LINCOLN-LANCASTER COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

3140 "N" STREET Lincoln, NE 68510-1514 (402) 441-8000

NON TRANSFERABLE

PERMIT

Permit
SEWAGE INSTALLATION
SEPTIC SYSTEM

No. 98380176001

Issued 05/14/98
Expires 11/14/98
Revenue Code 3157

FEES: $150.00

PAID

Establishment
ALLEN OLIVA
T12N R6E SEC 31 QTR SE
SUN USE ACRES LOT 7
15201 NW 42 ST-RAYMOND

TOTAL $150.00

Permittee
ALLEN OLIVA
421 N BELL ST
LINCOLN NE 68528

Issued By Health Director
Lincoln-Lancaster County Health Department

007368

THIS LICENSE OR PERMIT IS ISSUED SUBJECT TO REVOCATION AS PROVIDED BY LAW "POST IN A PROMINENT PLACE"

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

A

Permit Number:

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 15201 N.W. 42ND (no rural route) City RAYMOND NE, Zip 68428

Legal Description SE¼ (1/4) 31 (Section) 12N (Township) R6E OF 6TH P.M. (Range) SUN USE ACRES (Subdivision) 7 (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 ALLEN OLIVA Signature _____

Address 421 N. BELL City/State/Zip LINCOLN, NE 68528

☐ Check if owner designed system Home Phone 476-0620 Work Phone 467-7440

C. Contractor

Name ROB CHAMPOUX Company Name PRAIRIE HOME BUILDERS

Address P.O. BOX 84891 City/State/Zip LINCOLN, NE 68501

☐ Check if contractor designed system Work Phone 4766599 — 730-7302

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

Designer Name LARRY SCHARCK Firm " " Work Phone 430-6113

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 5/14/98 Date frwd 5/14/98 ACTION ☒ Approved ☐ Disapproved Signature Jerrold C. Hood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 51398 Date frwd 5-13-98 ACTION ☒ Approved ☐ Disapproved Signature Nancy Petri, Village Clerk
3. **City or County Engineer** Date rec'd 05/14/98 Date frwd _____ ACTION ☐ Approved ☐ Disapproved Signature _____

5-19-98

Installation Final Written Approval

By Ron Mayhew

Date 5-21-98

Business Office Use Only

Date Rec'd 5-14-98
Amt Paid #150.00
Rec'd By rdf Cash/Check No. 7651

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

Ron Markwart

B

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

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 15201 NW 42nd (no rural route) City Raymond NE, Zip NE 68428

Owner Hill Oliva Addresss 421-N BELL

Soil Type (SCS): Sharpsburgh SHO2 Percolation Rate: 48 min./inch

Date of Tests 5-11-98 to 5-12-98 Weather: Precipitation .10 Rain Temperature 75 °F.

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"	5-11	10:30	5-11	3:00	5-12	10:45	6"	5-12	3:00	30	1	30
2	36"	5-11	10:30	5-11	3:00	5-12	10:45	6"	5-12	3:00	30	7/8	34.28
3	36"	5-11	10:30	5-11	3:00	5-12	10:50	6"	5-12	3:00	30	3/4	40
4	36"	5-11	10:30	5-11	3:00	5-12	10:50	6"	5-12	3:00	30	7/8	34.28
5	36"	5-11	10:30	5-11	3:00	5-12	10:45	6"	5-12	3:00	30	5/8	48
6	36"	5-11	10:30	5-11	3:00	5-12	10:50	6"	5-12	3:00	30	7/8	34.28

Person Conducting Percolation Tests

Name: Phillip Malley
Phone: 438-3349
Address Rt 6 Lincoln NE 68532

Sum of Percolation Rates: 220.84
Average of Rates: 36.81
Rate Used for Calculation: ~~48~~ 37

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks Percolation test was moved to the west and up the hill to get into Sharpsburg Silty Clay loam

Signature of Reviewing Official Ron Markwart Date 4-13-98

FORM 23-101 10-96

N. Ramirez

1 - 1" ~~30~~ 30 ÷ 1 = 30 mph

2. $\frac{7}{8}$ $30 \div \frac{7}{8} = 30 \times \frac{8}{7} = \frac{240}{7}$ $7\overline{)240}$ $\frac{34}{}$ 34 mph

21

30

28

3 - $\frac{3}{4}$ $30 \div \frac{3}{4} = 30 \times \frac{4}{3} = \frac{120}{3}$ 40 mph

4 - $\frac{7}{8}$ = 34 mph

5 - $\frac{5}{8}$ $= 30 \div \frac{5}{8} = 30 \times \frac{8}{5} = \frac{240}{5}$ $5\overline{)240}$ $\frac{48}{}$ 48 mph

20

40

6. $\frac{7}{8}$ = 34

30
34
40
34
48
34
220

$6\overline{)220}$ $\frac{36}{}$: 37

18

40

36

4

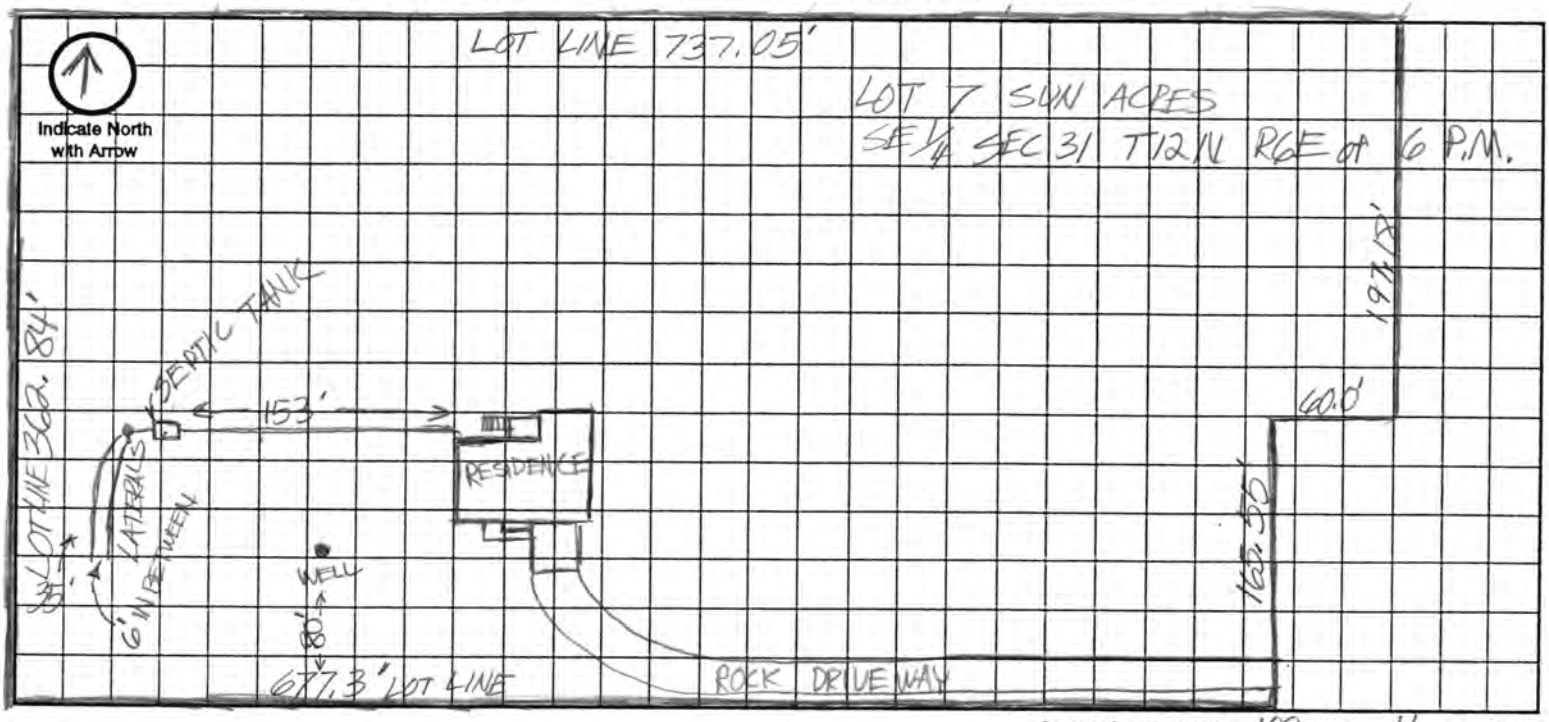
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

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: 100 ft. = 4 grid line/s

A. System Location (Indicate correct number and street)

Address (no rural route) 15201 NW 42 ND 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 ~~48~~ 37 (min. per inch) Soil Type: SH02 Land Slope: 15 %

Type of Absorption System: ☐ Trench ☒ Bed ☐ Other

Total Square Feet of Field Required: ~~832~~ 1248 sq. ft. 4 lines @ 312 sq ft

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

Capacity of Septic Tank 1000 gals Number of Absorption Beds: 1 Number of Distribution Laterals per Bed 2

Total Length of Laterals 208 ft. Number of Trenches 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

Home Building Contractor ROB CHAMPOUX / PRAIRIE HOMES Date 5-13-98

Installer (Lonny Schwarck signed a separate sheet.) Date

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 _____

System Location (Indicate correct number and street)

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

A. Building Sewer

1. Material: PVC
   Diameter: 4" in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: _____ in.
3. Distance between dwelling and septic tank: 150 ft.
4. Number of clean-outs: 2
5. Distances to: well or suction line _____ ft.
   stream _____ ft.
   pressure line _____ ft.
   property line _____ ft.

B. Septic Tank

1. Material: CONC.
   Number of compartments: _____
2. Capacity: _____ gal.
3. Factory built: ☐ Yes ☐ No
4. Manholes: Over inlet, diameter _____ in.
   Over outlet, diameter _____ in.
   Riser: ☐ above ☐ below grade _____ in.
5. Inlet: ☐ baffle ☐ tee
6. Outlet: ☐ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: _____ in.
8. Distances to: Well or suction line _____ ft.
   Stream _____ ft.
   Pressure line _____ ft.
   Property line _____ ft.

C. Distribution Box

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

D. Absorption Field

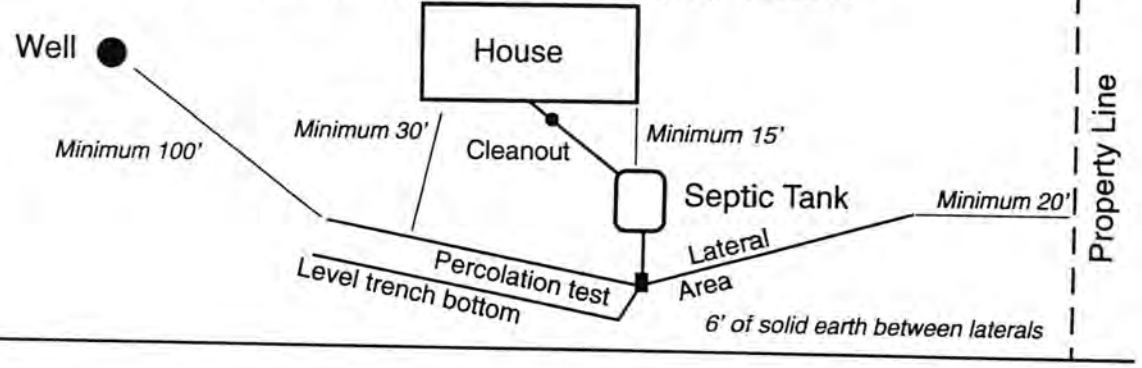
(Provide as-built drawings on back of this form)

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

Indicate North with Arrow

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

Individual Sewage System Design (Example)



FORM 23-103 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 _____

System Location (Indicate correct number and street)

Address 15201 NW 42 (no rural route) City Raymond NE, Zip _____

A. Building Sewer

1. Material: class 160
   Diameter: 4 in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: _____ in.
3. Distance between dwelling and septic tank: 160' ft.
4. Number of clean-outs: _____
5. Distances to: well or suction line _____ ft.
   stream _____ ft.
   pressure line _____ ft.
   property line _____ ft.

B. Septic Tank

1. Material: Precast
   Number of compartments: _____
2. Capacity: 1000 gal.
3. Factory built: ☒ Yes ☐ No
4. Manholes: Over inlet, diameter _____ in.
   Over outlet, diameter _____ in.
   Riser: ☐ above ☐ below grade _____ in.
5. Inlet: ☐ baffle ☐ tee
6. Outlet: ☐ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 8 in.
8. Distances to: Well or suction line 100 ft.
   Stream _____ ft.
   Pressure line _____ ft.
   Property line _____ ft.

C. Distribution Box

1. Material: PreCast
   Number available outlets: _____
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 12' ft.

D. Absorption Field

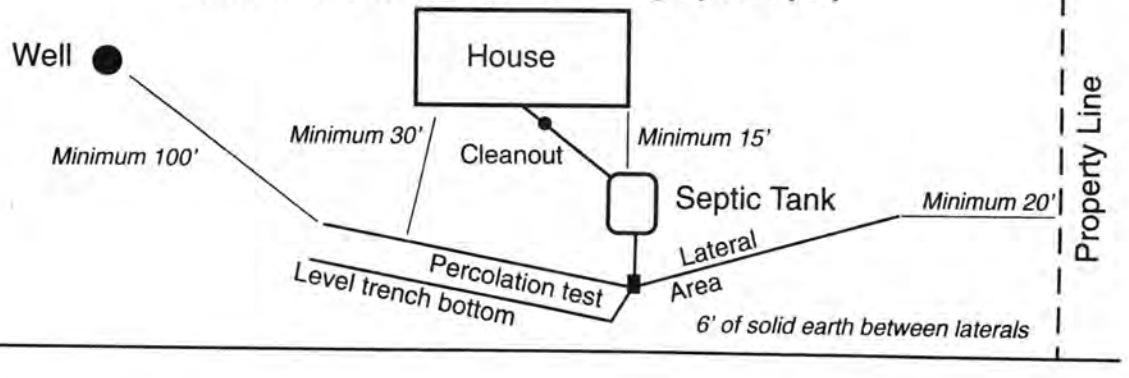
(Provide as-built drawings on back of this form)

1. Type: ☐ Half rounds ☐ Perforated pipe
   Diameter of half round: 16" Infiltrator
   or perforated pipe: _____
   Material: ☐ fiberglass ☐ plastic ☐ concrete
   ☐ other _____
2. Lateral lines: Number 3
   Length of each line: 102 ft. 102 ft.
   8 ft. _____ ft., _____ ft.
3. Trench dimensions: Width 4 ft.
   Slope — in/100 ft.
   Average depth 36 in
4. Filter material: Road Gravel
   Depth of material 18 in.
5. Distances to: Well or suction line 110 ft.
   Stream _____ ft.
   Pressure line _____ ft.
   Property line _____ ft.

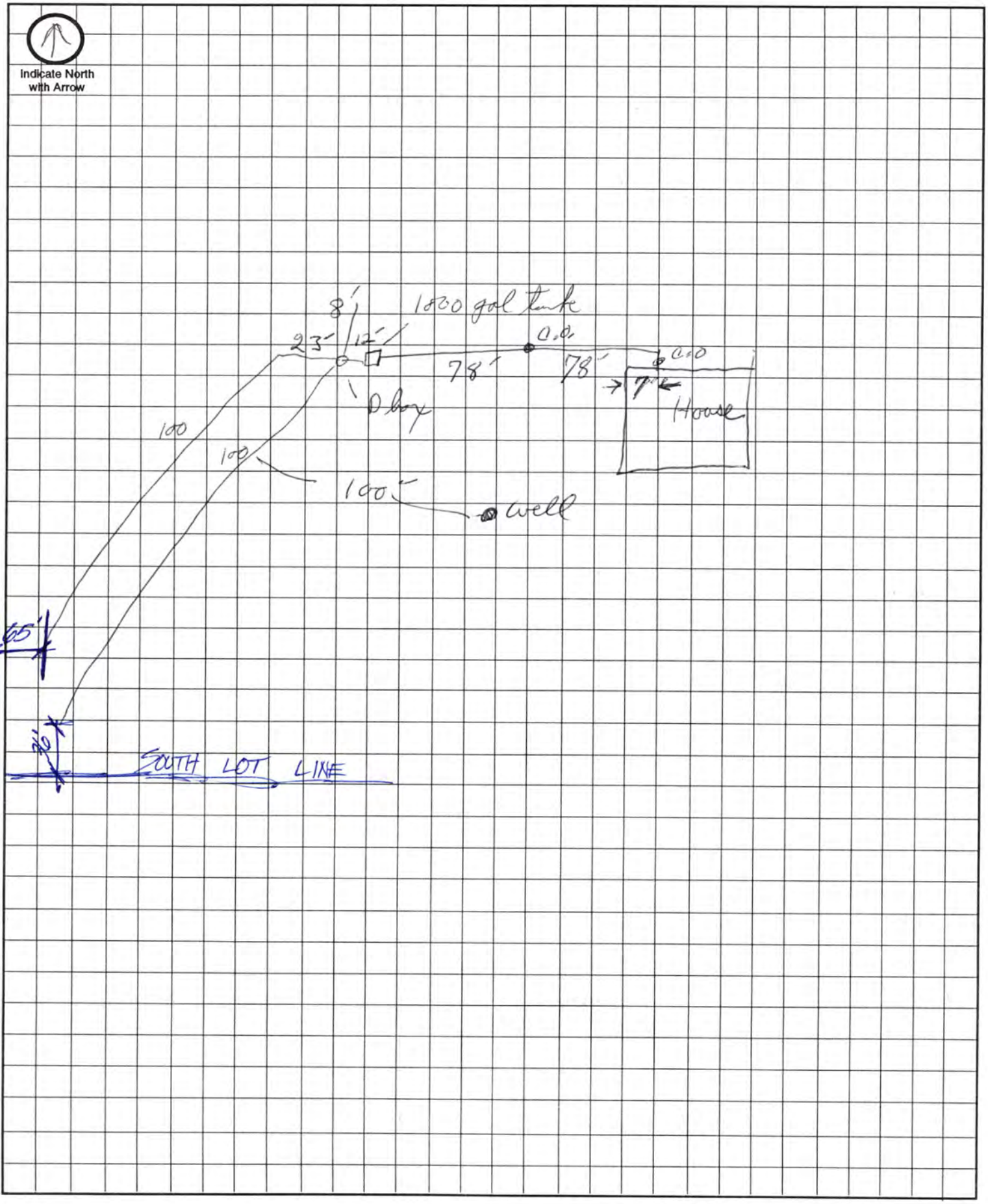
Indicate North with Arrow

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

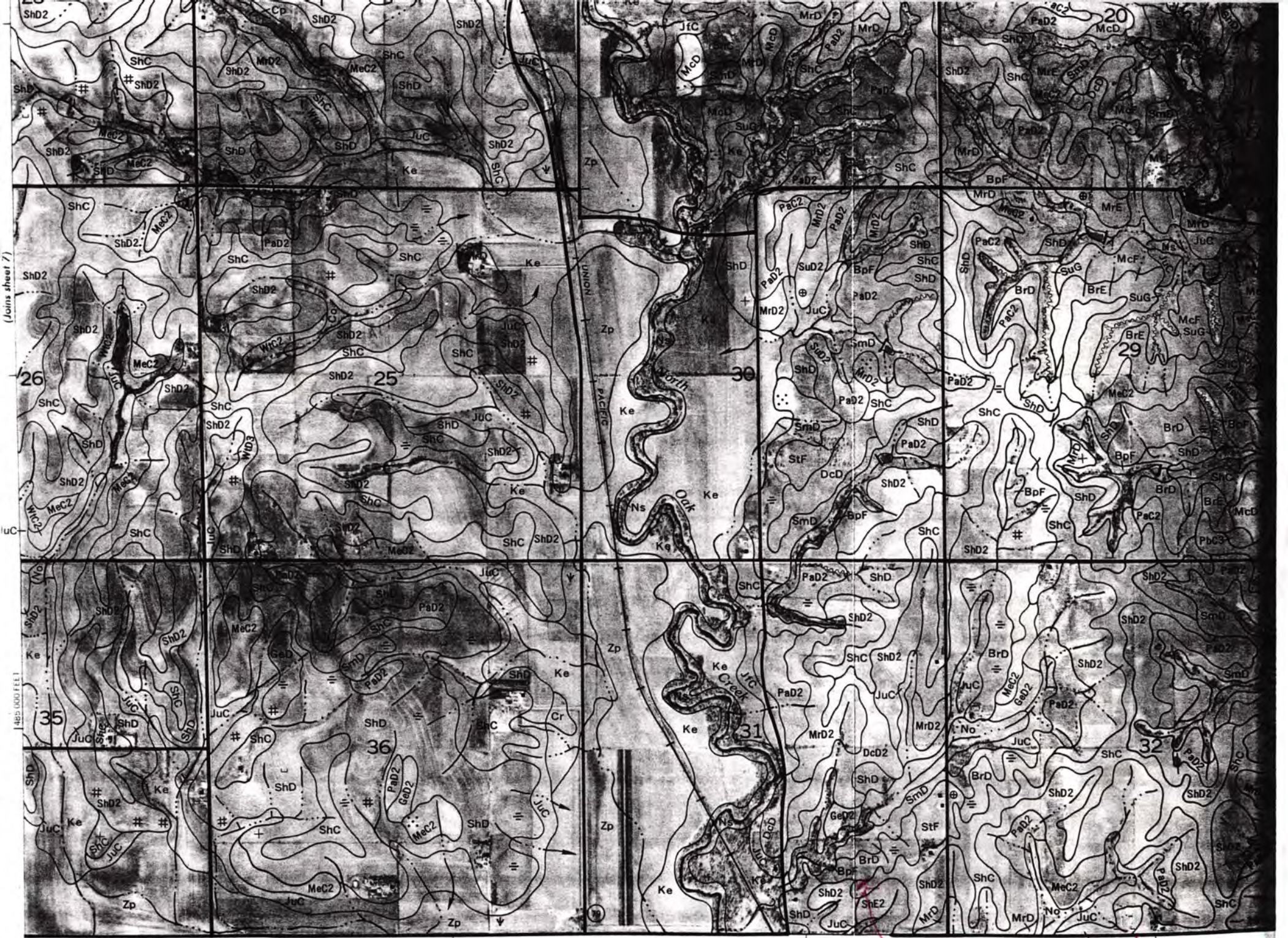
Individual Sewage System Design (Example)



As Built Drawing



Approximate Scale: _____ft. = _____ grid line/s


(Joins sheet 7)
(Joins sheet 13)
4851 000 FEET
2 740 000 FEET
UNION
PACIFIC
North
Oak
Creek
Ke
Zp
Ns
Cr
No
20
25
26
29
30
31
32
35
36
ShD
ShD2
ShC
MeC2
PaD2
JuC
MrD
MrD2
BpF
BrD
BrE
McF
SuG
SuD2
SmD
StF
DcD
DcD2
GeD2
ShE2
New septic
NW 40th
Raymond Rd