Lincoln-Lancaster County Health Department
ENVIRONMENTAL PUBLIC HEALTH DIVISION

006156

3140 N STREET · LINCOLN, NE 68510-1514

(402) 441-8000

Permit
SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 05380295201

Issued 01/14/05
Expires 07/14/05
Revenue Code 3157

Establishment
FRANK MCARTHUR
T9N R6E SEC 2 QTR SW
501 PIONEERS BLVD

FEES: $200.00

Permittee
FRANK MCARTHUR
510 PIONEERS BLVD
LINCOLN NE 68502

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: 0538295201

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 501 Pioneers (no rural route) City Lincoln NE, Zip 68502

Legal Description SW 1/4 1/4 2 Section 9N Township 6E 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 McCarther Signature ____

Address 501 Pioneers City/State/Zip ____

☐ Check if owner designed system Home Phone ____ Work Phone ____

C. Contractor

Name Action Plbg Jeff Kreifels Company Name Action Plbg & HTG

Address ____ City/State/Zip 4101 So 8th Lincoln

☐ Check if contractor designed system Work Phone 423-6960

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

Designer Name Jeff Kreifels Action Plbg & HTG Firm Action Plbg Work Phone 423-6960

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 1-14-05 Date frwd 1/14/05 ACTION ☑ Approved ☐ Disapproved Signature Jerrold C. Hood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd ____ Date frwd ____ ACTION ☑ Approved ☐ Disapproved Signature Dale Stivrins by Jerry Wittstruck pm
3. **City or County Engineer** Date rec'd 1-14-05 Date frwd 1-14-05 ACTION ☑ Approved ☐ Disapproved Signature Dennis Bartels

Installation Final Written Approval

By Joe Thew

Date 1-14-05

Business Office Use Only
Date Rec'd 01/14/05
Amt Paid 200.00
Rec'd By LS Cash/Check No. 24101

123-100 10-96 White - Health Dept. Yellow - Engineer Pink - Bldg. Inspector

EXISTING System In Floodplain, System tanks moved due to creek bed/flood bridge expansi

B

Permit Number: 05382952

Sewage Disposal System

Soil Absorption Test Data Report

Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 501 Pioneers Blvd. (no rural route) City Lincoln NE, Zip 68502

Owner Frank McArthur Address 501 Pioneers Blvd. Lincoln, NE 68502

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

Date of Tests 6/23/04 to 6/24/04 Weather: Precipitation _____ Temporature _____

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	6/23	11:00	6/24	7:45	6/24	7:45	6	6/24	11:45	30	1 1/2	20
2	36	6/23	11:00	6/24	7:45	6/24	7:45	6	6/24	11:45	30	2 1/2	12
3	36	6/23	11:00	6/24	7:45	6/24	7:45	6	6/24	11:45	30	1 1/2	20
4	36	6/23	11:00	6/24	7:45	6/24	7:45	6	6/24	11:45	30	1 3/4	17
5	36	6/23	11:00	6/24	7:45	6/24	7:45	6	6/24	11:45	30	1	30
6	36	6/23	11:00	6/24	7:45	6/24	7:45	6	6/24	11:45	30	3/4	40

Sum of Percolation Rates: _____

Average of Rates: _____

Rate Used for Calculation: 40

Person Conducting Percolation Tests

Name: Tom Burt - Design Associates of Lincoln, Inc.

Phone: 474-3000

Address 1609 'N' Street

Lincoln, NE 68508

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

Signature of Reviewing Official _____ Date _____

FORM 23-101 10-96

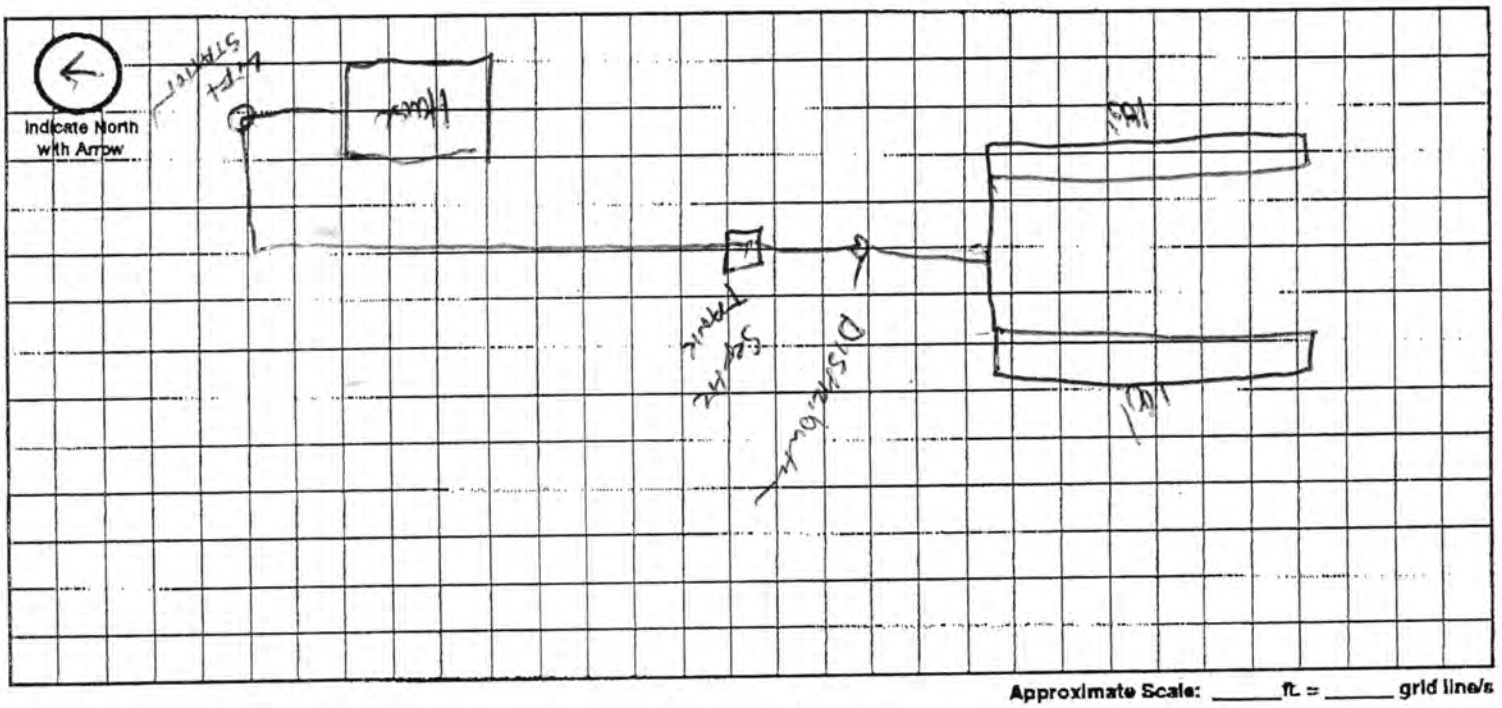
Lincoln-Lancaster County Health Department
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C

Permit Number: 05382952

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) 501 Pioneers City Lincoln NE, Zip NE

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☒ Plastic ☐ Other _____

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

Percolation Rate _____ (min. per inch) Soil Type: _____ Land Slope: _____ %

Type of Absorption System: ☒ Trench ☐ Bed ☐ Other Infiltrator with GRAVEL

Total Square Feet of Field Required: _____ 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 14

Total Length of Laterals 100' ft. Number of Trenches 2 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 Duane Mlinar Date _____

Installer Action Perc + Htg Date 12-30-04

FORM 23-102 10-96

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

D

Permit Number: 05382952

Sewage Disposal System
As Built Plans & Specifications

Date 1/14/05

System Location (Indicate correct number and street)

Address 501 Pioneers (no rural route) City Lincoln NE, Zip NE 68502

A. Building Sewer

1. Material: PVC
   Diameter: 4" in.
2. Distance above basement floor: X in.
   or distance below basement floor: 1' in.
3. Distance between dwelling and septic tank: 92 ft.
4. Number of clean-outs: 7
5. Distances to: well or suction line 100+ ft.
   stream 50+ ft.
   pressure line 100+ ft.
   property line 100+ ft.

B. Septic Tank

1. Material: PLASTIC
   Number of compartments: 1
2. Capacity: 1250 gal.
3. Factory built: ☑ Yes ☐ No
4. Manholes: Over inlet, diameter 8" in.
   Over outlet, diameter 8" in.
   Riser: ☐ above ☐ below grade 6" in.
5. Inlet: ☐ baffle ☐ tee
6. Outlet: ☐ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 1' in.
8. Distances to: Well or suction line 50+ ft.
   Stream 50+ ft.
   Pressure line 50+ ft.
   Property line 50+ ft.

C. Distribution Box

1. Material: PLASTIC
   Number available outlets: 3
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: 40 ft.

D. Absorption Field

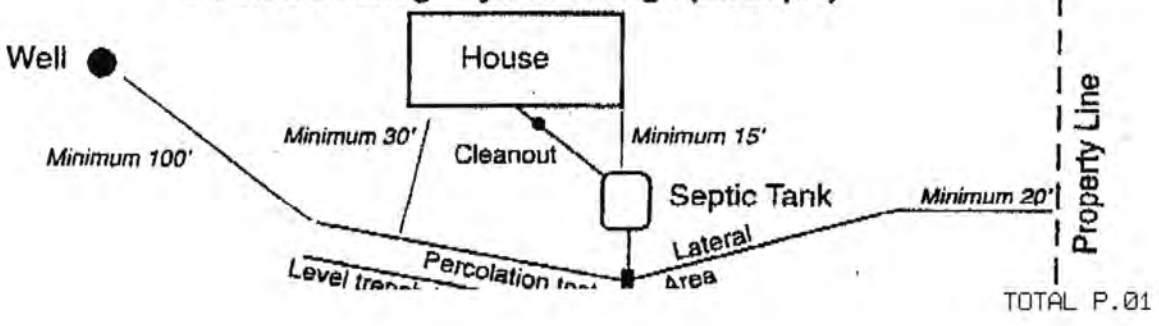
(Provide as-built drawings on back of this form)

1. Type: ☐ Half rounds ☐ Perforated pipe
   Diameter of half round:
   or perforated pipe:
   Material: ☐ fiberglass ☑ plastic ☐ concrete
   ☐ other INFILTRATOR
2. Lateral lines: Number 2
   Length of each line: ft. 100' ft.
   ft. ft., 100' ft.
3. Trench dimensions: Width 5' ft.
   Slope ~ in/100 ft.
   Average depth 3' in
4. Filter material: GRAVEL
   Depth of material 1' 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)



ATTN: JOHN CHESS

As Built Drawing

