Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

003082

(402) 441-8000

Permit SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 03380271701

Issued 09/23/03
Expires 03/23/04
Revenue Code 3157

Establishment DAVE QUEEN
T11N R5E SEC 31
13999 W NE#34 HWY

FEES: $200.00

Permittee DAVE QUEEN
200 OGDEN RD
LINCOLN NE 68521

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

RECEIVED SEP 22 2003

A

Permit Number: 03380271701

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 13999 W Highway 34 (no rural route) City Lincoln NE, Zip 68402

Legal Description ~~1/4~~ ~~1/4~~ 31 11N 5 E of 6 PM (~~Metes~~) Lot 21 I.T. ~~Block~~ ~~Lot~~
1/4 1/4 Section Township Range Subdivision Addition

Geographical Location (if known): Longitude _____ Latitude _____

☒ Check if system mail address is not the same as the owner's address at this time

B. Owner

Name Dave Queen Signature Dave Queen

Address 200 Ogden Road City/State/Zip Lincoln NE 68521

☒ Check if owner designed system Home Phone 476-2282 Work Phone Cell 525-4370

C. Contractor

Name Dave's ~~Plumbing~~ Hurst Company Name Daves Plumbing Inc. SON 525-7086

Address 1635 Waverly Rd City/State/Zip Garland NE 68360

☐ Check if contractor designed system Work Phone 402-432-2865 476-2282

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

Designer Name Dave's Plumbing Firm Work Phone 402-432-4813

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** Date rec'd 9-22-03 Date frwd 9-22-03 **ACTION** ☒ Approved ☐ Disapproved Signature
6-10-04 Inst + tank 6-11-04 3 leach lines
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 9.30.03 Date frwd 9.30.03 **ACTION** ☒ Approved ☐ Disapproved Signature
House Not in zone A
3. **City or County Engineer** Date rec'd _____ Date frwd _____ **ACTION** ☒ Approved * ☐ Disapproved Signature
* System must be installed above the 100 Yr Flood Plain

Installation Final Written Approval

By Ron Mayer

Date 6-18-04

Business Office Use Only
Date Rec'd 09/23/03
Amt Paid 200.00
Rec'd By LS ~~Cash~~/Check No. 05

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:

Sewage Disposal System
Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 13999 W Hwy 34 (no rural route) City Lincoln NE, Zip 68402

Owner Dave Queen Addresss 200 Ogden Road

Soil Type (SCS): _____ Percolation Rate: 54 m/1in Average min./inch

Date of Tests 7/11 to 7/12 Weather: Precipitation 0 Temperature 83°

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	32	7/11	430 PM	7/12	800 AM	7/12	1155	12	7/12	1225	30	5/8"	48 m/1in
2	32	"	445 PM	7/12	"	"	1156	11 1/4	"	1226	30	5/8"	48 m/1in
3	32	"	500 PM	"	"	"	1157	9 7/8	"	1227	30	1/2"	60 m/1in
4	32	"	515	"	"	"	1158	12	"	1228	30	1/2"	60 m/1in
5	32	"	530	"	"	"	1159	7 1/4	"	1229	30	1/2"	60 m/1in
6	32	7/12	830 AM	"	1230	"	359	10 5/8	"	430	31	5/8"	48 m/1in
													324
													54
													6 324 30 24

Person Conducting Percolation Tests

Name: Dave Queen

Phone: 476-2282

Address 200 Ogden Rd Lincoln NE 68521

Sum of Percolation Rates: 324

Average of Rates: 54 m/1in

Rate Used for Calculation: ~~54~~ 60 54 min

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks Appears to be in Shrapsburg, Ron Margrat

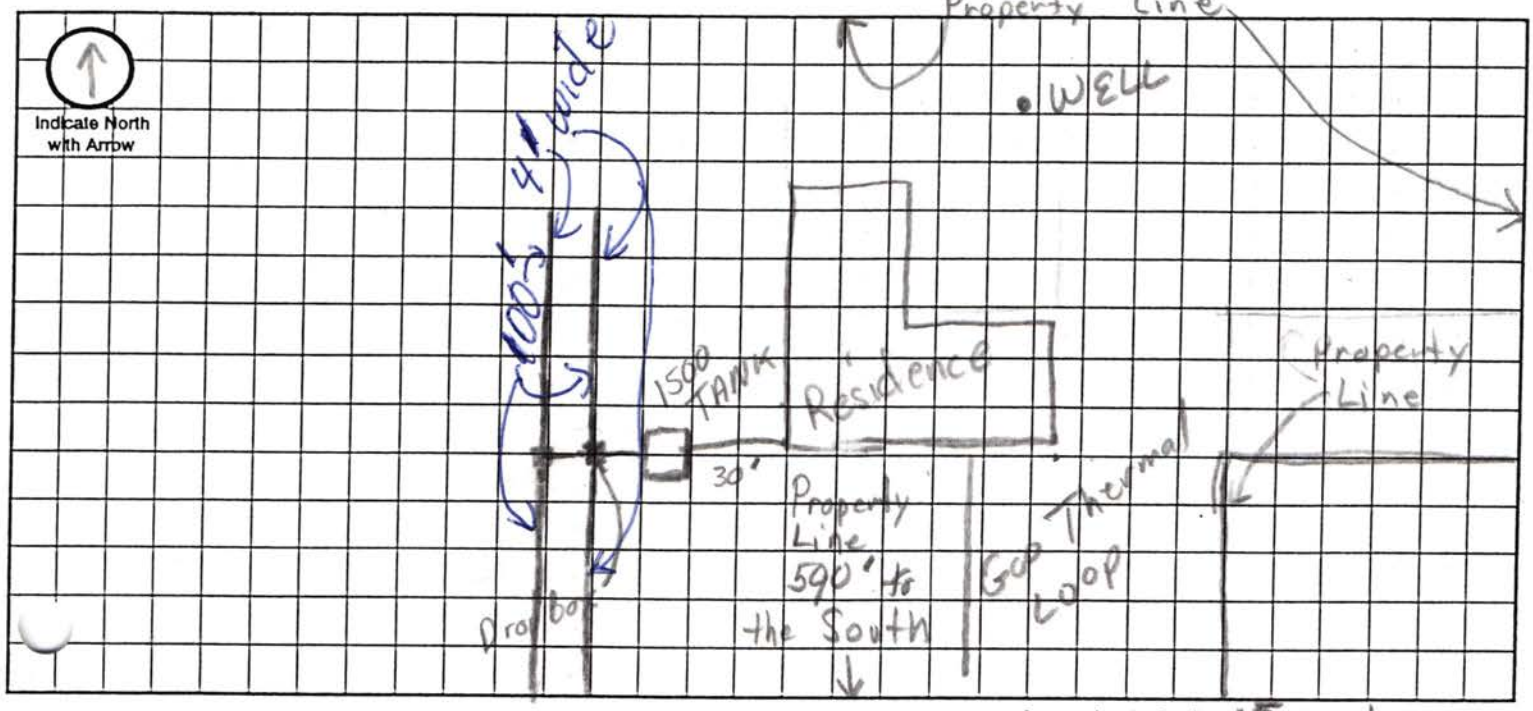
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

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: 15 ft. = 1 grid line/s

A. System Location (Indicate correct number and street)

Address (no rural route) 13999 W US Hwy 34 LC City Lincoln NE, Zip 68521

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ Plastic ☐ Other _____

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

Percolation Rate 54m/I (min. per inch) Soil Type: _____ Land Slope: 4 %

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

Total Square Feet of Field Required: 1400 sq. ft. 4/1400 35 40

Type of Lateral: ☐ Half-Moon ☐ Perforated Pipe ☒ Other Lateral Material: PVC Graveless Chamber

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 4 Trench Width 4 ft

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 ☐	☐
ld (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 Dave Queen (476-2282) Date 9/19/03

Installer Dave Hurst Davies Plumbing 432-2865 Date 9-22-03

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: 033-80 271701

Sewage Disposal System
As Built Plans & Specifications

JUL 1 2004

Date 6-11-04

System Location (Indicate correct number and street)

Address 13999 west Hw 34 (no rural route) City malcoln NE, Zip 68402

A. Building Sewer

1. Material: class 160 sch40 PVC
   Diameter: 4" in.
2. Distance above basement floor: ____ in.
   or distance below basement floor: 3 Ft in.
3. Distance between dwelling and septic tank: 75ft ft.
4. Number of clean-outs: 2
5. Distances to: well or suction line 350 ft.
   stream ____ ft.
   pressure line ____ ft.
   property line 506 ft.

B. Septic Tank

1. Material: Concrete
   Number of compartments: 3
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 ____ in.
5. Inlet: ☒ baffle ☐ tee
6. Outlet: ☒ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 30 in.
8. Distances to: Well or suction line 475 ft.
   Stream ____ ft.
   Pressure line ____ ft.
   Property line 431 ft.

C. Distribution Box

1. Material: ____
   Number available outlets: ____
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 81ft / 93ft / 105 ft.
   3 Prop Boxes

D. Absorption Field

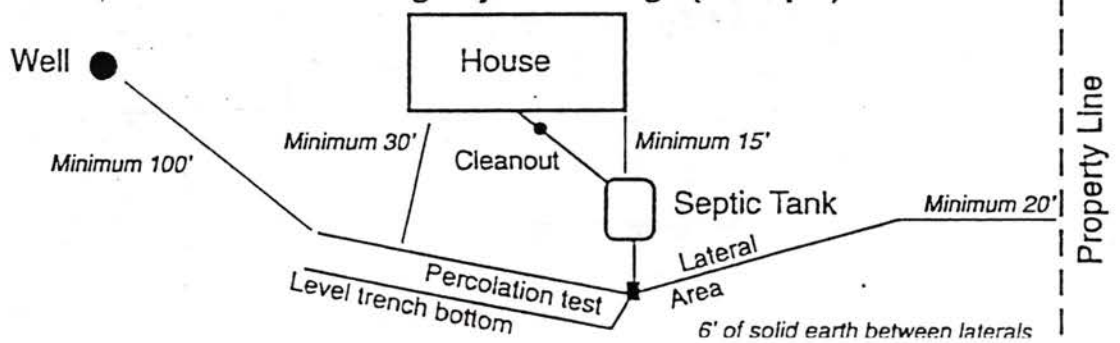
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: 12" x 32"
   or perforated pipe: ____
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other ____
2. Lateral lines: Number 3
   Length of each line: 102ft ft. 124ft ft.
   124ft ft. ____ ft., ____ ft.
3. Trench dimensions: Width 48" ft.
   Slope 0 in/100 ft.
   Average depth 24" in
4. Filter material: Road Gravel
   Depth of material 12" in.
5. Distances to: Well or suction line 530 ft.
   Stream ____ ft.
   Pressure line ____ ft.
   Property line 350 ft.

Indicate North with Arrow

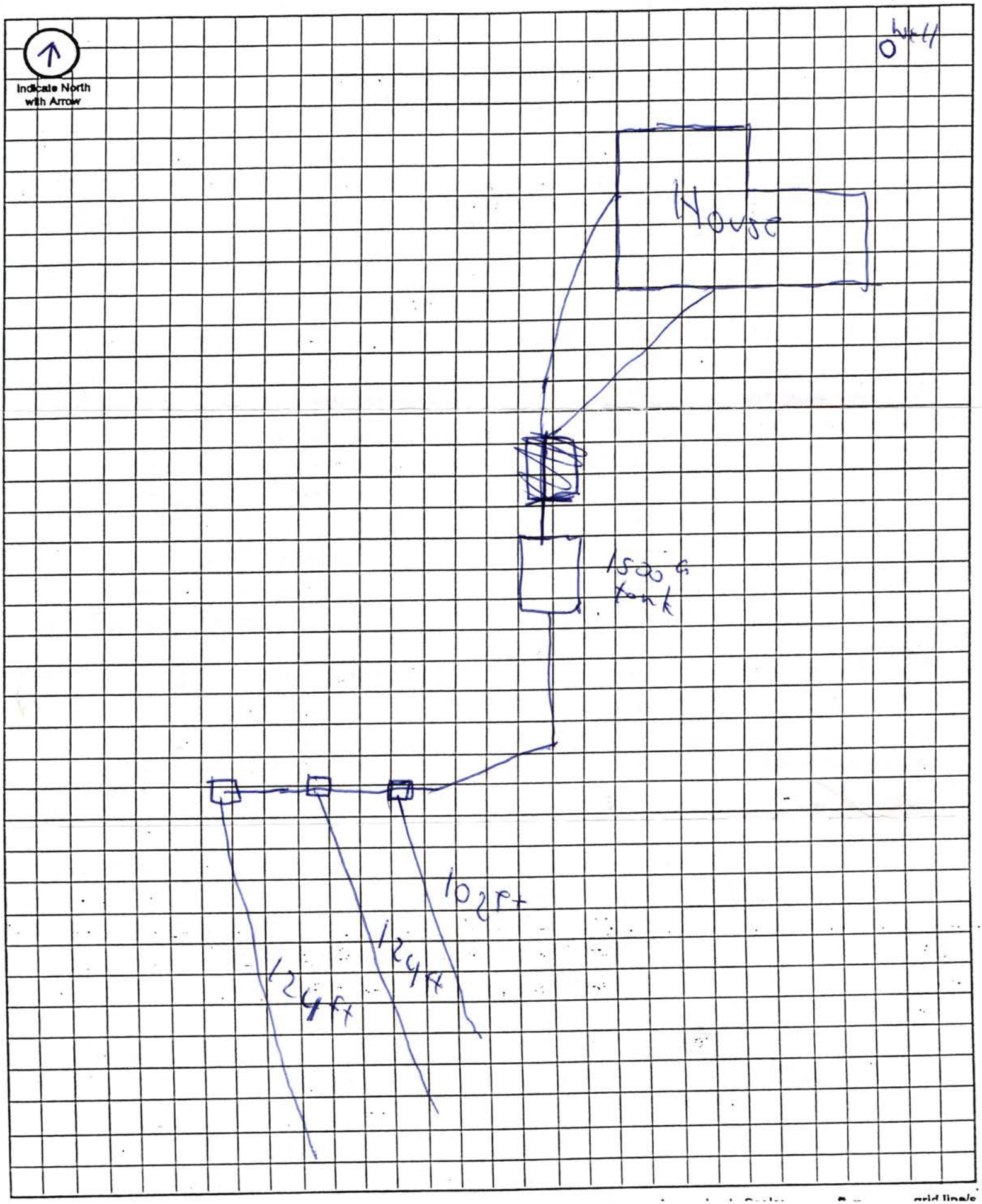
Complete "As Built" drawing on back of this form.

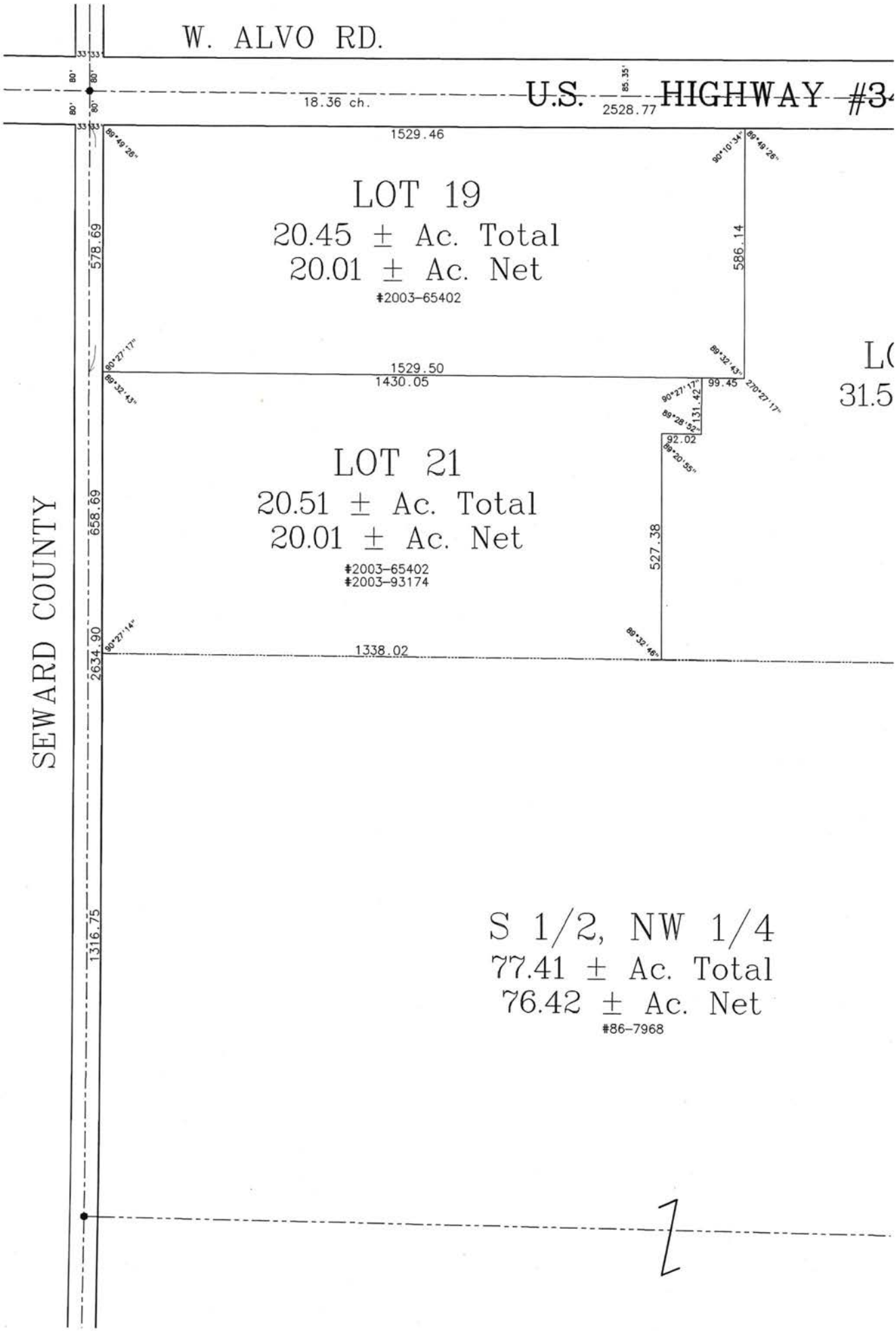
Individual Sewage System Design (Example)



FORM 23-103 10-96

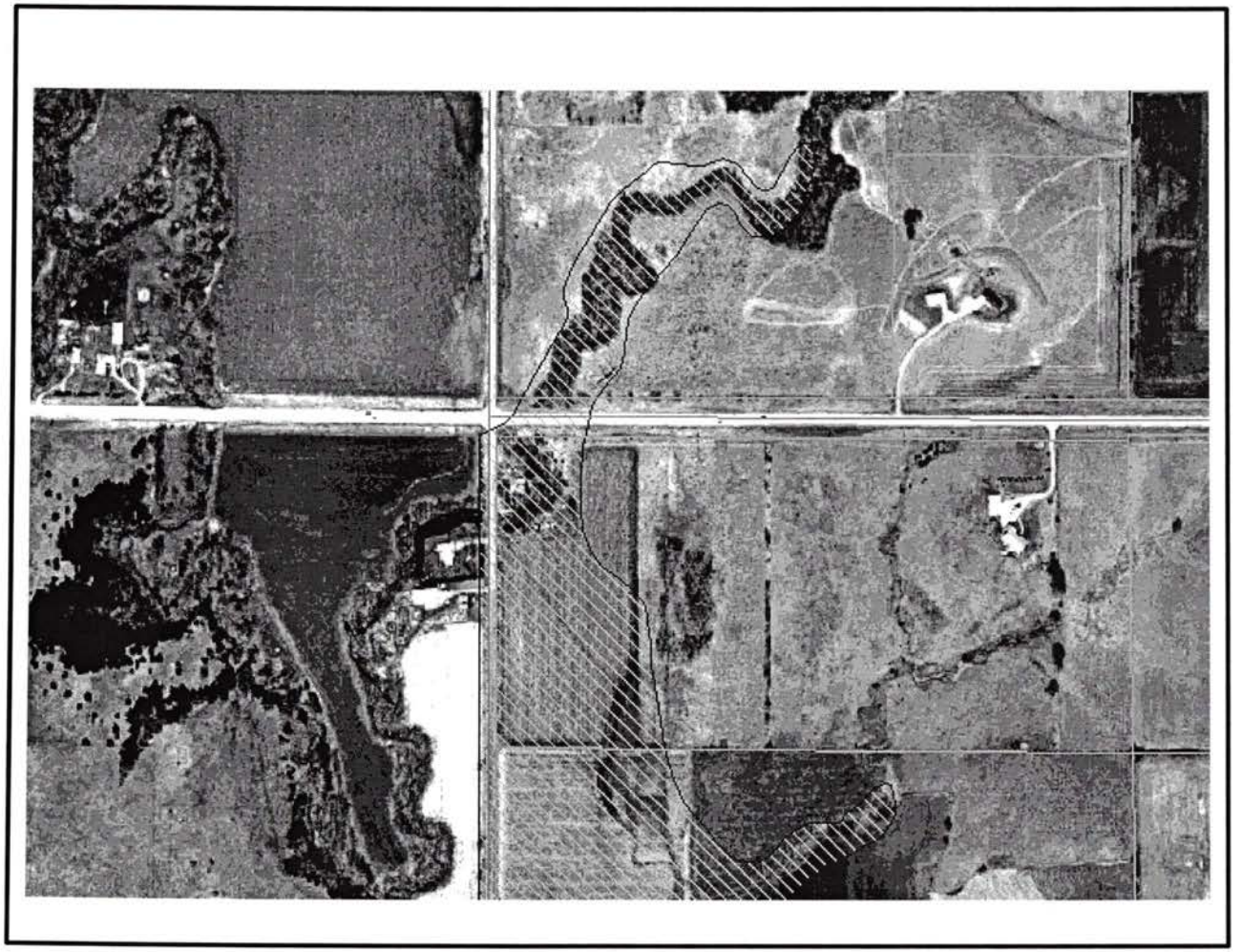
As Built Drawing




W. ALVO RD.
U.S. HIGHWAY #3
18.36 ch.
2528.77
85.35'
80'
80'
33'
33'
1529.46
89°49'26"
90°10'34"
89°49'26"
LOT 19
20.45 ± Ac. Total
20.01 ± Ac. Net
#2003-65402
578.69
586.14
90°27'17"
89°32'43"
1529.50
1430.05
89°32'43"
99.45
270°27'17"
90°27'17"
131.42
89°28'52"
92.02
89°20'55"
LOT 21
20.51 ± Ac. Total
20.01 ± Ac. Net
#2003-65402
#2003-93174
658.69
527.38
2634.90
90°27'14"
1338.02
89°32'46"
SEWARD COUNTY
1316.75
S 1/2, NW 1/4
77.41 ± Ac. Total
76.42 ± Ac. Net
#86-7968
31.5

ESRI ArcExplorer 2.0

13999 West Highway 34



streets
Parcels
flood1

N

Tuesday, Sep 30 2003

LANCASTER COUNTY, NEBRASKA

