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 16880 N. 14 (no rural route) City RAYMOND NE, Zip 68428

Owner Toms Sears Addresss 16900 N. 14th

Soil Type (SCS): Morrill Clay loam Percolation Rate: 60 min./inch

Date of Tests 10-5-07 to 10-6-07 Weather: Precipitation 65° Temperature ND

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	10-5	7—	10-5	11-	10-6	1120	6	10-6	320	30	3/4	40
2	48	x	x	x	x	x	x	x	x	x	x	2 5/8	11.43
3	34	x	x	x	x	x	x	x	x	x	x	1/2	60
4	42	x	x	x	x	x	x	x	x	x	x	5/8	48
5	36	x	x	x	x	x	x	x	x	x	x	1 5/8	18.46
6	33	x	x	x	x	x	x	x	x	x	x	1/2	60

Sum of Percolation Rates: 237.89

Average of Rates: x

Rate Used for Calculation: 60

Person Conducting Percolation Tests

Name: Kurt J Vinzl

Phone: 402-525-6681

Address 4620 W. Mary Louise Ln Lincoln, Ne 68528

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks

Signature of Reviewing Official Date

FORM 23-101 10-96

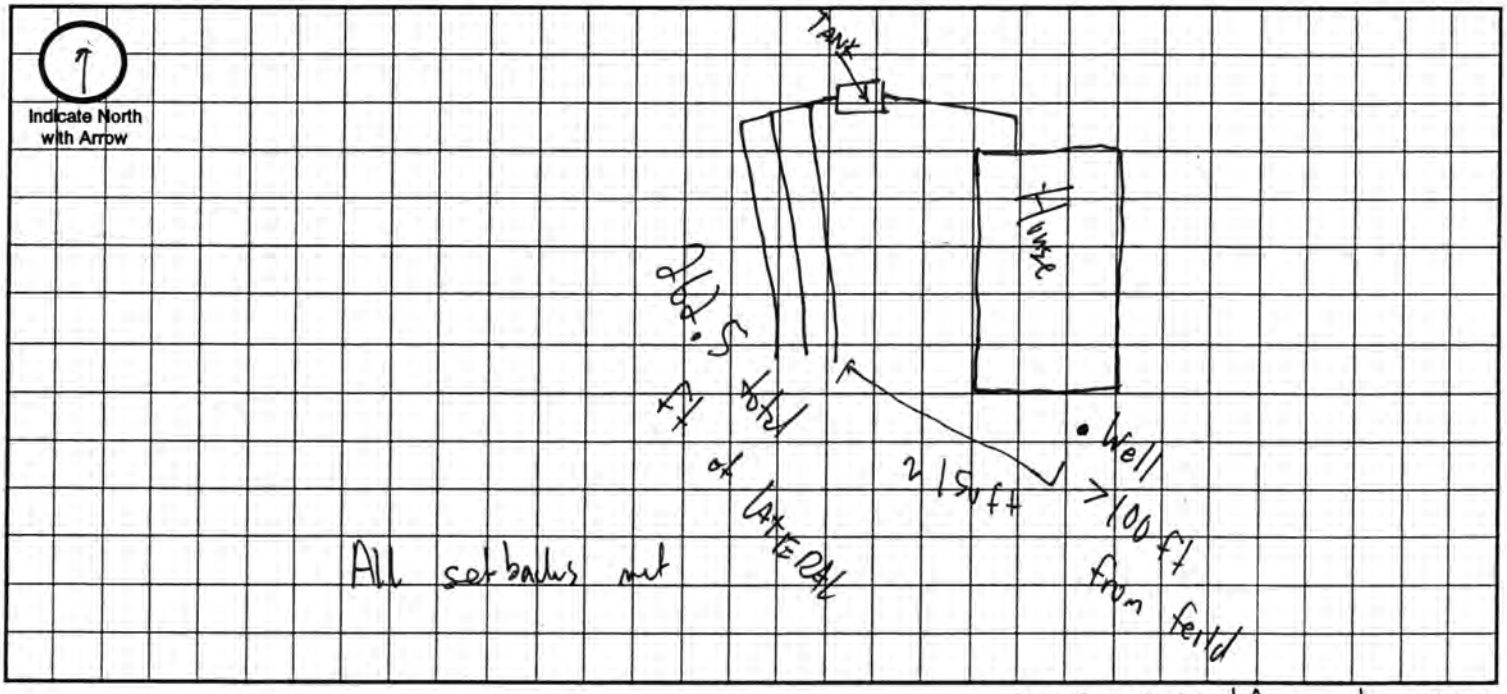
Lincoln-Lancaster County Health Department
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C

Permit Number:

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: 10 ft. = 1 grid line/s

A. System Location (Indicate correct number and street)

Address (no rural route) 16880 N 14th 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 60 (min. per inch) Soil Type: Marsh Clay Loam Land Slope: 5 %

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 1500 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals 262.5 ft. Number of Trenches 3 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 _____

Installer _____ Date 12-4-07

FORM 23-102 10-96

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

D

Permit Number:

Sewage Disposal System

As Built Plans & Specifications

Date 12-29-07

System Location (Indicate correct number and street)

Address 16880 N. 14th (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: 18 in.
3. Distance between dwelling and septic tank: 70 ft.
4. Number of clean-outs: 1
5. Distances to: well or suction line > 100 ft.
   stream > 50 ft.
   pressure line > 25 ft.
   property line > 20 ft.

B. Septic Tank

1. Material: Concrete
   Number of compartments: 1
2. Capacity: 1500 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter 20 in.
   Over outlet, diameter 20 in.
   Riser: ☒ above ☐ below grade — 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 > 100 ft.
   Stream > 50 ft.
   Pressure line > 25 ft.
   Property line > 20 ft.

C. Distribution Box

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

D. Absorption Field

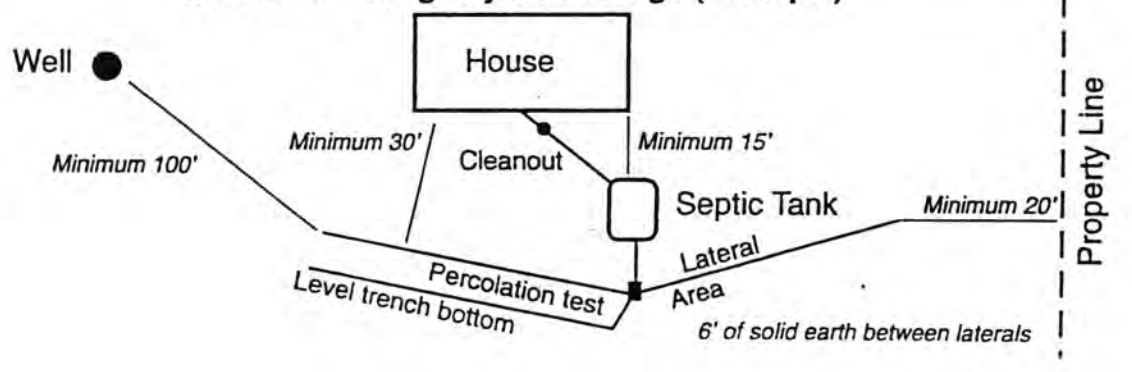
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: 3
   or perforated pipe: —
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other —
2. Lateral lines: Number 3
   Length of each line: 100 ft. 100 ft.
   64 ft. — ft., — ft.
3. Trench dimensions: Width 3 ft.
   Slope 0 in/100 ft.
   Average depth 48 in
4. Filter material: —
   Depth of material — in.
5. Distances to: Well or suction line > 100 ft.
   Stream > 50 ft.
   Pressure line > 25 ft.
   Property line > 20 ft.

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

Indicate North with Arrow

Individual Sewage System Design (Example)

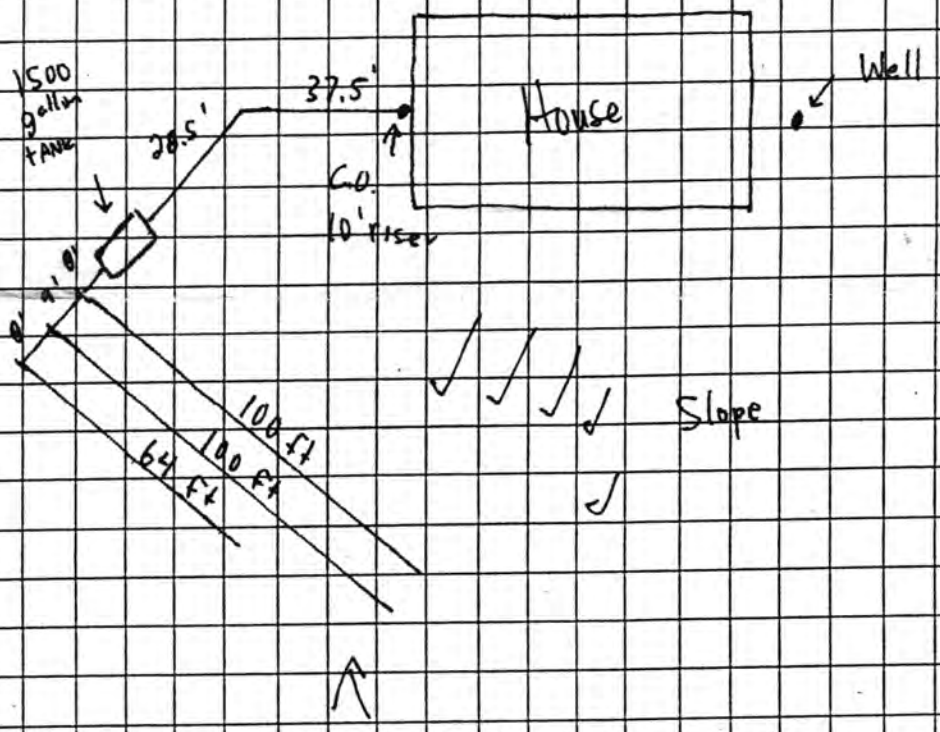


FORM 23-103 10-96

As Built Drawing

H = 10 ft

Indicate North with Arrow



Slope

4 ft depth = 3 ft cover

All setbacks met

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