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

A

Permit Number #5001935

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 1540 W Ridge Rd. City Lincoln, NE Zip 68523
(no rural route)

Legal Description S16 T9 R6 Gateway Western Estates 1 6+7
1/4 | 1/4 | Section | Township | Range | Subdivison | Addition | Block | Lot

PID 09-16-400-018-000

B. Owner

Name First Ne. Trust Co. Signature

Address City/State/Zip

Home Phone Work Phone

C. Certified Installer

Name: Wellmann Plbg. Kelly Wolinski Signature

Address 3130 S 6th. City/State/Zip Lincoln, Ne. 68502

Work Phone 402-434-2400

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 4 Whirlpool Bathtub? ☒ Yes ☐ No Total Acres ± 10
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 Date rec'd **ACTION** ☐ Approved ☐ Disapproved
Date frwd Signature
Comments

2. Supt. Bldg. Insp. or Village Clerk
Comments Date rec'd **ACTION** ☐ Approved ☐ Disapproved
Date frwd Signature

3. City or County Engineer
Comments Date rec'd **ACTION** ☐ Approved ☐ Disapproved
Date frwd Signature

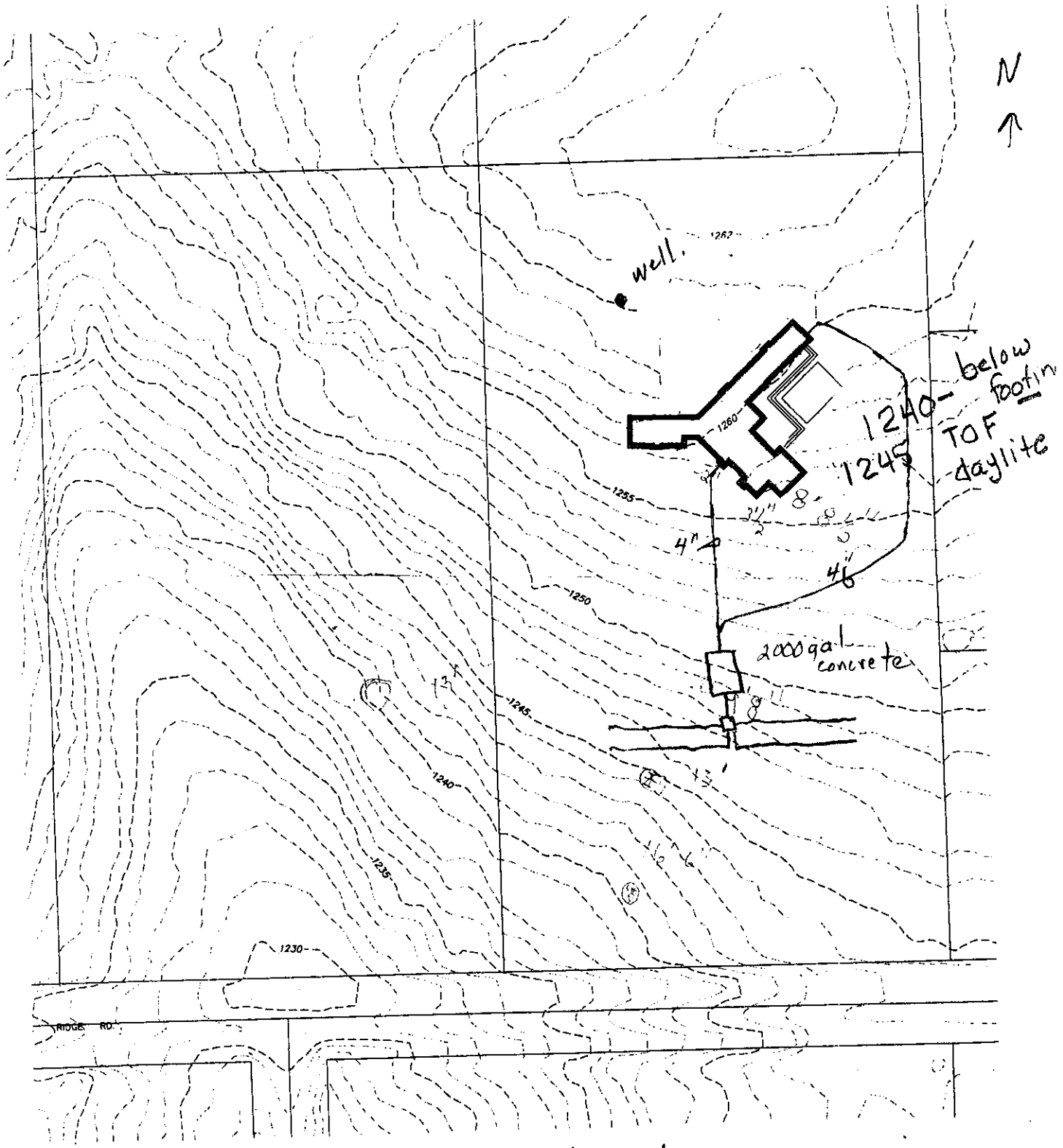
Installation Final Written Approval
By
Date

Business Office Use Only
Date Received 11-21-19 Amount Paid $430.00
Received By JAD Cash/Check No. 50450

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

Form A Updated: 1/13

4 Bedroom: 50-60 perc Rate. 2000gal. concrete Tank
500 gal./day 1400 sq. ft. ARC 36 Chambers @ 3.625'
use 400' Lateral.



1540 W Ridge Rd.

R. 36"

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 1540 W Ridge Rd. (no rural route) City Lincoln NE, Zip 68523

Owner First Ne. Trust Address

Date of Tests 11-8 to 11-9 Weather: Precipitation 0 Temperature 60's

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			End				
Hole No.	Hole Depth (in)	Date (Mo/Da)	Time (Hr/Min)	Date (Mo/Da)	Time (Hr/Min)	Date (Mo/Da)	Time (Hr/Min)	Initial Water Lev (in.)	Date (Mo/Da)	Time (Hr/Min)	Elapsed Time Interval	Water Level Drop (in)	Percolation Rates (Min/in = mpi)
1	36	11-8		11-9				6			30min	1/2	60
2	36							6			30	5/8	48
3	36							6			30	1/2	60
								6					
								6					
								6					
								6					
								6					

Person Conducting Percolation Test

Name: Kelly Woodruff
Phone: 402-610-0561
Address

Sum of Percolation Rates: 168
Average of Rates: 56
Rate Used for Calculation: 50-60

Soil type (NRCS Maps/Other)

Groundwater Depth

DO NOT WRITE BELOW THIS LINE

Reviewing Action

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

Signature of Reviewing Official Date

site Form B 12_06

READ THOROUGHLY

DIAGRAM OF PERCOLATION TEST PROCEDURE

Finished Grade or Natural Ground Level

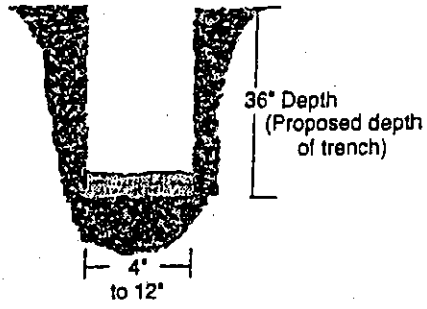
I. Size, Number, and Location or Test Holes

A. Dig six or more holes spaced uniformly over proposed lateral field site.

B. Scratch smeared spots on sides of hole.

C. Remove loose material from hole.

D. Add 2" of gravel to hole.

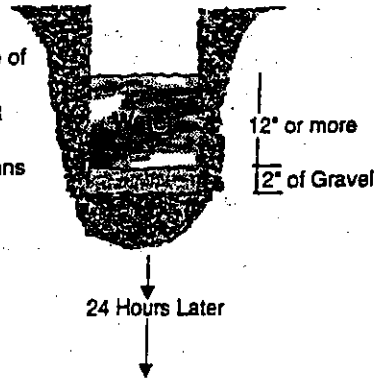


II. Saturation of Soil (Pre-soak)

A. Fill hole with 12" or more of water.

B. MAINTAIN THIS WATER LEVEL FOR 4 HOURS.

C. Record on Form B columns a thru f.



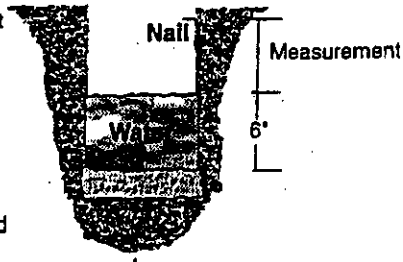
24 Hours Later

III. Percolation-rate Measurement **(refer to instructions 5a, 5b, or 5c.)**

A. Add 6" of water.

B. Measure from fixed reference point (nail) to water.

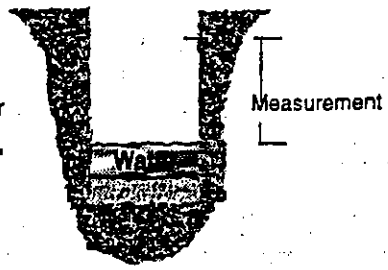
C. Record measurement and time on front of Form B.



½ hour later
(30 minutes)

D. 30 minutes later remeasure and record time.

E. If water will be too low for another reading 30 minutes later, adjust to 6" of water and remeasure and record time.



F. Continue for 3½ hours taking readings every 30 minutes.

G. Last 30 minute reading is used in filling out Form B. Record date, time, intervals and water level drops in column g thru m.

1. **Number and location of tests.** Percolation tests shall be made in 6 or more separate test holes which shall be spaced uniformly over the proposed lateral field site.
2. **Type of test hole.** Dig or bore a hole 3 feet deep with a diameter of 4 to 12 inches. (To save time, labor and the volume of water required per test, a 4-inch auger hole is recommended).
3. **Preparation of the test hole.** Scratch or roughen any smeared spots on the sides of the hole with a knife blade or sharp pointed instrument to provide a natural soil interface into which water may percolate. Remove all loose material from the hole. Add 2 inches of gravel to protect the bottom from scouring when water is poured into the hole.
4. **Saturation and swelling of the soil.** Fill the hole with clear water to a depth of 12 inches or more above the gravel and maintain this water level at least 4 hours and preferably overnight. The accuracy and true value of the percolation data depends on thorough saturation and swelling of the soil.
5. **Percolation-rate measurement.** Percolation-rate measurements shall be made 24 hours after starting the saturation and swelling procedure described above. Record results on the front of this form and complete all calculations.
   a. If water remains in the test hole after the overnight swelling period, adjust the depth to approximately 6 inches over the gravel. From a fixed reference point, measure the drop in water level over a 30 minute period to the nearest 1/8 of an inch. This drop is used to calculate the percolation rate.
   b. If no water remains in the test hole after the overnight swelling period, add clear water to bring the depth to approximately 6 inches over the gravel. From a fixed point, measure the drop in water level to the nearest 1/8 of an inch at 30-minute intervals for 4 hours. Refill to the 6 inch level over the gravel as often as necessary. The drop that occurs during the final 30 minutes is used to calculate the percolation rate.
   c. In sandy soils (or other soils in which the first 6 inches of water seeps away in less than 30 minutes after the overnight swelling period) the time interval between measurements shall be 10 minutes instead of 30 minutes and the test run for 1 hour instead of 4 hours. The drop that occurs during the final 10 minutes is used to calculate the percolation rate.
6. **Record the test results and complete all calculations on the front of this form.** The average of the percolation rates calculated for all holes in the last 30 (10) minutes will normally be the rate used for calculations to size the system. ***Exceptions are the use of the greatest percolation rate when rates vary more than 20 min/in between holes or when other soil analysis indicates potential percolation problems.***

LLCHD reserves the right to require additional testing based on knowledge of soil types, percolation tests results on nearby properties, or due to concerns with procedures followed. In some situations, LLCHD staff will require and perform on-site observation of percolation tests.

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. HS001935

System Type: Standard

Situs: 1540 W RIDGE RD, LINCOLN, NE 68523

Issued: 11/25/2019

Expires: 11/25/2020

Description: GATEWAY WESTERN ESTATES, BLOCK 1, Lot 6 - 7

Owner: PEGLER, DONALD H III & COLEEN
FIRST NEBRASKA TRUST COMPANY
ATTN: BRANDI NOVOSAD PO BOX
81667
LINCOLN, NE 68501

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

KELLY WOLINSKI
3130 S 6TH ST
LINCOLN, NE 68502

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

SCANNED

A

Permit Number
#5001935

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 1540 W Ridge Rd. City Lincoln, NE Zip 68523
(no rural route)

Legal Description SW SW S16 T9 R6 Gateway Western Estates 1 6+7
1/4 1/4 Section Township Range Subdivison Addition Block Lot

PID 09-16-400-018-000

B. Owner

Name First Ne. Trust Co. Signature

Address City/State/Zip

Home Phone Work Phone

C. Certified Installer

Name: Wellmann Plbg. Kelly Wolinski Signature

Address 3130 S 16th. City/State/Zip Lincoln, Ne. 68502

Work Phone 402-434-2400

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 4 Whirlpool Bathtub? ☒ Yes ☐ No Total Acres ± 10.32
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. 02-38

1. Health Department
Site visits
Comments
Date rec'd 11/25/19
Date frwd 11/25/19
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 see e-sheet for as-built
Date 12/16/19

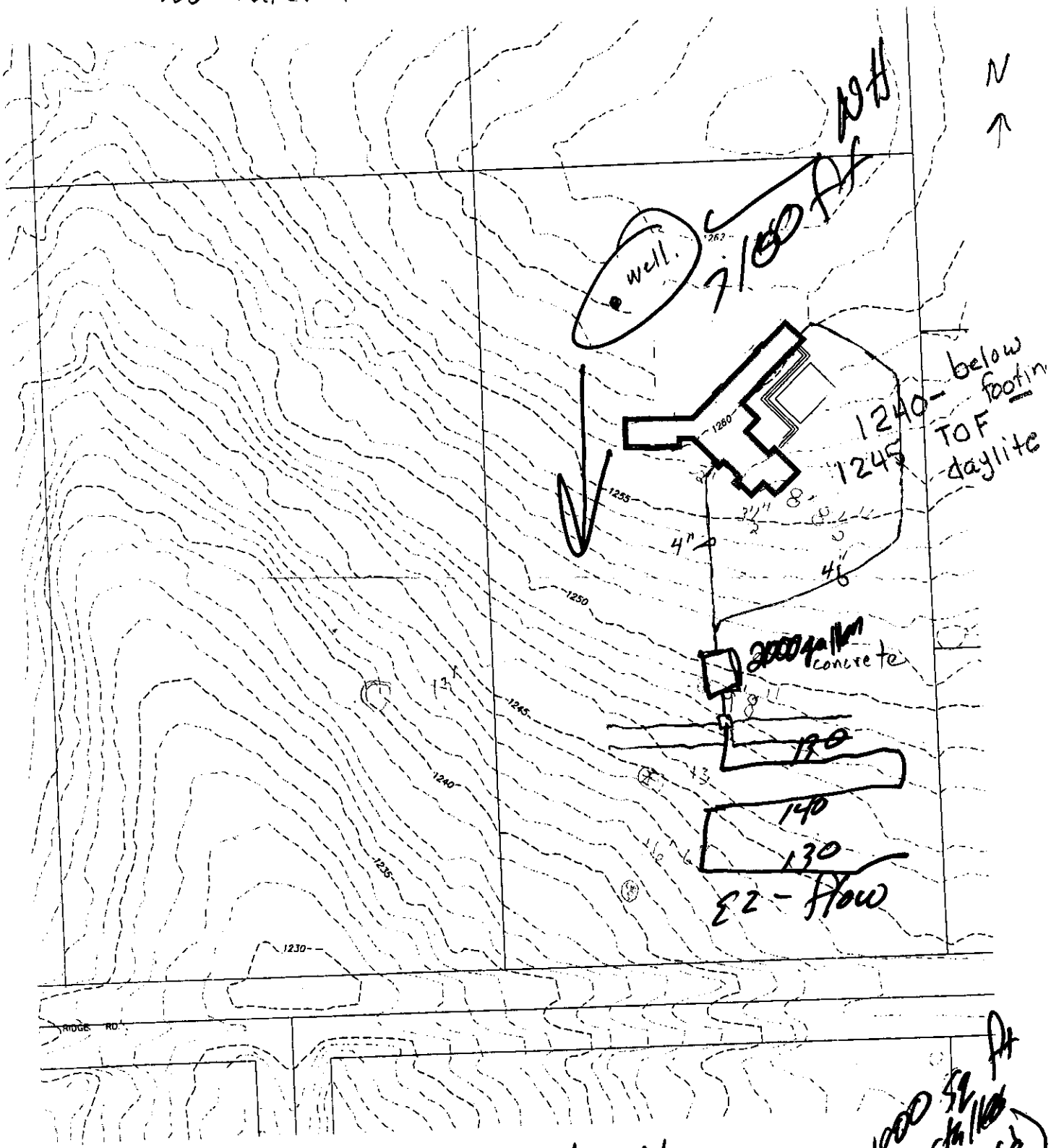
Business Office Use Only
Date Received 11-21-19 Amount Paid $430.00
Received By AM Cash/Check No. 58456

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

Form A Updated: 1/13

SCANNED

4 Bedroom: 500 gal./day
50-60 perc Rate. 1400 sq. ft.
use 400' Lateral.
2000gal. concrete Tank
ARC 36 Chambers @ 3.625'



1540 W Ridge Rd.

R. 36"

1800 sq ft
installed
1400 Req'd

SCANNED

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 1540 W Ridge Rd. (no rural route) City Lincoln NE, Zip 68523

Owner First Ne. Trust Address

Date of Tests 11-8 to 11-9 Weather: Precipitation 0 Temperature 60's

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			End				
Hole No.	Hole Depth (in)	Date (Mo/Da)	Time (Hr/Min)	Date (Mo/Da)	Time (Hr/Min)	Date (Mo/Da)	Time (Hr/Min)	Initial Water Lev (in.)	Date (Mo/Da)	Time (Hr/Min)	Elapsed Time Interval	Water Level Drop (in)	Percolation Rates (Min/in = mpi)
1	36	11-8		11-9				6			30min	1/2	60
2	36							6			30	5/8	48
3	36							6			30	1/2	60
								6					
								6					
								6					
								6					
								6					

Person Conducting Percolation Test

Name: Kelly Woltjen

Phone: 402-610-0561

Address

Sum of Percolation Rates: 168

Average of Rates: 56

Rate Used for Calculation: 50-60

Soil type (NRCS Maps/Other)

Groundwater Depth

DO NOT WRITE BELOW THIS LINE

Reviewing Action

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

Signature of Reviewing Official Date

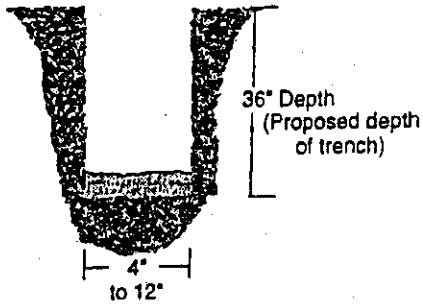
site Form B 12_06

READ THOROUGHLY

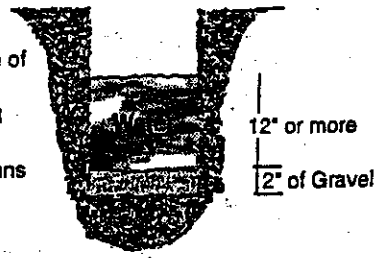
DIAGRAM OF PERCOLATION TEST PROCEDURE

Finished Grade or Natural Ground Level

I. Size, Number, and Location or Test Holes
   - A. Dig six or more holes spaced uniformly over proposed lateral field site.
   - B. Scratch smeared spots on sides of hole.
   - C. Remove loose material from hole.
   - D. Add 2" of gravel to hole.

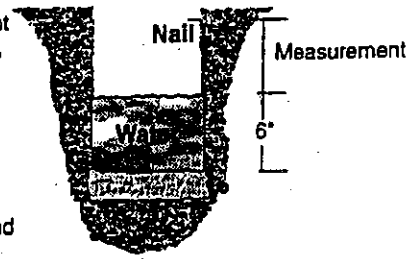


II. Saturation of Soil (Pre-soak)
   - A. Fill hole with 12" or more of water.
   - B. MAINTAIN THIS WATER LEVEL FOR 4 HOURS.
   - C. Record on Form B columns a thru f.



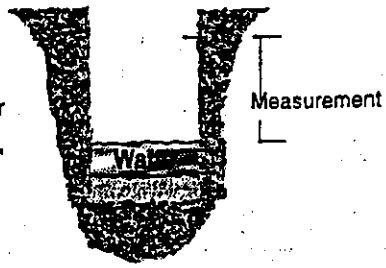
24 Hours Later

III. Percolation-rate Measurement **(refer to instructions 5a, 5b, or 5c.)**
   - A. Add 6" of water.
   - B. Measure from fixed reference point (nail) to water.
   - C. Record measurement and time on front of Form B.



½ hour later (30 minutes)

   - D. 30 minutes later remeasure and record time.
   - E. If water will be too low for another reading 30 minutes later, adjust to 6" of water and remeasure and record time.



   - F. Continue for 3½ hours taking readings every 30 minutes.
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1. **Number and location of tests.** Percolation tests shall be made in 6 or more separate test holes which shall be spaced uniformly over the proposed lateral field site.
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