FEB 13 2013

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

A

Permit Number H5000723

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 _____ (no rural route) City Roca NE Zip 68430

Legal Description NE 25 8 6e Meadowlark Hills 2nd 1 6e
1/4 | 1/4 | Section | Township | Range | Subdivison | Addition | Block | Lot

Geographical Location (if known): Lat/Long: _____ PID 08 25 201 006 000

B. Owner

Name Matt Biggs Signature Matt Biggs

Address 2341 Andrew Pl City/State/Zip Lincoln NE 68512

Home Phone 402-429-7112 Work Phone _____

C. Certified Installer

Name: Lloyd Jakowski Raymond Contracting Signature Kevin L. Jakowski for Lloyd

Address 13700 NW 70th St City/State/Zip _____

Work Phone 402-890-6009 or 402-783-2663

D. Engineer

☐ Check and complete if engineer designed system P.E. License Number: _____

Designer Name _____ Firm _____ Work Phone _____

E. This system will serve a

Disposal - Yes

☑ Residential Dwelling Number of Bedrooms 4 Is there a Whirlpool Bathtub? ☑ Yes ☐ No Total Acres 3.04

☐ 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 2/19/13
Date frwd 2/19/13
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 2-19-2013
Date frwd 2-19-2013
ACTION ☑ Approved ☐ Disapproved
Signature Kenneth D. Schroeder

Installation Final Written Approval
By _____
Date _____

Business Office Use Only
Date Received 2-21-13 Amount Paid 355.00
Received By BA Cash/Check No. 8051

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

Form A Updated: 5/10

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

B

Permit Number:

Sewage Disposal System

Soil Absorption Test Data Report

Annex to Application

PLEASE PRINT OR TYPE

Meadow Lark Hills 2nd
Block 1 Lot 60

System Location (Indicate correct number and street)

Address _____ (no rural route) City Rola NE, Zip 68430

Owner Matt Biggs Addresss 2341 Andrea Pl Lincoln, NE 68512

Soil Type (SCS): Pikinson Sandy Loam Percolation Rate: 30 min./inch

Date of Tests 7/20/11 to 7/21/11 Weather: Precipitation 0 Temperature 80°

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	22	7/20	8:45a	7/20	12:45p	7/21	10:35a	6	7/21	10:45a	10	2	5
2	20	"	"	"	"	"	"	"	"	"	"	1	10
3	22	"	"	"	"	"	"	"	"	"	"	15/16	11
4	24	"	"	"	"	"	"	"	"	"	"	5/8	16
5	24	"	"	"	"	"	"	"	"	"	"	9/16	6
6	23	"	"	"	"	"	1:00p	"	"	1:30p	30	1	30

Person Conducting Percolation Tests

Name: Terri L. Jirousek, Raymond Contracting, Inc.
Phone: 402-783-2603 or 402-890-3870
Address 13800 NW 70th St
Raymond, NE 68428 # C1198

Sum of Percolation Rates: 78
Average of Rates: 13
Rate Used for Calculation: 30 (no min. variance)

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

Signature of Reviewing Official _____ Date _____

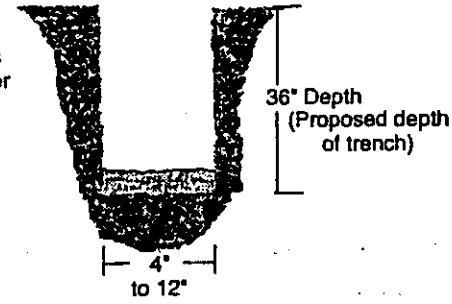
FORM 23-101 10-96

READ THOROUGHLY

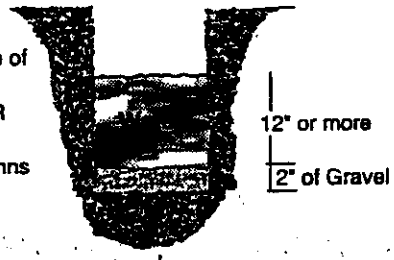
DIAGRAM OF PERCOLATION TEST PROCEDURE

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.

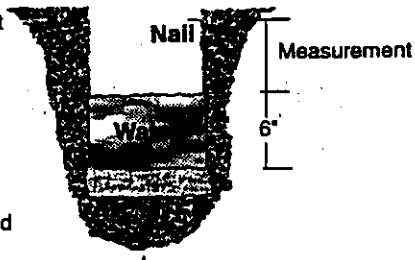


II. Saturation of Soil (Pre-soak)
   - A. Fill hole with 12" or more of water.
   - B. MAINTAIN THIS WATER LEVEL FOR 4 HOURS.
   - C. Record on Form B columns a thru f.



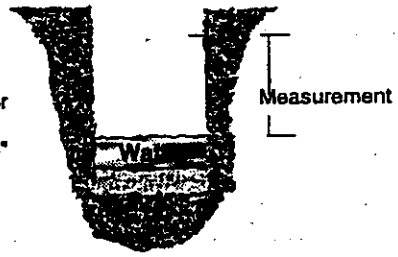
24 Hours Later

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.

Instructions

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.

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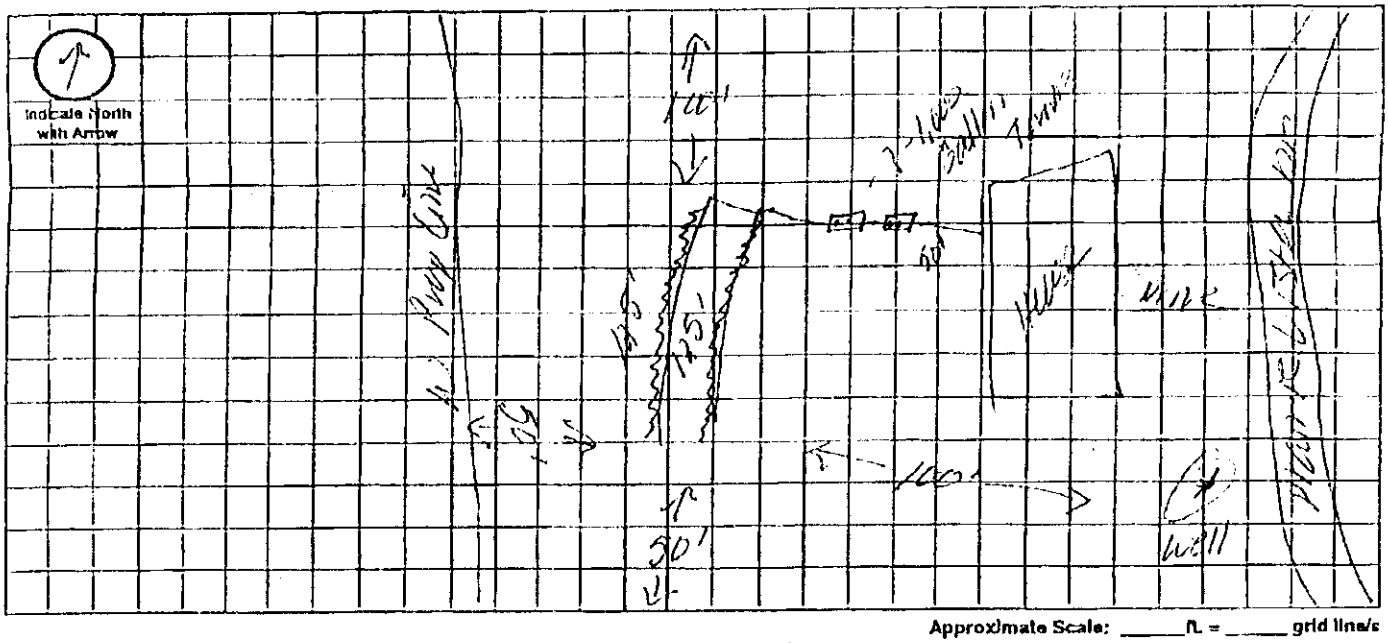
C

Permit Number:

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) _____ City Lincoln NE, Zip 68430

Meadowlark Hills 1st Block 1 Lot 6

B. Proposed Septic Tank/s

Tank Material: ☐ Concrete ☐ Plastic ☐ Other _____

C. Proposed Absorption System (See Form B for Percolation Information)

Percolation Rate 30 (min. per inch) Soil Type: Wabash Silty Clay Land Slope: _____ %

Type of Absorption System: ☒ Trench ☐ Bed ☐ Other _____

Total Square Feet of Field Required: 1,060 sq. ft.

Type of Lateral: ☐ Half-Moon ☐ Perforated Pipe ☒ Other Lateral Material: BioGravelless Chambers

Capacity of Septic Tank 2,000 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals 350 ft. Number of Trenches 2 Trench Width 40"

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 _____ Date 2/11/13

Installer _____ Date 1/22/13

FORM 23-102 10-96

Nate C. Hartman

From: Mike J. Petersen
Sent: Friday, February 15, 2013 12:35 PM
To: Nate C. Hartman
Subject: Meadowlark Hills
Attachments: Mike Petersen.vcf

Nate- Lot 6 Block 1 Meadowlark Hills is a legal buildable lot not in the flood plain. -Mp



Mike Petersen
Building & Safety Dept.
Plans Examiner II

(402) 441-6445 Work
mjpetersen@lincoln.ne.gov

555 S. 10th Street Room 203
Lincoln, NE 68508

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. HS000723

System Type: Standard

Situs:

Issued: 2/25/2013

Expires: 2/25/2014

Description: MEADOWLARK HILLS ADDITION, BLOCK 1, Lot 6

Owner: WRIGHT, LESLIE A
2341 ANDREA PL LINCOLN, NE
68512

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
RAYMOND, NE 68428