# Lincoln-Lancaster County Health Department
## ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

(402) 441-8000

009554

Permit: SEWAGE INSTALLATION
LAGOON

Establishment: PAUL IWAN
T8N R8E SEC 35
LOT 11
16815 HICKMAN RD

Permittee: PAUL IWAN
4000 NORTHLUND DR
APT 14
LINCOLN NE 68504

Permit # 06380324801

Issued 09/19/06
Expires 09/19/07
Revenue Code 3157

FEES: $275.00

TOTAL: $275.00

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

B

Permit Number:

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

PLEASE PRINT OR TYPE

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

Address 16815 Hickman Rd (no rural route) City Bennett NE, Zip 68317

Owner Paul Iwan Address 2600 Jane Ln Lincoln, NE 68512

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

Date of Tests 12/27/06 to 12/28/06 Weather: Precipitation Ø Temperature 44°

### 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 | 39 | 12/27 | 11:15a | 12/27 | 3:15p | 12/28 | 8:00a | 10 | 12/28 | 12:00p | 30 | 7/8 | 34 |
| 2 | 48 | " | " | " | " | " | " | " | " | " | " | 5/8 | 48 |
| 3 | 40 | " | " | " | " | " | " | " | " | " | " | 1/2 | 60 |
| 4 | 39 | " | " | " | " | " | " | " | " | " | " | 3/4 | 40 |
| 5 | 48 | " | " | " | " | " | " | " | " | " | " | 1/2 | 60 |
| 6 | 48 | " | " | " | " | " | " | " | " | " | " | 1/2 | 60 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

### Person Conducting Percolation Tests

Name: Terri Jakoubek, Raymond Contracting, Inc
Phone: 402-783-2463 or 402-890-3870
Address 13800 NW 70th St
Raymond, NE 68428 # C1197

Sum of Percolation Rates: 302
Average of Rates: 50
Rate Used for Calculation: 60 (Compl. Variance)

DO NOT WRITE BELOW THIS LINE

### Reviewing Action

Remarks

Signature of Reviewing Official Date

FORM 23-101 10-96

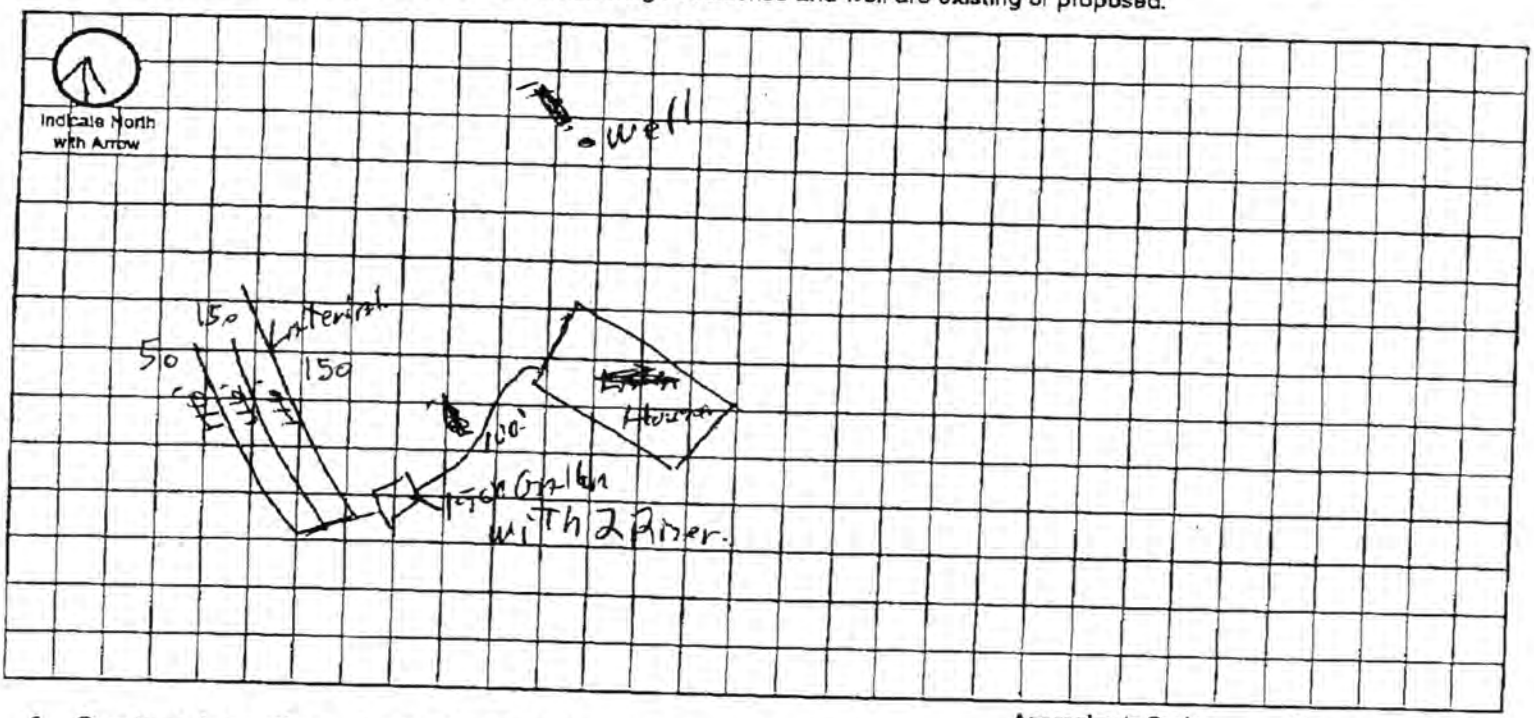
Field Meter "D"

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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 lines

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

Address (no rural route) 11815 Hickman Rd City Bennett NE, Zip 68317

NW¼ 35-T8-R8 Lot 11

## B. Proposed Septic Tank/s

4 Bedroom

Tank Material: ☒ Concrete ☐ Plastic ☐ Other ____

## 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: 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 ____

Total Length of Laterals 350 ft. Number of Trenches 3 Trench Width 40"

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

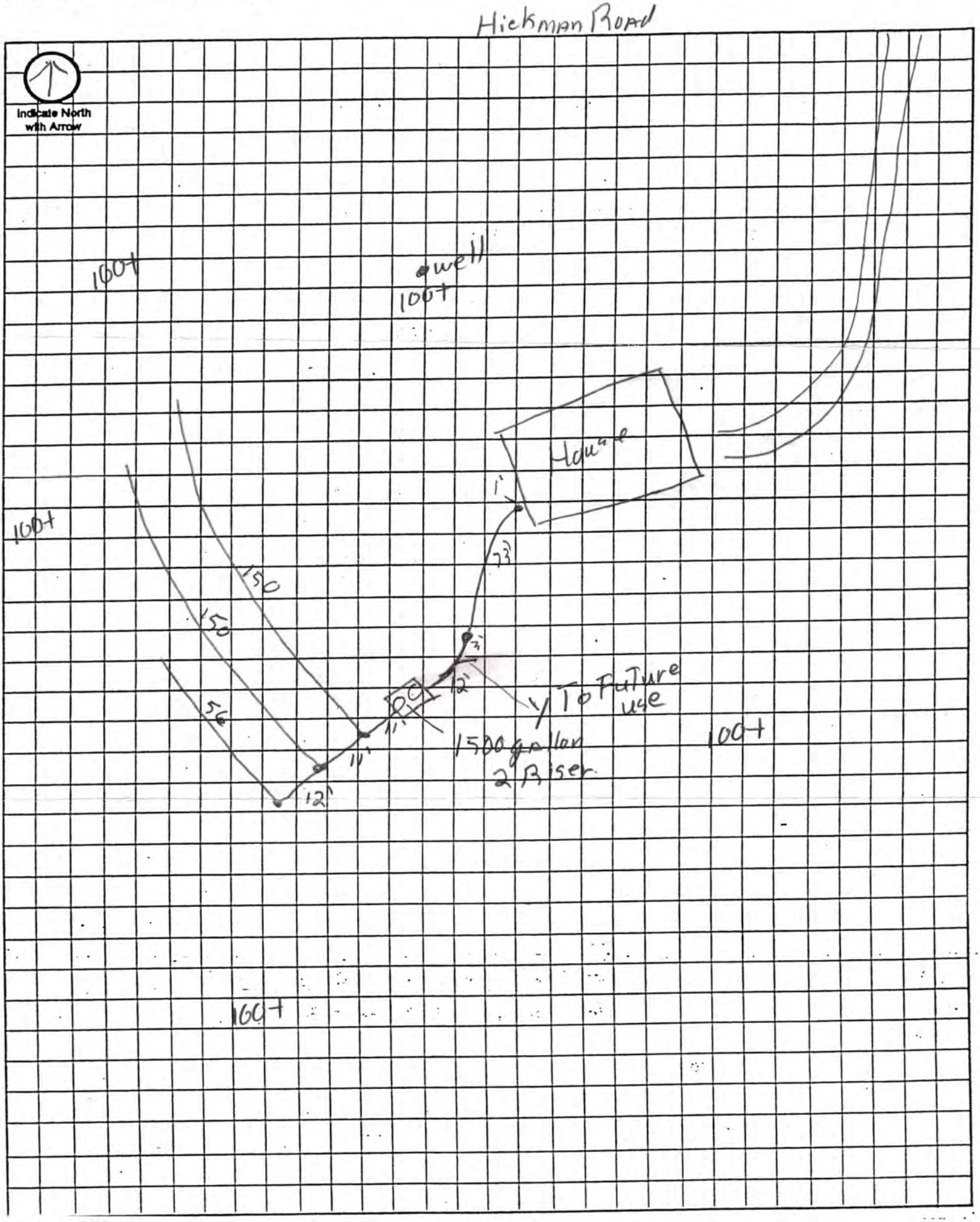
| Distance From | Private Well | Public Well | Surface Water | Gound Water | Pressure Water Lines | Property Lines | Foundations Yours | Foundations Neighbors | All Other Setbacks |
|---|---|---|---|---|---|---|---|---|---|
| Tank (ft) | 50 ☒ | 500 ☒ | 50 ☒ | NA ☒ | 25 ☒ | 20 ☒ | 15 ☒ | 25 ☒ | ☒ |
| 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 Lloyd J. Jakubs Date 1/8/07.

# As Built Drawing



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

JAN 12 2007

D

Permit Number:

# Sewage Disposal System

## As Built Plans & Specifications

NW ¼ 35 - T8 - R8 Lot 11
Iwan

Date 1/10/07

**System Location (Indicate correct number and street)**

Address 16815 Hickman Rd. (no rural route) City Bennett NE, Zip 68317

## A. Building Sewer

1. Material: class 160
   Diameter: 4 in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 38 in.
3. Distance between dwelling and septic tank: 88 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

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. Outlet: ☒ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 20 in.
8. Distances to: Well or suction line 100 ft.
   Stream 100 ft.
   Pressure line 100 ft.
   Property line 100 ft.

## C. Distribution Box

1. Material: 3 - Plastic Endcap.
   Number available outlets: 3 Each Endcap
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 11' 22' 34' ft.

## D. Absorption Field

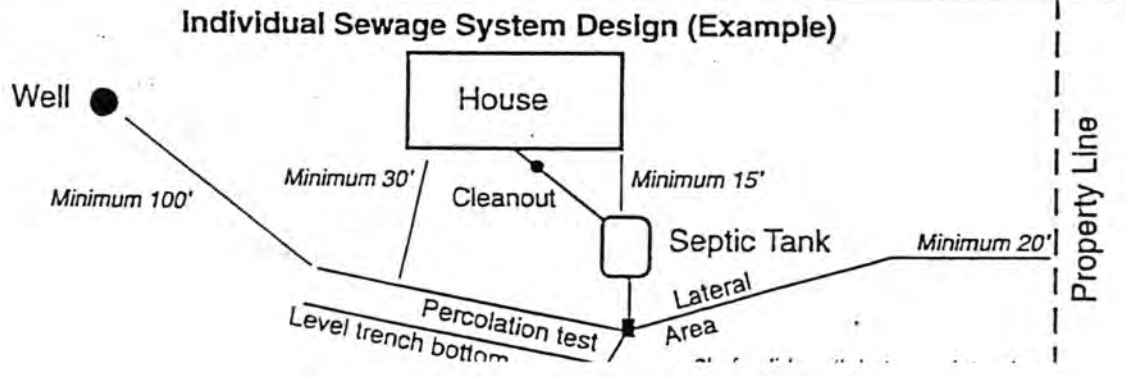
*(Provide as-built drawings on back of this form)*

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: 34" wide 12" Tall
   ~~or perforated pipe:~~ Quick 4
   Material: ☒ fiberglass ☒ plastic ☐ concrete
   ☐ other _____
2. Lateral lines: Number 3
   Length of each line: 150 ft. 150 ft.
   56 ft. _____ ft., _____ ft.
3. Trench dimensions: Width 40" ft.
   Slope Flat in/100 ft.
   Average depth 36"-42 in
4. Filter material: Dirt
   Depth of material 36-42 in.
5. Distances to: Well or suction line 100+ ft.
   Stream 100+ ft.
   Pressure line 100+ ft.
   Property line 100+ ft.

Indicate North with Arrow

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

**Individual Sewage System Design (Example)**




FORM 23-103 10-96