Lincoln-Lancaster County Health Department
ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

(402) 441-8000

011080

Permit: SEWAGE INSTALLATION
SEPTIC SYSTEM

Establishment: DEVIN BIESECKER
T8N R6E SEC 25
MEADOWLARK HILLS BLK 2 LOT 3
17800 PRAIRIE VISTA DR-ROCA

Permittee: DEVIN BIESECKER
5811 CUTHILLS CT
LINCOLN NE 68516

Permit # 07380337201

Issued 08/03/07
Expires 08/03/08
Revenue Code 3157

FEES: $290.00

TOTAL: $290.00

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: 07380337201 tdp

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:

3.28 acres

PLEASE PRINT OR TYPE

A. System Location (Indicate correct number and street)

Address 17800 Prairie Vista Dr City Roca NE, Zip NE 68430
(no rural route)

Legal Description LCR 6017 25 8-6 Meadowlark Hills #2 #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 Devin Biesbecker Signature _____

Address 5811 Cuthills Ct City/State/Zip Lincoln NE

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

C. Contractor

Name Kelly Wolinski Company Name Wellmann Plumbing

Address 3130 S 6th Suite 100 City/State/Zip Lincoln NE 68502

☑ 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 5 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 8/2/07 Date frwd 8/2/07 ACTION ☑ Approved ☐ Disapproved Signature _____
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 8/2/07 Date frwd 8/2/07 ACTION ☒ Approved ☐ Disapproved Signature _____
   Check Address
3. **City or County Engineer** Date rec'd 8-2-07 Date frwd 8-2-07 ACTION ☒ Approved ☐ Disapproved Signature Jim Blomenkamp

Installation Final Written Approval

By Doug Smith

Date 11/2/07

Business Office Use Only
Date Rec'd 08/03/07
Amt Paid 290.00
Rec'd By _____ Cash/Check No. 43633

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:

Sewage Disposal System

Soil Absorption Test Data Report

Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 17800 Prairie Vista Dr. City Roca, NE. NE, Zip 68430
(no rural route)

Owner Devin Biesecker Addresss 5811 Cuthills Ct, Lincoln, Ne

Soil Type (SCS): Wymore - Pawnee (Silt Clay Loam) Percolation Rate: 49.3 min./inch

Date of Tests 8-2-06 to 8-3-06 Weather: Precipitation Dry (was moist 1st Day) Temperature 80's

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	18	8-2	8,20	8-2	6-30	8-3	8.30	6	8-3	12-30	30	5/8	48
2	18	8-2	8,25	8-2	6-35	8-3	8-35	6	8-3	12-35	30	3/4	40
3	18	8-2	8,30	8-2	6-40	8-3	8-40	6	8-3	12-40	30	3/4	40
4	18	8-2	8,35	8-2	6-45	8-3	8-45	6	8-3	12-45	30	1/2	60
5	18	8-2	8,40	8-2	6-50	8-3	8-50	6	8-3	12-50	30	5/8	48
6	18	8-2	8,45	8-2	6-55	8-3	8-55	6	8-3	12-55	30	1/2	60

Sum of Percolation Rates: 296
Average of Rates: 49.3
Rate Used for Calculation:

Person Conducting Percolation Tests

Name: Harry T. Mullback C1624
Phone: 430-7304
Address 14305 N 56th St, Lincoln, Ne 68514

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks Average Rates close to next sizing up, may consider sizing for 5 mpi in Wymore soil

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

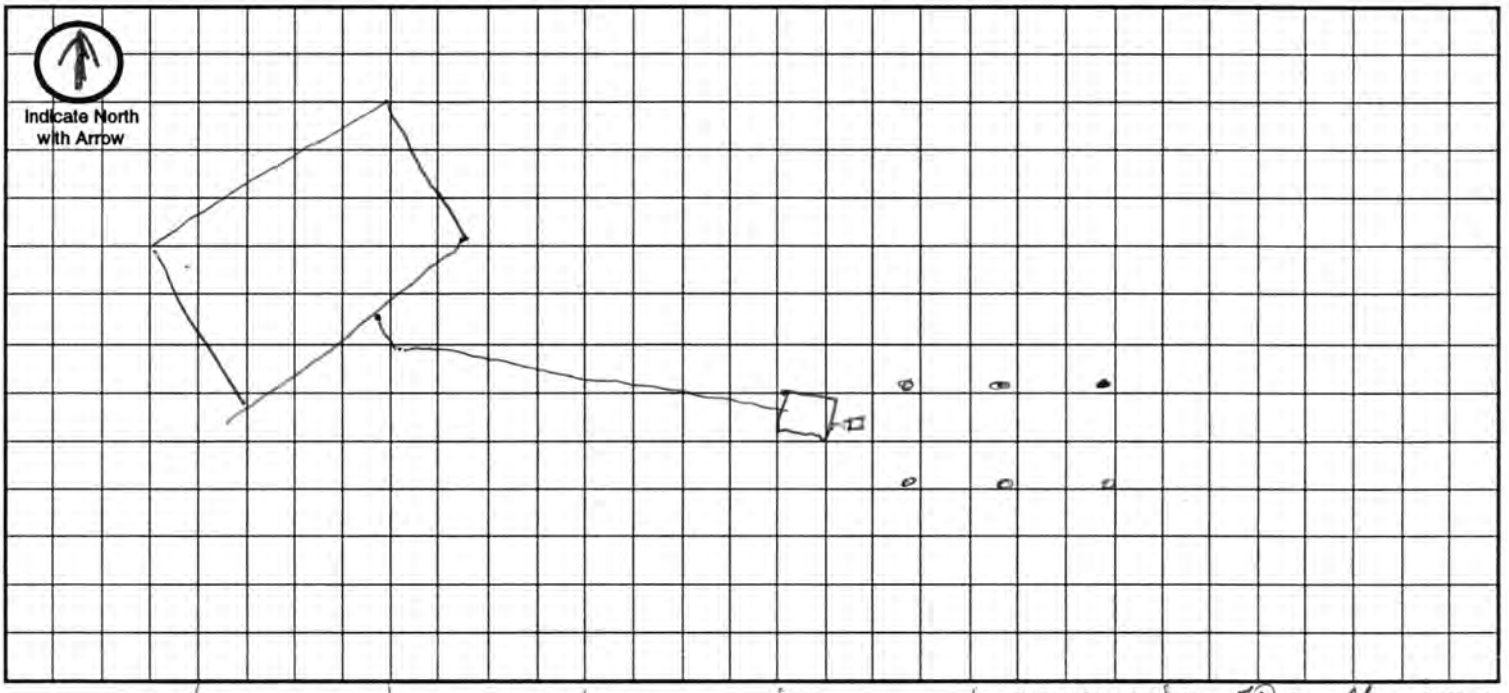
C

Permit Number:

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. = 4 grid line/s

A. System Location (Indicate correct number and street)

Address (no rural route) 17800 Prarie Vista DR City Roca NE, Zip 68430

B. Proposed Septic Tank/s

Tank Material: ☑ Concrete ☐ Plastic ☐ Other _____

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

Percolation Rate 49.3 (min. per inch) Soil Type: Clay Loam Land Slope: _____ %

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

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

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

Capacity of Septic Tank 1750 gals Number of Absorption Beds: 4 Number of Distribution Laterals per Bed _____

Total Length of Laterals 412 ft. Number of Trenches 4 Trench Width [redacted] 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 _____ Date _____

Installer Kelly Walker Date 1-31-07

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: PC 070136

Sewage Disposal System

As Built Plans & Specifications

Date 11-2-07

System Location (Indicate correct number and street)

Address 17800 Prairie Vista (no rural route) City Roca NE, Zip 68430

A. Building Sewer

1. Material: PVC
   Diameter: 4" in.
2. Distance above basement floor: 0 in.
   or distance below basement floor: 3 in.
3. Distance between dwelling and septic tank: 23 ft.
4. Number of clean-outs: 1
5. Distances to: well or suction line ____ ft.
   stream ____ ft.
   pressure line 100 ft.
   property line 75 ft.

B. Septic Tank

1. Material: Concrete
   Number of compartments: 2
2. Capacity: 2000 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter 24 in.
   Over outlet, diameter 6 in.
   Riser: ☐ above ☒ below grade 30 in.
5. Inlet: ☒ baffle ☐ tee
6. Outlet: ☒ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 30 in.
8. Distances to: Well or suction line ____ ft.
   Stream ____ ft.
   Pressure line 100+ ft.
   Property line 75 ft.

C. Distribution Box

1. Material: PVC
   Number available outlets: 3
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 17 ft.

D. Absorption Field

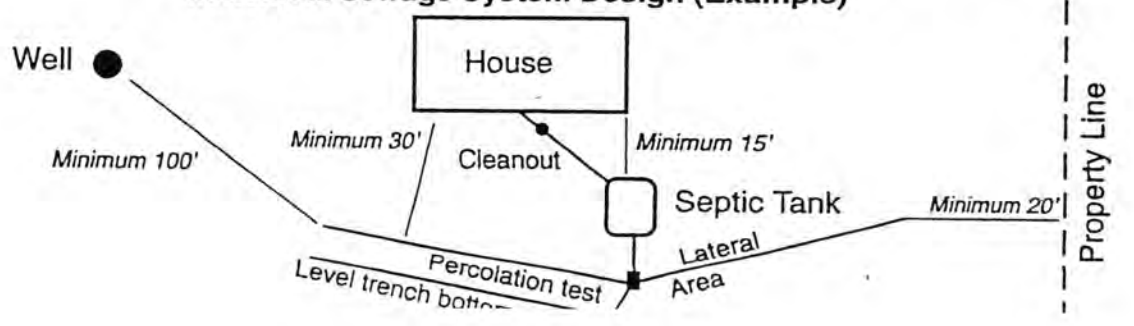
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: ____
   or perforated pipe: ____
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other ____
2. Lateral lines: Number 3
   Length of each line: 138 ft. 138 ft.
   138 ft. ____ ft., ____ ft.
3. Trench dimensions: Width 4 ft.
   Slope 0 in/100 ft.
   Average depth 36 in
4. Filter material: ____
   Depth of material ____ in.
5. Distances to: Well or suction line ____ ft.
   Stream ____ ft.
   Pressure line 100+ ft.
   Property line 75 ft.

Indicate North with Arrow

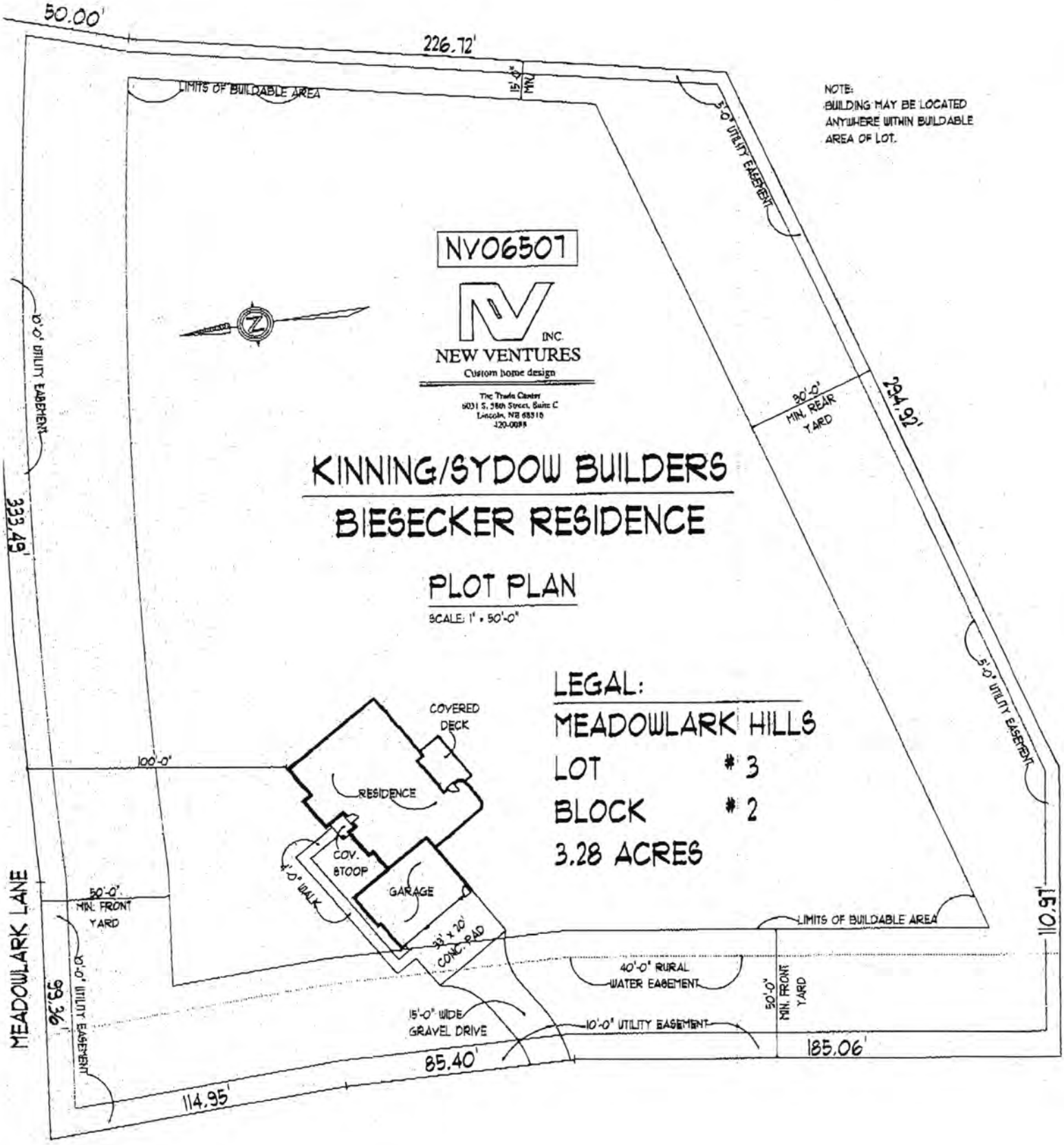
Complete "As Built" drawing on back of this form.

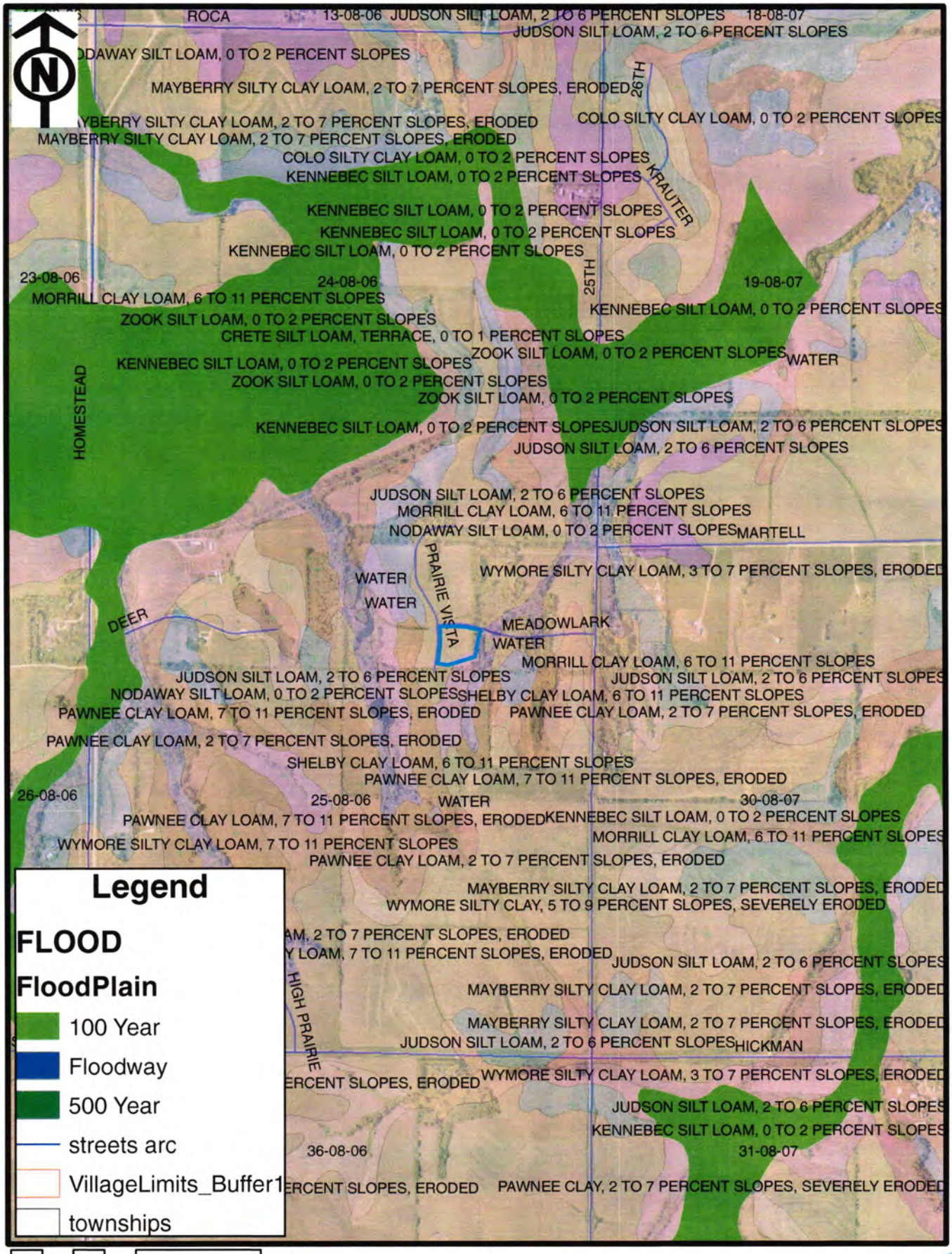
Individual Sewage System Design (Example)

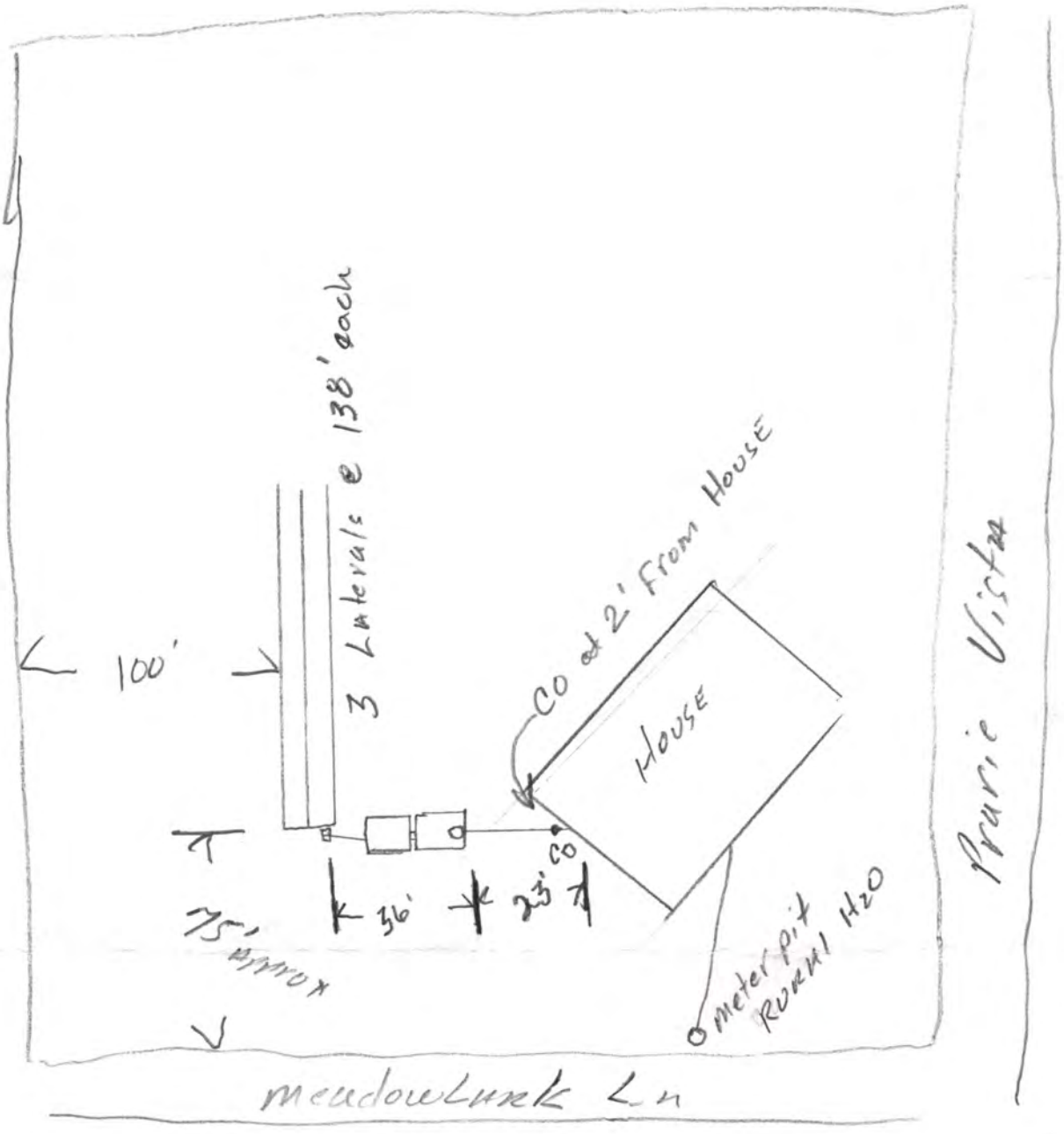


FORM 23-103 10-96

4024211334


50.00'
226.72'
15'-0" MIN.
LIMITS OF BUILDABLE AREA
5'-0" UTILITY EASEMENT
NOTE:
BUILDING MAY BE LOCATED ANYWHERE WITHIN BUILDABLE AREA OF LOT.
NV06507
INC.
NEW VENTURES
Custom home design
The Trade Center
6031 S. 58th Street, Suite C
Lincoln, NE 68516
420-0088
10'-0" UTILITY EASEMENT
30'-0" MIN. REAR YARD
294.92'
333.49'
KINNING/SYDOW BUILDERS
BIESECKER RESIDENCE
PLOT PLAN
SCALE: 1" = 50'-0"
COVERED DECK
RESIDENCE
COV. STOOP
4'-0" WALK
GARAGE
32' x 20' CONC. PAD
100'-0"
50'-0" MIN. FRONT YARD
LEGAL:
MEADOWLARK HILLS
LOT # 3
BLOCK # 2
3.28 ACRES
LIMITS OF BUILDABLE AREA
110.97'
5'-0" UTILITY EASEMENT
40'-0" RURAL WATER EASEMENT
50'-0" MIN. FRONT YARD
15'-0" WIDE GRAVEL DRIVE
10'-0" UTILITY EASEMENT
185.06'
MEADOWLARK LANE
99.36'
10'-0" UTILITY EASEMENT
85.40'
114.95'


ROCA
13-08-06
JUDSON SILT LOAM, 2 TO 6 PERCENT SLOPES
18-08-07
JUDSON SILT LOAM, 2 TO 6 PERCENT SLOPES
ODAWAY SILT LOAM, 0 TO 2 PERCENT SLOPES
MAYBERRY SILTY CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
26TH
YBERRY SILTY CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
COLO SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES
MAYBERRY SILTY CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
COLO SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES
KENNEBEC SILT LOAM, 0 TO 2 PERCENT SLOPES
KRIAUTER
KENNEBEC SILT LOAM, 0 TO 2 PERCENT SLOPES
KENNEBEC SILT LOAM, 0 TO 2 PERCENT SLOPES
KENNEBEC SILT LOAM, 0 TO 2 PERCENT SLOPES
25TH
23-08-06
24-08-06
19-08-07
MORRILL CLAY LOAM, 6 TO 11 PERCENT SLOPES
KENNEBEC SILT LOAM, 0 TO 2 PERCENT SLOPES
ZOOK SILT LOAM, 0 TO 2 PERCENT SLOPES
CRETE SILT LOAM, TERRACE, 0 TO 1 PERCENT SLOPES
ZOOK SILT LOAM, 0 TO 2 PERCENT SLOPES
WATER
KENNEBEC SILT LOAM, 0 TO 2 PERCENT SLOPES
ZOOK SILT LOAM, 0 TO 2 PERCENT SLOPES
HOMESTEAD
ZOOK SILT LOAM, 0 TO 2 PERCENT SLOPES
KENNEBEC SILT LOAM, 0 TO 2 PERCENT SLOPES
JUDSON SILT LOAM, 2 TO 6 PERCENT SLOPES
JUDSON SILT LOAM, 2 TO 6 PERCENT SLOPES
JUDSON SILT LOAM, 2 TO 6 PERCENT SLOPES
MORRILL CLAY LOAM, 6 TO 11 PERCENT SLOPES
NODAWAY SILT LOAM, 0 TO 2 PERCENT SLOPES
MARTELL
WATER
WATER
PRAIRIE VISTA
WYMORE SILTY CLAY LOAM, 3 TO 7 PERCENT SLOPES, ERODED
DEER
MEADOWLARK
WATER
MORRILL CLAY LOAM, 6 TO 11 PERCENT SLOPES
JUDSON SILT LOAM, 2 TO 6 PERCENT SLOPES
JUDSON SILT LOAM, 2 TO 6 PERCENT SLOPES
NODAWAY SILT LOAM, 0 TO 2 PERCENT SLOPES
SHELBY CLAY LOAM, 6 TO 11 PERCENT SLOPES
PAWNEE CLAY LOAM, 7 TO 11 PERCENT SLOPES, ERODED
PAWNEE CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
PAWNEE CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
SHELBY CLAY LOAM, 6 TO 11 PERCENT SLOPES
PAWNEE CLAY LOAM, 7 TO 11 PERCENT SLOPES, ERODED
26-08-06
25-08-06
WATER
30-08-07
PAWNEE CLAY LOAM, 7 TO 11 PERCENT SLOPES, ERODED
KENNEBEC SILT LOAM, 0 TO 2 PERCENT SLOPES
MORRILL CLAY LOAM, 6 TO 11 PERCENT SLOPES
WYMORE SILTY CLAY LOAM, 7 TO 11 PERCENT SLOPES
PAWNEE CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
MAYBERRY SILTY CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
WYMORE SILTY CLAY, 5 TO 9 PERCENT SLOPES, SEVERELY ERODED
AM, 2 TO 7 PERCENT SLOPES, ERODED
Y LOAM, 7 TO 11 PERCENT SLOPES, ERODED
JUDSON SILT LOAM, 2 TO 6 PERCENT SLOPES
MAYBERRY SILTY CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
HIGH PRAIRIE
MAYBERRY SILTY CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
JUDSON SILT LOAM, 2 TO 6 PERCENT SLOPES
HICKMAN
WYMORE SILTY CLAY LOAM, 3 TO 7 PERCENT SLOPES, ERODED
ERCENT SLOPES, ERODED
JUDSON SILT LOAM, 2 TO 6 PERCENT SLOPES
KENNEBEC SILT LOAM, 0 TO 2 PERCENT SLOPES
36-08-06
31-08-07
ERCENT SLOPES, ERODED
PAWNEE CLAY, 2 TO 7 PERCENT SLOPES, SEVERELY ERODED
Legend
FLOOD
FloodPlain
100 Year
Floodway
500 Year
streets arc
VillageLimits_Buffer1
townships
Feet
0
650
1,300
2,600


100'
3 Laterals @ 138' each
CO at 2' From House
House
Prairie Vista
36'
23'
CO
meter pit
RUNS H2O
Meadowlark Ln