Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

002820

(402) 441-8000

Permit

SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 03380266901

Issued 07/08/03
Expires 01/08/04
Revenue Code 3157

Establishment

ASPEN BUILDERS
T9N R5E SEC 13 QTR SE
TIMBERLINE ESTS BLK 3 LOT 5
5900 ALPINE CT-DENTON

FEES: $200.00

Permittee

ASPEN BUILDERS
6120 VILLAGE DR
APT B
LINCOLN NE 68516

TOTAL: $200.00

Bruce D. Dart

Bruce D. Dart, Health Director

EPH COPY

JUL 0 2 2003

A

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

Permit Number: 033802669O1

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 5900 Alpine Crt (no rural route) City Denton NE, Zip 685

Legal Description SE (1/4) 13 (Section) 9N (Township) 5E (Range) Timberline Estates (Subdivision) 3 (Addition) 5 (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 Aspen Builders, Inc. Signature [signature]

Address 6120 Village Dr City/State/Zip Lincoln, NE 68516

☒ Check if owner designed system Home Phone 423-6811 Work Phone 416-9660

C. Contractor

Name SAME AS ABOVE Company Name _____

Address _____ City/State/Zip _____

☐ Check if contractor designed system Work Phone _____

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 7/3/03 Date frwd 7/7/03 ACTION ☒ Approved ☐ Disapproved Signature Gerald C. Hood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 7/7/03 Date frwd 7/7/03 ACTION ☒ Approved ☐ Disapproved Signature [signature]
3. **City or County Engineer** Date rec'd 7/7/03 Date frwd 7/7/03 ACTION ☒ Approved ☐ Disapproved Signature [signature]

Line tank located 10/3/03. DS Need "O" - field noted 1/8/04

Installation Final Written Approval

By [signature]

Date 1/8/04

Business Office Use Only
Date Rec'd 7/3/03 7/08/03 #4701
Amt Paid #150 '50
Rec'd By [signature] Cash/Check No. #4678

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

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B

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Sewage Disposal System

Soil Absorption Test Data Report

Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 5900 Alpine Crt (no rural route) City Denton NE, Zip 685

Owner Aspen Builders, Inc Addresss 6120 Village Dr.

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

Date of Tests 6-18 to 6-19 Weather: Precipitation Dry recent rain Temperature 82°

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				
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)
	36"	6-18	4:00 pm	6-19	3:30	6-19	4:00	13	6-19	4:30	30	1/2	60
	36"						4:03	20	6-19	4:33		1/2	60
	36"						4:06	18	6-19	4:36		1/2	60
	36"						4:10	19	6-19	4:40		3/4	40
	36"						4:14	17	6-19	4:44		3/4	40
	36"						4:16	21	6-19	4:46		3/4	40
	36"						4:20	17	6-19	4:50		3/4	40
	36"						4:24	18	6-19	4:54		3/4	40
	36"	6-18	4:10	6-19	3:30		4:26	20	6-19	4:56		1/2	60

Sum of Percolation Rates: 440

Average of Rates: 48.89

Rate Used for Calculation: _____

Person Conducting Percolation Tests

Name: Bob Beyer / Dennis Hessheimer

Phone: 416-9660

Address 6120 Village Dr

68516

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

Signature of Reviewing Official _____ Date _____

FORM 23-101 10-96

JUL 0 2 2003

C

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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) 5900 Alpine Crt City Denton NE, Zip 1

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ Plastic ☐ Other _____

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

Percolation Rate 49 (min. per inch) Soil Type: _____ Land Slope: _____ %

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

Total Square Feet of Field Required: 990 sq. ft.

Type of Lateral: ☐ Half-Moon ☒ Perforated Pipe ☐ Other Lateral Material: _____

Capacity of Septic Tank 1050 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals 330 ft. Number of Trenches _____ 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 _____ Date 6-29-03

Installer _____ Date 6-29-03

Not certified will take test

FORM 23-102 10-96

9-5-13

JUL – 9 2004 D

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Sewage Disposal System
As Built Plans & Specifications

Date ~~4/7/2004~~ 7-7-04

System Location (Indicate correct number and street)
Address 5900 Alpine Court (no rural route) City Denton NE, Zip 68339

A. Building Sewer
1. Material: PVC
   Diameter: 4" in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 12 in.
3. Distance between dwelling and septic tank: 47 ft.
4. Number of clean-outs: 1
5. Distances to: well or suction line 175' ft.
   stream 500 ft.
   pressure line 125' ft.
   property line 250 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 12 in.
   Over outlet, diameter 12 in.
   Riser: ☒ above ☐ below grade 6 in.
5. Inlet: ☒ baffle ☐ tee
6. Outlet: ☒ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 18 in.
8. Distances to: Well or suction line 175 ft.
   Stream 500 ft.
   Pressure line 125 ft.
   Property line 240 ft.

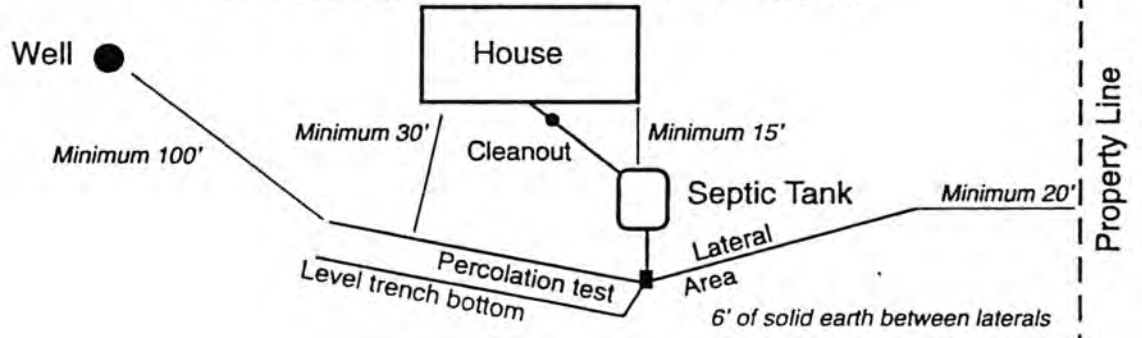
C. Distribution Box
1. Material: Concrete
   Number available outlets: 6
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 35' ft.

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 _____
   Length of each line: 110 ft. 110 ft.
   110 ft. _____ ft., _____ ft.
3. Trench dimensions: Width 3' ft.
   Slope 9 in/100 ft.
   Average depth 3' in
4. Filter material: Gravel
   Depth of material 18 in.
5. Distances to: Well or suction line 125 ft.
   Stream 400 ft.
   Pressure line 125 ft.
   Property line 75 ft.

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

Indicate North with Arrow

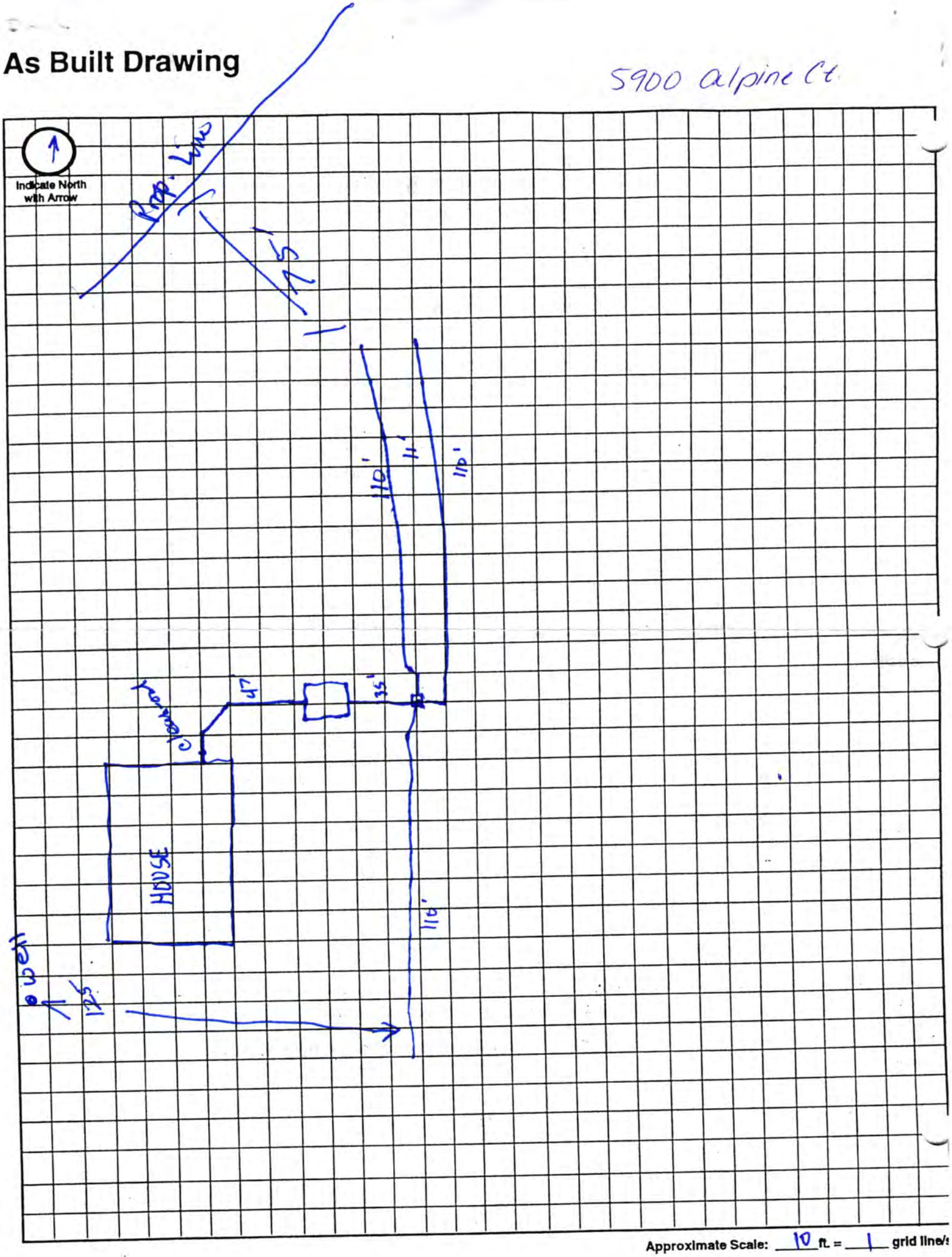
Individual Sewage System Design (Example)



FORM 23-103 10-96

As Built Drawing

5900 alpine Ct



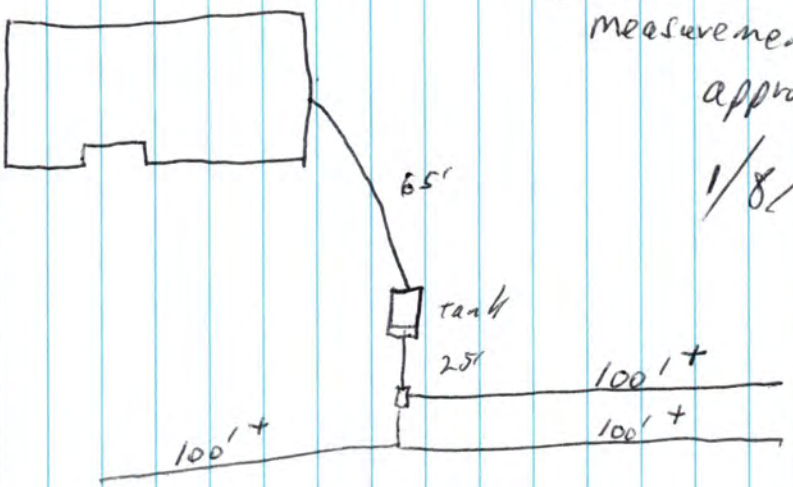
Approximate Scale: 10 ft. = 1 grid line/s

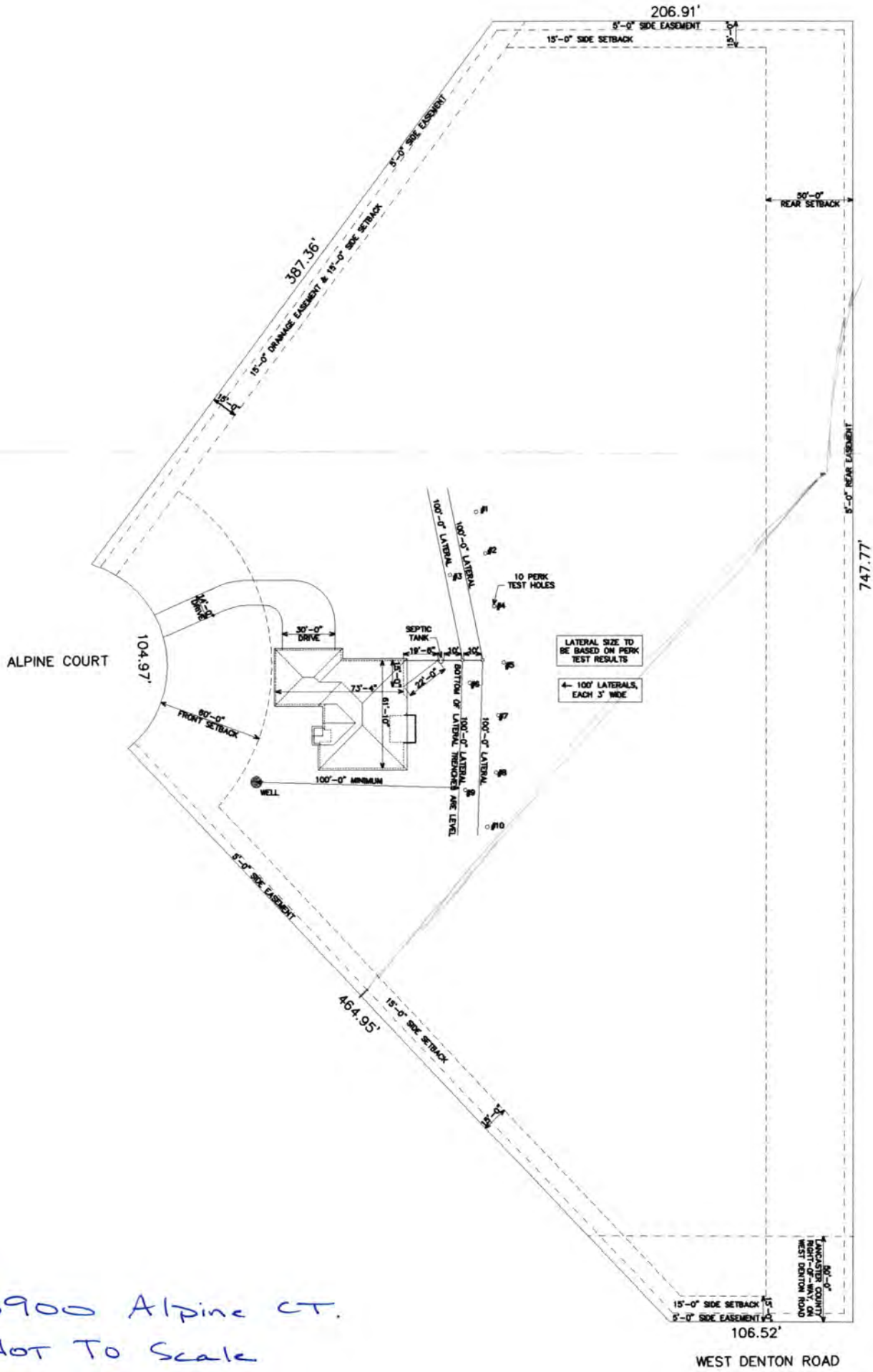
well

Field notes

measurements approximate

1/8/04





5900 Alpine CT.

Not To Scale

Aspen Builders Inc.

N↑