LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT

2200 ST. MARYS
LINCOLN, NEBRASKA 68502

FILE NO. 2613-C

INDIVIDUAL SEWAGE SYSTEM CONSTRUCTION — TYPE OF PERMIT

JUNE 18, 1988 — THIS PERMIT EXPIRES

MYRNA SCHMID — ISSUED TO

R.F.D. — ADDRESS

LINCOLN, NE 68506

T9N; R7E; Sec 32; Lots 37 & 38 I.T.
LEGAL DESCRIPTION

REMARKS: NON-TRANSFERABLE ALTER, EXTEND OR REPAIR

PERMIT	INSPECTION FEE	OCCUPATION TAX	TOTAL
$ 30.00	$	$	$ 30.00
ACCOUNTING NO.	ACCOUNTING NO.	ACCOUNTING NO.	CODE
	110.16	148.14	6-2

RECEIPTED BY	DATE	AMOUNT
JS	12-18-87	

VALID RECEIPT ONLY IF RECEIPTED IN THIS SPACE

HEALTH
ISSUING OFFICER

THIS PERMIT IS ISSUED AS PROVIDED BY COUNTY RESOLUTION NO. 2832

20109-0977

FORM HD-41(73) APPLICATION FOR PERMIT TO ALTER, EXTEND OR REPAIR INDIVIDUAL SEWAGE DISPOSAL SYSTEM

City Ordinance No. 9150 ☒
County Resolution No. 2832 ☒

LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT
Division of Environmental Health
2200 St. Marys Ave.
Lincoln, Nebraska 68502 (Phone: 471-7800)

FILE NO. 2613-C

TO: Division of Environmental Health
Lincoln-Lancaster County Health Dept.

DATE: 12-17-87

The undersigned hereby applies for a permit to ALTER ☐, EXTEND ☒, or REPAIR ☐ an existing Individual Sewage Disposal System, in conformance with appropriate Ordinance or Resolution, as described in this application and drawings attached hereto.

1. Legal description of property: Twp. 9N ; Range 7E ; Section 32 ;
Block ____ ; Lot S 37 & 38 T, Addition ____
Street Address ____

2. Property Use: Residential ____ ☒; Commercial ____ ☐
No. Bedrooms 3 Describe ____
Other Use ☐
Describe ____

3. Type of existing Individual Sewage Disposal System: Septic Tank ☒; Other ☐

4. Description of proposed alteration, extension or repair: extend Lateral 100' install Dist Box

5. Work to be done by: Owner ☐ ; or Contractor ☒, Southwick Sewer & Drain
Contractor's Name

6. Estimated cost of project:

a. Materials	$	
b. Labor	$	
c. Other	$	
TOTAL	$	860 00

Myrna Schmid Brad Southwick
Signature of Applicant (owner or lessee)

RFD Lincoln 68506 Hickman, Ne
Address

(Do not write below this line)

REVIEWING ACTION

1. Date Rec'd: 12-17-87
Filing Fee: $ 30.00

2. Site Visits:
Date: 12-17-87 by: mm
Date: ____ by: ____
Date: ____ by: ____

3. Date: Approved ☒; Disapproved ☐
by: Jerrold E. Hood

4. INSTALLATION FINAL WRITTEN APPROVAL
Date: 12-17-87 by: Ron Maynard

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

System Location (Indicate correct number and street)

Address 5408 Saltillo (no rural route) City Roca NE, Zip

Owner Dan + April Liebal Addresss 5408 Saltillo, Roca NE 68430

Soil Type (SCS): Pawnee soil Percolation Rate: min./inch

Date of Tests 9-29-05 to 9-30-05 Weather: Precipitation None Temperature 70°F

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	23"	9-29-05	10:00AM	9-29-05	2:00PM	9-30-05	11:00AM	6"	9-30-05	3:00PM	30	9/16	53 mpi
2	23"	"	"	"		"	"	"			"	1/2	60 mpi
3	24"	"	"			"	"	"			"	2 1/8	14 mpi
4	23"	"	"			"	"	"			"	7/16	failed
5	23"	"	77 gal into hole + no standing water (cracks sealed)									—	—
6	24"	"						"			"	7/16	failed

Sum of Percolation Rates:

Average of Rates:

Rate Used for Calculation:

Person Conducting Percolation Tests

Name: Ron Maynard

Phone: 441-8030

Address: LLCHD

DO NOT WRITE BELOW THIS LINE

Reviewing Action

* Recommend an engineered designed onsite system for this lot.

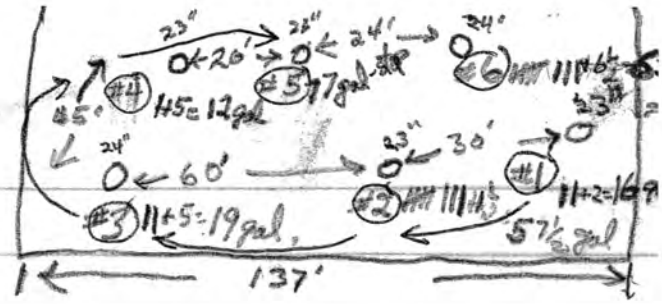
Remarks 1/4"+ cracks in soil of perc test area. Soil powder dry at bottom of hole when boring except #3 which was slightly moist. Because of drought condition + large cracks in soil, several 24 hr. continuous presoak would be needed to adequately presoak this perc test area.

Signature of Reviewing Official Ron Maynard Date 10-12-05

FORM 23-101 10-96 * see attached field perc test notes.

4N

Dan Leibel property, 2 acres
presoak start 10:00 AM 9-29-05
Perc test start 11:00 AM 9-30-05
70°F, sunny, clear, no rain.



Holes	time → 11:00 AM	11:30	12:00	12:30	1:00	1:30	2:00	2:30	
#1 (26 1/2)	26 5/8 = 10/16	26 5/8 = 10/16	26 9/16	26 7/16	26 7/16	26 7/16	26 1/2	26 1/2 8/16	
23" deep soil very dry 1/2"-2" ribbon	25 11/16 11/16	25 15/16	25 15/16	25 7/8 = 14/16	25 7/8 = 14/16	25 7/8 = 14/16	26	26 15/16	
	15/16	15/16	1 10/16 = 5/8	(9/16)	(9/16)	(9/16)	1/2	(9/16)	53 mpi
#2 (25)	25	24 15/16	25 1/8 = 2/16	24 15/16	25 1/16	25 1/8	25 1/8 = 2/16	25	
23" deep very dry 1" ribbon	24 1/8	24 5/16	24 7/16	24 3/8 = 6/16	24 1/2 = 8/16	24 5/8	24 6/16	24 1/2	
	7/8	10/16 = 5/8	11/16	(9/16)	(9/16)	(4/8 = 1/2)	(8/16 = 1/2)	(1/2)	60 mpi
#3 (23 1/2)	23 9/16	23 1/2	23 1/2 = 4/8	23 7/16	23 1/2 = 4/8	23 1/2 9/16	23 5/8	23 9/16	
24" deep slight moist <1" ribbon	20 3/16	20 7/8	21 1/8	21 1/4 = 4/16	21 3/8	21 7/16	21 1/2 = 4/8	21 1/2 8/16	
	3 5/16	2 5/8	2 3/8	(2 3/16)	(2 1/8)	(2 1/16)	2 1/8	(2 1/8)	14 mpi
#4 (25)	24 7/8 = 14/16	24 7/8	24 7/8	25	25	24 15/16	25	25	
23" deep very dry 1 1/2" ribbon cracks	24 3/16	24 3/8	24 3/8	24 1/2	24 1/2	24 1/2 8/16	24 9/16	24 9/16	failed
	11/16	4/8 = 1/2	(4/8 = 1/2)	(1/2)	(1/2)	(7/16)	7/16	(7/16)	
#5 (2) 23" deep 77 gal + not hold water	Hole #5 would not seal up due to soil cracks 77 gal into hole + would not hold water								
#6 (24 3/4) 24" deep very dry 1 1/2" ribbon water in bottom of hole by gravel bag	24 3/4 12/16	24 11/16	24 11/16	24 5/8	24 3/4	24 11/16	24 11/8	24 3/4 12/16	
	24 3/16	24 1/8 = 2/16	24 1/8 = 2/16	24 3/8	24 1/4	24 1/4 4/16	24 1/4 = 4/16	24 5/16	
	9/16	9/16	9/16	2/8 = 1/4	(1/2)	3/16	7/16	(7/16)	failed

Pownee or Burchard soil area of soils map

Hole #5 took 77 gals of water + never filled to 12-16" level - probably crack in soil

1"+ cracks in soil of perc test area. Drought conditions last couple of years

Holes were bored in very dry soil. Hole #3 was slightly moist at bottom

Hole #3 was in the lowest area of lot. Rainfall in spring of year would most likely cover absorption field in this area of lot.

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Phone: 402-441-8022

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Permit Number:

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Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 5408 (no rural route) City Roca NE, Zip 68430

Owner Dan + April Liebel Addresss 5408 Saltillo, Roca 68430

Soil Type (SCS): Pawnee Clay loam, Colo Silty clay loam Percolation Rate: _____ min./inch

Date of Tests 7-28-05 to 7-29-05 Weather: Precipitation Dry Temperature 85°

SE ¼ of Section 32-T9-N R7E Lancaster County
Lot 37 + 38

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	24	7-28	8:04 AM	7-29	8:08 AM	7-29	8:00 AM	18"	7-29	12:00 AM	30	2½	12
2	24	7-21	"	"	"	"	"	"	"	"	"	3	10
3	24	"	"	"	"	"	"	"	"	"	"	2¼	13.3
4	24	"	"	"	"	"	"	"	"	"	"	4½	7.3
5	24	"	"	"	"	"	"	"	"	"	"	4½	7.0
6	24	"	"	"	"	"	"	"	"	"	"	3¼	9.2
7	24	"	"	"	"	"	"	"	"	"	"	3¼	9.2
8	24	"	"	"	"	"	"	"	"	"	"	3½	8.5

Sum of Percolation Rates: 76.5
Average of Rates: 9.5
Rate Used for Calculation: 13.3

Person Conducting Percolation Tests

Name: Harry Muhlbach
Phone: 785-13815 or (430-7304)* *cell
Address 14605 N 56th
Lincoln, Ne 68514

DO NOT WRITE BELOW THIS LINE

Reviewing Action

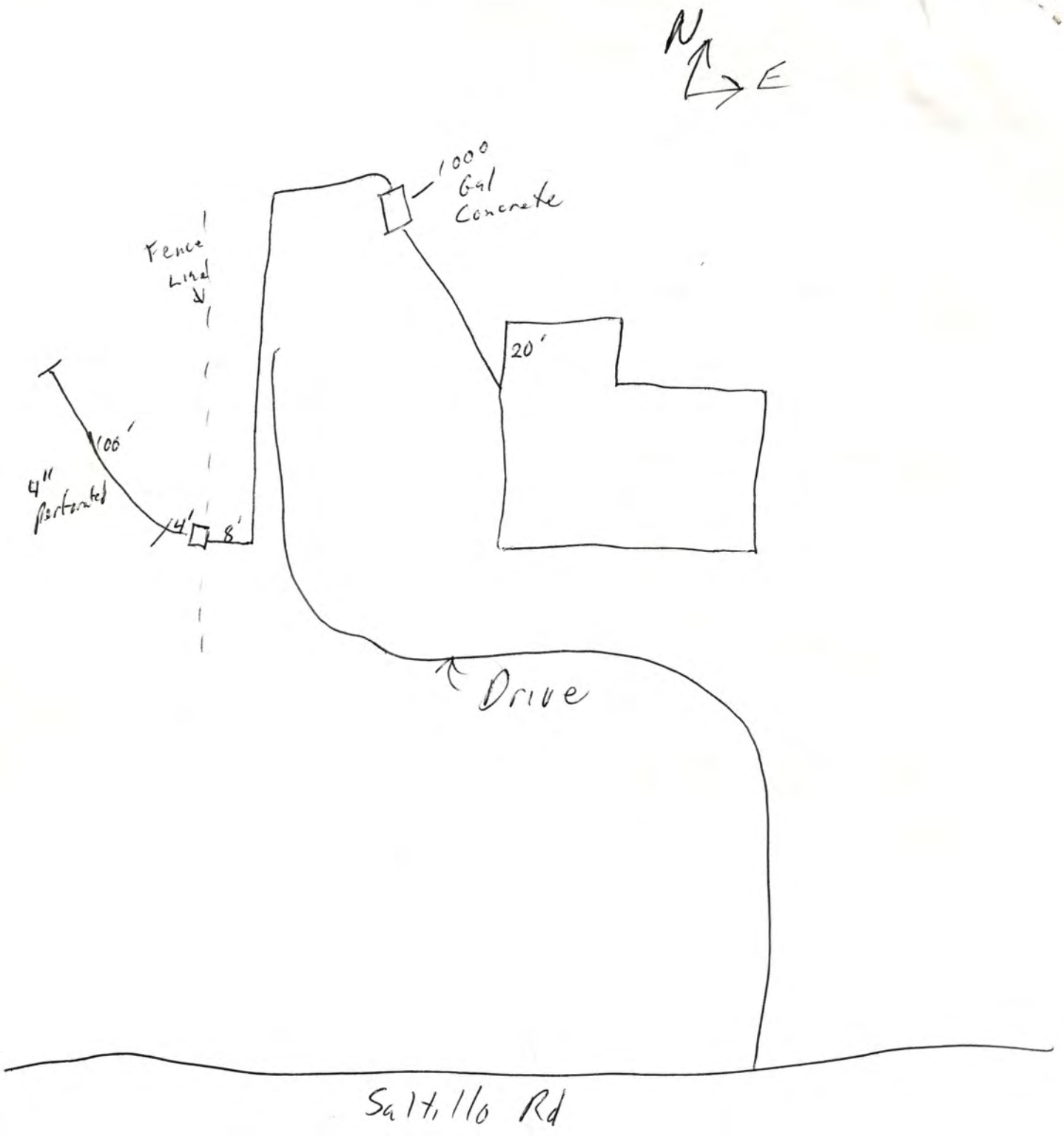
Remarks Appears to be only about 24" of passing perc test soil above Pawnee Clay loam soil, this is not satisfactory for a standard absorption field of a septic system. This test does not appear to have had an adequate presoak.

Signature of Reviewing Official Ron Mayant Date 8-25-05

FORM 23-101 10-96

Leibel Addition—06071-File Notes D.S 6/5/07

- Contacted by Dan Leibel, 423-1866, on May 28, 2007. Dan stated that Jerry Hood had met with him and given him approval to sub-divide based on information and agreement in the discussion. Dan stated that he needed Jerry's approval to be transmitted to Planning to finalize the division. Records could not be found to verify any follow-up on Jerry's part with the exception that a well inspection and approval had been made.
- Met with Dan Leibel at the property to check on the unused well and the possible sewage system failure. No visible failure of the system existed on June 5, 2007 when I visited the property. Dan stated they had repaired a leak in the house and had made efforts to conserve water to resolve the failure. Dan stated that he intends to negotiate with the buyers of the area to be divided off to see they would be interested in constructing a lagoon that could be shared. If this option does not work out it would be possible for Dan to build a lagoon on his own property or to install additional lateral or a non-standard system if failure were to re-occur. The parent property will still contain 4 acres. The area being sold is 3 acres.
- The unused well under the windmill does not present a contamination hazard. The well had a hand pump in place, it is not located in a pit and water drains away from the casing. Dan stated that he plans to upgrade the well for irrigation purposes and does not want to abandon it. The well is not used for drinking water.
- Based on the information in these notes a memo was sent to ~~Mike Dekalb~~ Christy Elchom of Planning stating that LLCHD was approving the request to subdivide.


N
E
1000 Gal Concrete
Fence Line
20'
100'
4" Perforated
4'
8'
Drive
Saltillo Rd