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. HS000772

System Type: Standard

Situs: 2550 W Masek DR

Issued: 6/27/2013

Expires: 6/27/2014

Description: MASEK'S FIRST ADDITION, BLOCK 3, Lot 1MASEK'S FIRST ADDITION, BLOCK 3, Lot 1

Owner: KENNEY, CHRISTOPHER R &
AMANDA L
1810 PRAIRIE LN
LINCOLN, NE 68521

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

SUBBERT WELL AND SEPTIC
1012 CO. RD. M
MEAD, NE 68041

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

A

Permit Number HS000772

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 2550 West Masek (no rural route) City Raymond, NE Zip 68428

Legal Description 9 11 6 Masek 1st Addition

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

Geographical Location (if known): Lat/Long: _____ PID _____

B. Owner

Name Chris + Amanda Kenney Signature _____

Address 1412 Prairie Lane City/State/Zip Lincoln Ne 68521

Home Phone 402-902-4235 Work Phone _____

C. Certified Installer

Name: Scott Sybert Signature Scott Sybert

Address 1012 Co Rd M City/State/Zip Mead Ne 68041

Work Phone 402-443-6546

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 Is there a Whirlpool Bathtub? ☐ Yes ☑ No Total Acres 10

☐ 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 _____ 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 6/20/11 Amount Paid 355.00
Received By JD Cash/Check No. 8774

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

Form A Updated: 5/10

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 2550 West Mosck (no rural route) City Raymond NE, Zip 68428

Owner Chris Kenney Address 1812 ~~Elk~~ Prairie Lane Lincoln NE 68521

Date of Tests 6/10/13 to 6/11/13 Weather: Precipitation 0 Temperature 80-s

Percolation Test Data Table

A.	B.	C. D. E. F. Saturation/Swelling Time				G. H. I. J. K. 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	32	6/10	1:00	6/11	1:30	6/11	2:00	6	6/11	2:30	30	.75	40
2	34	"	"	"	"	"	"	6	"	"		.75	40
3	32	"	"	"	"	"	"	6	"	"		.75	40
4	38	"	"	"	"	"	"	6	"	"		.75	40
5	38	"	"	"	"	"	"	6	"	"		5/8	50
6	34	"	"	"	"	"	"	6	"	"		5/8	50
								6					
								6					

Person Conducting Percolation Test

Name: Scott Sybert

Phone: 402-443-6544

Address 1012 Cumm

Mead Ne 68041

Sum of Percolation Rates: 260

Average of Rates: 43.3

Rate Used for Calculation: 44

Soil type (NRCS Maps/Other) _____

Groundwater Depth _____

DO NOT WRITE BELOW THIS LINE

Reviewing Action

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

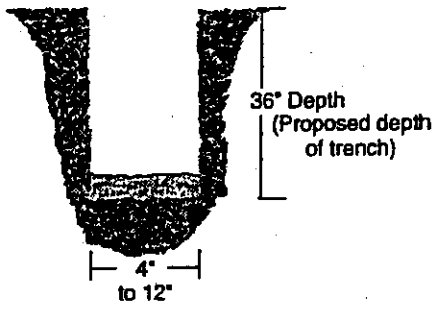
Signature of Reviewing Official _____ Date _____

READ THOROUGHLY

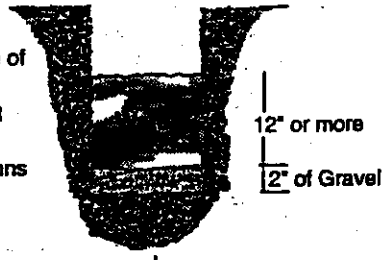
DIAGRAM OF PERCOLATION TEST PROCEDURE

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.

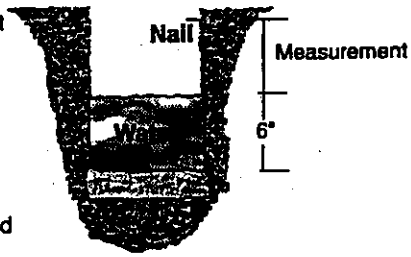


II. Saturation of Soil (Pre-soak)
   - A. Fill hole with 12" or more of water.
   - B. MAINTAIN THIS WATER LEVEL FOR 4 HOURS.
   - C. Record on Form B columns a thru f.



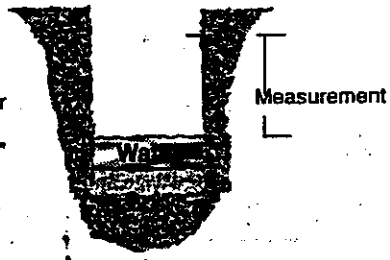
24 Hours Later

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.

Nate C. Hartman

From: James L. Plouzek
Sent: Tuesday, June 25, 2013 4:05 PM
To: Nate C. Hartman
Subject: Lot 1 - Masek Subdivision

Nate - There are no flood plain concerns for Lot 1 - Masek Subdivision. Therefore we approve our part of the sewer application.

Jim Plouzek
Road Construction Engineer
Lancaster County Engineering Dept.
444 Cherrycreek Road Bldg. C
Lincoln, NE 68528
402-441-7681
email: jplouzek@lancaster.ne.gov

Nate C. Hartman

From: Mike J. Petersen
Sent: Monday, June 24, 2013 10:39 AM
To: Nate C. Hartman
Subject: 2550 W Masek
Attachments: Mike Petersen.vcf

Nate- The legal description for 2550 W Masek Dr. is Lot 1 Masek's 1st Addition. The lot is legally buildable and 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