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. 97380153501

Issued 02/05/97
Expires 07/05/97
Revenue Code 18754

Establishment

MARK LINDGREN
T8N R7E SEC 22
LEISURE LAKE EST 1ST BLK 1 LOT 2
16800 S 72 STREET

FEES: $150.00

TOTAL $150.00

Permittee

MARK LINDGREN
6013 DOGWOOD CIR
LINCOLN NE 68516

Issued By M. Jane Ford
Health Director

3147

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 16800 South 72nd St. (no rural route) City Hickman NE, Zip 68372

Legal Description Leisure Lake Estates 1st Addition, Bk 1, Lot 2, Lancaster Co., Nebraska. 1/4 1/4 Section 22 Township 8N Range 7E Subdivision Addition Block 1 Lot 2

Geographical Location (if known): Longitude _____ Latitude _____

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

B. Owner

Name Mark & Lori Lindgren Signature _____

Address 6013 Dogwood Circle City/State/Zip Lincoln, NE 68516

☐ Check if owner designed system Home Phone 4881952 Work Phone _____

C. Contractor

Name Brad Southwick Company Name Southwick Sewer & Drain

Address 17201 So 72 City/State/Zip Hickman, Ne 68372

☒ Check if contractor designed system Work Phone 475-2462 / 430-7606

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

Designer Name _____ Firm _____ Work Phone _____

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 _____ 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 2/3/97 Date frwd 2/4/97 ACTION ☒ Approved ☐ Disapproved Signature Jerrold C. Hood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd _____ Date frwd 2/4/97 ACTION ☒ Approved ☐ Disapproved Signature _____
3. **City or County Engineer** Date rec'd 02/04/97 Date frwd _____ ACTION ☒ Approved ☐ Disapproved Signature _____

Installation Final Written Approval

By _____

Date 4/11/97

Business Office Use Only 3055

Date Rec'd 2/3/97

Amt Paid $150.00

Rec'd By CW Cash/Check No. 3844

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

Rural Water

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 16800 SOUTH 72ND STREET (no rural route) City HICKMAN NE, Zip 68372

Owner Mark & Lori Lindgren Addresss 6013 DOGWOOD CIRCLE, LINCOLN, NEBRASKA 68516

Soil Type (SCS): WTC2 Percolation Rate: 60 / in min./inch

Date of Tests 8-16 to 8-17-92 Weather: Precipitation 0 Temperature 80s

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	36	8/16	2:00	8/17	6:30	8/17	8:45	15 3/8	8/17	9:15	30	1/2	60
2			PM		AM		AM	15 3/4		AM		1/2	60
3								22 3/4				3/4	40
4								20 1/4				5/8	48
5								16 1/4				1/2	60
6								14 1/2				5/8	48

Sum of Percolation Rates: 316
Average of Rates: 53
Rate Used for Calculation: 60

Person Conducting Percolation Tests

Name: Brad Southwick
Phone: 475-2462 / 430-7606
Address 17201 So. 72
Hickman, Ne 68372

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks

Signature of Reviewing Official Jerrold C. Hood Date FEBRUARY 3, 1997

FORM 23-101 10-96

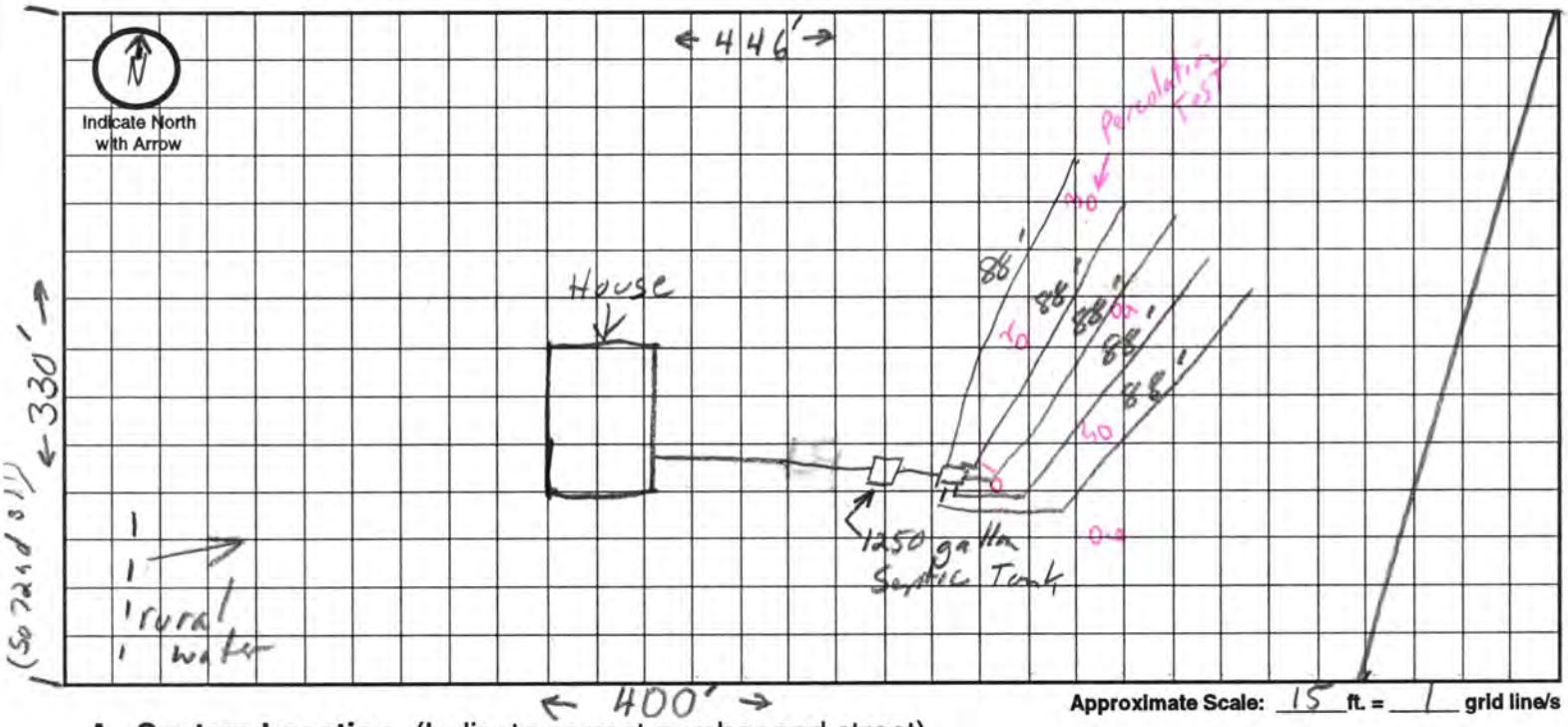
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

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: 15 ft. = 1 grid line/s

A. System Location (Indicate correct number and street)

Address (no rural route) _____ City _____ NE, Zip _____

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ Plastic ☐ Other _____

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

Percolation Rate 60 (min. per inch) Soil Type: WFC 2 Land Slope: _____ %

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

Total Square Feet of Field Required: 1320 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 440 ft. Number of Trenches 5 Trench Width 3'

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 Pickel & Son Const. Inc. / Rick Pickel Date 2-3-97

Installer Broad Southwick - Southwick Sewer & Drain Date 12-18-96

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 6-11-97

System Location (Indicate correct number and street)

Address 16800 So 72nd (no rural route) City Hickman NE, Zip 68372

A. Building Sewer

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

B. Septic Tank

1. Material: Concrete
   Number of compartments: 1
2. Capacity: 1250 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter 6X8 in.
   Over outlet, diameter 6X8 in.
   Riser: ☐ above ☐ below grade _____ in.
5. Inlet: ☒ baffle ☐ tee
6. Outlet: ☒ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 14 in.
8. Distances to: Well or suction line NA ft.
   Stream > 50 ft.
   Pressure line NA ft.
   Property line > 20 ft.

C. Distribution Box

1. Material: PVC
   Number available outlets: 5
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 20 ft.

D. Absorption Field

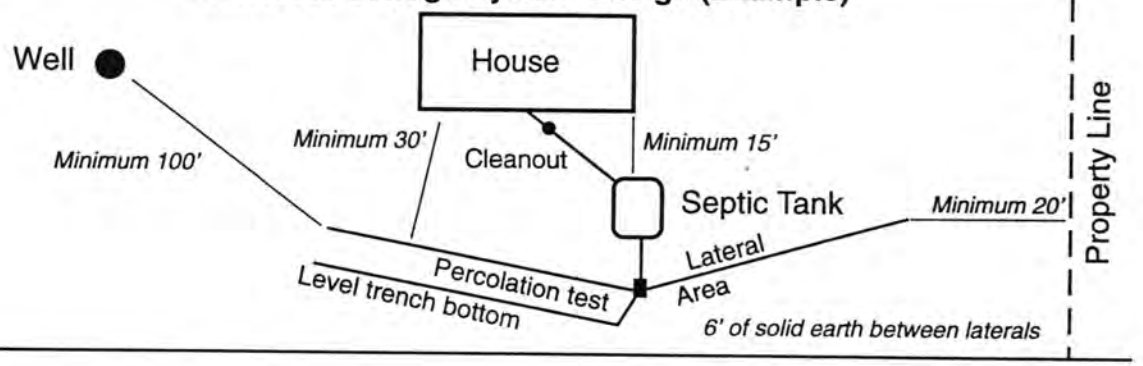
(Provide as-built drawings on back of this form)

1. Type: ☐ Half rounds ☒ Perforated pipe
   Diameter of half round: _____
   or perforated pipe: 4"
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other _____
2. Lateral lines: Number 5
   Length of each line: 100 ft. 100 ft.
   100 ft. 70 ft., 70 ft.
3. Trench dimensions: Width 3 ft.
   Slope 4 in/100 ft.
   Average depth 36 in
4. Filter material: Road Gravel
   Depth of material 12 in.
5. Distances to: Well or suction line NA ft.
   Stream > 50 ft.
   Pressure line NA ft.
   Property line > 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

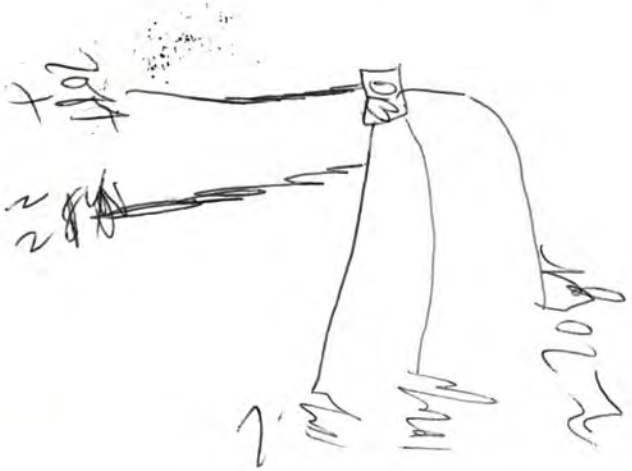
16800 Seepage Line 4/11/97

SEPTIC SYSTEM CHECK-OFF LIST

1. House to tank 15 Ft. — operates
2. Tank - # of openings, High/lower (12 inch cover) O/L — 2 foot Cover-dirt
3. Distrubution Box (level) — yes +
4. Cleanouts - before tank (75 Ft.) — 75ft - From house, Seal 60'
5. type of pipe ~~2120~~ - Sch #40 2241
6. Not deeper than 5 Ft. (Rec'd 3 Ft.)
7. Laterals level, not more than 6 in. drop 100 Ft.
8. 6 Ft. of soil between laterals
9. 6 inches gravel below, 2 inches in ~~sand~~ Above
10.
11.
12.
13. Lateral from property line - 20 Ft. — according to "D"
14. Lateral to well - 100 Ft. — Unknown
15. Well to tank - 50 Ft. — Unknown
16. Sewer line to well run 10 Ft. rec'd 50 Ft.
17. Area (length & width)

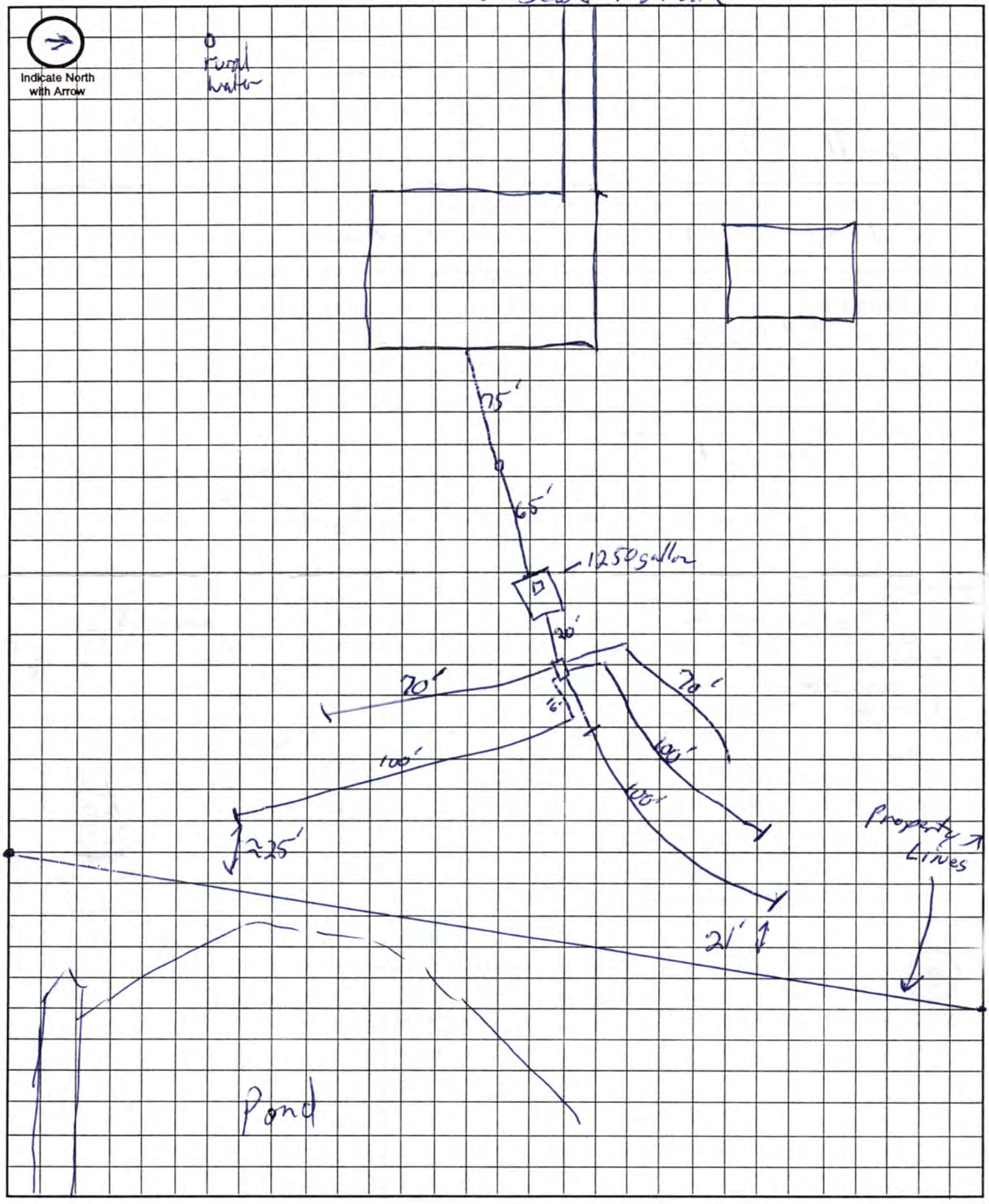
SEP2503/1

3ft
3ft "
3ft deep



As Built Drawing

Southwick Sewer + Drain



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