SEP 25 2014

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

A

Permit Number
HS000974

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 5590 Davey Rd (no rural route) City Davey NE Zip 68336

Legal Description SE 20 12N 7E 11926

1/4 | 1/4 | Section | Township | Range | Subdivison | Addition | Block | Lot

PID 19-20-400-001-000

B. Owner

Name Clifford Wallstrom Estate Signature FR

Address 12330 Biggs Rd City/State/Zip Overland Park, KS 66209

Home Phone 816-678 5602 Work Phone 913 647 5981

C. Certified Installer

Name: Lloyd Jabourek, Raymond Contracting Inc Signature Ron L. Jabourek for Lloyd

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

Work Phone 402-780-6609

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 Garbage Grinder? ☐ Yes ☒ No Total Acres 10.11

☐ 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 9-25-14 Amount Paid $375.00
Received By SB Cash/Check No. 8481

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

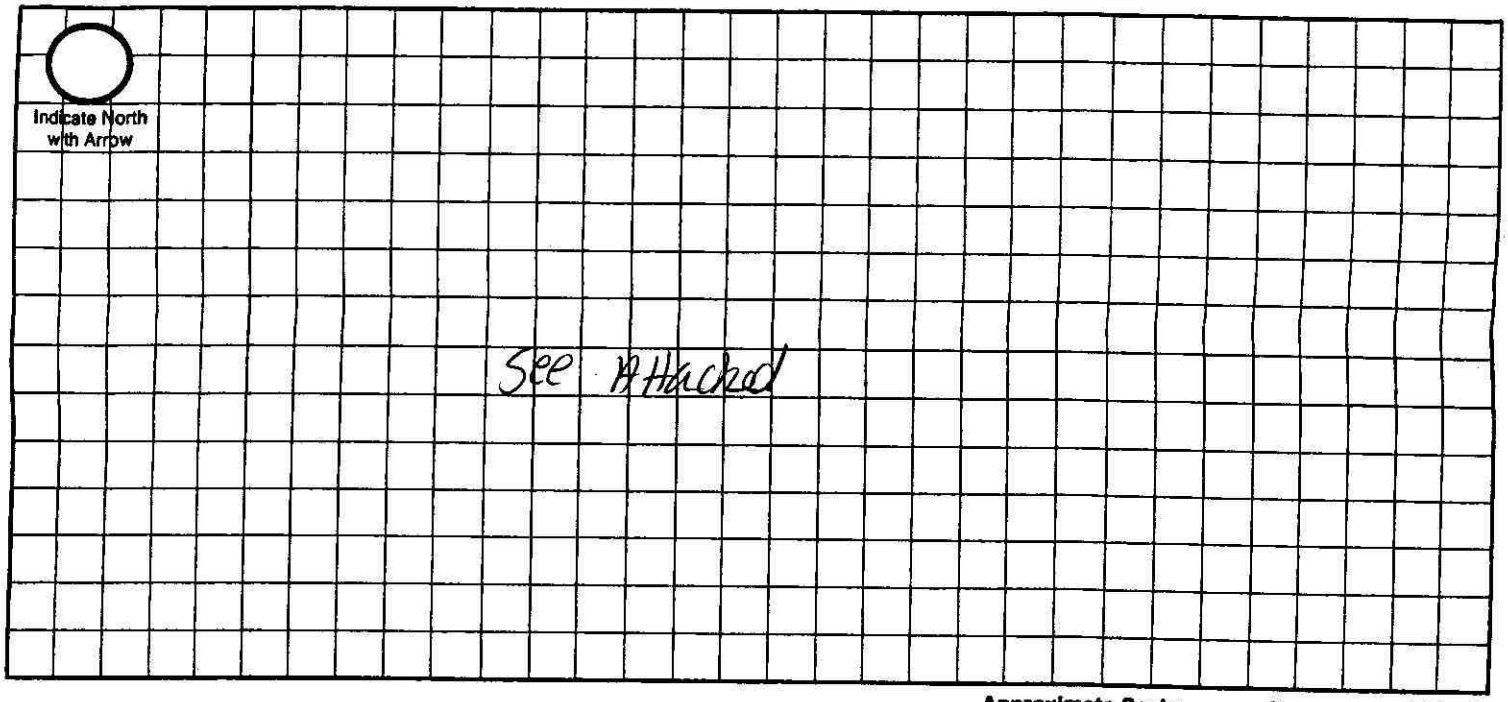
C

Permit Number: HS000974

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) 5590 Davey Rd City Davey NE, Zip 68336

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_____

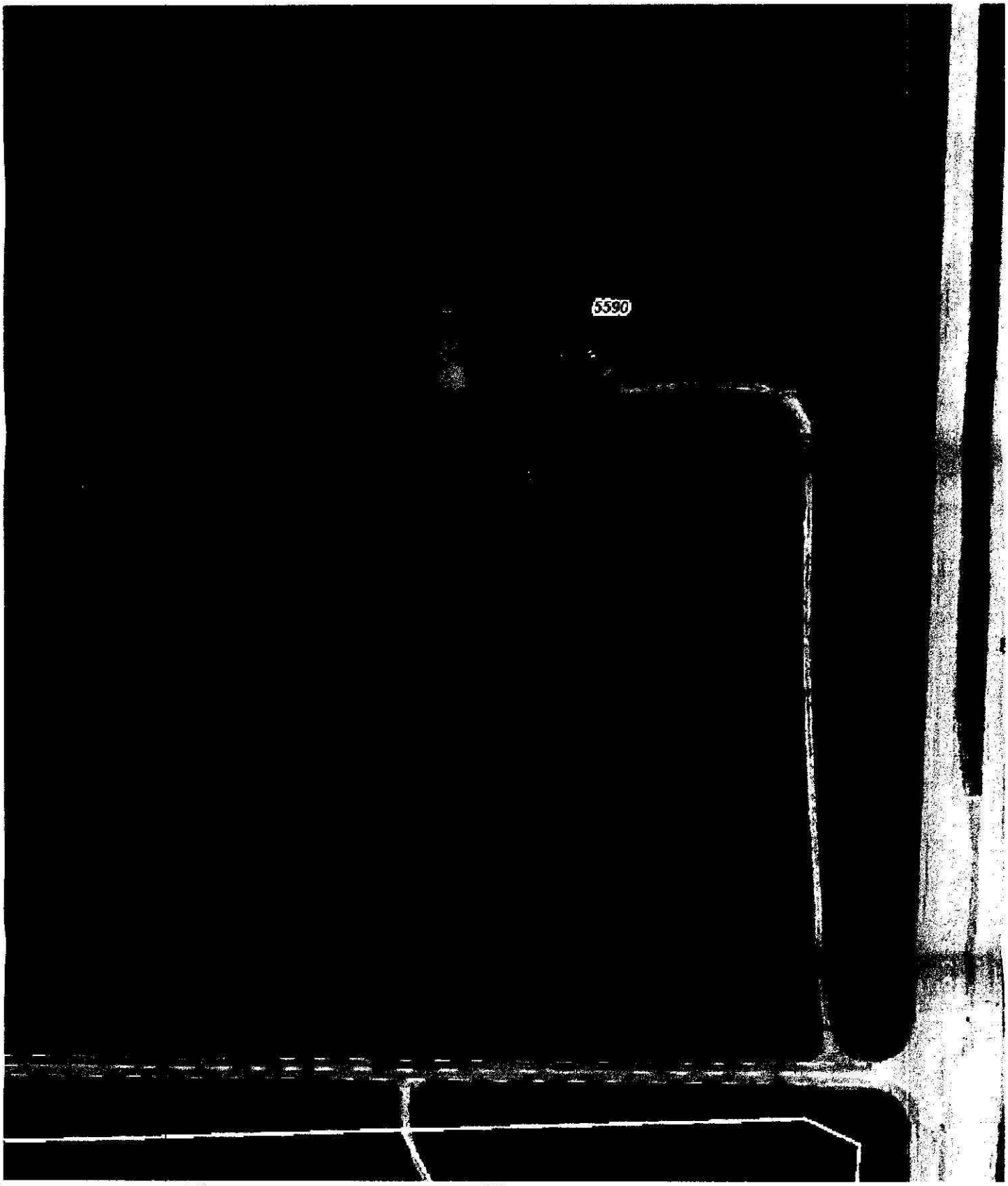
E. Setbacks Check the Boxes Below if the Required Setback has been Satisfied

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 Existing Date _____

Installer _____ Date 9/22/14



Lancaster County/City of Lincoln GIS Map

5590 Davey Rd - Clifford Walstrom Property

N
W E
S

Printed: Sep 23, 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. HS000974

System Type: Lagoon

Situs: 5590 DAVEY RD, RURAL, NE

Issued: 9/30/2014

Expires: 9/30/2015

Description: S20, T12, R7, 6th Principal Meridian, LOTS 14 & 26 SE

Owner: WALSTROM, CLIFFORD
12330 RIGGS RD
OVERLAND PARK, KS 66209

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

SEP 25 2014

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

A

Permit Number
HS000974

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 5590 Davey Rd (no rural route) City Davey NE Zip 68336

Legal Description SE 20 12N 7E 1492

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

PID 19-20-400-001-000

B. Owner

Name Clifford Wellstrom Estate Signature FR

Address 12330 Biggs Rd City/State/Zip Overland Park, KS 66209

Home Phone 816-678-3602 Work Phone 913 647 5981

C. Certified Installer

Name: Lloyd Jabcuback, Raymond Contracting Inc Signature for Lloyd

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

Work Phone 402-783-6209

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 Garbage Grinder? ☐ Yes ☒ No Total Acres 10.11

☐ 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 10/15/14 Date rec'd Date frwd
ACTION ☐ Approved ☐ Disapproved Signature
Comments

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 Doug Rumel
Date 10/15/14

Business Office Use Only
Date Received 9-25-14 Amount Paid $375.00
Received By SB Cash/Check No. 8481

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

12-7-20

OCT 20 2014

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

D

Permit Number: HS0009974

Onsite Wastewater Treatment System

As Built Plans & Specifications

Date 10/15/14 Legal Description 1/4 SE 1/4 20-12N-7E Section Township Range

Onsite System Location

Address (no rural route) 5590 Dewey rd City Denton, NE NE, Zip 68017

Owner Diane Merrell Address same

A. Sewer Pipe

1. Material: SDR 26
   Diameter: 4 in.
2. Distance above basement floor: 48" in.
   or distance below basement floor: _____ in.
3. Distance between dwelling and septic tank: 87' 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: 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: 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: Switch Box (PVC) Endcap 12"PVC
   Number available outlets: 2 per emp
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: 15'+10' ft.

D. Drainfield Absorption

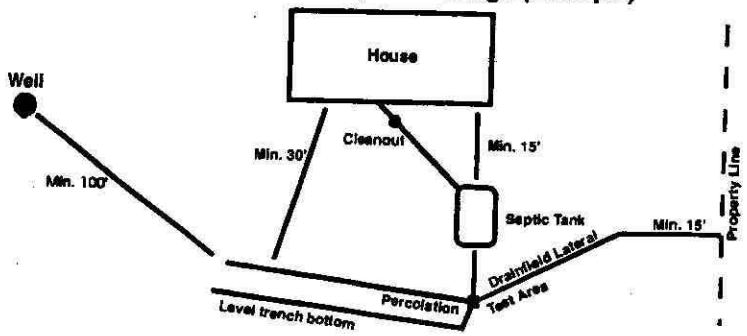
☑ Trench ☐ Bed ☐ Level Bottom

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 2
   Length of each line: 135 ft. 130 ft.
   _____ ft. _____ ft., _____ ft.
3. Drainfield dimensions: Width 40 ft.
   Distribution Pipe Slope Flat in/100 ft.
   Average depth 24"-32" in
4. Filter material: Soil
   Depth of material 24-32 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.

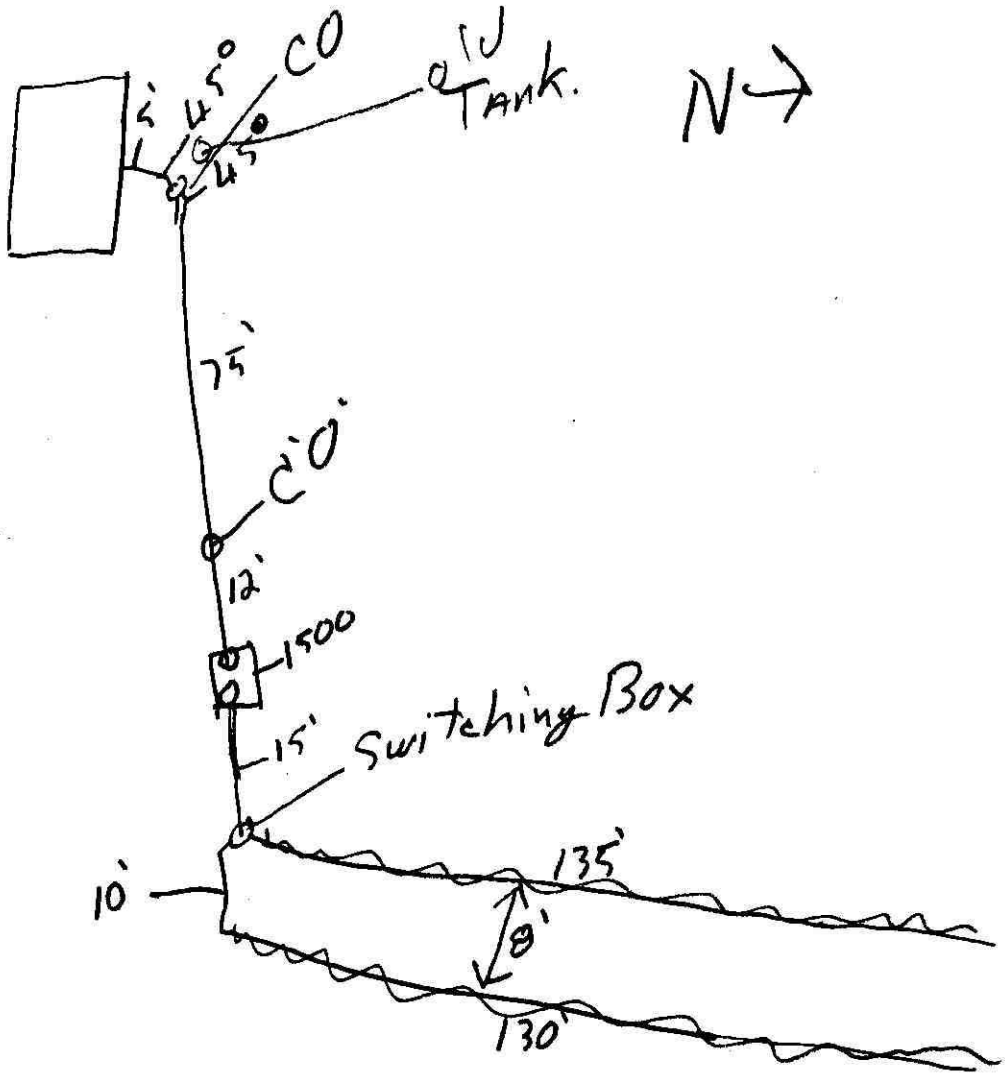
Complete As-Built drawing on the back fo this form.

Onsite Wastewater System Design (Example)

Indicate North with Arrow



owell
2004



10/15/2014

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

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

Existing Home

PLEASE PRINT OR TYPE

Onsite System Location

Address 5590 Davey Rd (no rural route) City Cusco NE, Zip 68065

Owner Diane Merrell Address Same

Date of Tests 10/8/14 to 10/9/14 Weather: Precipitation 0 Temperature 56°

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	10/8	9:30a	10/8	1:30	10/9	11:30a	6	12:10p	12:20p	30	1	30	used for test
A 2	22	"	"	"	"	"	"	6	"	"	"	1 1/8	27	
3	25	"	"	"	"	"	"	6	"	"	"	9/16	53	
								6						
4	23	"	"	"	"	"	"	6	"	"	"	1/16	480	failed
B 5	25	"	"	"	"	"	"	6	"	"	"	0	—	
6	20	"	"	"	"	"	"	6	"	"	"	1/16	480	
								6						

Person Conducting Percolation Test

Name: Terri L. Jakoubek, Raymond Contracting Inc.

Phone: 402-783-2663 or 402-560-3870

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

Soil type (NRCS Maps/Other) A - Aksarben SCL B - Nodaway SL

Groundwater Depth A - >9' B = 7.5'

Sum of Percolation Rates: 110

Average of Rates: 37

Rate Used for Calculation: 53 (20 mpi variance)

DO NOT WRITE BELOW THIS LINE

Reviewing Action

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

Signature of Reviewing Official _____ Date _____



Lancaster County/City of Lincoln GIS Map

Diane Merrell - 5590 Davey Rd, Ceresco, NE 68017

N
W E
S

Printed: Oct 12, 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
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

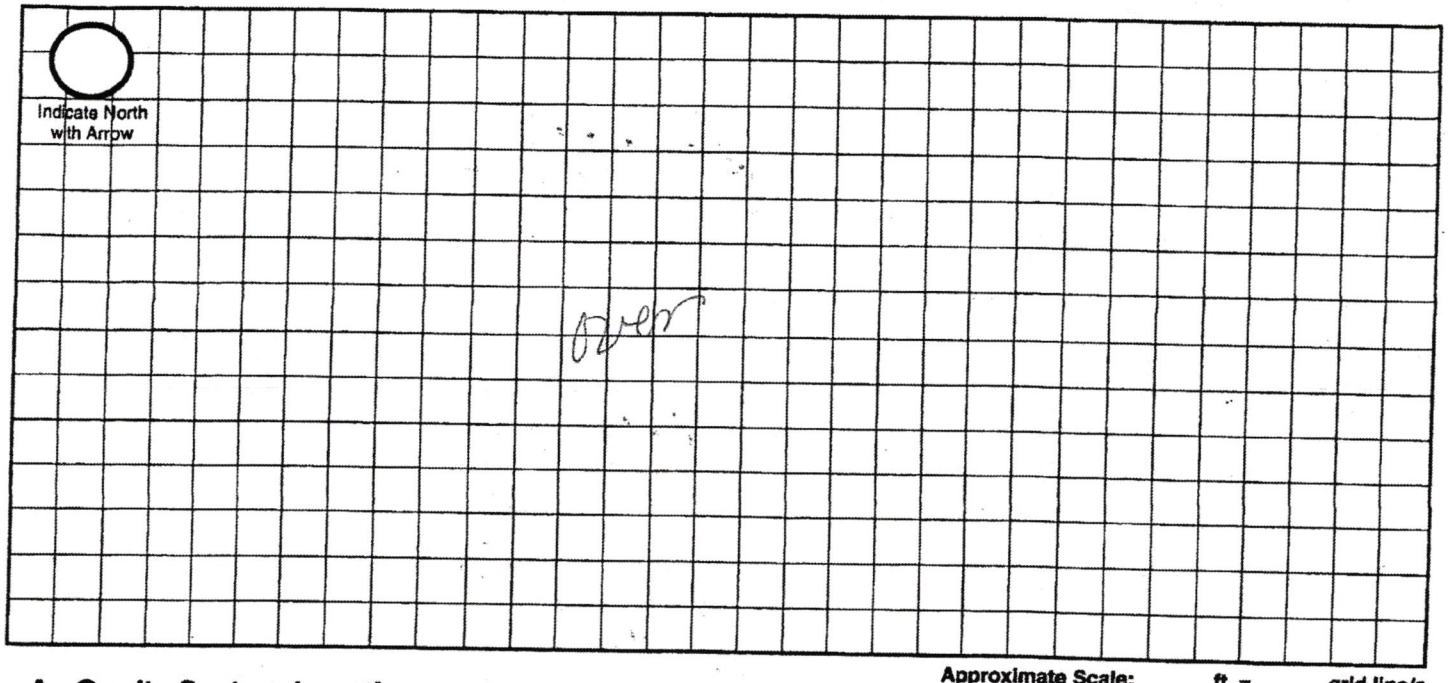
C

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) 5590 Davey rd City Cresco NE, Zip 68017

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 (percolation test required) ☒ Lagoon

D. Drainfield Absorption System

Percolation Rate 53 (min/inch = mpi) No. of Bedrooms 3 Soil Type SCL Land Slope_____%

☒ Trench ☐ Bed ☐ Non-Standard (engineer designed and NDEQ approved Total Square feet of drainfield 1,060 sq.ft.

Total length of laterals 265 Type of distribution: ☐ Perforated pipe ☐ Half-Round ☒ Chamber ☐ Other

No. of absorption trenches 4 Width 40 No. of drop boxes 4 end caps 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 Existing Date_____

Installer Kevin L. Gabhauer Date 10/12/14

LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT
LAGOON/SEPTIC INSPECTION REPORT

Permit No. #5000974 Certified Installer: Jakoubek

Address: 5590 Davey

Circle compliance status for each item. **IN = in compliance OUT = not in compliance NA = not applicable NO = not observed**

LAGOON SETBACKS

COMMENTS

				Item	MIN. SETBACK DISTANCE – FT. (METERS)	
IN	OUT	NA	NO	Surface Wtr. Distance from Wtr. Mark	50 ft. (15.2 m)	
IN	OUT	NA	NO	Private Drinking Water Wells	100 ft. (30.5 m)	
IN	OUT	NA	NO	Public Drinking Water Supply Wells:		
IN	OUT	NA	NO	Non-Community	100 ft. (30.5 m)	
IN	OUT	NA	NO	Community	Evaluated by a professional engineer for potential impact on the well and submitted to the Dept. for approval l if less than 1000 ft. (304.8 m)	
IN	OUT	NA	NO	All Other Water Wells	100 ft. (152.4 m)	
IN	OUT	NA	NO	Water Lines:		
IN	OUT	NA	NO	Pressure Main	25 ft. (7.6 m)	
IN	OUT	NA	NO	Pressure-Service Connection	25 ft. (7.6 m)	
IN	OUT	NA	NO	Suction Line	100 ft. (30.5 m)	
IN	OUT	NA	NO	Property Lines	50 ft. (15.2 m)	
IN	OUT	NA	NO	Trees and Brush	50 ft. (15.2 m)	
IN	OUT	NA	NO	Foundations: (see definition above)		
IN	OUT	NA	NO	Except Neighbor's Foundation:		
IN	OUT	NA	NO	Class 1	100 ft. (30.5 m)	
IN	OUT	NA	NO	Class 2	100 ft. (30.5 m)	
IN	OUT	NA	NO	Class 3	50 ft. (15.2 m)	
IN	OUT	NA	NO	Neighbor's Foundation:		
IN	OUT	NA	NO	Class 1	200 ft. (61.0 m)	**Lagoon Dimensions:**
IN	OUT	NA	NO	Class 2	200 ft. (61.0 m)	
IN	OUT	NA	NO	Class 3	100 ft. (30.5 m)	

TANK AND SOIL ABSORPTION SYSTEM SETBACKS

COMMENTS

OK

				Item	MIN. SETBACK DISTANCE – FT. (METERS) Tanks	Absorption, Infiltrative & Evaporative Systems	
IN	OUT	NA	NO	Surface Water	50 ft. (15.2 m)	50 ft. (15.2 m)	
IN	OUT	NA	NO	Private Drinking Water Wells	50 ft. (15.2 m)	100 ft. (30.5 m)	
IN	OUT	NA	NO	Public Drinking Water Supply Wells:			
IN	OUT	NA	NO	Non-Community System	50 ft. (15.2 m)	100 ft. (30.5 m)	
IN	OUT	NA	NO	Community System	500 ft. (152.4 m)	500 ft. (152. 4 m)	
IN	OUT	NA	NO	Community System when a septic system or soil absorption system of > 1000 gpd is proposed	500 ft. (152.4 m)	Evaluated by professional engineer for potential impact on the well and submitted to the Depart. for approval if less than 1000 ft.	
IN	OUT	NA	NO	All Other Water Wells	50 ft. (15.2 m)	100 ft. (30.5 m)	
IN	OUT	NA	NO	Water Lines:			
IN	OUT	NA	NO	Pressure-Main	10 ft. (3.1 m)	25 ft. (7.6 m)	
IN	OUT	NA	NO	Pressure-Service – Connection	10 ft. (3.1 m)	25 ft. (7.6 m)	
IN	OUT	NA	NO	Suction Lines	50 ft. (15.2 m)	100 ft. (30.5 m)	
IN	OUT	NA	NO	Property Lines	5 ft. (1.5 m)	5 ft. (1.5 m)	
IN	OUT	NA	NO	Parking area, driveway, sidewalk or other impermeable surface or cover	5 ft. (1.5 m)	5 ft. (1.5 m)	
IN	OUT	NA	NO	Foundations: (see definitions above)			
IN	OUT	NA	NO	Except Neighbor's Foundation:			
IN	OUT	NA	NO	Class 1	15 ft. (4.6 m)	30 ft. (9.1 m)	
IN	OUT	NA	NO	Class 2	10 ft. (3.1 m)	20 ft. (6.1 m)	**Septic Tank Size:** 1,000
IN	OUT	NA	NO	Class 3	7 ft. (2.1 m)	10 ft. (3.1 m)	"
IN	OUT	NA	NO	Neighbor's Foundation:			
IN	OUT	NA	NO	Class 1	25 ft. (7.6 m)	40 ft. (12.2 m)	**Lateral Sq. Footage:** See drawing "
IN	OUT	NA	NO	Class 2	20 ft. (6.1 m)	30 ft. (9.1 m)	
IN	OUT	NA	NO	Class 3	15 ft. (4.6 m)	20 ft. (6.1 m)	

Inspected By: Doug Rowe **Date:** 10/15/14

SCANNED



Lancaster County/City of Lincoln GIS Map

5590 Davey Rd - Clifford Walstrom Property

N
W E
S

Printed: Sep 23, 2014

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