Lincoln-Lancaster County Health Department
Environmental Public Health Division (402) 441-8027
3140 N Street Lincoln, NE 68510-1514

ON-SITE WASTE WATER SYSTEM
CONSTRUCTION - INSTALLATION PERMIT

No. HS000088

System Type: STANDARD

Situs:

Legal Description: T12N-R06E-S16-2-Lot 2

Owner:

Permit Fee:	$305.00
Variance Fee:	$0.00
Extension Fee:	$0.00
Total Fees:	$305.00

Issued:	04/24/2008
Expires:	04/24/2009

Bruce D. Dart, PhD, Health Director

On-site Waste System Permit Holder:

The above document is your permit to construct a new On-site Waste Water System at the location listed. Please contact this office once the sytem is complete in order to schedule a final inspection before use.

Bruce D. Dart, PhD
Health Director

ASPEN BUILDERS
1640 NORMANDY CT
LINCOLN NE 68512

LLCHD HS000088

A

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

Permit Number: HS000088

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

5.09 ac

A. System Location (Indicate correct number and street)

Address 20700 NW 22nd St. (no rural route) City Raymond NE, Zip 68428

Legal Description 1/4 16 1/4 12 Section 6 Township Range Mustang Ridge Addition Subdivision 2 Addition 2 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 Aspen Builders Inc Signature _____

Address 1640 Normandy Ct. Ste A City/State/Zip Lincoln NE 68512

☐ Check if owner designed system Home Phone _____ Work Phone 423-6811

C. Contractor

Name Aspen Builders Inc. Company Name Aspen Builders Inc.

Address 1640 Normandy Ct. Ste. A City/State/Zip Lincoln NE 68512

☒ Check if contractor designed system Work Phone 423-6811

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 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 4/21/08 Date frwd 4/23/08 ACTION ☒ Approved ☐ Disapproved Signature _____
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 4/23/08 Date frwd 4/23/08 ACTION ☒ Approved ☐ Disapproved Signature _____
3. **City or County Engineer** Date rec'd 04/23/2008 Date frwd _____ ACTION ☒ Approved ☐ Disapproved Signature _____

Installation Final Written Approval

By _____

Date _____

Business Office Use Only

Date Rec'd 4-18-08
Amt Paid 305.00
Rec'd By _____ Cash/Check No. 18426

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

4-28-2008 15:40:19

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

B

Permit Number: HS000088

Sewage Disposal System

Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 20700 NW 22nd St. (no rural route) City Raymond NE, Zip 68428

Owner Aspen Builders Inc. Addresss 1640 Normandy Ct. Ste A. Lincoln, NE 68512

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

Date of Tests 4-14 to 4-15 Weather: Precipitation Sunny Temperature 70°

Percolation Test Data Table

A.	B.	C.	D.	E.	F.	G.	H.	I.	J.	K.	L.	M.	N.
		Pre-Saturation Period				Percolation Readings					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	4-14	3 pm	4-15	7:30 Am	4-15	7:42	22 1/2"	4-15	8:12	30	1/2"	60
2							7:45	22		:15		1/2"	60
3							7:47	23 3/4"		:17		3/4"	40
4							7:49	28 1/4"		:19		7/8"	34
5							7:51	27 7/8		:21		1/2"	60
6							7:53	21 7/8		:23		1/2"	60

Person Conducting Percolation Tests

Name: Eric Cisk / Rob Beans

Phone: 416-9660

Address: 3300 Manasses

Sum of Percolation Rates: 314

Average of Rates: 52

Rate Used for Calculation: 60

DO NOT WRITE BELOW THIS LINE

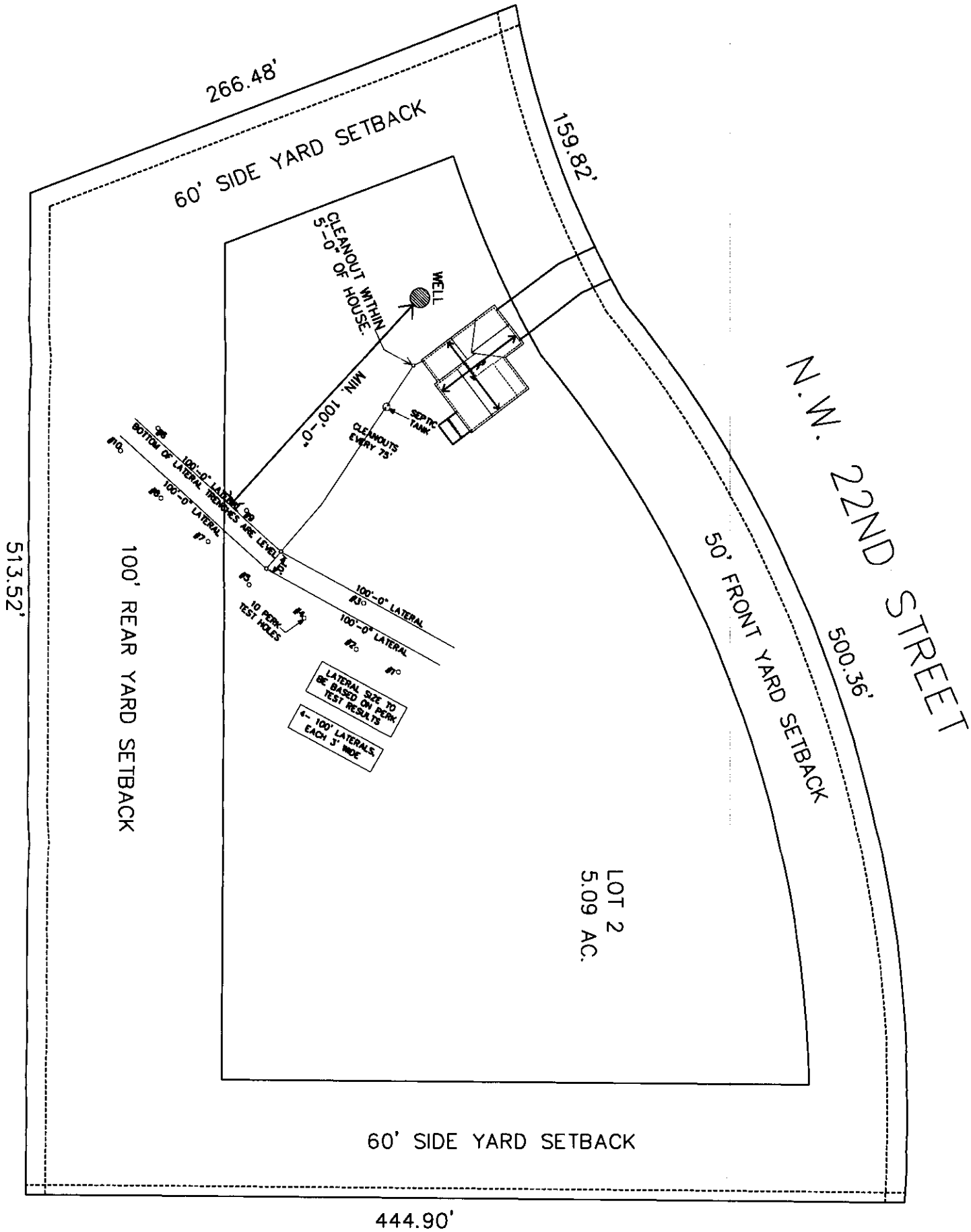
Reviewing Action

Remarks _____

Signature of Reviewing Official _____ Date _____

FORM 23-101 10-96

LLCHD HS000088



4-28-2008 15:43:20

A

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

Permit Number: #5000088

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:

5.09 acres

PLEASE PRINT OR TYPE

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Legal Description 1/4 16 1/4 12 Section 6 Township Range Mustang Ridge Subdivision Addition 2 Block 2 Lot

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☐ Check if system mail address is not the same as the owner's address

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Name Aspen Builders Inc Signature _____

Address 11640 Normandy Ct. Ste A City/State/Zip Lincoln NE 68512

☐ Check if owner designed system Home Phone _____ Work Phone 423-6811

C. Contractor

Name Aspen Builders Inc. Company Name Aspen Builders Inc.

Address 11640 Normandy Ct. Ste. A City/State/Zip Lincoln NE 68512

☒ Check if contractor designed system Work Phone 423-6811

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

Designer Name _____ Firm _____ Work Phone _____

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☒ 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.

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3. **City or County Engineer** Date rec'd 04/23/2008 Date frwd _____ ACTION ☒ Approved ☐ Disapproved Signature _____

Installation Final Written Approval

By _____

Date 5/3/08

Business Office Use Only

Date Rec'd 4-18-08
Amt Paid 305.00
Rec'd By tdf Cash/Check No. 18426

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

* Told contractor to install different D. boxes for elev.

SEP 04 2008

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 8/29/08

System Location (Indicate correct number and street)

Address 20700 N.W. 22nd (no rural route) City Raymond NE, Zip 68428

A. Building Sewer

1. Material: PLASTIC
   Diameter: 4 in.
2. Distance above basement floor: — in.
   or distance below basement floor: 8 in.
3. Distance between dwelling and septic tank: 26 ft.
4. Number of clean-outs: 2
5. Distances to: well or suction line 60 ft.
   stream — ft.
   pressure line 20 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 24 in.
   Over outlet, diameter 24 in.
   Riser: ☐ above ☐ below grade EVEN in.
5. Inlet: ☒ baffle ☐ tee
6. Outlet: ☒ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 48 in.
8. Distances to: Well or suction line 120 ft.
   Stream — ft.
   Pressure line 60 ft.
   Property line 170 ft.

C. Distribution Box

1. Material: PLASTIC
   Number available outlets: 6
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 27 ft.

D. Absorption Field

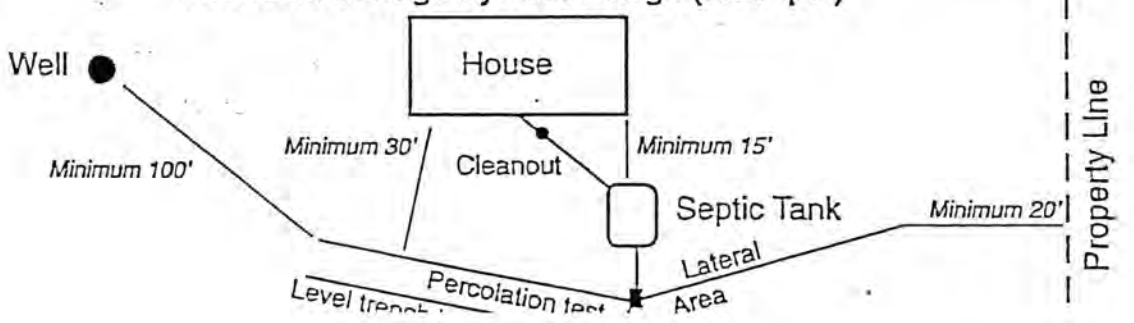
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: 34"
   or perforated pipe:
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other
2. Lateral lines: Number 2
   Length of each line: 135 ft. 135 ft.
   ft. ft., ft.
3. Trench dimensions: Width 3 ft.
   Slope 0 in/100 ft.
   Average depth 36 in
4. Filter material: GRAVELLESS
   Depth of material 36 in.
5. Distances to: Well or suction line 120 ft.
   Stream — ft.
   Pressure line 85 ft.
   Property line 120 ft.

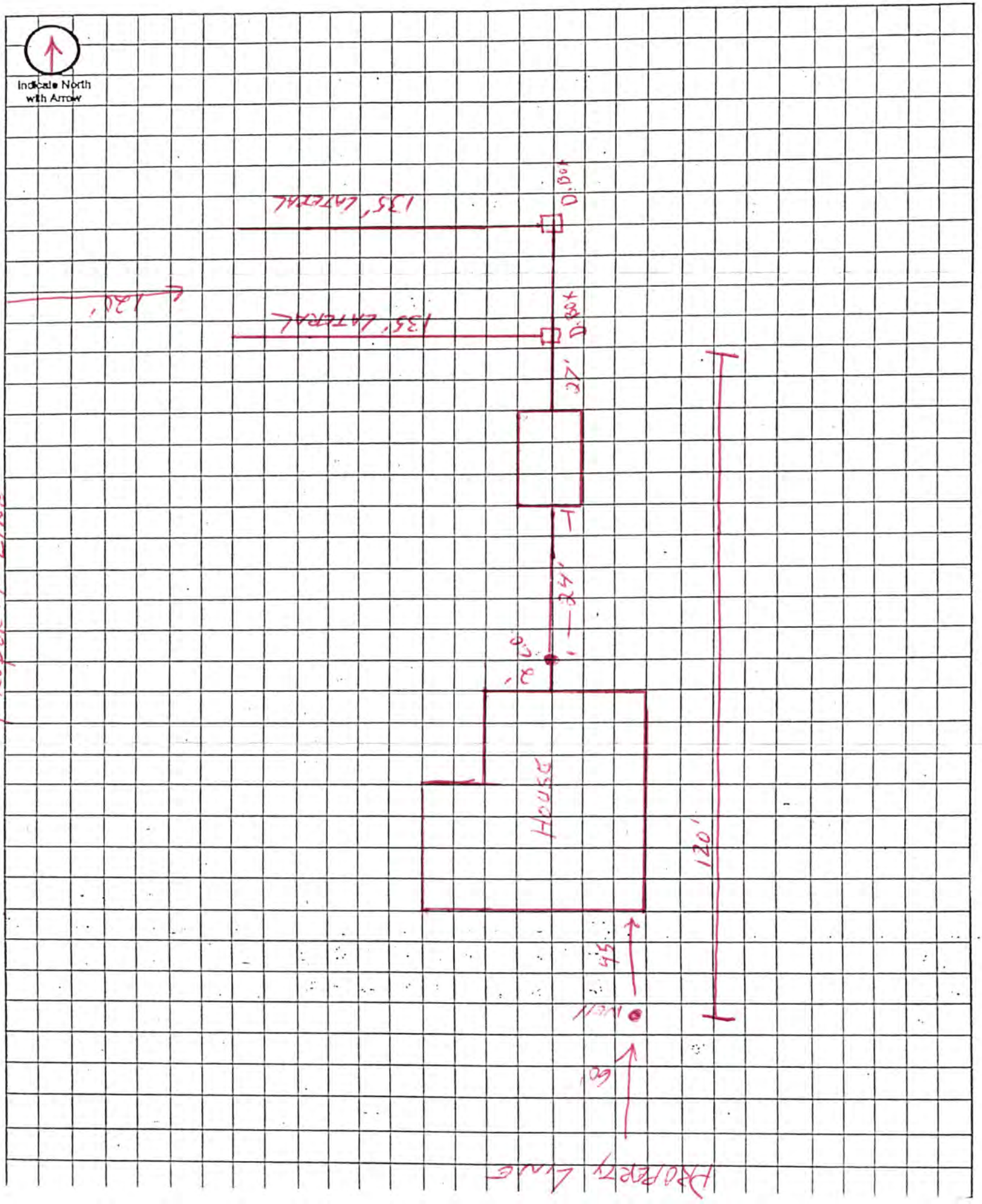
Indicate North with Arrow

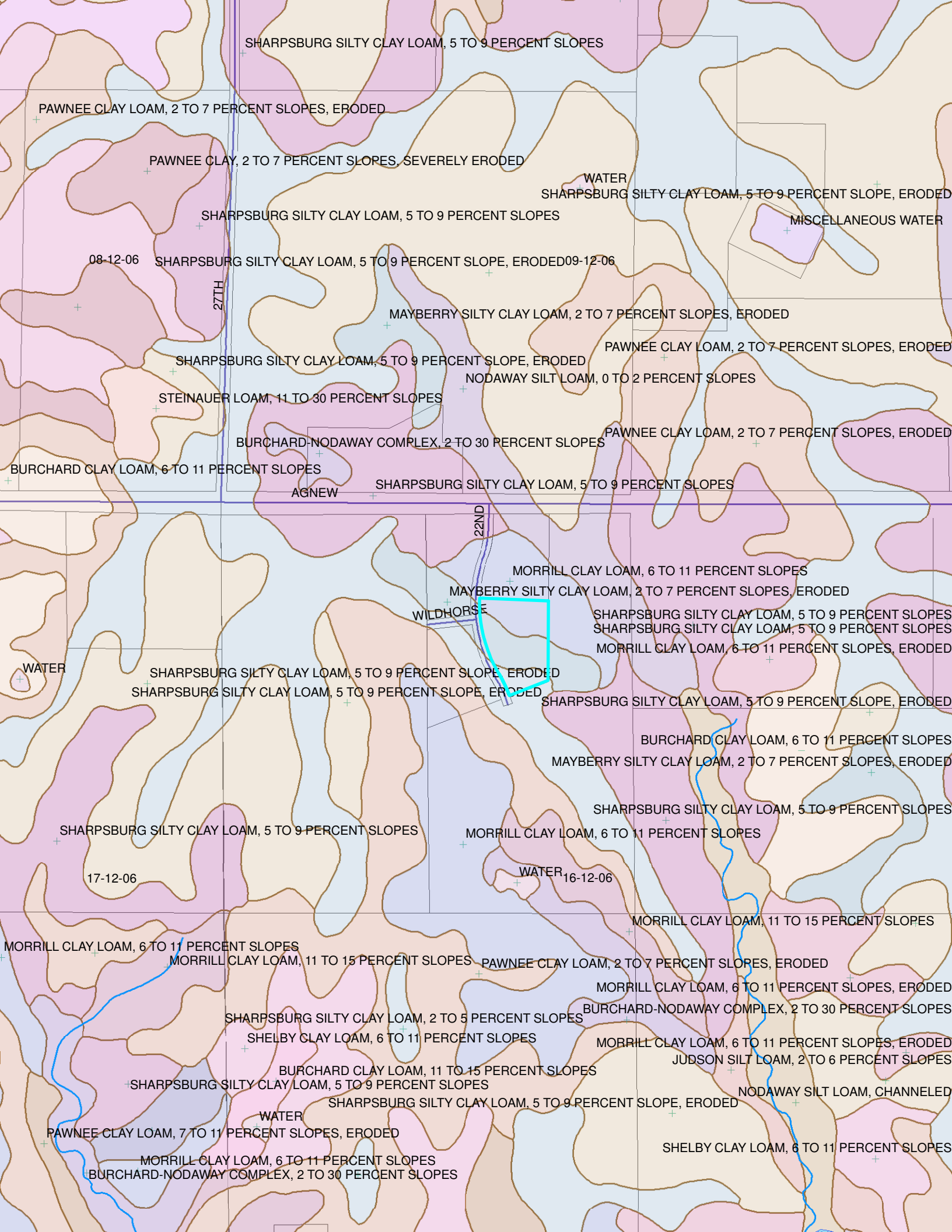
Complete "As Built" drawing on back of this form.

Individual Sewage System Design (Example)



As Built Drawing




SHARPSBURG SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPES
PAWNEE CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
PAWNEE CLAY, 2 TO 7 PERCENT SLOPES, SEVERELY ERODED
WATER
SHARPSBURG SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPE, ERODED
SHARPSBURG SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPES
MISCELLANEOUS WATER
08-12-06
SHARPSBURG SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPE, ERODED
09-12-06
27TH
MAYBERRY SILTY CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
PAWNEE CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
SHARPSBURG SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPE, ERODED
NODAWAY SILT LOAM, 0 TO 2 PERCENT SLOPES
STEINAUER LOAM, 11 TO 30 PERCENT SLOPES
PAWNEE CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
BURCHARD-NODAWAY COMPLEX, 2 TO 30 PERCENT SLOPES
BURCHARD CLAY LOAM, 6 TO 11 PERCENT SLOPES
AGNEW
SHARPSBURG SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPES
22ND
MORRILL CLAY LOAM, 6 TO 11 PERCENT SLOPES
MAYBERRY SILTY CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
WILDHORSE
SHARPSBURG SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPES
SHARPSBURG SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPES
MORRILL CLAY LOAM, 6 TO 11 PERCENT SLOPES, ERODED
WATER
SHARPSBURG SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPE, ERODED
SHARPSBURG SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPE, ERODED
SHARPSBURG SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPE, ERODED
BURCHARD CLAY LOAM, 6 TO 11 PERCENT SLOPES
MAYBERRY SILTY CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
SHARPSBURG SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPES
SHARPSBURG SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPES
MORRILL CLAY LOAM, 6 TO 11 PERCENT SLOPES
17-12-06
WATER
16-12-06
MORRILL CLAY LOAM, 11 TO 15 PERCENT SLOPES
MORRILL CLAY LOAM, 6 TO 11 PERCENT SLOPES
MORRILL CLAY LOAM, 11 TO 15 PERCENT SLOPES
PAWNEE CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
MORRILL CLAY LOAM, 6 TO 11 PERCENT SLOPES, ERODED
BURCHARD-NODAWAY COMPLEX, 2 TO 30 PERCENT SLOPES
SHARPSBURG SILTY CLAY LOAM, 2 TO 5 PERCENT SLOPES
SHELBY CLAY LOAM, 6 TO 11 PERCENT SLOPES
MORRILL CLAY LOAM, 6 TO 11 PERCENT SLOPES, ERODED
JUDSON SILT LOAM, 2 TO 6 PERCENT SLOPES
BURCHARD CLAY LOAM, 11 TO 15 PERCENT SLOPES
SHARPSBURG SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPES
NODAWAY SILT LOAM, CHANNELED
SHARPSBURG SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPE, ERODED
WATER
PAWNEE CLAY LOAM, 7 TO 11 PERCENT SLOPES, ERODED
SHELBY CLAY LOAM, 6 TO 11 PERCENT SLOPES
MORRILL CLAY LOAM, 6 TO 11 PERCENT SLOPES
BURCHARD-NODAWAY COMPLEX, 2 TO 30 PERCENT SLOPES

Lincoln-Lancaster County Health Department
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3140 "N" Street • Lincoln, NE 68510-1514
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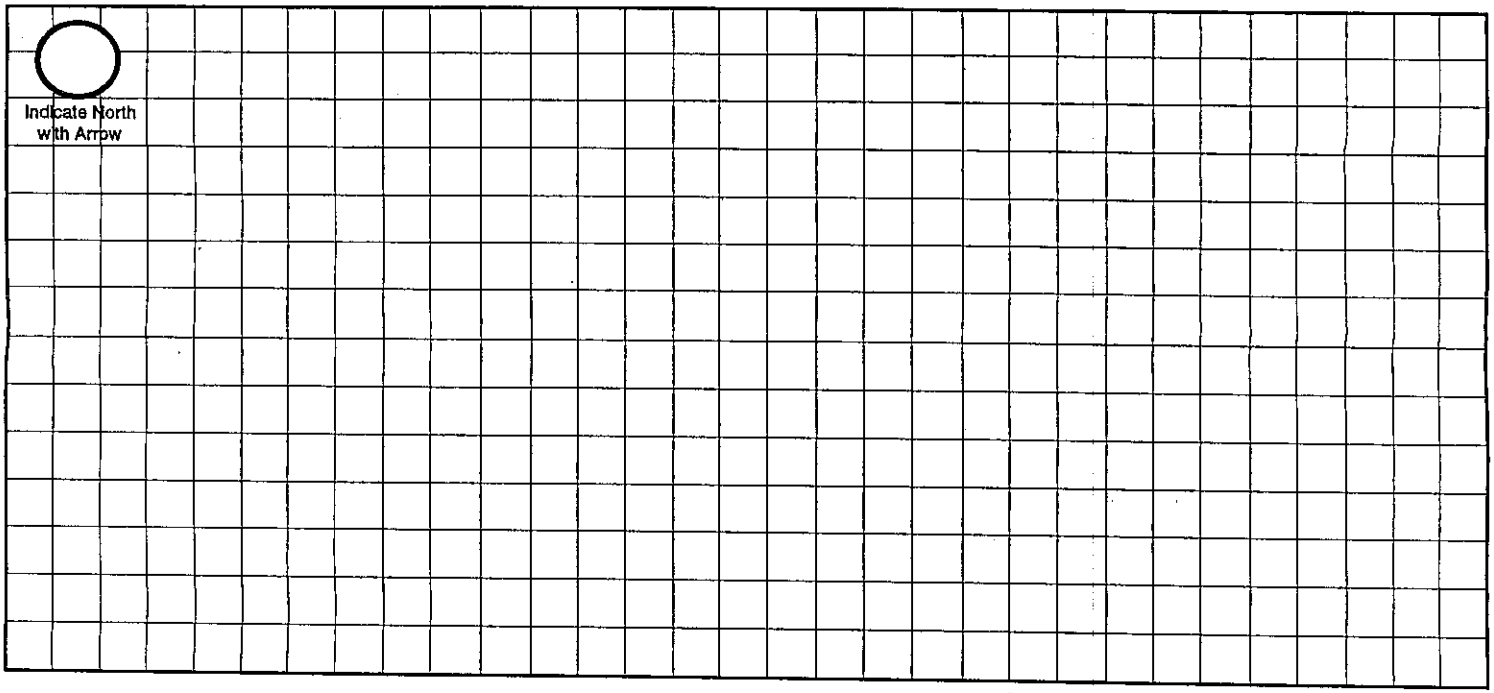
C

Permit Number: HS000088

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) 20700 NW 22nd St City Raymond NE, Zip 68512

B. Proposed Septic Tank/s

Tank Material: ☐ Concrete ☒ Plastic ☐ Other _____

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

Percolation Rate 60 (min. per Inch) Soil Type: Shc Land Slope: 2 %

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

Total *Square Feet of Field* Required: 1050 sq. ft.

Type of Lateral: ☐ Half-Moon ☐ Perforated Pipe ☐ Other Lateral Material: chamber. 34"

Capacity of Septic Tank 1000 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals 262.5 ft. Number of Trenches 3 Trench Width 3'

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 Robb Date 4-15-08

Installer Robb Date 4-15-08

FORM 23-102 10-96