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

OCT 02 2009

A SCANNED

Permit Number HS000291

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 12-20-100-011-000

A. Onsite System Location

Address 18970 NW 40th St (no rural route) City Raymond, NE Zip 68428

Legal Description NW 20 12 6 18
1/4 1/4 Section Township Range Subdivison Addition Block Lot

Geographical Location (if known): Longitude: Latitude:

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

B. Owner

Name Brad Luedke [redacted]

Address 12600 NW 56th St City/State/Zip Raymond, NE 68428

☐ Check if owner designed system Home Phone 402-783-2600 Work Phone 402-310-2957

C. Contractor

Name: Owner Company Name

Address City/State/Zip

☐ Check if contractor designed system Work Phone

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

Designer Name Lloyd Jurkowek Firm Raymond Contracting Inc Work Phone 402-890-6009

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 Well Permit Applied for ☐ Yes ☐ No ☐ Not Applicable

DO NOT WRITE BELOW THIS LINE

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

1. Health Department
Site visits
Date rec'd 10/12/09 Date frwd 10/12/09 ACTION ☒ Approved ☐ Disapproved Signature

2. Supt. Bldg. Insp. or Village Clerk
Comments
Date rec'd 10/7/09 Date frwd 10/7/09 ACTION ☒ Approved ☐ Disapproved Signature

3. City or County Engineer
Comments Verify system is out of flood plain
Date rec'd 10-7-09 Date frwd 10-7-09 ACTION ☒ Approved ☐ Disapproved Signature

Installation Final Written Approval
By
Date

$10.00
$315.00

Business Office Use Only
Date Received 10-12-09 Amount Paid ~~$30.00~~ pd in full
Received By Bittel Cash/Check No. ~~4178~~

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

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. HS000291

System Type: STANDARD

Situs: 18970 NW 40 ST

Legal Description: T12N-R06E-S20-Lot 18

Owner:

Permit Fee:	$325.00
Variance Fee:	$0.00
Extension Fee:	$0.00
Total Fees:	$325.00

Issued: 10/13/2009
Expires: 10/13/2010

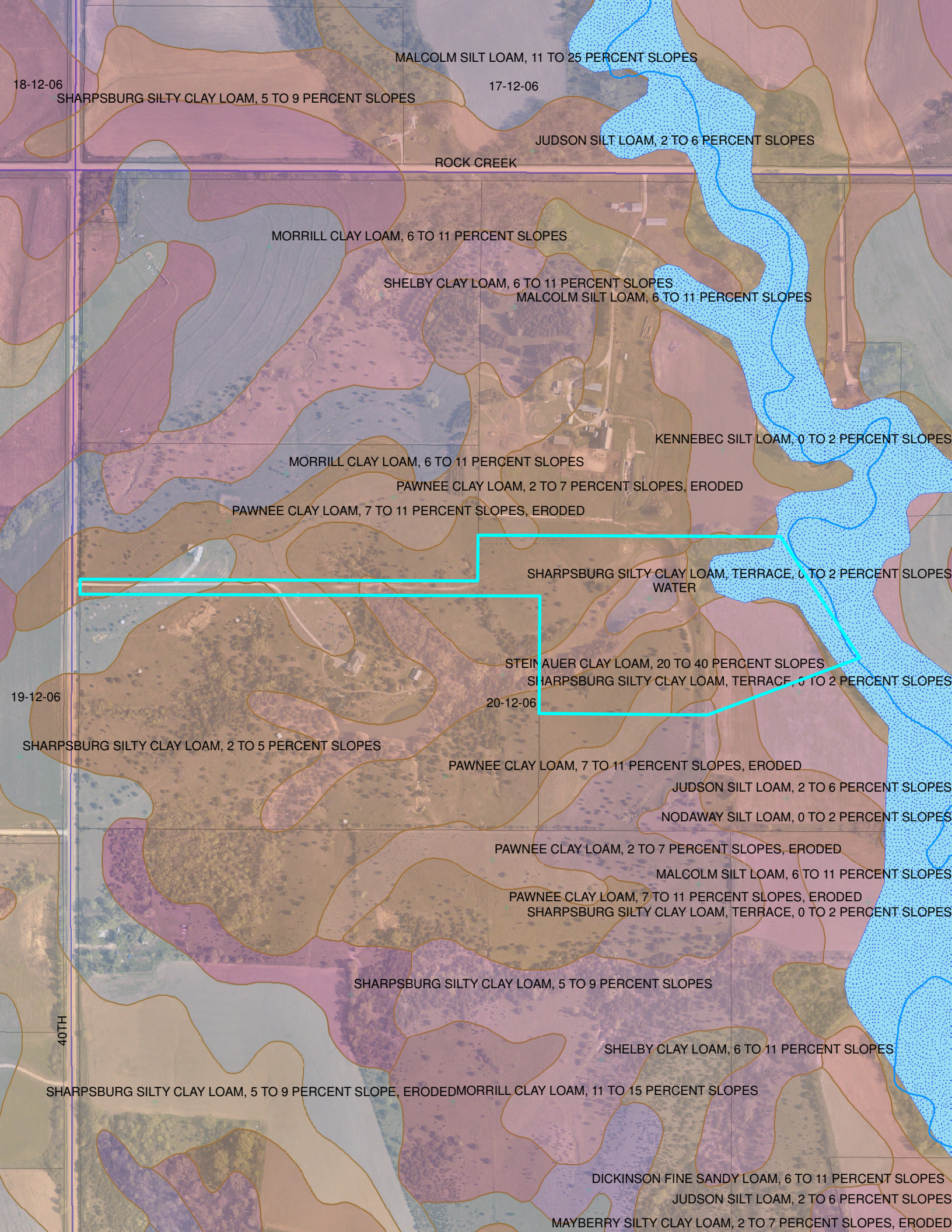
Bruce D. Dart, PhD, Health Director

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

RAYMOND CONTRACTING
13800 NW 70TH
RAYMOND NE 68428


MALCOLM SILT LOAM, 11 TO 25 PERCENT SLOPES
18-12-06
17-12-06
SHARPSBURG SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPES
JUDSON SILT LOAM, 2 TO 6 PERCENT SLOPES
ROCK CREEK
MORRILL CLAY LOAM, 6 TO 11 PERCENT SLOPES
SHELBY CLAY LOAM, 6 TO 11 PERCENT SLOPES
MALCOLM SILT LOAM, 6 TO 11 PERCENT SLOPES
KENNEBEC SILT LOAM, 0 TO 2 PERCENT SLOPES
MORRILL CLAY LOAM, 6 TO 11 PERCENT SLOPES
PAWNEE CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
PAWNEE CLAY LOAM, 7 TO 11 PERCENT SLOPES, ERODED
SHARPSBURG SILTY CLAY LOAM, TERRACE, 0 TO 2 PERCENT SLOPES
WATER
STEINAUER CLAY LOAM, 20 TO 40 PERCENT SLOPES
SHARPSBURG SILTY CLAY LOAM, TERRACE, 0 TO 2 PERCENT SLOPES
19-12-06
20-12-06
SHARPSBURG SILTY CLAY LOAM, 2 TO 5 PERCENT SLOPES
PAWNEE CLAY LOAM, 7 TO 11 PERCENT SLOPES, ERODED
JUDSON SILT LOAM, 2 TO 6 PERCENT SLOPES
NODAWAY SILT LOAM, 0 TO 2 PERCENT SLOPES
PAWNEE CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED
MALCOLM SILT LOAM, 6 TO 11 PERCENT SLOPES
PAWNEE CLAY LOAM, 7 TO 11 PERCENT SLOPES, ERODED
SHARPSBURG SILTY CLAY LOAM, TERRACE, 0 TO 2 PERCENT SLOPES
SHARPSBURG SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPES
40TH
SHELBY CLAY LOAM, 6 TO 11 PERCENT SLOPES
SHARPSBURG SILTY CLAY LOAM, 5 TO 9 PERCENT SLOPE, ERODED
MORRILL CLAY LOAM, 11 TO 15 PERCENT SLOPES
DICKINSON FINE SANDY LOAM, 6 TO 11 PERCENT SLOPES
JUDSON SILT LOAM, 2 TO 6 PERCENT SLOPES
MAYBERRY SILTY CLAY LOAM, 2 TO 7 PERCENT SLOPES, ERODED

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1. Health Department,
Site visits 10/14/09
Date rec'd 10/12/09
Date frwd 10/12/09
ACTION ☒ Approved ☐ Disapproved
Signature

2. Supt. Bldg. Insp. or Village Clerk
Comments
Date rec'd 10/7/09
Date frwd 10/7/09
ACTION ☒ Approved ☐ Disapproved
Signature

3. City or County Engineer
Comments Verify system is out of flood plain
Date rec'd 10-7-09
Date frwd 10-7-09
ACTION ☒ Approved ☐ Disapproved
Signature

Installation Final Written Approval
By Doug Anderson
Date 10/19/09

SCANNED

Business Office Use Only
Date Received 10-12-09 Amount Paid $10.00 + $315.00 = $325.00
Received By Bittel Cash/Check No. 4178

pd in full

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

Form A Updated: 5-07

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

B

Permit Number: H5000291

Brad Luedke
783-2600

Sewage Disposal System
Soil Absorption Test Data Report
Annex to Application

SCANNED

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 13970 NW 40th St (no rural route) City Raymond NE, Zip 68428

Owner Brad Luedke Addresss 12600 NW 56th St Raymond, NE 68428

Soil Type (SCS): Steinauer Percolation Rate: 60 min./inch

Date of Tests 11/4/08 to 11/5/08 Weather: Precipitation 0 Temperature 70°

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	38	11/4	9:00a	11/4	1:00p	11/5	12:00p	6	11/5	12:30p	30	1/2	60
2	24	"	"	"	"	"	"	"	"	"	"	9/16	54
3	22	"	"	"	"	"	"	"	"	"	"	9/16	54
4	25	"	"	"	"	"	"	"	"	"	"	1/2	60
5	31	"	"	"	"	"	"	"	"	"	"	15/16	15
6	26	"	"	"	"	"	"	"	"	"	"	11/16	43

Person Conducting Percolation Tests

Name: Terri Jakoubek, Raymond Contracting, Inc.
Phone: 402-783-2663 or 402-890-3870
Address 13800 NW 70th St
Raymond, NE 68428 #C1198

Sum of Percolation Rates: 286
Average of Rates: 48
Rate Used for Calculation: 60 -20mpi variance

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks

Signature of Reviewing Official Date

DRM 23-101 10-96

SCANNED

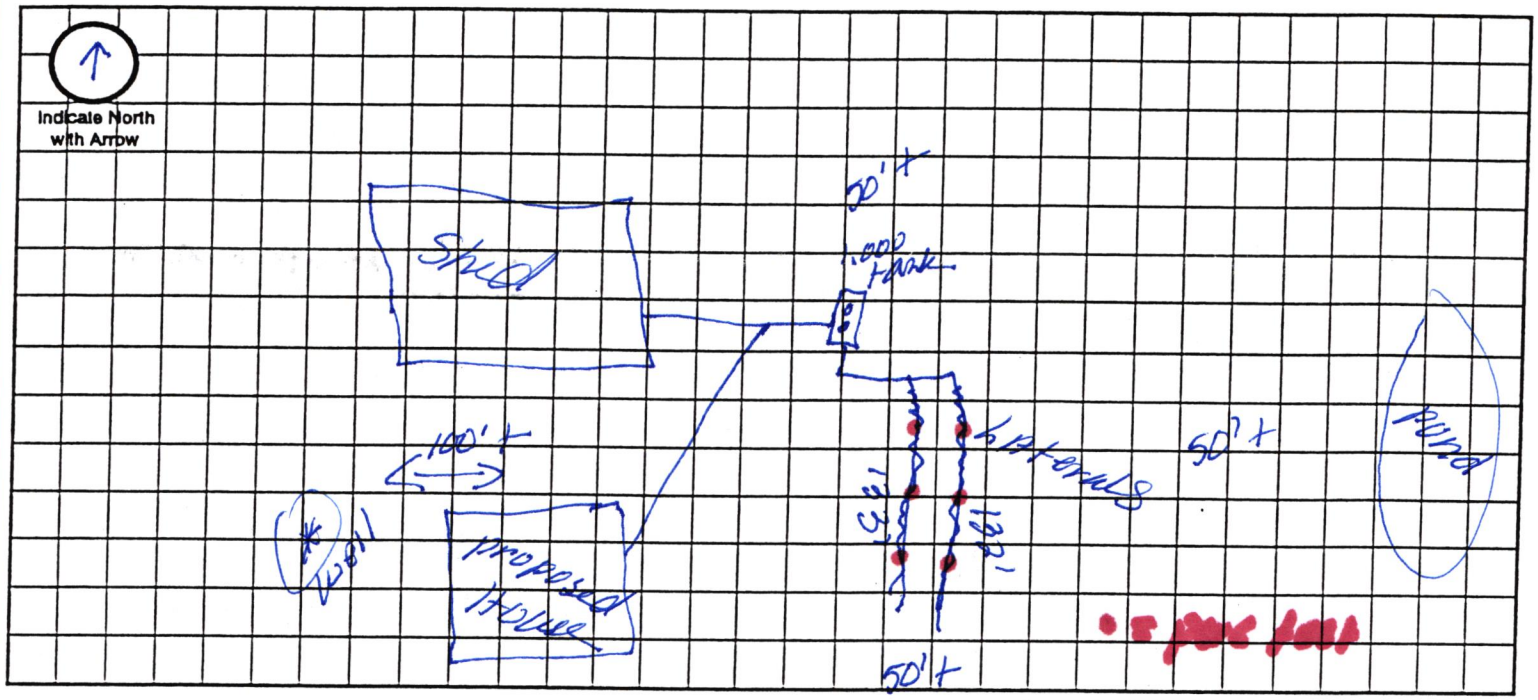
C

Lincoln-Lancaster County Health Department
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Phone: 402-441-8022

Permit Number: HS000291

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) 18970 NW 40th St City Raymond NE, Zip 68428

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: _____ Land Slope: _____ %

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: RDS Graveless Chambers

Capacity of Septic Tank 1,000 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals 265 ft. Number of Trenches 2 Trench Width 4'

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 Brad Juedes by Ronnie Johnson Date 10-1-09

Installer Ronnie L. Johnson Date 10-1-09

FORM 23-102 10-96

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

OCT 21 2009

D

Permit Number: HS000291

Onsite Wastewater Treatment System

As Built Plans & Specifications

Date 10-19-09 Legal Description 14 1/2 (1/4 1/4) 20-12-6 (Section Township Range) Lot 18

Onsite System Location

Address (no rural route) 18970 NW 40th St City Raymond NE, Zip 68428

Owner Brad Luedke Address 12600 NW 56th St Raymond. NE 68428

A. Sewer Pipe

1. Material: SDR 26
   Diameter: 4 in.
2. ~~Distance above basement floor:~~ _____ in.
   or distance below ~~basement~~ floor: 18" in.
3. Distance between dwelling and septic tank: 162 ft.
4. Number of clean-outs: 2
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: 1000 gal.
3. Factory built: ☑ Yes ☐ No
4. Manholes: Over inlet, diameter 24 in.
   Over outlet, diameter 24 in.
   Riser: ☐ above ☐ below grade At Grade 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 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: Plastic
   Number available outlets: 2 End cap 3 per cap
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: 7' ft.

D. Drainfield Absorption

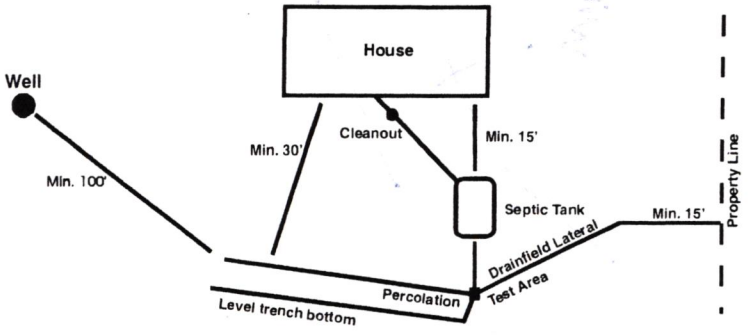
☑ Trench ☐ Bed ☐ Level Bottom

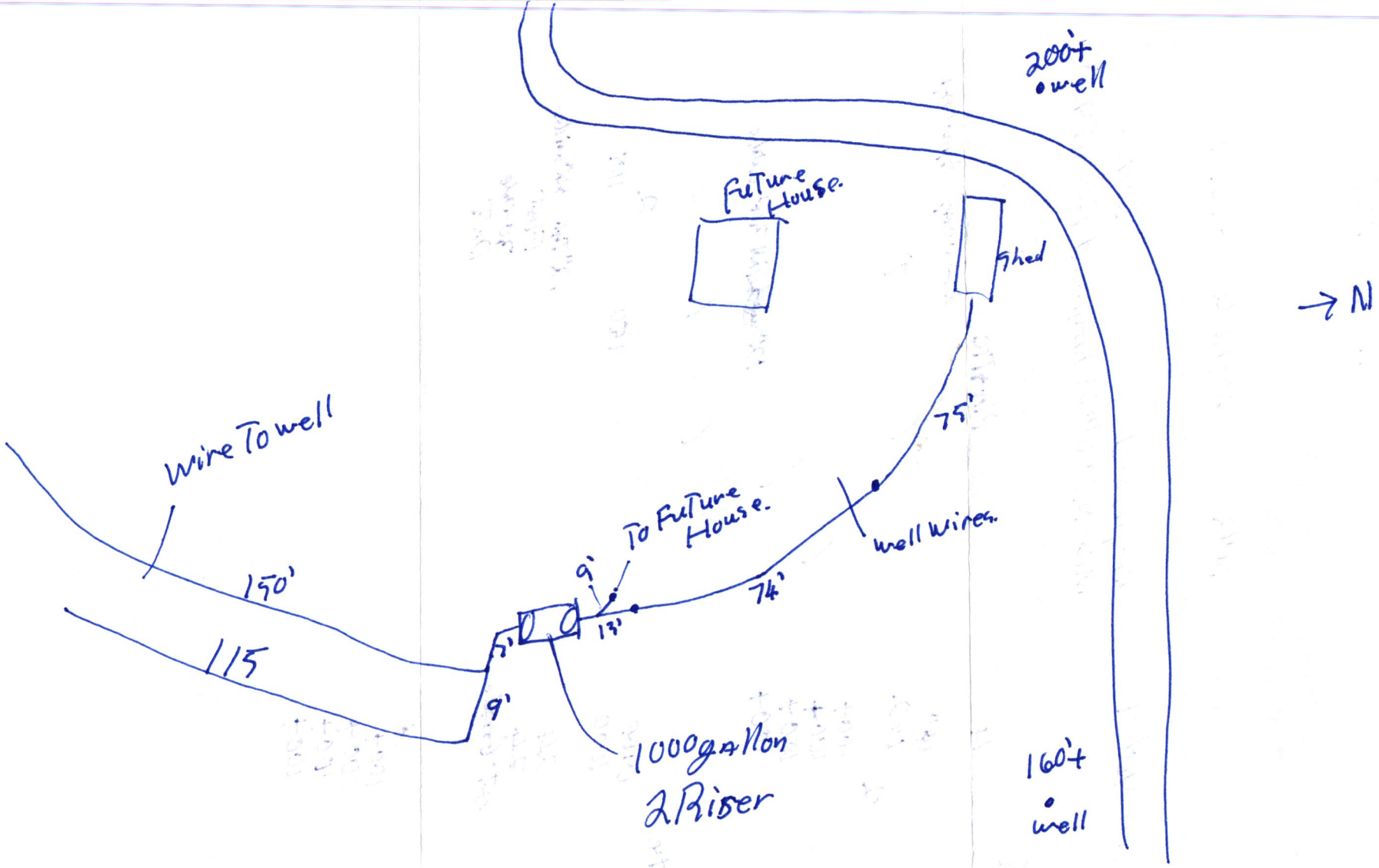
1. Type: ☑ Half rounds ☐ Perforated pipe ☐ Chambers
   Diameter or width: 12" Tall 34" wide
   Number of distribution lines in bed _____
   Material: ☑ fiberglass ☐ plastic ☐ concrete
   ☐ other _____
2. Drainfield Laterals: Number 2
   Length of each line: 150 ft. 145 ft.
   _____ ft. _____ ft., _____ ft.
3. Drainfield dimensions: Width 12" Tall 34" wide. ft.
   Distribution Pipe Slope Flat in/100 ft.
   Average depth 30-36 in
4. Filter material: Dirt
   Depth of material _____ in.
5. Distances to: Well or suction line _____ ft.
   Pressure line _____ ft.
   Property line _____ ft.
   House or building _____ ft.
   Lake or Stream _____ ft.

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

Onsite Wastewater System Design (Example)

Indicate North with Arrow





Lloyd J Jaboukh
783-2663.
10/19/09