Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

007914

(402) 441-8000

Permit: SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 05380304201

Issued 06/23/05
Expires 06/23/06
Revenue Code 3157

Establishment:
ASPEN BUILDERS
T12N R5E SEC 22 QTR NE
NORTH BRNCHD OAK EST LOT 3
NW 84 ST-RAYMOND

FEES: $200.00

Permittee:
ASPEN BUILDERS
1640 NORMANDY CT
APT A
LINCOLN NE 68512

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

JUN 2 2 2005 **A**

Permit Number: 05380304201

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 18,855 NW 84th St. (no rural route) City Raymond NE, Zip 68428

Legal Description NE 1/4 1/4 22 Section 12N Township 5E Range North Branched Oak Estates Subdivision Addition 3 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 _____

Address 1640 Normandy Ct. Ste A City/State/Zip Lincoln NE 68512

☐ Check if owner designed system ~~Home Phone~~ 423-6811 ← Work Phone

C. Contractor

Name ~~Aspen Builders Inc.~~ Company Name Aspen Builders Inc.

Address 1640 Normandy Ct. Ste A City/State/Zip Lincoln NE 68512

☒ Check if contractor designed system Work Phone 423-6811

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** 11-14-05
   Date rec'd 6/23/05 Date frwd 6/23/05
   ACTION ☒ Approved ☐ Disapproved
   Signature Jerrold C. Flood

2. **Supt. Bldg. Insp. or Village Clerk**
   Date rec'd 6-23-05 Date frwd 6-23-05
   ACTION ☒ Approved ☐ Disapproved
   Signature _____

3. **City or County Engineer**
   Date rec'd 6/23/05 Date frwd 6/23/05
   ACTION ☒ Approved ☐ Disapproved
   Signature _____

Installation Final Written Approval

By Ron Mayfield

Date 11-15-05

Business Office Use Only

Date Rec'd 06/23/05

Amt Paid 200.00

Rec'd By _____ ~~Cash~~/Check No. 10321

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

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

B

Permit Number: 053803042

Sewage Disposal System

Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address NW 84th St. (no rural route) City Raymond NE, Zip 68428

Owner Aspen Builders Inc. Addresss 1640 Normandy Ct. Ste A Lincoln 68512

Soil Type (SCS): SHARPSBURG SILTY CLAY LOAM Percolation Rate: 47 min./inch

Date of Tests 6-16 to 6-17 Weather: Precipitation Dry 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	36	6-16	1 pm	6-17	10 AM	6-17	10 00	17"	6-17	10:30	30	1/2"	60
2							10 02	22"		:32		5/8"	48
3							10 05	26"		:35		1/2"	60
4							10 07	21"		:37		1 1/2"	20
5							:10	16"		:40		1 1/2"	20
6							:12	24"		:42		1/2"	60
7							:15	18"		:45		1/2"	60

Person Conducting Percolation Tests

Name: Bob Benes, Dennis Hutchinson
Phone: 423-6811
Address 1640 Normandy Ct
Lincoln NE 68512

Sum of Percolation Rates: 328
Average of Rates: 46.9
Rate Used for Calculation: ~~47~~ 60

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks

Signature of Reviewing Official: Jerrold C. Hood R.E.H.S. Date JUNE 23, 2005

FORM 23-101 10-96

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

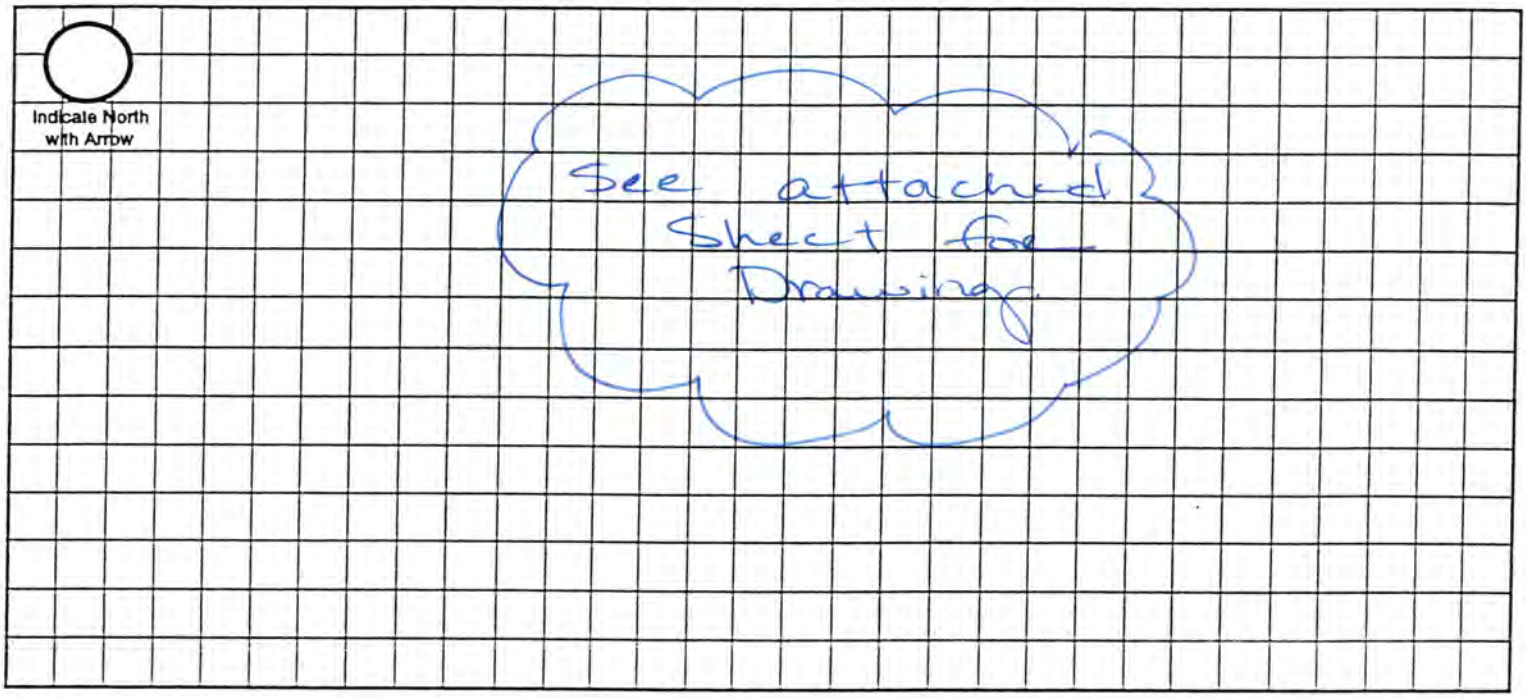
C

Permit Number: 053803042

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) NW 84Th St. City Raymond NE, Zip 68428

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ Plastic ☐ Other _____

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

Percolation Rate 47 (min. per inch) Soil Type: SHARPSBURG SILTY CLAY LOAM Land Slope: 4:1 %

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

Total Square Feet of Field Required: ~~1320~~ 1400 sq. ft. 4 | 1400 | 350

Type of Lateral: ☐ Half-Moon ☐ Perforated Pipe ☐ Other Lateral Material: graveless chamber 34"

Capacity of Septic Tank 1256 gals Number of Absorption Beds: ~ Number of Distribution Laterals per Bed -

Total Length of Laterals ~~293~~ 350 ft. Number of Trenches 3 Trench Width 3' effective width is 4.5'

D. Setbacks Check the Boxes Below if the Required Setback has been Satisfied

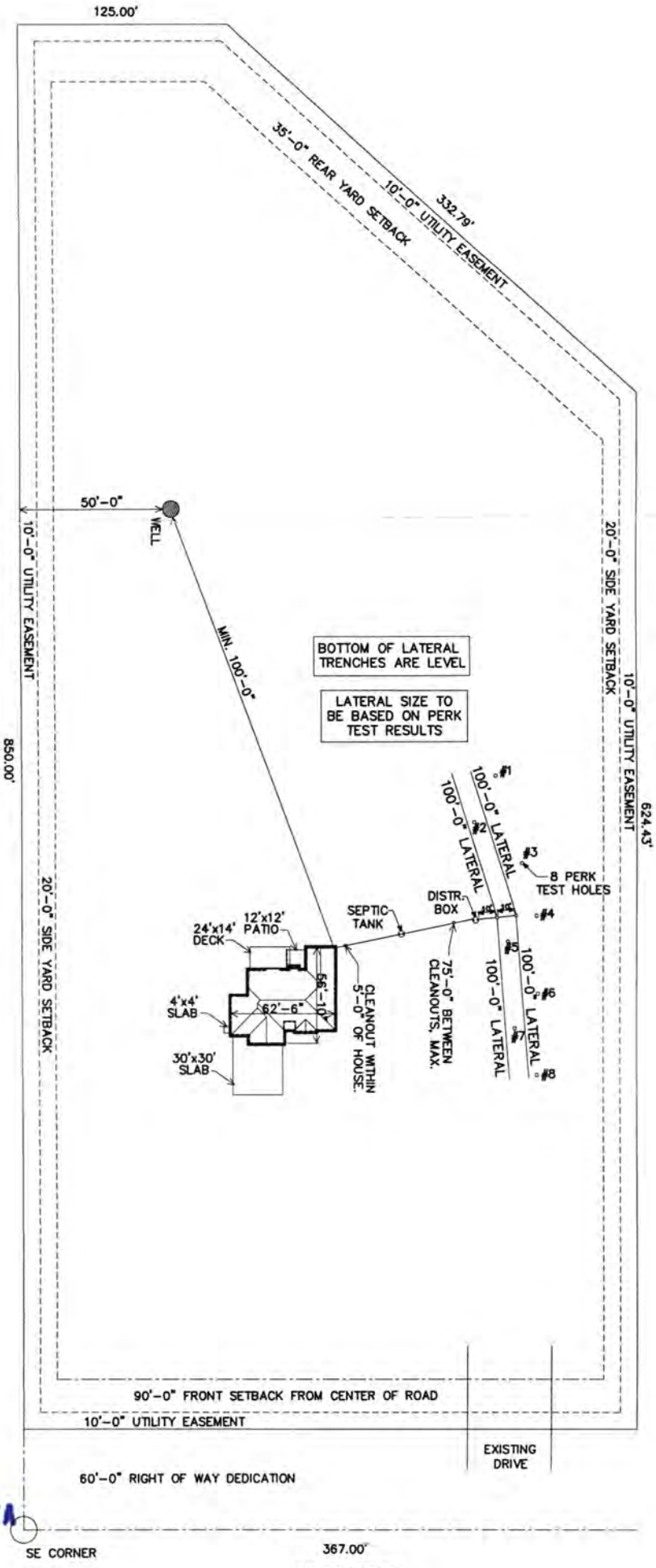
Distance From	Private Well	Public Well	Surface Water	Gound Water	Pressure Water Lines	Property Lines	Foundations Yours	Foundations Neighbors	All Other Setbacks
Tank (ft)	50 ☑	500 ☑	50 ☑	NA ☐	25 ☑	20 ☑	15 ☑	25 ☑	☑
Field (ft)	100 ☑	500 ☑	50 ☑	4 ☐	30 ☑	20 ☑	30 ☑	40 ☑	☑
Lagoon (ft)	100 ☐	500 ☐	50 ☐	N/A ☐	30 ☐	50 ☐	100 ☐	200 ☐	☐

E. Required Signatures

Home Building Contractor _____ Date 6-24-05

Installer _____ Date _____

FORM 23-102 10-96



ASPEN BUILDERS, INC.
1640 NORMANDY COURT, SUITE A
LINCOLN, NE 68512

No Scale

N →
Lot 3,
North Branched
Oak Estates

NOV 0 4 2005

D

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

Permit Number:

Sewage Disposal System

As Built Plans & Specifications

Date 11-1-05

System Location (Indicate correct number and street)

Address 18855 NW 84th St. (no rural route) City Raymond NE, Zip 68428

A. Building Sewer

1. Material: PVC
   Diameter: 4" in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 10" in.
3. Distance between dwelling and septic tank: 90' ft.
4. Number of clean-outs: 1
5. Distances to: well or suction line 250' ft.
   stream — ft.
   pressure line 60' ft.
   property line 320 ft.

B. Septic Tank

1. Material: PVC
   Number of compartments: 1
2. Capacity: 1250 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter _____ in.
   Over outlet, diameter _____ in.
   Riser: ☒ above ☐ below grade 18 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 200 ft.
   Stream — ft.
   Pressure line 150 ft.
   Property line 300 ft.

C. Distribution Box

1. Material: PVC
   Number available outlets: 3
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 32 ft.

D. Absorption Field

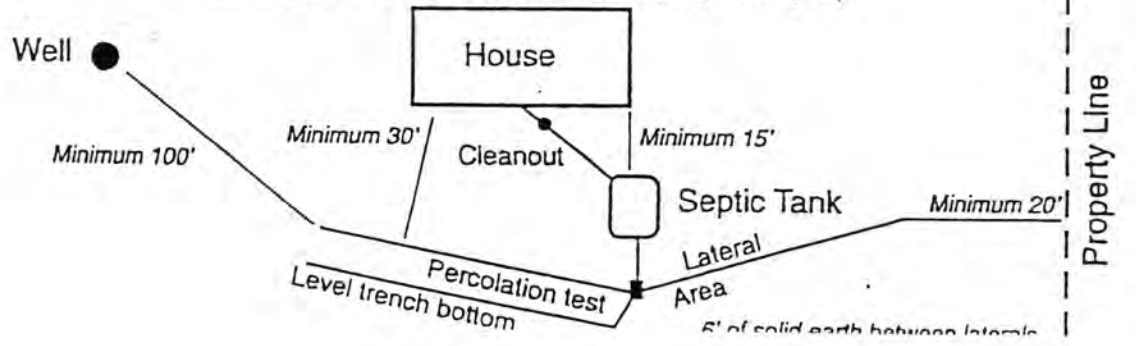
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: _____
   or perforated pipe: _____
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other HDPE
2. Lateral lines: Number 3
   Length of each line: 67 ft. 120 ft.
   120 ft. _____ ft., _____ ft.
3. Trench dimensions: Width 3' ft.
   Slope 0 in/100 ft.
   Average depth 2' in
4. Filter material: gravelless
   Depth of material _____ in.
5. Distances to: Well or suction line 100 ft.
   Stream — ft.
   Pressure line 100 ft.
   Property line 250 ft.

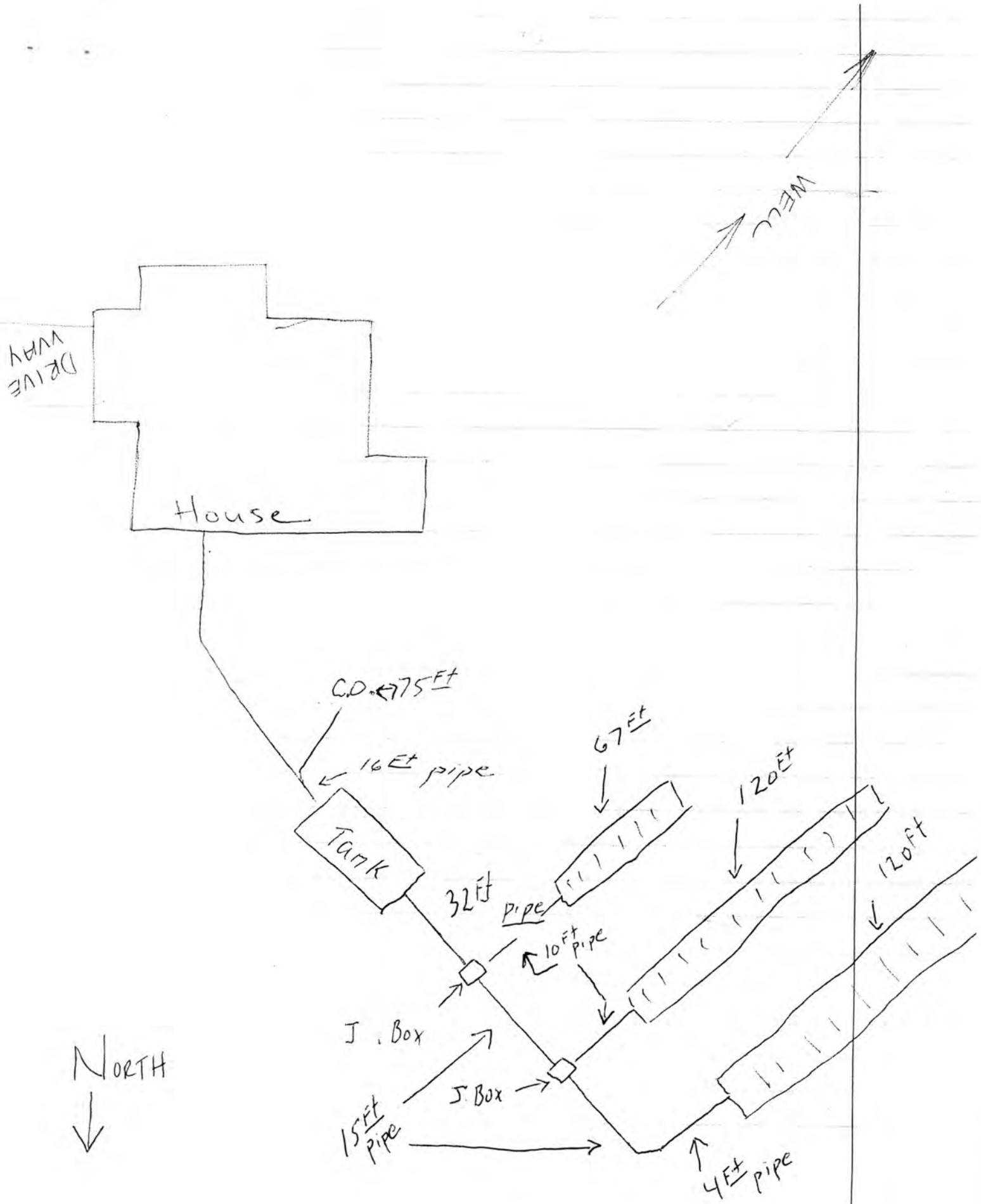
Indicate North with Arrow

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

Individual Sewage System Design (Example)



FORM 23-103 10-96



18855 NW 84th St
- as-built plans - No scale. 11/3/05