Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

008252

(402) 441-8000

Permit

SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 05380310001

Issued 09/16/05
Expires 09/16/06
Revenue Code 3157

Establishment

BRIAN E WORSTER
T9N R5E SEC 13
TIMBERLINE ESTATES BLK 2 LOT 2
6000 PINE KNOT DR-DENTON

FEES: $200.00

Permittee

BRIAN E WORSTER
5525 HUNTS DR
LINCOLN NE 68512

TOTAL: $200.00

Bruce D. Dart

Bruce D. Dart, Health Director

EPH COPY

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SEP 16 2005

A

Permit Number: 05380310001

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

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 6000 PINE KNOT DR. (no rural route) City DENTON NE, Zip 68339

Legal Description SE 13 9N 5E Timberline ESTATES 2 2
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 Brian E. Worster Signature Brian E. Worster

Address 5525 Hunts Drive City/State/Zip Lincoln NE 68512

☐ Check if owner designed system Home Phone 423-7795 Work Phone 479-4270

C. Contractor

Name Melvin Eagner Company Name Eagner Const.

Address 4810 "W" Claire Ave City/State/Zip Lincoln Nebr.

☒ Check if contractor designed system Work Phone 432-5698

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

Designer Name Mel Eagner Firm Eagner Const Work Phone 432-5698

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 9/16/05 Date frwd 9/19/05	ACTION ☒ Approved ☐ Disapproved Signature Jerrold C. Hood	
2. Supt. Bldg. Insp. or Village Clerk	Date rec'd 9/19/05 Date frwd _____	ACTION ☒ Approved ☐ Disapproved Signature _____	
3. City or County Engineer	Date rec'd 9-19-05 Date frwd 9-19-05	ACTION ☒ Approved ☐ Disapproved Signature _____	

Installation Final Written Approval

Line tank, lateral field ok 12/14/05 DS

By _____

Date 12/16/05

Business Office Use Only
Date Rec'd 9/16/05
Amt Paid $200.00
Rec'd By _____ Cash/Check No. 17809

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: 053803100

Sewage Disposal System
Soil Absorption Test Data Report
Annex to Application

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PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 6000 "W" PINE KNOT (no rural route) City DENTON NE, Zip 68339

Owner _____ Addresss _____

Soil Type (SCS): _____ Percolation Rate: 54.6 (min/inch)

Date of Tests 9/4 to 9/5 Weather: Precipitation TRACE Temperature 80

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	32	9/4	8:30	9/5	7:30	9/5	8:00	6	9/5	8:30	30	1/2	60
2	"	"	"	"	"	"	"	"	"	"	"	1/2	60
3	"	"	"	"	"	"	"	"	"	"	"	1/2	60
4	"	"	"	"	"	"	"	"	"	"	"	5/8	48
5	"	"	"	"	"	"	"	"	"	"	"	1/2	60
6	"	"	"	"	"	"	"	"	"	"	"	3/4	40

Sum of Percolation Rates: 328
Average of Rates: 54.6
Rate Used for Calculation: _____

Person Conducting Percolation Tests

Name: Melvin F Wagner
Phone: 432-5698
Address 4810 "W" Claire Ave
Lincoln NE 68523

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

Signature of Reviewing Official: Jerrold C. Hood R.E.H.S. Date SEPTEMBER 16, 2005

FORM 23-101 10-96

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

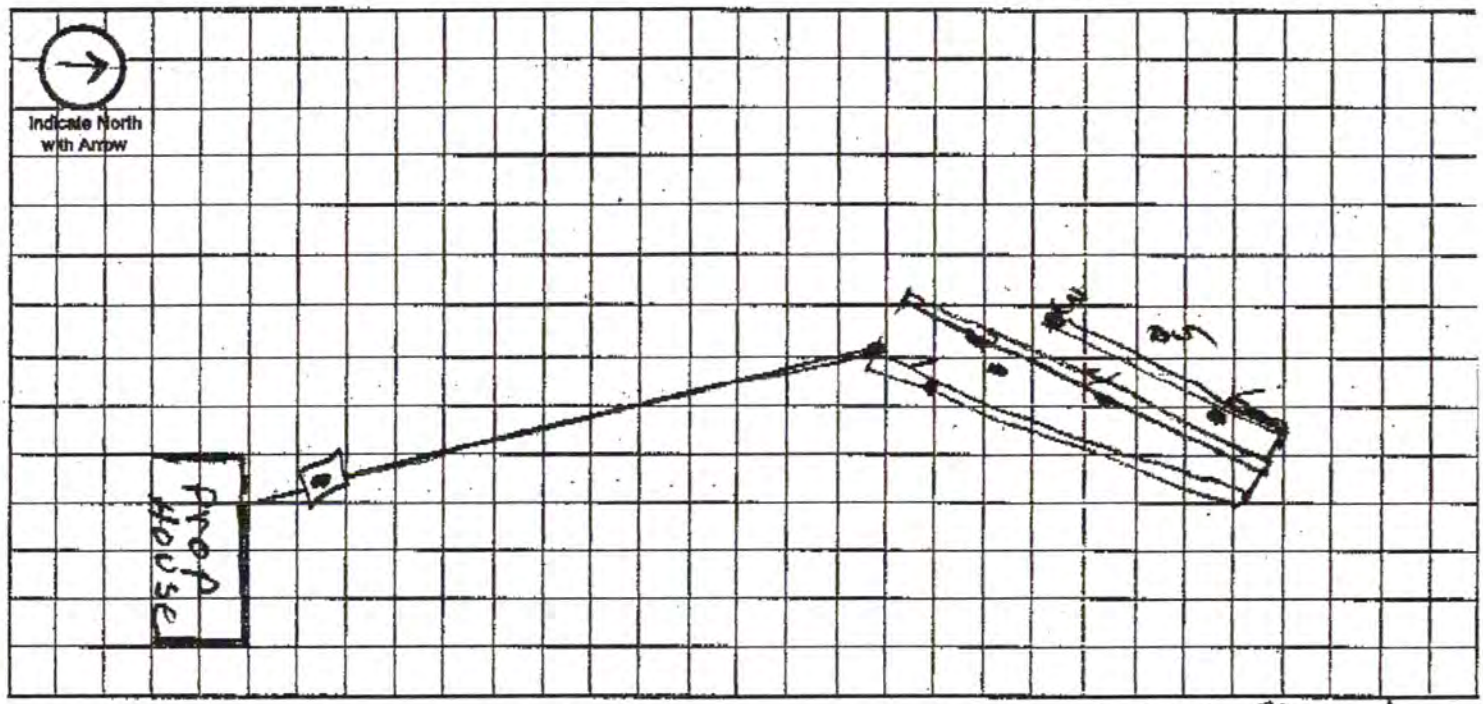
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SEP 16 2005

C

Permit Number: 053803100

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: 20 ft. = 1 grid l

A. System Location (Indicate correct number and street)

Address (no rural route) 6000 "W" Pine Knot 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 54.6 (min. per inch) Soil Type: _____ Land Slope: _____

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

Total Square Feet of Field Required: 1400 sq. ft.

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

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

Total Length of Laterals 350 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 Othe Setback
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 Melvin Wagner Date 9-15-05

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

EPS
N 40° 44.844'
W 096° 48.263'

Date Dec. 14/05

System Location (Indicate correct number and street)
Address 6000 Pine Knot Dr. (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: 14 in.
3. Distance between dwelling and septic tank: 21 ft.
4. Number of clean-outs: 1
5. Distances to: well or suction line OVER 100 ft.
   stream NA ft.
   pressure line 150 ft.
   property line 150 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 _____ 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: 12 in.
8. Distances to: Well or suction line OVER 100 ft.
   Stream NA ft.
   Pressure line OVER 100 ft.
   Property line 100 ft.

C. Distribution Box

1. Material: _____
   Number available outlets: 3
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 13 ft.

D. Absorption Field

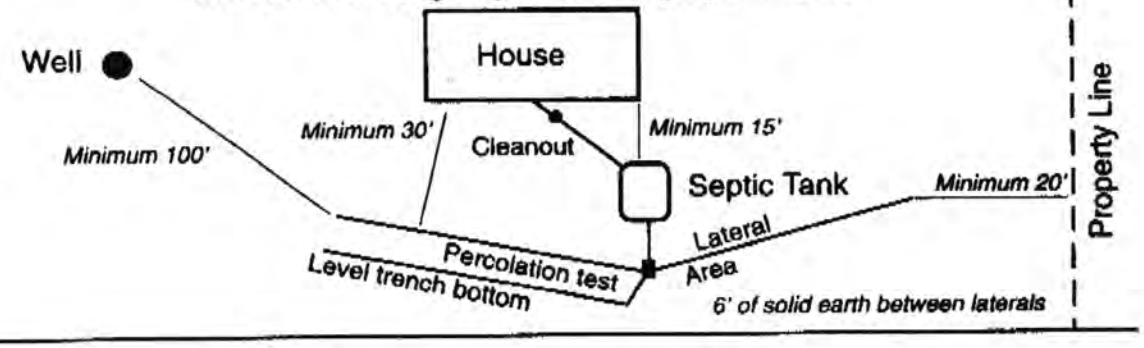
(Provide as-built drawings on back of this form)

1. Type: ☐ Half rounds ☐ Perforated pipe
   Diameter of half round: _____
   or perforated pipe: _____
   Material: ☐ fiberglass ☐ plastic ☐ concrete
   ☒ other INFILTRATORS
2. Lateral lines: Number 4
   Length of each line: 47'6" ft. 99'6" ft.
   128'6" ft 74'6" ft., _____ ft.
3. Trench dimensions: Width 8 ft.
   Slope 0 in/100 ft.
   Average depth 29 in
4. Filter material: NA
   Depth of material NA in.
5. Distances to: Well or suction line OVER 100 ft.
   Stream NA ft.
   Pressure line OVER 20 ft.
   Property line OVER 20 ft.

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

Indicate North with Arrow

Individual Sewage System Design (Example)

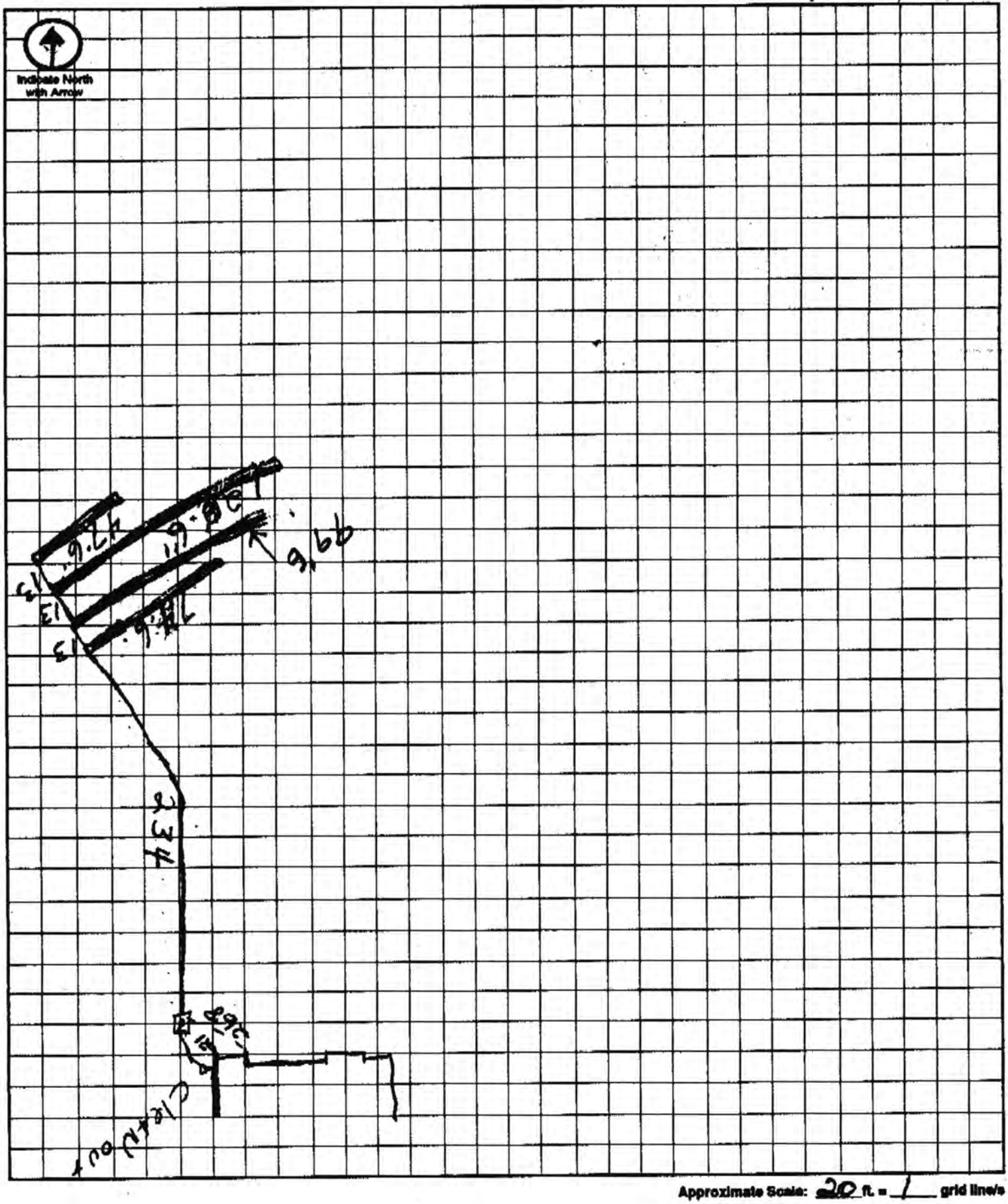


FORM 23-103 10-96

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As Built Drawing

Denton, NE
6000 Pine Knot Dr.



Approximate Scale: 20 ft. = 1 grid line/s

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