Lincoln-Lancaster County Health Department

ENVIRONMENTAL HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514 (402) 441-8000

Permit

SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 02380248301

Issued 06/03/02
Expires 12/03/02
Revenue Code 3157

Establishment

CANYON HOMES
T8N R7E SEC 22
HICKMAN RIDGE ESTS BLK 1 LOT 14
16700 LEISURE PL-HICKMAN

FEES: $200.00

Permittee

TED GLEASON
CANYON HOMES
P O BOX 6698
LINCOLN NE 68506

TOTAL: $200.00

Bruce D. Dart

Bruce D. Dart, Health Director

• POST IN A PROMINENT PLACE • NOT TRANSFERABLE

002413

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

A

Permit Number: 023802483

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 16700 Leisure Place (no rural route) City Hickman NE, Zip NE

Legal Description ____ ____ 22 (Section) 8N (Township) 7E (Range) Hickman Ridge Estates (Subdivision) ____ (Addition) 14 (Block) 14 (Lot)
1/4 1/4

Geographical Location (if known): Longitude ____ Latitude ____

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

B. Owner

Name Canyon Homes Signature Ted Gleason

Address P.O. Box 6698 City/State/Zip Lincoln NE 68506

☐ Check if owner designed system Home Phone 791-2332 Work Phone 486-4663

C. Contractor

Name Brad Southwick Company Name Southwick Sewer & Drain

Address 17201 S. 72nd City/State/Zip Hickman NE 68372

☒ Check if contractor designed system Work Phone 475-2462

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 3 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 6/3/02 Date frwd 6/4/02 ACTION ☒ Approved ☐ Disapproved Signature Jerrold C. Hood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 6/4/02 Date frwd ____ ACTION ☑ Approved ☐ Disapproved Signature ____
3. **City or County Engineer** Date rec'd 6/4/02 Date frwd 6/4/02 ACTION ☒ Approved ☐ Disapproved Signature ____

9/24/02 Need drawing. J.C.H

Installation Final Written Approval

By Jerrold C. Hood

Date OCTOBER 14, 2002

Business Office Use Only
Date Rec'd 06/03/02
Amt Paid 200.00
Rec'd By ____ ~~Cash~~/Check No. 2447

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: 023802483

Sewage Disposal System

Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address Leisure Pl (no rural route) City Hickman NE, Zip 68372

Owner _____ Addresss _____

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

Date of Tests 5-23 to 5-23 Weather: Precipitation _____ Temperature _____

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	5/23	8:00	5/23	5:00	5/23	6:40	14	5/23	7:10	30	5/8	48
2			AM		PM			16				1/2	60
3								18 3/4				5/8	48
4								21 1/8				1/2	60
5								19				1	30
6								15 1/8				5/8	48

Person Conducting Percolation Tests

Name: Brad Southwick
Phone: 475-2462
Address 17201 S. 72nd st
Hickman, Ne 68372

Sum of Percolation Rates: 294
Average of Rates: 49
Rate Used for Calculation: 60

(>20 MINUTE VARIANCE)

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

Signature of Reviewing Official Jerrold C. Hood R.E.H.S. Date JUNE 3, 2002

FORM 23-101 10-96

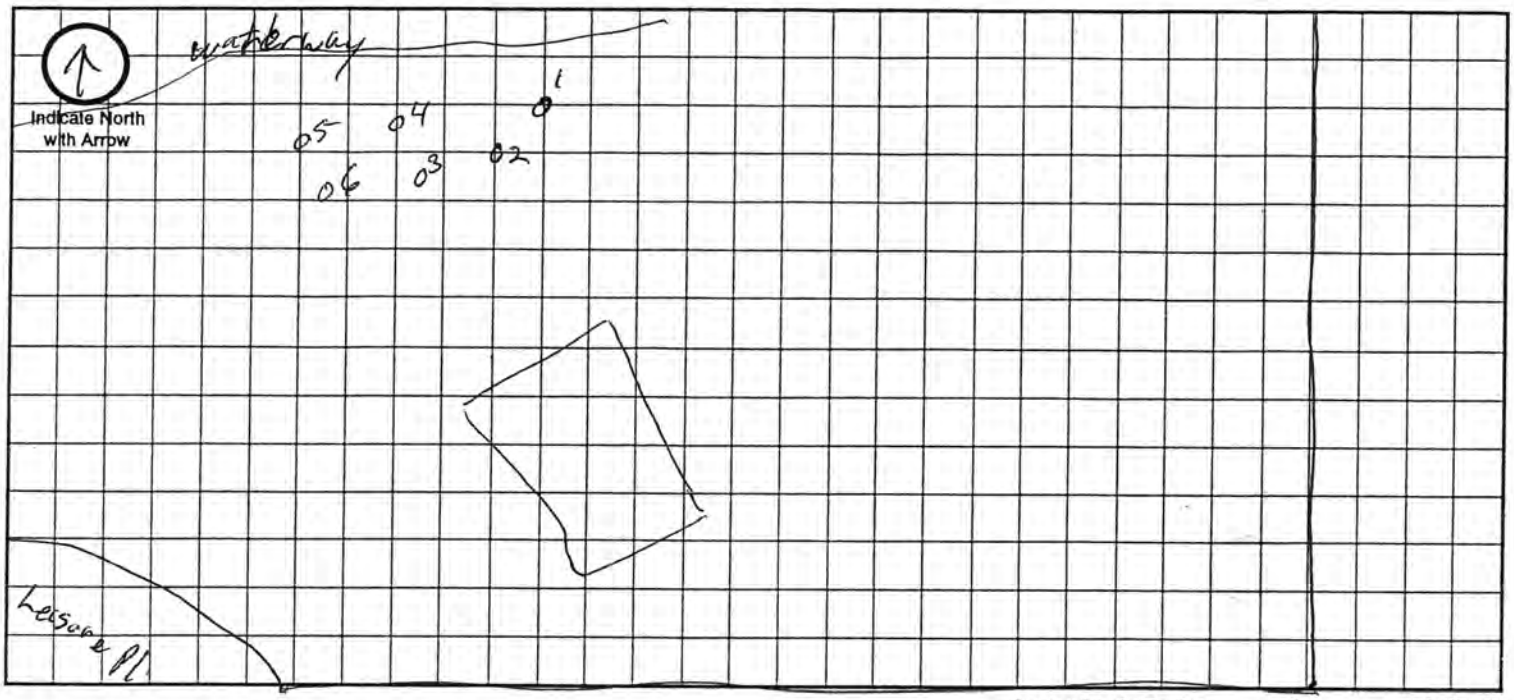
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

C

Permit Number: 023802483

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) Leisure Pl City Hickman NE, Zip 68372

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: JUDSON SILT LOAM Land Slope: _____ %

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

Total Square Feet of Field Required: 1050 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 263 ft. Number of Trenches _____ Trench Width 4

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 _____ Date _____

Installer Brad Gerdes Date 5-23-02

FORM 23-102 10-96

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

D

Permit Number:

Sewage Disposal System

As Built Plans & Specifications

Date 10-5-02 Ted & Bambi Gleason

System Location (Indicate correct number and street)

Address 16700 Leisure Cr. City Hickman NE, Zip 68372
(no rural route)

A. Building Sewer

1. Material: Sch 40 PVC
   Diameter: 4 in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 14 in.
3. Distance between dwelling and septic tank: 51' 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 >20 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 6x9 in.
   Over outlet, diameter 6x9 in.
   Riser: ☐ above ☐ below grade _____ in.
5. Inlet: ☒ baffle ☐ tee
6. Outlet: ☒ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 10 in.
8. Distances to: Well or suction line NA ft.
   Stream NA ft.
   Pressure line NA ft.
   Property line NA ft.

C. Distribution Box

1. Material: PVC
   Number available outlets: 5
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 22' ft.

D. Absorption Field

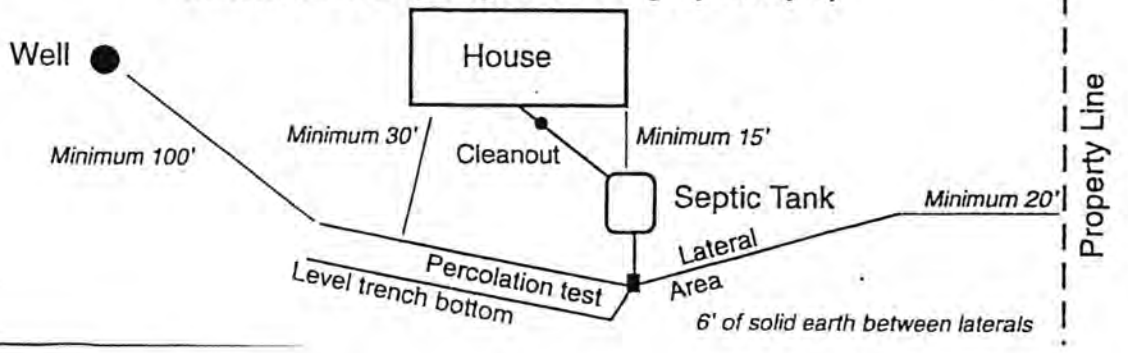
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: _____
   or perforated pipe: _____
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other In-A-Trator
2. Lateral lines: Number _____
   Length of each line: 105 ft. 100 ft.
   75 ft. _____ ft., _____ ft.
3. Trench dimensions: Width 4 ft.
   Slope 4 in/100 ft.
   Average depth 28 in
4. Filter material: Road Gravel
   Depth of material 16-18 in.
5. Distances to: Well or suction line NA ft.
   Stream >50 ft.
   Pressure line >30 ft.
   Property line >20 ft.

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

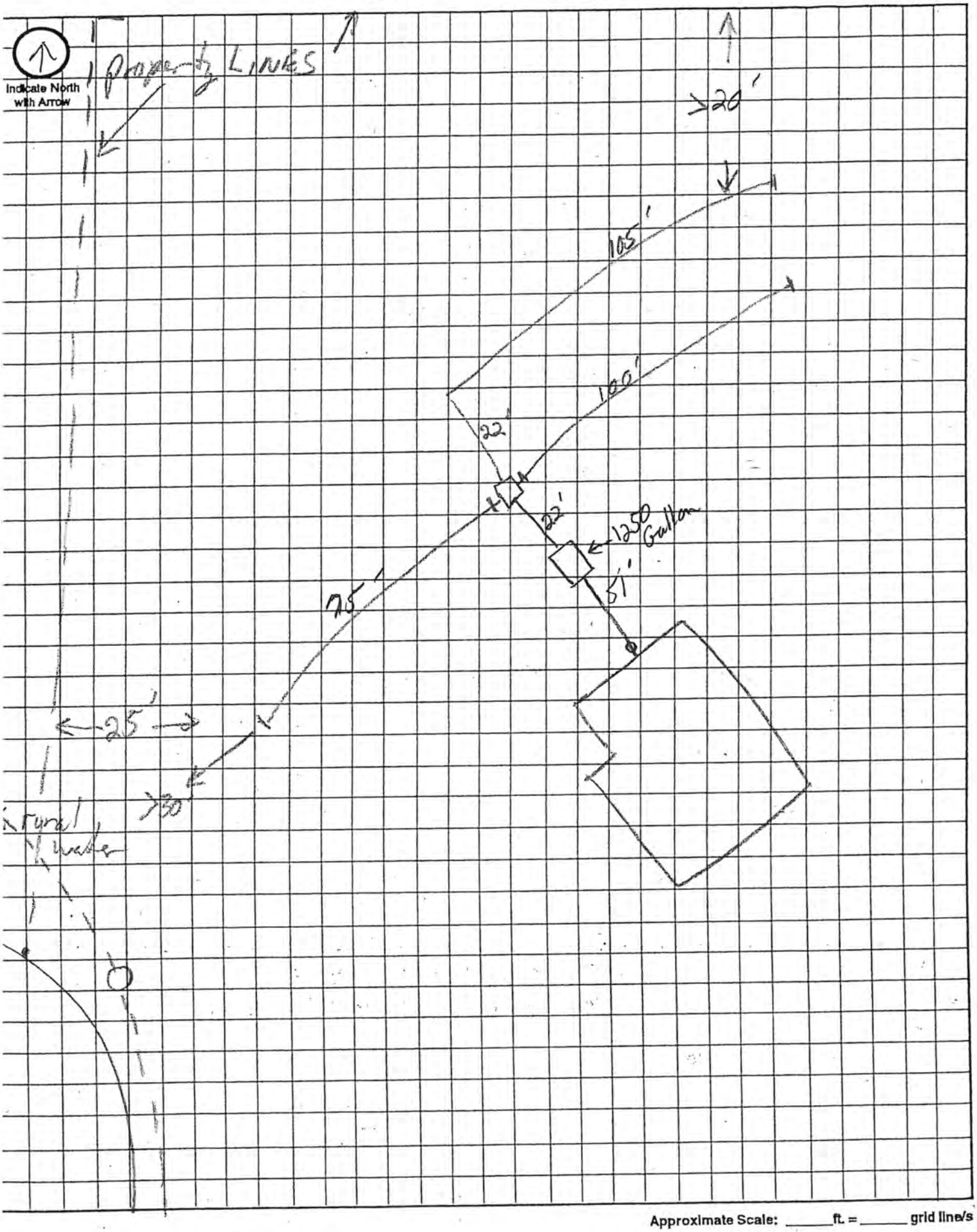
Indicate North with Arrow

Individual Sewage System Design (Example)



As Built Drawing

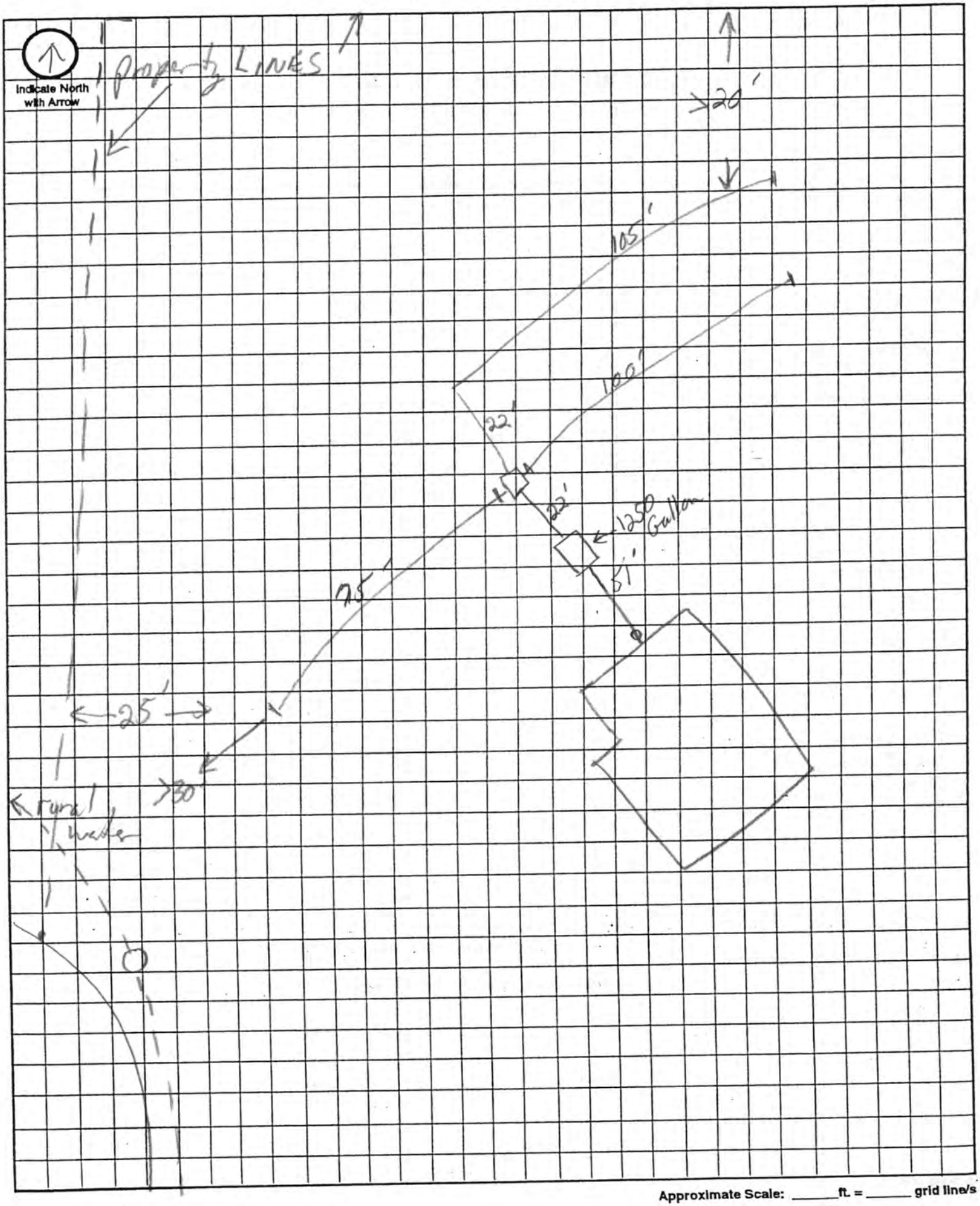
16700 Leisure



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

As Built Drawing

16700 Leisure



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