Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

002789

(402) 441-8000

Permit
SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 03380266001

Issued 06/24/03
Expires 12/24/03
Revenue Code 3157

Establishment
REINER CONSTRUCTION INC
T12N R6E SEC 30
LOT 32IT
17500 NW 48 ST-RAYMOND

FEES: $200.00

Permittee
REINER CONSTRUCTION INC FOR JOHN SUTTON
5600 S 48 ST
LINCOLN NE 68516-4183

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

A

Permit Number: 033802660O1

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 17500 NW 48 (no rural route) City Raymond NE, Zip _____

Legal Description _____ 1/4 _____ 1/4 30 Section T12N Township 6E Range _____ Subdivision _____ Addition _____ Block 32 Lot I.T.

Geographical Location (if known): Longitude _____ Latitude _____

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

B. Owner

Name John Sutton Signature _____

Address _____ City/State/Zip _____

☐ Check if owner designed system Home Phone _____ Work Phone _____

C. Contractor

Name Reinercost INC Company Name _____

Address 5400 So 48 City/State/Zip 68516

☐ Check if contractor designed system Work Phone 423-1567

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

Designer Name Action Plumbing Firm _____ Work Phone 423-6960

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** 10-7-03. rec'd need D-sheet
   Date rec'd 6/24/03 Date frwd _____
   ACTION ☒ Approved ☐ Disapproved
   Signature Gerald C. Hood

2. **Supt. Bldg. Insp. or Village Clerk**
   Date rec'd 6/24/03 Date frwd _____
   ACTION ☒ Approved ☐ Disapproved
   Signature _____

3. **City or County Engineer**
   Date rec'd 6-24-03 Date frwd 6-24-03
   ACTION ☒ Approved ☐ Disapproved
   Signature _____

Installation Final Written Approval

By Ron Maynard

Date 12-12-03

Business Office Use Only

Date Rec'd 06/24/03

Amt Paid 200.00

Rec'd By _____ ~~Cash~~/Check No. 3354

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

B

Permit Number: 033802660

3 Bedroom
2 - BcM

Sewage Disposal System
Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address NW 48th Raymond Road Lot 22 City _____ NE, Zip _____
(no rural route)

Owner _____ Addresss 17,500 NW 48th

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

Date of Tests 6/11/03 to 6/13/03 Weather: Precipitation _____ Temperature 75

Percolation Test Data Table

A.	B.	C.	D.	E.	F.	G.	H.	I.	J.	K.	L.	M.	N.
		Pre-Saturation Period				Percolation Readings					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	6/11	3:00	6/13	8:00	6/13	8:00	6	6/13	12:00	30	2½	12
2	36	6/11	3:00	6/13	8:00	6/13	8:00	6	6/13	12:00	30	2	15
3	36	6/11	3:00	6/13	8:00	6/13	8:00	6	6/13	12:00	30	3½	9
4	36	6/11	3:00	6/13	8:00	6/13	8:00	6	6/13	12:00	30	1¾	17
5	36	6/11	3:00	6/13	8:00	6/13	8:00	6	6/13	12:00	30	½	60
6	36	6/11	3:00	6/13	8:00	6/13	8:00	6	6/13	12:00	30	2½	12

Person Conducting Percolation Tests

Name: Tom Burt Olson Associates

Phone: 474-3800

Address 1609 N St Lincoln NE 68508

Sum of Percolation Rates: _____

Average of Rates: _____

Rate Used for Calculation: 60

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks: Appears to be Morrill soil

Signature of Reviewing Official: Ron Magnuson Date 6-20-03

FORM 23-101 10-98

580-9502 u
423-1567

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

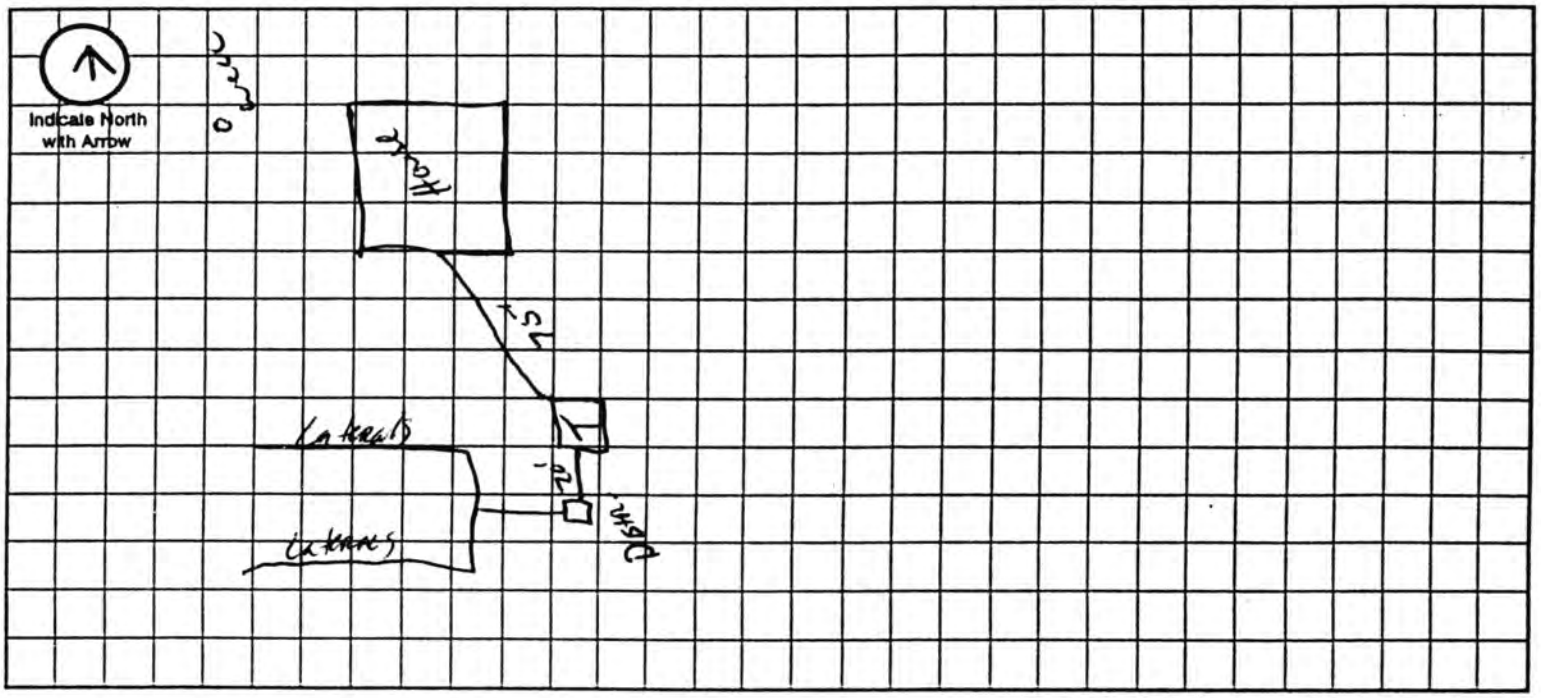
C

Permit Number: 033802660

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 line/s

A. System Location (Indicate correct number and street)

Address (no rural route) 17500 NW 48th City Raymond NE, Zip _____

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: [redacted] MrDz Land Slope: _____ %

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

Total Square Feet of Field Required: 1050 sq. ft. 4 \| 1050 262 ~~252~~

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

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

Total Length of Laterals 262 ft. Number of Trenches _____ 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 ☑	☐
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 [signature] Date 6-24-03

Installer Action Pump [signature] Date 6-20-03

FORM 23-102 10-96

Action
PLB64
HTG

D

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

Permit Number:

Sewage Disposal System
As Built Plans & Specifications

Date 11-22-03

System Location (Indicate correct number and street)
Address 17,500 NW 48 (no rural route) City Bayard NE, Zip

A. Building Sewer
1. Material: PVC
   Diameter: 4" in.
2. Distance above basement floor: ____ in.
   or distance below basement floor: 1' in.
3. Distance between dwelling and septic tank: 125 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: PLASTIC / FIBERGLASS
   Number of compartments: ____
2. Capacity: 1250 gal.
3. Factory built: ☑ Yes ☐ No
4. Manholes: Over inlet, diameter 24" in.
   Over outlet, diameter 24" in.
   Riser: ☐ above ☑ below grade 6" in.
5. Inlet: ☐ baffle ☐ tee
6. Outlet: ☐ baffle ☐ tee
7. Depth to top of tank, below unfinished grade: 6" in.
8. Distances to: Well or suction line 100+ ft.
   Stream 100+ ft.
   Pressure line 100+ ft.
   Property line 100+ ft.

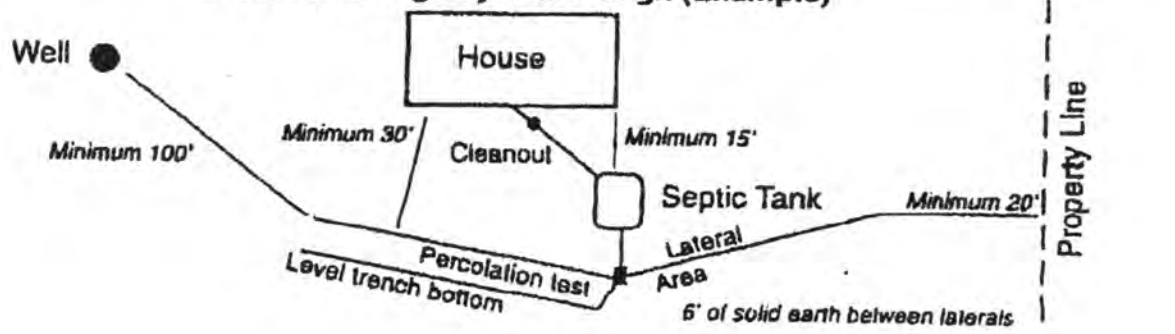
C. Distribution Box
1. Material: PLASTIC
   Number available outlets: ____
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: 15' ft.

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 INFILTRATOR
2. Lateral lines: Number 3
   Length of each line: 100 ft. 88 ft.
   88 ft. ____ ft., ____ ft.
3. Trench dimensions: Width 4.5' ft.
   Slope Minimum in/100 ft.
   Average depth 3' in
4. Filter material: GRAVEL
   Depth of material 8" in.
5. Distances to: Well or suction line 100+ ft.
   Stream 100+ ft.
   Pressure line 100+ ft.
   Property line 100+ ft.

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

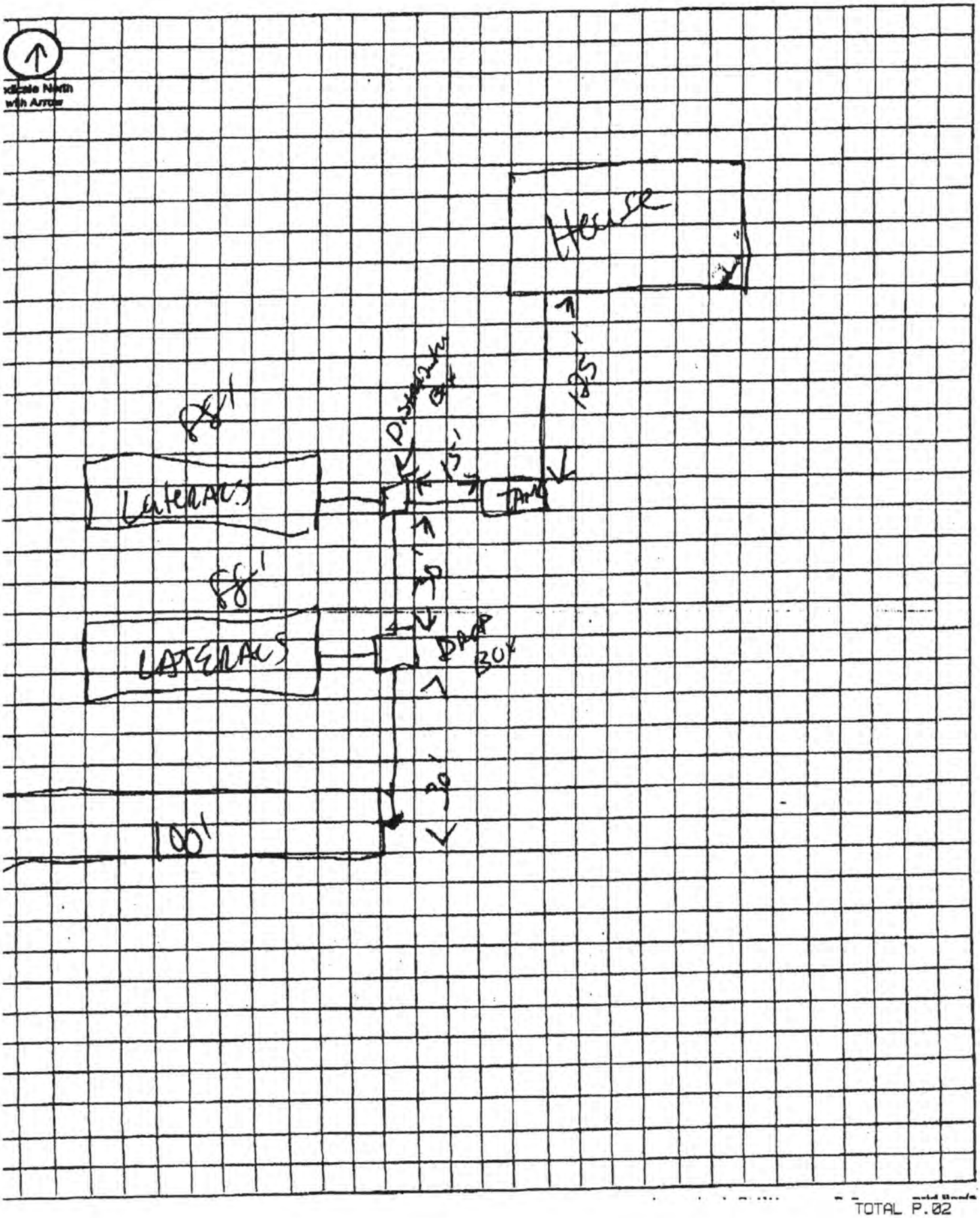
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th Arrow

Individual Sewage System Design (Example)



As Built Drawing

17,500 RAINBIRD RD 441-6206



ESRI ArcExplorer 2.0

17500N.W. 48th Street



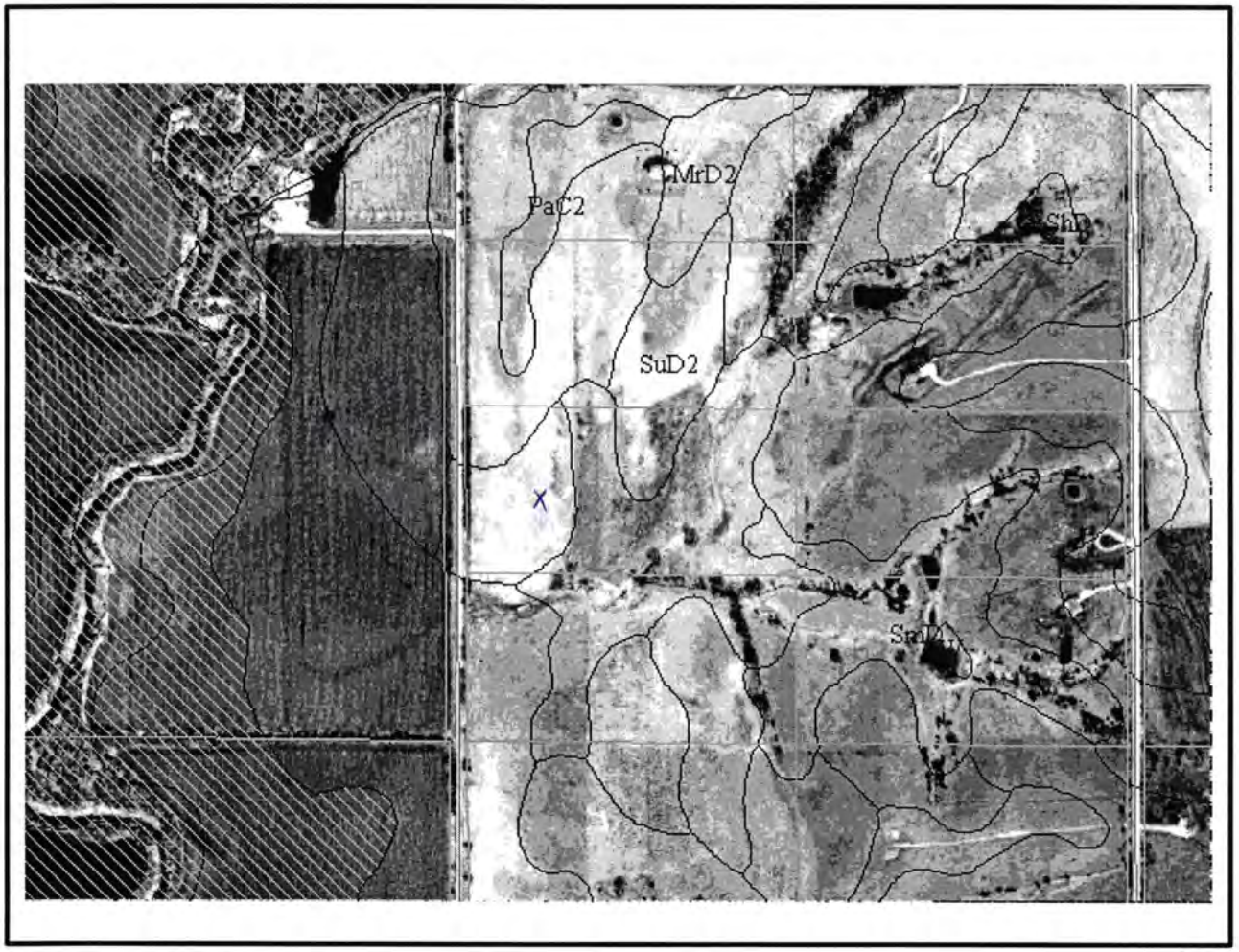
streets
Parcels
flood1

N

Tuesday, Jun 24 2003

ESRI ArcExplorer 2.0

17500 N.W. 48th Street



streets
Parcels
flood1
soils (MUSYM)

N

Tuesday, Jun 24 2003