Lincoln-Lancaster County Health Department
ENVIRONMENTAL PUBLIC HEALTH DIVISION

005496

3140 N STREET · LINCOLN, NE 68510-1514

(402) 441-8000

Permit: SEWAGE INSTALLATION
LAGOON

Permit # 04380289401

Issued 09/15/04
Expires 03/15/05
Revenue Code 3157

Establishment:
LEWIS HOMES
T11N R5E SEC 9
PARCEL B1 LOT 6N
MILL RD-MALCOLM

FEES: $200.00

Permittee:
LEWIS HOMES
BOX 6815
LINCOLN NE 68506

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: 04360289401

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 _____ Mill Road (no rural route) City MALCOLM NE, Zip _____

Legal Description ~~NW~~ ~~1/4~~ ~~B1~~ NW 1/4 Sec 9, T11N, R5E ~~6th~~ _____ 341
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 _____ Signature _____

Address _____ City/State/Zip _____

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

C. Contractor

Name Lewis Homes Company Name Lewis homes

Address P.O. Box 6815 City/State/Zip LINCOLN NE 68506

☐ Check if contractor designed system Work Phone 499-4793

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

Designer Name Mike Casement Firm Capital City Trenching Work Phone _____

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**
   12-2-09 Need fence
   5-11-05 fence ok
   Date rec'd 9/15/04
   Date frwd 9/15/04
   ACTION ☒ Approved ☐ Disapproved
   Signature Jerrold C. Hood

2. **Supt. Bldg. Insp. or Village Clerk**
   Date rec'd 9-15-04
   Date frwd 9-15-04
   ACTION ☒ Approved ☐ Disapproved
   Signature Shawn Johnson

3. **City or County Engineer**
   Date rec'd 9/15/04
   Date frwd 9/15/04
   ACTION ☒ Approved ☐ Disapproved
   Signature _____

Installation Final Written Approval

By _____

Date 5-11-05

Business Office Use Only
Date Rec'd 09/15/04
Amt Paid 200.00
Rec'd By _____ Cash/Check No. 1855

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: 04380289 4

Sewage Disposal System

Soil Absorption Test Data Report

Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address _____ Mill Rd. City _____ NE, Zip _____
(no rural route)

Owner _____ Addresss _____

Soil Type (SCS): Clay Percolation Rate: 207 min./inch

Date of Tests 9/2/04 to 9/3/04 Weather: Precipitation None Temperature 85+

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	37	9/2	3:00	9/3	3:00	9/3	6:30	32 7/8	9/3	7:00	30	1/8	240
2	39	9/2	3:00	9/3	3:00	9/3	6:30	32 5/8	9/3	7:00	30	1/8	240
3	39	9/2	3:00	9/3	3:00	9/3	6:30	34 7/8	9/3	7:00	30	1/4	120
4	38	9/2	3:00	9/3	3:15	9/3	6:45	31 1/4	9/3	7:15	30	1/8	240
5	36	9/2	3:00	9/3	3:15	9/3	6:45	30 3/8	9/3	7:15	30	3/16	160
6	40	9/2	3:00	9/3	3:15	9/3	6:45	32 1/8	9/3	7:15	30	1/8	240
			LAGOON		ONLY								

Sum of Percolation Rates: 1240
Average of Rates: 207
Rate Used for Calculation: _____

Person Conducting Percolation Tests

Name: CLAUde OIE PE 3939
Phone: 402 423-0614
Address 5910 So 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

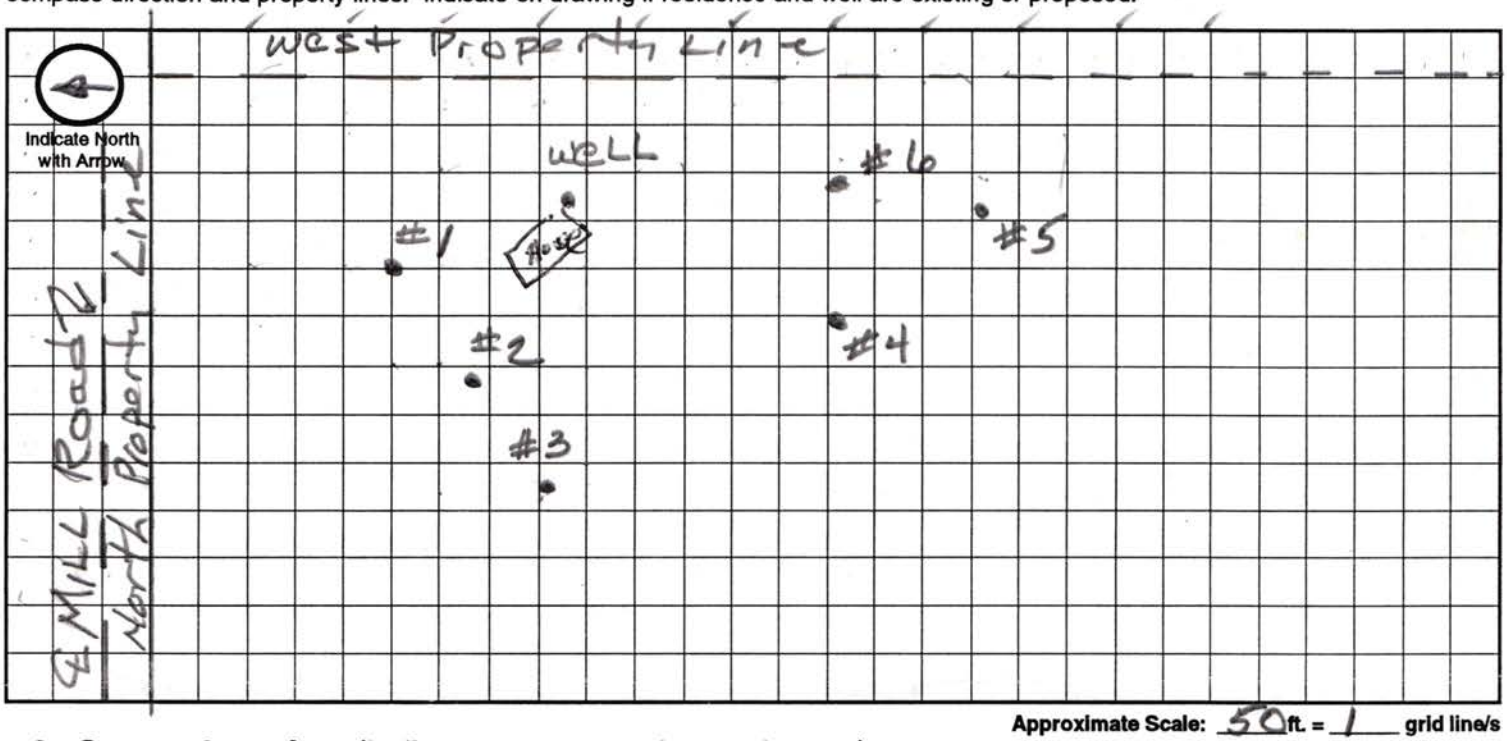
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

C

Permit Number: 04380289 4

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: 50 ft. = 1 grid line/s

A. System Location (Indicate correct number and street)

Address (no rural route) Parcel B1, NW¼ Sec 9, T11, A5 LCN City _____ NE, Zip _____

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 _____

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

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

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

Total Length of Laterals _____ 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 Lewis Homes Date 9/15/04

Installer Capital City Trenching Date 9-14-04

FORM 23-102 10-96

DEC 0 3 2004

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 11/24/04 Wehrmeister/Schake LAGOON

System Location (Indicate correct number and street)

Address 10601 W Mill Rd. (no rural route) City Malcolm NE, Zip 68402

A. Building Sewer

1. Material: class 160
   Diameter: 4 in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 36 in.
3. Distance between dwelling and ~~septic tank~~ Lagoon: 312 ft.
4. Number of clean-outs: 5
5. Distances to: well or suction line 100+ ft.
   stream 100+ ft.
   pressure line 100+ ft.
   property line 100+ ft.

B. Septic Tank

1. Material: _____
   Number of compartments: _____
2. Capacity: _____ 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: _____ in.
8. Distances to: Well or suction line _____ ft.
   Stream _____ ft.
   Pressure line _____ ft.
   Property line _____ ft.

C. Distribution Box

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

D. Absorption Field

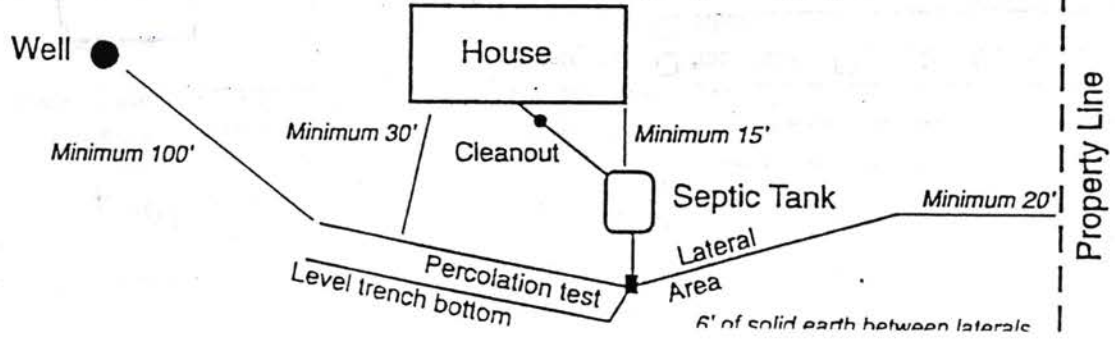
(Provide as-built drawings on back of this form)

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

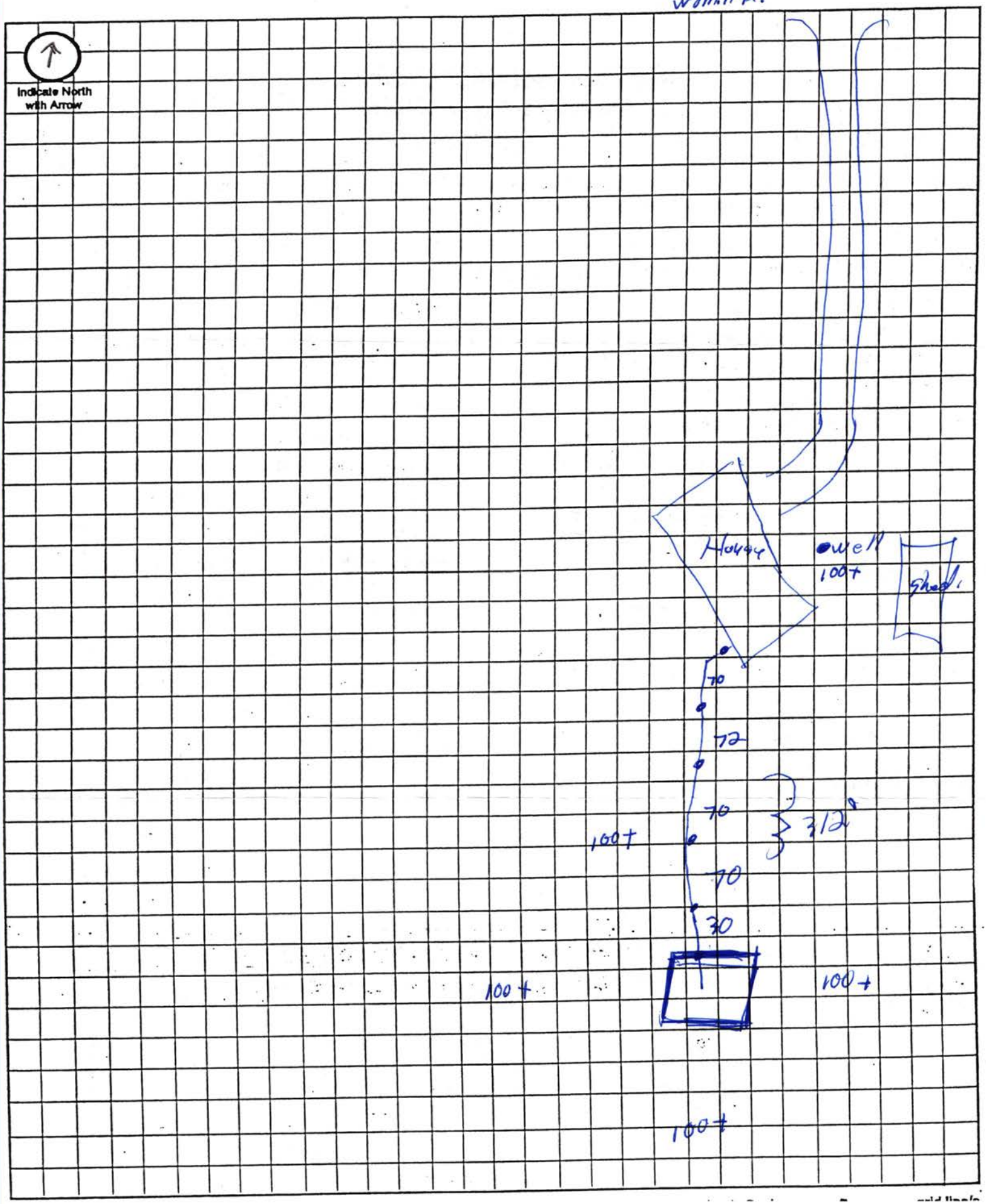
Indicate North with Arrow

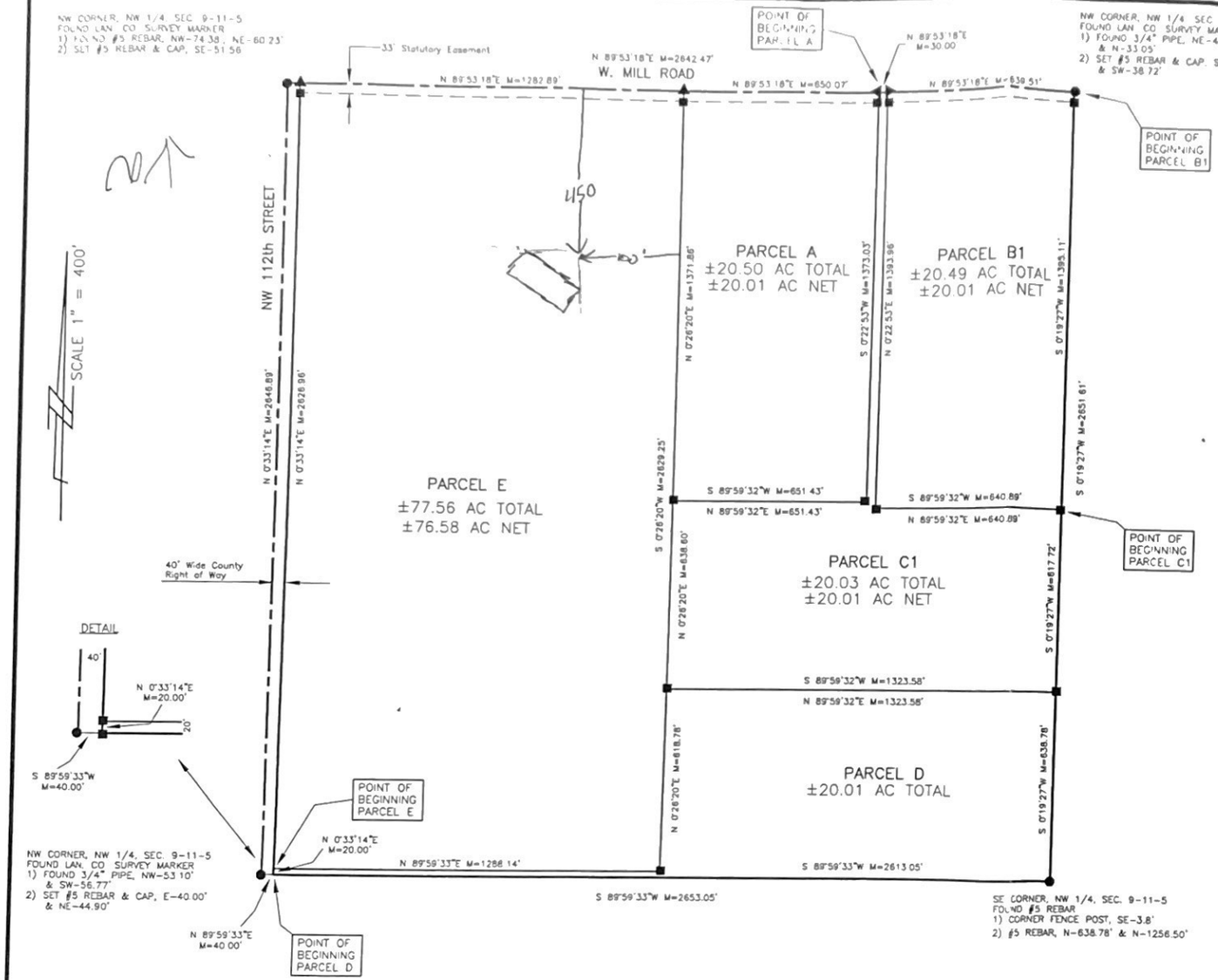
Complete "As Built" drawing on back of this form.

Individual Sewage System Design (Example)



As Built Drawing





BOUNDARY SURVEY
NW 1/4, SEC. 9, T 11 N, R 5 E
LANCASTER COUNTY, NEBRASKA

LEGAL DESCRIPTION

PARCEL A
A TRACT OF LAND LOCATED IN THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 11 NORTH, RANGE 5 EAST OF THE 6TH P.M., LANCASTER COUNTY, NEBRASKA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SAID NORTHWEST QUARTER; THENCE ON THE NORTH LINE OF SAID NORTHWEST QUARTER, ON AN ASSIGNED BEARING OF S 89°53'18"W A DISTANCE OF 669.51', TO THE POINT OF BEGINNING, THENCE S 0°22'53"W 1373.03'; THENCE S 89°59'32"W 651.43'; THENCE N 0°26'20"E 1371.86', TO A POINT ON THE NORTH LINE OF SAID NORTHWEST QUARTER, THENCE ON SAID NORTH LINE, N 89°53'18"E 650.07', TO THE POINT OF BEGINNING, SAID TRACT CONTAINING AN AREA OF 20.50 ACRES, MORE OR LESS.

PARCEL B1
A TRACT OF LAND LOCATED IN THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 11 NORTH, RANGE 5 EAST OF THE 6TH P.M., LANCASTER COUNTY, NEBRASKA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHEAST CORNER OF SAID NORTHWEST QUARTER; THENCE ON THE EAST LINE OF SAID NORTHWEST QUARTER, ON AN ASSIGNED BEARING OF S 0°19'27"W A DISTANCE OF 1395.11'; THENCE S 89°59'32"W 640.89'; THENCE N 0°22'53"E 1393.96', TO A POINT ON THE NORTH LINE OF SAID NORTHWEST QUARTER; THENCE ON SAID NORTH LINE, N 89°53'18"E 639.51', TO THE POINT OF BEGINNING, SAID TRACT CONTAINING AN AREA OF 20.49 ACRES, MORE OR LESS.

PARCEL C1
A TRACT OF LAND LOCATED IN THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 11 NORTH, RANGE 5 EAST OF THE 6TH P.M., LANCASTER COUNTY, NEBRASKA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SAID NORTHWEST QUARTER; THENCE ON THE EAST LINE OF SAID NORTHWEST QUARTER, ON AN ASSIGNED BEARING OF S 0°19'27"W A DISTANCE OF 1395.11', TO THE POINT OF BEGINNING; THENCE CONTINUING ON SAID EAST LINE, S 0°19'27"W 617.72'; THENCE S 89°59'32"W 1323.58'; THENCE N 0°26'20"E 638.60'; THENCE N 89°59'32"E 651.43'; THENCE N 0°22'53"E 1373.03', TO A POINT ON THE NORTH LINE OF SAID NORTHWEST QUARTER; THENCE ON SAID NORTH LINE, N 89°53'18"E 30.00'; THENCE S 0°22'53"W 1393.96'; THENCE N 89°59'32"E 640.89', TO THE POINT OF BEGINNING, SAID TRACT CONTAINING AN AREA OF 20.03 ACRES, MORE OR LESS.

PARCEL D
A TRACT OF LAND LOCATED IN THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 11 NORTH, RANGE 5 EAST OF THE 6TH P.M., LANCASTER COUNTY, NEBRASKA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID NORTHWEST QUARTER; THENCE ON THE SOUTH LINE OF SAID NORTHWEST QUARTER, ON AN ASSIGNED BEARING OF N 89°59'33"E A DISTANCE OF 40.00', TO THE POINT OF BEGINNING, SAID POINT BEING ON THE EAST RIGHT OF WAY LINE OF NORTHWEST 112th STREET; THENCE ON SAID EAST RIGHT OF WAY LINE, N 0°33'14"E 20.00'; THENCE N 89°59'33"E 1288.14'; THENCE N 0°26'20"E 618.78'; THENCE N 89°59'32"E 1323.58', TO A POINT ON THE EAST LINE OF SAID NORTHWEST QUARTER; THENCE ON SAID EAST LINE, S 0°19'27"W 638.78', TO THE SOUTHEAST CORNER OF SAID NORTHWEST QUARTER; THENCE ON THE SOUTH LINE OF SAID NORTHWEST QUARTER, S 89°59'33"W 2613.05', TO THE POINT OF BEGINNING, SAID TRACT CONTAINING AN AREA OF 20.01 ACRES, MORE OR LESS.

PARCEL E
A TRACT OF LAND LOCATED IN THE NORTHWEST QUARTER OF SECTION 9, TOWNSHIP 11 NORTH, RANGE 5 EAST OF THE 6TH P.M., LANCASTER COUNTY, NEBRASKA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID NORTHWEST QUARTER; THENCE ON THE SOUTH LINE OF SAID NORTHWEST QUARTER, ON AN ASSIGNED BEARING OF N 89°59'33"E A DISTANCE OF 40.00', TO POINT ON THE EAST RIGHT OF WAY LINE OF NORTHWEST 112th STREET; THENCE ON SAID EAST RIGHT OF WAY LINE, N 0°33'14"E 20.00', TO THE POINT OF BEGINNING; THENCE CONTINUING ON SAID EAST LINE, N 0°33'14"E 2626.96', TO A POINT ON THE NORTH LINE OF SAID NORTHWEST QUARTER; THENCE ON SAID NORTH LINE, N 89°53'18"E 1282.89'; THENCE S 0°26'20"W 2629.25'; THENCE S 89°59'33"W 1288.14', TO THE POINT OF BEGINNING, SAID TRACT CONTAINING AN AREA OF 77.56 ACRES, MORE OR LESS.

SURVEYOR'S CERTIFICATE

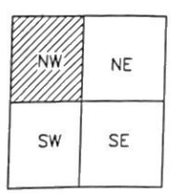
I, THE UNDERSIGNED, A DULY REGISTERED LAND SURVEYOR IN AND FOR THE STATE OF NEBRASKA, DO HEREBY CERTIFY THAT I CAUSED A SURVEY TO BE MADE OF THE FORGOING DESCRIBED PROPERTY, AND THAT THE RESULTS OF SAID SURVEY ARE TRULY AND ACCURATELY DEPICTED HEREON, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

IN TESTIMONY WHEREOF WITNESS MY HAND AND SEAL THIS 28th DAY OF MARCH, 2003.

BILLY JOE KERR, LS #483

NEBRASKA REGISTERED LS-483 LAND SURVEYOR BILLY JOE KERR

LOCATION SKETCH
NOT TO SCALE



LEGEND

P = PLATTED DISTANCE
M = MEASURED DISTANCE
● = FOUND MONUMENT AS NOTED
■ = SET MONUMENT (#5 REBAR & CAP)
▲ = SET TEMP. POINT

K & M INC.
LAND SURVEYING
540 W. INDUSTRIAL LAKE DR. #1
LINCOLN, NE 68528
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(402) 476-3138 FAX