Lincoln-Lancaster County Health Department
ENVIRONMENTAL PUBLIC HEALTH DIVISION

004903

3140 N STREET · LINCOLN, NE 68510-1514

(402) 441-8000

Permit: SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 04380281601

Issued 04/16/04
Expires 10/16/04
Revenue Code 3157

Establishment: FRANK COUGHLIN
T12N R6E SEC 1 QTR SE
E 1/2 LOT 9IT
23101 N 27 ST-CERESCO

FEES: $200.00

Permittee: FRANK COUGHLIN
47303 279TH ST
WORTHING SD 57077

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

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APR 16 2004

A

Permit Number: 04380281601

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 23101 No. 27TH STREET (no rural route) City CERESCO NE, Zip 68017

Legal Description ATTACHED | 13N | 6E | PART 9 I.T.
~~1/4~~ E½ SE | 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 FRANK COUGHLIN Signature Brad Becker for Frank Coughlin

Address 47303 279TH STREET City/State/Zip WORTHING, SD 57077

☐ Check if owner designed system Home Phone (605) 372-0054 Work Phone (605) 201-0705

C. Contractor

Name BRAD BECKER Company Name BECKER CONSTRUCTION, INC.

Address 2549 COUNTY ROAD B City/State/Zip VALPARAISO, NE 68065

☑ Check if contractor designed system Work Phone (402) 416-3799

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

Designer Name DON Firm AWS Work Phone (OFF) 624-3875 (M) 490-1572

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** (7-26-04 rec Site Eval + Plot 7-27-04)
   Date rec'd 4/16/04 Date frwd 4/19/04
   ACTION ☒ Approved ☐ Disapproved Signature Jerald C. Hood
2. **Supt. Bldg. Insp. or Village Clerk**
   Date rec'd 4-19-04 Date frwd 4-19-04
   ACTION ☒ Approved ☐ Disapproved Signature _____
3. **City or County Engineer**
   Date rec'd 4/19/04 Date frwd 4/19/04
   ACTION ☒ Approved ☐ Disapproved Signature _____

Installation Final Written Approval

By Ron Maynard

Date 7-28-04

Business Office Use Only

Date Rec'd 04/16/04
Amt Paid 200.00
Rec'd By LS ~~Cash~~/Check No. 1231 LS

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

Lancaster County Health Department
Division of Housing & Environmental Health

SOIL ABSORPTION TEST DATA REPORT

PROPERTY WHERE SOIL TESTED:
Location: Township 12 NORTH, RANGE 6
Section & ¼ Sect. SEE LEGAL ATTACHED
Property Dimensions: 1302 ft. x 1105 ft.
Area: 35 acres. (Attach sketch of property showing hole location).

Owner: Frank Caughlin
Address: 23101 N 27TH STREET

Soil Type: Silty Clay ☐ ; Silty Clay Loam ☑ ; Sandy Loam ☐
Silty Loam ☐ ; Clay Loam ☐ ; Sandy Clay ☑

Dates of Tests: 4/12/04 to 4/13/04. Weather: Precip. 0 Temp. 55 F

PERCOLATION TEST DATA TABLE

a. Hole No.	b. Hole Depth (in.)	c. Pre-Saturation Period Start Date (Mo. Day)	c. Pre-Saturation Period Start Time (Hr. Min.)	d. Pre-Saturation Period End Date (Mo. Day)	d. Pre-Saturation Period End Time (Hr. Min.)	e. Percolation readings Start Date (Mo. Day)	e. Percolation readings Start Time (Hr. Min.)	f. Water Level (in.)	g. Percolation readings End Time (Hr. Min.)	h. Water Level (in.)	i. Results Elapsed Time (Min.)	j. Results Water Level Drop (in.)	k. Percolation Rates (Min./inch
1	36		9:00		9:00		9:00	6	10:00	2	60	4	15
2	〃	〃	〃	〃	〃	〃	〃	〃	〃	2½	〃	3½	17
3	〃	〃	〃	〃	〃	〃	〃	〃	〃	3	〃	3	20
4	〃	〃	〃	〃	〃	〃	〃	〃	〃	2½	〃	3½	17
5	〃	〃	〃	〃	〃	〃	〃	〃	〃	3	〃	3	20
6	〃	〃	〃	〃	〃	〃	〃	〃	〃	2	〃	4	15

Sum of Percolation Rates 104
Average of Rates:
Inches per minute: 17.33

AWS Well Co
Signature of Person Conducting Test

Address Mead Ne. 68041
Phone 402-624-3895

(Do not write below this line)

REVIEWING ACTION

REMARKS: SHARPSBURG SILTY CLAY LOAM.

Approved Percolation Rate(s)
A. _____ min./inch
B. _____ min./inch
C. _____ min./inch

DATE: APRIL 16, 2004

Gerald C. Hood
Signature of Reviewing Official

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

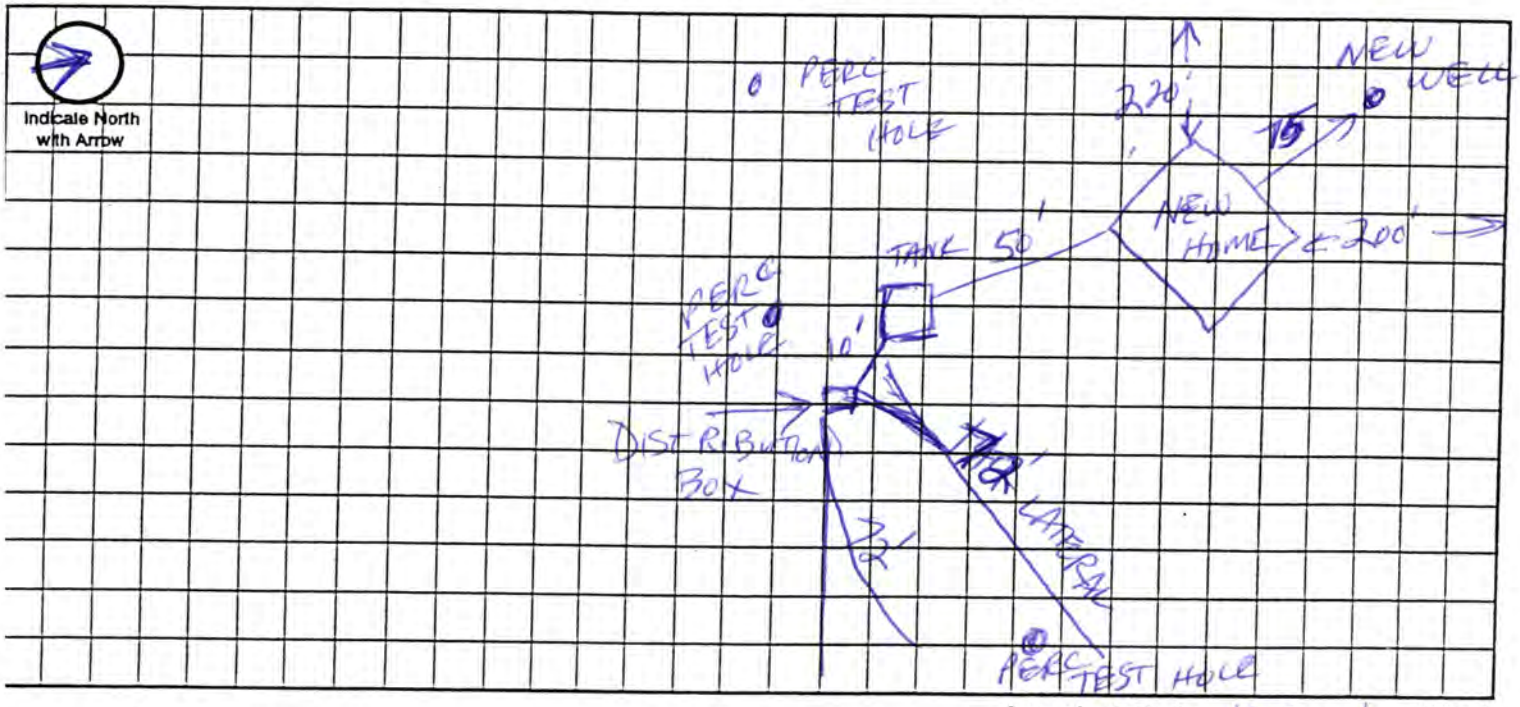
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APR 16 2004

C

Permit Number: 043802816

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. = 1 grid line/s

A. System Location (Indicate correct number and street)

Address (no rural route) 23101 NORTH 27TH 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 17.33 (min. per inch) Soil Type: SILTY CLAY LOAM Land Slope: 2 %

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

Total Square Feet of Field Required: 158 LF sq. ft.

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

Capacity of Septic Tank 1500 gals Number of Absorption Beds: 2 Number of Distribution Laterals per Bed 1

Total Length of Laterals 158 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 Brad Becher Date 4/16/04

Installer Brad Becher for AWS Date 4/16/04

RM 23-102 10-96

Lincoln-Lancaster County Health Department
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D

Permit Number:

Sewage Disposal System

As Built Plans & Specifications

Date 7/27/04

System Location (Indicate correct number and street)

Address 123101 N. 27th (no rural route) City _____ NE, Zip _____

A. Building Sewer

1. Material: 4" Sch 40
   Diameter: _____ in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: _____ in.
3. Distance between dwelling and septic tank: _____ ft.
4. Number of clean-outs: _____
5. Distances to: well or suction line _____ ft.
   stream _____ ft.
   pressure line _____ ft.
   property line _____ ft.

B. Septic Tank

1. Material: Cement
   Number of compartments: 1
2. Capacity: 1500 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter 24 in.
   Over outlet, diameter 24 in.
   Riser: ☒ above ☐ below grade 3 in.
5. Inlet: ☒ baffle ☐ tee
6. Outlet: ☒ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 36 in.
8. Distances to: Well or suction line 100+ ft.
   Stream 100+ ft.
   Pressure line 100+ ft.
   Property line 100+ ft.

C. Distribution Box

1. Material: Plastic
   Number available outlets: 8
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 65 ft.

D. Absorption Field

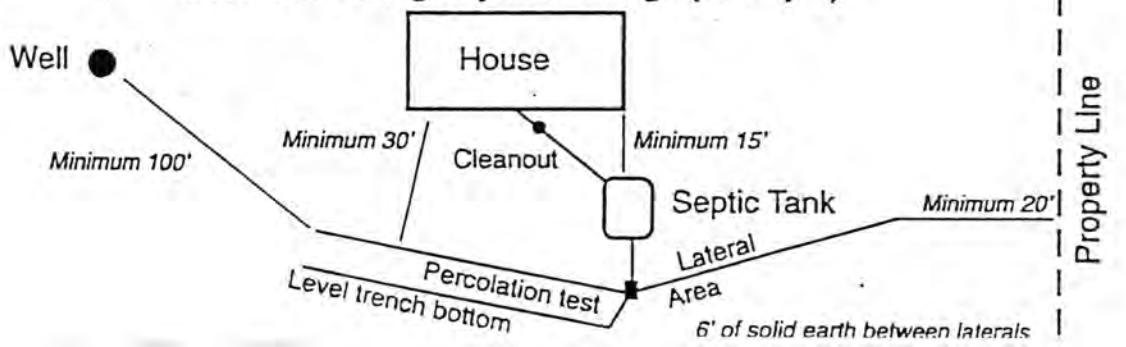
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: 30"
   or perforated pipe: _____
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other _____
2. Lateral lines: Number 2
   Length of each line: 80 ft. 80 ft.
   _____ ft. _____ ft., _____ ft.
3. Trench dimensions: Width 4½ ft.
   Slope 0 in/100 ft.
   Average depth 30" in
4. Filter material: Gravel
   Depth of material 24 in.
5. Distances to: Well or suction line 100+ ft.
   Stream 100+ ft.
   Pressure line 100+ ft.
   Property line 100+ ft.

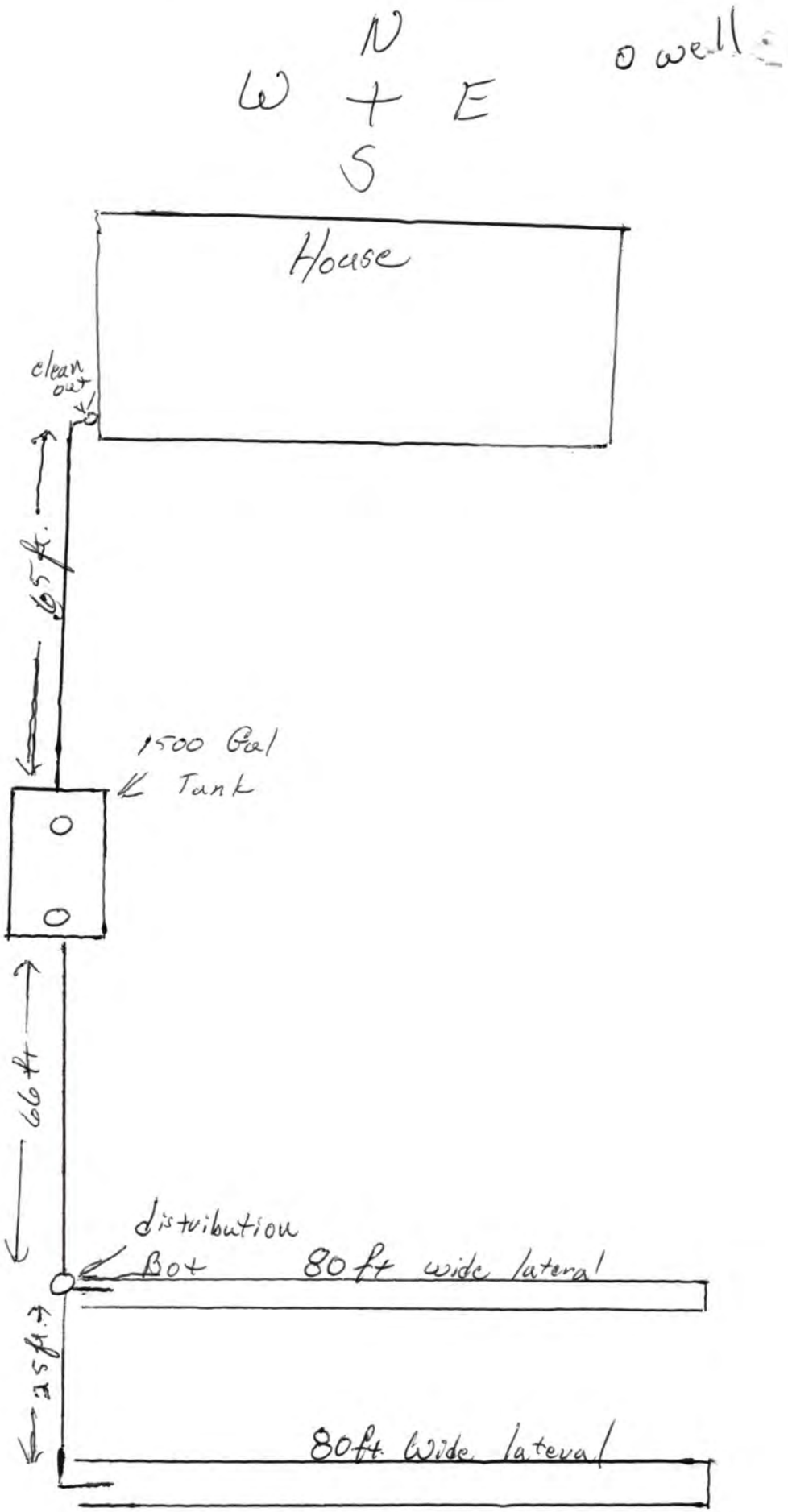
Complete "As Built" drawing on back of this form.

Indicate North with Arrow

Individual Sewage System Design (Example)



FORM 23-103 10-96


N
W + E
S
o well
House
clean out
65 ft.
1500 Gal Tank
66 ft
distribution Box
80 ft wide lateral
25 ft.
80 ft Wide lateral

A tract of land located in the East One-Half of the Southeast Quarter of Section 1, Township 12 North, Range 6 East of the 6th P.M., Lancaster County, Nebraska (more particularly described as follows)

Beginning at the Northeast corner of the East One-Half of the Southeast Quarter of said Section 1; thence in a Westerly direction, along the North line of the East One-Half of the Southeast Quarter of said Section 1, on an assumed bearing of North 88 degrees 36 minutes 08 seconds West for a distance of 1,335.09 feet to Northwest corner of the East One-Half of the Southeast Quarter of section 1; thence South 00 degrees 04 minutes 31 seconds West, along the West line of the East One-Half of the Southeast Quarter of said Section 1, for a distance of 1,105.57 feet; thence South 90 degrees 00 minutes 00 seconds East for a distance of 1,336.14 feet to a point on the East line of the East One-Half of the Southeast Quarter of said Section 1; thence North 00 degrees 00 minutes 00 seconds East, along the East line of the East One-Half of the Southeast Quarter of said Section 1, for a distance of 1,073.00 feet to the point of beginning.