Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

009135

(402) 441-8000

Permit: SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 06380322401

Issued 07/27/06
Expires 07/27/07
Revenue Code 3157

Establishment:
STERTZ FAMILY HOMES INC
T7N R7E SEC 27
WILLNERD ACRES LOT 12
27800 SARAH CIRCLE-FIRTH

FEES: $275.00

Permittee:
STERTZ FAMILY HOMES INC
6030 S 81 ST
LINCOLN NE 68516

TOTAL: $275.00

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: 063803 22401

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 27800 Sarah Circle (no rural route) City Firth NE, Zip 68358

Legal Description ____ (1/4) ____ (1/4) 27 (Section) 7N (Township) 7E (Range) Willwood Acres Lot 12, Lancaster County NE (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 Stutz Family Homes Inc. Signature _____

Address 6030 S. 81st City/State/Zip Lincoln NE 68516

☐ Check if owner designed system Home Phone _____ Work Phone 429-6096

C. Contractor

Name Stutz Family Homes Inc. Company Name _____

Address 6030 S. 81st City/State/Zip Lincoln NE 68516

☐ Check if contractor designed system Work Phone 429-6096

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

Designer Name Scott Haes Firm HaesContracting Work Phone 499-1166

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 7/27/06 Date frwd 7/27/06	ACTION ☒ Approved ☐ Disapproved Signature Jerrold C. Hood	
X 2. Supt. Bldg. Insp. or Village Clerk	Date rec'd 7-26-2006 Date frwd _____	ACTION ☒ Approved ☐ Disapproved Signature David Hoblyn	
3. City or County Engineer	Date rec'd 7-27-06 Date frwd 7-27-06	ACTION ☒ Approved ☐ Disapproved Signature Jim Plough	

7/27/06 Need drawing, House to be sited in South half of Lot 12 OK?

Installation Final Written Approval

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

Date AUGUST 1, 2006

Business Office Use Only

Date Rec'd 7/27/06
Amt Paid 275.00
Rec'd By CW. Cash/Check No. 6329

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

Lincoln-Lancaster County Health Department
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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 27800 Sarah Circle City Firth NE, Zip 68358
(no rural route)

Owner Todd Stertz Addresss 27800 Sarah Circle

Soil Type (SCS): Sandy Loam Percolation Rate: 31 min./inch

Date of Tests 11-2-05 to 11-3-05 Weather: Precipitation Dry Temperature 80°

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"	11-2	2:10	11-3	2:10	11-3	2:10	24"	11-3	6:10	30	1"	30
2												1.25"	24
3												1"	30
4												.62"	HB
5												1.25"	24
6												1"	30

Person Conducting Percolation Tests

Name: Todd Stertz
Phone: 429-6996
Address: 27800 Sarah Circle

Sum of Percolation Rates: 186
Average of Rates:
Rate Used for Calculation: 31

3 Bed 825 ÷ 3
275 LF

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks

Signature of Reviewing Official: Jerrold C. Hood R.E.H.S. Date 7/27/06

FORM 23-101 10-96

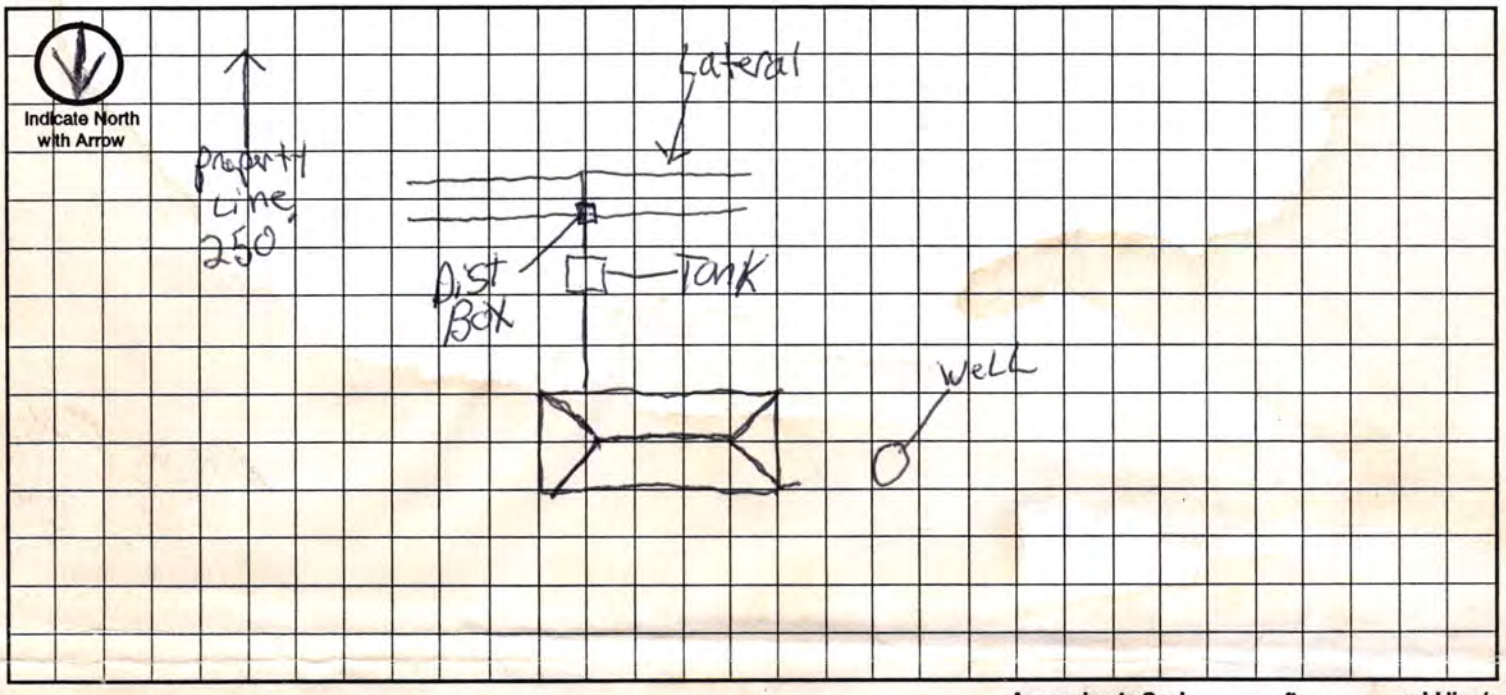
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

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) 27800 Sarah circle City Firth NE, Zip 68358

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: _____ Land Slope: _____ %

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

Total Square Feet of Field Required: 825 sq. ft.

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

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

Total Length of Laterals 206 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 _____ Date 7-24-06

Installer _____ Date 7-26-06

FORM 23-102 10-96

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

D

Permit Number:

Sewage Disposal System
As Built Plans & Specifications

Date 7-28-06

System Location (Indicate correct number and street)

Address 27800 Sarah Circle (no rural route) City Firth NE, Zip 68358

A. Building Sewer

1. Material: Plastic SDR26
   Diameter: 4 in.
2. Distance above basement floor: - in.
   or distance below basement floor: 24 in.
3. Distance between dwelling and septic tank: 65 ft.
4. Number of clean-outs: 1
5. Distances to: well or suction line 170 ft.
   stream - ft.
   pressure line 170 ft.
   property line 250 ft.

B. Septic Tank

1. Material: Concrete
   Number of compartments: 1
2. Capacity: 1000 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter 24 in.
   Over outlet, diameter 24 in.
   Riser: ☒ above ☐ below grade 30 in.
5. Inlet: ☒ baffle ☐ tee
6. Outlet: ☒ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 24 in.
8. Distances to: Well or suction line 170 ft.
   Stream - ft.
   Pressure line 100 ft.
   Property line 250 ft.

C. Distribution Box

1. Material: Plastic
   Number available outlets: 4
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 17 ft.

D. Absorption Field

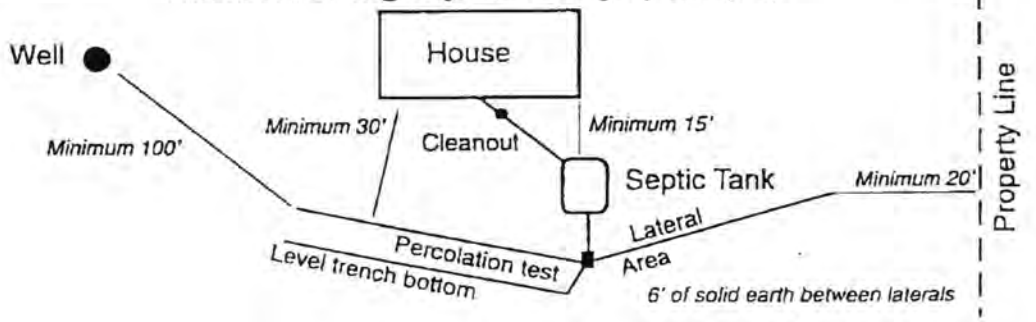
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: 35"
   or perforated pipe: -
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other
2. Lateral lines: Number 2
   Length of each line: 134 ft. 111 ft.
   ft. ft., ft.
3. Trench dimensions: Width 3 ft.
   Slope 1 in/100 ft.
   Average depth 24" in
4. Filter material: Gravel
   Depth of material 12 in.
5. Distances to: Well or suction line 150 ft.
   Stream - ft.
   Pressure line 150 ft.
   Property line 250 ft.

Indicate North with Arrow

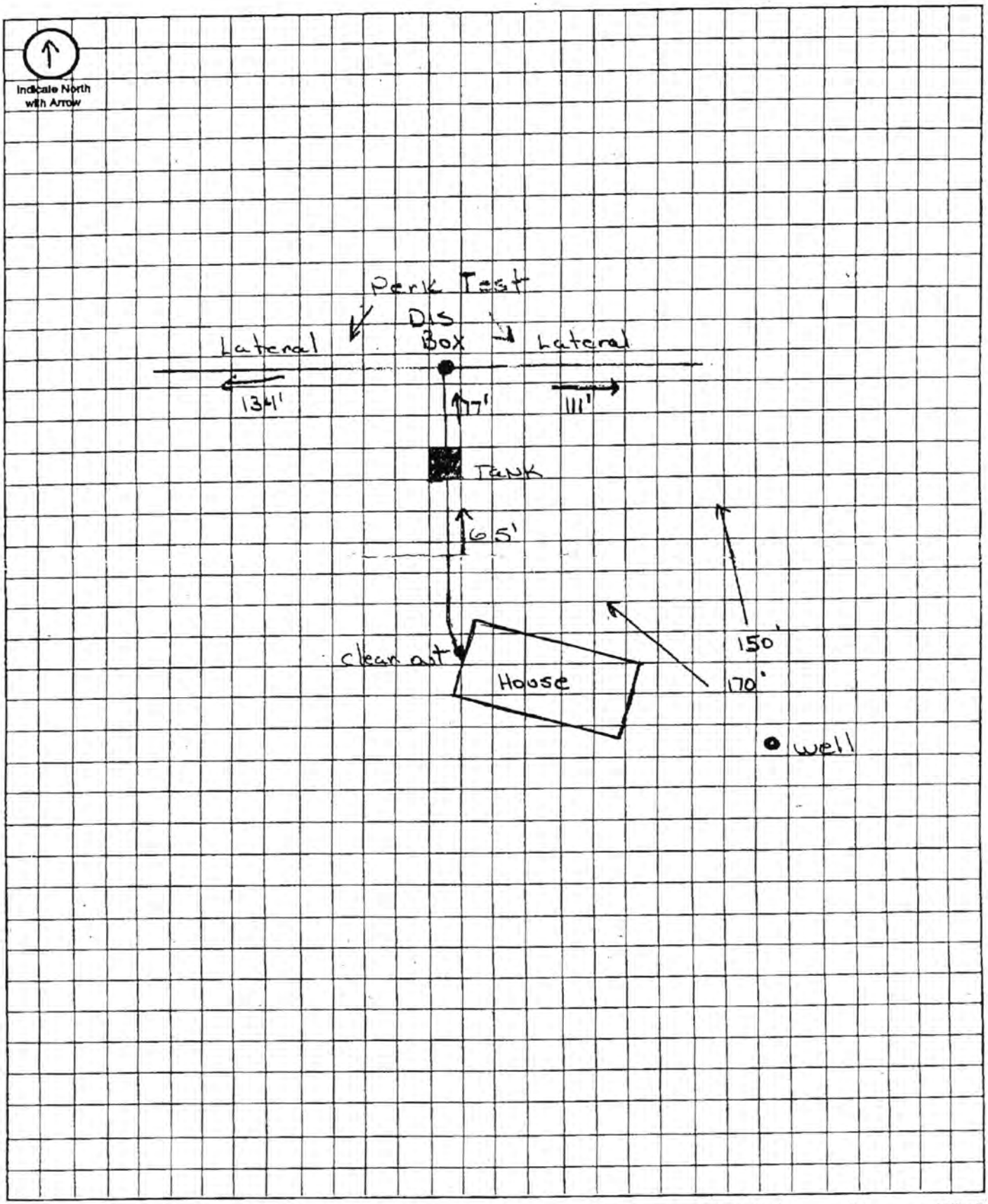
Complete "As Built" drawing on back of this form.

Individual Sewage System Design (Example)



FORM 23-103 10-96

As Built Drawing



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