APR 1 8 2014

Lincoln-Lancaster County Health Department
Environmental Public Health Division
3140 N Street • Lincoln NE 68510-1514
Phone: 402-441-8643

A

Permit Number
HS000891

Onsite Wastewater Treatment System
Request for Site Clearance and Permit

Include Form B and C. Submit correct fee with this Application

3 acres or more required for: ☒ Septic System ☐ Lagoon ☐ Other (Refer to Form C)

The undersigned hereby requests site clearance and permit to construct a Wastewater Treatment System in conformance with appropriate regulations.

PLEASE PRINT OR TYPE

A. Onsite System Location

Address 1320 Oak Prairie Cir (no rural route) City Lincoln NE Zip 68528

Legal Description NW 19 10N 5E Oak Prairie Estates 3rd Add 4
1/4 | 1/4 | Section | Township | Range | Subdivison | Addition | Block | Lot

PID 04-19-103-004-000

B. Owner

Name Jason Ensrud (Ensrud) Signature

Address P.O. Box 247 City/State/Zip Malcolm, NE 68402

Home Phone 308-708-0601 (308-708-0601) Work Phone 402-465-7508

C. Certified Installer

Name: Lloyd Jakubek, Raymond Contracting Inc Signature Lloyd Jakubek for Lloyd

Address 13700 NW 70th St City/State/Zip Raymond, NE 68428

Work Phone 402-890-6004

D. Engineer ☐ Check and complete if engineer designed system P.E. License Number:

Designer Name Firm Work Phone

E. This system will serve a

☒ Residential Dwelling Number of Bedrooms 4 Whirlpool Bathtub? ☐ Yes ☒ No Total Acres 3.43
Garbage Grinder? ☒ 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. 02-30

1. Health Department
Site visits
Comments
Date rec'd
Date frwd
ACTION ☐ Approved ☐ Disapproved
Signature

2. Supt. Bldg. Insp. or Village Clerk
Comments
Date rec'd
Date frwd
ACTION ☐ Approved ☐ Disapproved
Signature

3. City or County Engineer
Comments
Date rec'd
Date frwd
ACTION ☐ Approved ☐ Disapproved
Signature

Installation Final Written Approval
By
Date

Business Office Use Only
Date Received 4-18-14 Amount Paid 345.00
Received By SB Cash/Check No. 8355

White - Health Department Yellow - Engineer Pink - Building & Safety

Form A Updated: 1/13

APR 1 8 2014

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

B

Permit Number: HS000891

Sewage Disposal System
Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address Oak Prairie Cir (no rural route) City Lincoln NE, Zip 68528

Owner Susan Ensrud Address P.O. Box 247 Malcolm, NE 68402

Soil Type (SCS): SCL/SL Percolation Rate: 48 min./inch

Date of Tests 4/16/2014 to 4/17/2014 Weather: Precipitation 0 Temperature 44°

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	27	4/16	9:00a	4/16	1:00p	4/17	9:00a	6	4/17	9:30a	30	1	30
2	22	"	"	"	"	"	"	"	"	"	"	2	15
3	23	"	"	"	"	"	"	"	"	"	"	5/8	48
4	24	"	"	"	"	"	"	"	"	"	"	15/16	32
5	24	"	"	"	"	"	"	"	"	"	"	1 7/8	18
6	22	"	"	"	"	"	"	"	"	"	"	1	30

Person Conducting Percolation Tests

Name: Terri L. Jaholcek, Raymond Contracting, Inc.

Phone: 402-783-2163 or 402-890-3870

Address 13800 NW 70th St
Raymond, NE 68428 # C1198

Sum of Percolation Rates: 173

Average of Rates: 29

Rate Used for Calculation: 48 (Worst Variance)

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

Signature of Reviewing Official _____ Date _____

FORM 23-101 10-96

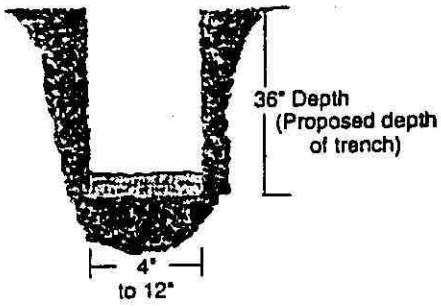
READ THOROUGHLY

DIAGRAM OF PERCOLATION TEST PROCEDURE

Finished Grade or Natural Ground Level

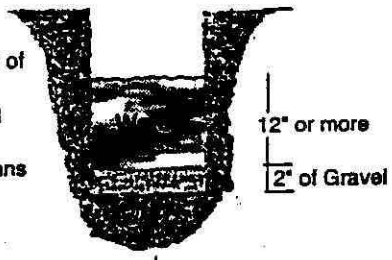
I. Size, Number, and Location or Test Holes

- A. Dig six or more holes spaced uniformly over proposed lateral field site.
- B. Scratch smeared spots on sides of hole.
- C. Remove loose material from hole.
- D. Add 2" of gravel to hole.



II. Saturation of Soil (Pre-soak)

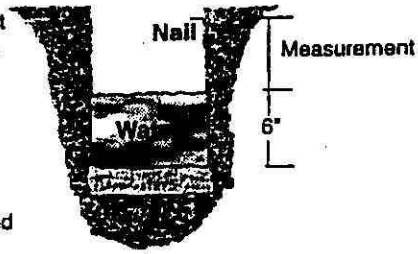
- A. Fill hole with 12" or more of water.
- B. MAINTAIN THIS WATER LEVEL FOR 4 HOURS.
- C. Record on Form B columns a thru f.



24 Hours Later

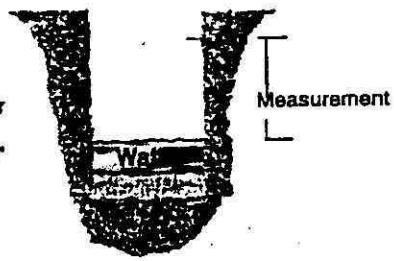
III. Percolation-rate Measurement **(refer to Instructions 5a, 5b, or 5c.)**

- A. Add 6" of water.
- B. Measure from fixed reference point (nail) to water.
- C. Record measurement and time on front of Form B.



½ hour later
(30 minutes)

- D. 30 minutes later remeasure and record time.
- E. If water will be too low for another reading 30 minutes later, adjust to 6" of water and remeasure and record time.



- F. Continue for 3½ hours taking readings every 30 minutes.
- G. Last 30 minute reading is used in filling out Form B. Record date, time, intervals and water level drops in column g thru m.

Instructions

1. **Number and location of tests.** Percolation tests shall be made in 6 or more separate test holes which shall be spaced uniformly over the proposed lateral field site.
2. **Type of test hole.** Dig or bore a hole 3 feet deep with a diameter of 4 to 12 inches. (To save time, labor and the volume of water required per test, a 4-inch auger hole is recommended).
3. **Preparation of the test hole.** Scratch or roughen any smeared spots on the sides of the hole with a knife blade or sharp pointed instrument to provide a natural soil interface into which water may percolate. Remove all loose material from the hole. Add 2 inches of gravel to protect the bottom from scouring when water is poured into the hole.
4. **Saturation and swelling of the soil.** Fill the hole with clear water to a depth of 12 inches or more above the gravel and maintain this water level at least 4 hours and preferably overnight. The accuracy and true value of the percolation data depends on thorough saturation and swelling of the soil.
5. **Percolation-rate measurement.** Percolation-rate measurements shall be made 24 hours after starting the saturation and swelling procedure described above. Record results on the front of this form and complete all calculations.
   a. If water remains in the test hole after the overnight swelling period, adjust the depth to approximately 6 inches over the gravel. From a fixed reference point, measure the drop in water level over a 30 minute period to the nearest 1/8 of an inch. This drop is used to calculate the percolation rate.
   b. If no water remains in the test hole after the overnight swelling period, add clear water to bring the depth to approximately 6 inches over the gravel. From a fixed point, measure the drop in water level to the nearest 1/8 of an inch at 30-minute intervals for 4 hours. Refill to the 6 inch level over the gravel as often as necessary. The drop that occurs during the final 30 minutes is used to calculate the percolation rate.
   c. In sandy soils (or other soils in which the first 6 inches of water seeps away in less than 30 minutes after the overnight swelling period) the time interval between measurements shall be 10 minutes instead of 30 minutes and the test run for 1 hour instead of 4 hours. The drop that occurs during the final 10 minutes is used to calculate the percolation rate.
6. **Record the test results and complete all calculations on the front of this form.** The average of the percolation rates calculated for all holes in the last 30 (10) minutes will normally be the rate used for calculations to size the system. ***Exceptions are the use of the greatest percolation rate when rates vary more than 20 min/in between holes or when other soil analysis indicates potential percolation problems.***

LLCHD reserves the right to require additional testing based on knowledge of soil types, percolation tests results on nearby properties, or due to concerns with procedures followed. In some situations, LLCHD staff will require and perform on-site observation of percolation tests.

APR 1 8 2014

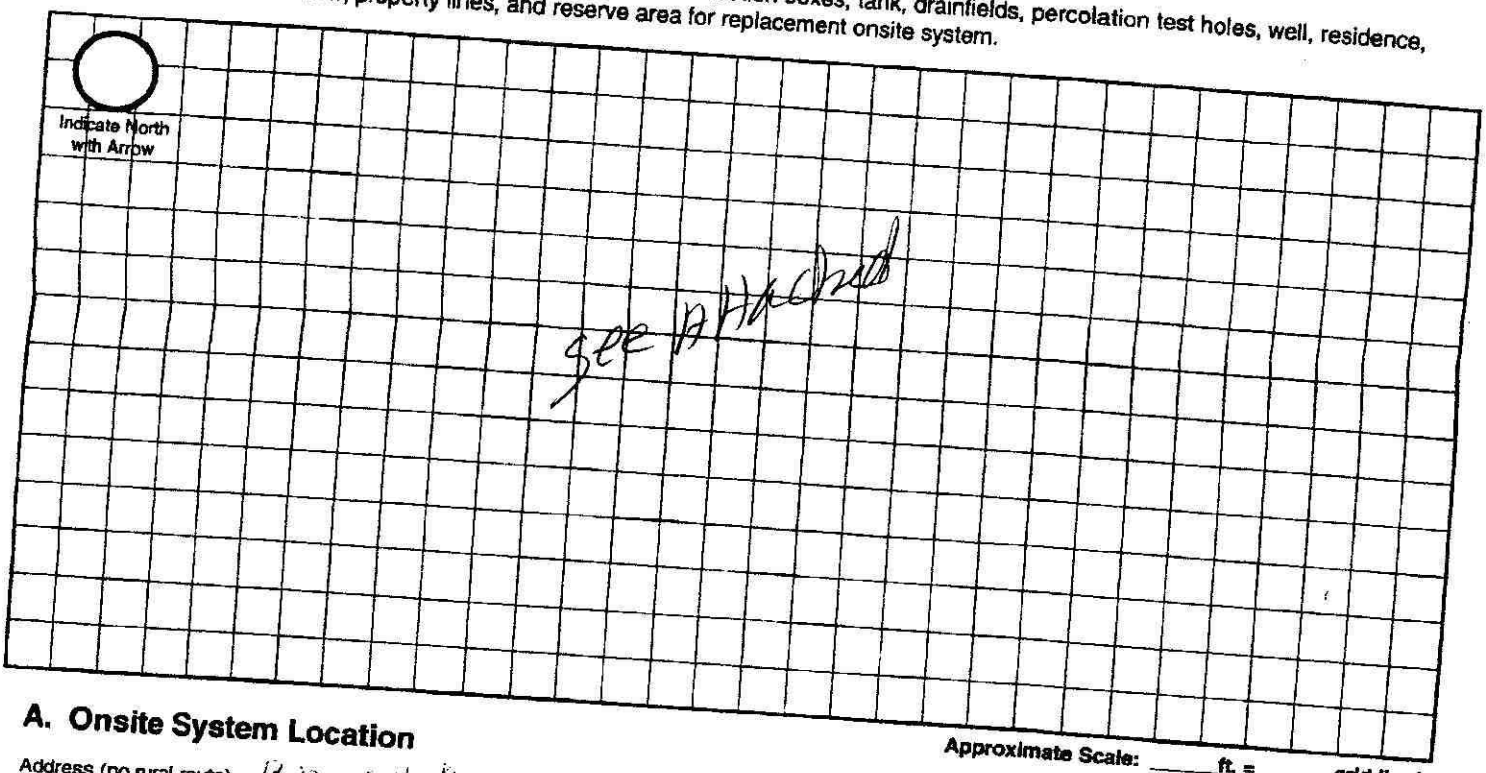
Lincoln-Lancaster County Health Department
Environmental Public Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

C

Permit Number: HS000891

Onsite Wastewater Treatment System
Preliminary Plan Specifications

Draw a plot plan showing onsite system sewer lines, drop of distribution boxes, tank, drainfields, percolation test holes, well, residence, direction of groundwater flow, property lines, and reserve area for replacement onsite system.



Approximate Scale: _____ ft. = _____ grid line/s

A. Onsite System Location

Address (no rural route) 8120 Oak Prairie Cir City Lincoln NE, Zip 68525

B. Proposed Septic Tank/s

Septic Tank Cap. 1500 gals Tank Material: ☒ Concrete ☐ Plastic ☐ Other_____ ☐ Lagoon(Max. seepage 1/6" per day)

C. Reserve Area for Replacement Onsite System

☐ Drainfield Absorption Area (percolation test required) ☐ Lagoon

D. Drainfield Absorption System

Percolation Rate 48 (min/inch = mpi) No. of Bedrooms 4 Soil Type Silt Loam

☒ Trench ☐ Bed ☐ Non-Standard (engineer designed and NDEQ approved Land Slope_____%

Total length of laterals 330 Type of distribution: ☐ Perforated pipe ☐ Half-Round ☒ Chamber ☐ Other Total Square feet of drainfield 1,320 sq.ft.

No. of absorption trenches 3 Width 40" No. of drop boxes 3 Distrubtion Box_____

No. of absorption beds_____ Width_____ End Caps No of Distribution lines per bed_____

E. 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 ☐	☐

F. Required Signatures

Home Building Contractor Mark A Sim Date 4-17-14

Installer Mark A Johnson Date 4-16-14

Revised Form C 12-06



N
W E
S

Lancaster County/City of Lincoln GIS Map

Synergy Homes/Jason Ensrud 402-499-7388 1320 Oak Prairie Cir, Lincoln, NE 68528

Printed Apr 18, 2014

DISCLAIMER: The information is presented on a best-efforts basis, and should not be relied upon for making financial, survey, legal or other commitments. If you have questions or comments regarding the data displayed on this map, please email ags@lincoln.ne.gov and you will be directed to the appropriate department.

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

ON-SITE WASTE WATER SYSTEM
CONSTRUCTION - INSTALLATION PERMIT
No. HS000891

System Type: Standard

Situs: 1320 OAK PRAIRIE CR, RURAL, NE

Issued: 4/25/2014

Expires: 4/25/2015

Description: OAK PRAIRIE ESTATES 3RD ADDITION, Lot 4

Owner: SYNERGY HOMES INC
7400 W BLUFF RD
MALCOM, NE 68402

Judith A Halstead
Judith A. Halstead, MS, Health Director

Dear Applicant:

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.

Judith A Halstead
Judith A. Halstead, MS
Health Director

RAYMOND CONTRACTING
13800 NW 70TH ST
RAYMOND, NE 68428

SCANNED

APR 1 8 2014

Lincoln-Lancaster County Health Department
Environmental Public Health Division
3140 N Street • Lincoln NE 68510-1514
Phone: 402-441-8643

A

Permit Number
HS000891

Onsite Wastewater Treatment System
Request for Site Clearance and Permit

Include Form B and C. Submit correct fee with this Application

3 acres or more required for: ☒ Septic System ☐ Lagoon ☐ Other (Refer to Form C)

The undersigned hereby requests site clearance and permit to construct a Wastewater Treatment System in conformance with appropriate regulations.

PLEASE PRINT OR TYPE

A. Onsite System Location

Address 1320 Oak Prairie Cir (no rural route) City Lincoln, NE Zip 68528

Legal Description NW (1/4) 1/4 09 (Section) 10N (Township) 5E (Range) Oak Prairie Estates 3rd (Subdivison) Add (Addition) 4 (Block) (Lot)

PID 04-19-103-004-000

B. Owner

Name Jason Ensrud (Ensrud) Signature

Address P.O. Box 247 City/State/Zip Malcolm, NE 68402

Home Phone 308-708-0601 (308-708-0601) Work Phone 402-465-7505

C. Certified Installer

Name: Lloyd Jakubek, Raymond Contracting Inc Signature Lloyd Jakubek for Lloyd

Address 13900 NW 70th St City/State/Zip Raymond, NE 68428

Work Phone 402-890-6009

D. Engineer ☐ Check and complete if engineer designed system P.E. License Number:

Designer Name Firm Work Phone

E. This system will serve a

☒ Residential Dwelling Number of Bedrooms 4 Whirlpool Bathtub? ☐ Yes ☒ No Total Acres 3.43
Garbage Grinder? ☒ 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. 02-30

1. **Health Department**
Site visits
Comments
Date rec'd 4/24/14
Date frwd 4/25/14
ACTION ☒ Approved ☐ Disapproved
Signature

2. **Supt. Bldg. Insp. or Village Clerk**
Comments
Date rec'd 4-24-14
Date frwd
ACTION ☒ Approved ☐ Disapproved
Signature

3. **City or County Engineer**
Comments Sliver of floodplain in the northeast corner of lot.
Date rec'd 4-24-14
Date frwd 4-24-14
ACTION ☒ Approved ☐ Disapproved
Signature James Ploog

Installation Final Written Approval
By
Date 7/16/14

Business Office Use Only
Date Received 4-18-14 Amount Paid 345.00
Received By SB Cash/Check No. 8355

White - Health Department Yellow - Engineer Pink - Building & Safety

Form A Updated: 1/13

SEP 18 2014

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

D

Permit Number: HS000891

Onsite Wastewater Treatment System

As Built Plans & Specifications

Oak Prairie Estates 2nd Add Lot 4

Date 9/15/2014 Legal Description NW 1/4 19 1/4 - 10N - 5E Section Township Range

Onsite System Location

Address (no rural route) 1320 Oak Prairie Cir City Lincoln NE, Zip 68528

Owner Jason Ensrud Address P.O. Box 247 Malcolm, NE 68402

A. Sewer Pipe

1. Material: SDR 26
   Diameter: 4 in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 16 in.
3. Distance between dwelling and septic tank: 65 ft.
4. Number of clean-outs: one
5. Distances to: well or suction line 30 ft.
   stream 100 ft.
   pressure line 100 ft.
   property line 100 ft.

B. Septic Tank

☑ Label with Manufacturer, address and gallon capacity

1. Material: concrete
   Number of compartments: one
2. Capacity: 1500 gal.
3. Factory built: ☑ Yes ☐ No
4. Manholes: Over inlet, diameter 24 in.
   Over outlet, diameter 24 in.
   Riser: ☐ above ☐ below grade AT in.
5. Inlet: ☑ baffle ☐ tee ☐ 6" dia. inspection pipe
6. Outlet: ☑ baffle ☐ tee ☐ 6" dia. inspection pipe
7. Depth to top of tank, below unfinished grade: 12 in.
8. Distances to: Well or suction line 80 ft.
   Stream 100 ft.
   Pressure line 100 ft.
   Property line 100 ft.

C. ☐ Distribution Box ☑ Drop Boxes

(≥ 12" inspection opening) (removable lid to inspect)

1. Material: Endcap Plastic
   Number available outlets: 2 per cap
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: 17' + 9 + 9 + 9 ft.

D. Drainfield Absorption

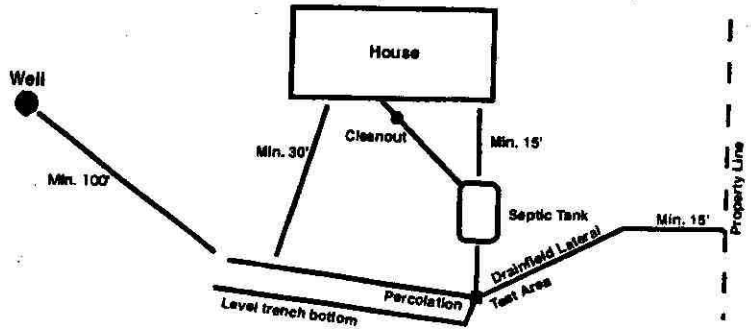
☑ Trench ☐ Bed ☐ Level Bottom

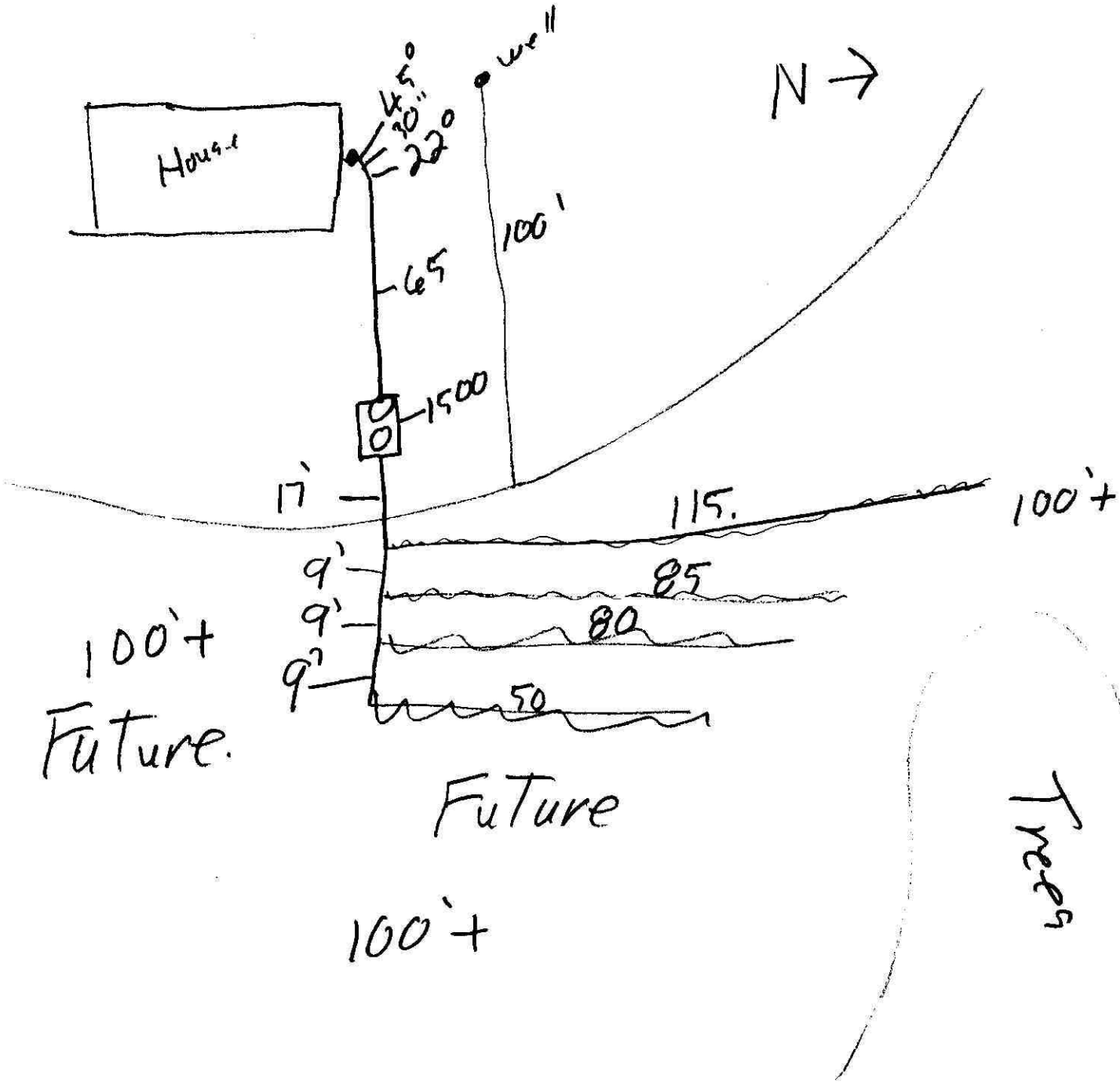
1. Type: ☐ Half rounds ☐ Perforated pipe ☐ Chambers
   Diameter or width: _____
   Number of distribution lines in bed _____
   Material: ☐ fiberglass ☑ plastic ☐ concrete
   ☐ other _____
2. Drainfield Laterals: Number 4
   Length of each line: 115 ft. 85 ft.
   80 ft. 50 ft., _____ ft.
3. Drainfield dimensions: Width 40 ft.
   Distribution Pipe Slope Flat in/100 ft.
   Average depth 26 - 30 in
4. Filter material: Soil
   Depth of material 26-30 in.
5. Distances to: Well or suction line 100 ft.
   Pressure line 100 ft.
   Property line 100 ft.
   House or building 100 ft.
   Lake or Stream 100 ft.

Complete As-Built drawing on the back fo this form.

Onsite Wastewater System Design (Example)

Indicate North with Arrow





Raymond Contracting, Inc.
Lloyd J Jakoubek
13800 NW 70th St
Raymond, NE 68428
402-783-2663

SCANNED

APR 1 8 2014

Lincoln-Lancaster County Health Department
Environmental Public Health Division
3140 N Street • Lincoln NE 68510-1514
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Legal Description NW 1/4 19 Section 10N Township 5E Range Oak Prairie Estates 3rd Subdivison Addition 4 Block Lot

PID 04-19-103-004-000

B. Owner

Name Jason Ensrud (Ensrud) Signature

Address P.O. Box 247 City/State/Zip Malcolm, NE 68402

Home Phone 308-708-0601 (308-708-0601) Work Phone 402-465-7505

C. Certified Installer

Name: Lloyd Jakubek, Raymond Contracting Inc Signature Lloyd Jakubek for Lloyd

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Work Phone 402-540-6004

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☐ Check and complete if engineer designed system P.E. License Number:

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E. This system will serve a

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Garbage Grinder? ☒ Yes ☐ No

☐ Commercial Establishment/Other Facility Specify Design flow in gallons per day

Type of Wastewater ☐ Domestic ☐ Non-Domestic

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Approval Process ☐ Municipal Code 24.38 ☐ County Resolution No. 02-30

1. Health Department

Site visits

Comments

Date rec'd 4/24/14
Date frwd 4/25/14

ACTION ☒ Approved ☐ Disapproved
Signature

2. Supt. Bldg. Insp. or Village Clerk

Comments

Date rec'd 4-24-14
Date frwd

ACTION ☒ Approved ☐ Disapproved
Signature

3. City or County Engineer

Comments Sliver of floodplain in the northeast corner of lot.

Date rec'd 4-24-14
Date frwd 4-24-14

ACTION ☒ Approved ☐ Disapproved
Signature James Blough

Installation Final Written Approval

By

Date 7/16/14

Business Office Use Only
Date Received 4-18-14 Amount Paid 345.00
Received By SB Cash/Check No. 8355

White - Health Department Yellow - Engineer Pink - Building & Safety

Form A Updated: 1/13

APR 1 8 2014

B

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Sewage Disposal System

Soil Absorption Test Data Report
Annex to Application

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System Location (Indicate correct number and street)

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Owner Justin Ensrud Addresss P.O. Box 247 Malcolm, NE 68402

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		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	27	4/16	9:00a	4/16	1:00p	4/17	8:00a	6	4/17	8:30a	30	1	30
2	22	"	"	"	"	"	"	"	"	"	"	2	15
3	23	"	"	"	"	"	"	"	"	"	"	5/8	48
4	24	"	"	"	"	"	"	"	"	"	"	15/16	32
5	24	"	"	"	"	"	"	"	"	"	"	1 7/8	18
6	22	"	"	"	"	"	"	"	"	"	"	1	30

Person Conducting Percolation Tests

Name: Terri L. Jahnke bek, Raymond Contracting, Inc.

Phone: 402-783-2603 or 402-890-3870

Address 13800 NW 70th St

Raymond, NE 68428 # C1198

Sum of Percolation Rates: 173

Average of Rates: 29

Rate Used for Calculation: 48 (do not use variance)

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Reviewing Action

Remarks _____

Signature of Reviewing Official _____ Date _____

FORM 23-101 10-96

APR 1 8 2014

SCANNED

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

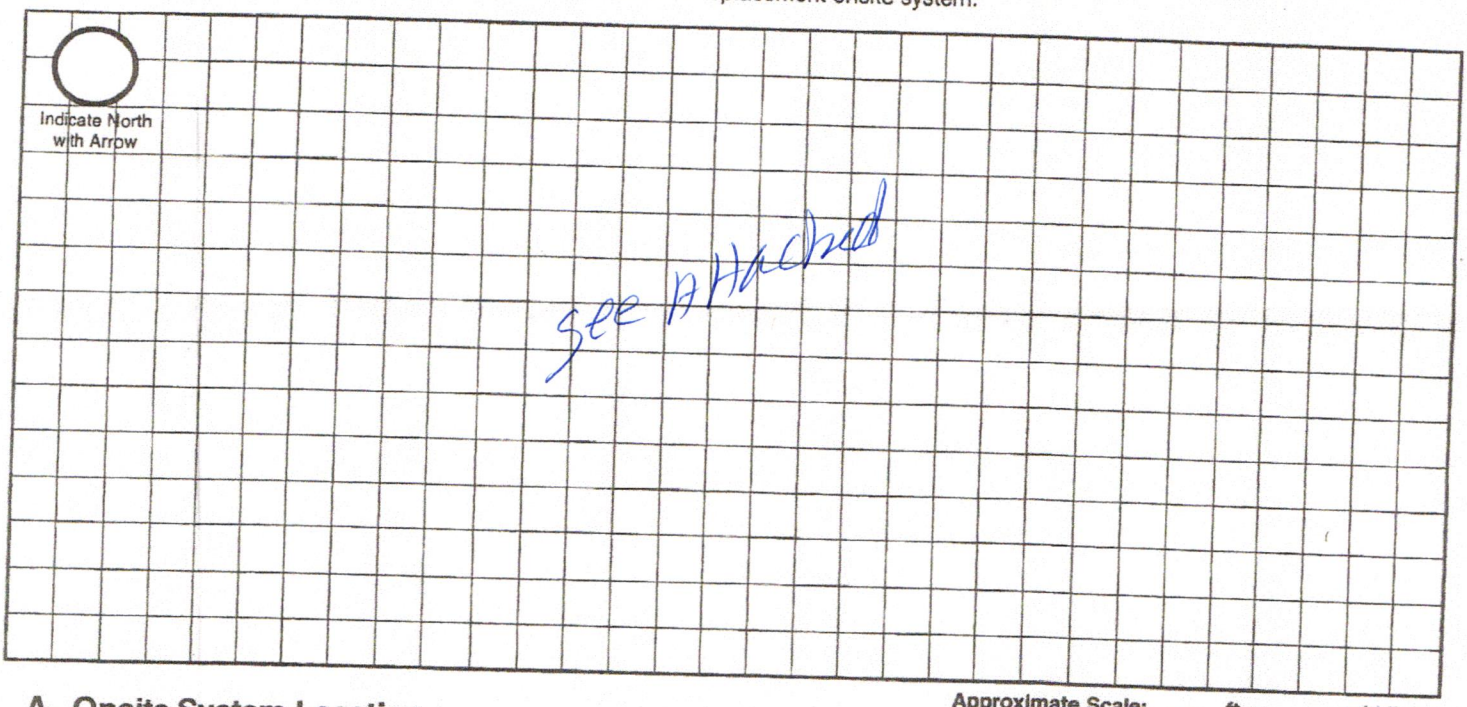
C

Permit Number: HS000891

Onsite Wastewater Treatment System

Preliminary Plan Specifications

Draw a plot plan showing onsite system sewer lines, drop of distribution boxes, tank, drainfields, percolation test holes, well, residence, direction of groundwater flow, property lines, and reserve area for replacement onsite system.



Approximate Scale: _____ ft. = _____ grid line/s

A. Onsite System Location

Address (no rural route) 1320 Oak Prairie Cir City Lincoln NE, Zip 68528

B. Proposed Septic Tank/s

Septic Tank Cap. 1,500 gals Tank Material: ☒ Concrete ☐ Plastic ☐ Other _____ ☐ Lagoon(Max. seepage 1/8" per day)

C. Reserve Area for Replacement Onsite System

☐ Drainfield Absorption Area (percoloation test required) ☐ Lagoon

D. Drainfield Absorption System

Percolation Rate 48 (min/inch = mpi) No. of Bedrooms 4 Soil Type Silt Loam Land Slope _____ %

☒ Trench ☐ Bed ☐ Non-Standard (engineer designed and NDEQ approved Total Square feet of drainfield 1,320 sq.ft.

Total length of laterals 330 Type of distribution: ☐ Perforated pipe ☐ Half-Round ☒ Chamber ☐ Other

No. of absorption trenches 3 Width 40" No. of drop boxes 3 Distrubtion Box _____

No. of absorption beds _____ Width _____ No of Distribution lines per bed End Caps

E. 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 ☐	☐

F. Required Signatures

Home Building Contractor Maria A Sim Date 4-17-14

Installer Kim L Johnson Date 4-16-14

Insite Form C 12-06



Lancaster County/City of Lincoln GIS Map

Synergy Homes/Jason Ensrud 402-499-7388 1320 Oak Prairie Cir, Lincoln, NE 68528

N
W E
S

Printed: Apr 18, 2014

DISCLAIMER: The information is presented on a best-efforts basis, and should not be relied upon for making financial, survey, legal or other commitments. If you have questions or comments regarding the data displayed on this map, please email ags@lincoln.ne.gov and you will be directed to the appropriate department.

10-5-19

SCANNED

SEP 18 2014

D

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

Permit Number: HS000891

Onsite Wastewater Treatment System

As Built Plans & Specifications

Oak Prairie Estates 2nd Add Lot 4

Date 9/15/2014 Legal Description NW 1/4 19-10N-5E 1/4 Section Township Range

Onsite System Location

Address (no rural route) 1320 Oak Prairie Cir City Lincoln NE, Zip 68528

Owner Jason Ensrud Address P.O. Box 247 Malcolm, NE 68402

A. Sewer Pipe

1. Material: SDR 26
   Diameter: 4 in.
2. Distance above basement floor: ____ in.
   or distance below basement floor: 16 in.
3. Distance between dwelling and septic tank: 65 ft.
4. Number of clean-outs: one
5. Distances to: well or suction line 30 ft.
   stream 100 ft.
   pressure line 100 ft.
   property line 100 ft.

B. Septic Tank

☑ Label with Manufacturer, address and gallon capacity

1. Material: concrete
   Number of compartments: one
2. Capacity: 1500 gal.
3. Factory built: ☑ Yes ☐ No
4. Manholes: Over inlet, diameter 24 in.
   Over outlet, diameter 24 in.
   Riser: ☐ above ☐ below grade AT in.
5. Inlet: ☑ baffle ☐ tee ☐ 6" dia. inspection pipe
6. Outlet: ☑ baffle ☐ tee ☐ 6" dia. inspection pipe
7. Depth to top of tank, below unfinished grade: 12 in.
8. Distances to: Well or suction line 80 ft.
   Stream 100 ft.
   Pressure line 100 ft.
   Property line 100 ft.

C. ☐ Distribution Box ☑ Drop Boxes

(≥ 12" inspection opening) (removable lid to inspect)

1. Material: End CAP PLASTIC
   Number available outlets: 2 per CAP
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: 17' + 9 + 9 + 9 ft.

D. Drainfield Absorption

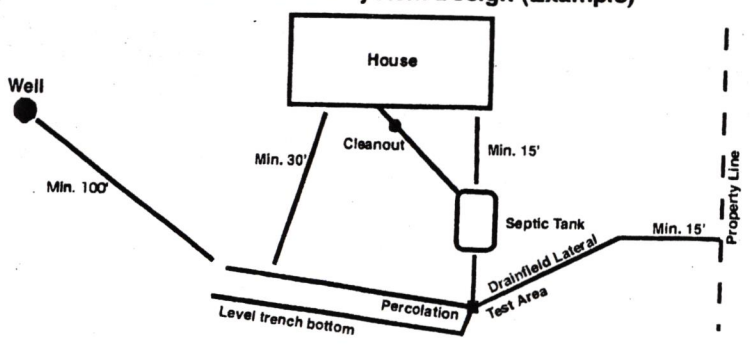
☑ Trench ☐ Bed ☐ Level Bottom

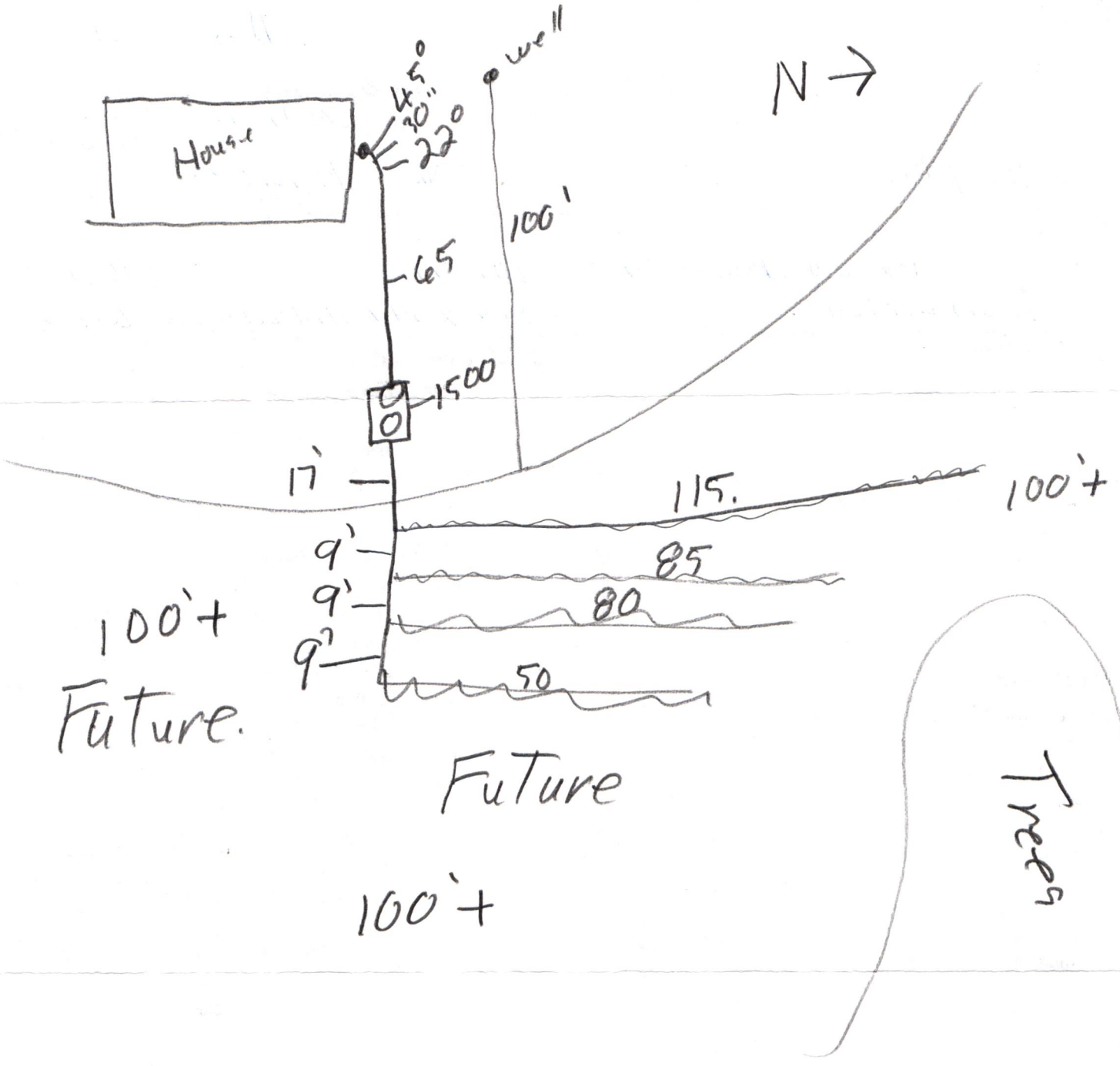
1. Type: ☐ Half rounds ☐ Perforated pipe ☐ Chambers
   Diameter or width: ____
   Number of distribution lines in bed ____
   Material: ☐ fiberglass ☑ plastic ☐ concrete
   ☐ other ____
2. Drainfield Laterals: Number 4
   Length of each line: 115 ft. 85 ft.
   80 ft. 50 ft., ____ ft.
3. Drainfield dimensions: Width 40 ft.
   Distribution Pipe Slope FLAT in/100 ft.
   Average depth 26 - 30 in
4. Filter material: SOIL
   Depth of material 26-30 in.
5. Distances to: Well or suction line 100 ft.
   Pressure line 100 ft.
   Property line 100 ft.
   House or building 100 ft.
   Lake or Stream 100 ft.

Complete As-Built drawing on the back fo this form.

Onsite Wastewater System Design (Example)

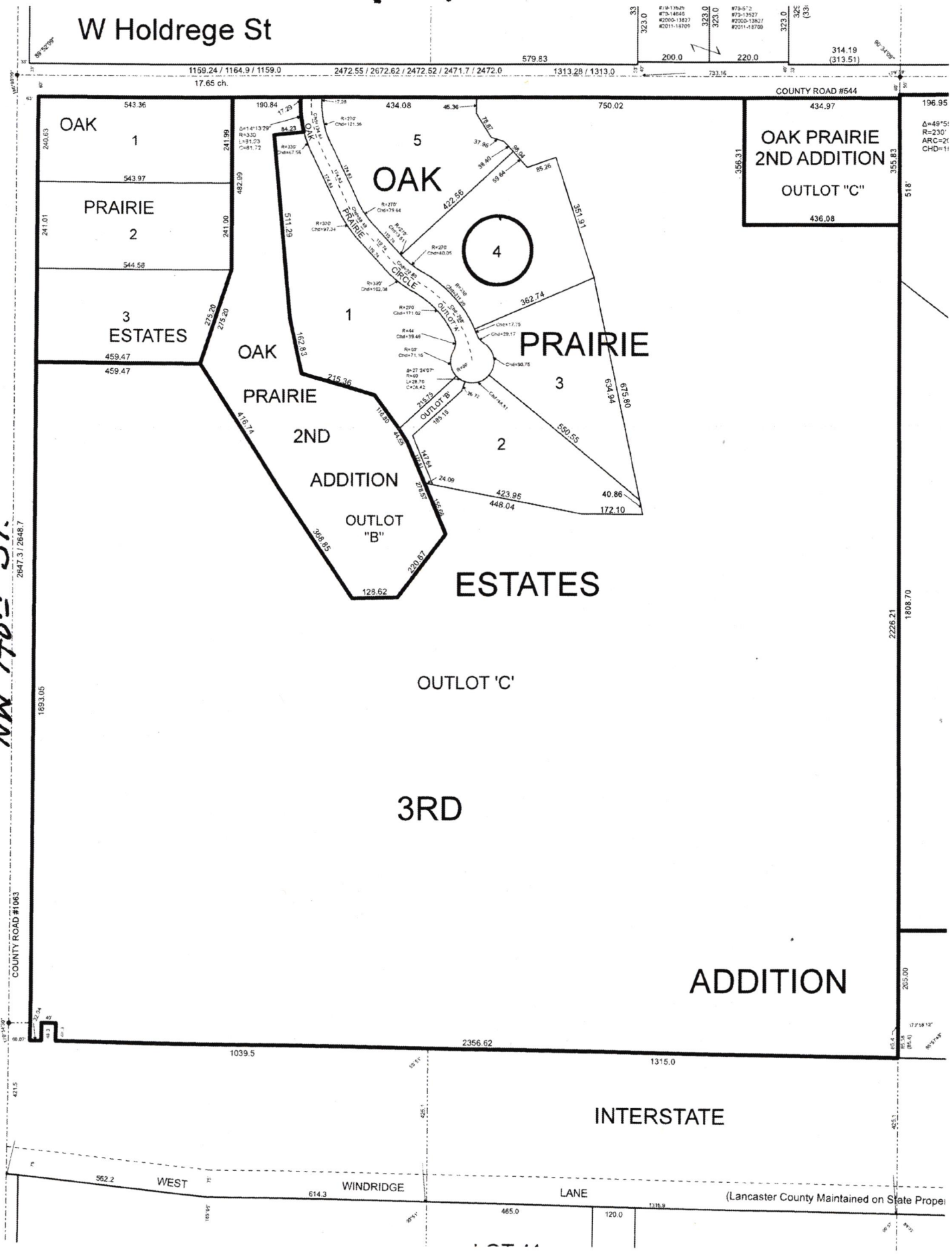
Indicate North with Arrow





Raymond Contracting, Inc.
Lloyd J Jakoubek
13800 NW 70th St
Raymond, NE 68428
402-783-2663

Sec. 19
(10-5)


W Holdrege St
COUNTY ROAD #544
OAK PRAIRIE 2ND ADDITION
OUTLOT "C"
OAK
PRAIRIE
3 ESTATES
OAK PRAIRIE 2ND ADDITION
OUTLOT "B"
PRAIRIE CIRCLE
OUTLOT 'A'
PRAIRIE 3
PRAIRIE 2
ESTATES
OUTLOT 'C'
3RD
ADDITION
NW 140th St
COUNTY ROAD #1063
INTERSTATE
WEST WINDRIDGE LANE
(Lancaster County Maintained on State Prope