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

A JUL 15 2019

Permit Number HSOC18558

# Onsite Wastewater Treatment System Permit Application

**Include Form B and C. Submit correct fee with this Application**

☐ Septic System ☐ Lagoon ☐ Other (Refer to Form C)

## PLEASE PRINT OR TYPE

### A. Onsite System Location

Address* 10810 Saltillo Rd City Lincoln, NE Zip 68526
(no rural route)

Legal Description S36 T9 R7 Deboer 1
1/4 1/4 Section Township Range Subdivison Addition Block Lot

PID 16-36-401-001-000 *Approx. Address (If to be determined)

### B. Owner

Name Richard Clark Signature

Address 10612 Saltillo Rd City/State/Zip Lincoln, NE 68430

Home Phone Work Phone

### C. Certified Installer

Name: Marcus Hochstein Signature

Address PO Box 142 City/State/Zip Eagle, NE 68347

Work Phone 402-730-7749

### 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 Whirlpool Bathtub? ☐ Yes ☐ No Total Acres 20.10
Garbage Grinder? ☐ Yes ☐ No

☑ Commercial Establishment/Other Facility Specify Design flow in gallons per day 394

Type of Wastewater ☑ Domestic ☐ Non-Domestic

***DO NOT WRITE BELOW THIS LINE***

**Approval Process**

**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 7-15-19 Amount Paid $420.00
Received By JAK Cash/Check No. 2446

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

Lincoln-Lancaster County Health Department (LLCHD)
Environmental Public Health Division
3131 "O" Street • Lincoln, NE 68510-1514
Phone: 402-441-8643

**B**

Permit Number:

# Onsite Wastewater Treatment System
## Soil Evaluation Report

PLEASE PRINT OR TYPE

### Onsite System Location

Address 10810 Saltillo Rd (no rural route) City Lincoln NE, Zip 68526

Owner Richard Clark Address 10612 Saltillo Rd

Date of Tests 7-8-19 to 7-9-19 Weather: Precipitation 0 Temperature 90°F

### 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 | 42 | 7-10 | 5:00 | 7-11 | 9:00 | 7-11 | 12:30 | 6 | 7-11 | 1:00 | 30m | 1/2 | 60 |
| 2 | " | 7-10 | " | 7-11 | " | " | " | 6 | " | " | " | 5/8 | 48 |
| 3 | " | 7-10 | " | 7-11 | " | " | " | 6 | " | " | " | 1/2 | 60 |
| 4 | " | 7-10 | " | 7-11 | " | " | " | 6 | " | " | " | 5/8 | 48 |
| | | | | | | | | 6 | | | | | |
| | | | | | | | | 6 | | | | | |
| | | | | | | | | 6 | | | | | |
| | | | | | | | | 6 | | | | | |

### Person Conducting Percolation Test

Name: Marcus Hodson
Phone: 402-730-7749
Address PO Box 142
Eagle, NE 68347

Sum of Percolation Rates: 216
Average of Rates: 54
Rate Used for Calculation: 54

Soil type (NRCS Maps/Other) Wymore silt Clay Loam

Groundwater Depth

**DO NOT WRITE BELOW THIS LINE**

### Reviewing Action

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

Signature of Reviewing Official Date

# CONDUCTING A PERCOLATION TEST

## READ THOROUGHLY

DIAGRAM OF PERCOLATION TEST PROCEDURE

**Natural Ground Level**

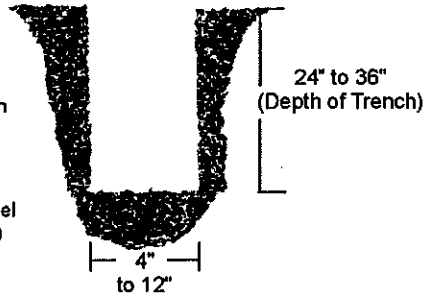
I. Number, Size and Location of Test Holes

A. Dig six or more holes spaced evenly over proposed drainfield.

B. Scratch smeared areas on the bottom 12" of hole.

C. Remove loose material from hole.

D. Add 2" layer of clean gravel in hole. Gravel (1/4"-3/4") may be placed in a nylon mesh bag so it can be used again.



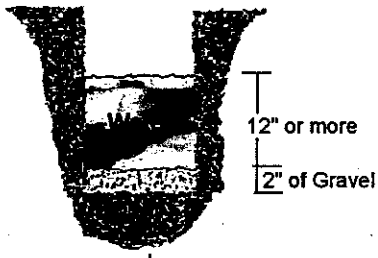

II. Saturation/Swelling of Soil

A. Fill hole with at least 12" of clear water.

B. **MAINTAIN THIS WATER LEVEL FOR 4 HOURS.**

C. Record on Form B, Columns A to F

D. **Must wait 24 hours before beginning Step III.**




24 Hours Later

III. Water Level Drop Measurement (Refer to instructions 4a, b or c)

A. Adjust water level to 6".

B. Measure from fixed reference point (nail) to water, or use a percometer.

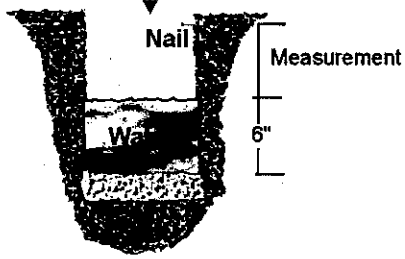
C. Record measurement and time on scratch paper.

D. 30 min. later re-measure and record time.

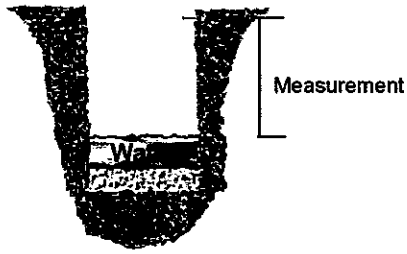
E. After each measurement, refill to 6" above gravel.

F. Continue for 4 hours taking readings evey 30 min. (Refer to 4b for exception)

G. Last 30 min. reading is used in filing out Form B. Record in Column G through M.




½ hour later
(30 minutes)




IV. The Department will calculate Percolation Rates.

# Instructions

1. Percolation test holes. Percolation tests should be made in 6 or more separate holes spaced uniformly over proposed drainfield. Dig or bore holes 4 to 12" in diameter to the depth of the bottom of drainfield trench. (If sides of hole collapse, a slotted PVC plastic pipe and gravel pack may be needed to support the sides of the hole.) Do not dig holes in soil that is above the plastic limit or where frost is within 12" from the bottom of hole.
2. Preparation of test hole. Scratch any smeared areas on the bottom 12" of hole with nails driven into a 1x2" board to provide a natural soil interface for water to percolate. Remove all loose soil from bottom of hole. Add 2" of clean gravel to protect the bottom from scouring when water is put into hole.
3. Saturation and swelling of the soil. Fill holes with clear water to a depth fo 12" or more above gravel and maintain this water level at least 4 hours (add water as necessary). Do not remove water from holes. Holes should be covered with boards during the 20 hrs. wait before the test begins. Soils with slow permeability or containing greater than 30% clay will require several days saturation for thorough swelling in a dry season. The accuracy of the percolation test depends on thorough saturation and swelling of soil. Sandy soil containing no clay does not swell. The percolation test may proceed immediately if the 12" of water seeps away in 10 min. or less after filling holes twice. Proceed to Step 4c.
4. Measure percolation rate. Measurements must be made 24 hrs after starting saturation/swelling procedure described above. Record results on the front of this form and the Department will complete the calculations.

   a. If water remains in hole after the saturation/ swelling period, adjust depth to 6" above gravel. From a fixed point, measure the drop in water level over a 30 min. period to nearest 1/8". This drop is used to calculate percolation rate.

   b. If no water remains in hole after the saturation/ swelling period, add 6" of clear water above gravel. From a fixed point, measure the drop in water level to nearest 1/8" at 30 min. intervals for 4 hrs. Refill to the 6" level above gravel after each measurement. The drop that occurs during the last 30 min. of the 4 hrs. is used to calculate the percolation rate (when 3 consecutive percolation rates vary by no more than 10%, the test can stop before the end of 4 hr. period).

   c. In sandy soils, or other soils in which t he first 6" of water seeps away in less than 30 min., allow 10 min. between measurements and run the test for 1 hr. The drop that occurs during the last 10 min. of 1 hour is used to calculate the percolation rate. If 6" of water seeps away in less than 10 min., use a stopwatch.
5. Record test results on the front of this form. The average of the percolation rates calculated for all holes in 30 (10) min. will usually be the rate used to size the drainfield. Exceptions are the use of the slowest percolation rate when rates vary more than 20 mpi between holes or when other soil evaluation indicates a problem.

LLCHD reserves the right to witness or perform percolation tests and to required additional soil or groundwater information.

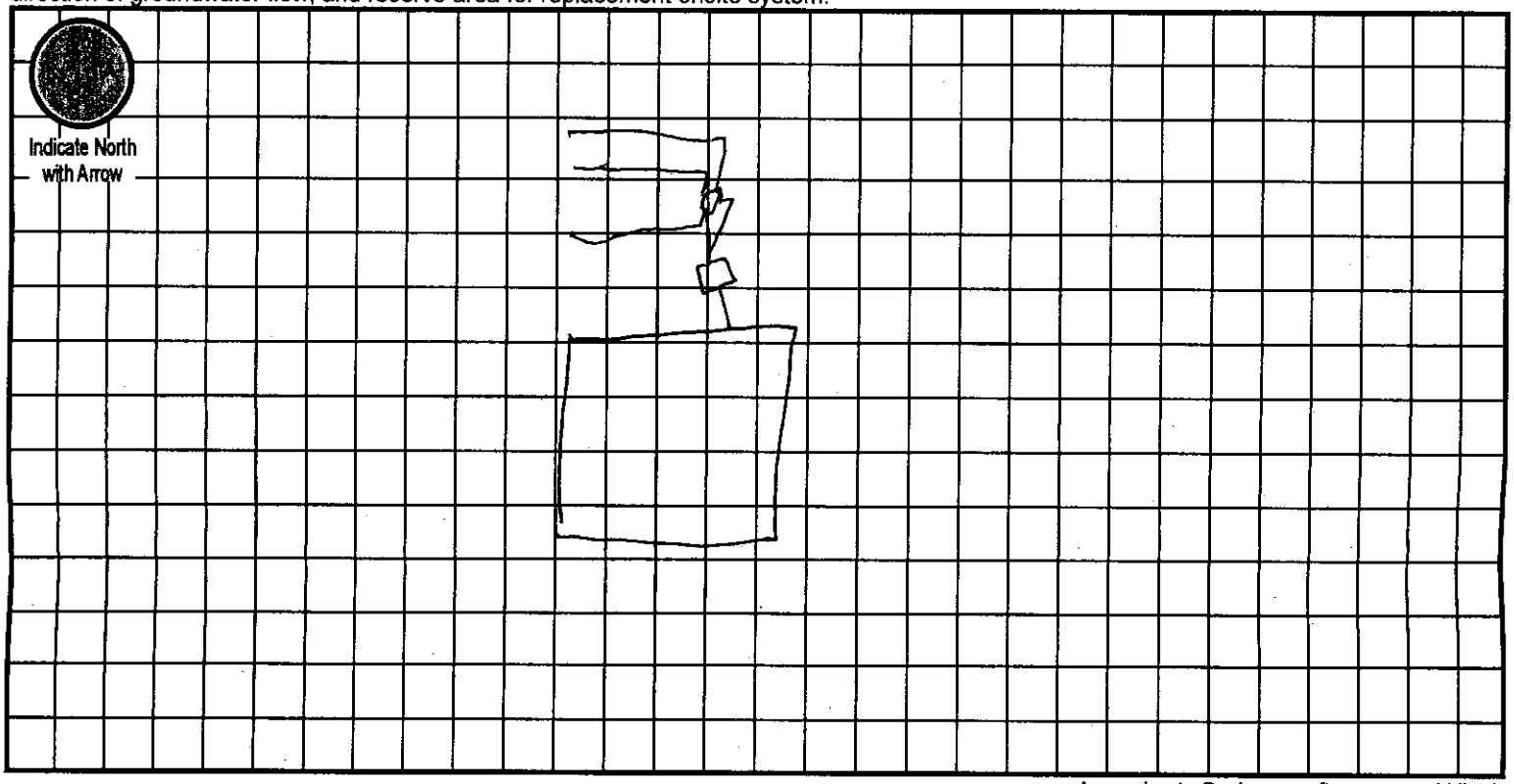
**Lincoln-Lancaster County Health Department**
Environmental Public Health Division
3131 O Street • Lincoln NE 68510-1514
Phone: 402-441-8643

**C**

Permit Number

# Onsite Wastewater Treatment System
# Preliminary Plan Specification

Draw a plot plan showing onsite system sewer lines, tank, drop or distribution boxes, drainfields, percolation test holes, well, residence, direction of groundwater flow, and reserve area for replacement onsite system.




Approximate Scale: ____ ft. = ____ grid line/s

## A. Onsite System Location

Address (no rural route) 10810 Saltillo Rd City Lincoln NE, Zip 68526

## B. Proposed Septic Tank/s

Septic Tank Cap. 1000 gals Tank Material: ☑ Concrete ☐ Plastic ☐ Other _____ ☐ Lagoon (Max. Seepage 1/8"/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 Wymore Silty Clay Loam Land Slope 0-1 %

☑ Trench ☐ Bed ☐ Non-standard (engineer-designed and NDEQ approved) Total square feet of drainfield 630 Sq. Ft.

Total length of laterals 140 Type of Distribution: ☐ Perforated Pipe ☐ Half-Round ☐ Chambers ☑ Other EZ Flow

No. of Absorption Trenches 3 Width 36 No. of Drop Boxes _____ Distribution Box 1

No. of Absorption Beds _____ Width _____ No. of Distribution Lines per Bed _____

Installer Marcus Hoekstra Date: 7-10-19

Updated 2/18

**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. HS001858**

**System Type:** Standard

**Situs:** 10810 SALTILLO RD, LINCOLN, NE 68526

Issued: 7/15/2019

Expires: 7/15/2020

**Description:** DEBOER ADDITION, Lot 1

**Owner:** CLARK, RICHARD & RUCOBA, LAURA A
10612 SALTILLO RD
ROCA, NE 68430

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
Interim Health Director

MARCUS HOCHSTEIN
PO BOX 142
EAGLE, NE 68347

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

A JUL 15 2019

Permit Number 1500 1858

# Onsite Wastewater Treatment System Permit Application

Include Form B and C. Submit correct fee with this Application

☐ Septic System ☐ Lagoon ☐ Other (Refer to Form C)

## PLEASE PRINT OR TYPE

### A. Onsite System Location

Address* 10810 Saltillo Rd City Lincoln, NE Zip 68526
(no rural route)

Legal Description SW S3h T9 R7 Deboer 1
1/4 1/4 Section Township Range Subdivison Addition Block Lot

PID 16-36-401-001-000 *Approx. Address (If to be determined)

### B. Owner

Name Richard Clark Signature

Address 10612 Saltillo Rd City/State/Zip Lincoln, NE 68430

Home Phone Work Phone

### C. Certified Installer

Name: Marcus Hochstein Signature

Address PO Box 142 City/State/Zip Eagle, NE 68347

Work Phone 402-730-7749

### 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 Whirlpool Bathtub? ☐ Yes ☐ No Total Acres 20.10
Garbage Grinder? ☐ Yes ☐ No

☑ Commercial Establishment/Other Facility Specify Design flow in gallons per day 394

Type of Wastewater ☑ Domestic ☐ Non-Domestic

***DO NOT WRITE BELOW THIS LINE***

**Approval Process**

**1. Health Department**
Site visits 8/1/19
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 8/6/19

***Business Office Use Only***
Date Received 7-15-19 Amount Paid $420.00
Received By Cash/Check No. 2446

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

Form A Updated: 4/15

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

Exhibit 5

Permit Number: HS001858

# Onsite Wastewater Treatment System

## Inspection Sheet

Date 8/6/19

Legal Description Deboer Addition
¼ ¼ Section/Township/Range

**Onsite System Location**

Address (no rural route) 10810 Saltillo Rd. City _____

Owner Lincoln Landscaping 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 630 Sq. Ft. Tank Size 1,000 gals

Total length of laterals 140' Type of Distribution: ☐ Chamber ☐ Perforated Pipe ☒ Other (describe) E-Z Flow

No. of Absorption Laterals 3 Width 4.5 Facem No. of Drop Boxes _____ Distribution Box _____

Leveling Method Used _____

**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 ☐ | 25 ☐ | 5 ☐ |

Geographical Coordinates to 6 Decimals:

Tank _____

Lateral #1 NA Lateral #3 _____

Lateral #2 _____ Lateral #4 _____

Comments:

Inspections prior to Final Approval
Initial DC Date 8/6/19

Follow-Up _____ Date _____

Follow-Up _____ Date _____

Installation Final Written Approval
By Doug Sun
Date 8/6/19

Field Note Drawing (See Reverse Side):

Updated 4/15

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

SCANNED

**A**

Permit Number
HS001001

# 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 10810 Saltillo Rd (no rural route) City _____, NE Zip _____

Legal Description SW SW 36 9N 7E Deweese 1
1/4 1/4 Section Township Range Subdivison Addition Block Lot

PID 1636401-001-000

## B. Owner

Name _____ Signature _____

Address _____ City/State/Zip _____

Home Phone _____ Work Phone _____

## C. Certified Installer

Name: _____ Signature _____

Address _____ City/State/Zip _____

Work Phone _____

## D. Engineer

☐ **Check and complete if engineer designed system** P.E. License Number: E-10521

Designer Name Jeremy Williams, PE Firm Design Associates of Lincoln Work Phone 474-3000

## E. This system will serve a

☐ Residential Dwelling Number of Bedrooms _____ Whirlpool Bathtub? ☐ Yes ☑ No Total Acres 20.1 ac M

Garbage Grinder? ☐ Yes ☑ No

☐ Commercial Establishment/Other Facility Specify garden center office/shop Design flow in gallons per day 165 (dom)

Type of Wastewater ☒ Domestic ☒ Non-Domestic holding tank lagoon

**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 11/19 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 1/26/15

**Business Office Use Only**
Date Received 11-19-14 Amount Paid $375.00
Received By SB Cash/Check No. 15618

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

Form A Updated: 1/13

Non-Domestic Wastewater:

Floor Drains from storage/shop area

1,000 gal holding tank

Domestic Wastewater:

Restrooms & Floor Drains in office area

- 5 employees/day @ 12 gal/employee/day
- 2 customers/day @ 2-5 gal/customer
- business operates 5 days/week
- average daily flow = $(5 \times 12) + (2 \times 2.5) = 65$ gal/day

Perc Rate = 60 min/in

$$A_{trench} = \frac{\text{design flow}}{5\sqrt{\text{perc}}} = \frac{65}{5\sqrt{60}} = 10.1 \text{ sf}$$

Infiltrator QuickA standard chambers

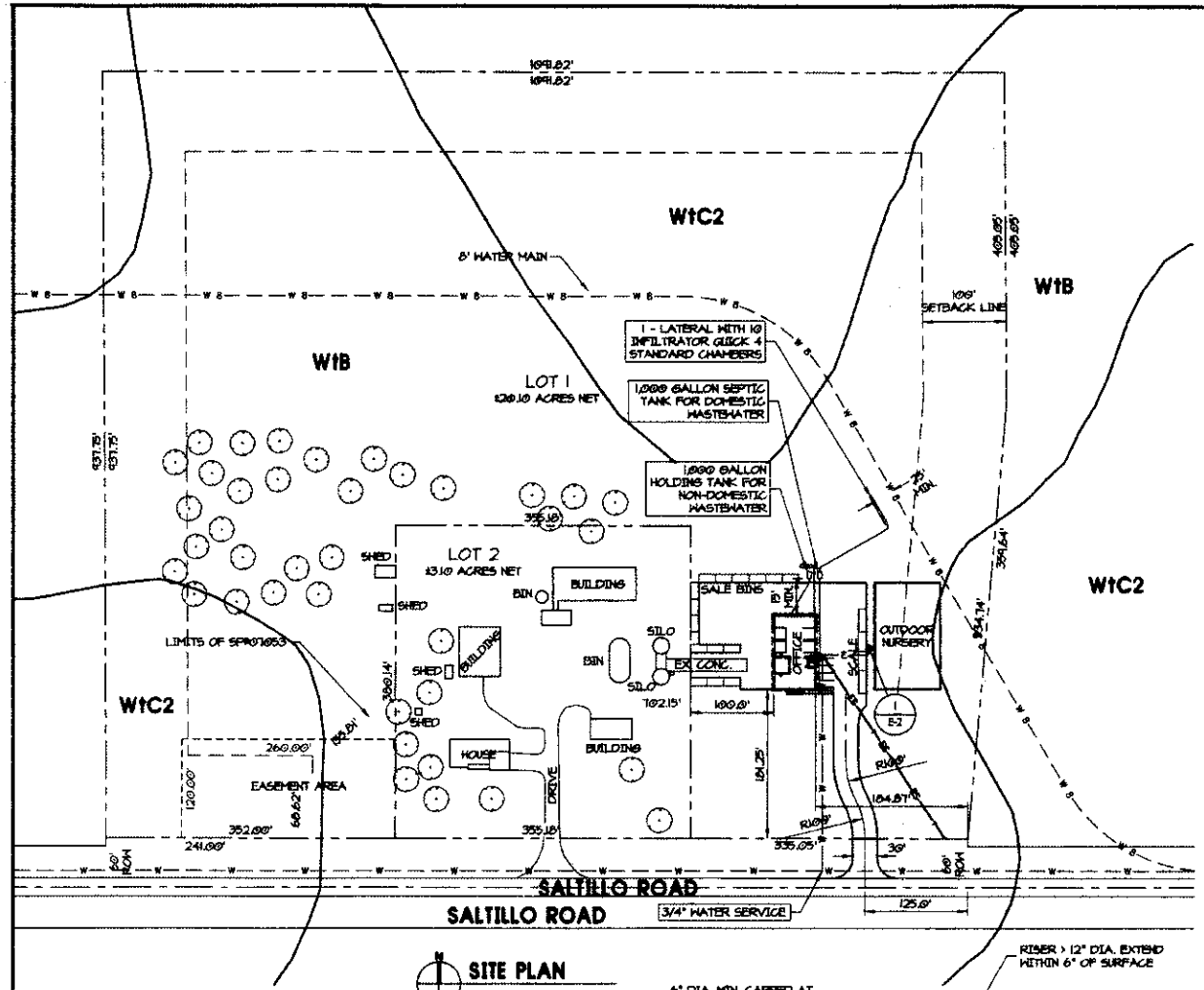
width = 34" effective length = 48"

$A = 11.33 \text{ ft}^2$

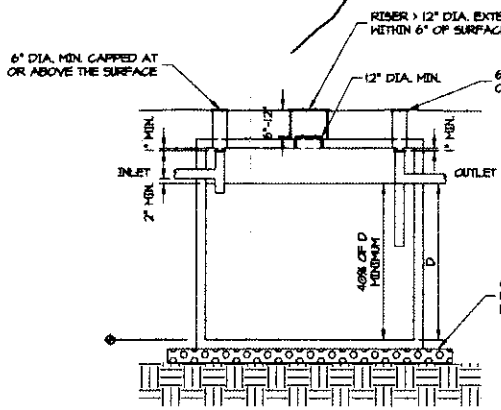
10 chambers @ $11.33 \text{ ft}^2 = 113.3 \text{ ft}^2$

PROFESSIONAL CIVIL ENGINEER
JEREMY J. WILLIAMS
E-10521
STATE OF NEBRASKA

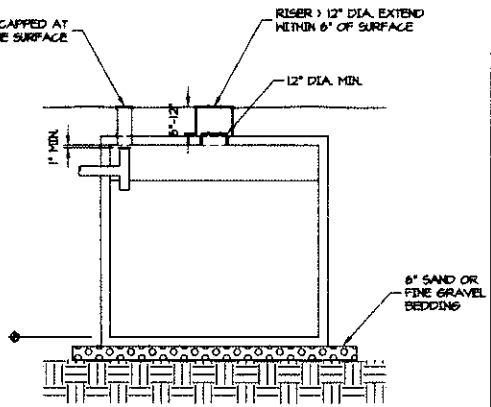
1/14



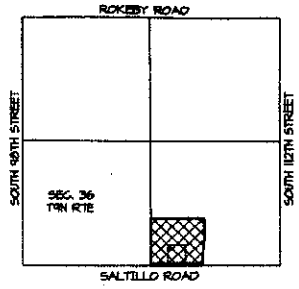

SITE PLAN
SCALE: 1" = 100'




SEPTIC TANK
SCALE: 1" = 3'




HOLDING TANK
SCALE: 1" = 3'




VICINITY MAP
NOT TO SCALE

## LEGAL DESCRIPTION

LOT 1, DEBOER ADDITION
SE 1/4 OF SEC. 36, T9N, R7E
LANCASTER COUNTY, NEBRASKA

Pollution Control Project
14 OWT 050
APPROVED
NDEQ
1-7-2015

RECEIVED
Nebraska Dept of Environmental Quality

## CONSTRUCTION NOTES:

1. ALL WORK SHALL CONFORM TO THE NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY, TITLE 124 - RULES AND REGULATIONS FOR THE DESIGN, OPERATIONS AND MAINTENANCE OF ON-SITE WASTEWATER TREATMENT SYSTEMS.

2. THE ON-SITE WASTEWATER TREATMENT SYSTEM SHALL BE INSTALLED BY A CERTIFIED ON-SITE WASTEWATER PROFESSIONAL.

3. ALL DISTRIBUTION LINES SHALL BE 4" PVC, SCHEDULE 40 AND SHALL HAVE A GRADE OF NOT LESS THAN 1/8" PER FOOT. ALL LINES SHALL BE EQUIPPED WITH CLEAN-OUTS WITH TIGHT FITTING CAPS, AT EVERY SEVENTY-FIVE FEET OR LESS, OR WHERE ANGLES GREATER THAN 45 DEGREES ARE ENCOUNTERED.

4. THE HOLDING TANK SHALL BE PLACED ON A SMOOTH AND LEVEL SUBGRADE WITH A MINIMUM BEDDING OF 6 INCHES OF SAND OR FINE GRAVEL. BACKFILLING THE TANK SHALL BE DONE IN LAYERS WITH SUFFICIENT TAMPING TO AVOID SETTLING.

5. THE HOLDING TANK SHALL BE EQUIPPED WITH AN AUDIO OR VISUAL ALARM THAT INDICATES THAT THE TANK IS 90 PERCENT (90%) FULL.

6. NO DOMESTIC WATER WELLS ARE REGISTERED WITHIN 1,000 FEET OF THE PROPOSED SYSTEM.

15 DEC 2014

# LINCOLN LANDSCAPING COMPANY
ONSITE WASTEWATER TREATMENT SYSTEM
ROCA, NEBRASKA

24x36

ONSITE WASTEWATER TREATMENT PLAN


FURNAS SQUARE, 1455 "N" STREET, LINCOLN, NEBRASKA 68508
PHONE 402-474-2000 FAX 402-474-6006


C-1

20140912

**Design Associates**
of Lincoln, Inc.
*ARCHITECTS • PLANNERS • ENGINEERS*

December 15, 2014

Mark Bauer
Nebraska Department of Environmental Quality
Onsite Unit, Wastewater Section, Water Quality Division
Suite 400, The Atrium, 1200 'N' Street
Lincoln, NE

Re: Onsite Wastewater Treatment System
Lincoln Landscaping Company
10612 Saltillo Road
Poca, NE 68430

Lot 1, Deboer Addition
SW 1/4 SE 1/4 Sec. 36, T9N, R7E
Lancaster County, Nebraska

Mr. Bauer:

Enclosed please find three sets of plans for an On-site Wastewater Treatment System (OWTS) for the above referenced facility. Also included is a permit application form and check for review fee. These documents are provide as a an application for a construction permit on behalf of the following property owner:

Rick Clark
Lincoln Landscaping Company

The property is approximately 20 acres in size. The project includes a new building for a garden center. The building will include offices and restrooms. The domestic wastewater generated by these restrooms will be treated by a standard 1,000 gallon septic tank and lateral field. Another part of the building is a shop for servicing and storing vehicles and will have two floor drains. This non-domestic wastewater will be collected and stored in a holding tank.

Please feel free to give me a call at (402) 474-3000 if you have any questions or if there is any additional information that we can provide that will assist in the review and approval of this construction permit.

Sincerely,

Jeremy Williams, P.E.
For the firm

PERSHING SQUARE 1609 'N' STREET LINCOLN, NEBRASKA 68508
Phone: (402) 474-3000 www.DAofLincoln.com Fax: (402) 474-4045

COPY

STATE OF NEBRASKA

[redacted] Pete Ricketts
*Governor*

JAN - 9 2015

DEPARTMENT OF ENVIRONMENTAL QUALITY
**Patrick W. Rice**
*Acting Director*
Suite 400, The Atrium
1200 'N' Street
P.O. Box 98922
Lincoln, Nebraska 68509-8922
Phone (402) 471-2186
FAX (402) 471-2909
website: http://deq.ne.gov

Rick Clark
Lincoln Landscaping Company
10612 Saltillo Road
Roca, NE 68430

RE: Onsite Wastewater Treatment System
Lincoln Landscaping Company, 10612 Saltillo Road, Roca
SW ¼, SE ¼, Sec. 36, T9, R7E, Lancaster County
NDEQ ID: **76303**
Program ID: **14OWT050**

Construction Permit No. **14OWT050**

Dear Mr. Clark:

Construction shall be as described in the approved documents. It is your responsibility to make sure the facility is built as approved and all regulatory requirements met. We strongly recommend that you meet with your engineer and installer prior to construction to review the approved plans and specifications. If any modifications are necessary, Title 124 requires that you obtain written approval from the Department before changes are made to the system design.

An operating permit is required for use of this onsite system. After the system has been constructed, your Installer must properly register the system (submit completed form and fees) and your engineer must submit the construction completion card to the Department. A permit checklist, system registration form for a Title 124 permit system, and Engineer's notification of construction completion form have been enclosed to assist you with this process. Additionally, copies have been sent to your engineer. Once the system registration has been submitted by your Installer and the notification of construction completion submitted by your Engineer, the Department will evaluate for compliance and issue an operating permit if all regulatory requirements have been met.

Documents describing the above-referenced project have been approved and stamped accordingly. Pursuant to Neb. Rev. Stat. Sec. §81-1506(2)(Reissue 1987) and the requirements found in Nebraska Administrative Code Title 124, a permit for construction (enclosed) is hereby granted. This construction permit expires one year from the date of issuance. You may request renewal (subject to any changes in regulations and Department approval) prior to expiration.

Three sets of documents were submitted as part of the Title 124 permit application. One set of documents has been retained for the public record. The remaining documents are being returned to the submitting engineer for distribution.

Compliance with minimum sanitary engineering design criteria was the only consideration in the review of this project. Items such as quality of material, electrical and mechanical design features and structural soundness, were not considered unless specifically noted in the review comments. This approval does not release you, the owner, from your responsibility to provide an operable facility.

20150001720



*An Equal Opportunity Employer*

Local zoning, siting or building code requirements are separate from and in addition to the requirements found in the Nebraska Administrative Code administered by the Department. Please continue to work with local officials to ensure any local requirements are met.

**If you have any questions please contact Douglas Barry in the NDEQ Onsite Unit at Douglas.Barry@nebraska.gov or (402) 471-4203.**

Sincerely,

Marty Link
Acting Water Quality Division Administrator

Enclosures: Owner Checklist, Permit Registration, and Engineer Construction Completion

ML/mb/dab
Cc: Jeremy J. Williams, P.E., Design Associates, 1609 'N' Street, Lincoln NE 68508
John Chess, Lancaster County Health Department, 3140 'N' Street, Lincoln NE 68510

COPY

# Nebraska Department of Environmental Quality

## *Construction Permit No. 14OWT050*

*is hereby issued to*

## *Rick Clark*
## *for Lincoln Landscaping Company*

*for the*

### *On-site Wastewater Treatment Holding Tank System*

*Description:*

*A 1000 gallon holding tank with audible and visual alarms set at 90% full for two vehicle storage and service area shop floor drains.*

*located at*

### *10612 Saltillo Road*
### *SW ¼, SE ¼, Sec. 36, T9, R7E*
### *Lancaster County*

***Pursuant to a Delegation Memorandum dated March 13, 2014, and signed by the Director, the undersigned hereby executes this document on behalf of the Director.***

*Signed* 9 January 2015

Marty Link

*Marty Link, Acting Water Quality Division Administrator*

20150001771

Suite 400, The Atrium, 1200 "N" Street, P. O. Box 98922, Lincoln, Nebraska, 68509-8922
Phone (402) 471-2186, Fax (402) 471-2909, e-mail Pubinfo@mail.deq.state.ne.us

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 [redacted] Saltillo (no rural route) City Lincoln NE, Zip

Owner Address

Date of Tests 9/20/14 to 9/21/14 Weather: Precipitation none Temperature 85

### 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 | 36 | 9/20 | 9:00 | 9/21 | 8:00 | 9/21 | 11:30 | 6 | 9/21 | 12:00 | 30 | 3/4 | 40 |
| 2 | 36 | 9/20 | 9:00 | 9/21 | 8:00 | 9/21 | 11:30 | 6 | 9/21 | 12:00 | 30 | 1/2 | 60 |
| 3 | 36 | 9/20 | 9:00 | 9/21 | 8:00 | 9/21 | 11:30 | 6 | 9/21 | 12:00 | 30 | 1/2 | 60 |
| 4 | 36 | 9/20 | 9:00 | 9/21 | 8:00 | 9/21 | 11:30 | 6 | 9/21 | 12:00 | 30 | 5/8 | 48 |
| 5 | 36 | 9/20 | 9:00 | 9/21 | 8:00 | 9/21 | 11:30 | 6 | 9/21 | 12:00 | 30 | 5/8 | 48 |
| 6 | 36 | 9/20 | 9:00 | 9/21 | 8:00 | 9/21 | 11:30 | 6 | 9/21 | 12:00 | 30 | 1/2 | 60 |
| 7 | 36 | 9/20 | 9:00 | 9/21 | 8:00 | 9/21 | 11:30 | 6 | 9/21 | 12:00 | 30 | 1/8 | 240 |
| 8 | 36 | 9/20 | 9:00 | 9/21 | 8:00 | 9/21 | 11:30 | 6 | 9/21 | 12:00 | 30 | 1/8 | 240 |

### Person Conducting Percolation Test

Name: Claude Oie PE-3939
Phone: 402-486-4444
Address 6645 S. 66th St.
Lincoln, NE. 68516
Soil type (NRCS Maps/Other) Silty Clay
Groundwater Depth N. A.

Sum of Percolation Rates: 316
Average of Rates: 53
Rate Used for Calculation: 60

***DO NOT WRITE BELOW THIS LINE***

### Reviewing Action

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

Signature of Reviewing Official Date

Onsite Form B 12_06

**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. HS000990**

**System Type:** Standard

**Situs:** 3140 N ST, LINCOLN, NE

Issued: 1/23/2015

Expires: 1/23/2016

**Description:** PLAINVIEW ADDITION, BLOCK 1, Lot 8, N70' & LOTS 9 - 14 & VAC ALLEY ADJ LOTS 13 & 14 & N10' VAC N ST ADJ LOTS 8 - 14 & BLOCK 4 LOTS 1 - 4 & VAC E-W ALLEY ADJ

**Owner:** CITY OF LINCOLN & LANCASTER COUNTY
ATTN: PUBLIC BLDG COMMISSION - DON KILLEEN 920 O ST STE 203
LINCOLN, NE 68508

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

CITY OF LINCOLN & LANCASTER COUNTY
ATTN: PUBLIC BLDG COMMISSION - DON KILLE
LINCOLN, NE 68508

10810 Saltillo Rd

HS001858
AUG 07 2019

