Lincoln-Lancaster County Health Department

ENVIRONMENTAL PUBLIC HEALTH DIVISION

3140 N STREET · LINCOLN, NE 68510-1514

003778

(402) 441-8000

Permit: SEWAGE INSTALLATION
LAGOON

Permit # 04380280601

Issued 04/02/04
Expires 10/02/04
Revenue Code 3157

Establishment: ADAM QUALSET
T11N R8E SEC 6 QTR NE
LOT 10IT
112TH & RAYMOND RD

FEES: $200.00

TOTAL: $200.00

Permittee: ADAM QUALSET
1820 HARD LAKE RD
CENTRAL CITY NE 68826

Bruce D. Dart

Bruce D. Dart, Health Director

EPH COPY

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APR 0 2 2004

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

A

Permit Number: 04380280601

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 approx 112th & Raymond Road (no rural route) City _____ NE, Zip _____

Legal Description NE 1/4 1/4 6 Section 11N Township 8 East Range _____ Subdivision _____ Addition _____ Block _____ Lot 101 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 Adam Qualset Signature Adam Qualset

Address 1820 Hurd Lake Road City/State/Zip Central City, NE 68826

☒ Check if owner designed system Home Phone 308-946-9873 Work Phone 402-730-5732

C. Contractor

Name Harry L. Muhlbach Company Name H.L. Muhlbach

Address 1460 N 56th St City/State/Zip Lincoln, Ne 68514

☒ Check if contractor designed system Work Phone 402-785-3815 450-7304

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 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** 12-8-04, mm
   Date rec'd 4/2/04 Date frwd 4/5/04
   ACTION ☒ Approved ☐ Disapproved Signature Jerrold C. Hood
2. **Supt. Bldg. Insp. or Village Clerk**
   Date rec'd 4/5/04 Date frwd 4/5/04
   ACTION ☐ Approved ☐ Disapproved Signature Shawn Johnson
3. **City or County Engineer**
   Date rec'd 4/5/04 Date frwd 4/5/04
   ACTION ☒ Approved ☐ Disapproved Signature _____

Installation Final Written Approval

By Ron Nagengast

Date 12-9-04

Business Office Use Only

Date Rec'd 04/02/04

Amt Paid 200.00

Rec'd By _____ ~~Cash~~/Check No. 2311

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

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Environmental Health Division
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Phone: 402-441-8022

B

Permit Number:

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Sewage Disposal System
Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address 11701 Raymond Road (no rural route) City Lincoln NE, Zip 68517

Owner Adam Qualset Addresss 11701 Raymond Road, Lincoln, NE 68517

Soil Type (SCS): Black Loamy Percolation Rate: 40.7 min./inch

Date of Tests 10/29/04 to 10/30/04 Weather: Precipitation 0 Temperature 65°

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		Last 30		
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	24"	10/29	9:15AM	10/29	1:15PM	10/30	2:15PM	6"	10/30	6:15PM	30	5/8"	48
2	"	"	"								30	5/8"	48
3	"	"	"								30	1	30
4	"	"	"								30	5/8	48
5	"	"	"								30	3/4	40
6	"	"	"								30	1	30

Person Conducting Percolation Tests

Name: Henry Muhlbach
Phone: 420-7304
Address 14605 N 56th St.
Lincoln, Ne 68514

Sum of Percolation Rates: 244
Average of Rates: 40.7
Rate Used for Calculation: 31-40

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks

Signature of Reviewing Official Date

FORM 23-101 10-96

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

#107 Little Jerry Road

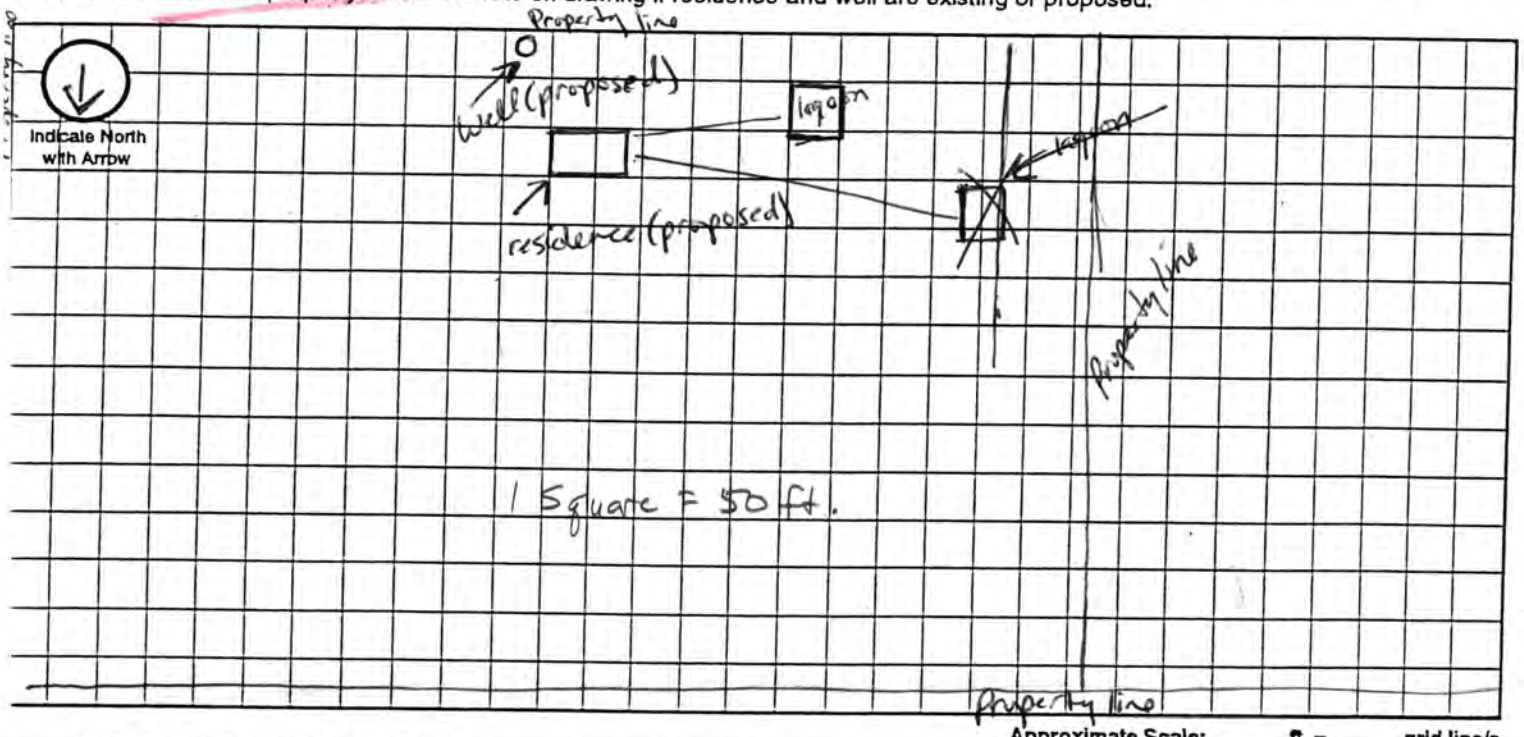
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C

Permit Number:
043802806

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) approx 112th & Raymond Road City _____ NE, Zip _____

(Northeast 1/4 of section 6, township 11 North, Range 8 East

B. Proposed Septic Tank/s

Tank Material: ☐ Concrete ☐ Plastic ☐ Other _____

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

Percolation Rate _____ (min. per inch) Soil Type: _____ Land Slope: _____ %

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

Total Square Feet of Field Required: 1100 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 275 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 Harry T. Mylliard Date 4-2-04

Installer Harry T. Mylliard Date 4-2-04

RM 23-102 10-96

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D

Permit Number:

Sewage Disposal System

As Built Plans & Specifications

Date 12-8-04

System Location (Indicate correct number and street)

Address 11701 Raymond Rd. (no rural route) City Lincoln NE, Zip

6-11-8

A. Building Sewer

1. Material: Sch. 40
   Diameter: 4" in.
2. Distance above basement floor: 60 in.
   or distance below basement floor: ____ in.
3. Distance between dwelling and septic tank: 145 ft.
4. Number of clean-outs: 2
5. Distances to: well or suction line 140 ft.
   stream 500 ft.
   pressure line 75 ft.
   property line 200 ft.

B. Septic Tank

1. Material: PVC
   Number of compartments: 1
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 6 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 140 ft.
   Stream 500 ft.
   Pressure line 75 ft.
   Property line 200 ft.

C. Distribution Box

1. Material: PVC
   Number available outlets: 3
2. Factory built: ☑ Yes ☐ No
3. Distance from septic tank: 13 ft.

D. Absorption Field

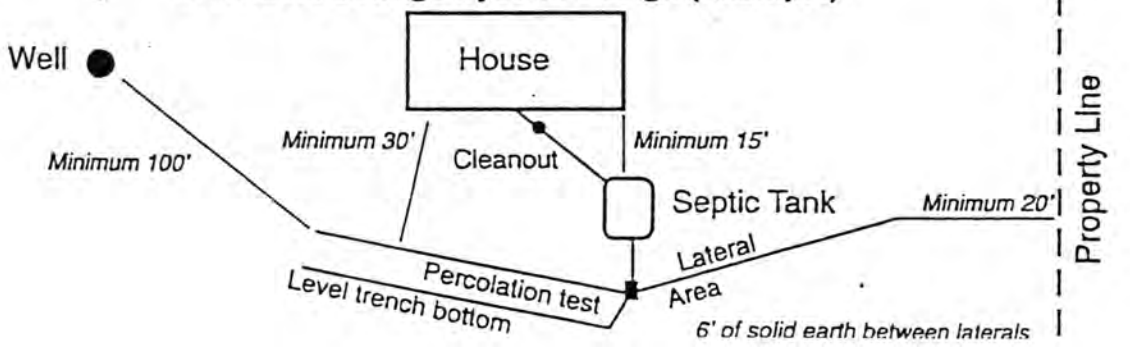
(Provide as-built drawings on back of this form)

1. Type: ☐ Half rounds ☐ Perforated pipe
   Diameter of half round: Infiltrator
   or perforated pipe: ____
   Material: ☐ fiberglass ☑ plastic ☐ concrete
   ☐ other ____
2. Lateral lines: Number 2
   Length of each line: 135 ft. 140 ft.
   ____ ft. ____ ft., ____ ft.
3. Trench dimensions: Width 4 ft.
   Slope 0 in/100 ft.
   Average depth 28 in
4. Filter material: ____
   Depth of material ✓ in.
5. Distances to: Well or suction line 250 ft.
   Stream 500 ft.
   Pressure line 225 ft.
   Property line 200 ft.

Indicate North with Arrow

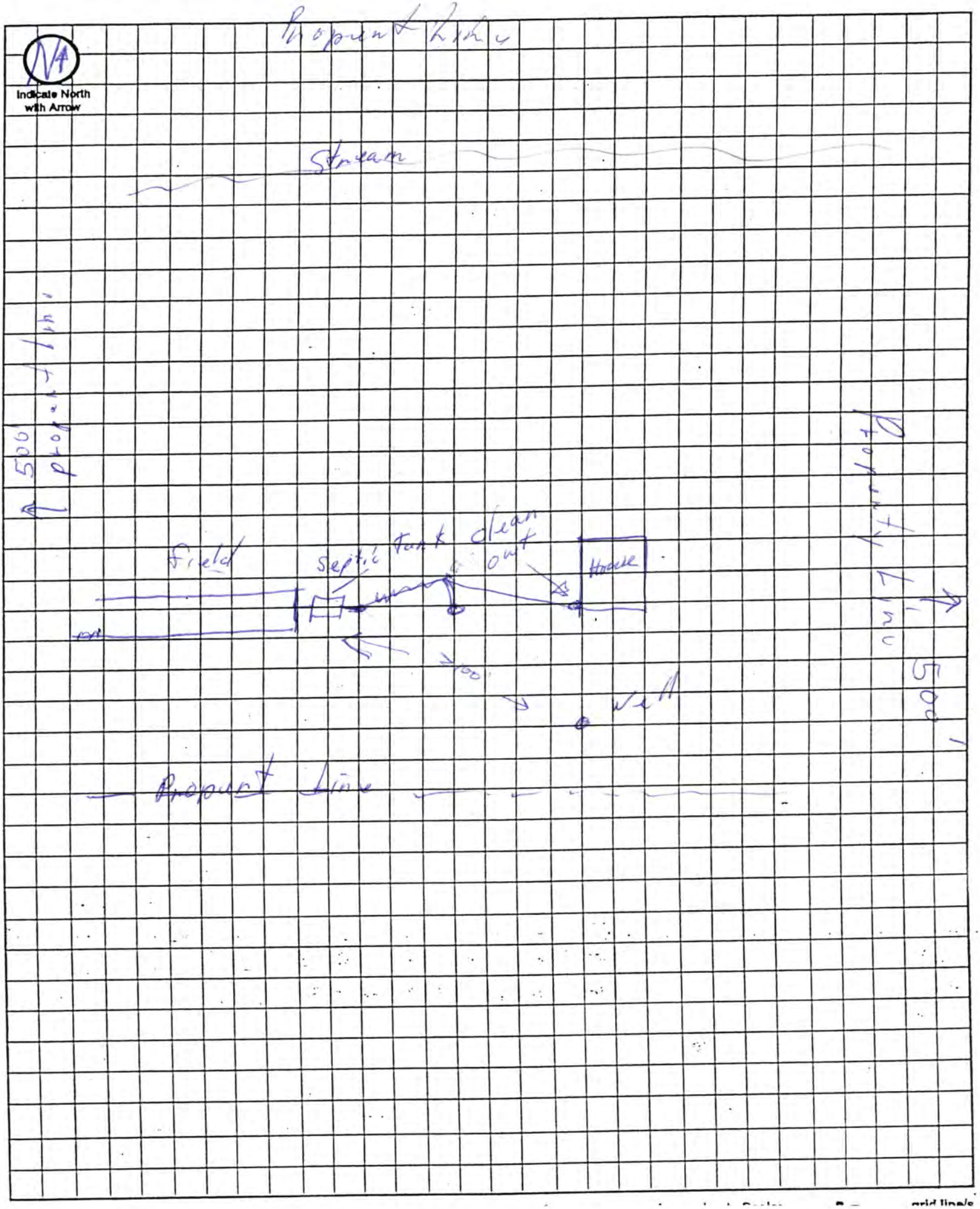
Complete "As Built" drawing on back of this form.

Individual Sewage System Design (Example)



FORM 23-103 10-96

As Built Drawing



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Study (FIS) report that
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water Elevations table
floodplain management
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