**Lincoln-Lancaster County Health Department**
**Environmental Public Health Division (402) 441-8027**
**3140 N Street Lincoln, NE 68510-1514**

**ON-SITE WASTE WATER SYSTEM**
**CONSTRUCTION - INSTALLATION PERMIT**

**No. HS000192**

**System Type:** STANDARD

**Situs:** 1400 DEER TRL RUR

**Legal Description:** T08N-R06E-S25-Lot 1

**Owner:**

| | |
|---|---|
| Permit Fee: | $315.00 |
| Variance Fee: | $0.00 |
| Extension Fee: | $0.00 |
| Total Fees: | $315.00 |

Issued: 12/03/2008
Expires: 12/03/2009

Bruce D. Dart, PhD, Health Director

On-site Waste System Permit Holder:

The above document is your permit to construct a new On-site Waste Water System at the location listed. Please contact this office once the sytem is complete in order to schedule a final inspection before use.

Bruce D. Dart, PhD
Health Director

RAYMOND CONTRACTING
13800 NW 70TH
RAYMOND NE 68428

LLCHD HS000192

**Lincoln-Lancaster County Health Department**
Environmental Public Health Division
0 N Street • Lincoln NE 68510-1514
02-441-8022

**A**

Permit Number
HS000192

# Onsite Wastewater Treatment System Request for Site Clearance and Permit

**Include Form B and C. Submit correct fee with this Application**

acres or more required for: ☑ Septic System ☐ Lagoon ☐ Other (Refer to Form C)
The undersigned hereby requests site clearance and permit to construct a Wastewater Treatment System in conformance with appropriate regulations.

CITY OF LINCOLN
NEBRASKA
MAYOR CHRIS BEUTLER
lincoln.ne.gov
Lincoln-Lancaster County Health Department
Bruce D. Dart, Ph.D., Health Director
3140 "N" Street
Lincoln, Nebraska 68510-1514
402-441-8000
TDD: 402-441-6284
fax: 402-441-8323
health@lincoln.ne.gov

PLEASE PRINT OR TYPE

## A. Onsite System Location

Address 1400 Deer Trail (no rural route) City Roca, NE Zip 68430

Legal Description NW 25 8 6 Deer Trail 1
1/4 Section Township Range Subdivison Addition Block Lot

Geographical Location (if known): Longitude: Latitude:

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

## B. Owner

Name Bryan Gunter Signature Bryan Gunter

Address City/State/Zip Lincoln NE 68506

☐ System Home Phone Same Work Phone 890-0123

## C.

Name Company Name Beach Construction

Address St City/State/Zip Lincoln, NE 68506

☐ d system Work Phone 402-440-4793

## D.

☐ **Check and complete if engineer designed system** 402-890-6009

Des kowbek Firm Raymond Contracting Inc Work Phone 402-783-2663

## E.

e a

☑ mber of Bedrooms 3 5 Is there a Whirlpool Bathtub? ☒ Yes ☐ No

☐ Other Facility Specify Design flow in gallons per day

Domestic ☐ Non-Domestic Well Permit Applied for ☐ Yes ☐ No ☐ Not Applicable

***DO NOT WRITE BELOW THIS LINE***

pp Municipal Code 24.38 ☑ County Resolution No. 02-30

H Date rec'd 12/3/08 ACTION ☑ Approved ☐ Disapproved

te Date frwd 12/3/08 Signature

S erk Date rec'd ACTION ☐ Approved ☐ Disapproved

om Date frwd Signature

City or County Engineer Date rec'd ACTION ☐ Approved ☐ Disapproved

omments Date frwd Signature

**Business Office Use Only** # 315.00
Date Received 12-3-08 Amount Paid 315
Received By Cash/Check No. 6922

Installation Final Written Approval

/

ate LINCOLN
*The Community of Opportunity* Health Department

Yellow - Engineer

Pink - Building & Safety

#6922 $315.00
12-3-08 LC

Form A Updated: 5-07

12-4-2008 15:18:40

LLCHD HS000192

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

**A**

Permit Number HS000192

# Onsite Wastewater Treatment System Request for Site Clearance and Permit

**Include Form B and C. Submit correct fee with this Application**

3 acres or more required for: ☑ Septic System ☐ Lagoon ☐ Other (Refer to Form C)

The undersigned hereby requests site clearance and permit to construct a Wastewater Treatment System in conformance with appropriate regulations.

**PLEASE PRINT OR TYPE**

## A. Onsite System Location

Address 1400 Deer Trail (no rural route) City Roca, NE Zip 68430

Legal Description NW 25 8 6e Deer Trail 1
1/4 1/4 Section Township Range Subdivison Addition Block Lot

Geographical Location (if known): Longitude: _____ Latitude: _____

☐ Check if system mail address is not the same as the owner's address Total Acres: _____

## B. [redacted]

[redacted] Bryan + Lisa Gunter [redacted] Bryan Gunter

[redacted] 3010 S. 72nd [redacted] Lincoln NE 68506

☐ Check if owner designed system [redacted] Same [redacted] 890-0123

## C. Contractor

Name: Mike Beach Company Name Beach Construction

Address 3134 S. 48th St City/State/Zip Lincoln, NE 68506

☐ Check if contractor designed system Work Phone 402-440-4793

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

Designer Name Lloyd Jakoubek Firm Raymond Contracting Inc Work Phone 402-783-2663 402-890-6009

## E. This system will serve a

☑ Residential Dwelling [redacted] 3 5 [redacted] ? ☒ Yes ☐ No

☐ Commercial Establishment/Other Facility Specify _____ Design flow in gallons per day _____

Type of Wastewater ☒ Domestic ☐ Non-Domestic Well Permit Applied for ☐ Yes ☐ No ☐ Not Applicable

***DO NOT WRITE BELOW THIS LINE***

**Approval Process** ☐ Municipal Code 24.38 ☑ County Resolution No. 02-30

**1. Health Department**
Site visits _____
Date rec'd 12/3/08
Date frwd 12/3/08
ACTION ☑ Approved ☐ Disapproved
Signature _____

**2. Supt. Bldg. Insp. or Village Clerk**
Comments _____
Date rec'd 12/3/08
Date frwd 12/3/08
ACTION ☒ Approved ☐ Disapproved
Signature _____

**3. City or County Engineer**
Comments _____
Date rec'd 12-3-08
Date frwd 12-3-08
ACTION ☒ Approved ☐ Disapproved
Signature Jim Blaugh

**Installation Final Written Approval**
By _____
Date _____

***Business Office Use Only***
Date Received _____ Amount Paid _____
Received By _____ Cash/Check No. _____

White - Health Department Yellow - Engineer Pink - Building & Safety

Form A Updated: 5-07

12-4-2008 15:20:20

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

B

Permit Number: HS000192

# Sewage Disposal System
## Soil Absorption Test Data Report
## Annex to Application

PLEASE PRINT OR TYPE

Deer Trail Addition Lot 1, NW 1/4 25-8-6
**System Location** (Indicate correct number and street)

Address _____ (no rural route) City Roca NE, Zip 68430

Owner Beach Construction Address 3134 S. 48th St Lincoln, NE 68506

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

Date of Tests 9/19/08 to 9/20/08 Weather: Precipitation 0 Temperature 77°

## 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 | 45 | 9/19 | 10:00A | 9/19 | 2:00p | 9/20 | 1:00p | 6 | 9/20 | 1:30p | 30 | 1/2 | 60 |
| 2 | 43 | " | " | " | " | " | " | " | " | " | " | 1 1/16 | 28 |
| 3 | 41 | " | " | " | " | " | " | " | " | " | " | 5/8 | 48 |
| 4 | 44 | " | " | " | " | " | " | " | " | " | " | 9/16 | 54 |
| 5 | 39 | " | " | " | " | " | " | " | " | " | " | 1 | 30 |
| 6 | 44 | " | " | " | " | " | " | " | " | " | " | 9/16 | 54 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

Sum of Percolation Rates: 274
Average of Rates: 46
Rate Used for Calculation: 60 (20 min variance)

### Person Conducting Percolation Tests

Name: Terri Jakoubek, Raymond Contracting, Inc.
Phone: 402-783-2663 or 402-890-3870
Address: 13800 NW 70th St
Raymond, NE 68428 #C1198

DO NOT WRITE BELOW THIS LINE

### Reviewing Action

Remarks _____

Signature of Reviewing Official _____ Date _____

DRM 23-101 10-96

C

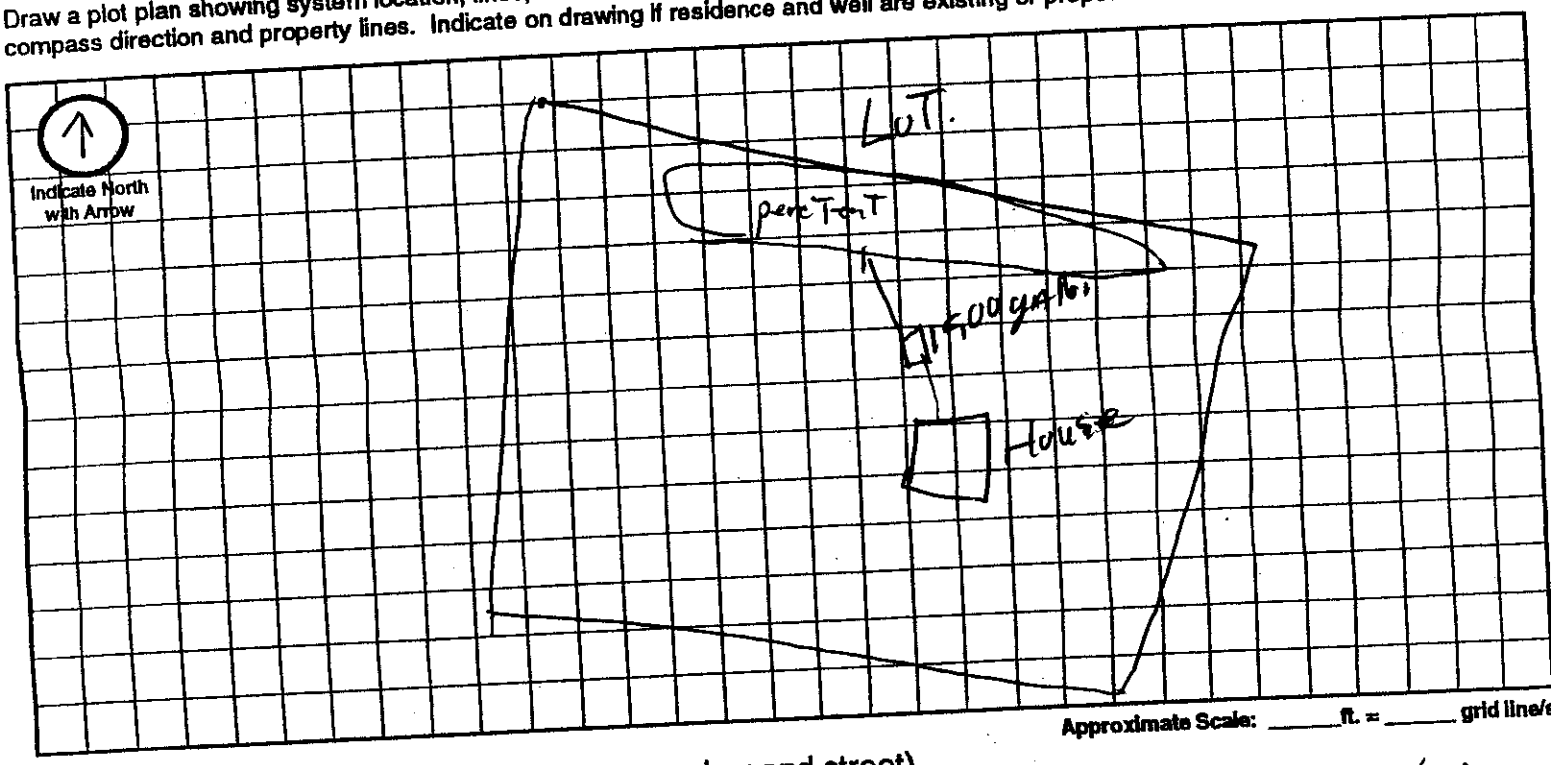
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

Permit Number: HS 000192

# 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.




## A. System Location (Indicate correct number and street)

Address (no rural route) 1400 Deer Trail City Roca NE, Zip 68430

## B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ Plastic ☐ Other [redacted]

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

Percolation Rate 60 (min. per inch) Soil Type: Wymore Land Slope: ____ %

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

Total Square Feet of Field Required: 1,750 sq. ft.

Type of Lateral: ☐ Half-Moon ☐ Perforated Pipe ☒ Other Lateral Material: Gravelless Chambers - RIBS

Capacity of Septic Tank 1,750 gals Number of Absorption Beds: ____ Number of Distribution Laterals per Bed ____

Total Length of Laterals 438 ft. Number of Trenches 3 Trench Width 4'

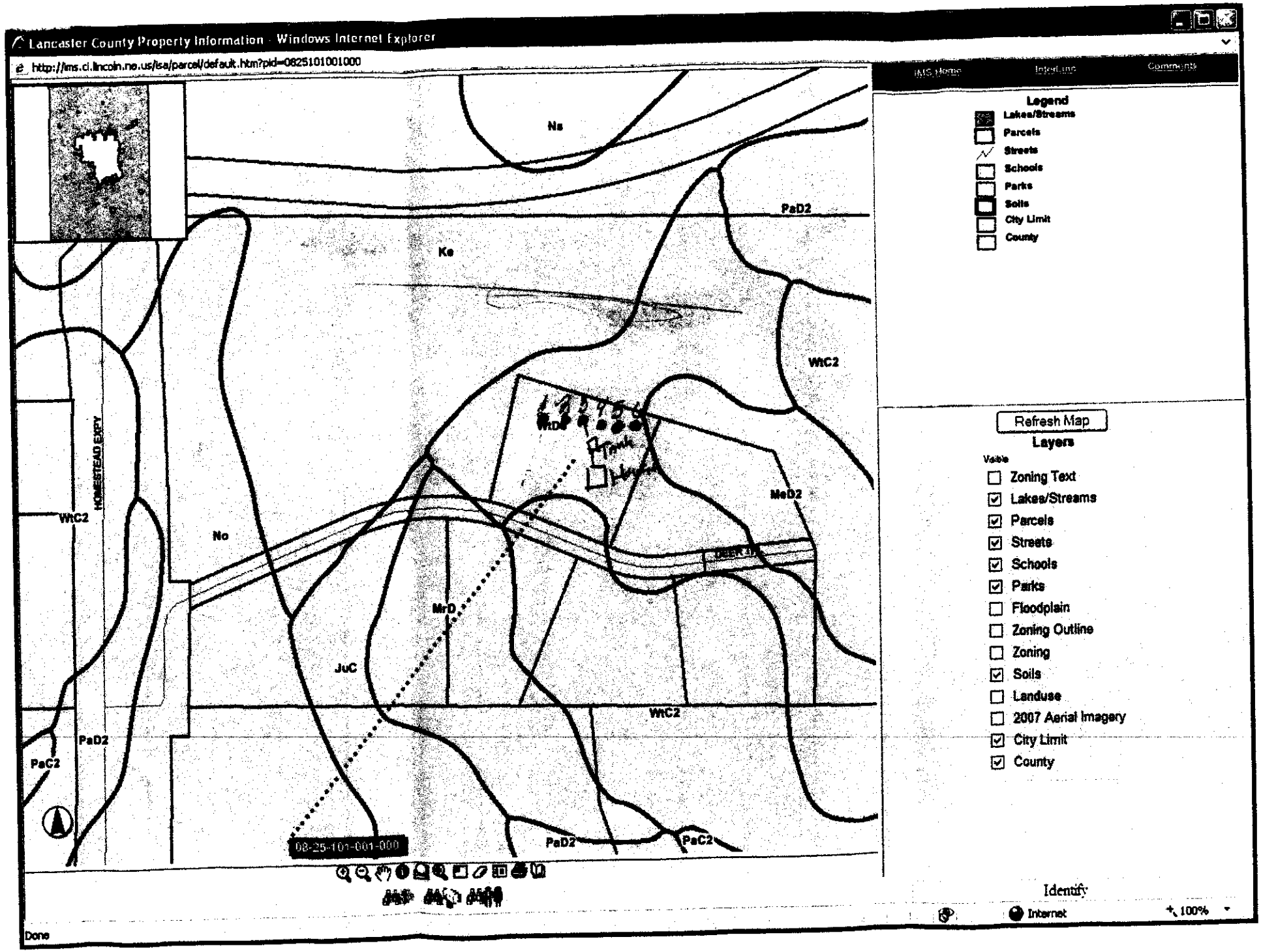
## D. Setbacks Check the Boxes Below if the Required Setback has been Satisfied

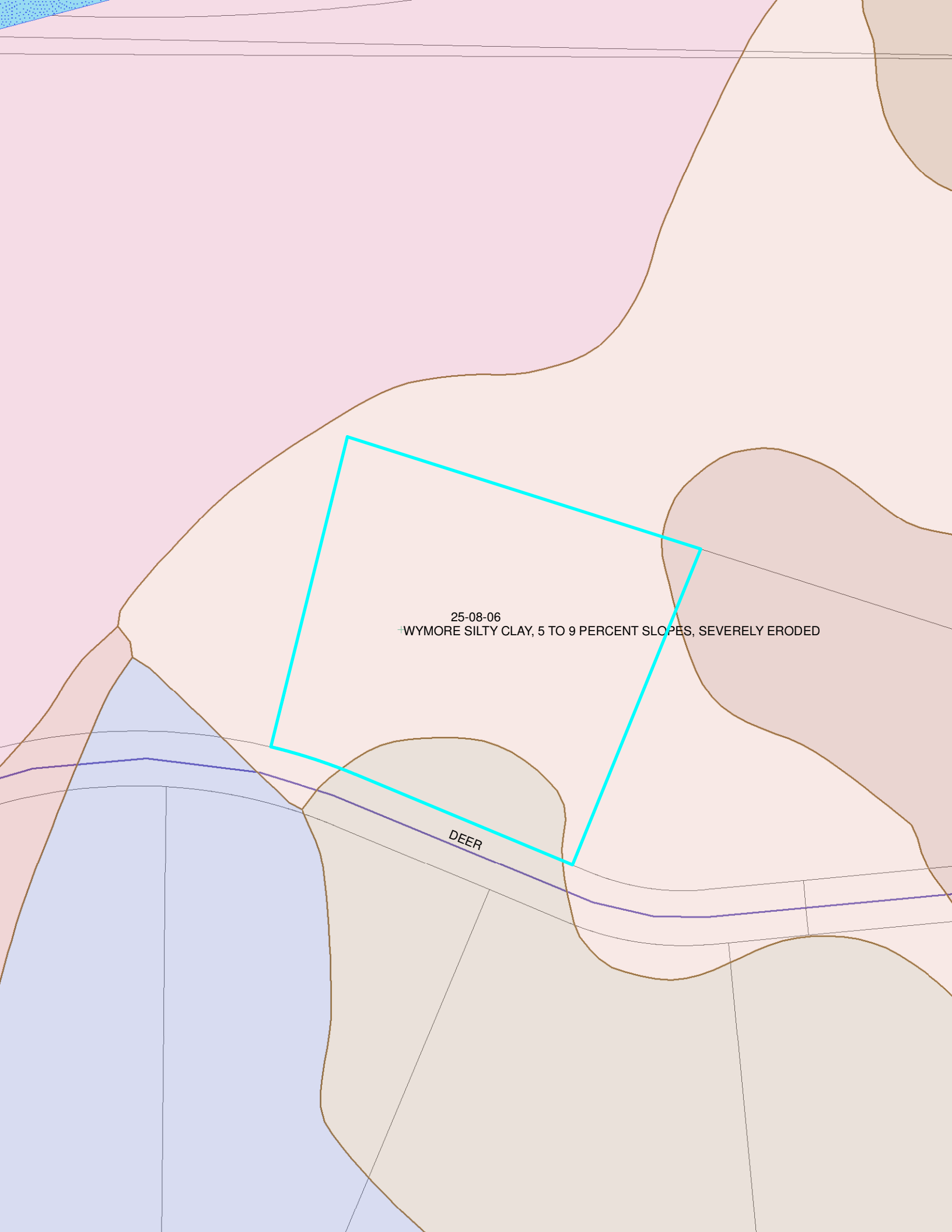
| Distance From | Private Well | Public Well | Surface Water | Gound Water | Pressure Water Lines | Property Lines | Foundations Yours | Foundations Neighbors | All Other Setbacks |
|---|---|---|---|---|---|---|---|---|---|
| Tank (ft) | 50 ☐ | 500 ☐ | 50 ☐ | NA ☐ | 25 ☐ | 20 ☐ | 15 ☐ | 25 ☐ | ☐ |
|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

## E. Required Signatures

[redacted] Installer [redacted] Date 11-20-08

FORM 23-102 10-96


Lancaster County Property Information - Windows Internet Explorer
http://lms.ci.lincoln.ne.us/isa/parcel/default.htm?pid=0825101001000
IMS Home
InterLinc
Comments
Legend
Lakes/Streams
Parcels
Streets
Schools
Parks
Soils
City Limit
County
Refresh Map
Layers
Visible
Zoning Text
Lakes/Streams
Parcels
Streets
Schools
Parks
Floodplain
Zoning Outline
Zoning
Soils
Landuse
2007 Aerial Imagery
City Limit
County
Ns
PaD2
Ke
WtC2
HOMESTEAD EXPY
WtC2
No
MeD2
MrD
JuC
WtC2
PaD2
PaC2
08-25-101-001-000
PaD2
PaC2
Identify
Internet
100%
Done


25-08-06
WYMORE SILTY CLAY, 5 TO 9 PERCENT SLOPES, SEVERELY ERODED
DEER

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

MAR 23 2009

**D**

Permit Number:

# Onsite Wastewater Treatment System

## As Built Plans & Specifications

Date 3-20-09 Legal Description NW 25-8-6e Deer Trail Lot 1
(1/4 1/4 Section Township Range)

### Onsite System Location

Address (no rural route) 1400 Deer Trail City Roca NE, Zip 68430
Owner Bryan Gunter Address 3010 S. 72nd St Lincoln, NE 68506

### A. Sewer Pipe

1. Material: SDR 26
   Diameter: 4 in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 18 in.
3. Distance between dwelling and septic tank: 123 ft.
4. Number of clean-outs: 2
5. Distances to: well or suction line 100+ ft.
   stream 100+ ft.
   pressure line 100+ ft.
   property line 100+ ft.

### B. Septic Tank

☑ Label with Manufacturer, address and gallon capacity

1. Material: concrete
   Number of compartments: one
2. Capacity: 1500 gal.
3. Factory built: ☑ Yes ☐ No
4. Manholes: Over inlet, diameter 24 in.
   Over outlet, diameter 24 in.
   Riser: ☐ above ☐ below grade at grade in.
5. Inlet: ☑ baffle ☐ tee ☐ 6" dia. inspection pipe
6. Outlet: ☑ baffle ☐ tee ☐ 6" dia. inspection pipe
7. Depth to top of tank, below unfinished grade: 18 in.
8. Distances to: Well or suction line 100+ ft.
   Stream 100+ ft.
   Pressure line 100+ ft.
   Property line 100+ ft.

### C. ☐ Distribution Box ☐ Drop Boxes

(≥ 12" inspection opening) (removable lid to inspect)

1. Material: 3 End caps.
   Number available outlets: 3 per cap
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: 13' 23' 33' ft.

### D. Drainfield Absorption

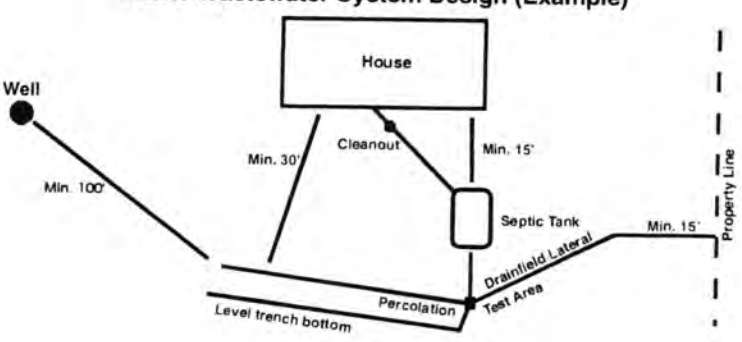
☑ Trench ☐ Bed ☐ Level Bottom

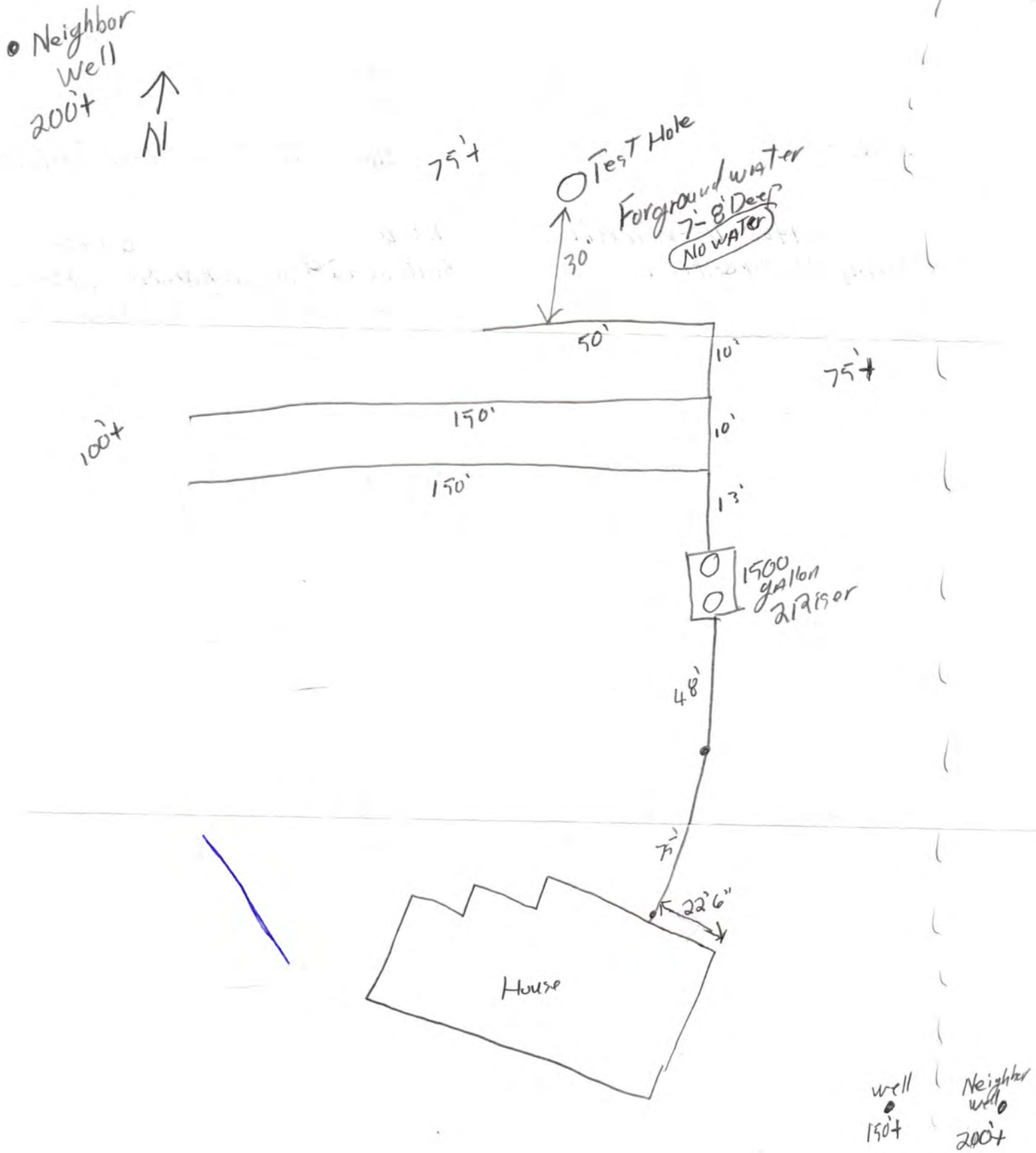
1. Type: ☑ Half rounds ☐ Perforated pipe ☐ Chambers
   Diameter or width: 34" wide X 12" Tall
   Number of distribution lines in bed _____
   Material: ☑ fiberglass ☑ plastic ☐ concrete
   ☐ other _____
2. Drainfield Laterals: Number 3
   Length of each line: 150 ft. 150 ft.
   50 ft. _____ ft., _____ ft.
3. Drainfield dimensions: Width 40" ft.
   Distribution Pipe Slope Flat in/100 ft.
   Average depth 28"-32" in
4. Filter material: Dirt
   Depth of material 28" x 32" in.
5. Distances to: Well or suction line 100' ft.
   Pressure line 100' ft.
   Property line 75' ft.
   House or building 100' ft.
   Lake or Stream 100' ft.

**Complete As-Built drawing on the back fo this form.**

**Onsite Wastewater System Design (Example)**

Indicate North with Arrow




Neighbor Well 200'+
N
75'+
Test Hole
Forground water 7-8' Deep
NO WATER
30'
50'
10'
75'+
100'+
150'
10'
150'
13'
1500 gallon 2 Risor
48'
7'
22'6"
House
well 150'+
Neighbor well 200'+