Lincoln-Lancaster County Health Department

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

Permit

SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 00380219401

Issued 06/07/00
Expires 12/07/00
Revenue Code 3157

FEES: $150.00

Establishment

JIM WAMBOLD
T12N R6E SEC 1
LOT 3
23300 N 14 ST-CERESCO

TOTAL: $150.00

Permitee

JIM WAMBOLD
6111 S 42 ST
LINCOLN NE 68516

Leon F. Vinci, MPH, Health Director

• POST IN A PROMINENT PLACE • NOT TRANSFERABLE

013334

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

A

Permit Number: 003802194

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 23300 N 14th (no rural route) City CERESCO NE, Zip 68017

Legal Description T12N, R6E, SEC 1, LOT 3
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 JIM & SUSAN WAMBOLD Signature Susan Wambold

Address 6111 So. 43 RD City/State/Zip LINCOLN, NE 68516

☐ Check if owner designed system Home Phone 423-3742 Work Phone 890-2909 CELL

C. Contractor

Name NOT DESIDED Company Name _____

Address _____ City/State/Zip _____

☐ Check if contractor designed system Work Phone _____

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 6/7/00 Date frwd 6/7/00 **ACTION** ☒ Approved ☐ Disapproved Signature Jerrold C. Hood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 6/7/00 Date frwd _____ **ACTION** ☐ Approved ☐ Disapproved Signature _____
3. **City or County Engineer** Date rec'd 6/7/00 Date frwd 6/7/00 **ACTION** ☒ Approved ☐ Disapproved Signature _____

Installation Final Written Approval

By Paul D. Thum

Date 11-6-00

Business Office Use Only

Date Rec'd 06/07/00
Amt Paid 150.00
Rec'd By _____ ~~Cash~~/Check No. 4798

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

June 5, 2000

Terracon
4921 North 57th Street, Suite 1
Lincoln, Nebraska 68507
(402) 466-3911 Fax: (402) 466-0811

Mr. Jim Wambold
6111 South 42nd Street
Lincoln, NE 68516

Re: Percolation Test Results
23300 North 14th Street
Ceresco, Nebraska

Dear Mr. Wambold:

As requested, a Terracon geotechnical engineer completed percolation testing at the referenced site. The percolation tests were completed within the proposed lateral field boundary as indicated by yourself. The soils encountered at the site consisted of clay loam; groundwater was observed at a depth of about 9½ feet in the boring.

The results of the six percolation tests along with a diagram showing the location of the percolation test holes are attached.

We appreciate the opportunity to be of service to you on this project. Please contact us if you have any questions concerning this report, or if we may be of further service to you.

Sincerely,
TERRACON

Prepared By:

Scott G. Miller, E.I.T.
Operations Manager

SGM:sgm

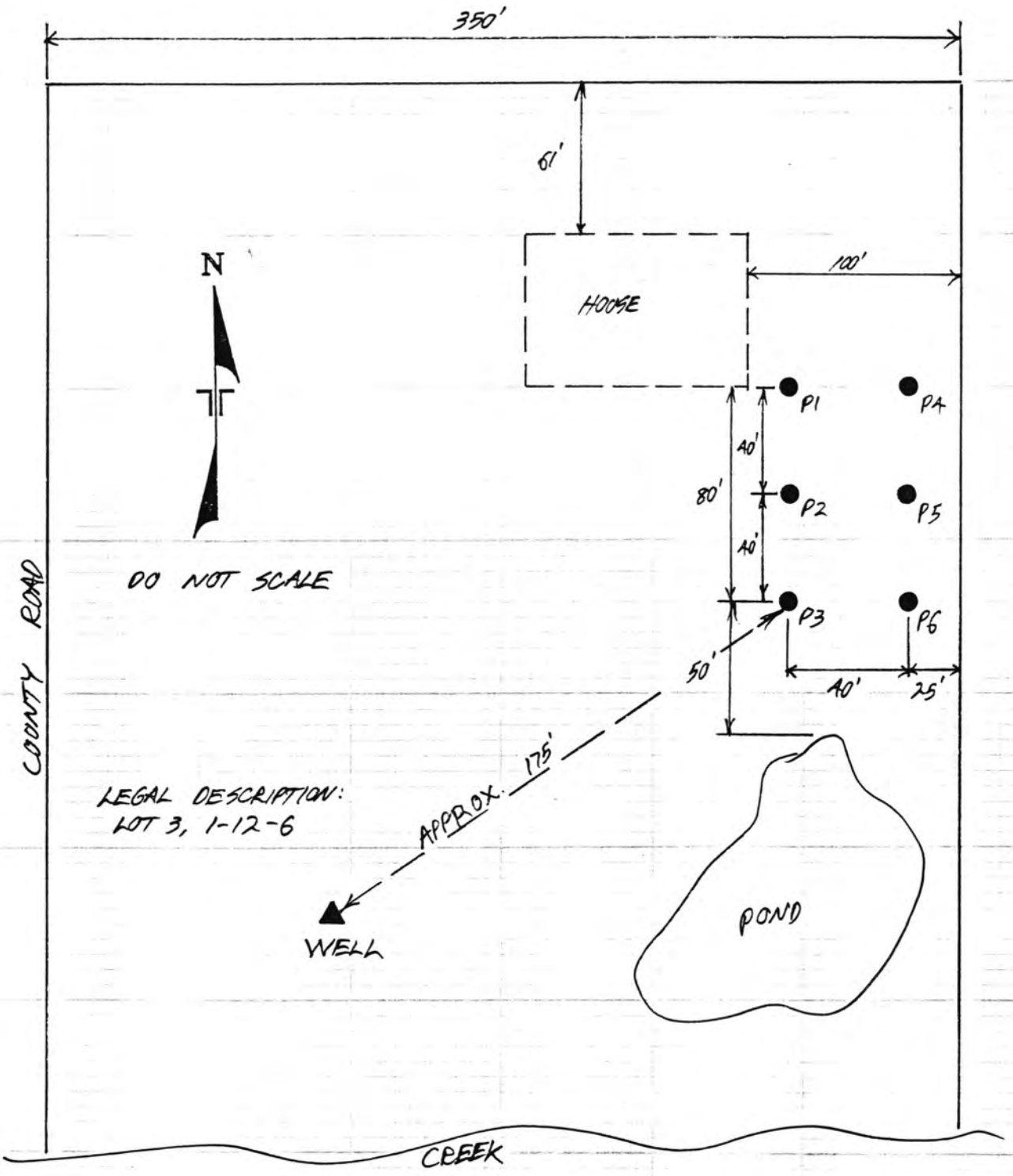
Attachments

Copies to: Addressee (3)

Terracon

PROJECT: WAMBOLD PERC. TEST Page 1 of 1

JOB NO. _____ Date 6-5-00 Comp. By SGM CHECKED BY: _____



Form 112—5-93

PERCOLATION TEST DATA

SOIL ABSORPTION TEST DATA
LEGAL DESCRIPTION OF PROPERTY WHERE SOIL TESTED:

Lot Size or Acres: 4.86 acres (attach sketch of property showing hole locations)

Property Owners Name: Jim Wambold **Address:** 23300 North 14th Street, Ceresco, Nebraska

Soil Type: Silty Clay: _____ Silty Clay Loam: _____ Sandy Loam: _____

Silty Loam: _____ Clay Loam: x Sandy Clay: _____

Dates of Tests: 6/3/00 **Weather:** Precip.: 0 inches, Temp.: 65 °F

No. of Bedrooms: 4 **Septic Tank Capacity:** NA gallons

Lateral Lines:
Number: NA Length of each line: NA feet
Total Length of Laterals: NA feet

Hole Number	Pre-Saturation Period				Percolation Readings				Results		
	Start		Stop		Start		Stop		Elapsed Time (min)	Water Level Drop (inches)	Percolation Rates (min/inch)
	Date	Time (hr:min)	Date	Time (hr:min)	Time (hr:min)	Water Level (inches)	Time (hr:min)	Water Level (inches)			
P1	6/2/00	10:45	6/3/00	11:02	11:02	33.00	11:32	38.00	30	5.00	6
					11:32	33.00	12:02	34.00	30	1.00	30
					12:02	33.00	12:32	34.00	30	1.00	30
					12:32	33.00	13:02	34.00	30	1.00	30
					13:02	33.00	13:32	34.50	30	1.50	20
					13:32	33.00	14:02	34.50	30	1.50	20
					14:02	33.00	14:32	34.50	30	1.50	20
* Note: Hole was dry after saturation period.					14:32	33.00	15:02	34.00	30	1.00	30

Sum of Percolation Rates: 186
Average of Rates: 23
Inches per Minute: 0.04
Final Period Rate: 30

Signature of Person Conducting Test

Terracon
4921 North 57th St, Suite 1
Lincoln, NE 68507

sgm: perctest.xls

PERCOLATION TEST DATA

SOIL ABSORPTION TEST DATA
LEGAL DESCRIPTION OF PROPERTY WHERE SOIL TESTED:

Lot Size or Acres: 4.86 acres (attach sketch of property showing hole locations)

Property Owners Name: Jim Wambold **Address:** 23300 North 14th Street, Ceresco, Nebraska

Soil Type: Silty Clay: _____ Silty Clay Loam: _____ Sandy Loam: _____

Silty Loam: _____ Clay Loam: x Sandy Clay: _____

Dates of Tests: 6/3/00 **Weather:** Precip.: 0 inches, Temp.: 65 °F

No. of Bedrooms: 4 **Septic Tank Capacity:** NA gallons

Lateral Lines:
Number: NA Length of each line: NA feet
Total Length of Laterals: NA feet

Hole Number	Pre-Saturation Period				Percolation Readings				Results		
	Start		Stop*		Start		Stop		Elapsed Time (min)	Water Level Drop (inches)	Percolation Rates (min/inch)
	Date	Time (hr:min)	Date	Time (hr:min)	Time (hr:min)	Water Level (inches)	Time (hr:min)	Water Level (inches)			
P2	6/2/00	10:50	6/3/00	11:02	11:02	29.00	11:32	32.00	30	3.00	10
					11:32	29.00	12:02	31.50	30	2.50	12
					12:02	29.00	12:32	30.00	30	1.00	30
					12:32	29.00	13:02	30.50	30	1.50	20
					13:02	29.00	13:32	30.50	30	1.50	20
					13:32	29.00	14:02	30.50	30	1.50	20
					14:02	29.00	14:32	30.00	30	1.00	30
* Note: Hole was dry after saturation period.					14:32	29.00	15:02	30.00	30	1.00	30

Sum of Percolation Rates: 172
Average of Rates: 22
Inches per Minute: 0.05
Final Period Rate: 30

Signature of Person Conducting Test

Terracon
4921 North 57th St, Suite 1
Lincoln, NE 68507

PERCOLATION TEST DATA

SOIL ABSORPTION TEST DATA
LEGAL DESCRIPTION OF PROPERTY WHERE SOIL TESTED:

Lot Size or Acres: 4.86 acres (attach sketch of property showing hole locations)

Property Owners Name: Jim Wambold **Address:** 23300 North 14th Street
Ceresco, Nebraska

Soil Type: Silty Clay: _____ Silty Clay Loam: _____ Sandy Loam: _____

Silty Loam: _____ Clay Loam: x Sandy Clay: _____

Dates of Tests: 6/3/00 **Weather:** Precip.: 0 inches
Temp.: 65 °F

No. of Bedrooms: 4 **Septic Tank Capacity:** NA gallons

Lateral Lines:
Number: NA Length of each line: NA feet
Total Length of Laterals: NA feet

Hole Number	Pre-Saturation Period				Percolation Readings				Results		
	Start		Stop*		Start		Stop		Elapsed Time (min)	Water Level Drop (inches)	Percolation Rates (min/inch)
	Date	Time (hr:min)	Date	Time (hr:min)	Time (hr:min)	Water Level (inches)	Time (hr:min)	Water Level (inches)			
P3	6/2/00	10:57	6/3/00	11:07	11:07	30.00	11:37	33.00	30.00	3.0	10
					11:37	30.00	12:07	33.00	30.00	3.0	10
					12:07	30.00	12:37	32.00	30.00	2.0	15
					12:37	30.00	13:07	31.50	30.00	1.5	20
					13:07	30.00	13:37	31.50	30.00	1.5	20
					13:37	30.00	14:07	31.50	30.00	1.5	20
					14:07	30.00	14:37	31.00	30.00	1.0	30
* Note: Hole was dry after saturation period.					14:37	30.00	15:07	31.00	30.00	1.0	30

Sum of Percolation Rates: 155
Average of Rates: 19
Inches per Minute: 0.05
Final Period Rate: 30

Signature of Person Conducting Test

Terracon
4921 North 57th St, Suite 1
Lincoln, NE 68507

sgm: perctest.xls

PERCOLATION TEST DATA

SOIL ABSORPTION TEST DATA
LEGAL DESCRIPTION OF PROPERTY WHERE SOIL TESTED:

Lot Size or Acres: 4.86 acres (attach sketch of property showing hole locations)

Property Owners Name: Jim Wambold **Address:** 23300 North 14th Street, Ceresco, Nebraska

Soil Type: Silty Clay: _____ Silty Clay Loam: _____ Sandy Loam: _____

Silty Loam: _____ Clay Loam: x Sandy Clay: _____

Dates of Tests: 6/3/00 **Weather:** Precip.: 0 inches, Temp.: 65 °F

No. of Bedrooms: 4 **Septic Tank Capacity:** NA gallons

Lateral Lines:
Number: NA Length of each line: NA feet
Total Length of Laterals: NA feet

Hole Number	Pre-Saturation Period				Percolation Readings				Results		
	Start		Stop*		Start		Stop		Elapsed Time (min)	Water Level Drop (inches)	Percolation Rates (min/inch)
	Date	Time (hr:min)	Date	Time (hr:min)	Time (hr:min)	Water Level (inches)	Time (hr:min)	Water Level (inches)			
P4	6/2/00	10:47	6/3/00	11:00	11:00	29.00	11:30	31.00	30.00	2.0	15.00
					11:30	29.00	12:00	30.50	30.00	1.5	20.00
					12:00	29.00	12:30	31.00	30.00	2.0	15.00
					12:30	29.00	13:00	31.00	30.00	2.0	15.00
					13:00	29.00	13:30	31.00	30.00	2.0	15.00
					13:30	29.00	14:00	30.50	30.00	1.5	20.00
					14:00	29.00	14:30	30.50	30.00	1.5	20.00
* Note: Hole was dry after saturation period.					14:30	29.00	15:00	30.50	30.00	1.5	20.00

Sum of Percolation Rates: 140
Average of Rates: 18
Inches per Minute: 0.06
Final Period Rate: 20

Signature of Person Conducting Test

Terracon
4921 North 57th St, Suite 1
Lincoln, NE 68507

sgm: perctest.xls

PERCOLATION TEST DATA

SOIL ABSORPTION TEST DATA
LEGAL DESCRIPTION OF PROPERTY WHERE SOIL TESTED:

Lot Size or Acres: 4.86 acres (attach sketch of property showing hole locations)

Property Owners Name: Jim Wambold **Address:** 23300 North 14th Street, Ceresco, Nebraska

Soil Type: Silty Clay: _____ Silty Clay Loam: _____ Sandy Loam: _____

Silty Loam: _____ Clay Loam: x Sandy Clay: _____

Dates of Tests: 6/3/00 **Weather:** Precip.: 0 inches, Temp.: 65 °F

No. of Bedrooms: 4 **Septic Tank Capacity:** NA gallons

Lateral Lines:
Number: NA Length of each line: NA feet
Total Length of Laterals: NA feet

Hole Number	Pre-Saturation Period				Percolation Readings				Results		
	Start		Stop*		Start		Stop		Elapsed Time (min)	Water Level Drop (inches)	Percolation Rates (min/inch)
	Date	Time (hr:min)	Date	Time (hr:min)	Time (hr:min)	Water Level (inches)	Time (hr:min)	Water Level (inches)			
P5	6/2/00	11:53	6/3/00	11:04	11:04	30.00	11:34	33.00	30.00	3.0	10
					11:34	30.00	12:04	33.50	30.00	3.5	9
					12:04	30.00	12:34	33.00	30.00	3.0	10
					12:34	30.00	13:04	33.00	30.00	3.0	10
					13:04	30.00	13:34	33.00	30.00	3.0	10
					13:34	30.00	14:04	32.50	30.00	2.5	12
					14:04	30.00	14:34	32.50	30.00	2.5	12
* Note: Hole was dry after saturation period.					14:34	30.00	15:04	32.00	30.00	2.0	15

Sum of Percolation Rates: 88
Average of Rates: 11
Inches per Minute: 0.09
Final Period Rate: 15

Signature of Person Conducting Test

Terracon
4921 North 57th St, Suite 1
Lincoln, NE 68507

sgm: perctest.xls

PERCOLATION TEST DATA

SOIL ABSORPTION TEST DATA
LEGAL DESCRIPTION OF PROPERTY WHERE SOIL TESTED:

Lot Size or Acres: 4.86 acres (attach sketch of property showing hole locations)

Property Owners Name: Jim Wambold **Address:** 23300 North 14th Street, Ceresco, Nebraska

Soil Type: Silty Clay: _____ Silty Clay Loam: _____ Sandy Loam: _____

Silty Loam: _____ Clay Loam: x Sandy Clay: _____

Dates of Tests: 6/3/00 **Weather:** Precip.: 0 inches, Temp.: 65 °F

No. of Bedrooms: 4 **Septic Tank Capacity:** NA gallons

Lateral Lines:
Number: NA Length of each line: NA feet
Total Length of Laterals: NA feet

Hole Number	Pre-Saturation Period				Percolation Readings				Results		
	Start		Stop*		Start		Stop		Elapsed Time (min)	Water Level Drop (inches)	Percolation Rates (min/inch)
	Date	Time (hr:min)	Date	Time (hr:min)	Time (hr:min)	Water Level (inches)	Time (hr:min)	Water Level (inches)			
P6	6/2/00	10:56	6/3/00	11:05	11:05	33.00	11:35	39.00	30.00	6.0	5.00
					11:35	33.00	12:05	37.00	30.00	4.0	7.50
					12:05	33.00	12:35	37.00	30.00	4.0	7.50
					12:35	33.00	13:05	37.00	30.00	4.0	7.50
					13:05	33.00	13:35	36.50	30.00	3.5	8.57
					13:35	33.00	14:05	36.50	30.00	3.5	8.57
					14:05	33.00	14:35	36.00	30.00	3.0	10.00
* Note: Hole was dry after saturation period.					14:35	33.00	15:05	36.00	30.00	3.0	10.00

Sum of Percolation Rates: 65
Average of Rates: 8
Inches per Minute: 0.12
Final Period Rate: 10

Signature of Person Conducting Test

Terracon
4921 North 57th St, Suite 1
Lincoln, NE 68507

sgm: perctest.xls

PERCOLATION TEST DATA SUMMARY

SOIL ABSORPTION TEST DATA
LEGAL DESCRIPTION OF PROPERTY WHERE SOIL TESTED:

Lot Size or Acres: 4.86 acres (attach sketch of property showing hole locations)

Property Owners Name: Jim Wambold **Address:** 23300 North 14th Street
Ceresco, Nebraska

Soil Type: Silty Clay: _____ Silty Clay Loam: _____ Sandy Loam: _____

Silty Loam: _____ Clay Loam: x Sandy Clay: _____

Dates of Tests: 6/3/00 **Weather:** Precip.: 0 inches
Temp.: 65 °F

No. of Bedrooms: 4 **Septic Tank Capacity:** NA gallons

Lateral Lines:
Number: NA Length of each line: NA feet
Total Length of Laterals: NA feet

Test Number	Final Period Rate (min/inch)
P1	30
P2	30
P3	30
P4	20
P5	15
P6	10
Average of Tests:	**23**



sgm: perctest.xls

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

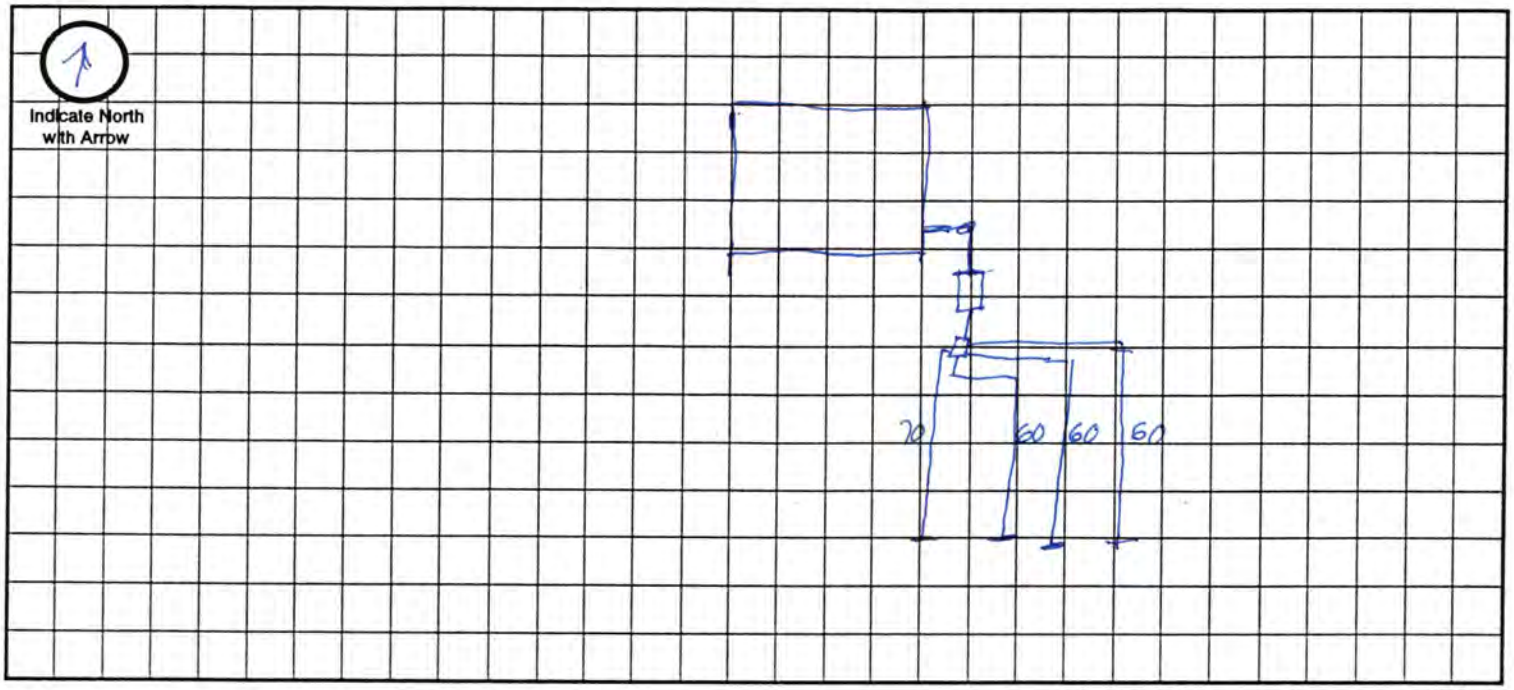
C

Permit Number: 00380219C

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) 23000 N. 14 City Ceresco NE, Zip 68017

B. Proposed Septic Tank/s

Tank Material: ☐ Concrete ☐ Plastic ☐ Other _____

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

Percolation Rate 23 (min. per inch) Soil Type: JUDSON SILT LOAM Land Slope: _____ %

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

Total Square Feet of Field Required: 1000 sq. ft.

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

Capacity of Septic Tank 1250 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals 250 ft. Number of Trenches _____ 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 Jim Wamsley Date 6-6-00

Installer Brad Smith Date 6-6-00

FORM 23-102 10-96

NOV 6 2000 **D**

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

Permit Number: 003802194

Sewage Disposal System
As Built Plans & Specifications

Date 10-28-00

System Location (Indicate correct number and street)

Address 23300 No. 14th (no rural route) City Ceresco NE, Zip 68017

A. Building Sewer

1. Material: PVC
   Diameter: 4 in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: _____ in.
3. Distance between dwelling and septic tank: 17 ft.
4. Number of clean-outs: 1
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: 3
2. Capacity: 1500 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter 24 in.
   Over outlet, diameter 12 in.
   Riser: ☐ above ☒ below grade 6 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 200 ft.
   Stream NA ft.
   Pressure line NA ft.
   Property line 80 ft.

C. Distribution Box

1. Material: Drop Boxes
   Number available outlets: 4
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 12 ft.

D. Absorption Field

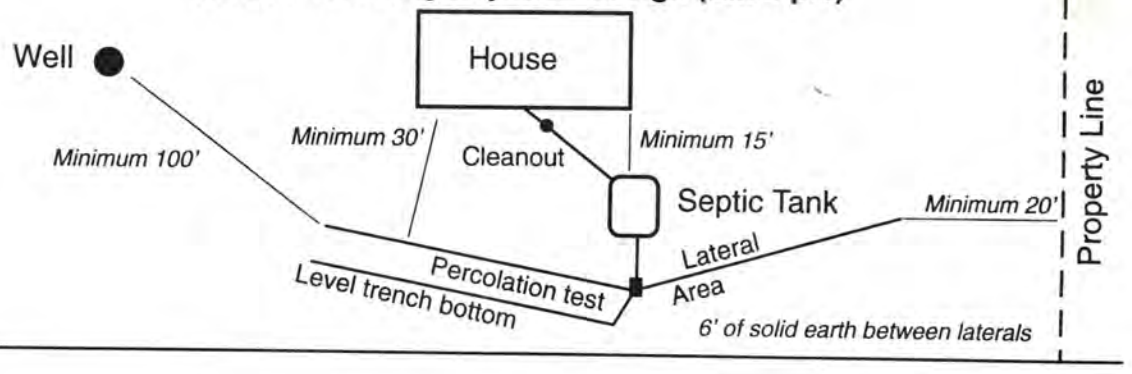
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: 15in
   or perforated pipe: _____
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other _____
2. Lateral lines: Number 5
   Length of each line: 51 ft. 51 ft.
   51 ft. 51 ft., 51 ft.
3. Trench dimensions: Width 4 ft.
   Slope 2 in/100 ft.
   Average depth 30 in
4. Filter material: GRAVEL
   Depth of material 20 in.
5. Distances to: Well or suction line 150 ft.
   Stream NA ft.
   Pressure line NA ft.
   Property line 25 ft.

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

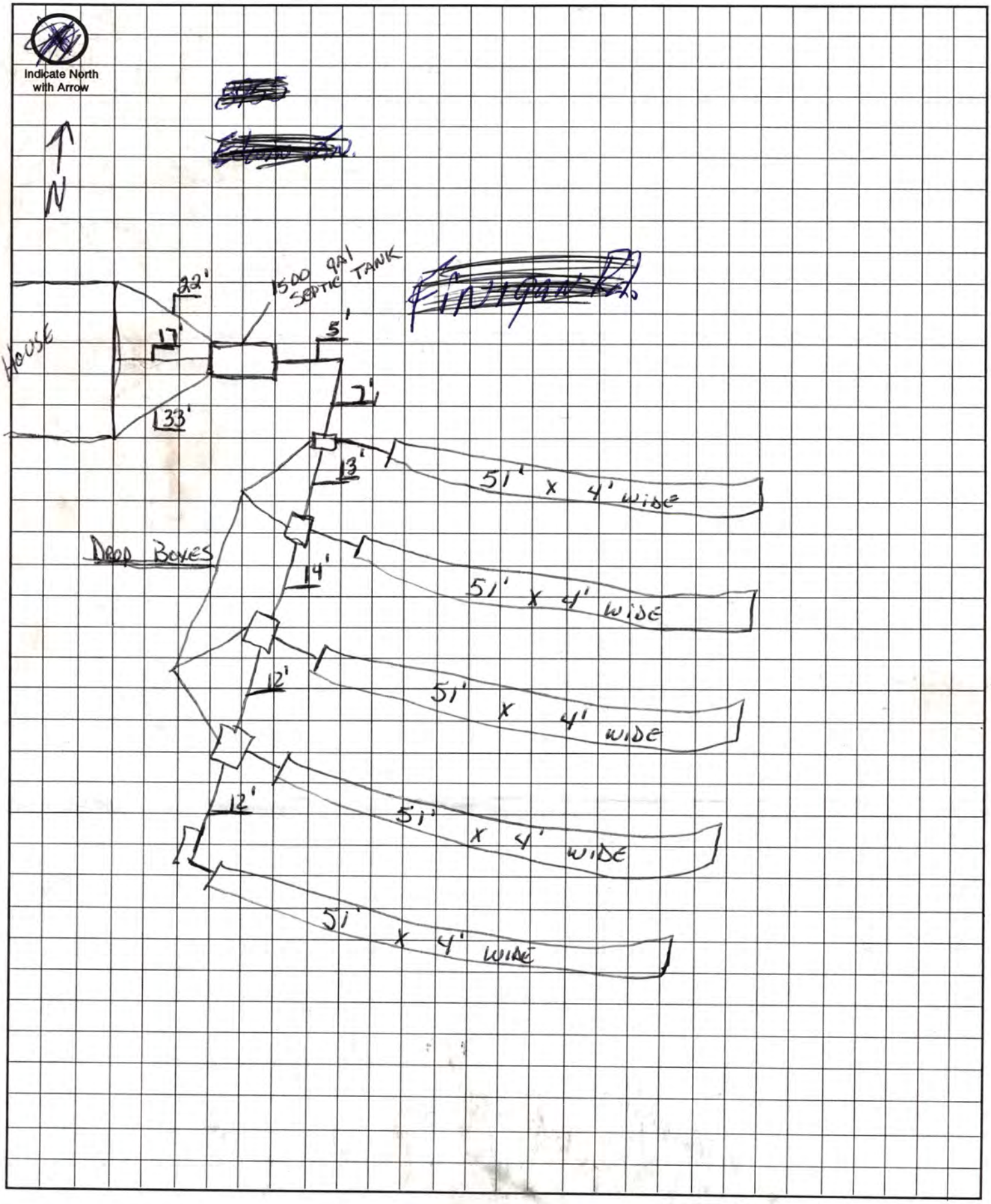
Indicate North with Arrow

Individual Sewage System Design (Example)



FORM 23-103 10-96

As Built Drawing



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