MAY 1 2017

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

A

Permit Number HS001446

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 815 Anthony Ln (no rural route) City Lincoln, NE Zip 68520

Legal Description SE (1/4) 26 (Section) 10N (Township) 7E (Range) Hillcrest Heights (Subdivison) 6 (Block) 1 (Lot)

PID 17-26-207-001-000

B. Owner

Name Charles G Nicol Signature Kevin K. Nicol

Address 815 Anthony Ln City/State/Zip Lincoln, NE 68520

Home Phone 402-420-5658 Work Phone

C. Certified Installer

Name: Lloyd Jakoubek, Raymond Contracting Inc Signature

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 3 Whirlpool Bathtub? ☐ Yes ☒ No Total Acres 1.28

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 ACTION ☐ Approved ☐ Disapproved

Site visits Date rec'd Signature

Date frwd

Comments

2. Supt. Bldg. Insp. or Village Clerk ACTION ☐ Approved ☐ Disapproved

Comments Date rec'd Signature

Date frwd

3. City or County Engineer ACTION ☐ Approved ☐ Disapproved

Comments Date rec'd Signature

Date frwd

Installation Final Written Approval

By

Date

Business Office Use Only
Date Received 5-1-17 Amount Paid $395
Received By SB Cash/Check No. 9140

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

Form A Updated 1/13

C

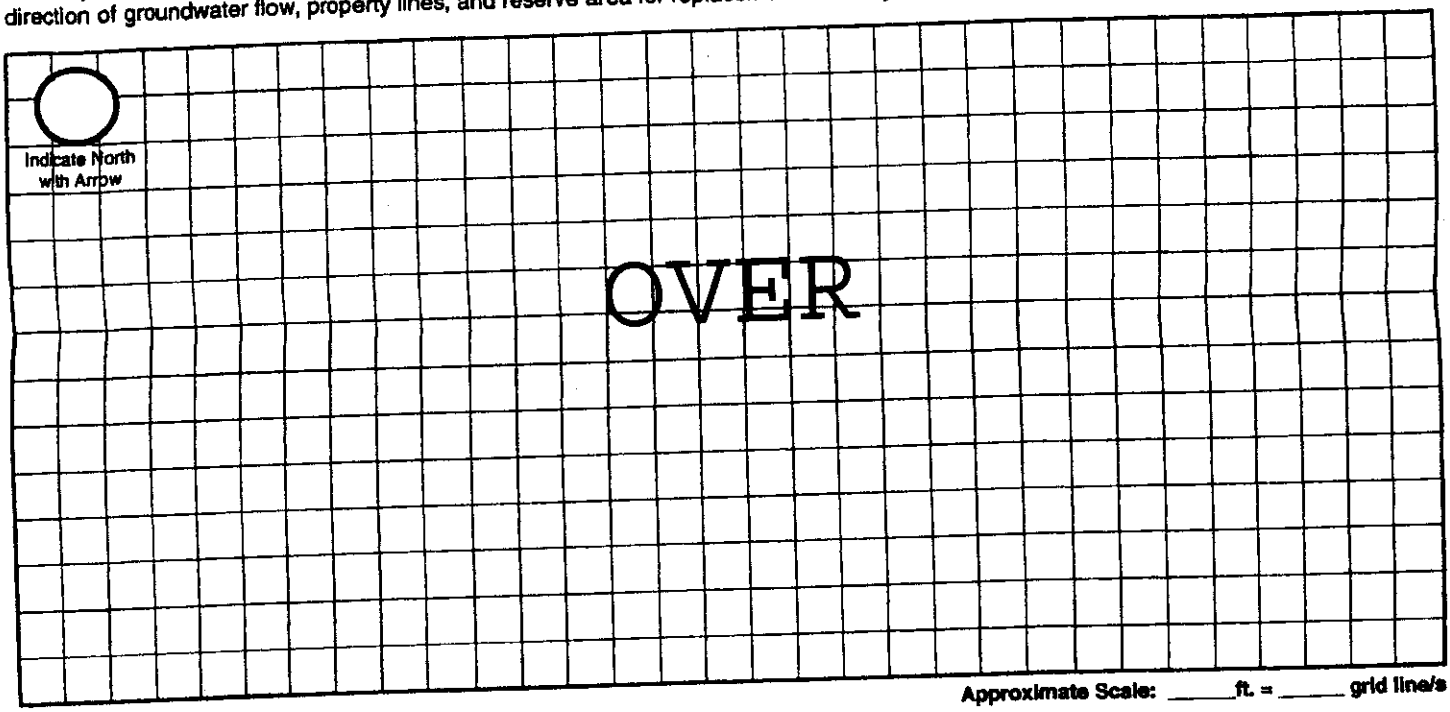
Lincoln-Lancaster County Health Department
Environmental Public Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

Permit Number: 17S001446

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) 815 Anthony Ln City Lincoln NE, Zip 68520

B. Proposed Septic Tank/s

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

Plus a 1,000 gallon pump tank following septic tank.

C. Reserve Area for Replacement Onsite System

☐ Drainfield Absorption Area (percoloation test required) ☒ Lagoon

D. Drainfield Absorption System

Percolation Rate 47 (min/inch = mpi) No. of Bedrooms 3 Soil Type Aksarben SCL Land Slope _____ %

☒ Trench ☐ Bed ☐ Non-Standard (engineer designed and NDEQ approved Total Square feet of drainfield 1,080 sq.ft.

Total length of laterals 240 Type of distribution: ☐ Perforated pipe ☐ Half-Round ☐ Chamber ☒ Other EZFlow 1203H

No. of absorption trenches 4 Width 40" No. of drop boxes _____ Distrubtion Box 1

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 Existing Home Date _____

Installer [signature] Date 4/27/2017

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

B

Permit Number: 1 S001446

Onsite Wastewater Treatment System

Soil Evaluation Report

PLEASE PRINT OR TYPE

Onsite System Location

Address 815 Anthony Ln (no rural route) City Lincoln NE, Zip 68520

Owner Charles Nicol Address Same

Date of Tests 3/20/17 to 3/21/17 Weather: Precipitation 0 Temperature 49°

Percolation Test Data Table

A.	B.	C.	D.	E.	F.	G.	H.	I.	J.	K.	L.	M.	N.
		Saturation/Swelling Time				Water Level Drop Last 30 mins of 4 hr or last 10 mins of 1 hr					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	22	3/20	11:30a	3/20	3:30p	3/21	4:00p	6	3/21	4:30p	30	9/16	53
2	27	"	"	"	"	"	"	6	"	"	"	5/8	48
3	24	"	"	"	"	"	"	6	"	"	"	3/4	40
								6					
								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 SL
Groundwater Depth >6'

Sum of Percolation Rates: 141
Average of Rates: 47
Rate Used for Calculation: 47

DO NOT WRITE BELOW THIS LINE

Reviewing Action

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

Signature of Reviewing Official Date

Property Line

(Grey)

Charles G. And Karen K. Nicol
815 Anthony LN.
Lincoln NE 68521
SE 1/4 S26 - T10N - R7E
Hillcrest Heights Block 6 - Lot 1



SUMP/EFFLUENT

1/2 hp
4000 gph

- Automatic submersible cast iron sump/effluent pump ideal for high volume water removal needs
- Clog-resistant design
  Capable of passing 1/2" diameter semi-solids
- Heavy-duty cast iron construction
  Includes a cast iron motor cover
- Integrated snap-action float switch
  Reliable, automatic operation for use in basins 11" in diameter or greater
- Profiled/turned-grade shaft seal
  Assures maximum protection for extended pump life

70'

24" D-Box

70'

60' All EZ Flow

60'

50'

N →

Future use.

50'

100'

Well

Property Line

4" Return Line Feed High out of D-Box

Pump Tank

Union

Supply To 1 1/2"

D-Box

Inlet

42"

Alarm Float

Pump Float on pump 5"

70' 1" conduit Electrical From Garage.

1 1/2 pump Line 200'

4 plastic Risers and Lids

Concrete 1500g Septic 2-24" Risers.

4' Deep

Concrete 1000g Pump Tank 2-24" Risers.

Alarm, pump control

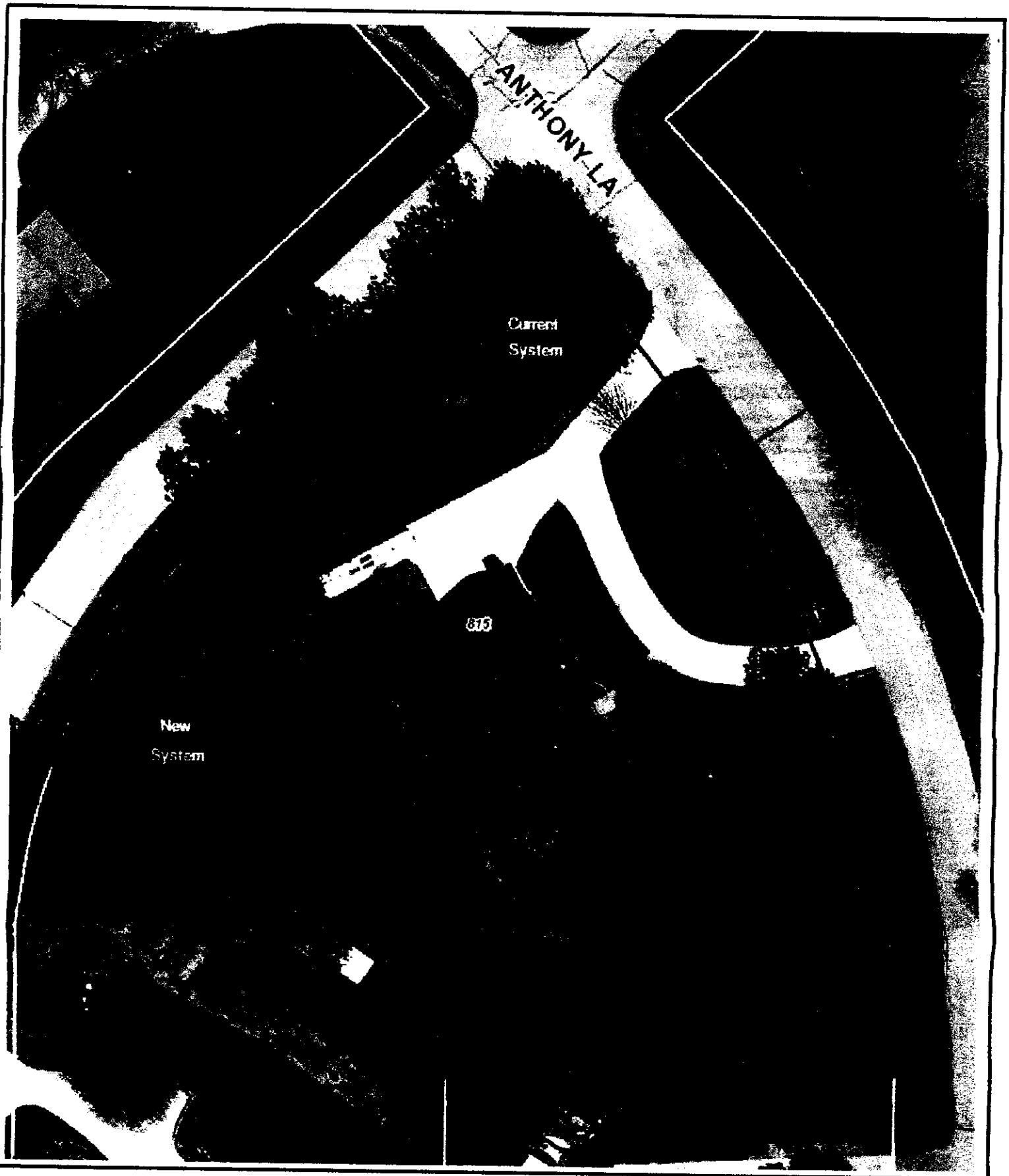
old D-Box Try To Tie in To.

Tank 1033 gallon
÷ 42 inch
24.5 gallon per Inch.
(200' of 1 1/2 Line Holds. 22 gallon)

5" x 24.5 = 122.5

122.5 gallon per cycle
−22 Drain Back
(100.5 gallon per cycle Delivered)

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



Lancaster County/City of Lincoln GIS Map

Charles Nicol 815 Anthony Ln, Lincoln ,NE 68520 402-202-0154

N
W E
S

Printed: Apr 27, 2017

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. HS001446

System Type: Standard

Situs: 815 ANTHONY LN, RURAL, NE

Issued: 5/4/2017

Expires: 5/4/2018

Description: HILLCREST HEIGHTS, BLOCK 6, Lot 1

Owner: NICOL, CHARLES G & KAREN K
815 ANTHONY LN
LINCOLN, NE 68520

Charlotte Burke, MS, RD, 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.

Charlotte Burke, MS, RD
Interim Health Director

RAYMOND CONTRACTING
13800 NW 70TH T
RAYMOND, NE 68428

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

OK 6/28/17

D Exhibit 4

Permit Number: HS001446

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=17-26-207-001-000

Address or Legal Description or Parcel Identification Number (PID) 815 Anthony Ln, Lincoln, NE 68520

Owner: Charles G Nicol Address Same

A. Wastewater Piping

1. Material: SDR26 Diameter: 4 in.
2. Distance between dwelling and septic tank: 50 ft. +

B. Septic Tank

1. Material Concrete
2. Capacity: 1,560
3. Depth to top of tank, below unfinished grade: 60 in.
4. Distance to:
   Well 160 ft. +
   Pressure line N/A ft
   Property Line 20 ft.
   Foundation 50 ft.

C Distribution Box or Drop Box

Distance and Direction from septic tank: SW ft. 175

D. Drainfield/Absorption Field

☒ Trench ☐ Bed

1. Type: ☐ Perforated Pipe ☐ Chamberless ☒ Other EZ Flow
   Material brand and inside width of Chamberless: EZ Flow 1203 H Bundles
2. Number of Laterals: 5
3. Length of each lateral (linear): ft. 40 ft. 50 ft. 50 ft. 50 ft. 50
4. Drainfield size: 1,080 sq. ft.
5. Distance to:
   Well 160 ft. +
   Pressure line N/A ft.
   Property line 15 ft.
   Depth of Groundwater >81

System covered & completed prior to inspection - WH

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

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

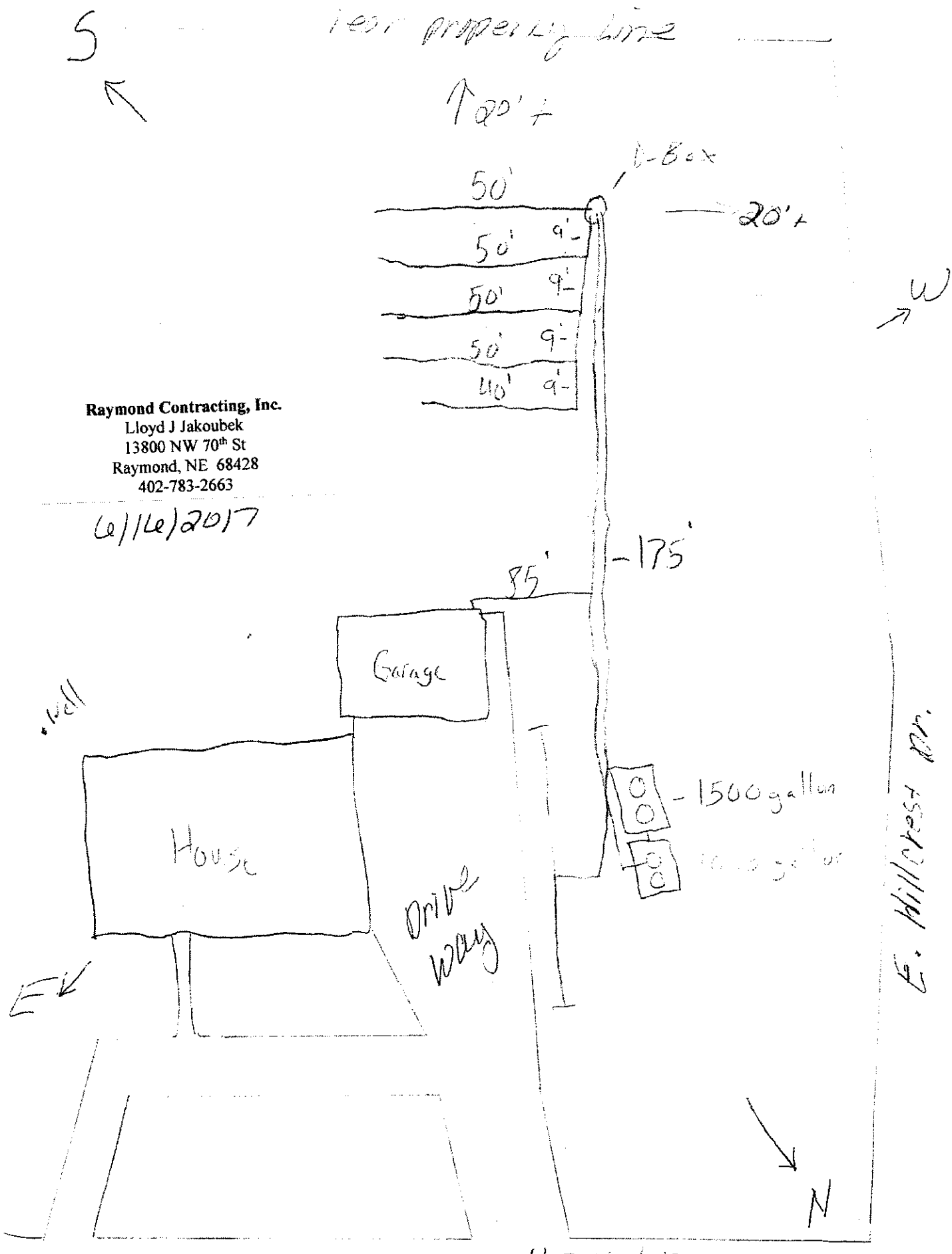
"I swear and affirm that the system complies with Lincoln Municipal Code (LMC) 24.38 and/or County Resolution R-13-0062 requirements and that the information and documentation submitted are true and accurate.

Certified Professional Signature: Kevin J. Jablonski Date: 6/16/17

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

System also includes a 1,000 gallon pump tank also 60" deep.

Updated 4/05


S
rear property line
↑ 20' +
L-Box
50'
20' +
50' 9'-
50' 9'-
50' 9'-
40' 9'-
W
Raymond Contracting, Inc.
Lloyd J Jakoubek
13800 NW 70th St
Raymond, NE 68428
402-783-2663
6/16/2017
175'
85'
Garage
well
House
Drive way
1500 gallon
E
N
E. Hillcrest Dr.
Anthony Ln

Pump + Detail Sheet

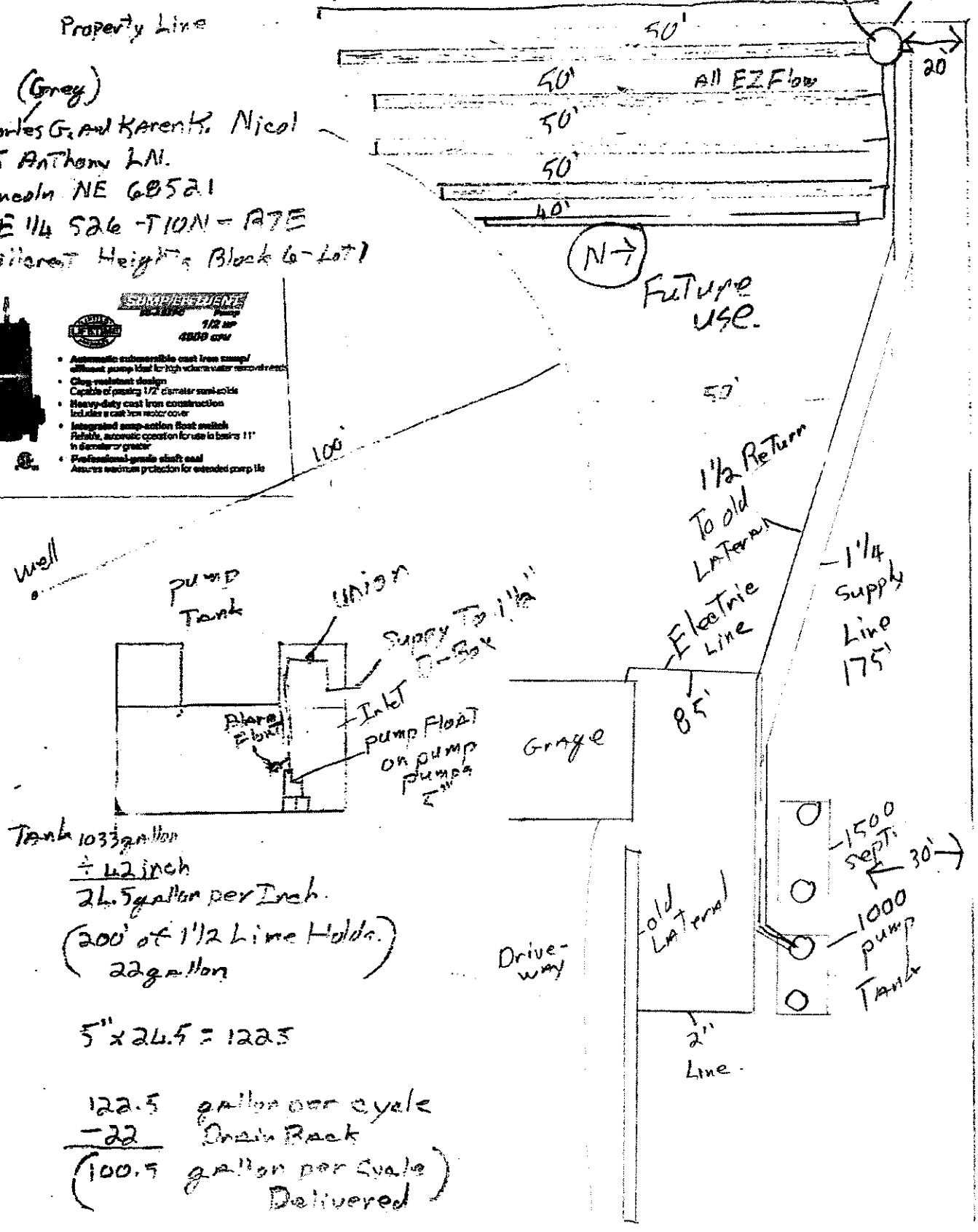
Property Line

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SUMP/EFFLUENT PUMP
1/2 HP
4800 GPH

- Automatic submersible cast iron sump/effluent pump ideal for high volume water removal needs
- Clog-resistant design
  Capable of passing 1/2" diameter semi-solids
- Heavy-duty cast iron construction
  Includes a cast iron motor cover
- Integrated snap-action float switch
  Reliable, automatic operation for use in basins 11" in diameter or greater
- Professional-grade shaft seal
  Assures maximum protection for extended pump life



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