Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

002158

(402) 441-8000

Permit SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 03380262701

Issued 04/24/03
Expires 10/24/03
Revenue Code 3157

Establishment CHRISTIAN HERITAGE CHILDREN'S HOMES
T9N R8E SEC 10 QTR SW
LOT 23IT
14850 OLD CHENEY RD-WALTON

FEES: $200.00

Permittee CHRISTIAN HERITAGE CHILDREN'S HOMES
2930 RIDGELINE RD
APT 110
LINCOLN NE 68516

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: 03380262701

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 14850 Old Cheney Road (no rural route) City Walton NE, Zip 68461

Legal Description SW (1/4) 10 (1/4) 9 N (Section) (Township) 8E (Range) 23 I.T (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 Christian Heritage Children's Homes Signature Doug Nichols

Address 2930 Ridge Line Rd; Ste. 110 City/State/Zip Lincoln, NE 68516

☐ Check if owner designed system Home Phone 792-2479 Work Phone 423-3270

C. Contractor

450-7690

Name Brad Southwick Company Name Southwick Sewer and Drain

Address 17201 So. 72nd Street City/State/Zip Hickman, NE 68372

☒ Check if contractor designed system Work Phone 792-2462

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 8 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 4/24/03 Date frwd 4/25/03 ACTION ☒ Approved ☐ Disapproved Signature Harold C. Hood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 4/25/03 Date frwd 4/25/03 ACTION ☒ Approved ☐ Disapproved Signature [signature]
3. **City or County Engineer** Date rec'd 4/25/03 Date frwd 4/25/03 ACTION ☒ Approved ☐ Disapproved Signature [signature]

10/29/03 Tanks + line. 10/30/03 Lateral + Drawn

Installation Final Written Approval

By Doug Nichols

Date 10/30/03

Business Office Use Only
Date Rec'd 04/24/03
Amt Paid 200.00
Rec'd By LS Cash/Check No. 5466

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

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

B

Permit Number: 03380267

Sewage Disposal System

Soil Absorption Test Data Report

Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address S 148 (no rural route) City Walton NE, Zip 68461

Owner CHRISTIAN HERITAGE Addresss Hickman, Ne 68372

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

Date of Tests 4-24 to 4-25-02 Weather: Precipitation — Temperature 50

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	4/24	8:00	4/25	7:30	4/25	10:20	33	4/25	10:50	30	7/8	34
2			PM		PM		P	32		PM		3/4	40
3								35				7/8	34
4								31 3/8				3/4	40
5								32 3/4				7/8	34
6								30 7/8				7/8	34
7								33 3/4				1	30
8								30 7/8				3/4	40
9								31 7/8				7/8	34
10								32 7/8				3/4	40
11	↓							28 3/4				5/8	48

Sum of Percolation Rates: 408

Average of Rates: 37

Rate Used for Calculation: 40

Person Conducting Percolation Tests

Name: Brad Senftknecht

Phone: 475-2462

Address 17201 So 72nd St. Hickman, Ne

2250 gallon - 8 Bdrm
550 x 4' lateral area (2200 sq ft)

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

Signature of Reviewing Official _____ Date _____

FORM 23-101 10-96

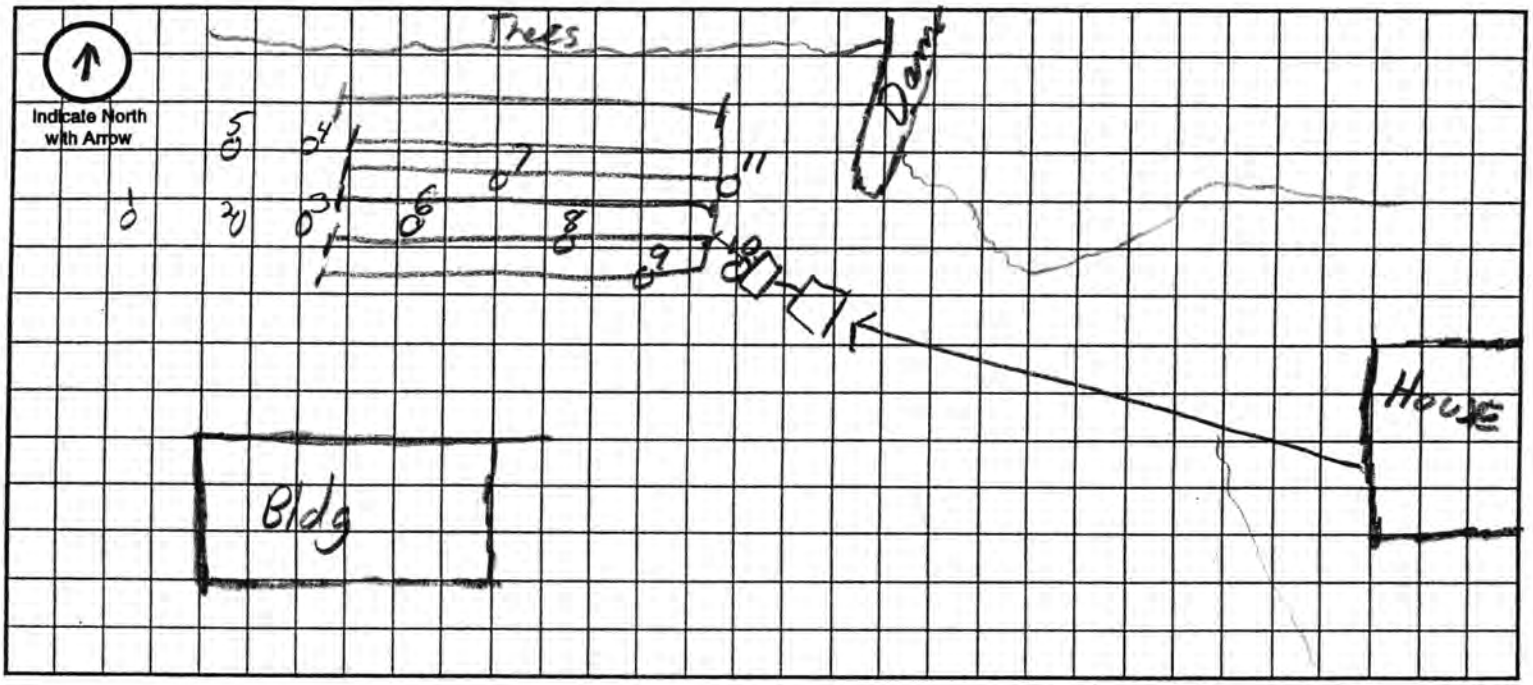
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

C

Permit Number: 033802627

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) _____ City _____ NE, Zip _____

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: SUC Land Slope: _____ %

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

Total Square Feet of Field Required: 2200 sq. ft.

Type of Lateral: ☐ Half-Moon ☐ Perforated Pipe ☒ Other Lateral Material: EQ-24 In Gl Heater

Capacity of Septic Tank 2250 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals 550 ft. Number of Trenches 6 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 _____ Date _____

Installer Brad Sorenson Date 4-23-03

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:

Sewage Disposal System

As Built Plans & Specifications

Date 10/29/03

System Location (Indicate correct number and street)

Address 14900 Old Cheney RD (no rural route) City Walton NE, Zip 68461

A. Building Sewer

1. Material: PVC
   Diameter: 4" in.
2. Distance above basement floor: — in.
   or distance below basement floor: 2' in.
3. Distance between dwelling and septic tank: 310' ft.
4. Number of clean-outs: 6
5. Distances to: well or suction line — ft.
   stream — ft.
   pressure line — ft.
   property line — ft.

B. Septic Tank

1. Material: Concrete
   Number of compartments: —
2. Capacity: 2 1000 - 1250 gal.
3. Factory built: ☑ Yes ☐ No
4. Manholes: Over inlet, diameter — in.
   Over outlet, diameter — 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 — ft.
   Stream — ft.
   Pressure line — ft.
   Property line 450 ft.

C. Distribution Box

1. Material: Concrete
   Number available outlets: 6
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: 10' ft.

D. Absorption Field

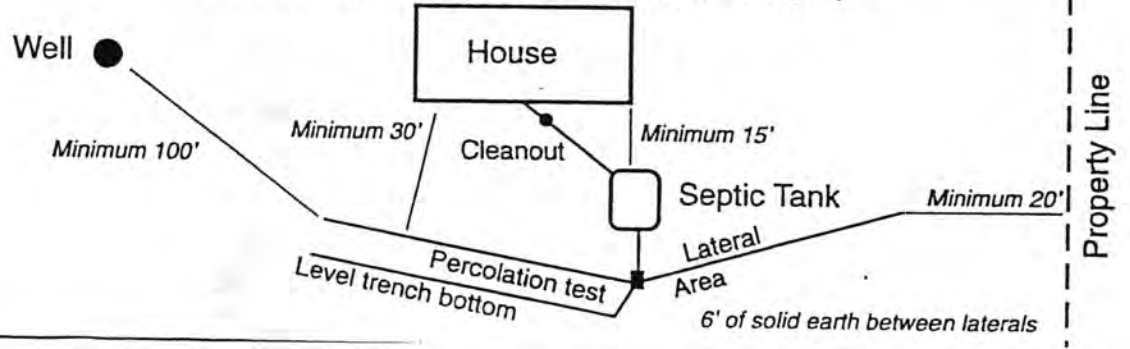
(Provide as-built drawings on back of this form)

1. Type: ☑ Half rounds ☐ Perforated pipe
   Diameter of half round: PVC
   or perforated pipe: —
   Material: ☐ fiberglass ☑ plastic ☐ concrete
   ☐ other —
2. Lateral lines: Number 4
   Length of each line: 100 ft. 100' ft.
   — ft. — ft., — ft.
3. Trench dimensions: Width 3' ft.
   Slope 4' in/100 ft.
   Average depth 24" in
4. Filter material: NONE
   Depth of material — in.
5. Distances to: Well or suction line — ft.
   Stream — ft.
   Pressure line — ft.
   Property line — ft.

Indicate North with Arrow

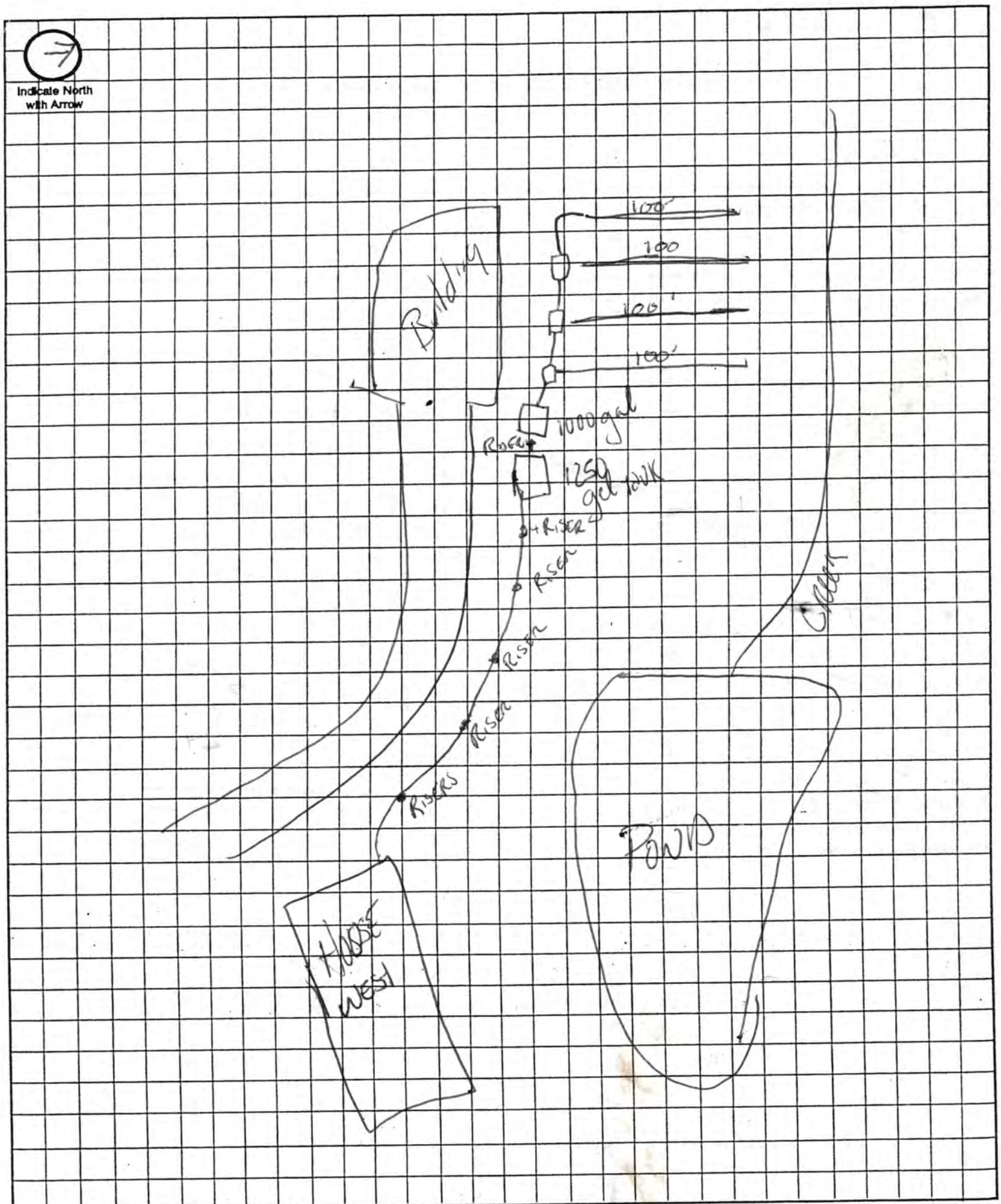
Complete "As Built" drawing on back of this form.

Individual Sewage System Design (Example)



FORM 23-103 10-96

As Built Drawing



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

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

D

Permit Number:

Christian Heritage

Sewage Disposal System

As Built Plans & Specifications

Date 12-30-03

System Location (Indicate correct number and street)

Address 14901 old Cheney RD (no rural route) City WALTON NE, Zip 68461

A. Building Sewer

1. Material: PVC
   Diameter: 4" in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 12" in.
3. Distance between dwelling and septic tank: 360 ft.
4. Number of clean-outs: 4
5. Distances to: well or suction line _____ ft.
   stream _____ ft.
   pressure line _____ ft.
   property line _____ ft.

B. Septic Tank

1. Material: Concrete
   Number of compartments: _____
2. Capacity: 2250 gal.
3. Factory built: ☑ Yes ☐ No
4. Manholes: Over inlet, diameter _____ in.
   Over outlet, diameter _____ 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 _____ ft.
   Stream _____ ft.
   Pressure line _____ ft.
   Property line _____ ft.

C. Distribution Box

1. Material: Concrete
   Number available outlets: —
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: 20' ft.

D. Absorption Field

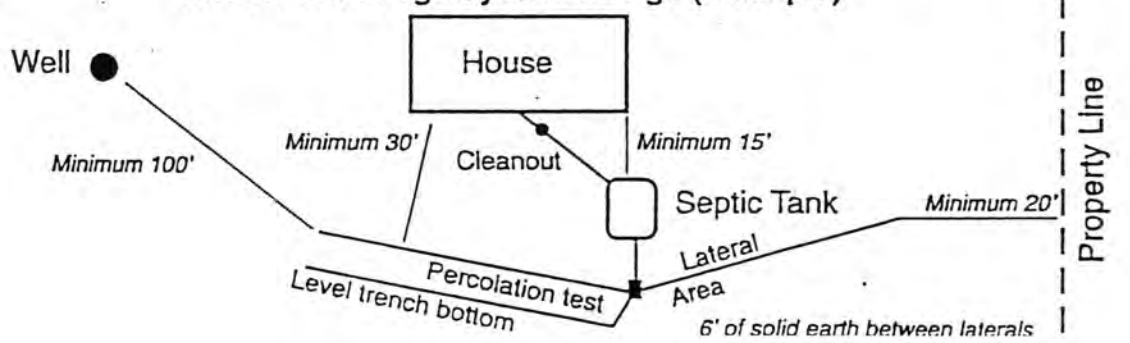
(Provide as-built drawings on back of this form)

1. Type: ☑ Half rounds ☐ Perforated pipe
   Diameter of half round: 36"
   or perforated pipe: _____
   Material: ☐ fiberglass ☑ plastic ☐ concrete
   ☐ other _____
2. Lateral lines: Number 4
   Length of each line: 1 ft. 100' ft.
   _____ ft. _____ ft., _____ ft.
3. Trench dimensions: Width 36" ft.
   Slope 3" in/100 ft.
   Average depth 24" in
4. Filter material: —
   Depth of material _____ in.
5. Distances to: Well or suction line _____ ft.
   Stream _____ ft.
   Pressure line _____ ft.
   Property line _____ 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

