Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET - LINCOLN, NE 68510-1514

002777

(402) 441-8000

Permit SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 03380265301

Issued 06/18/03
Expires 12/18/03
Revenue Code 3157

Establishment RALLIS CONSTRUCTION INC
T9N R5E SEC 13 QTR SE
TIMBERLINE ESTS BLK 1 LOT 4
6401 ALPINE RD

FEES: $200.00

Permittee RALLIS CONSTRUCTION INC
6230 BLACK FOREST DR
LINCOLN NE 68516

TOTAL: $200.00

Bruce D. Dart

Bruce D. Dart, Health Director

EPH COPY

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

A

Permit Number: 03380265301

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 6401 Alpine Rd (no rural route) City Lancaster Co. NE, Zip

Legal Description 49 SE¼ 13-9-5 Timber Line Estates 1 4
(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 Rallis Const. Inc. Signature John Rallis

Address 6230 Black Forest Dr City/State/Zip Lin Ne 68516

☐ Check if owner designed system Home Phone Work Phone

C. Contractor

Name Capitol City Trenching Company Name

Address 2141 W. Alum City/State/Zip Lin. Ne 68522

☐ Check if contractor designed system Work Phone 476 6313

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 6/18/03 Date frwd 6/23/03 ACTION ☒ Approved ☐ Disapproved Signature Jerrold C. Hood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 6-23-03 Date frwd 6-23-03 ACTION ☒ Approved ☐ Disapproved Signature
3. **City or County Engineer** Date rec'd 06/23/2003 Date frwd ACTION ☒ Approved ☐ Disapproved Signature

9/26 Tank line lateral – Need D

Installation Final Written Approval

By Doug Arnold

Date 10/27/03

Business Office Use Only

Date Rec'd 06/19/03

Amt Paid 200.00

Rec'd By ~~Cash~~/Check No. 8764

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

Lincoln-Lancaster County Health Department
Environmental Health Division
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Phone: 402-441-8022

B

Permit Number: 033802653

Sewage Disposal System

Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 6401 Alpine Road (no rural route) City Lincoln NE, Zip

Owner Addresss

Soil Type (SCS): Varies Clay to Silty Clay Percolation Rate: min./inch

Date of Tests 5/28 to 5/29 Weather: Precipitation None 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	37	5/28	3:00	5/29	3:00	5/29	6:30	28 1/2	5/29	7:00	30	1/8	240
2	36	5/28	3:00	5/29	3:00	5/29	6:30	31 3/16	5/29	7:00	30	3/4	40
3	39	5/28	3:00	5/29	3:00	5/29	6:30	31 9/16	5/29	7:00	30	3/4	40
4	37	5/28	3:00	5/29	3:00	5/29	6:30	26 1/4	5/29	7:00	30	1/2	60
5	38	5/28	3:00	5/29	3:00	5/29	6:30	26 7/8	5/29	7:00	30	3/8	80
6	38	5/28	3:00	5/29	3:00	5/29	6:30	30 7/8	5/29	7:00	30	7/8	34
	Absorption System should be placed Along holes												
	#2, #4 & #6 As close as drop will allow.												
	Hole #1 & #5 Are close to natural Drainage Line												
	Soils Are much Heavier near Drainage Line.												

Person Conducting Percolation Tests

Name: Claude Oie PE3939
Phone: 423-0614 - 479-4532
Address 5910 So 52nd St. Ct.
Lincoln Ne. 68516

Sum of Percolation Rates: 488 + 174
Average of Rates: 82.3 + 43.5
Rate Used for Calculation:

* Results without holes #1 & #5

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks CAN AVOID AREAS OF HOLES 1 & 5 (SEE PRELIMINARY DRAWING)

Signature of Reviewing Official Jerrold C. Hood R.E.H.S. Date JUNE 18, 2003

FORM 23-101 10-96

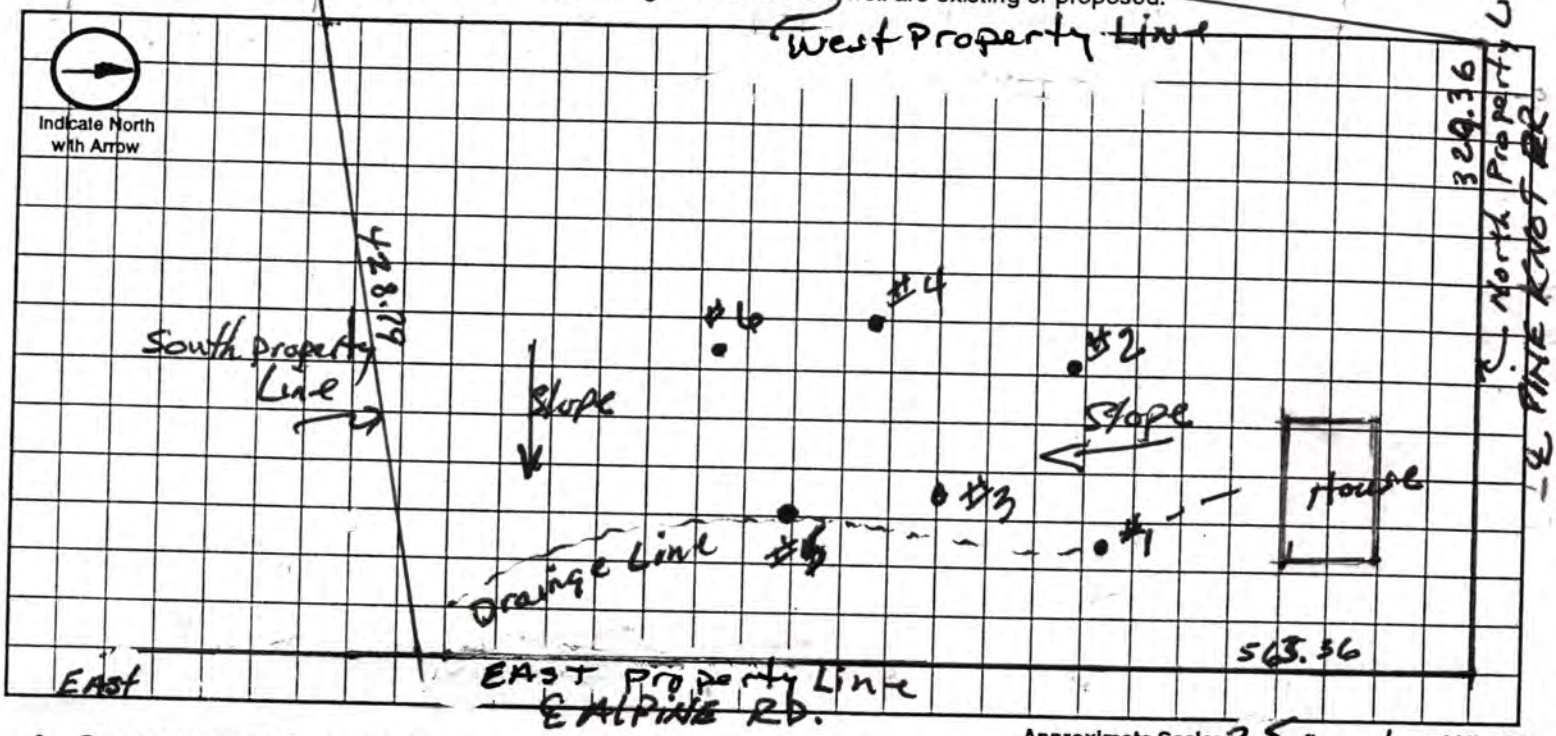
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

C

Permit Number: 033802653

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: 25 ft. = 1 grid line/s

A. System Location (Indicate correct number and street)

Address (no rural route) ~~[illegible]~~ 6401 Alpine Rd. City Lancaster 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 ~~3/4~~ (min. per inch) Soil Type: Silty Clay Land Slope: 2 %

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 1500 gals Number of Absorption Beds: Number of Distribution Laterals per Bed 1

Total Length of Laterals ~~280~~ 467 ft. Number of Trenches 2 Trench Width 3 ft 4 ft.

IF 350

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 John Ballis Date 6-17-03

Installer [illegible], Capital City Trenching Date 6-2-03

FORM 23-102 10-96

Lincoln-Lancaster County Health Department
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D

Permit Number:

Sewage Disposal System

As Built Plans & Specifications

Date 9-25-03

System Location (Indicate correct number and street)

Address 6401 Alpine RD. (no rural route) City Deton NE, Zip 68339

A. Building Sewer

1. Material: 4" PVC
   Diameter: 4" in.
2. Distance above basement floor: ____ in.
   or distance below basement floor: 48 in.
3. Distance between dwelling and septic tank: 178 ft.
4. Number of clean-outs: 3
5. Distances to: well or suction line — ft.
   stream — ft.
   pressure line — ft.
   property line — ft.

B. Septic Tank

1. Material: Concrete
   Number of compartments: 1
2. Capacity: 1750 gal.
3. Factory built: ☑ Yes ☐ No
4. Manholes: Over inlet, diameter 24" in.
   Over outlet, diameter 24" 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 — ft.
   Stream — ft.
   Pressure line — ft.
   Property line — ft.

C. Distribution Box

1. Material: Concrete
   Number available outlets: 5
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: 10'-27' ft.

D. Absorption Field

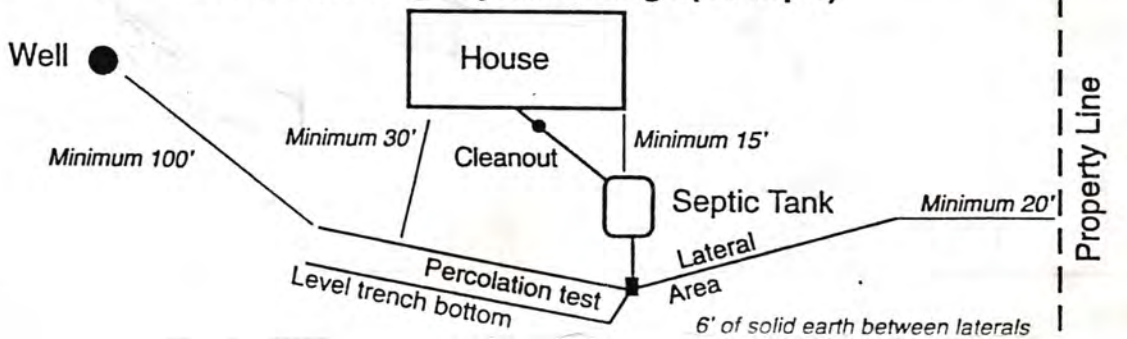
(Provide as-built drawings on back of this form)

1. Type: ☑ Half rounds ☐ Perforated pipe
   Diameter of half round: 36"
   or perforated pipe: ____
   Material: ☐ fiberglass ☑ plastic ☐ concrete
   ☐ other ____
2. Lateral lines: Number 3
   Length of each line: 143.75 ft. 131.25 ft.
   75 ft. ____ ft., ____ ft.
3. Trench dimensions: Width 4' ft.
   Slope 0 in/100 ft.
   Average depth 36 in
4. Filter material: —
   Depth of material — in.
5. Distances to: Well or suction line — ft.
   Stream — ft.
   Pressure line — ft.
   Property line — ft.

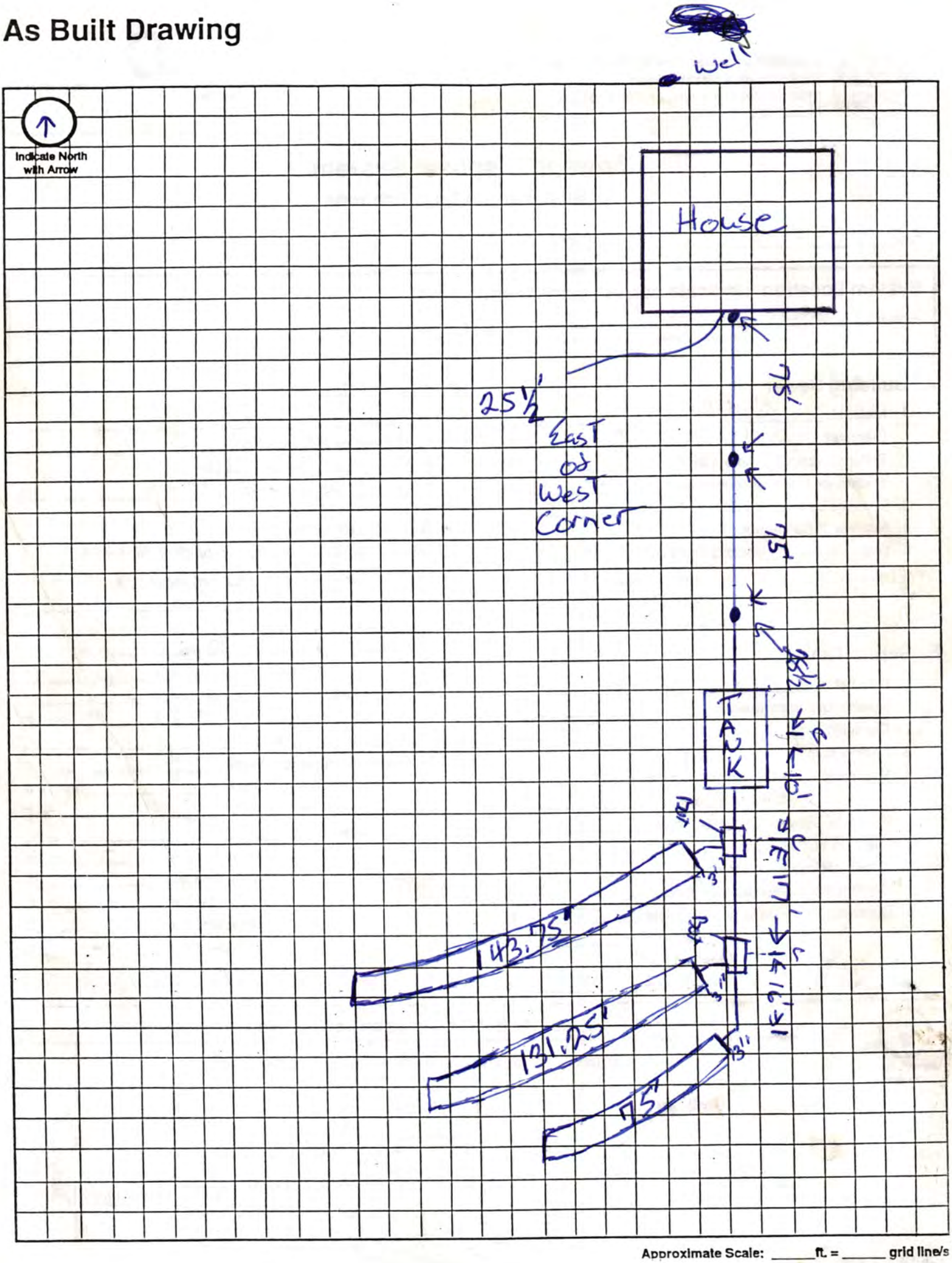
Indicate North with Arrow

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

Individual Sewage System Design (Example)



As Built Drawing



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