LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT

FILE NO. 1049-C

INDIVIDUAL SEWAGE SYSTEM CONSTRUCTION — TYPE OF PERMIT

November 10, 1977 — THIS PERMIT EXPIRES

Lyle Goodenkauf — ISSUED TO

916 Elmwood, Lincoln, NE 68510 — ADDRESS

T9N, R7E, Section 33, Block 4, Lot 5, Addition Southdale Acres — LEGAL DESCRIPTION

REMARKS: NON-TRANSFERABLE

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

VALID RECEIPT ONLY IF RECEIPTED IN THIS SPACE

Health — ISSUING OFFICER

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

FORM HD-40(73) REQUEST FOR SITE CLEARANCE FOR INDIVIDUAL SEWAGE DISPOSAL SYSTEM

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

LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT
Division of Environmental Health
2200 St. Marys Avenue
Lincoln, Nebraska 68502 (Phone: 475-6221)

FILE NO. 1049-C

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

DATE: _____

The undersigned hereby requests SITE CLEARANCE to construct an Individual Sewage Disposal System in conformance with appropriate resolution or ordinance, as described herein:

1. Legal description of property: Twp. T9N ; Range R7E ; Section 33
Block 4 ; Lot 5 ; Addition SOUTHDALE ACRES
Street Address 6000 SALTILLO

2. Property Use: Residential ☑ ; Commercial ☐
No. of Bedrooms 3 . Describe: _____
Other Use ☐
Describe: _____

3. Type of Individual Sewage Disposal System: Septic Tank ☐ ; Other ☑ (LAGOON)

4. Distance to public sewer: — ft.

Lyle N. Goodenkauf
Signature of Applicant (Owner or Lessee)

916 Elmwood Lincoln, Ne. 68510
Address

(Do not write below this double line)

REVIEWING ACTION

1. Health Department: Date Rec'd. 5/10/77 . ACTION: Approved ☒ Disapproved ☐
Date Frwd. 5/10/77 . Signature: Jerold C. Hood

2. Supt. Bldg. Insp.: Date Rec'd. 5-10-77 . ACTION: Approved ☒ Disapproved ☐
Date Frwd. _____ . Signature: Tom Basch

3. City or County Engineer : Date Rec'd. 5/10/77 . ACTION: Approved ☒ Disapproved ☐
Date Frwd. 5/10/77 . Signature: Allen L. Hennings

REMARKS OR REASONS FOR DISAPPROVAL _____

White: Health Dept. Copy
Yellow: Engineers Copy
Pink: Bldg. Inspector's Copy

FORM HD-42(73) APPLICATION FOR PERMIT TO CONSTRUCT INDIVIDUAL SEWAGE DISPOSAL SYSTEM

City Ordinance No. 9150 [ ]
County Resolution No. 2832 [X]

LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT
Division of Environmental Health
2200 St. Marys Avenue
Lincoln, Nebraska 68502 (Phone: 475-6221)

FILE NO. 1049-C

DATE: _____

TO: Director of Health
Lincoln-Lancaster County Health Dept.

The undersigned hereby applies for a permit to construct an Individual Sewage Disposal System in conformance with appropriate Ordinance or Resolution, as described in this application and the annexed forms attached hereto.

1. Legal description of property: Twp. T9N ; Range R7E ; Section 33 ; Block 4 ; Lot 5 ; Addition SOUTHDALE ACRES .
   Street Address 6000 SALTILLO .

2. Property Use: Residential [ ] [✓] Commercial [ ] [ ]
   No. of Bedrooms 3 Describe: _____
   Other Use _____ [ ]
   Describe: _____

3. Type of Individual Sewage Disposal System: Septic Tank [ ]; Other [✓] (LAGOON)

4. Plans and Specifications of Proposed System. (See FORM HD-45(73) PLANS & SPECIFICATIONS, SEWAGE DISPOSAL SYSTEM, attached hereto.)

5. Soil Absorption Properties. (See FORM HD-43(73) SOIL ABSORPTION TEST DATA REPORT, attached hereto).

Lyle M. Gerdeken
Signature of Applicant (owner or lessee)

916 Elmwood Lincoln, Ne. 68510
Address

(Do not write below double line)

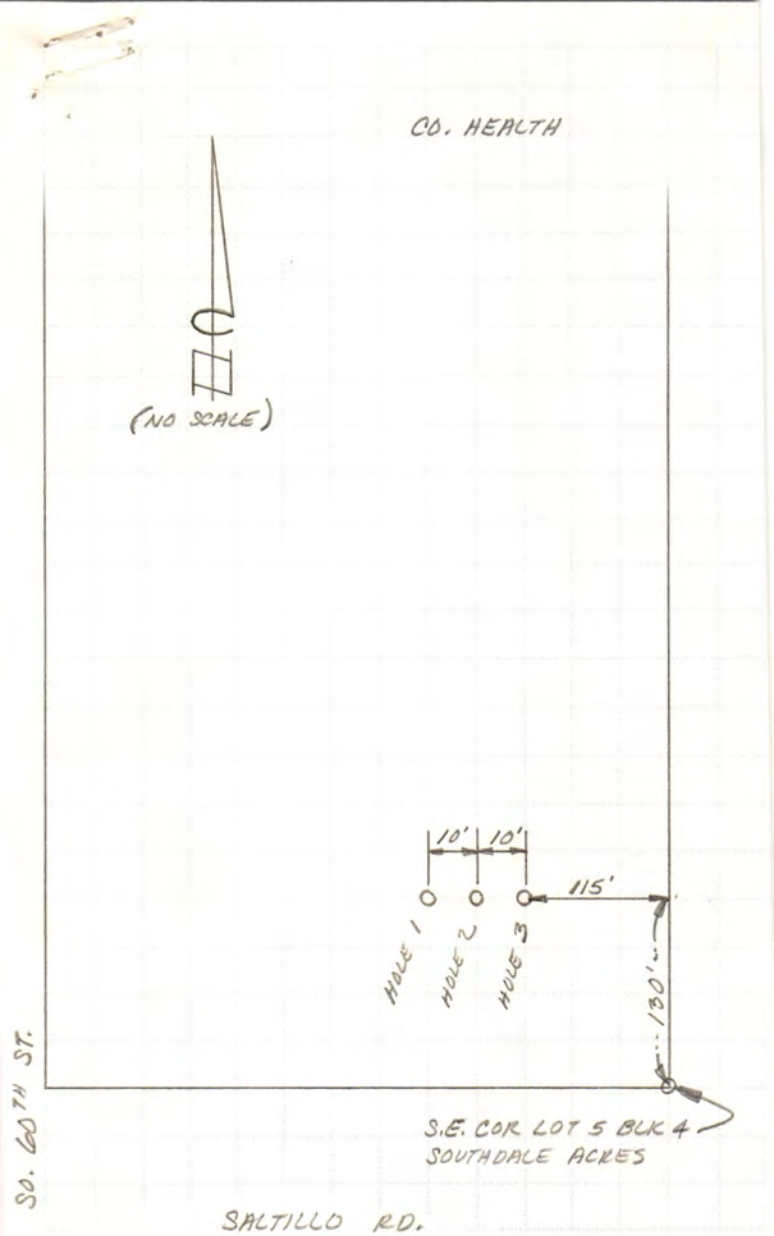
REVIEWING ACTION

1. Date Rec'd; _____
   Filing Fee: $ 30.00

2. Site Visits:
   Date: 11-7-77 by: JM
   Date: _____ by: _____
   Date: _____ by: _____

3. Date: Approved [X]; Disapproved [ ] 5/10/77
   by: Jerrold C. Hood

4. INSTALLATION FINAL WRITTEN APPROVAL
   Date: 12-77 by: Ken Mazourek



UNITED STATES GYPSUM

	#1	# 2	# 3
1:10	20 3/4	19 1/2	17 5/8
1:40	22 1/2	21 1/8	19 3/4
	1 3/8	1 1/2	1/2
2:10	23 7/8	22 5/8	20 1/4
	1 1/4	1 1/4	1
2:40	25 1/8	23 7/8	21 1/4
Add Water	20 1/4	17	15 1/2
	1 3/8	1 7/8	1 3/8
3:10	21 5/8	18 7/8	16 7/8
	1 1/2	1 7/8	1 1/2
3:40	23 1/8	20 3/4	18 3/8
	1 3/8	1 1/4	1
4:10	24 1/2	22	19 3/8
	1 1/4	1 3/8	1 1/8
4:40	25 3/4	23 3/8	20 1/2

1.25

1.375

1.125

3.750

1.250

3 | 3.750

FORM HD-43 (73) SOIL ABSORPTION TEST DATA REPORT
(Annex to Application)
(Reference: City Ordinance No. 9150 and County Resolution No. 2832)

LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT
Division of Environmental Health
2200 St. Marys Avenue
Lincoln, Nebraska 68502 (Phone 474-1541)

FILE NO. 1049-C

PROPERTY WHERE SOIL TESTED:
Location: Township T9N : Range R7E
Section & ¼ Sect. SW 1/4 SEC 33
Property Dimensions: 352.10 ft. x 610 ft.
Area: 5 acres. (Attach sketch of property showing hole location).
Soil Type: Silty Clay ; Silty Clay Loam ; Sandy Loam
Silty Loam ; Clay Loam ; Sandy Clay

Owner: LYLE N. GOODENKAUF
MAILING ADDRESS - 916 ELMWOOD LINCOLN NE 68510
TEST Address: 6000 SALTILLO

Dates of Tests: _____ to _____. Weather: Precip. _____ Temp. _____

PERCOLATION TEST DATA TABLE

a.	b.	c.	d.	e.	f.	g.	h.	i.	j.	k.	l.	m.	n.
		Pre-Saturation Period				Percolation Readings						Results	
		Start		End		Start			End				
Hold No.	Hole Depth (in.)	Date (Mo. Day)	Time (Hr. Min.)	Date (Mo. Day)	Time (Hr. Min.)	Date (Mo. Day)	Time (Hr. Min.)	Water Level (in.)	Time (Hr. Min.)	Water Level (in.)	Elapsed Time (Min.)	Water Level Drop (in.)	Percolation Rates (Min./inch)
1	30"	8-MAY-1977	1:30 PM	8-MAY-1977	5:30 PM								
2	30"	8-MAY-1977	1:30 PM	8-MAY-1977	5:30 PM								
3	30"	8-MAY-1977	1:30 PM	8-MAY-1977	5:30 PM								

Sum of Percolation Rates: _____
Average of Rates: _____
Mean of Rates: _____

Signature of Person Conducting Test

Address _____

Phone _____

(Do not write below this line)

REVIEWING ACTION

REMARKS: _____

DATE: _____

Approved Percolation Rate (a)
A. _____ min./inch
B. _____ min./inch
C. _____ min./inch

Signature of Reviewing Official

FORM HD- 45(73) PLANS & SPECIFICATIONS
SEWAGE DISPOSAL SYSTEM

(Annex to Application)
City Ordinance No. 9150 ☐
County Resolution No. 2832 ☐

LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT
Division of Environmental Health
2200 St. Marys Avenue
Lincoln, Nebraska 68502 (Phone: 475-6221)

FILE NO. 1049-C

SPECIFICATIONS

DATE: _____

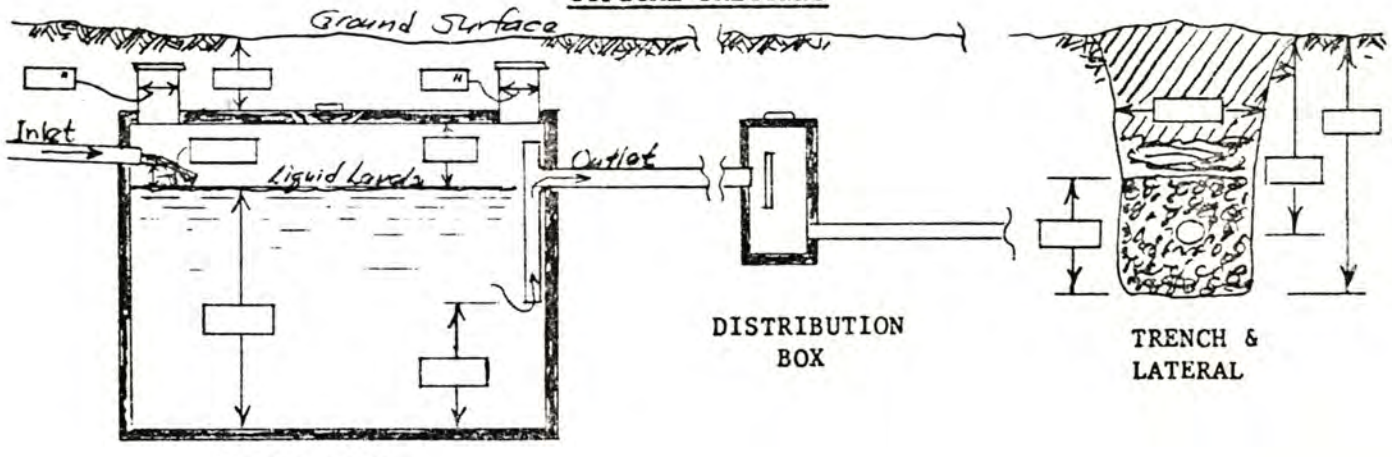
A. BUILDING SEWER:
1. Material _____; Diameter ____ in.
2. Distance above basement floor ____in.; or below basement floor ____in.
3. Distance between dwelling and septic tank ____ft.
4. Number of clean-outs _____.
5. Distances To:
Well or Suction Line ____ft.;
Stream ____ft.; Pressure Line ____ft.;
Property Line ____ft.

B. SEPTIC TANK (Provide construction drawings.)
1. Material _____; No. of compartments _____.
2. Capacity 1000 gals.; Liquid depth ____in.
3. Factory Built: Yes ☐ (Company _____)
No ☐
4. Manholes: Over Inlet; diam. ____in.
Over Outlet; diam. ___in.
Below Grade _____in.
5. Inlet: Baffle ☐; or Tee ☐
6. Outlet: Baffle ☐; or Tee ☐
Depth of outlet below inlet ___in.
7. Depth of top of tank below finished grade ____in.
8. Distances To:
Well or Suction Line ____ft.;
Stream ____ft.; Pressure Line ____ft.;
Property Line ____ft.

C. DISTRIBUTION BOX
1. Material _____; No. available outlets _____.
2. Factory Built: Yes ☐, (Company _____) No ☐
3. Dimension: Length ____in.; Width ___in. Depth ____in.
4. Distance from Septic Tank ____ft.
5. Serial Distribution: Yes ☐, No ☐ (If yes, show detailed plans.)

D. ABSORPTION FIELD: (Provide drawings.)
1. Type: _____
2. Lateral Lines: Depth below grade ___in. Number ____; Length of each line ___ft Total length of Laterals 169 ft.; Slope ____in/100 ft. Diameter of pipe ____ in.; Shape _____
Material: concrete ☐; fiber asbestos ☐; clay ☐; other _____
Distance between lateral lines ____ft.
3. Trench Dimensions: Depth ___in.; Width 48 in.
4. Filter Material: _____.
Depth of material from trench bottom _____in.
5. Distances To:
Well or Suction Line ____ft.;
Stream _____ft.; Pressure Line ____ft.
Property Line ____ft.
6. Percolation Rate: _____minutes/inch

TYPICAL SKETCHES



_____
Signature of Applicant

FORM HD- 45(73) PLANS & SPECIFICATIONS
SEWAGE DISPOSAL SYSTEM

(Annex to Application)
City Ordinance No. 9150 ☐
County Resolution No. 2832 ☐

LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT
Division of Environmental Health
2200 St. Marys Avenue
Lincoln, Nebraska 68502 (Phone: 475-6221)

FILE NO. 1049-C

SPECIFICATIONS

DATE: _____

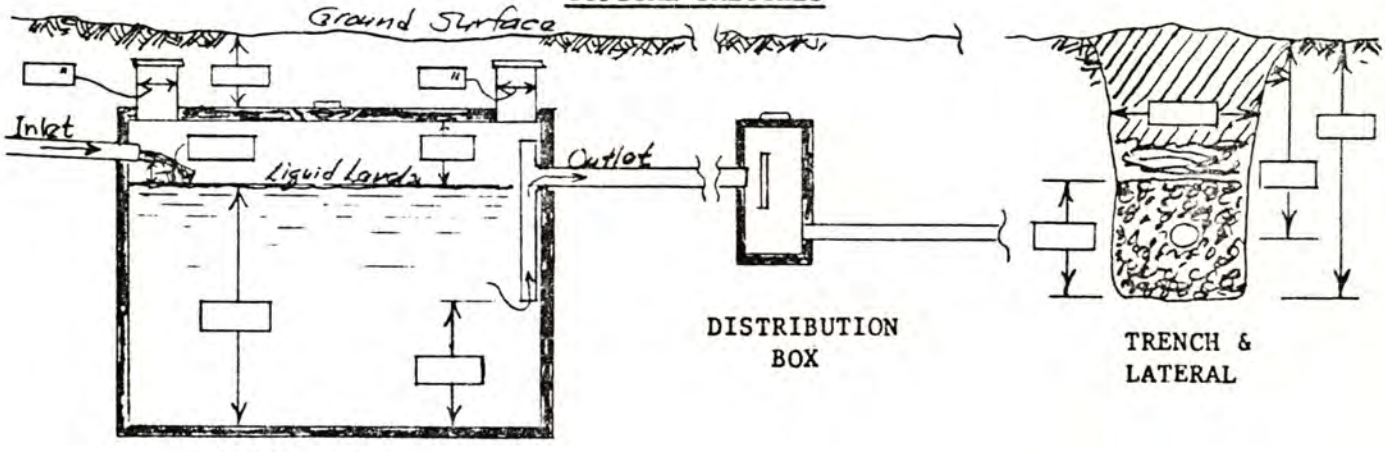
A. BUILDING SEWER:
1. Material _____; Diameter ____ in.
2. Distance above basement floor ____in.; or below basement floor ____in.
3. Distance between dwelling and septic tank ____ft.
4. Number of clean-outs _____.
5. Distances To:
Well or Suction Line ____ft.;
Stream ____ft.; Pressure Line ____ft.;
Property Line ____ft.

B. SEPTIC TANK (Provide construction drawings.)
1. Material _____; No. of compartments _____.
2. Capacity _____gals.; Liquid depth ____in.
3. Factory Built: Yes ☐ (Company _____)
No ☐
4. Manholes: Over Inlet; diam. ____in.
Over Outlet; diam. ___in.
Below Grade _____in.
5. Inlet: Baffle ☐; or Tee ☐
6. Outlet: Baffle ☐; or Tee ☐
Depth of outlet below inlet ___in.
7. Depth of top of tank below finished grade ____in.
8. Distances To:
Well or Suction Line ____ft.;
Stream ____ft.; Pressure Line ____ft.;
Property Line ____ft.

C. DISTRIBUTION BOX
1. Material _____; No. available outlets _____.
2. Factory Built: Yes ☐, (Company _____)
No ☐
3. Dimension: Length ____in.; Width ___in.
Depth ____in.
4. Distance from Septic Tank ____ft.
5. Serial Distribution: Yes ☐, No ☐
(If yes, show detailed plans.)

D. ABSORPTION FIELD: (Provide drawings.)
1. Type: _____
2. Lateral Lines: Depth below grade ___in.
Number ____; Length of each line ___ft
Total length of Laterals ____ft.;
Slope ____in/100 ft. Diameter of pipe ____ in.; Shape _____
Material: concrete ☐; fiber asbestos ☐; clay ☐; other _____
Distance between lateral lines ____ft.
3. Trench Dimensions: Depth ___in.; Width ____in.
4. Filter Material: _____.
Depth of material from trench bottom _____in.
5. Distances To:
Well or Suction Line ____ft.;
Stream _____ft.; Pressure Line ____ft.
Property Line ____ft.
6. Percolation Rate: _____minutes/inch

TYPICAL SKETCHES

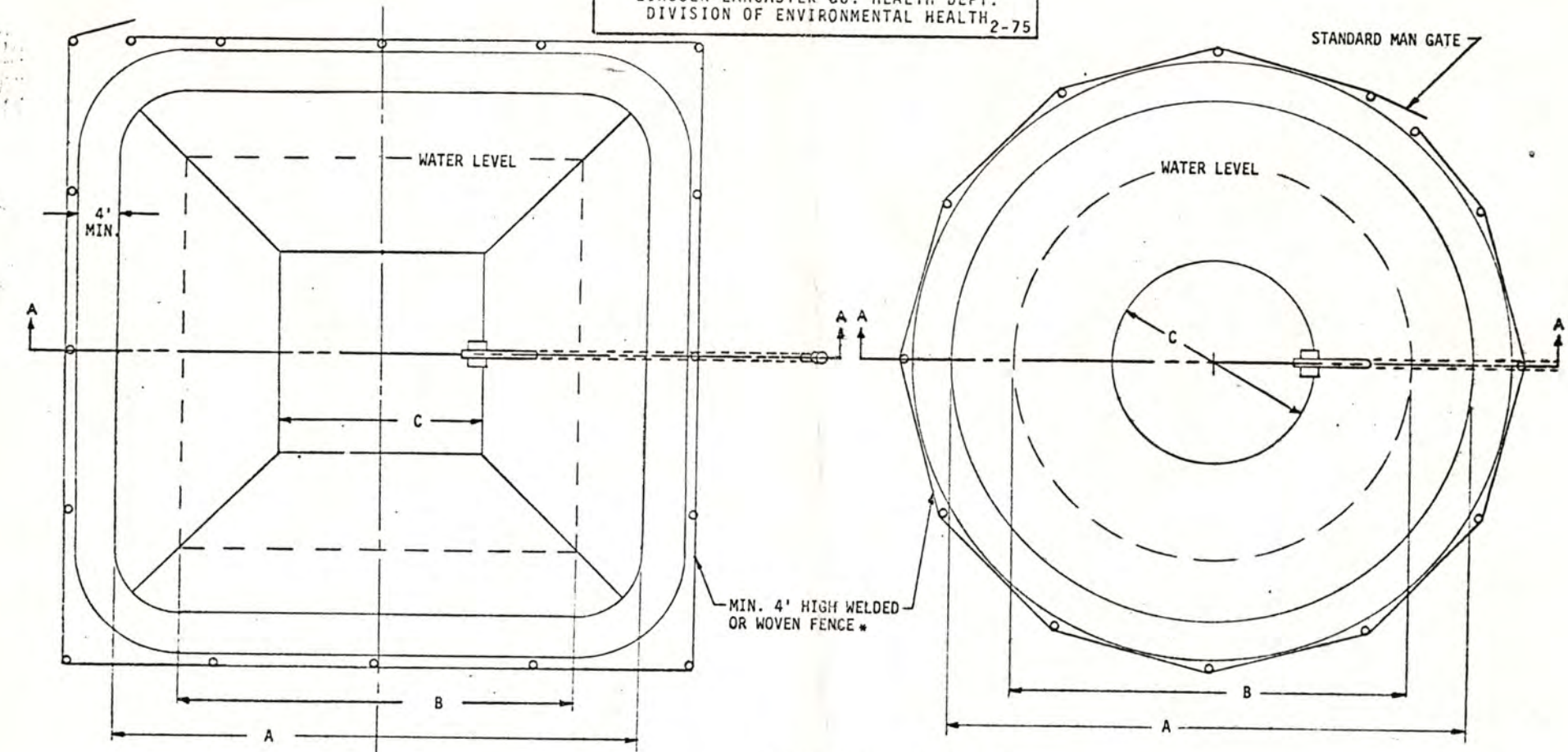


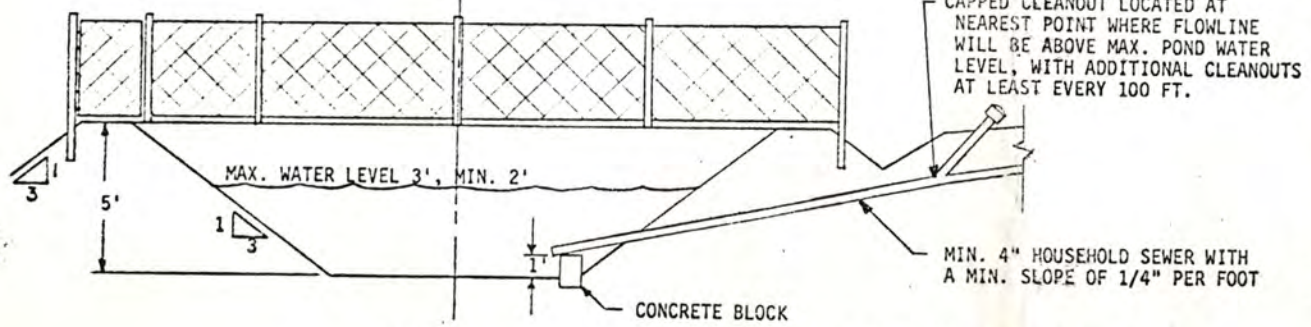
SEPTIC TANK

_____
Signature of Applicant

WASTE STABILIZATION POND

LINCOLN-LANCASTER CO. HEALTH DEPT.
DIVISION OF ENVIRONMENTAL HEALTH 2-75





SECTION VIEW A-A
(APPLICABLE TO BOTH DESIGNS)

NUMBER OF BEDROOMS IN THE HOUSE	MINIMUM LAGOON DIMENSIONS (FEET)					
	SQUARE			ROUND		
	A	B	C	A	B	C
2-3	55	43	25	52	40	22
4	61	49	31	60	48	30

ADDITIONAL INFORMATION ON BACK

*THE FENCE IS TO BE COMPLETED WITHIN 10 DAYS AFTER CONSTRUCTION APPROVAL IS RECEIVED

SIGNATURE OF APPLICANT Lyle N. Sudakamp

HD-46(75)

NOTES

LOCATION

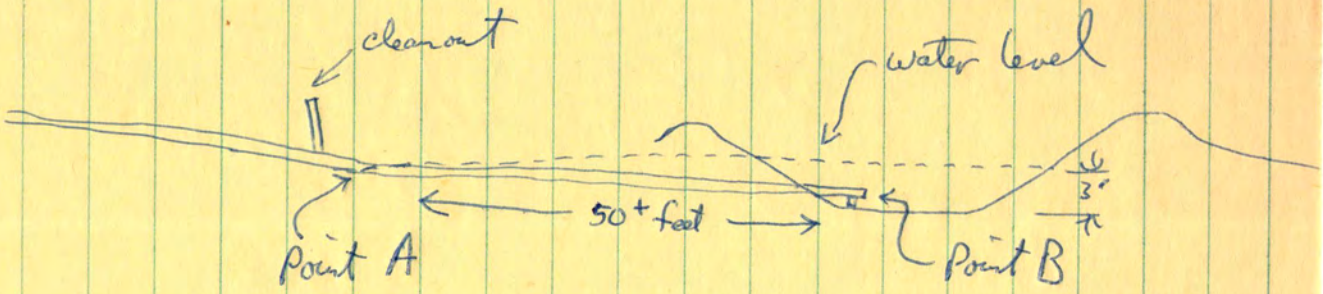
1. Waste stabilization pond bottom shall be constructed at least 2 feet above the ground water table.
2. The pond shall be located at such a site that it will not be subjected to flooding.
3. The minimum lot size shall be three acres on which the pond is located.
4. The pond shall be located a minimum of 100 feet from an existing or proposed house, 50 feet from adjacent property or public-right-of-way lines, and 100 feet from a well as measured from the inside edge of the top of the dike.

CONSTRUCTION DETAILS

1. There shall be minimum freeboard of 2 feet.
2. The minimum top width of the dike shall be 4 feet.
3. All dike slopes shall be 3 feet horizontal to 1 foot vertical.
4. Surface drainage shall be diverted around pond.
5. The fence shall be a minimum of 4 foot high woven or welded wire, with standard man gate that is kept locked. Maximum fence post spacing shall be 16 feet which shall be located on the outside edge of the dike.
6. All dike area 1 foot above the maximum water level shall be seeded with a densely-growing, short-rooted perennial grass such as blue, fescue, or brome and shall be mowed regularly.
7. The minimum inside diameter of the inlet line shall be 4 inches with a minimum slope of 1/4 inch per foot. The inlet pipe extending into the pond shall discharge at 1 foot from the bottom and shall be permanently supported at that level.
8. A depth measurement device shall be installed either within the pond or flush with the dike slope.
9. A cleanout shall be located just outside the dike above the maximum pond water level. Additional cleanouts shall be also located at least every 100 feet on the sewer line running from the dwelling to the pond.
10. The maximum water level shall be 3 feet and the minimum 2 feet. Following construction of the pond and prior to any sewage discharge, the pond shall be filled to the 3 foot level with water.
11. Pond bottom and interior dikes up to a height of 1 foot above the maximum 3' water level shall be treated with a herbicide at the manufacturer's recommended sterilization rate. Care shall be taken not to apply herbicide on dike area where grass will be seeded..
12. Lagoon shall be inspected by Lincoln-Lancaster County Health Department before being filled with water.
13. When the percolation rate is faster than 60 minutes/1 inch, the bottom and inside slopes shall be sealed with bentonite, plastic liner or other approved material.
14. Waste stabilization ponds shall be constructed such that the bottom of the pond will not be more than 5 foot below the original ground surface.
15. The area adjacent to the pond shall be kept free of shrubbery higher than 10 feet within 50 feet and of trees within 100 feet.
16. The waste stabilization pond is designed for complete retention.

Special Diagramatic Report on a Waste Stabilization Pond
In Lancaster County.

(T9N, R7E, 33, Bl4 Lot 5 Add. Southdale Acres File No. 1049-C)



Question: Will solids get from point A to point B

(Owner was contacted about this possible problem, and he felt there would be no problem with this construction.)

Ron Nugent