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

A

Permit Number HS002170

New Construction

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 8420 N 162nd St (no rural route) City Waverly, NE Zip 68462

Legal Description SW (1/4) NW (1/4) 26 (Section) 11N (Township) 8E (Range) Subdivison Addition Block Lot

PID 24-26-100-002-000

B. Owner

Name ~~Lynn D Larson~~ Duane Larson Signature F. Duane Larson

Address 1130 Lamplighter LN City/State/Zip Lincoln, NE 68510

Home Phone 402-617-3280 Work Phone

C. Certified Installer

Name: Lloyd Jakoubek, Raymond Contracting Inc Signature Lloyd L. Jakoubek

Address 13800 NW 70th St City/State/Zip Raymond, NE 68428

Work Phone 402-890-6009 or 402-783-2663

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 2 Whirlpool Bathtub? ☐ Yes ☑ No Total Acres 78.81

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 1-19-21 Amount Paid $140.00
Received By JAO Cash/Check No. CC5040

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

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

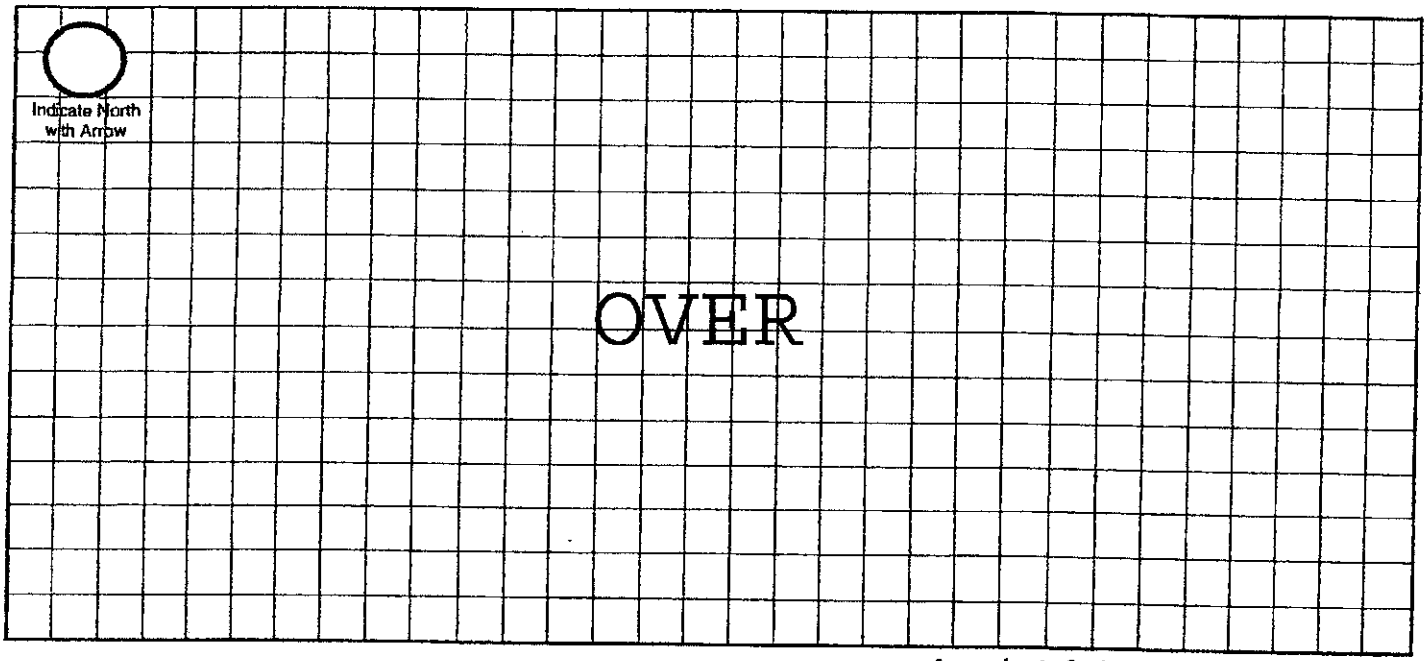
C

Permit Number:

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) 8420 N 162nd St City Waverly NE, Zip 68462

B. Proposed Septic Tank/s

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

C. Reserve Area for Replacement Onsite System

☐ Drainfield Absorption Area (percolation test required) ☒ Lagoon

D. Drainfield Absorption System

Percolation Rate_____ (min/inch = mpi) No. of Bedrooms_____ Soil Type_____ Land Slope_____%

☐ Trench ☐ Bed ☐ Non-Standard (engineer designed and NDEQ approved Total Square feet of drainfield_____sq.ft.

Total length of laterals_____ Type of distribution: ☐ Perforated pipe ☐ Half-Round ☐ Chamber ☐ Other

No. of absorption trenches_____ Width_____ No. of drop boxes_____ Distrubtion Box_____

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

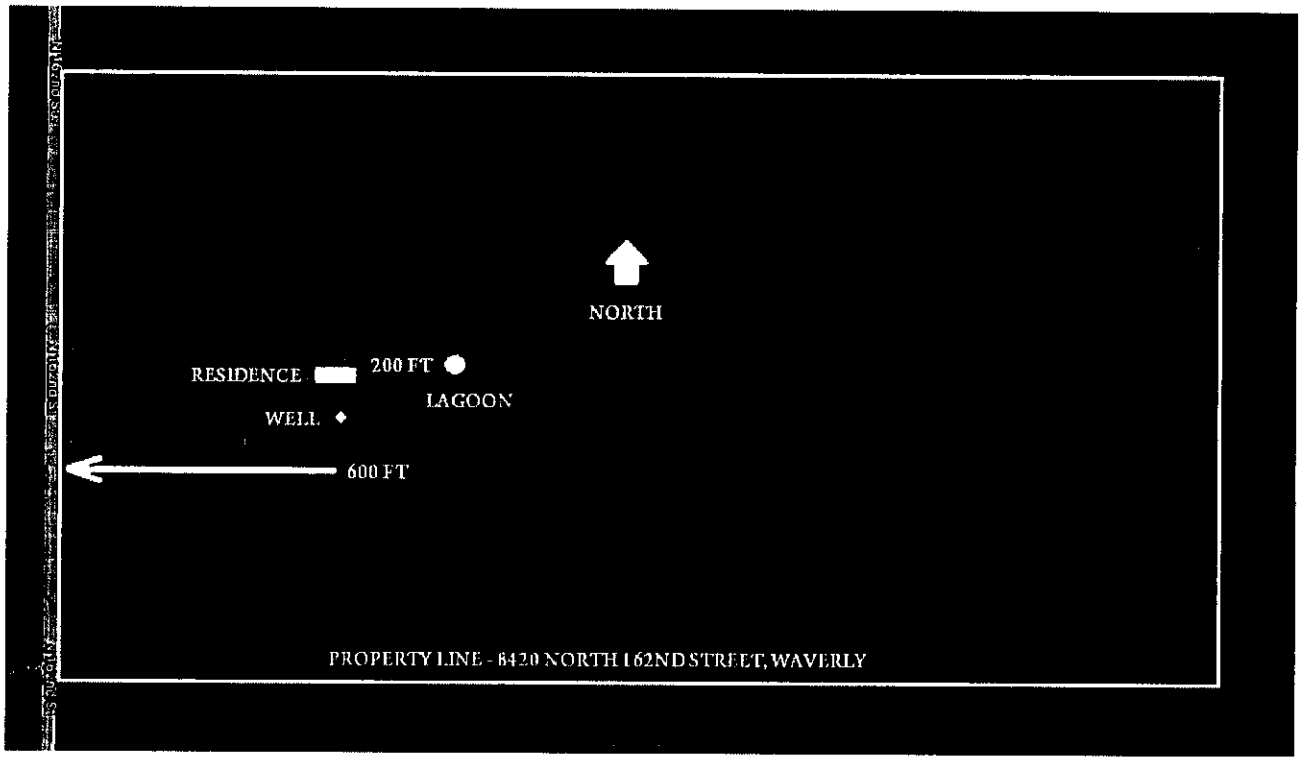
E. Setbacks Check the Boxes Below if the Required Setback has been Satisfied

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 Lyn Larson Date 1-15-2021

Installer Marie L. Jakobsen Date 1/16/21


NORTH
RESIDENCE
200 FT
LAGOON
WELL
600 FT
PROPERTY LINE - 8420 NORTH 162ND STREET, WAVERLY

Lincoln-Lancaster County Health Department
Environmental Public Health Division (402) 441-8027
3131 O Street Lincoln, Nebraska 68510-1514

ON-SITE WASTE WATER SYSTEM
CONSTRUCTION - INSTALLATION PERMIT
No. HS002170

System Type: Lagoon

Situs: No Site Address Specified

Issued: 1/22/2021

Expires: 1/22/2022

Description: S26, T11, R8, 6th Principal Meridian, S1/2 NW

Owner: LARSON, DUANE & IRENE FAMILY
LIMITED PARTNERSHIP
ATTN: AUSTIN CO-RYAN BEEBE PO
BOX 70
MILFORD, NE 68405

Patricia D. Lopez

Patricia D. Lopez, RN, MSN, Interim 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.

Patricia D. Lopez

Patricia D. Lopez, RN, MSN
Health Director

RAYMOND CONTRACTING INC
13800 NW 70TH ST
RAYMOND, NE 68428

Nate C. Hartman

From: John V. Berry
Sent: Wednesday, January 20, 2021 7:49 AM
To: Nate C. Hartman
Subject: Sewage Disposal System for PID #24 26 100 002 000
Attachments: 8420 N. 162nd.PNG

Nate,
Lancaster County Engineering Department indicates approval for a Sewage Disposal System for the S1/2 of the NW1/4 of Section 26, Township 11 North, Range 8 East, Lancaster County Nebraska, Property Address; 8420 N. 162nd Street, Waverly, Nebraska.
As always, subject to confirmation of and compliance with any floodplain elevation requirements prior to construction

John V. Berry RLS #535
Lancaster County Surveyor
444 Cherrycreek Road, Bldg "C"
JBERRY@Lancaster.ne.gov
Phone (402) 441-7681

Nate C. Hartman

From: Todd A. Stutzman
Sent: Friday, January 22, 2021 9:20 AM
To: Nate C. Hartman
Subject: Buildable lots

Nate,

20700 S 25th located in S6, T7, R7 Lot 8 NW is buildable.

8420 N 162nd located in S26, T11, R8, S 1/2 NW is buildable.

Todd Stutzman
Plans Examiner II
402-441-7097
tstutzman@lincoln.ne.gov

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

B

Permit Number:

Onsite Wastewater Treatment System

Soil Evaluation Report

PLEASE PRINT OR TYPE

Onsite System Location

Address 8420 N 162nd St (no rural route) City Waverly NE, Zip 68462

Owner Duane Larson Address 1130 Lamplighter Ln, Lincoln, NE 68510

Date of Tests 3/31/21 to 4/1/21 Weather: Precipitation 0 Temperature 51°

Percolation Test Data Table

A.	B.	C. D. E. F. Saturation/Swelling Time				G. H. I. J. K. Water Level Drop Last 30 mins of 4 hr or last 10 mins of 1 hr					L. M. N. Results		
		Start		End		Start		Initial	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 Interval	Water Level Drop (in)	Percolation Rates (Min/in = mpi)
1	37	3/31	1:00p	4/1	1:00p	4/1	4:30p	6	4/1	5:00p	30	1/2	60
2	20	"	"	"	"	"	"	6	"	"	"	1/2	60
3	20	"	"	"	"	"	"	6	"	"	"	1	30
4	22	"	"	"	"	"	"	6	"	"	"	3/4	40
								6					
								6					
								6					
								6					

Person Conducting Percolation Test

Name: Terri L Jakoubek, Raymond Contracting, Inc.

Phone: 402-783-2663 or 402-890-6009

Address 13800 NW 70th St

Raymond, NE 68428 Cert #1198

Soil type (NRCS Maps/Other) Aksarben SCL

Groundwater Depth 8'

Sum of Percolation Rates: 190

Average of Rates: 48

Rate Used for Calculation: 60 (20 mpi variance)

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Comments (Soil type, groundwater, floodplain, etc.)

Signature of Reviewing Official Date

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

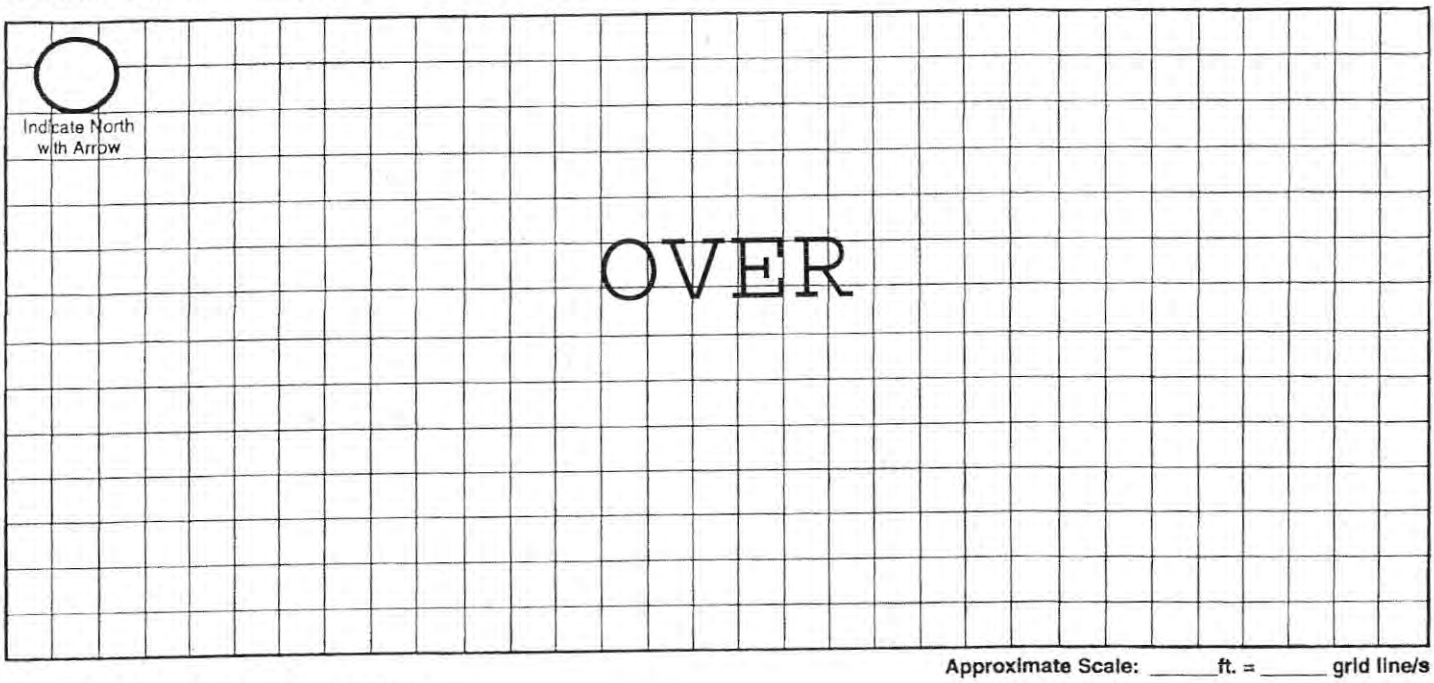
C

Permit Number: HS002170

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) 8420 N 162nd St City Waverly NE, Zip 68462

B. Proposed Septic Tank/s

Septic Tank Cap. 1000 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 60 (min/inch = mpi) No. of Bedrooms 2 Soil Type Aksarben SCL Land Slope_____%

☒ Trench ☐ Bed ☐ Non-Standard (engineer designed and NDEQ approved Total Square feet of drainfield 720 sq.ft.

Total length of laterals 160 Type of distribution: ☐ Perforated pipe ☐ Half-Round ☐ Chamber ☒ Other EZFlow 1203H

No. of absorption trenches 2 Width 38" No. of drop boxes 1 Distrubtion Box_____

No. of absorption beds_____ Width_____ 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

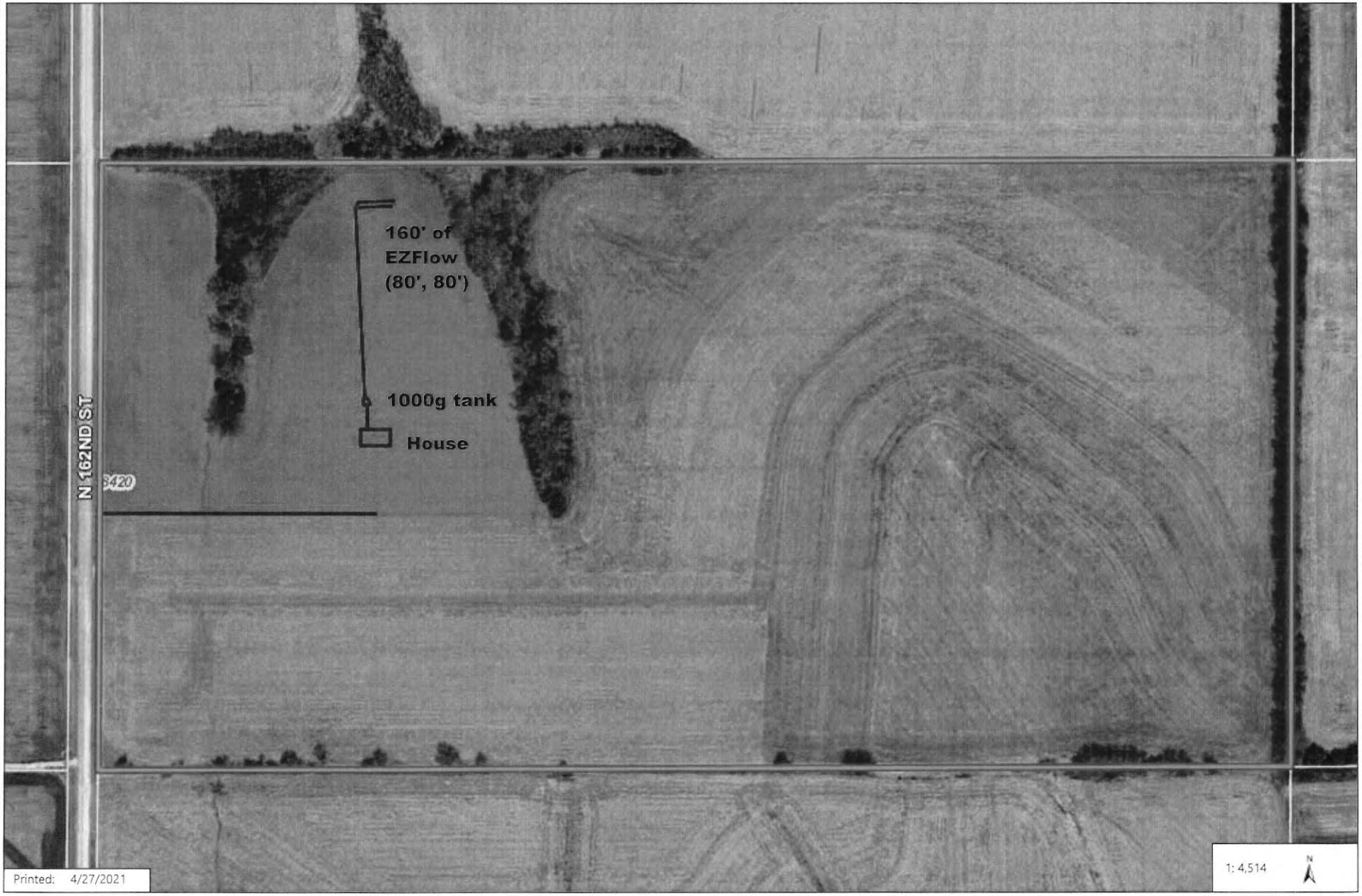
Home Building Contractor_____ Date_____

Installer Mark L Jakubek Date 4/27/21

Duane Larson 8420 N 162nd St, Waverly, NE 68462

GIS Viewer
CITY OF LINCOLN - LANCASTER COUNTY, NE

City of Lincoln\Lancaster County GIS Map



Printed: 4/27/2021

1: 4,514

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 assessor@lancaster.ne.gov and you will be directed to the appropriate department.

Lincoln-Lancaster County Health Department
Environmental Public Health Division
3131 N Street • Lincoln NE 68510-1514
Phone: 402-441-8643

D

Permit Number: HS002170

Onsite Wastewater Treatment System
As-Built Description and Drawing

Type of Onsite Wastewater System: ☐ Lagoon (Skip to Back Page) ☑ Subsurface Septic ☐ Mound

Onsite Wastewater System Location PID = 24-26-100-002-000

Address or Legal Description or Parcel Identification Number (PID) 8420 N 162nd St, Waverly, NE 68462

Owner: Duane Larson Address 201 S 84th St, Lincoln, NE 68510

A. Wastewater Piping

1. Material: SDR26 Diameter: 4 in.
2. Distance between dwelling and septic tank: 522 ft.

B. Septic Tank

1. Material Concrete
2. Capacity: 1000 gallon
3. Depth to top of tank, below unfinished grade: 24-30 in.
4. Distance to:
   Well 500 ft. +
   Pressure line N/A ft +
   Property Line 100 ft. +
   Foundation 500 ft. +

C Distribution Box or Drop Box

Distance and Direction from septic tank: N ft. 16
(Drainfield Control Valve)

D. Drainfield/Absorption Field

☑ Trench ☐ Bed

1. Type: ☐ Perforated Pipe ☐ Chamberless ☑ Other
   Material brand and inside width of Chamberless: EZFlow 1203H Bundles
2. Number of Laterals: 2 Depth: 2-1/2' to 3'
3. Length of each lateral (linear): ft. 80 ft. 80 ft. ____ ft. ____
4. Drainfield size: 720 sq. ft. (300 per)
5. Distance to:
   Well 500 ft. +
   Pressure line N/A ft. +
   Property line 10 ft. +
   Depth of Groundwater >8'

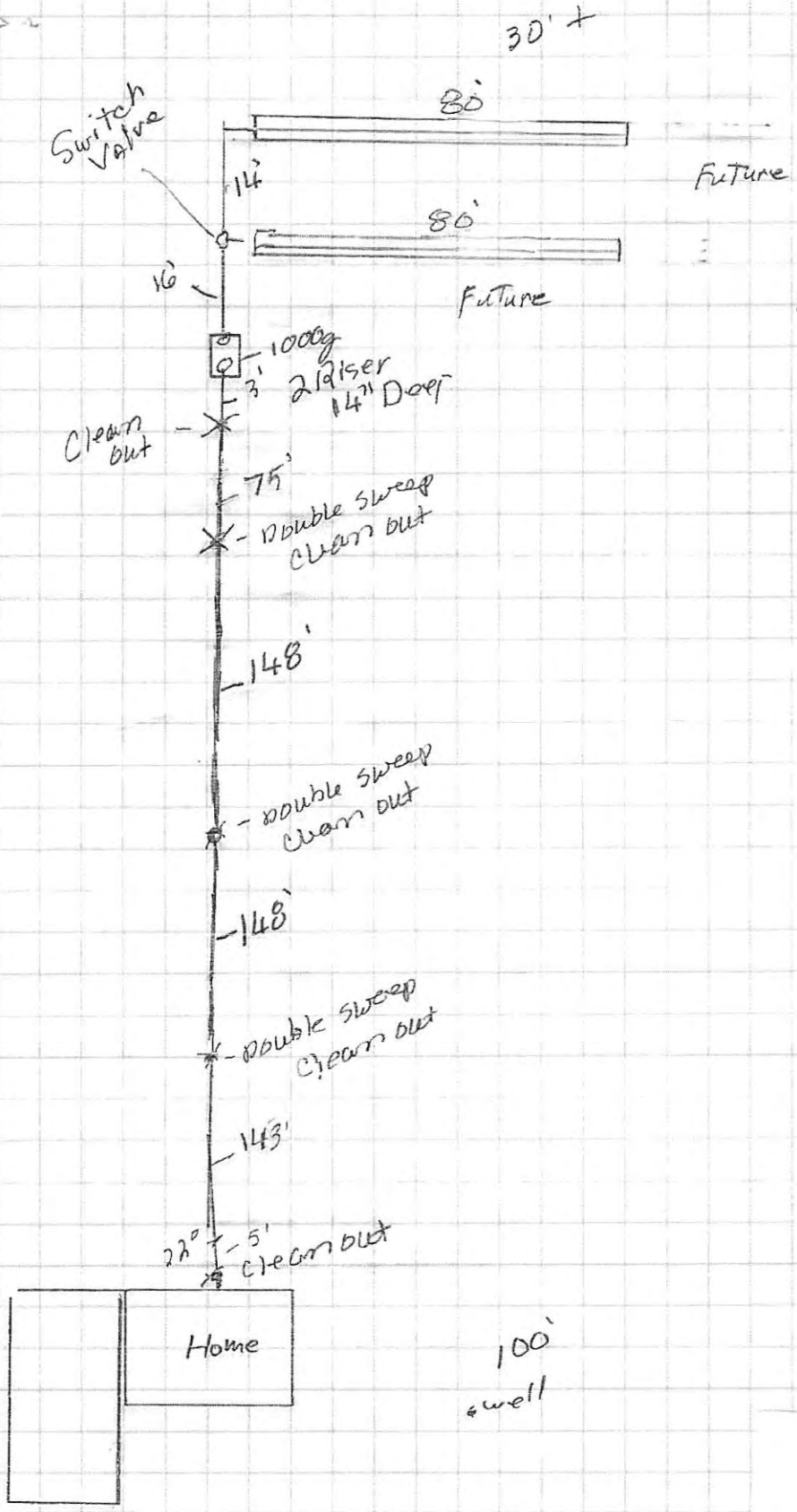
Was the Onsite Wastewater System covered prior to LLCHD inspection? ☑ Yes (Partially) ☐ No

If Yes, the Certified Professional must sign below for final approval:

I swear and affirm that the system complies with Lincoln Municipal Code (LMC) 24.38 and/or County Resolution R-13-0062 requirements and that the information and documentation submitted are true and accurate.

Certified Professional Signature: [signature] Date: 7/9/21

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



2 Bed Room yes/No
60 mpi
1000g Tank.

8420 N 162nd ST.
Waverly, NE. 68462

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

7/9/21

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

SCANNED

A

Permit Number HS002170

New Construction

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)

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PLEASE PRINT OR TYPE

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Legal Description SW¼ NW 26 11N 8E

~~NW~~ 1/4 Section Township Range Subdivison Addition Block Lot

PID 24-26-100-002-000

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Name ~~Lynn D Larson~~ Duane Larson Signature D. Duane Larson

Address 1130 Lamplighter LN City/State/Zip Lincoln, NE 68510

Home Phone 402-617-3280 Work Phone

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Name: Lloyd Jakoubek, Raymond Contracting Inc Signature Lloyd L. Jakoubek

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Work Phone 402-890-6009 or 402-783-2663

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

Designer Name Firm Work Phone

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

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 1/22/22 Date frwd 1/22/22

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 2/22/22 See Reject

Business Office Use Only

Date Received 1-19-22 Amount Paid $140.00

Received By JMO Cash/Check No. CC5040

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

Form A Updated: 1/13