Lincoln-Lancaster County Health Department
ENVIRONMENTAL PUBLIC HEALTH DIVISION

005121

3140 N STREET · LINCOLN, NE 68510-1514

(402) 441-8000

Permit
SEWAGE INSTALLATION
SEPTIC SYSTEM

Permit # 04380283701

Issued 06/03/04
Expires 12/03/04
Revenue Code 3157

Establishment
RONALD MELLEN
T12N R6E SEC 28 QTR NW
IRREGULAR TRACT LOT 22&23
2401 W DAVEY RD-DAVEY

FEES: $200.00

Permittee
RONALD MELLEN
2401 W DAVEY RD
DAVEY NE 68336

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: 04380283701

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 2401 West Davey Road (no rural route) City Davey NE, Zip 68336

Legal Description NW 1/4 1/4 Section 28 Township 12N Range 6E Subdivision [redacted] Addition 13 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 Ronald Mellen Signature Ronald Mellen

Address 2401 W. Davey Rd. City/State/Zip Davey N.E. 68336

☐ Check if owner designed system Home Phone 402-560-3123 Work Phone 466-8311 Ext 8144

C. Contractor

Name Kevin Wolfe Company Name WOLFE CONSTRUCTION

Address 24521 NW 227S City/State/Zip UALPARAISO NE 68056

☐ Check if contractor designed system Work Phone 430-8509

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

Designer Name _____ Firm _____ Work Phone _____

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 6/3/04 Date frwd 6/4/04 ACTION ☒ Approved ☐ Disapproved Signature Jerrold E. Hood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 6/4/04 Date frwd _____ ACTION ☒ Approved ☐ Disapproved Signature _____
3. **City or County Engineer** Date rec'd 06/04/04 Date frwd _____ ACTION ☒ Approved ☐ Disapproved Signature _____ *

* Septic System must be constructed above 100 Yr Flood Plain

Installation Final Written Approval

By Ron Mayer

Date 10-13-04

Business Office Use Only

Date Rec'd 6-3-04
Amt Paid 200.00
Rec'd By TW Cash/Check No. 7763

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: 03802837

Sewage Disposal System

Soil Absorption Test Data Report

Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 2401 W. Pavey Rd. City Pavey NE, Zip 68336
(no rural route)

Owner Ron Mellen Addresss 2401 W. Pavey Rd.

Soil Type (SCS): Sandy Clay MORRIL CLAY LOAM Percolation Rate: _____ min./inch

Date of Tests 5-16 to 5-17 Weather: Precipitation Light Rain off and on Temperature 70°

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"	5-16	~~7~~ AM	5-17	7 AM	~~7:49~~	7:50 AM	36"	8:20 AM	27"	30	9"	3.0
2	36"	〃	〃	〃	〃	~~7:53~~	7:53	〃	8:23	28"	30	8"	3.75
3	36"	〃	〃	〃	〃	7:56	7:56	〃	8:26	30"	30	6"	5.0
4	36"	〃	〃	〃	〃	7:59	7:59	〃	8:29	31"	30	5"	6.0
5	36"	〃	〃	〃	〃	8:02	8:02	〃	8:32	31"	30	5"	6.0
6	36"	〃	〃	〃	〃	8:05	8:05	〃	8:35	32"	30	4"	7.5

Sum of Percolation Rates: 31.25
Average of Rates: 5.21
Rate Used for Calculation: _____

Person Conducting Percolation Tests

Name: Don Anderson
Phone: 402-624-3895
Address Mead, Ne. 68041

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

Signature of Reviewing Official Jerrold C. Hood Date JUNE 3, 2004

FORM 23-101 10-96

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

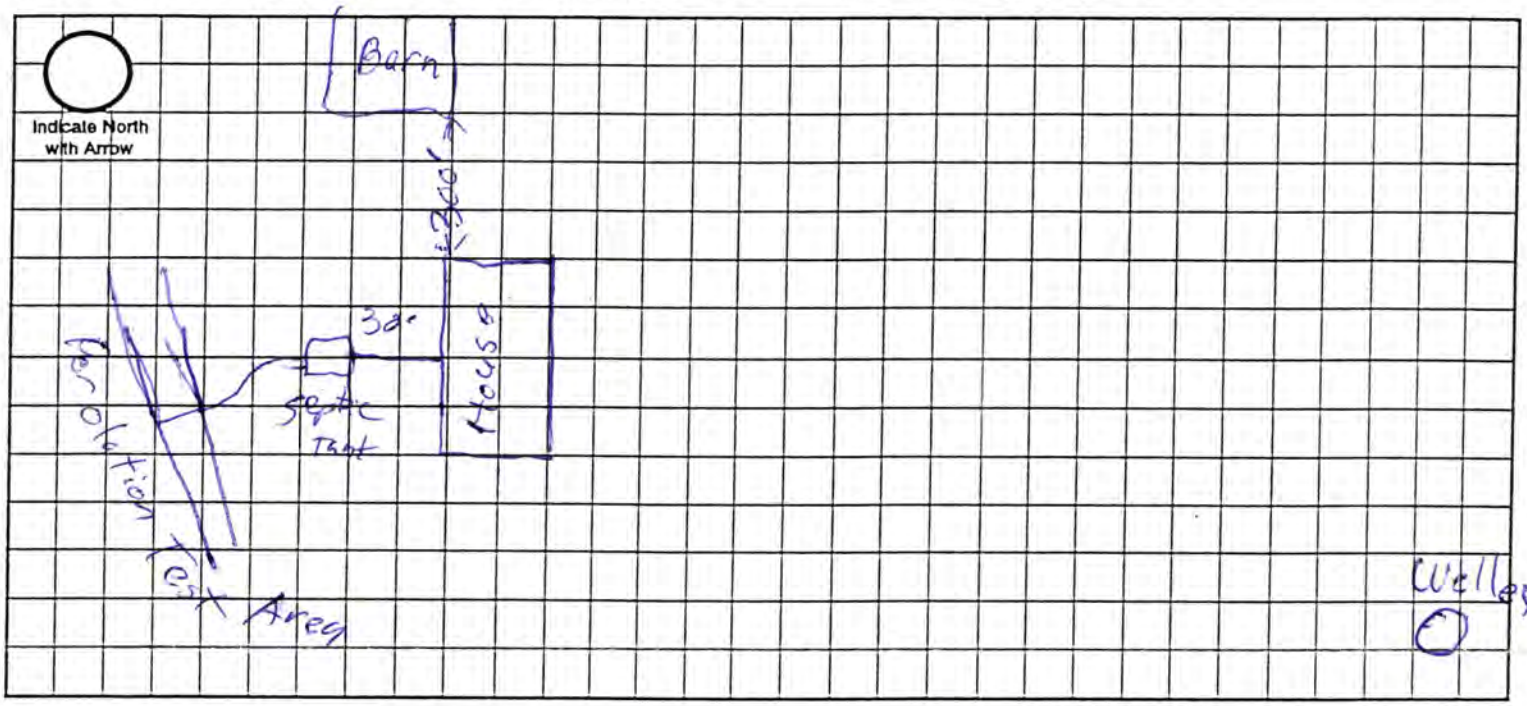
C

Permit Number: 043802837

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) 2401 W. Davey Rd. City Davey NE, Zip 68336

B. Proposed Septic Tank/s

Tank Material: ☒ Concrete ☐ Plastic ☐ Other _____

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

Percolation Rate 5:2 (min. per inch) Soil Type: Sandy Clay Land Slope: _____ %

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

Total Square Feet of Field Required: 495 sq. ft.

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

Capacity of Septic Tank 1200 gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals 124 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 Ron Wolfe Date June 1, 2004

Installer Don Anderson Date June 1 2004

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: 043802837

Sewage Disposal System

As Built Plans & Specifications

Date 10/11/04 Mellen

System Location (Indicate correct number and street)

Address 2401 W Davey Rd. (no rural route) City Davey NE, Zip 68336

A. Building Sewer

1. Material: class 160 4"
   Diameter: 4" in.
2. Distance above basement floor: _____ in.
   or distance below basement floor: 18" in.
3. Distance between dwelling and septic tank: 88' to center 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: 16" 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: 3
2. Factory built: ☒ Yes ☐ No
3. Distance from septic tank: 11' To center ft.

D. Absorption Field

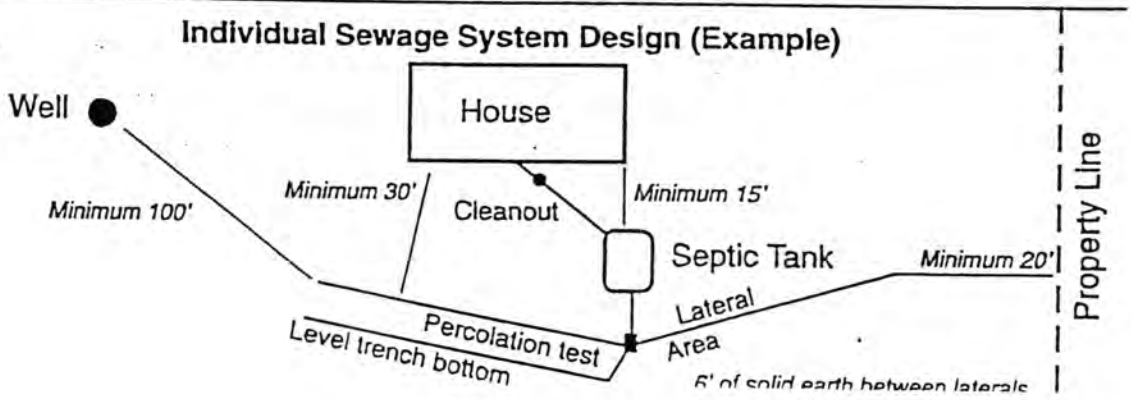
(Provide as-built drawings on back of this form)

1. Type: ☒ Half rounds ☐ Perforated pipe
   Diameter of half round: 34" wide, 12" Tall
   or perforated pipe: _____
   Material: ☐ fiberglass ☒ plastic ☐ concrete
   ☐ other _____
2. Lateral lines: Number one
   Length of each line: 124 ft. _____ ft.
   _____ ft. _____ ft., _____ ft.
3. Trench dimensions: Width 4' ft.
   Slope FLAT in/100 ft.
   Average depth 20" in
4. Filter material: Dirt
   Depth of material 20 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

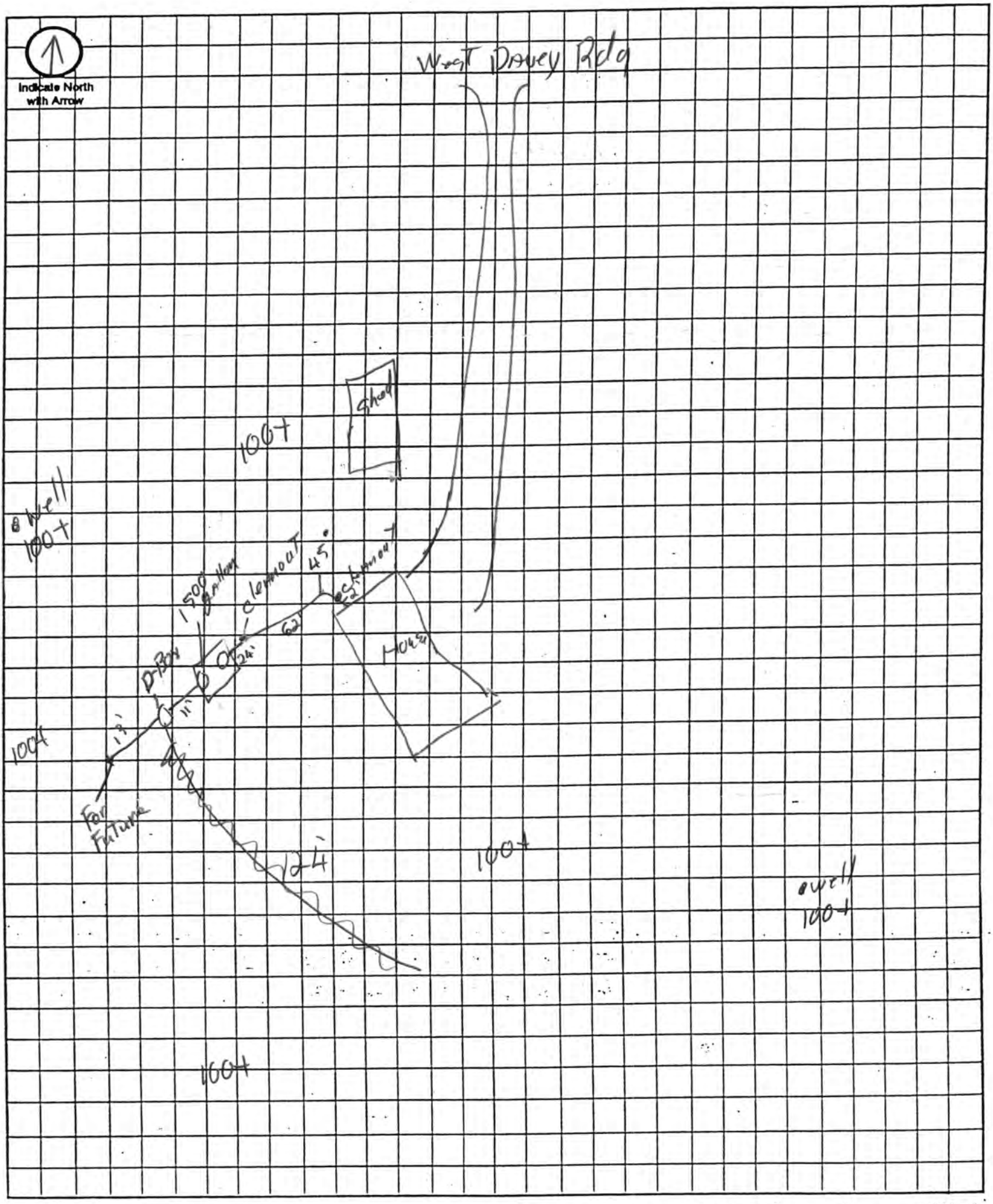
Complete "As Built" drawing on back of this form.

Individual Sewage System Design (Example)



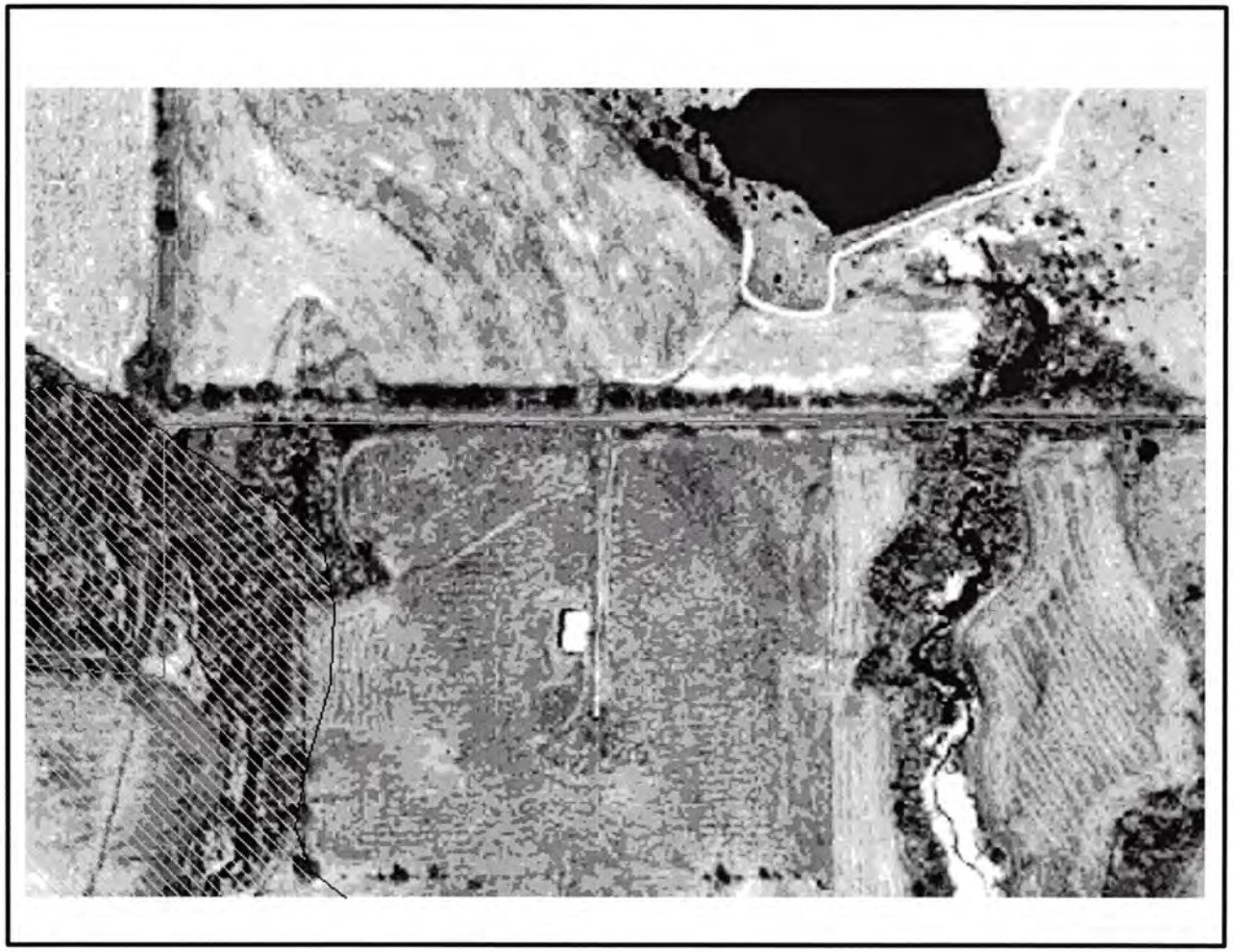
FORM 23-103 10-96

As Built Drawing



ESRI ArcExplorer 2.0

2401 West Davey Road



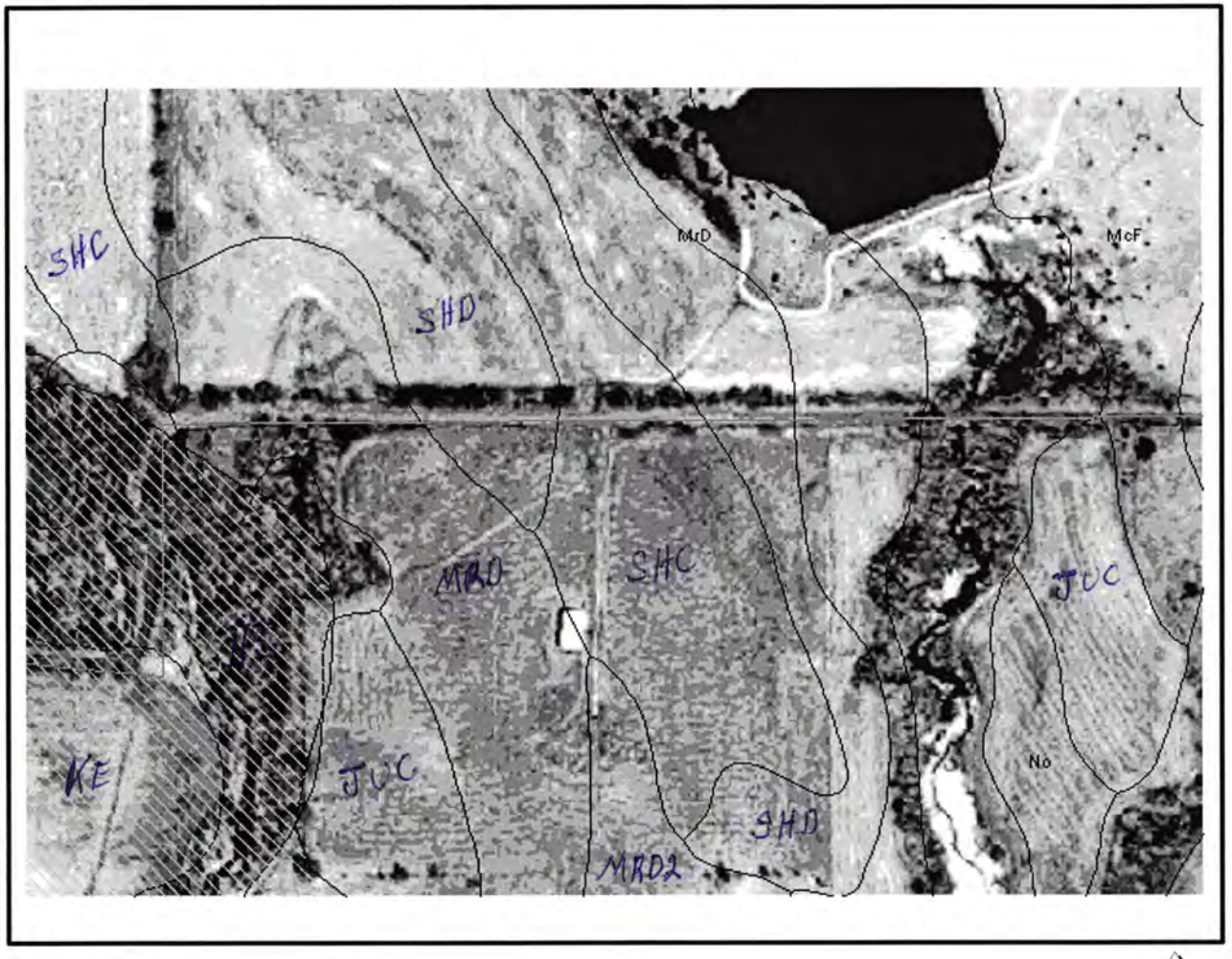
streets
flood1

N

Friday, Jun 4 2004

ESRI ArcExplorer 2.0

2401 West Davey Road



streets
flood1
soils (MUSYM)

N

Friday, Jun 4 2004