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

B

Permit Number: HS001066

Onsite Wastewater Treatment System

Soil Evaluation Report

PLEASE PRINT OR TYPE

Onsite System Location

Address 10544 W Wittstruck Rd (no rural route) City Crete NE, Zip 68333

Owner Mitch & Pam Gerdes Address 6501 S 34th St, Lincoln, NE 68516

Date of Tests 4/30/15 to 5/1/15 Weather: Precipitation 0 Temperature 64

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	20	4/30	2:00p	4/30	6:00p	5/1	11:30a	6	5/1	12:00p	30	11/16	44
2	24	"	"	"	"	"	"	6	"	"	"	5/8	48
3	22	"	"	"	"	"	"	6	"	"	"	1/2	60
								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

Sum of Percolation Rates: 152
Average of Rates: 51
Rate Used for Calculation: 51

Soil type (NRCS Maps/Other) Burchard Clay Loam/Silty Clay Loam
Groundwater Depth >6.7'

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

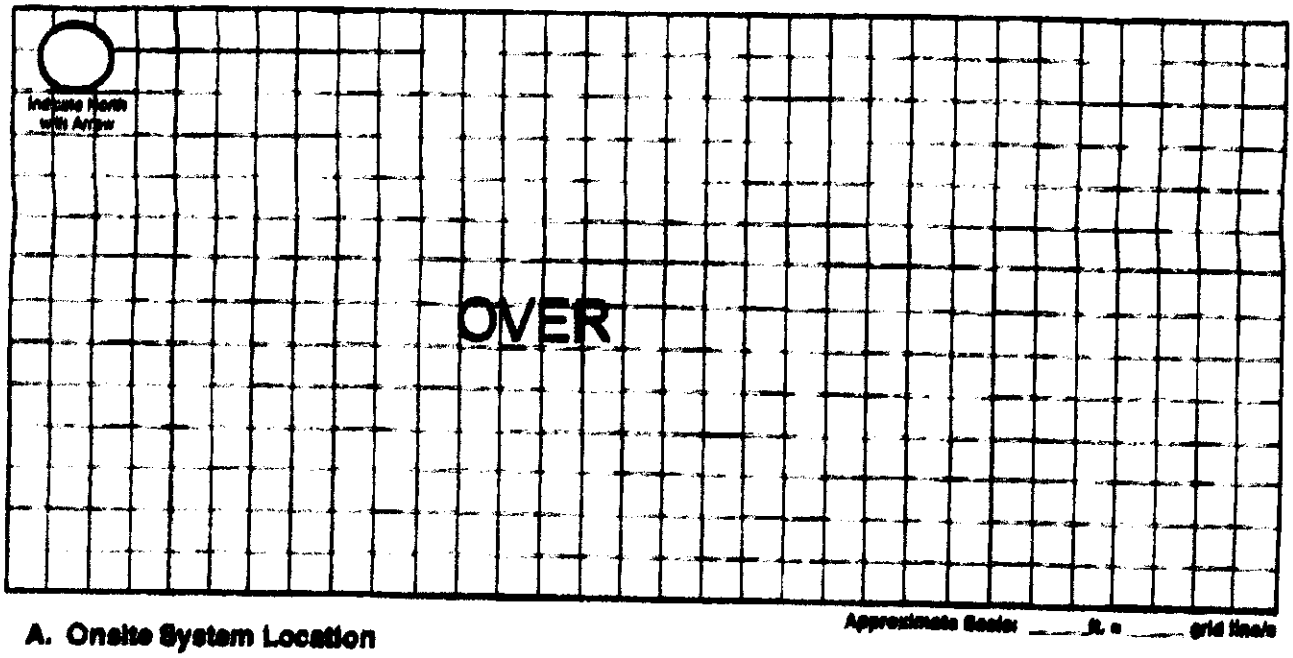
C

Permit Number: HS001066

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 lines

A. Onsite System Location

Address (no rural route) 10544 W Wittstruck Rd City Crete NE, Zip 68333

B. Proposed Septic Tank/s

Septic Tank Cap 2,000 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 60 (min/inch = mpi) No. of Bedrooms 5 Soil Type Burchard Cl/Slt Loam Land Slope 6-11 %

☒ Trench ☐ Bed ☐ Non-Standard (engineer designed and NDEQ approved Total Square feet of drainfield 1,760 sq ft.

Total length of laterals 440 Type of distribution: ☐ Perforated pipe ☐ Half-Round ☒ Chamber ☐ Other

No. of absorption trenches 4 Width 40" No of drop boxes 1 Distribution 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

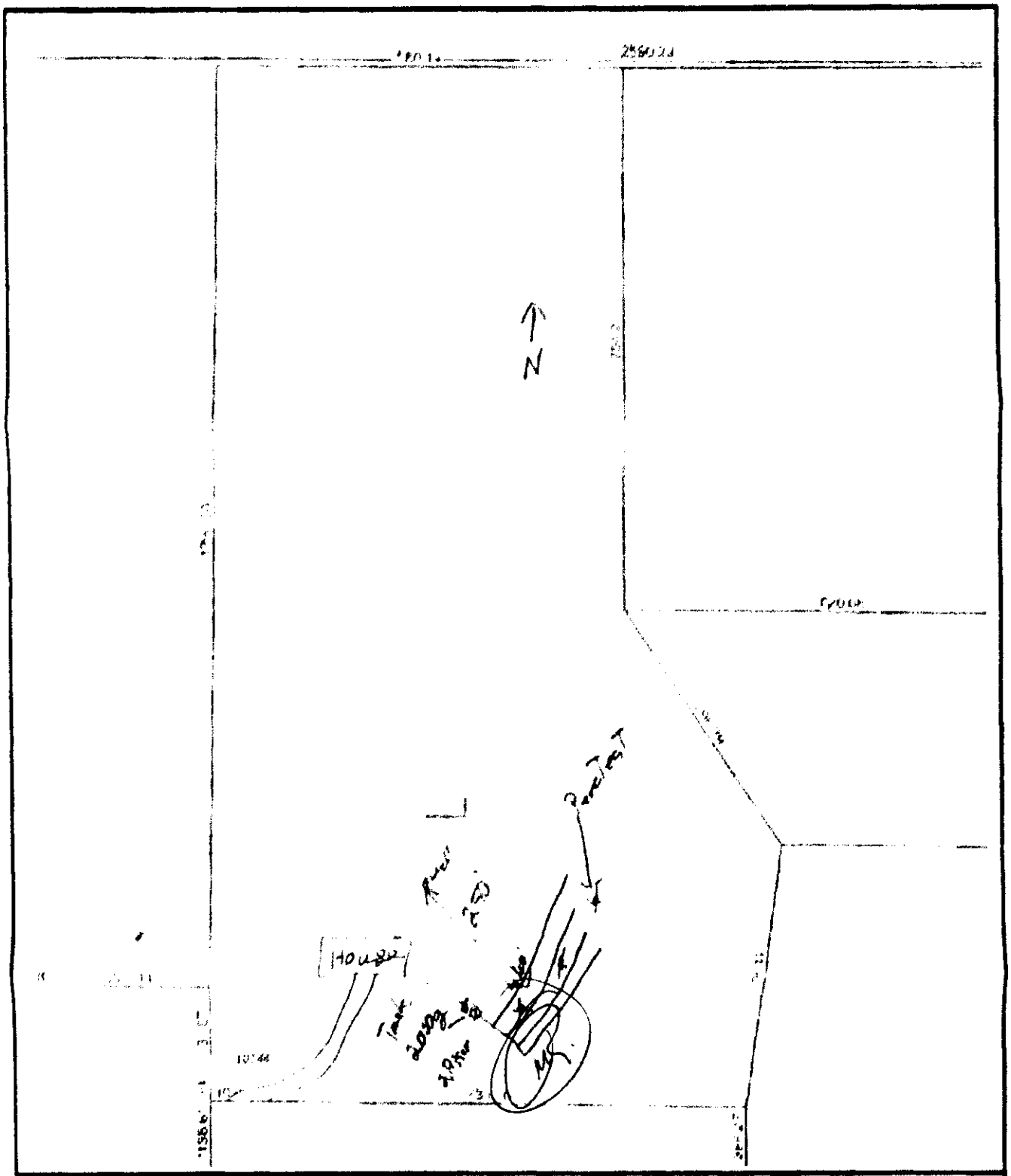
Distance From	Private Well	Public Well	Surface Water	Ground Water	Pressure Water Lines	Property Lines	Foundations Yours	Foundations Neighbors	All Other Setbacks
Tank (ft)	50 ☒	500 ☒	50 ☒	NA ☐	25 ☒	20 ☒	15 ☒	25 ☒	☒
Field (ft)	100 ☒	500 ☒	50 ☒	4 ☒	30 ☒	20 ☒	30 ☒	40 ☒	☒
Lagoon (ft)	100 ☐	500 ☐	50 ☐	N/A ☐	50 ☐	50 ☐	100 ☐	200 ☐	☐

F. Required Signatures

Home Building Contractor _____ Date 5/6/15

Installer _____ Date 5/14/15

Onsite Prelim P 15 fill



Lancaster County/City of Lincoln GIS Map

Mitch & Pam Gerdes 10544 W Wittstruck Rd

W E S

Printed May 06, 2015

DISCLAIMER: The data in maps is presented on a best-effort basis, and should not be relied upon for its utility, accuracy, legal or other uses in this area. If you have questions or concerns regarding the data displayed on this map, please see all ...@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. HS001066

System Type: Standard

Situs: No Site Address Specified

Issued: 5/14/2015

Expires: 5/14/2016

Description: S9, T8, R5, 6th Principal Meridian, LOT 10 SE

Owner: GERDES, MITCHELL J
6501 S 34 ST
LINCOLN, NE 68516

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

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

Exhibit 5

Permit Number: HS001066

Onsite Wastewater Treatment System

Inspection Sheet

Date 7/15/15 Legal Description ¼ ¼ 9/8/5 Lot 10
Section/Township/Range

Onsite System Location

Address (no rural route) 10544 W. Wildstruck City Crete

Owner _____ Address _____

Mark One: ☒ Dwelling ☐ Non-dwelling

☒ New System ☐ Alteration [☐ Tank Only ☐ Trench Only] ☐ Lateral Only

☐ Temporary modification (Describe problem causing discharge and reason for temporary modification): _____

Drainfield Absorption System:

☒ Lateral ☐ Bed ☐ Non-standard (engineer-designed and NDEQ approved) ☐ Holding Tank ☐ Trench

Total square feet of drainfield 1,750 Sq. Ft. Tank Size 2,000 gals

Total length of laterals _____ Type of Distribution: ☐ Chamber ☐ Perforated Pipe ☐ Other (describe) _____

No. of Absorption Laterals 4 Width 48" No. of Drop Boxes 1 Distribution Box 1 - plus splitter

Leveling Method Used Laser

Setbacks (Check the Boxes Below if the Required Setback has been Satisfied):

Distance From	Private Well	Public Well	Surface Water	Ground water	Pressure Water Lines	Property Lines
Tank (ft)	50 ☒	500 ☒	50 ☒	NA ☒	10 ☒	5 ☒
Field (ft)	100 ☒	500 ☒	50 ☒	4 ☒	2 ☒	☒

2 of 4 Tanks installed, 2 laterals started at time of Inspection.

Geographical Coordinates to 6 Decimals:

Tank N/A

Lateral #1 _____ Lateral #3 _____

Lateral #2 _____ Lateral #4 _____

Comments:

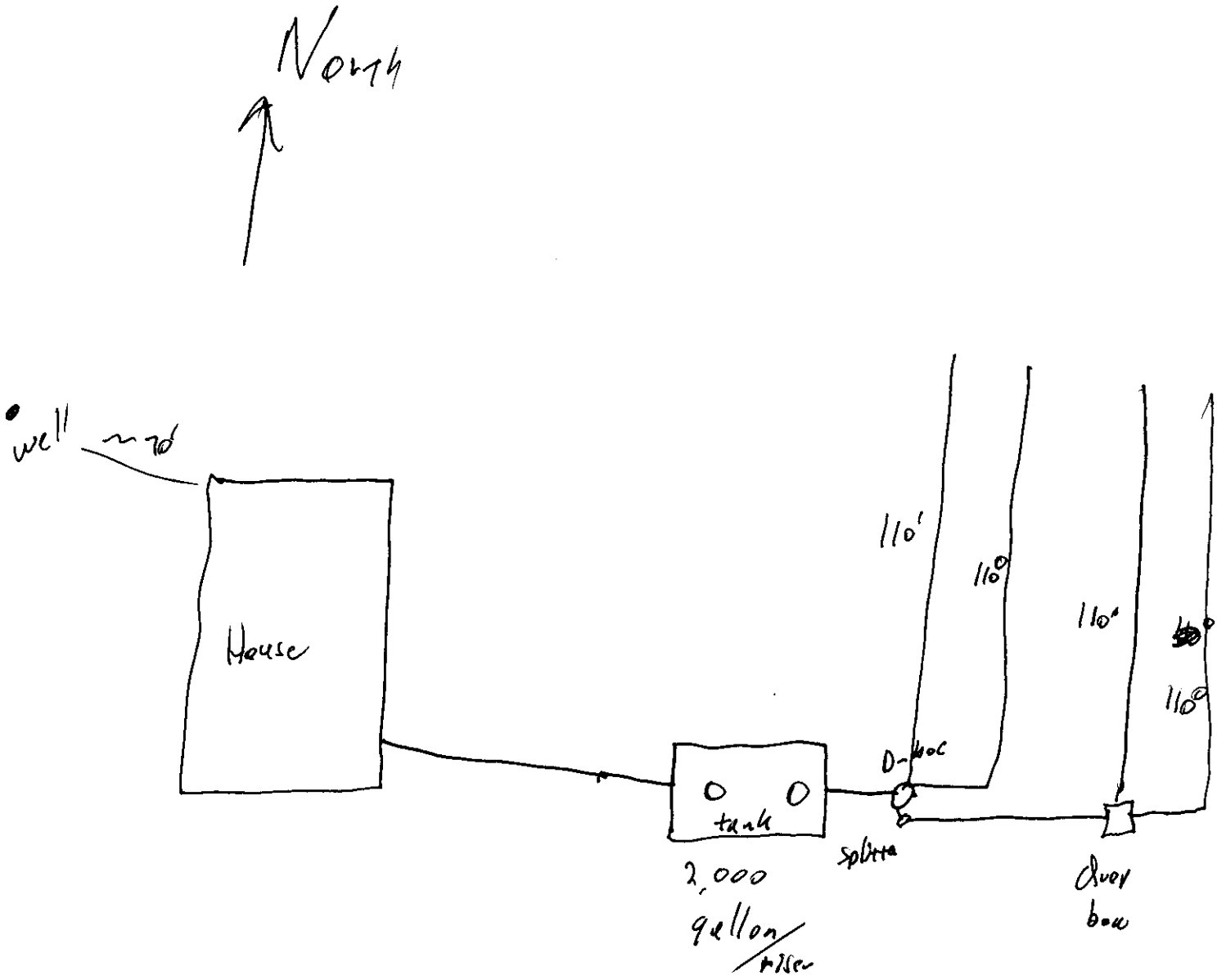
Inspections prior to Final Approval
Initial 7/15/15 Date DS

Follow-Up _____ Date _____

Follow-Up _____ Date _____

Installation Final Written Approval
By Doug Rund
Date 7/16/15

Field Note Drawing (See Reverse Side):


North
well
House
tank
2,000
gallon
riser
110'
110'
110'
110'
splitter
Over
bow

MAY SCANNED

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

A

Permit Number HS001066

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 10544 W Wittstruck Rd (no rural route) City Crete NE Zip 68333

Legal Description	1/4	1/4	Section	Township	Range	Subdivision	Addition	Block	Lot
	SE		9	8N	5E				10

PID 02-09-400-005-000

B. Owner

Name Mitch & Pam Gerdes Signature [signature]

Address 8501 S 34th St City/State/Zip Lincoln, NE 68516

Home Phone 402 475 7789 Work Phone 402 525 3429

C. Certified Installer

Name Lloyd Jakoubek, Raymond Contracting Inc Signature [signature] for Lloyd

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

Work Phone 402-880-6009

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 5 Whirlpool Bathtub? ☒ Yes ☐ No Total Acres 22.17

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 5/13/15
Date frwd 5/13/15
ACTION ☒ Approved ☐ Disapproved
Signature [signature]

2. Supt. Bldg. Insp. or Village Clerk
Comments
Date rec'd 5-13-15
Date frwd 5-13-15
ACTION ☒ Approved ☐ Disapproved
Signature [signature]

3. City or County Engineer
Comments
Date rec'd 5-13-15
Date frwd 5-13-15
ACTION ☒ Approved ☐ Disapproved
Signature Jim Ploenzke

Installation Final Written Approval
By [signature]
Date 7/16/15

Business Office Use Only
Date Received 5-11-15 Amount Paid $375.00
Received By SB Cash/Check No 8635

White Health Department Yellow Engineer Pink Building & Safety

Form A Updated 1/13

JUL 21 2015

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

D

Permit Number: HS0001016

Onsite Wastewater Treatment System

As Built Plans & Specifications

Date July 15, 2015 Legal Description SE 1/4 SE 1/4 9-8N-5E Section Township Range Lot 10

Onsite System Location

Address (no rural route) 10544 W. Wittstruck Rd City Crete, NE NE, Zip 68333

Owner Mitch & Pam Berdes Address 6561 S. 24th St, Lincoln, NE 68516

A. Sewer Pipe

1. Material: SDR26
   Diameter: 4 in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 16 in.
3. Distance between dwelling and septic tank: 66 ft.
4. Number of clean-outs: one
5. Distances to: well or suction line 100 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: 2000 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: 18-12 in.
8. Distances to: Well or suction line 100 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: 1-control valve PVC, 2 Boxes Plastic
   Number available outlets: 3 per Box, 2 per Valve
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: 6'+12' ft.

D. Drainfield Absorption

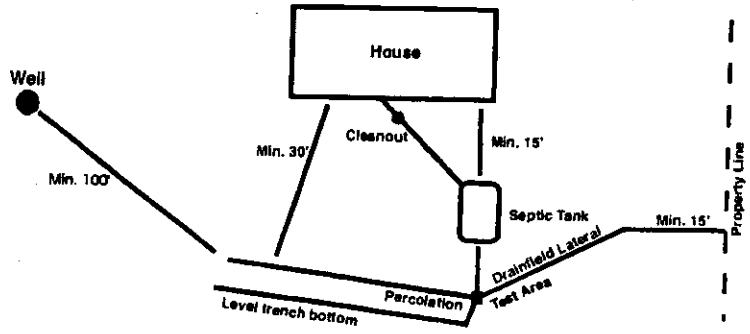
☑ Trench ☐ Bed ☐ Level Bottom

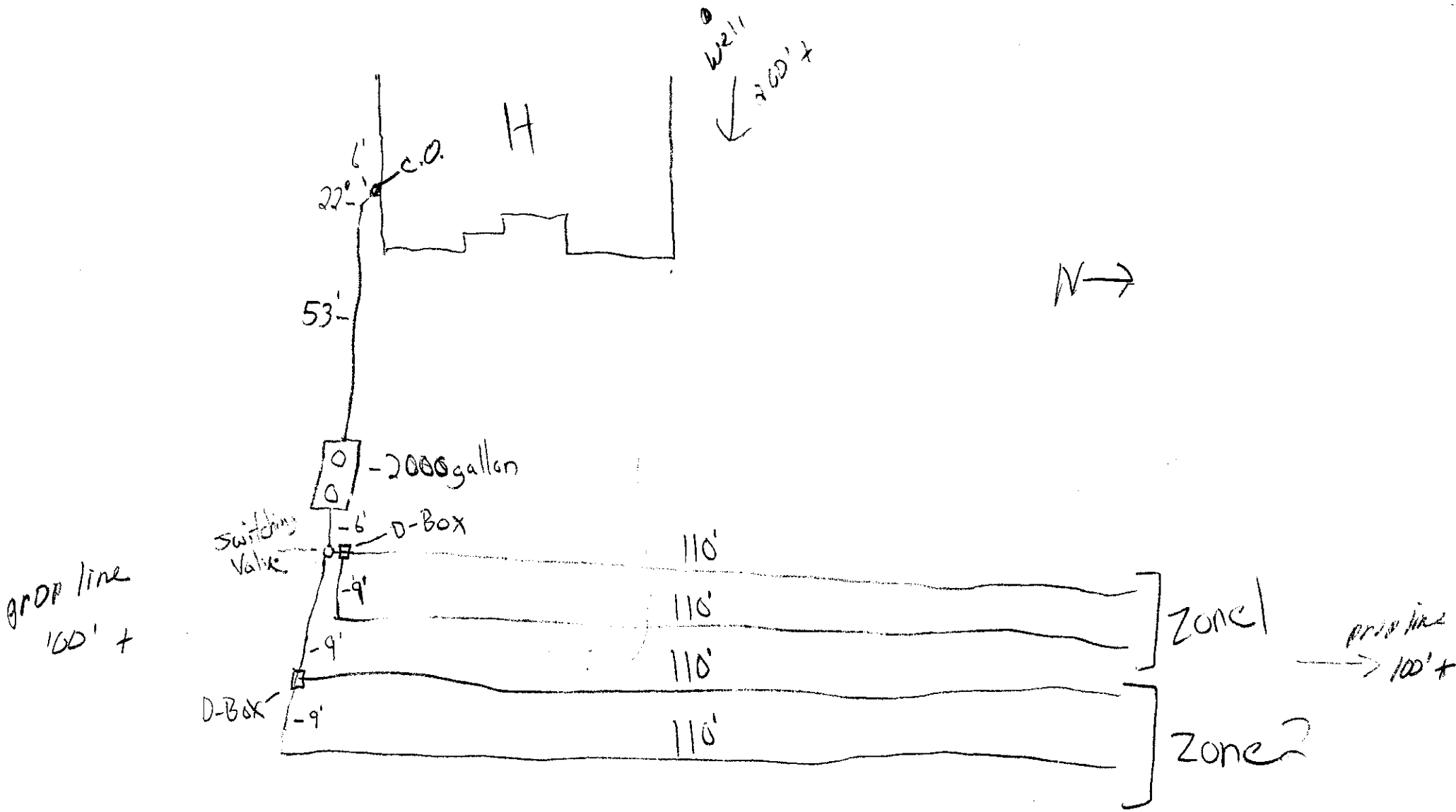
1. Type: ☐ Half rounds ☐ Perforated pipe ☐ Chambers
   Diameter or width: _____
   Number of distribution lines in bed _____
   Material: ☐ fiberglass ☑ plastic ☐ concrete
   ☐ other _____
2. Drainfield Laterals: Number 4/2-Zones
   Length of each line: 110 ft. 110 ft.
   110 ft. 110 ft., _____ ft.
3. Drainfield dimensions: Width 40 ft.
   Distribution Pipe Slope FLAT in/100 ft.
   Average depth 24-36 in
4. Filter material: Soil
   Depth of material 24-36 in.
5. Distances to: Well or suction line 100 ft.
   Pressure line 100 ft.
   Property line 100 ft.
   House or building 90 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





1/15/2015.

Raymond Contracting, Inc.
Lloyd J Jakoubek
13800 NW 70th St