JUL 8 1998

A

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

Permit Number: 98 3801799

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 8500 Lightner Lane (no rural route) City Holland NE, Zip

Legal Description ~~Lot 2 Blk 3 Holland Acres~~ 2 7N 7E Holland Place B-3 L-2
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 Mark Helling Signature Mark Helling

Address City/State/Zip

☐ Check if owner designed system Home Phone Work Phone

C. Contractor

Name Regal Building Sys. Company Name Dan A. Klein

Address 2620 Park Blvd. City/State/Zip Lincoln NE 68502

☐ Check if contractor designed system Work Phone 435-3550 730-3090

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

Designer Name Lyle Loth Firm Carter & Work Inc. Work Phone

E. This System Will Serve a

☑ Residential Dwelling Number of Bedrooms 3 Is there a Whirlpool Bathtub YES ~~NO~~

☐ Commercial Establishment/Other Facility Specify

Design flow in gallons per day 450 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 7/8/98 Date frwd 7/8/98 **ACTION** ☒ Approved ☐ Disapproved Signature Gerald C. Hood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 7-8-98 Date frwd 7-8-98 **ACTION** ☒ Approved ☐ Disapproved Signature
3. **City or County Engineer** Date rec'd 7-8-98 Date frwd 7-8-98 **ACTION** ☒ Approved ☐ Disapproved Signature Jim Blaugh

Installation Final Written Approval

By Paul Hoffman

Date 7-17-98

Business Office Use Only

Date Rec'd 07/08/98

Amt Paid 150.00

Rec'd By ~~Cash~~/Check No. 10873

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

JUL 8 1998

C

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

Permit Number: 98 3801799

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.

Indicate North with Arrow

As per attached engineer drawing

Approximate Scale: _____ ft. = _____ grid line/s

A. System Location (Indicate correct number and street)

Address (no rural route) 8500 Lightner Lane City Holland NE, Zip _____

B. Proposed Septic Tank/s

Tank Material: ☐ Concrete ☐ Plastic ☐ Other _____

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

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: _____

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

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 ☐	☐

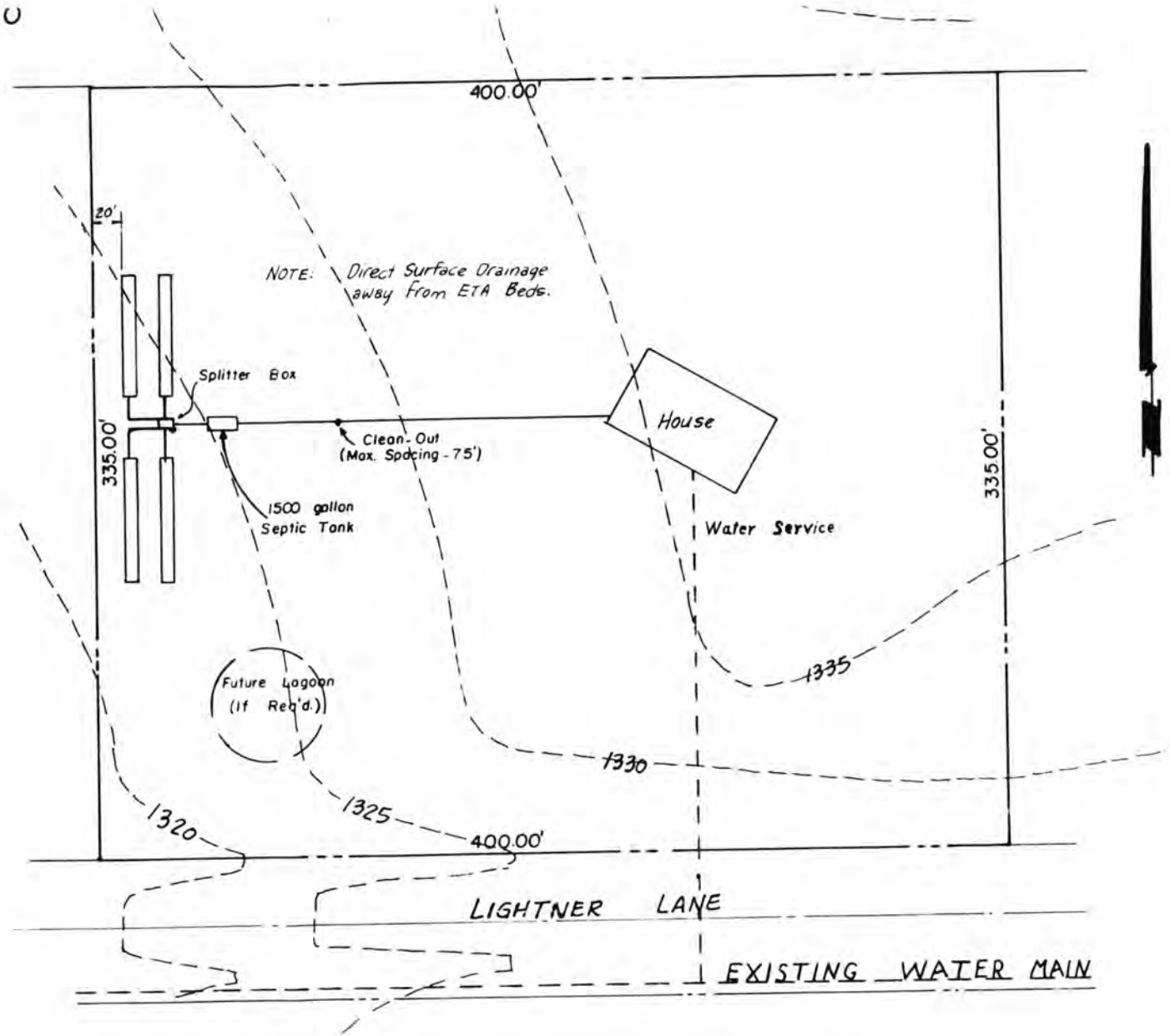
E. Required Signatures

Home Building Contractor ALREADY UNDER WAY Date _____

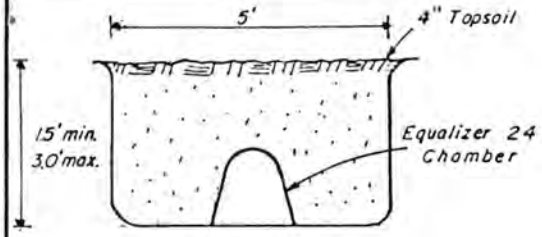
Installer Melvin F Hagen Date 7/7/98

FORM 23-102 10-96

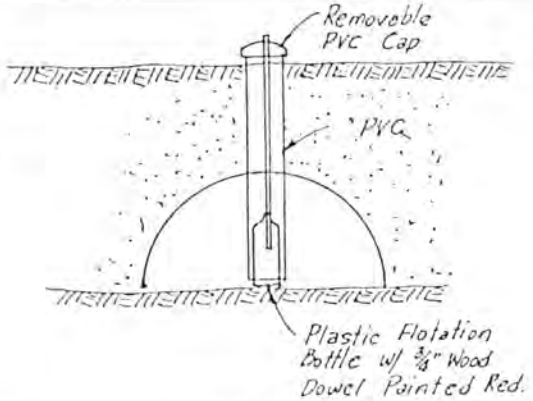
PLAN: 1=20



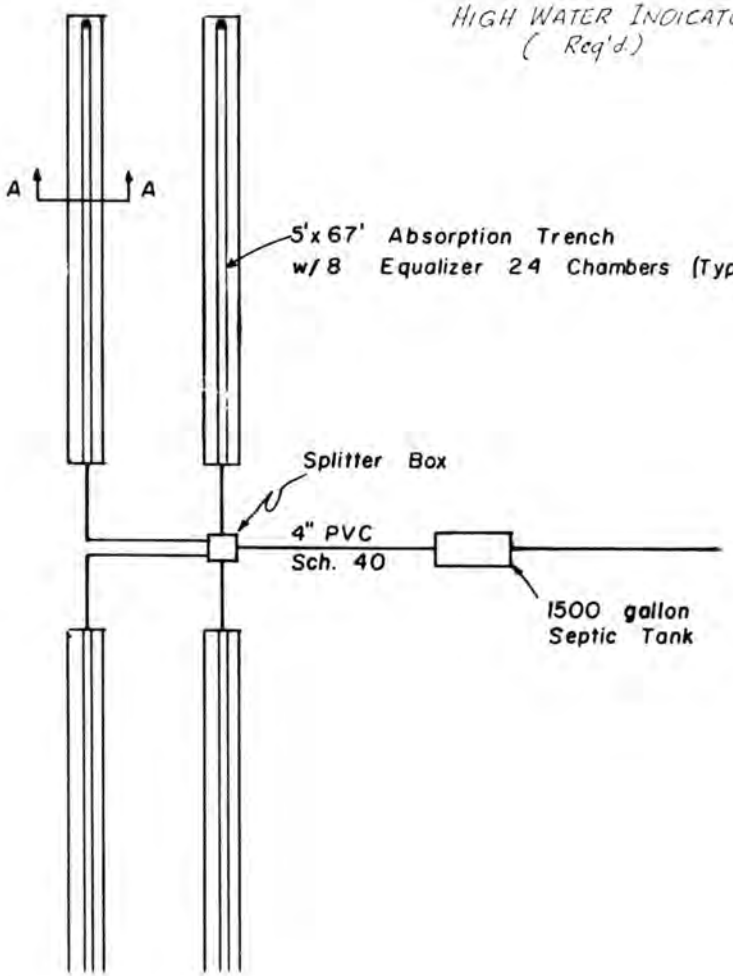
ng	EVAPORATION/TRANSPIRATION/ABSORPTION SYSTEM	**Garber & Work, Inc.** Lincoln, Nebraska ENGINEERING • ARCHITECTURE Scale: 1" = 50' Date: May 29, 1998	Drwg. No. 9585



SECTION A-A



HIGH WATER INDICATOR
(Req'd.)



EVAPOTRANSPIRATION/ABSORPT

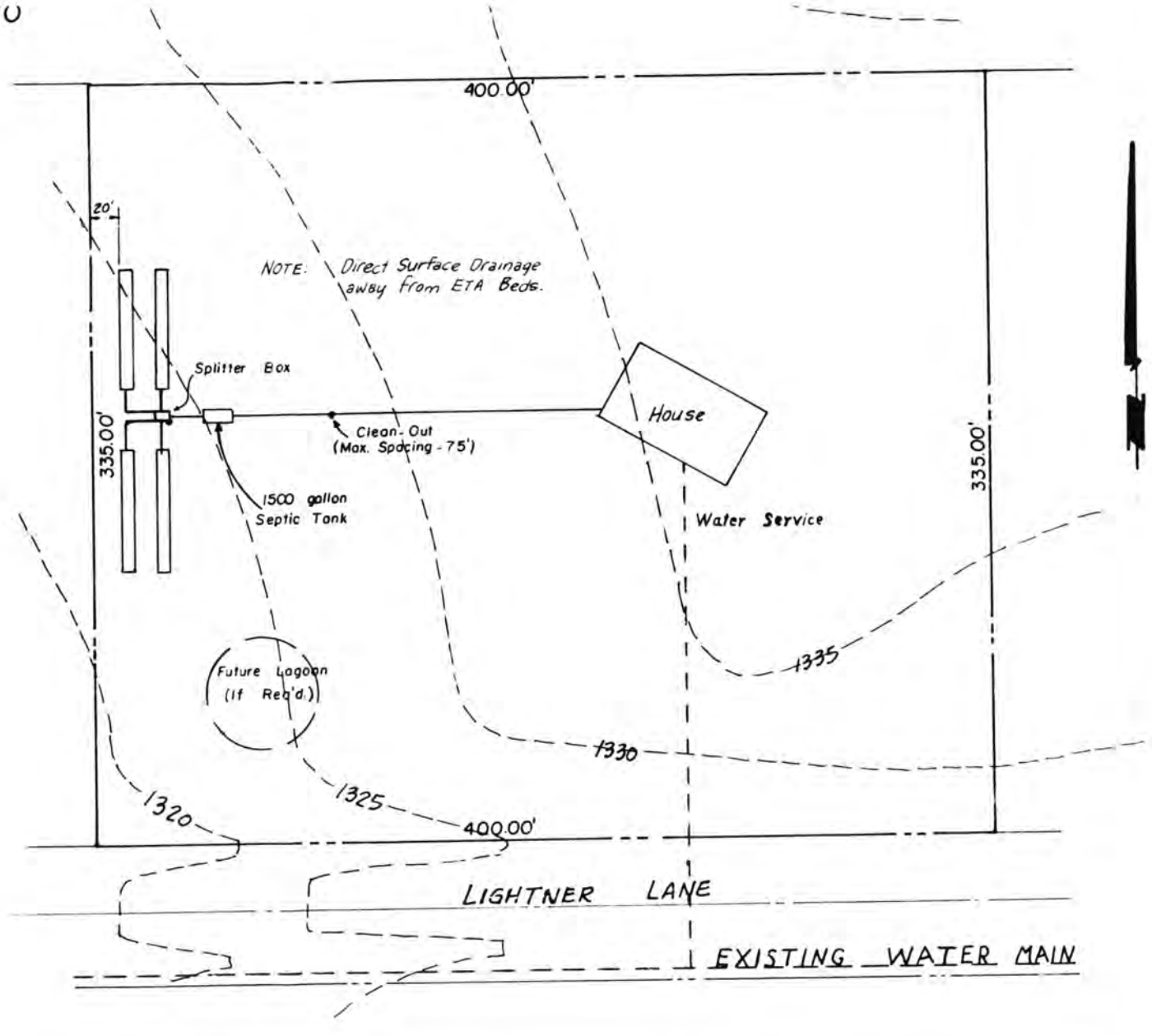
OWNER:	Mark & Lynnette Helling
ADDRESS:	8500 Lightner Lane
LEGAL:	Lot 2, Block 3 Holland Acres Section 2, T.7 N., R.7 E.
SIZE OF HOUSE:	3 Bedrooms
DESIGN FLOW:	3 BR x 150 gal/day/BR = 450
PERCOLATION RATE:	120 minutes/inch
EVAPORATION LOSS:	8" per year = 0.0135 gal/sq ft
ABSORPTION RATE:	Allowable Absorption based on $Q = 5/\sqrt{t}$ t = Percolation Rate For t = 120 min/in, Q = 0.45
TOTAL LOSSES:	0.013 + 0.456 = 0.469 gal/sq
REQUIRED AREA:	450 gal/day ÷ 0.469 = 960 sq 960 sq ft x 25% = 240 sq ft I 240 sq ft ÷ 10.42 sq ft per ch
	Use 4 trenches with 8 Equalizer
	Each Trench to be 5' wide x 6
	32 Equalizer 24 Chambers @ 3 2.04 gal/cu ft of Wicking Sand Total Storage Volume = 6243

NOTE: The Contractor shall excavate an inspection pit to c maintained from any seasonal water table (perched or other layer.

It is recommended that a water meter be installed on t can monitor their water use and ensure that not more than 6

It may be necessary to adjust the orientation of the tr and maximum (3.0') depths are not exceeded.

PLAN: 1"=20'

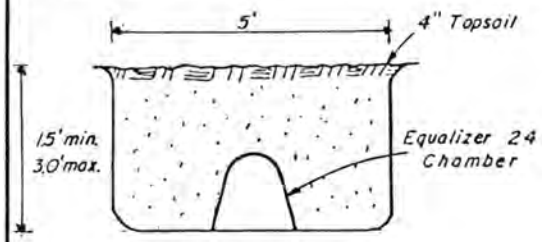


EVAPORATION/TRANSPIRATION/ABSORPTION SYSTEM

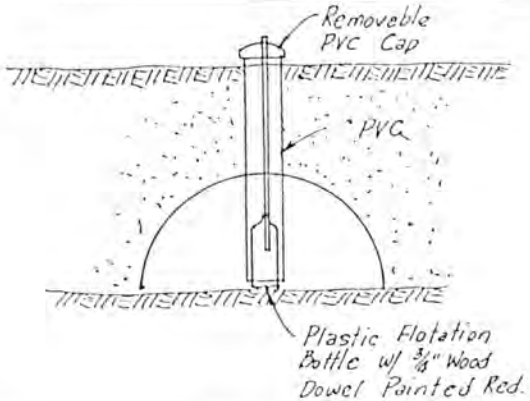
Garber & Work, Inc. Lincoln, Nebraska
ENGINEERING • ARCHITECTURE

Scale: 1" = 50' Date: May 29, 1998

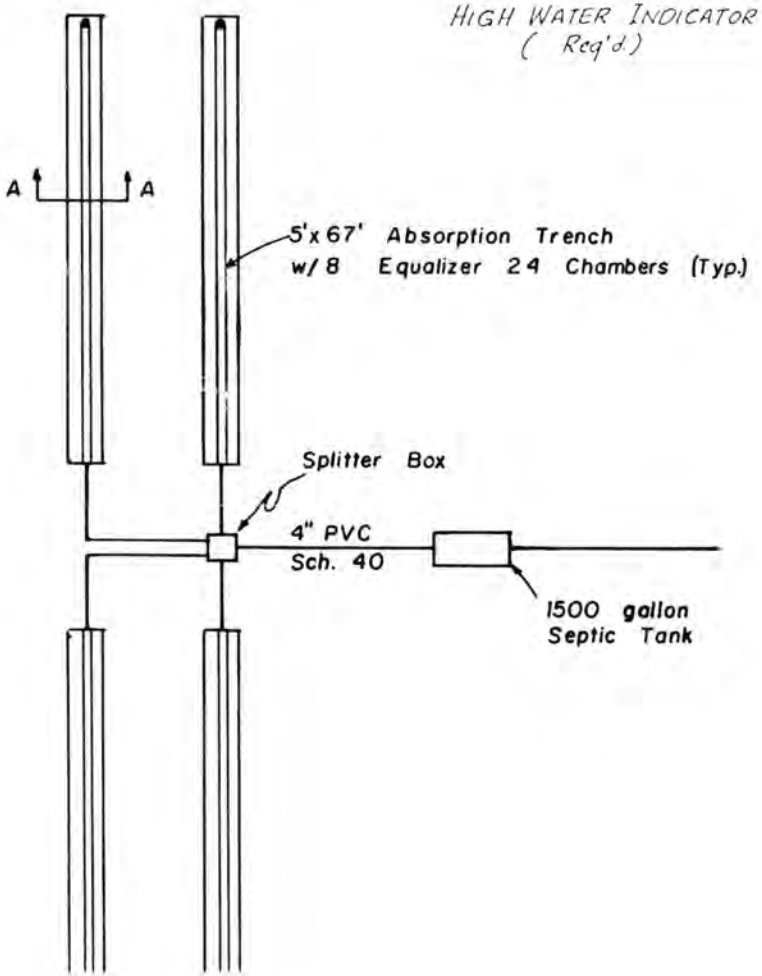
Drwg. No. 9585



SECTION A-A



HIGH WATER INDICATOR
(Req'd.)



EVAPOTRANSPIRATION/ABSORPT

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

D

Permit Number: 98380179 9

Sewage Disposal System

As Built Plans & Specifications

Date July 16-98

System Location (Indicate correct number and street)

Address 8500 Lightner Lane (no rural route) City Holland NE, Zip _____

A. Building Sewer

1. Material: PVC
   Diameter: 4" in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 1' in.
3. Distance between dwelling and septic tank: 66' ft.
4. Number of clean-outs: 1
5. Distances to: well or suction line NA ft.
   stream _____ ft.
   pressure line _____ ft.
   property line _____ ft.

B. Septic Tank

1. Material: Concrete
   Number of compartments: _____
2. Capacity: 1500 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: 12 in.
8. Distances to: Well or suction line NA ft.
   Stream _____ ft.
   Pressure line _____ ft.
   Property line _____ ft.

C. Distribution Box

1. Material: Plastic
   Number available outlets: 7
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 118' ft.

D. Absorption Field

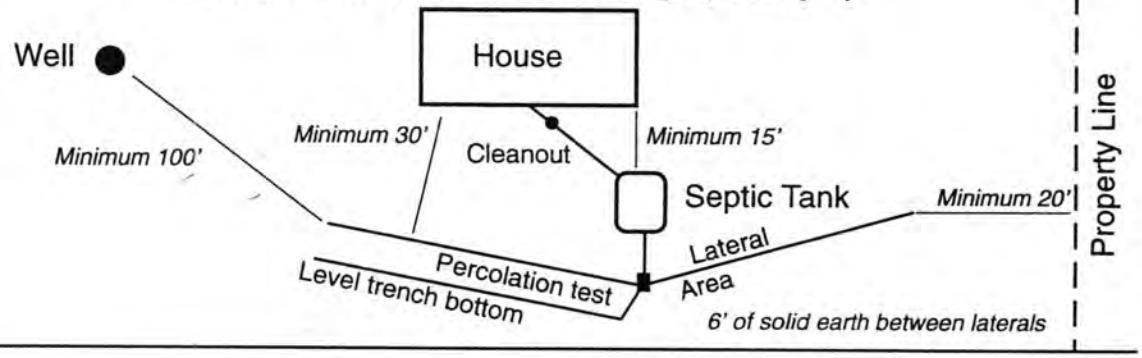
(Provide as-built drawings on back of this form)

1. Type: ☐ Half rounds ☐ Perforated pipe
   Diameter of half round: Infiltrators
   or perforated pipe: _____
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other _____
2. Lateral lines: Number 4
   Length of each line: 70 ft. 70 ft.
   _____ ft. 70 ft., 70 ft.
3. Trench dimensions: Width 5' ft.
   Slope .05 in/100 ft.
   Average depth 24" in
4. Filter material: Wicking Sand
   Depth of material 16" in.
5. Distances to: Well or suction line NA ft.
   Stream _____ ft.
   Pressure line _____ ft.
   Property line over 20' ft.

Indicate North with Arrow

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

Individual Sewage System Design (Example)



FORM 23-103 10-96

LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

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

NON TRANSFERABLE

PERMIT

No. 98380179901

Permit
SEWAGE INSTALLATION
OTHER

PAID

Issued 07/08/98
Expires 01/08/99
Revenue Code 3157

FEES: $150.00

Establishment
REGAL BUILDING SYSTEMS
T7N R7E SEC 2
HOLLAND ACRES BLK 3 LOT 2
8500 LIGHTNER LN

TOTAL $150.00

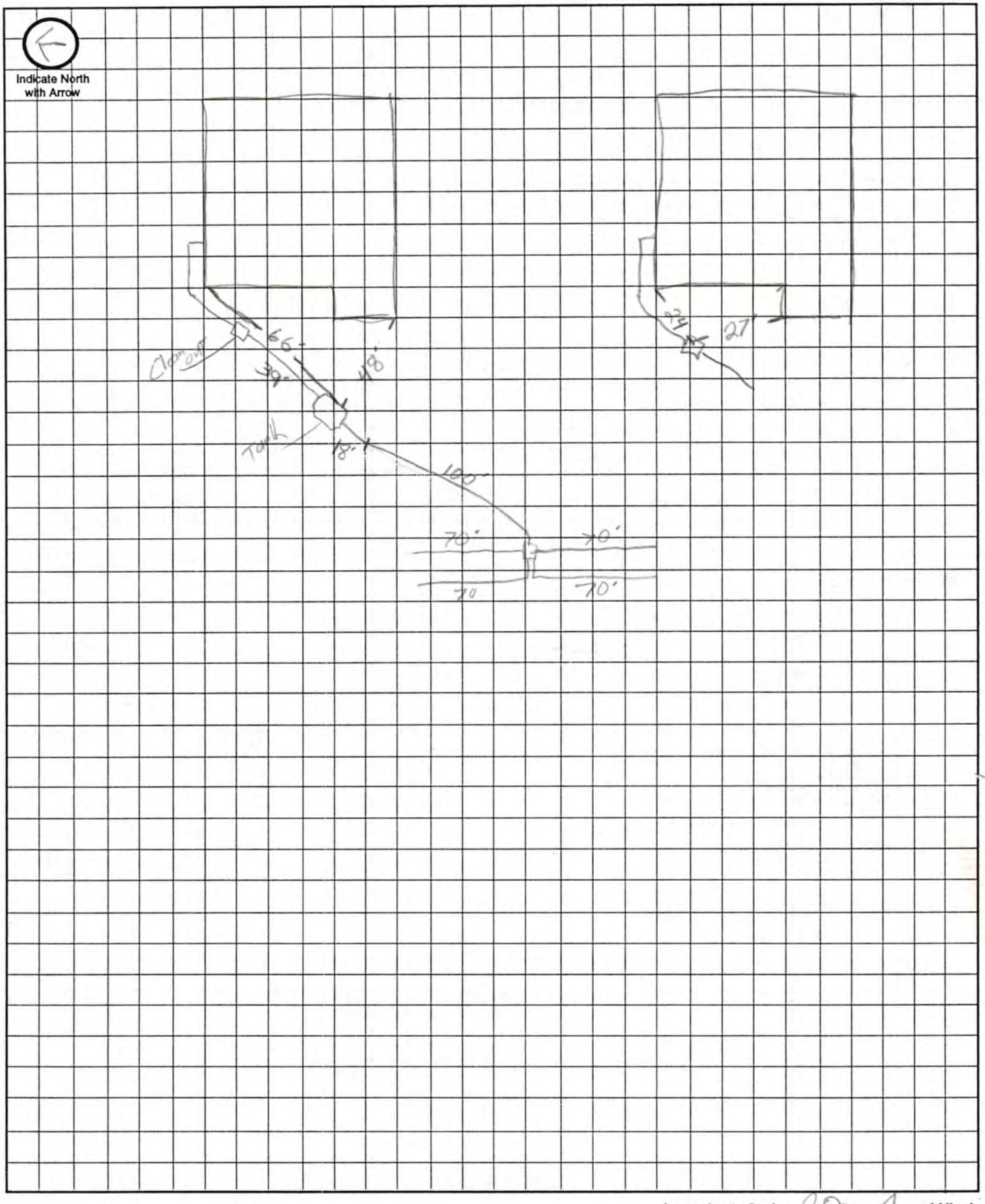
Permittee
REGAL BUILDING SYSTEMS
2610 PARK BLVD
LINCOLN NE 68502-3333

Issued By Health Director
Lincoln-Lancaster County Health Department

007824

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

As Built Drawing



Approximate Scale: 20 ft. = 1 grid line/s