LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT

3140 "N" STREET
NON TRANSFERABLE

ENVIRONMENTAL HEALTH DIVISION
Lincoln, NE 68510-1514
PERMIT

(402) 441-8000

Permit

SEWAGE INSTALLATION
SEPTIC SYSTEM

No. 98380190701

Issued 12/04/98
Expires 06/04/99
Revenue Code 3157

FEES: $150.00

PAID

Establishment

STEVE BROWN
T9N R6E SEC 30 QTR SW
NW 1/4 OF SW 1/4
9300 SW 56 ST-DENTON

Permittee

STEVE BROWN
5930 S 52 ST CT
LINCOLN NE 68516-3207

TOTAL $150.00

Issued By Health Director
Lincoln-Lancaster County Health Department

008344

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: 98801907

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 9300 SW 56th (no rural route) City DENTON NE, Zip 68339

Legal Description NW (1/4) SW (1/4) 30 (Section) 9N (Township) 6E (Range) Subdivision Addition Block 5 Lot IT

Geographical Location (if known): Longitude _____ Latitude _____

☒ Check if system mail address is not the same as the owner's address

B. Owner

Name STEVE BROWN Signature _____

Address 5930 S. 52nd ST CT City/State/Zip LINCOLN, NE 68516

☐ Check if owner designed system Home Phone 423 7751 Work Phone 479 3966

C. Contractor FOR SYSTEM

HOME CONTRACTOR: Brian Meyer of Meyer Homes, Lincoln 423-1207

Name JIM MINARICK Company Name WEBSTER WELL

Address Box 128 City/State/Zip MORSE BLUFF, NE 68648

☒ Check if contractor designed system Work Phone (402) 652-8408

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

Designer Name James Minarick Firm Webster Well Inc Work Phone 402-652-8408

E. This System Will Serve a

☒ Residential Dwelling Number of Bedrooms 5 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 12/3/98 Date frwd 12/3/98 ACTION ☒ Approved ☐ Disapproved Signature Jerrold E. Hood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 12.3.98 Date frwd 12.3.98 ACTION ☒ Approved ☐ Disapproved Signature _____
3. **City or County Engineer** Date rec'd 12/03/98 Date frwd _____ ACTION ☒ Approved ☐ Disapproved Signature _____

1-30-99
2-31-99
need D Sheet

Installation Final Written Approval

By _____

Date 4/21/99 final inspection 4-1-99

Business Office Use Only

Date Rec'd 12/03/98
Amt Paid 150.00
Rec'd By _____ Cash/Check No. 6730

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

125' FROM CORNER
EVERY 30'

8" AUGER

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

B

Permit Number: 983801907

Sewage Disposal System

Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 9300 SW 56th (no rural route) City DENTON NE, Zip 68339

Owner STEVE BROWN Addresss 5930 S. 52nd LINCOLN NE 68516

Soil Type (SCS): WYMORE SILTY CLAY LOAM. Percolation Rate: 11.7 min./inch

Date of Tests Nov. 20 to Nov. 21 Weather: Precipitation NONE 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)
1N	36"	11/20	2:10	11/21	11:00AM	11/21	2:55	13 1/8	11/21	3:25	30	3.0	10.0
2	37"	11/20	2:20			11/21	2:56	13 5/8	11/21	3:26	30	2.625"	11.4
3	36 1/2"	11/20	2:29			11/21	2:58	14 1/2	11/21	3:28	30	3.125	9.6
4	36"	11/20	2:35			11/21	3:00	9 5/8	11/21	3:30	30	1.875	16.0
5	38 1/2"	11/20	2:43			11/21	3:01	10 7/8	11/21	3:31	30	2.25	13.3
6	37 1/2"	11/20	2:49			11/21	3:02	13 3/8	11/21	3:32	30	3.50	8.6
7S	36 1/2"	11/20	2:54			11/21	3:03	11 1/2	11/21	3:33	30	2.25	13.3

Sum of Percolation Rates: 82.2
Average of Rates: 11.7 min/in
Rate Used for Calculation: 12 min/in

Person Conducting Percolation Tests

Name: KAREN L. COEN-BROWN
Phone: (402) 423-7751
Address 5930 S. 52nd ST CT
LINCOLN NE 68516

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks

Signature of Reviewing Official Date

FORM 23-101 10-96

PERC TEST - 9300 SW 56th

FIRST 11/21 TEMP 45°

#1	11:03	16		11:33	18 3/4 +	17 1/8	12:04 19 1/2
#2	11:04	16 1/2		11:34	19 3/4 +	17 1/8	12:05 19 1/8
#3	11:05	14 1/2		11:35	18" +	13"	12:06 16" + 13"
#4	11:09	15		11:37	17 3/8 +	15 1/4"	12:08 16 3/4
#5	11:12	15		11:38	17 1/2 +	15 1/8	12:09 17 1/8
#6	11:15	18" TOW		11:40	19 1/2 +	17 3/4	12:10 19 1/2
#7	11:17	20 1/2" TOW		11:42	21 1/4 +	18 3/8	12:13 19 1/2

NO WATER IN HOLES

#1	12:36	Dry		12:44	15 1/8		
#2	12:37	21.0"		12:45	14.0"		
#3	12:38	16 1/8"		12:47	12 1/2"		
#4	12:39	18.0"		12:50	13 3/4"		
#5	12:40	19 1/8"		12:52	13 1/4		
	12:41	21 7/8		12:54	15 3/8		
	12:42	21.0"		12:55	20 1/2		

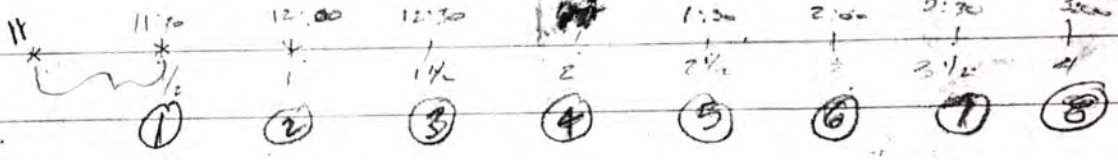
#1	1:19	18 3/8	X	1:25	16 3/4	#1 1:55	19 3/8 + 14 1/4
#2	1:20	17 1/2	X	1:26	15 1/2	#2 1:57	18 3/4 + 12 3/4
#3	1:21	16 3/4	X	1:27	13 1/2	#3 1:58	17 1/8 + 14 1/4
#4	1:22	14 3/4	X	1:28	12 5/8	#4 1:59	14 1/2 + 10 1/2
#5	1:23	15 1/4	X	1:29	13 1/4	#5 2:01	15 1/2 + 11 7/8
#6	1:24	17 3/4	X	1:30	13 3/4	#6 2:02	17 1/4 + 13 3/4
#7	1:25	19 1/2	X	1:31	14 1/4	#7 2:03	16 + 9 1/4

#6

#1 2:25 $16\frac{5}{8}$ * $12\frac{1}{4}$
#2 2:26 $15\frac{5}{8}$ + $12\frac{1}{8}$
#3 2:27 $17\frac{3}{8}$ + $13\frac{5}{8}$
#4 2:28 $12\frac{1}{2}$ + $9\frac{7}{8}$
#5 2:29 $13\frac{3}{4}$ + $9\frac{5}{8}$
#6 2:30 $14\frac{1}{2}$ + $9\frac{3}{4}$
#7 2:31 11" + $8\frac{7}{8}$

#7

#1 2:55 $15\frac{3}{8}$ + $13\frac{1}{8}$
#2 2:56 $15\frac{1}{8}$ $13\frac{5}{8}$
#3 2:58 $17\frac{1}{4}$ $14\frac{1}{2}$
#4 3:00 $11\frac{3}{4}$ $9\frac{5}{8}$
#5 3:01 $12\frac{1}{2}$ $10\frac{7}{8}$
#6 3:02 $13\frac{3}{8}$ —
#7 3:03 $11\frac{1}{2}$ —



#8

#1 3:25 $16\frac{1}{8}$
#2 3:26 $16\frac{1}{4}$
#3 3:28 $17\frac{5}{8}$
#4 3:30 $11\frac{1}{2}$
#5 3:31 $13\frac{1}{8}$
#6 3:32 $16\frac{7}{8}$
#7 3:33 $13\frac{3}{4}$

$16\frac{1}{8} - 13\frac{1}{8} = 3$
$16\frac{1}{4} - 13\frac{5}{8}$ $2\frac{5}{8}$
$17\frac{5}{8} - 14\frac{1}{2}$ $3\frac{1}{8}$
$11\frac{1}{2} - 9\frac{5}{8}$ $1\frac{7}{8}$
$13\frac{1}{8} - 10\frac{7}{8}$ $2\frac{1}{4}$
$16\frac{7}{8} - 13\frac{3}{8}$ $3\frac{1}{2}$
$13\frac{3}{4} - 11\frac{1}{2}$ $2\frac{1}{4}$

0,2

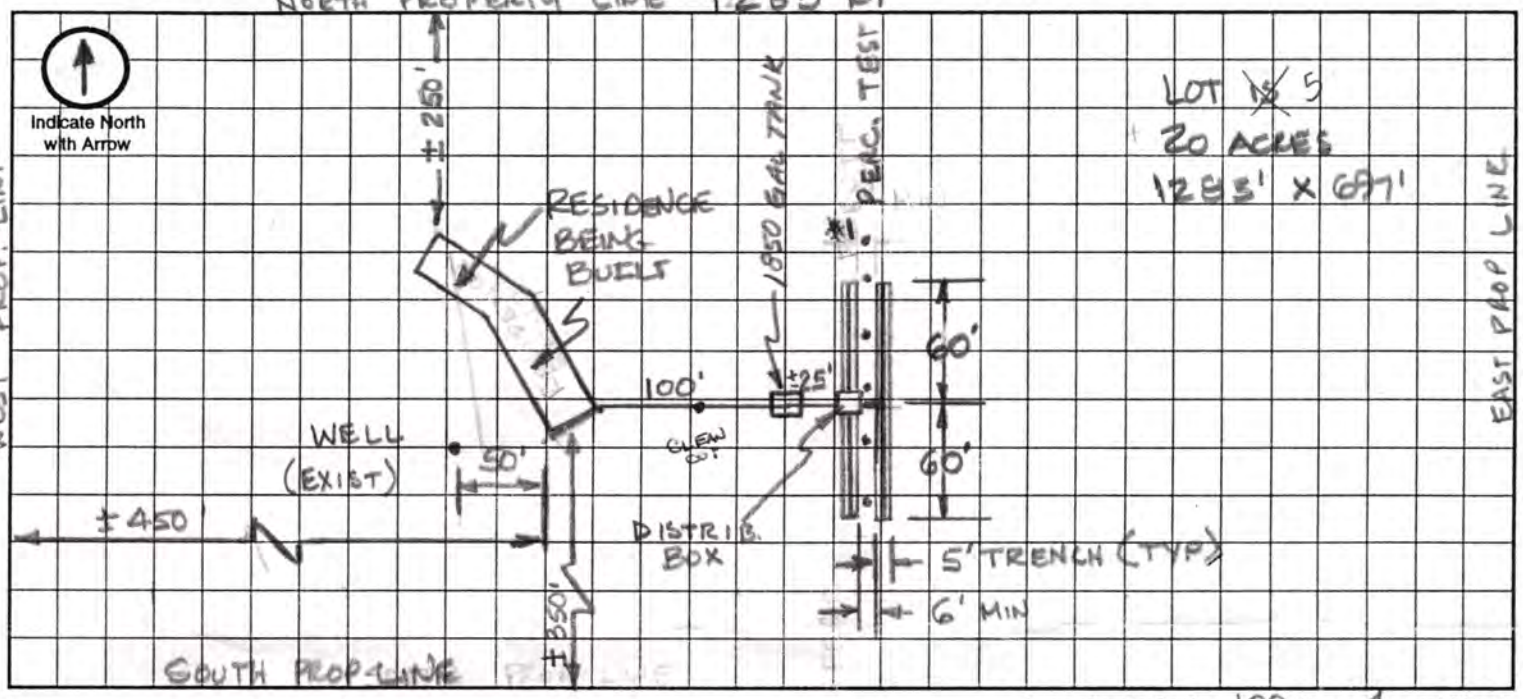
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

C

Permit Number: 9838 01907

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: 100 ft. = 4 grid line/s

A. System Location (Indicate correct number and street)

Address (no rural route) 9300 SW 56th City DENTON NE, Zip 68339

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ Plastic ☐ Other _____

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

Percolation Rate 11.7 (min. per inch) Soil Type: WYMORE SILTY CLAY LOAM Land Slope: 1 TO 2 %

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

Total Square Feet of Field Required: 1140 sq. ft.

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

Capacity of Septic Tank 1850 gals Number of Absorption Beds: 1 Number of Distribution Laterals per Bed 1

Total Length of Laterals 240 ft. Number of Trenches 4 Trench Width 5'

D. Setbacks Check the Boxes Below if the Required Setback has been Satisfied

Distance From	Private Well	Public Well NA	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 ☐ NA	500 ☐	50 ☐	N/A ☐	30 ☐	50 ☐	100 ☐	200 ☐	☐

E. Required Signatures

Home Building Contractor MEYER HOMES 2816 TENNYSON LINCOLN NE 68516 Date 11-30-98

Installer James Minnich Date 11-26-98

FORM 23-102 10-96

need completed + correct drawing

D

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

Permit Number:

Sewage Disposal System

As Built Plans & Specifications

Date 4/23/99

System Location (Indicate correct number and street)

Address 9300 SW 56th ST. (no rural route) City DENTON NE, Zip 68339

A. Building Sewer

1. Material: PVC
   Diameter: 4" in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 6 in.
3. Distance between dwelling and septic tank: 76 ft.
4. Number of clean-outs: 1
5. Distances to: well or suction line 90 ft.
   stream — ft.
   pressure line — ft.
   property line 325 ft.

B. Septic Tank

1. Material: CONCRETE
   Number of compartments: 1
2. Capacity: 1750 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter 10x7 in.
   ϕ15" @ center Over outlet, diameter 10x7 in.
   Riser: ☐ above ☐ below grade — in.
5. Inlet: ☒ baffle ☐ tee
6. Outlet: ☒ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 12 in.
8. Distances to: Well or suction line 165 ft.
   Stream — ft.
   Pressure line — ft.
   Property line 325 ft.

C. Distribution Box

1. Material: CONCRETE
   Number available outlets: 4
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 29 ft.

D. Absorption Field

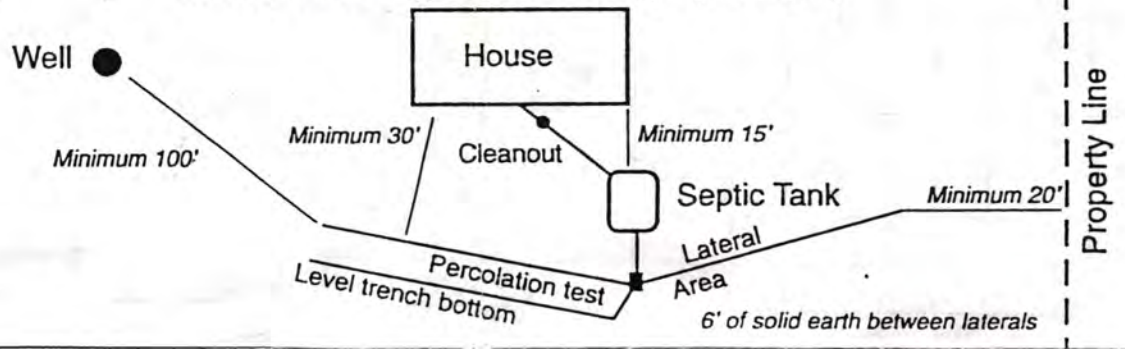
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe EQUALIZER
   Diameter of half round: ± 12" (TAPER)
   or perforated pipe: _____
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other _____
2. Lateral lines: Number 4
   Length of each line: 75 ft. 75 ft.
   75 ft. 75 ft., _____ ft.
3. Trench dimensions: Width 4 ft.
   Slope LEVEL in/100 ft.
   Average depth 26 in
4. Filter material: GRAVEL
   Depth of material _____ in.
5. Distances to: Well or suction line 180' ft.
   Stream — ft.
   Pressure line — ft.
   Property line 275 ft.

Indicate North with Arrow

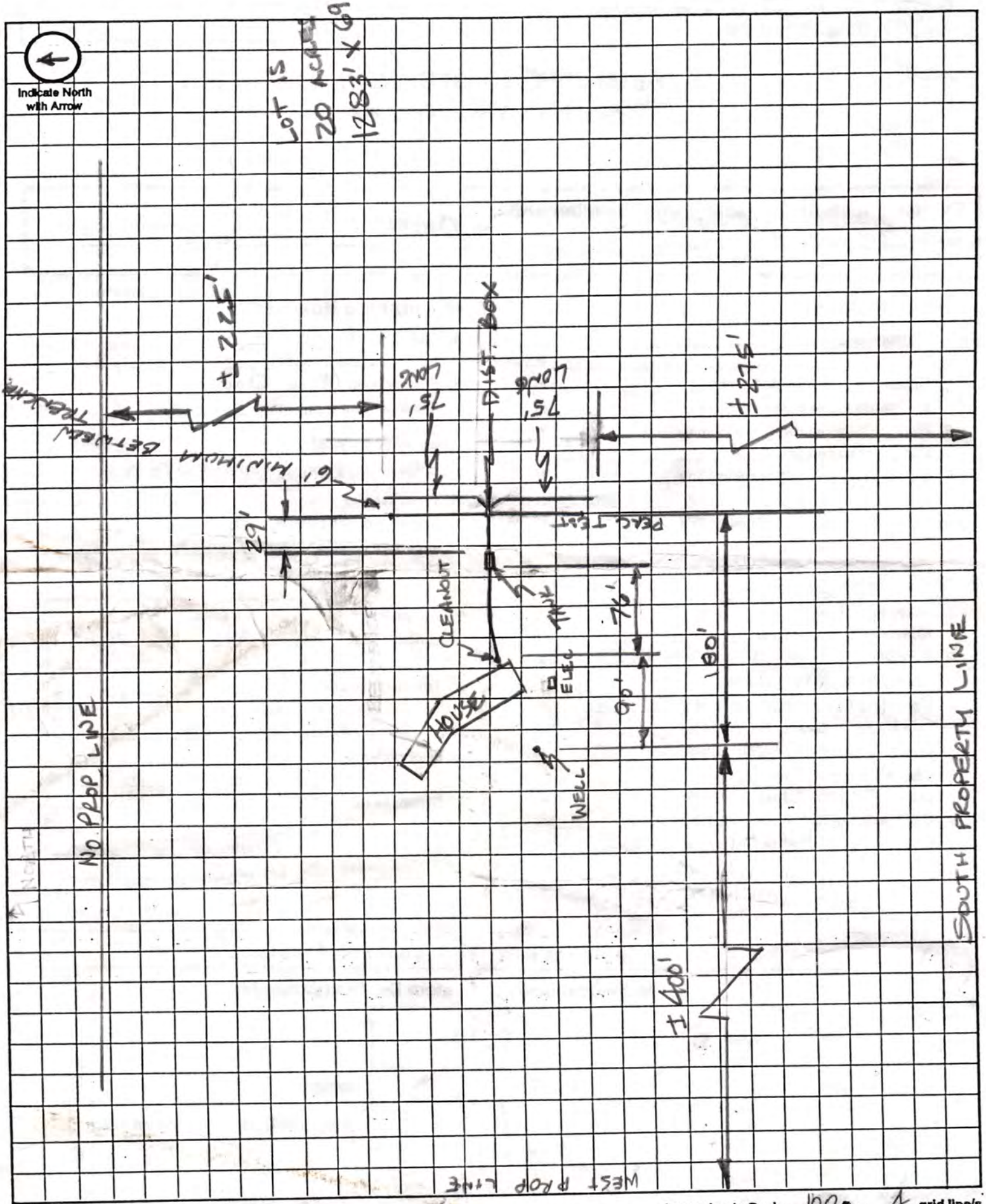
Complete "As Built" drawing on back of this form.

Individual Sewage System Design (Example)



FORM 23-103 10-96

As Built Drawing



Approximate Scale: 100 ft. = 4 grid line/s