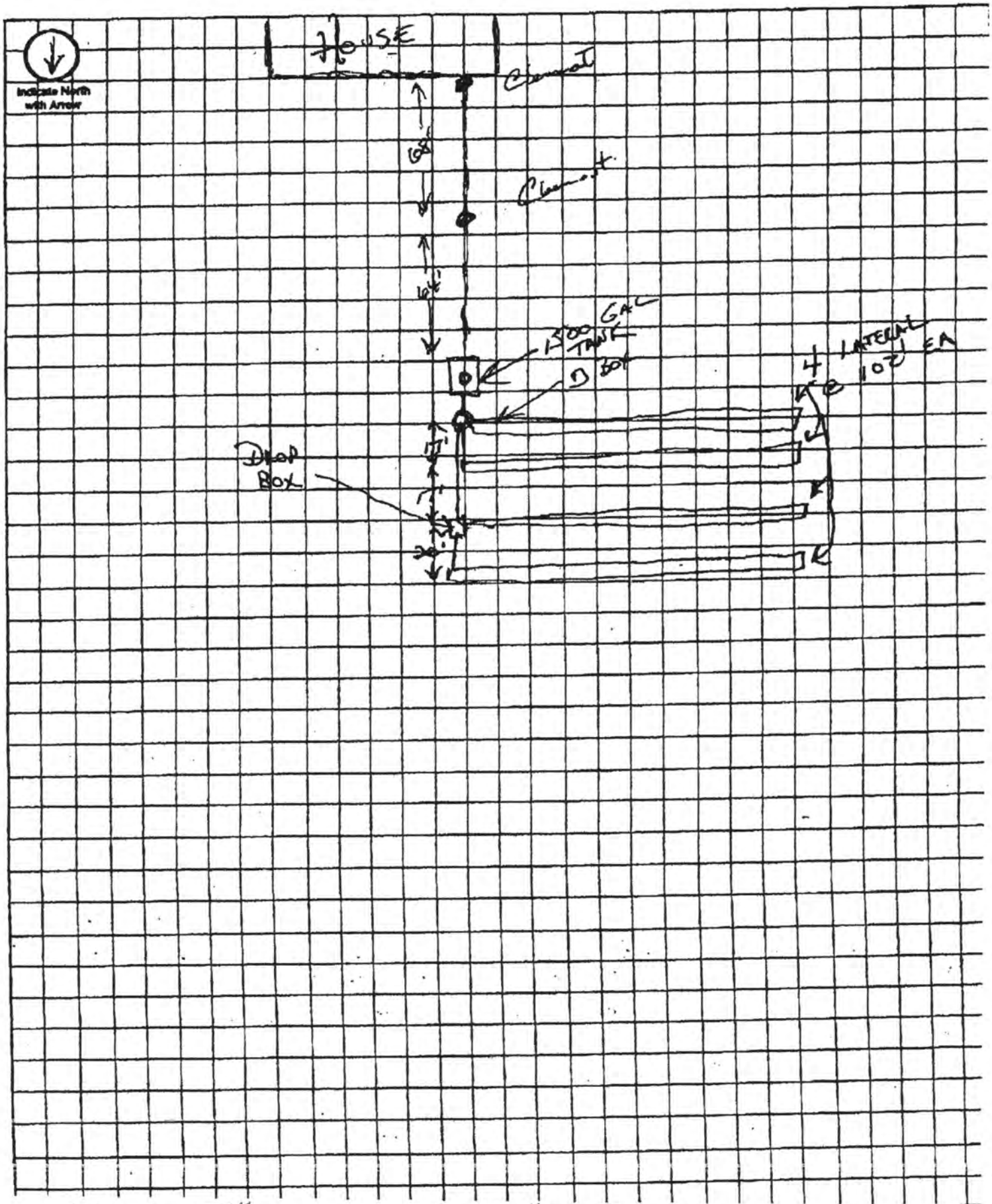
Individual Sewage System Design (Example)



FORM 22-103 10-96

09/04/01 06:08P P.002 402-454-7020 Dirt Works Plus Inc.

As Built Drawing



Dirt Works Plus Inc. 402-464-7020 09/04/01 06:08P P.003

LEGAL DESCRIPTION (Parcel #3)

Beginning at the Southeast corner of the Northeast Quarter of the Southwest Quarter of Section 1, Township 9 North, Range 7 East of the 6th P.M., Lancaster County, Nebraska. Thence in a Westerly direction on the South line of the Northeast Quarter of the Southwest Quarter of said Section 1 a distance of Eight Hundred Seventy-Seven and Ninety-Six Hundredths (877.96) feet. Thence N 00° 08' 00" W on a line parallel to the East line of the Northeast Quarter of the Southwest Quarter of said Section 1 a distance of Nine Hundred Ninety-Two and Fifty-Six Hundredths (992.56) feet to a point on the North line of Lot 6 of Irregular Tracts. Thence N 89° 53' 42" E on the North line of said Lot 6 a distance of Eight Hundred Seventy-Seven and Ninety-Six Hundredths (877.96) feet to the Northeast corner of said Lot 6 of Irregular Tracts, said point being also on the East line of the Northeast Quarter of the Southwest Quarter of said Section 1. Thence S 00° 08' 00" E on the East line of Lot 6 of Irregular Tracts and the East line of the Northeast Quarter of the Southwest Quarter of said Section 1 a distance of Nine Hundred Ninety-Two and Five Hundredths (992.05) feet to the Point of Beginning and containing a calculated area of 20.00 Acres more or less.