LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT

3140 "N" STREET
ENVIRONMENTAL HEALTH DIVISION
Lincoln, NE 68510-1514
(402) 441-8000

NON TRANSFERABLE

PERMIT

Permit No. 98380187401

SEWAGE INSTALLATION
SEPTIC SYSTEM

Issued 10/23/98
Expires 04/23/99
Revenue Code 3157

PAID

FEES: $150.00

Establishment
SCOTT KUCK
T11N R6E SEC 10
320 ACRES
1100 W MILL RD

TOTAL $150.00

Permittee
SCOTT KUCK
1900 SURFSIDE DR
LINCOLN NE 68528

Issued By Health Director
Lincoln-Lancaster County Health Department

THIS LICENSE OR PERMIT IS ISSUED SUBJECT TO REVOCATION AS PROVIDED BY LAW "POST IN A PROMINENT PLACE"

008222

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

A

Permit Number:

Sewage Disposal System

Request for Site Clearance and Permit

Include Form B, Form C and Applicable Fees with this Application.

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

The undersigned hereby requests site clearance and permit to construct a Sewage Disposal System in conformance with appropriate resolution or ordinance, as described herein:

PLEASE PRINT OR TYPE

A. System Location (Indicate correct number and street)

Address 801 W. Mill Road (no rural route) City Lincoln NE, Zip 68528

Legal Description SW (1/4) NW (1/4) 10 (Section) 11N. (Township) 6E. (Range) — (Subdivision) — (Addition) — (Block) — (Lot)

Geographical Location (if known): Longitude _____ Latitude _____

☒ Check if system mail address is not the same as the owner's address

B. Owner

Name Scott Kuck Signature _____

Address 1900 Surfide Dr. City/State/Zip Lincoln, NE 68528.

☐ Check if owner designed system Home Phone _____ Work Phone _____

C. Contractor

Name _____ Company Name _____

Address _____ City/State/Zip _____

☐ Check if contractor designed system Work Phone _____

D. Engineer/Installer ☒ Check and complete if engineer designed system

Designer Name Wm. C. Arneson Firm GSI Work Phone (402) 466-8154 *

E. This System Will Serve a

☒ Residential Dwelling Number of Bedrooms 4 Is there a Whirlpool Bathtub YES NO

☐ Commercial Establishment/Other Facility Specify _____

Design flow in gallons per day 500 Type of Wastewater: ☒ Domestic ☐ Non-Domestic.

DO NOT WRITE BELOW THIS LINE

Approval Process ☐ Municipal Code 24.38 ☐ County Resolution No. 2832

1. **Health Department** Date rec'd _____ Date frwd _____ ACTION ☐ Approved ☐ Disapproved Signature _____
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd _____ Date frwd _____ ACTION ☐ Approved ☐ Disapproved Signature _____
3. **City or County Engineer** Date rec'd _____ Date frwd _____ ACTION ☐ Approved ☐ Disapproved Signature _____

Installation Final Written Approval

By _____

Date _____

Business Office Use Only

Date Rec'd _____

Amt Paid _____

Rec'd By _____ Cash/Check No. _____

FORM 23-100 10-96 White - Health Dept. Yellow - Engineer Pink - Bldg. Inspector

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 801 W. Mill Road (no rural route) City Lincoln NE, Zip NE

Owner Scott Kuck Addresss 1900 Surfide Dr., Lincoln, NE 68528

Soil Type (SCS): Colo-Nodaway (Cp) Silty Clay Loam. Percolation Rate: _____ min./inch

Date of Tests 10-20-98 to 10-23-98 Weather: Precipitation None Temperature Low's 30's High's 70's

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	18	10-20	10:30	10-23	7:30	10-23	8:00	6.0	10-23	12:00	30	2.5"	12.0
2	18	10-20	10:31	10-23	7:32	10-23	8:02	6.0	10-23	12:03	30	1.4"	21.4
3	18	10-20	10:32	10-23	7:34	10-23	8:04	6.0	10-23	12:05	30	1.8"	16.7
4	18	10-20	10:33	10-23	7:36	10-23	8:06	6.0	10-23	12:07	30	0.7"	42.9
5	18	10-20	10:34	10-23	7:38	10-23	8:08	6.0	10-23	12:08	30	0.6"	50.0
6	18	10-20	10:35	10-23	7:40	10-23	8:10	6.0	10-23	12:10	30	1.4"	21.4
											180	8.4	164.4

Sum of Percolation Rates: 164.4

Average of Rates: 27.4 min/in.

Rate Used for Calculation: 50 min/in.

Δ Rate = 50 - 12 = 38 > 20
Use highest reading of 50.

Person Conducting Percolation Tests

Name: Wm. C. Arneson, P.E.

Phone: 402 466-8154

Address 4817 N 56th St. ; Suite #27
Lincoln, NE 68504-1720

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

Signature of Reviewing Official _____ Date _____

FORM 23-101 10-96

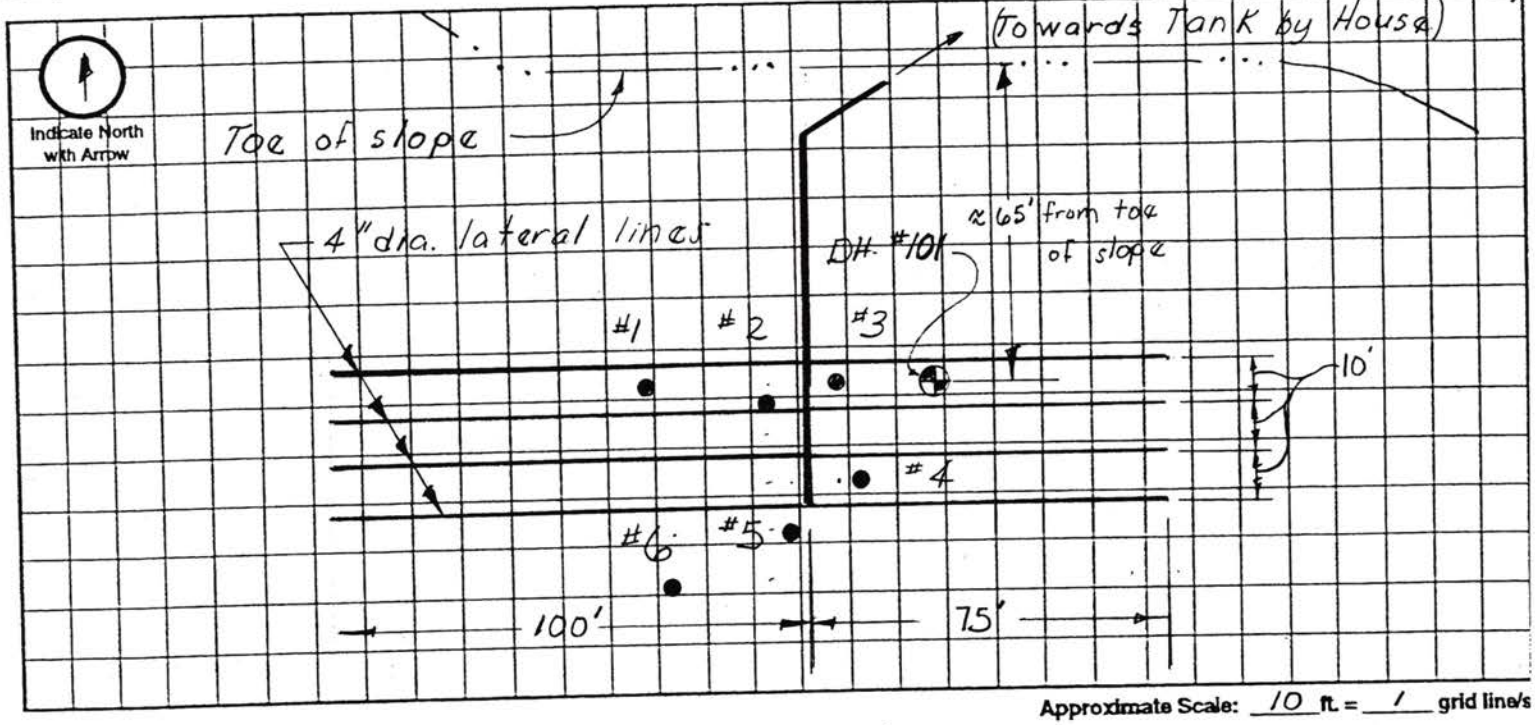
C

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

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. (See attachment C-1)



Approximate Scale: 10 ft. = 1 grid line/s

A. System Location (Indicate correct number and street)

Address (no rural route) 801 W. Mill Road City Lincoln NE, Zip 68528

B. Proposed Septic Tank/s

Tank Material: ☐ Concrete ☐ Plastic ☐ Other _____

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

Percolation Rate 50 (min. per inch) Soil Type: _____ Land Slope: _____ %

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

Total Square Feet of Field Required: 1400 sq. ft.

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

Capacity of Septic Tank 1250 gals Number of Absorption Beds: — Number of Distribution Laterals per Bed —

Total Length of Laterals 700 ft. Number of Trenches 8 Trench Width 2.0'

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 _____

Installer _____ Date _____

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

D

Permit Number:

Sewage Disposal System

As Built Plans & Specifications

Date Oct. 26, 1998

System Location (Indicate correct number and street)

Address 801 W. Mill Rd. (no rural route) City Lincoln NE, Zip 68528

A. Building Sewer

1. Material: Plastic Sch 40
   Diameter: 4.0" in.
2. Distance above basement floor: — in.
   or distance below basement floor: 3 in.
3. Distance between dwelling and septic tank: >100 ft.
4. Number of clean-outs:
5. Distances to: well or suction line > 500 ft.
   stream >500 ft.
   pressure line >500 ft.
   property line >800 ft.

B. Septic Tank

1. Material: Concrete 66"H; 60"W; 96"L
   Number of compartments: 1
2. Capacity: 1,250 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter 4x6 in.
   Over outlet, diameter 8x8 in.
   Riser: ☐ above ☐ below grade 24 in.
5. Inlet: ☐ baffle ☒ tee
6. Outlet: ☐ baffle ☒ tee
7. Depth to top of tank, below unfinished grade: 24 in.
8. Distances to: Well or suction line 50+ ft.
   Stream 50+ ft.
   Pressure line 10+ ft.
   Property line ≈ 800' ft.

C. Distribution Box

1. Material: Plastic.
   Number available outlets: 4
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 1000 + ft.

D. Absorption Field

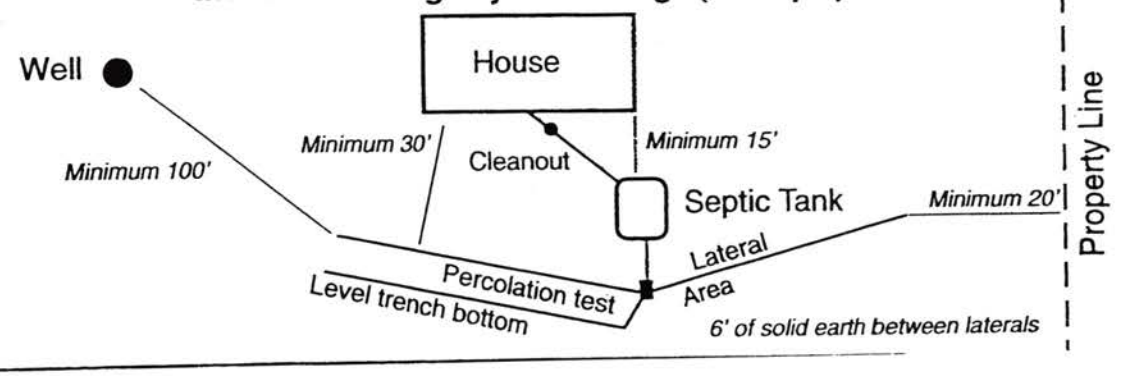
(Provide as-built drawings on back of this form)

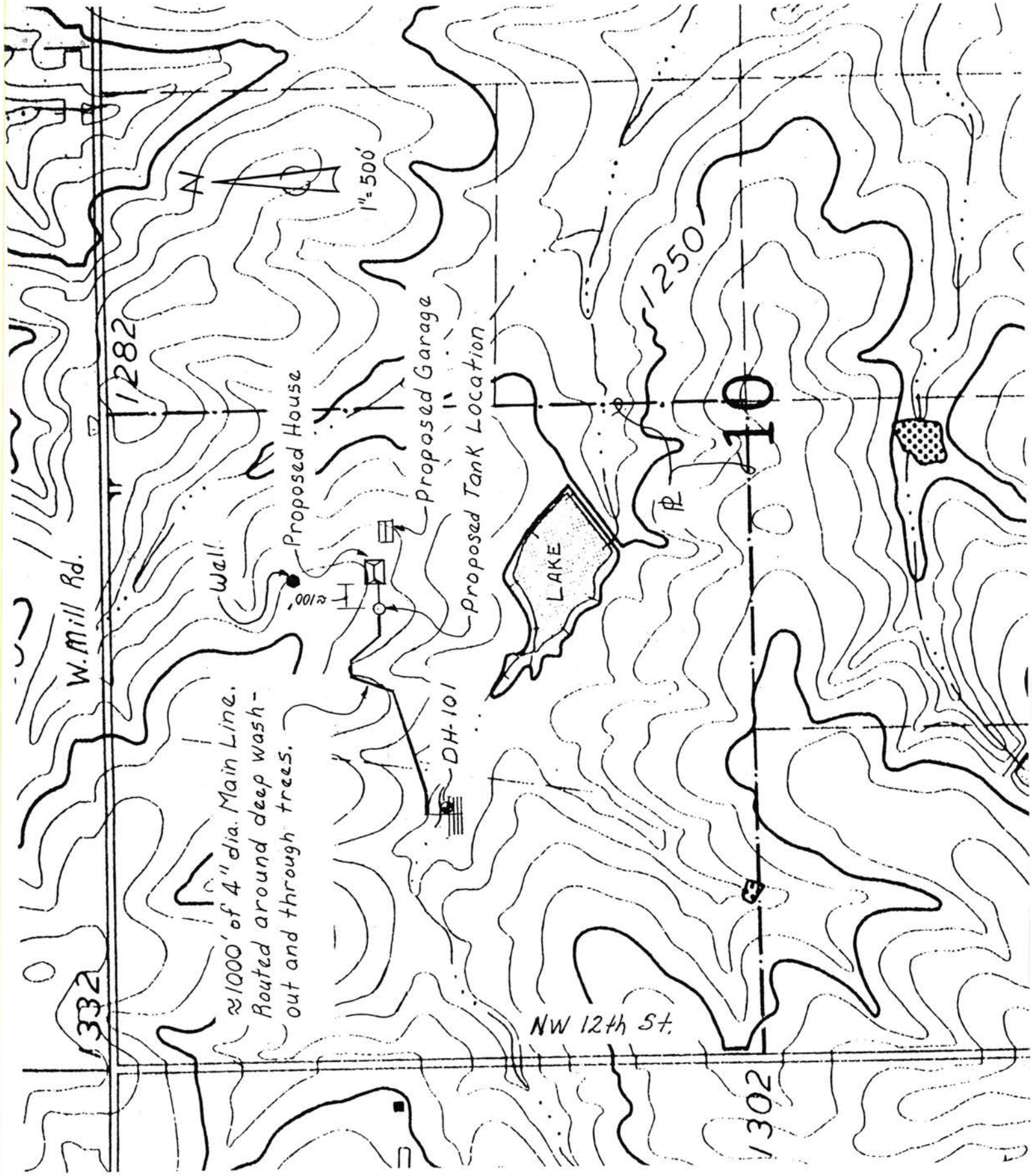
1. Type: ☐ Half rounds ☒ Perforated pipe
   Diameter of half round: —
   or perforated pipe: 4.0 inches
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other —
2. Lateral lines: Number 8
   Length of each line: 4 x 100 ft. 4 x 75 ft.
   ft. ft., ft.
3. Trench dimensions: Width 2.0 ft.
   Slope 1 to 3 in/100 ft.
   Average depth 2.0 in
4. Filter material: Gravel
   Depth of material 18 in.
5. Distances to: Well or suction line 100+ ft.
   Stream 50 ft.
   Pressure line 100+ ft.
   Property line 100+ ft.

Indicate North with Arrow

Complete "As Built" drawing on back of this form.

Individual Sewage System Design (Example)





Geotechnical Services Inc.	Project: Proposed Septic System	
	Location: 801 W. Mill Rd. Lincoln, NE	
	Job Number: 26L252	Date: 10-26-1998

FORM 212 3/97

Attachment C-1

Geotechnical Services Inc.

Oct. 26, 1998

Sintek Service, Co.
6710 N 7th Street
Lincoln, NE 68521

Attn: Lance Sintek

RE: PROPOSED SEWAGE DISPOSAL SYSTEM; 801 WEST MILL ROAD, LINCOLN, LANCASTER COUNTY, NE; GSI # 26L252, A-26016

Dear Mr. Sintek:

We have completed our investigation of soils for the referenced Sewage Disposal System. On Monday October 19, 1998 I met with Larry Sintek and your self in an attempt to determine the best direction to proceed with the new septic system. With further examination it was determined that the soils with the best chance of meeting the requirements for a septic system were the Colo - Nodaway, Cp soils located at the bottom of the hill and away from the house and lake. It was decided to investigate that location to determine if it was suitable for an absorption field. We tested an area approximately 650 feet up stream of the lake. It was our intent to nearly eliminate the chances of the septic discharge affecting the lake with the long drainage path or the lake ever backing up into the absorption field.

On Tuesday October 20, 1998 our firm drilled 7 locations at the referenced site. Six of those borings were approximately 1.5 feet deep and used for the percolation tests. These borings were labeled 1 through 6. The 7 boring was extended 10 feet below the surface and was used to determine the presents of free ground water or stiff glacial deposits. This boring was labeled DH-101. The locations of these borings are all showed on the boring location plan on Health Department Form C and the Attachments C-1 and C-2. The dimensions of the borings are located approximately from the property corners using a tape measure and range finder. The location of the house and garage is approximate compared to the property lines.

The boring log for DH-101 is included as attachment C-2. The boring indicates that the soils are silty clay material with no high plastic clays identified in the area to

4817 NORTH 56TH STREET
LINCOLN, NEBRASKA 68504-1720
(402) 466-8154 FAX (402) 466-8195

OMAHA • LINCOLN • GRAND ISLAND
DES MOINES • CEDAR RAPIDS • QUAD CITIES
KANSAS CITY • WICHITA • SALINA • DENVER

GEOTECHNICAL, MATERIALS & ENGINEERING ENVIRONMENTAL CONSULTANTS

receive the absorption field. There is no ground water indicated in the upper 10 feet of this site.

The holes for the percolation's tests were saturated 3 time over the duration of 3 days from when the holes were bored on Tuesday the 20th to Friday the 23rd. No water was left in any of the percolation holes over any of the nights so reading were taken for 4 hours. The percolation test was done from 8:00 AM to 12:00 noon on Friday the 23rd. The results of the percolation rate of the last 30 minutes are record on Health Department's Form B. There was a range of over 20 minutes from the fastest to the slowest so we recommend using the slowest reading for the design of the absorption field size. I the case of this site we recommend 1400 square feet. With trenches 2 feet wide this will require about 700 feet of line.

The main line to connect the tank to the lateral lines will need to extend to the west and south about 1000 feet. The main line will need to go around a narrow but deep washout just west of the house. Then trench through a clearing of the growth of small evergreen and Russian olive trees between the house and the absorption field. It is expected that the soils from the house to the absorption field area will be very stiff, glacial till (Soils Conservation Service soils type Pawnee).

If you have any questions please call me at this office.

Respectfully,
Geotechnical Services, Inc.

Wm. C. Arneson

Wm. C. Arneson, P.E.
NE Reg. E-5883

Enclosures

CC:

FILE: C:/MSOFFICE/Winword/Letters26/26L252

Attachment C-2

BORING LOG

DRILL HOLE NO.	LOCATION OF DRILL HOLE	ELEVATION	DATUM	DRILLER	LOGGER
DH-101	1350'S. & 1005'E of NW Cor. Sect.10 T.11N. & R.6E.	1258	U.S.G.S	D.J.	Wm. C. Arneson

WATER LEVEL OBSERVATIONS				TYPE OF SURFACE	DRILL RIG
WHILE DRILLING	END OF DRILLING	24 HOURS AFTER DRILLING	72 HOURS	Prairie Grass; 6" top soil	Mobile B-47
None	None	None	None.	DRILLING METHOD	TOTAL DEPTH
				5" dia. Augers	10.0.

DEP. Ft.	SAMPLE DATA: SAMPLE NO.& TYPE	"N" BLOWS /FT	% REC.	SOIL DESCRIPTION: COLOR	MOIST	CONS.	GROUP NAME	GEOLOGIC DESCRIPTION & OTHER REMARKS	LABORATORY DATA: % MC	DRY DENS pcf	qu tsf	CLASS	DEP. FT.
0				Gray	Dry	Med.	Silty Clay	Colluvial Deposit root holes					0
					Moist								
5				Brn									5
10													10
15													15
20													20
25													25
30													30
35													35

Geotechnical Services Inc.

Project	Proposed Septic System.
Location	801 W. Mill Rd., Lincoln, NE
Job No.	26L252
Date	10-26-1998

Form 216 3/90



Cp - Colo-Nodaway soil. Flooding is frequent. seasonal high water table 2 or 3 ft Colo 3 or 5 ft Nodaway

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

A

Permit Number: 983801874

Sewage Disposal System

Request for Site Clearance and Permit

Include Form B, Form C and Applicable Fees with this Application.

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

The undersigned hereby requests site clearance and permit to construct a Sewage Disposal System in conformance with appropriate resolution or ordinance, as described herein:

PLEASE PRINT OR TYPE

A. System Location (Indicate correct number and street)

Address NW 110 (1/2 Mile) Rd City Lincoln Ne NE, Zip 68522
(no rural route)

Legal Description 10 11N 6E 320 Acres
1/4 1/4 Section Township Range Subdivision Addition Block Lot

Geographical Location (if known): Longitude _____ Latitude _____

☐ Check if system mail address is not the same as the owner's address

B. Owner

Name SCOTT HUCK Signature Scott Huck

Address 1900 Sunfield City/State/Zip Lincoln Ne

☐ Check if owner designed system Home Phone _____ Work Phone 430 9922

C. Contractor

Name Suntek Liv Company Name Same

Address 6710 N 70 #5 City/State/Zip _____

☐ Check if contractor designed system Work Phone 435-8868

D. Engineer/Installer ☐ Check and complete if engineer designed system

Designer Name Suntek Firm same Work Phone 435-8868

E. This System Will Serve a

☒ Residential Dwelling +Barn Number of Bedrooms 4 Is there a Whirlpool Bathtub (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. 2832

1. **Health Department**	Date rec'd _____ Date frwd _____	**ACTION** ☐ Approved ☐ Disapproved	Signature _____
2. **Supt. Bldg. Insp. or Village Clerk**	Date rec'd _____ Date frwd _____	**ACTION** ☐ Approved ☐ Disapproved	Signature _____
3. **City or County Engineer**	Date rec'd _____ Date frwd _____	**ACTION** ☐ Approved ☐ Disapproved	Signature _____

10-16-98 rm Pamela Sink

Installation Final Written Approval

By _____

Date _____

Business Office Use Only 3030

Date Rec'd 10/16/98

Amt Paid 150.00

Rec'd By lo ~~Cash~~/Check No. 2088

FORM 23-100 10-96 White - Health Dept. Yellow - Engineer Pink - Bldg. Inspector

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

B

Permit Number: 983801874

Sewage Disposal System

Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address NW 11000 Mill Rd City Denton NE, Zip 68352
(no rural route)

Owner Scott Hoch Addresss 1900 Sunnyside Dr.

Soil Type (SCS): Clay Loam Percolation Rate: _____ min./inch

Date of Tests 5-14-98 to 5-15-98 Weather: Precipitation no Temperature 75

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	5-14	12	5-14	5PM	5-15	2PM	6	5-15	3PM	60	4 3/8	1 1/8
2	24	5-14	12	5-14	5PM	5-15	2PM	6	5-15	3PM	60	4 3/8	1 1/8
3	24	5-14	12	5-14	5PM	5-15	2PM	6	5-15	3PM	60	4 15/16	1 1/8
4	24	5-14	12	5-14	5PM	5-15	2PM	6	5-15	3PM	60	4 15/16	1 1/8
5	24	5-14	12	5-14	5PM	5-15	2PM	6	5-15	3PM	60	4 15/16	1 1/8
6	24	5-14	12	5-14	5P	5-15	2PM	6	5-15	3PM	60	4 3/8	1 1/8

Person Conducting Percolation Tests

Name: Harry Sentek
Phone: 435-6868
Address 6710 N 7 Rd
Lincoln NE 68521

Sum of Percolation Rates: _____
Average of Rates: 53 min
Rate Used for Calculation: 53

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks Possibly in Sharpsburg or Mayberry soils (patch of Pawnee clay loam in area) Note: Inspection on 10-16-98 revealed Pawnee Clay soil *

Signature of Reviewing Official Ron Mayer Date 10-15-98

FORM 23-101 10-96

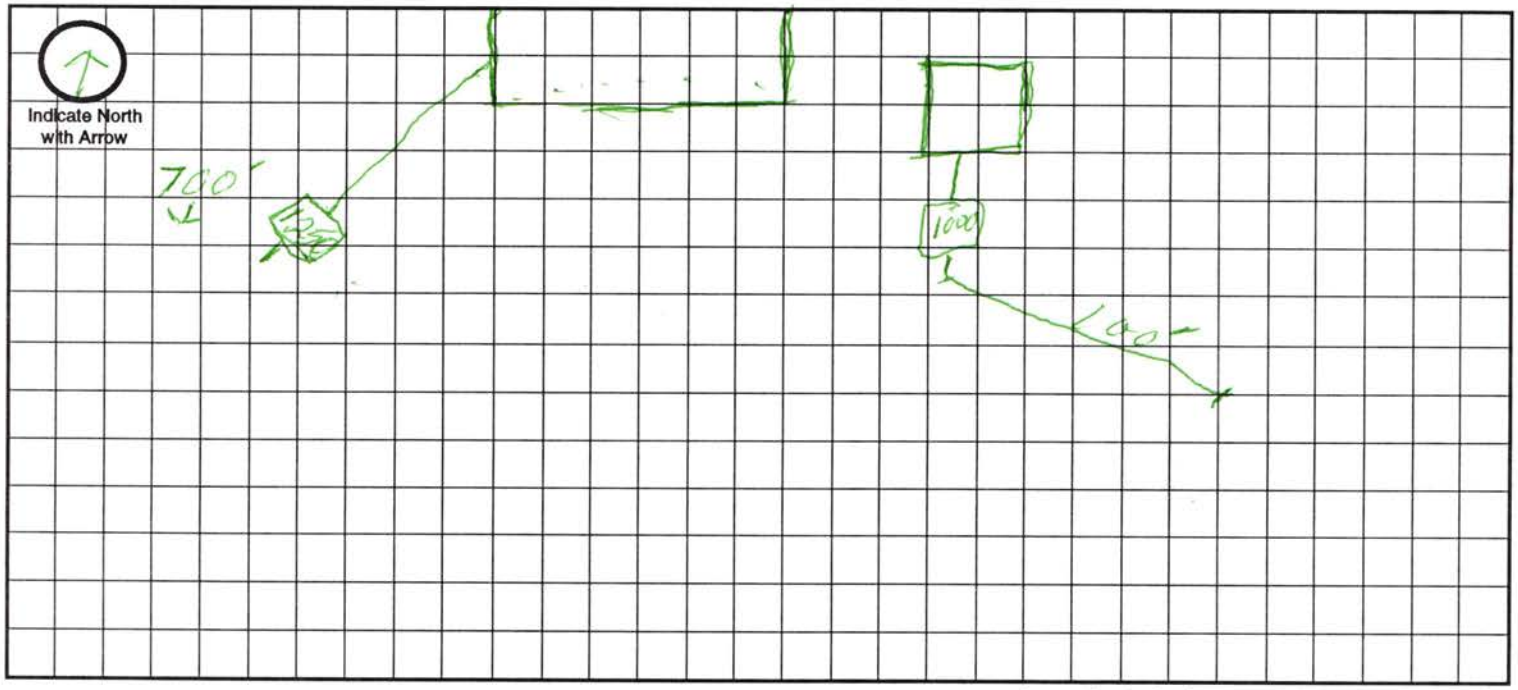
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

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) NW 1100 Milky Rd City Lincoln NE, Zip 68521

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ Plastic ☐ Other _____

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

Percolation Rate 55 (min. per inch) Soil Type: Clay loam Land Slope: _____ %

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

Total Square Feet of Field Required: 1600 (1250) sq. ft. (Black numbers are min requirement)

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

Capacity of Septic Tank 1000 (1250) gals Number of Absorption Beds: 8 Number of Distribution Laterals per Bed 7-1

Total Length of Laterals 800 (625) ft. Number of Trenches 8 (7) Trench Width 24"

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 Scott Kuck Date 5-18-98

Installer T J Smith Date 5-18-98

FORM 23-102 10-96

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

D

Permit Number:

Sewage Disposal System
As Built Plans & Specifications

Date 5-18-98

System Location (Indicate correct number and street)

Address NW 1100 Middle Rd (no rural route) City Lincoln, NE NE, Zip 68522

A. Building Sewer

Garage

1. Material: Pla
   Diameter: 4 in.
2. Distance above basement floor: [illegible] in.
   or distance below basement floor: 8 in.
3. Distance between dwelling and septic tank: 25 ft.
4. Number of clean-outs:
5. Distances to: well or suction line over 100 ft.
   stream ft.
   pressure line 50 ft.
   property line +/- 5 mi ft.

B. Septic Tank

1. Material: Conc
   Number of compartments: 1
2. Capacity: 1000 gal.
3. Factory built: ☑ Yes ☐ No
4. Manholes: Over inlet, diameter 6 in.
   Over outlet, diameter 6 in.
   Riser: ☑ above ☐ below grade 12 in.
5. Inlet: ☐ baffle ☐ tee
6. Outlet: ☐ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 12 in.
8. Distances to: Well or suction line over 100 ft.
   Stream more ft.
   Pressure line 50 ft.
   Property line ft.

C. Distribution Box

1. Material: Pla
   Number available outlets:
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: 10 ft.

D. Absorption Field

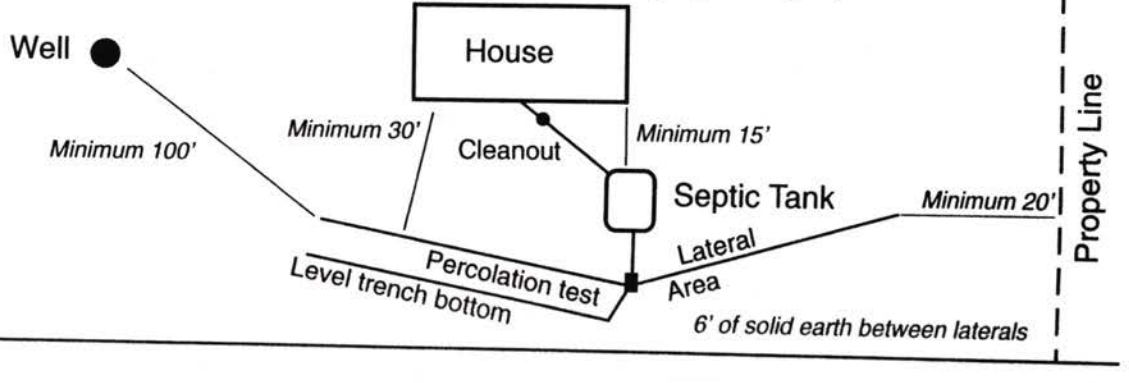
(Provide as-built drawings on back of this form)

1. Type: ☐ Half rounds ☑ Perforated pipe
   Diameter of half round:
   or perforated pipe: 4"
   Material: ☐ fiberglass ☑ plastic ☐ concrete
   ☐ other
2. Lateral lines: Number 1
   Length of each line: 100 ft. ft.
   ft. ft., ft.
3. Trench dimensions: Width 24 ft.
   Slope 4 in/100 ft.
   Average depth 18 in
4. Filter material: Road gravel
   Depth of material in.
5. Distances to: Well or suction line ft.
   Stream ft.
   Pressure line ft.
   Property line ft.

Indicate North with Arrow

Complete "As Built" drawing on back of this form.

Individual Sewage System Design (Example)



FORM 23-103 10-96