LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT

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

ENVIRONMENTAL HEALTH DIVISION

NON TRANSFERABLE

PERMIT

Permit

SEWAGE INSTALLATION
SEPTIC SYSTEM

No. 97380168001

Issued 10/30/97
Expires 04/30/98
Revenue Code 18754

Establishment

MIDAMERICA UNION CONF OF SDA
T9N R7E SEC 22
BRINKMAN'S ADDN LOT 1&2
8307 PINELAKE RD

FEES: $150.00

PAID

TOTAL $150.00

Permittee

MIDAMERICA UNION CONF OF SDA
8550 PIONEERS BLVD
LINCOLN NE 68520

Gregg Wright MO

Issued By ~~M. Jane Ford~~
Health Director

5388

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

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 8307 PINELAKE ROAD (no rural route) City LINCOLN NE, Zip 68516

Legal Description 22 9N 7E ~~LOT~~ BRINKERMAN'S ADDITION 172
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 MID AMERICA UNION CONF OF SDA Signature Connie Eyhorn, AGENT

Address 8550 PIONEERS BLVD. City/State/Zip LINCOLN, NE 68516

☐ Check if owner designed system Home Phone 421-3062 Work Phone 489-6900

C. Contractor LARRY SCHWARCK

Name SCHWARCK TRENCHING Company Name _____

Address 8200 OLD CHENEY RD City/State/Zip LINCOLN, NE 68516

☐ Check if contractor designed system Work Phone 489-7294

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

Designer Name LYLE L. LOTH Firm E-S-P Work Phone 484-5500

E. This System Will Serve a

☐ Residential Dwelling Number of Bedrooms _____ Is there a Whirlpool Bathtub YES NO

☒ Commercial Establishment/Other Facility Specify AREA DIOCESE BUILDING

Design flow in gallons per day 195 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 10/30/97 Date frwd 10/30/97 **ACTION** ☒ Approved ☐ Disapproved Signature Jerrold C. Hood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 10/30/97 Date frwd 10/30/97 **ACTION** ☒ Approved ☐ Disapproved Signature _____
3. **City or County Engineer** Date rec'd 10/30/97 Date frwd 10/30/97 **ACTION** ☒ Approved ☐ Disapproved Signature Dennis D. Burtis

11/5/97 L.C.H. TANK & DISTRIBUTION BOX

Installation Final Written Approval

By Ron Mayard

Date 12-18-97

Business Office Use Only

Date Rec'd 10/21/97

Amt Paid 150.00 cc

Rec'd By _____ Cash/Check No. 2153

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:

RECEIVED OCT 2 1 1997

CK # 2153 $150 ck

Sewage Disposal System

Soil Absorption Test Data Report

Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 84th & Pine Lake Rd. (no rural route) City Lincoln NE, Zip 68516

Owner Mid America Union Conf. of SDA Addresss 8550 Pioneers Blvd, Lincoln, NE 68516

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

Date of Tests 7-21 to 7-22-97 Weather: Precipitation — 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	32"	7/21	6:30	7/22	7:40	7/22	8:10	6	7/22	8:40	30	6⅛	⅛ 240
2								10				10½	½ 60
3								14				14¼	¼ 120
4								11⅛				11¼	⅛ 240
5								12½				12½	—
6								9½				9⅝	⅛ 240
7								10				10½	½ 60
8								11				11¼	¼ 120

Person Conducting Percolation Tests

Name: Schwarck Trenching

Phone: 489-7294

Address 8200 Old Cheney Rd.

Sum of Percolation Rates: _____

Average of Rates: _____

Rate Used for Calculation: _____

Gene 430-6996

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

Signature of Reviewing Official _____ Date _____

FORM 23-101 10-96

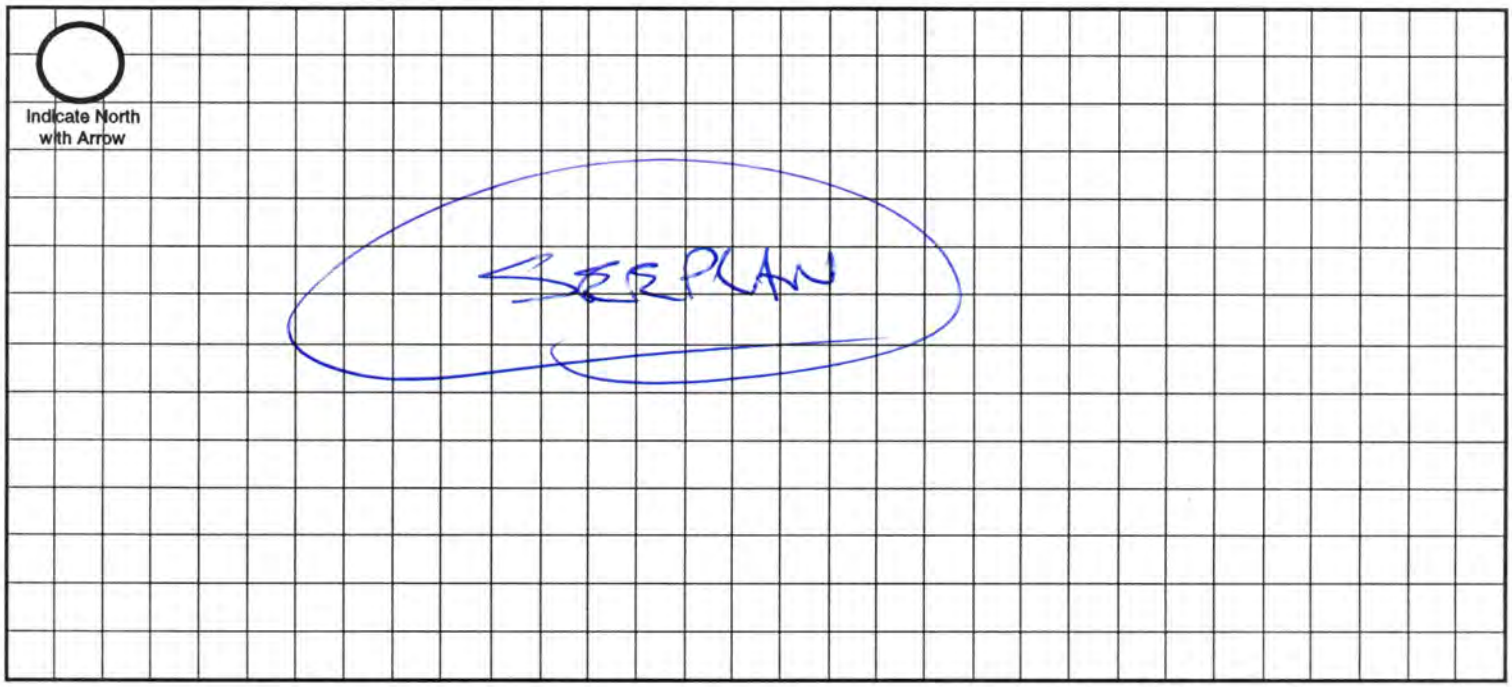
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

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) 8307 PINE LAKE ROAD City _____ NE, Zip _____

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ Plastic ☐ Other 1000 GALLON

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

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

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

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

Type of Lateral: ☐ Half-Moon ☐ Perforated Pipe ☒ Other Lateral Material: EQUALIZER 24 CHAMBERS

Capacity of Septic Tank _____ gals Number of Absorption Beds: 1 Number of Distribution Laterals per Bed 2

Total Length of Laterals _____ ft. Number of Trenches _____ Trench Width _____

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 [signature], DESIGN BUILD GROUP INC, CONTRACTOR Date 10/30/97

Installer Larry Sobieranek Date _____

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 10-21-97

System Location (Indicate correct number and street)

Address 84th & Pine Lake Road (no rural route) City Lincoln NE, Zip

A. Building Sewer

1. Material: Schedule 40 PVC
   Diameter: 4" in.
2. Distance above basement floor: — in.
   or distance below basement floor: 12 in.
3. Distance between dwelling and septic tank: 140 ft.
4. Number of clean-outs: One
5. Distances to: well or suction line 275' ft.
   stream NA ft.
   pressure line NA ft.
   property line 173 ft.

B. Septic Tank

1. Material: Concrete (Precast Step G.)
   Number of compartments: 1
2. Capacity: 1000 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter ____ in.
   Over outlet, diameter ____ in.
   Riser: ☐ above ☐ below grade ____ in.
5. Inlet: ☐ baffle ☐ tee
6. Outlet: ☐ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: ____ in.
8. Distances to: Well or suction line ____ ft.
   Stream ____ ft.
   Pressure line ____ ft.
   Property line ____ ft.

C. Distribution Box

1. Material: Concrete
   Number available outlets: 2
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 25 ft.

D. Absorption Field

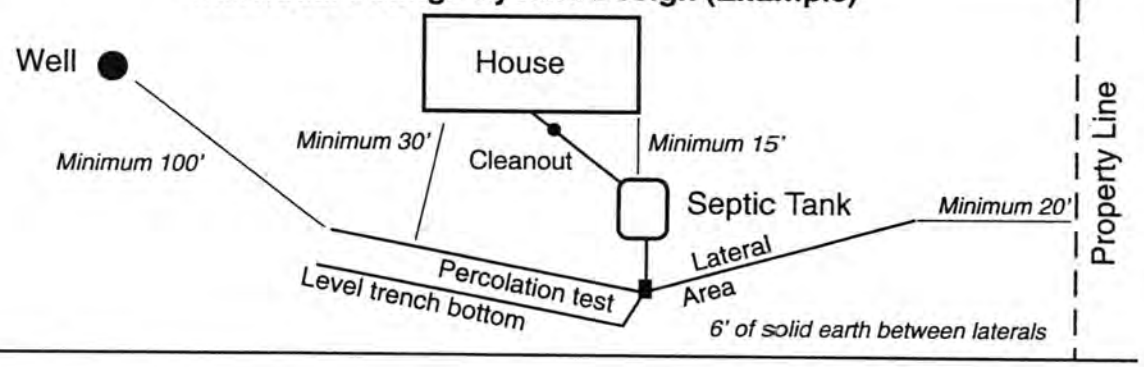
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: ____
   or perforated pipe: Equalizer 24 (Infiltrator)
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other ____
2. Lateral lines: Number 2
   Length of each line: 62 ft. 62 ft.
   ____ ft. ____ ft., ____ ft.
3. Trench dimensions: Width 10' ft.
   Slope ____ in/100 ft.
   Average depth ~~25~~ 27 in
4. Filter material: Sand
   Depth of material 24 in.
5. Distances to: Well or suction line 400 ft.
   Stream NA ft.
   Pressure line NA ft.
   Property line 90 ft.

Indicate North with Arrow

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

Individual Sewage System Design (Example)



FORM 23-103 10-96

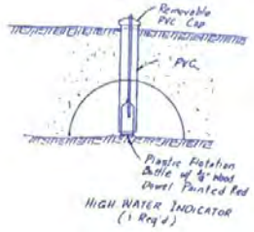
EVAPOTRANSPIRATION/ABSORPTION SYSTEM

OWNER	Mid America Union Conference of Seventh Day Adventist
ADDRESS	84th & Pine Lake Road
LEGAL	Lots 1 & 2 Brinkman's Addition NE 1/4 of Section 22, T 9 N , R 7 E , Lancaster County, NE
DESIGN FLOW	Office Staff Comprised of 10 persons @ 100 %, 5 Persons @ 40%, and 5 persons @ 20 % = 13 Full Time Staff Members Use 15 gal/person/day 15 gpcpd x 13 = 195 gallons/day
PERCOLATION RATE	240 minutes/inch
EVAPORATION LOSS	8" per year = 0.014 gal/sq ft/day
ABSORPTION RATE	Allowable Absorption based on Formula Q = 3/4T T = Percolation Rate
TOTAL LOSSES	For t = 240 min/in, Q = 0.323 gal/day 0.014 + 0.323 = 0.337 gal/sq ft/day
REQUIRED AREA	195 gal/day ÷ 0.337 = 579 sq ft 579 sq ft ÷ 93 sq ft = 7 Equalizer 24 Chambers Use 2 Rows of 7 Equalizer 24 Chambers = 14 Chambers
	Bed to be 7 x 8.333' = 62' long x 10' wide = 620 sq ft
STORAGE VOLUME	14 Chambers x 33.3 gal/chamber = 466 gal 2.04 gal/cu ft of Wicking Sand x 1600 cu ft = 3270 gal Total Storage Volume = 3735 gal

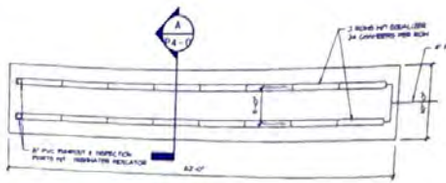
NOTE: The Contractor shall excavate an inspection pit to confirm that a 4' separation can be maintained from any seasonal water table(perched or otherwise) or impermeable clay or rock layer.

It is recommended that a water meter be installed on the water supply line so that the Owner can monitor their water use and ensure that not more than 195 gallons per day are being used.

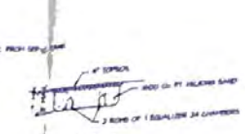
It may be necessary to adjust the orientation of the ETA beds so that the minimum(1.5') and maximum(3.0') depths are not exceeded.



HIGH WATER INDICATOR
(1 Req'd)



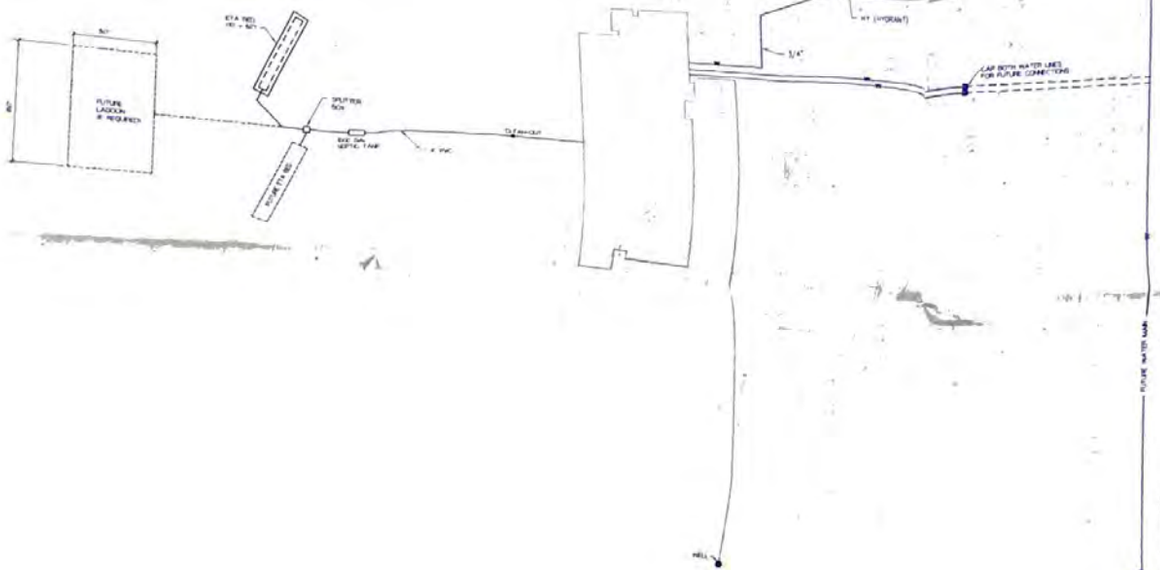
PLAN VIEW



SECTION A

ETA BED

NTS



GENERAL NOTES REGARDING ZONING REQUIREMENTS

1. THE PROPERTY IS ZONED AGR (AGRICULTURAL RESIDENTIAL DISTRICT) (CHAPTER 27.09)

2. THE BUILDING IS A PERMITTED USE IN THE AGR DISTRICT BECAUSE OF THE RELIGIOUS FUNCTION (CHURCHES 27.09.010(e)) (REFER TO ATTACHED LETTER DATED AUGUST 29, 1996)

3. THE REQUIRED FRONT YARD IS 80 FEET FROM THE CENTER LINE OF THE ABUTTING ROAD (THE SUM OF THE DISTANCE FROM CENTERLINE OF THE ABUTTING ROAD TO THE PROPERTY LINE PLUS THE REQUIRED FRONT YARD NEED NOT EXCEED 80 FEET.) (TABLE 27.09.080 (a))

4. THE REQUIRED SIDE YARD IS 15 FEET

5. THE PARKING REQUIREMENTS ARE BASED UPON SPECIAL CONDITIONS 27.67.040 (d) (10) CHURCHES "ONE SPACE PER FIFTY SQUARE FEET IN THE LARGEST ASSEMBLY HALL." THE LARGEST ASSEMBLY ROOM IN THE BUILDING IS 1520 SQ. FT. THE REQUIREMENT IS FOR 31 PARKING STALLS. 46 STALLS ARE PROVIDED

6. THE SIGN REQUIREMENTS ARE BASED UPON THE PERMITTED SIGNS IN THE AGR DISTRICT (27.69.041 (b)) NON RESIDENTIAL PREMISES. TWO GROUND SIGNS WILL BE PLACED WITHIN THE FRONT LINE, WILL NOT EXCEED 75 SQ. FT. IN AREA AND WILL BE ILLUMINATED

PLUMBING SITE PLAN

SCALE 1" = 40'-0"

DIAL BEFORE YOU DIG!

CALL 472-0547 FOR LOCATION OF UNDERGROUND TELEPHONE, ELECTRIC AND GAS MAINS

FOR CABLEVISION CALL	474-3500
FOR TRAFFIC SIGNALS CALL	471-7836
FOR WASTEWATER MAINS CALL	471-7961
FOR WATER MAINS CALL	471-7571

GENERAL NOTES

1. THE WELL PERMIT WILL BE OBTAINED FROM THE LANCASTER COUNTY HEALTH DEPARTMENT

2. THE SANITARY SEWER SYSTEM METHOD AND DESIGN WILL BE PRESENTED TO THE LANCASTER COUNTY HEALTH DEPARTMENT FOR APPROVAL AND A PERMIT

3. ALL PARKING LOT DIMENSIONS ARE TO THE BACK OF CURB UNLESS NOTED OTHERWISE

4. ALL DRIVEWAYS AND PARKING LOTS WILL BE BOUNDED BY 6" CONCRETE CURBS

Pollution Control Project
APPROVED
10-2-97

REVISIONS
DATE NO

LYLE D. [illegible]

DBG
General Contractors - Construction Managers

DAVIS DESIGN
[illegible]

TITLE: Plumbing Site Plan 9512P40BLDWG
PROJECT: New Auditoreee Building Mid-America Union Conference of Seventh-Day Adventist Lincoln, Nebraska
09/29/97

PROJECT NO	96116
DRAWN	S. Borden
CHECKED	1 2 3
DATE	09/29/97
SHEET NO	P4-0
REV NO	1