

UNITED STATES DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE**NATIONAL REGISTER OF HISTORIC PLACES  
INVENTORY -- NOMINATION FORM**

FOR FEDERAL PROPERTIES

FOR NPS USE ONLY

RECEIVED

JUL 6 1983

DATE ENTERED

SEE INSTRUCTIONS IN *HOW TO COMPLETE NATIONAL REGISTER FORMS*  
TYPE ALL ENTRIES -- COMPLETE APPLICABLE SECTIONS**1 NAME**

HISTORIC

Ouachita River Lock and Dam No. 8

AND/OR COMMON

U.S. Lock and Dam No. 8

**2 LOCATION**

STREET &amp; NUMBER

About 5 miles southeast of Calion

CITY, TOWN

Calion

☒ VICINITY OF

NOT FOR PUBLICATION

CONGRESSIONAL DISTRICT

Fourth

STATE

Arkansas

CODE

05

COUNTY

Calhoun

CODE

013

**3 CLASSIFICATION****CATEGORY**☐ DISTRICT☒ BUILDING(S)☒ STRUCTURE☐ SITE☐ OBJECT**OWNERSHIP**☒ PUBLIC☐ PRIVATE☐ BOTH**PUBLIC ACQUISITION**☐ IN PROCESS☐ BEING CONSIDERED

N/A

**STATUS**☒ OCCUPIED☐ UNOCCUPIED☐ WORK IN PROGRESS**ACCESSIBLE**☒ YES: RESTRICTED☐ YES: UNRESTRICTED☐ NO**PRESENT USE**☐ AGRICULTURE☐ COMMERCIAL☐ EDUCATIONAL☒ ENTERTAINMENT☒ GOVERNMENT☐ INDUSTRIAL☐ MILITARY☐ MUSEUM☐ PARK☐ PRIVATE RESIDENCE☐ RELIGIOUS☐ SCIENTIFIC☒ TRANSPORTATION☐ OTHER:**4 AGENCY**

REGIONAL HEADQUARTERS: (If applicable)

U.S. Army Corps of Engineers, Vicksburg District

STREET &amp; NUMBER

Federal Post Office Building, 820 Crawford Street

CITY, TOWN

Vicksburg

VICINITY OF

STATE

Mississippi

39180

**5 LOCATION OF LEGAL DESCRIPTION**COURTHOUSE,  
REGISTRY OF DEEDS, ETC.

Calhoun County Courthouse

STREET &amp; NUMBER

General Delivery

CITY, TOWN

Hampton

STATE

Arkansas

71744

**6 REPRESENTATION IN EXISTING SURVEYS**

TITLE

Calion Navigation Pool Cultural Resources Survey

DATE

August-December, 1982

☒ FEDERAL ☐ STATE ☐ COUNTY ☐ LOCALDEPOSITORY FOR  
SURVEY RECORDS

U.S. Army Corps of Engineers, Vicksburg District

CITY, TOWN

Vicksburg

STATE

Mississippi

39180

Ince,

## 7 DESCRIPTION

### CONDITION

### CHECK ONE

### CHECK ONE

☒ EXCELLENT  
☐ GOOD  
☐ FAIR

☐ DETERIORATED  
☐ RUINS  
☐ UNEXPOSED

☐ UNALTERED  
☒ ALTERED

☒ ORIGINAL SITE  
☐ MOVED DATE \_\_\_\_\_

### DESCRIBE THE PRESENT AND ORIGINAL (IF KNOWN) PHYSICAL APPEARANCE

Lock and Dam No. 8 consists of three integrated units: the lock, the dam, and several support buildings located atop an artificially constructed earth mound. The lock is a steel and concrete structure measuring 380 ft by 55 ft with a depth of 24 ft (see accompanying plans and photographs). Two movable steel mitering gates are located at each end of the lock allowing for entrance of river traffic.

The dam is composed of several sections including a navigable pass (incorporating 34 chanoine wickets), a weir (12 chanoine wickets), and a drift pass (10 chanoine wickets) (see accompanying plans and photographs). The chanoine wickets are movable wooden objects which can be raised and lowered to adjust water level upstream of the dam. A photograph of a model of a wicket, along with plans of one of the navigable pass wickets is included with this form. The downstream end of the dam structure has been stabilized by a large quantity of stone rip-rap.

The earthen mound measures approximately 480 ft by 400 ft and is over 10 ft high (see accompanying photos). Today there are three main structures atop the earthen mound, the lockmaster's office and two storage and maintenance buildings. Also atop the mound is a small radio transmission shed. Previously, a lockmaster's residence was located on the mound, but was removed several years ago.

The following synopsis of construction phases of the lock and dam comes from various Chief of Engineers reports dated between 1908 and 1916. Construction on the property began in December 1907 with the building of the earthen mound. This platform was completed by June 1908. Much of the actual construction of the lock and dam occurred during 1908 and 1909. By June 1909, most buildings, except the lockmaster's house and a cement storehouse, were completed and the lock excavation, occurring within a block cofferdam, was almost finished. By June 1912 the dam was 98% complete while the lock was nearing completion at 96%. The lock was first tested in September 1912 and was placed in operation on October 1, 1912. By June of 1913 the dam was 100% complete. It was not until March 1916, however, that construction of the lockmaster's house was begun. It was completed on May 13, 1916, thereby finishing all major construction work on the property.

The lock and dam have remained operational to this day. They are to be removed as navigation hazards, however, once the new Calion Lock and Dam is completed in late 1983.

# 8 SIGNIFICANCE

PERIOD	AREAS OF SIGNIFICANCE -- CHECK AND JUSTIFY BELOW			
<input type="checkbox"/> PREHISTORIC	<input type="checkbox"/> ARCHEOLOGY-PREHISTORIC	<input type="checkbox"/> COMMUNITY PLANNING	<input type="checkbox"/> LANDSCAPE ARCHITECTURE	<input type="checkbox"/> RELIGION
<input type="checkbox"/> 1400-1499	<input type="checkbox"/> ARCHEOLOGY-HISTORIC	<input type="checkbox"/> CONSERVATION	<input type="checkbox"/> LAW	<input type="checkbox"/> SCIENCE
<input type="checkbox"/> 1500-1599	<input type="checkbox"/> AGRICULTURE	<input type="checkbox"/> ECONOMICS	<input type="checkbox"/> LITERATURE	<input type="checkbox"/> SCULPTURE
<input type="checkbox"/> 1600-1699	<input type="checkbox"/> ARCHITECTURE	<input type="checkbox"/> EDUCATION	<input type="checkbox"/> MILITARY	<input type="checkbox"/> SOCIAL/HUMANITARIAN
<input type="checkbox"/> 1700-1799	<input type="checkbox"/> ART	<input checked="" type="checkbox"/> ENGINEERING	<input type="checkbox"/> MUSIC	<input type="checkbox"/> THEATER
<input type="checkbox"/> 1800-1899	<input checked="" type="checkbox"/> COMMERCE	<input type="checkbox"/> EXPLORATION/SETTLEMENT	<input type="checkbox"/> PHILOSOPHY	<input checked="" type="checkbox"/> TRANSPORTATION
<input checked="" type="checkbox"/> 1900-	<input type="checkbox"/> COMMUNICATIONS	<input type="checkbox"/> INDUSTRY	<input type="checkbox"/> POLITICS/GOVERNMENT	<input type="checkbox"/> OTHER (SPECIFY)
		<input type="checkbox"/> INVENTION		

SPECIFIC DATES Constructed 1907-1916 BUILDER/ARCHITECT U.S. Army Corps of Engineers

## STATEMENT OF SIGNIFICANCE

Lock and Dam No. 8 derives its significance from the fact that it is one of the oldest remaining locks and dams in the State of Arkansas. It was constructed between 1907 and 1916 (see Block 7) as one of a series of four locks and dams located along the Ouachita River between Camden, Arkansas, and Jonesville, Louisiana. The other three locks and dams have either been removed or are in the process of removal. Additional locks and dams in Arkansas were constructed during the 1950s and 1960s, and are thus forty to fifty years younger than Lock and Dam No. 8.

Lock and Dam No. 8 additionally represents a vital segment in the earliest attempt by the U.S. Army Corps of Engineers to control a river system in Arkansas. When the lock system was completed the Ouachita River served as an important transportation route for the shipment of commercial goods, such as cotton, grain, and lumber. This overall system represents part of an early twentieth century network of rivers and canals linking together much of the eastern United States.

From an engineering perspective, the property is unique by virtue of its movable wickets. Chanoine wickets are large, hinged, wooden barriers that can be raised and lowered to adjust water level above the dam. When lowered the wickets lie flat along the bottom of the dam and when raised are held in place by both the water current and metal rods or "props" set into concrete grooves at the base of the dam (see accompanying plans). These are believed to be the last remaining, and still functional, chanoine wickets in the State of Arkansas.



## 9 MAJOR BIBLIOGRAPHICAL REFERENCES

U.S. Army Corps of Engineers, Office of the Chief of Engineers  
1908-1916 Annual Reports of the Chief of Engineers. U.S. Government  
Printing Office, Washington, D.C.

Mills, Gary B.  
1978 Of Men and Rivers: the Story of the Vicksburg District. U.S.  
Army Engineer District, Vicksburg

## 10 GEOGRAPHICAL DATA

ACREAGE OF NOMINATED PROPERTY 5 11.26 See VBD of 4/17/83

UTM REFERENCES

A 

1	5
5	5
0	1
2	0

3	6
8	4
4	2
0	

ZONE EASTING NORTHING

C 

1	5
5	5
0	1
8	0

3	6
8	4
7	5
0	

B 

1	5
5	5
0	0
6	0

3	6
8	4
5	1
0	

ZONE EASTING NORTHING

D 

1	5
5	5
0	2
5	0

3	6
8	4
6	4
0	

VERBAL BOUNDARY DESCRIPTION

Boundary of the nominated Lock and Dam No. 8 property is shown on the enclosed portion of the 7½ minute Harrell Brake, Arkansas, quadrangle, USGS 1981. It is located within the NW¼ of the SE¼ of the NE¼, Section 29, Township 16 south, Range 13 west.

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE	CODE	COUNTY	CODE
Arkansas	05	Calhoun	013
STATE	CODE	COUNTY	CODE
Arkansas	05	Union	

## 11 FORM PREPARED BY

NAME / TITLE

Richard A. Weinstein, Archaeologist

ORGANIZATION

Coastal Environments, Inc.

DATE

March 31, 1983

STREET & NUMBER

1260 Main Street

TELEPHONE

(504) 383-7455

CITY OR TOWN

Baton Rouge, LA 70802

STATE

## 12 CERTIFICATION OF NOMINATION

STATE HISTORIC PRESERVATION OFFICER RECOMMENDATION

YES ☒

NO ☐

NONE ☐

*William Skiles*  
STATE HISTORIC PRESERVATION OFFICER SIGNATURE

In compliance with Executive Order 11593, I hereby nominate this property to the National Register, certifying that the State Historic Preservation Officer has been allowed 90 days in which to present the nomination to the State Review Board and to evaluate its significance. The evaluated level of significance is ☒ National ☐ State ☐ Local.

FEDERAL REPRESENTATIVE SIGNATURE *Richard A. Weinstein*

TITLE

*Preservation Officer, Civil Works - USACE*

DATE

*28 June 1983*

FOR NPS USE ONLY

I HEREBY CERTIFY THAT THIS PROPERTY IS INCLUDED IN THE NATIONAL REGISTER

*Patricia Andrews*

DATE

*12/19/83*

DIRECTOR, OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION

ATTEST:

DATE

KEEPER OF THE NATIONAL REGISTER



United States Department of the Interior  
National Park Service

Substantive Review

Ouachita River Lock and Dam No. 8  
Calhoun County  
ARKANSAS

Working No. JUL 6 1983  
Fed. Reg. Date: 8/4/83  
Date Due: 8/20/83  
Action: ACCEPT  
RETURN 8/19/83  
REJECT  
Federal Agency: Corp of Engineers

resubmission  
nomination by person or local government  
owner objection  
appeal  
Substantive Review: sample request appeal NR decision

Reviewer's comments: Lock and dam #8 constructed between 1908-1916  
are being nominated as significant for constituting one of the  
oldest lock and dam units in Arkansas. They  
represent an important component of the  
earliest attempts by the Army (COE) to control  
a river system in the State. In terms of  
engineering, the property is unique for its use  
of changeable movable wickets. Used to adjust water level, they are  
Nomination returned for: technical corrections cited below  
substantive reasons discussed below

Recom./Criteria Return for technical info  
Reviewer Accepted  
Discipline Arch/Arch Hist  
Date 8/16/83  
see continuation sheet

1. Name
2. Location
3. Classification
4. Owner of Property
5. Location of Legal Description
6. Representation in Existing Surveys

has this property been determined eligible? yes no

## 7. Description

Condition excellent deteriorated unaffected original site  
good ruins altered moved date  
fair unexposed

Describe the present and original (if known) physical appearance

- summary paragraph
- completeness
- clarity
- alterations/integrity
- dates
- boundary selection

## 8. Significance

Period \_\_\_\_\_ Areas of Significance—Check and justify below

Specific dates \_\_\_\_\_

Builder/Architect \_\_\_\_\_

Statement of Significance (in one paragraph)

- ☒ summary paragraph
- ☒ completeness
- ☒ clarity
- ☒ applicable criteria
- ☒ justification of areas checked
- ☒ relating significance to the resource
- ☒ context
- ☒ relationship of integrity to significance
- ☒ justification of exception
- ☒ other

## 9. Major Bibliographical References

## 10. Geographical Data

Acreage of nominated property \_\_\_\_\_

Quadrangle name \_\_\_\_\_

USIT Reference \_\_\_\_\_

Verbal boundary description and justification

*The info. provided as a verbal boundary description locates the property rather than delineating the nominated area, and the section of the USGS map showing the boundary is not acceptable because the scale of the map is too large. Please provide boundaries as opposed to location - this can either be a written verbal boundary description of the nominated area, or a sketch map drawn to scale showing the boundary of the nominated area.*

## 11. Form Prepared By

## 12. State Historic Preservation Officer Certification

The evaluated significance of this property within the state is:

\_\_\_\_ national \_\_\_\_ state \_\_\_\_ local

State Historic Preservation Officer signature \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

## 13. Other

- ☒ Maps
- ☒ Photographs
- ☒ Other

*Please provide a USGS full size map.*

Questions concerning this nomination may be directed to \_\_\_\_\_

Signed \_\_\_\_\_

*Patrick Andrews*

Date 8/19/83

Phone: 202 272-3504

Comments for any item may be continued on an attached sheet



United States Department of the Interior  
National Park Service

Ouachita River Lock and Dam No. 8  
Calhoun County  
ARKANSAS

## Substantive Review

Working No. 7/6/83Fed. Reg. Date: 11/12/83Date Due: 11/12/83Action: ☐ ACCEPT  
☒ RETURN 11/9/83  
☐ REJECTFederal Agency: COFE

- ☒ resubmission  
☐ nomination by person or local government  
☐ owner objection  
☐ appeal

Substantive Review: ☒ sample ☐ request ☐ appeal ☐ NR decision

## Reviewer's comments:

There is a discrepancy between acreage shown on form (5 acres) & acreage described in newly submitted verbal boundary description (2 parcels, 9 acres & 51.43 acres). Return for accurate boundary description & acreage of what is being nominated

Recom. / Criteria Return  
Reviewer Patrick Andrews  
Discipline Historian  
Date 11/9/83  
☐ see continuation sheetNomination returned for: ☐ technical corrections cited below  
☒ substantive reasons discussed below1. Name2. Location3. Classification

Category	Ownership	Status	Present Use
	Public Acquisition	Accessible	

4. Owner of Property5. Location of Legal Description6. Representation in Existing Surveyshas this property been determined eligible? ☐ yes ☐ no7. Description

Condition	Check one	Check one
<input type="checkbox"/> excellent	<input type="checkbox"/> deteriorated	<input type="checkbox"/> original site
<input type="checkbox"/> good	<input type="checkbox"/> ruins	<input type="checkbox"/> moved date <u>      </u>
<input type="checkbox"/> fair	<input type="checkbox"/> unexposed	

Describe the present and original (if known) physical appearance

- ☐ summary paragraph  
☐ completeness  
☐ clarity  
☐ alterations/integrity  
☐ dates  
☐ boundary selection



## 8. Significance

Period \_\_\_\_\_ Area of Significance—Check and justify below

Specific dates \_\_\_\_\_ Builder/Architect \_\_\_\_\_

Statement of Significance (in one paragraph)

- ☐ summary paragraph
- ☐ completeness
- ☐ clarity
- ☐ applicable criteria
- ☐ justification of areas checked
- ☐ relating significance to the resource
- ☐ context
- ☐ relationship of integrity to significance
- ☐ justification of exception
- ☐ other

## 9. Major Bibliographical References

### 10. Geographical Data

Acres of nominated property \_\_\_\_\_

Quadrangle name \_\_\_\_\_

UMT References \_\_\_\_\_

Verbal boundary description and justification

The new verbal boundary description includes 2 parcels of 9.9 acres & 51.43 acres - yet the nomination form shows only 5 acres being nominated. Please clarify & submit an accurate description of the nominated area (either a written verbal boundary description or a site map drawn to scale with the boundary clearly delineated). If a large amount of acreage is nominated, please provide a justification.

### 11. Form Prepared By

### 12. State Historic Preservation Officer Certification

The evaluated significance of this property within the state is:

☐ national ☐ state ☐ local

State Historic Preservation Officer signature \_\_\_\_\_

Title \_\_\_\_\_ date \_\_\_\_\_

### 13. Other

- ☐ Maps
- ☐ Photographs
- ☐ Other

Questions concerning this nomination may be directed to

Patrick Andrews

Signed

Patrick Andrews

Date

11/9/83

Phone: 202

343-9543  
272-3504

Comments for any item may be continued on an attached sheet

Patrick,

Here is the actual legal description you needed. The person that did it used a copy of the quad map with the "site" limits marked on it. This should be good. You will notice that the acreage dit change.

Shelia





LEGAL DESCRIPTION LOCK & DAM NO. 8  
OUACHITA RIVER  
UNION AND CALHOUN CO., ARK.

A tract or parcel of land lying and being situated in the NE  $\frac{1}{4}$  of Section 29, Township 16 South, Range 13 West, of Union and Calhoun Counties, Arkansas, and being more particularly described as follows:

Commencing at the Southeast corner of the Northwest  $\frac{1}{4}$  of Section 29, run along the East boundary of said Section 29, North, 411.6 feet, then West 1141.3 feet to the point of beginning of the tract herein described:

Thence from said point of beginning N  $36^{\circ}00'$  W, 477.4 feet, more or less, to the left descending top bank of the Ouachita River;

Thence Northeasterly along said top bank 285 feet;

Thence N  $33^{\circ}00'$  W to the center line of the Ouachita River;

Thence along said centerline, Northeasterly 300 feet;

Thence N  $36^{\circ}00'$  W, to the right descending top bank of the Ouachita River;

Thence Northeasterly along said top bank 325 feet;

Thence S  $36^{\circ}00'$  E, 480 feet;

Thence S  $54^{\circ}00'$  W, 464 feet;

Thence S  $36^{\circ}00'$  W, 330 feet;

Thence S  $54^{\circ}00'$  W, 460 feet, to the point of beginning, containing 11.26 acres, more or less.

Nov. 17, 1983

# NATIONAL REGISTER OF HISTORIC PLACES

United States Department of the Interior  
National Park Service

## EVALUATION / RETURN SHEET

Substantive Review

Property: Quachita River Lock and Dam No. 8  
State, County: Calhoun  
Federal Agency: ARKANSAS Corps of Engineers

Working No. 7/6/83  
Fed. Reg. Date: 2-5-85  
Date Due: 1/1/84  
Action: ☒ ACCEPT 12/19/83  
☐ RETURN  
☐ REJECT

photos \_\_\_\_\_  
maps \_\_\_\_\_

☒ resubmission  
☐ nomination by person or local government  
☐ owner objection  
☐ appeal

Substantive Review: ☒ sample ☐ request ☐ appeal ☐ NR decision

### Reviewer's comments:

on resubmission, an accurate VBD for 11.26 acres  
has been submitted

lock & dam are historically significant examples  
of early 20th cent. engineering

Recom./Criteria accept AIC  
Reviewer Patrick Andrus  
Discipline Historian  
Date 12/19/83  
see continuation sheet

Nomination returned for: ☐ technical corrections cited below  
☐ substantive reasons discussed below

### 1. Name

### 2. Location

### 3. Classification

Category	Ownership	Status	Present Use
	Public Acquisition	Accessible	

### 4. Owner of Property

### 5. Location of Legal Description

### 6. Representation in Existing Surveys

has this property been determined eligible? ☐ yes ☐ no

### 7. Description

Condition	Check one	Check one
<input type="checkbox"/> excellent	<input type="checkbox"/> deteriorated	<input type="checkbox"/> original site
<input type="checkbox"/> good	<input type="checkbox"/> ruins	<input type="checkbox"/> moved
<input type="checkbox"/> fair	<input type="checkbox"/> unexposed	<input type="checkbox"/> date

Describe the present and original (if known) physical appearance

☐ summary paragraph  
☐ completeness  
☐ clarity  
☐ alterations/integrity  
☐ dates  
☐ boundary selection

## 8. Significance

Period \_\_\_\_\_ Areas of Significance—Check and justify below

Specific dates \_\_\_\_\_

Builder/Architect \_\_\_\_\_

Statement of Significance (in one paragraph)

- ☐ summary paragraph
- ☐ completeness
- ☐ clarity
- ☐ applicable criteria
- ☐ justification of areas checked
- ☐ relating significance to the resource
- ☐ context
- ☐ relationship of integrity to significance
- ☐ justification of exception
- ☐ other

## 9. Major Bibliographical References

## 10. Geographical Data

Acres of nominated property \_\_\_\_\_

Quadrangle name \_\_\_\_\_

UNIT References \_\_\_\_\_

Verbal boundary description and justification \_\_\_\_\_

## 11. Form Prepared By

## 12. State Historic Preservation Officer Certification

The evaluated significance of this property within the state is:

☐ national ☐ state ☐ local

State Historic Preservation Officer signature \_\_\_\_\_

Title \_\_\_\_\_ date \_\_\_\_\_

## 13. Other

- ☐ Maps
- ☐ Photographs
- ☐ Other

Questions concerning this nomination may be directed to \_\_\_\_\_

Signed \_\_\_\_\_ Date \_\_\_\_\_ Phone: 202 272-3504

Comments for any item may be continued on an attached sheet





1) Ouachita River Lock and Dam No. 8

2) Calion, Arkansas

3) Richard A. Weinstein

4) November 23, 1982

5) Coastal Environments, Inc.

1260 Main St.

Baton Rouge, LA 70802

6) View to the northeast showing  
dam across Ouachita River.

7) W82-R14, 4.





1) Ouachita River Lock and Dam No. 8

2) Calion, Arkansas

3) Richard A. Weinstein

4) November 23, 1982

5) Coastal Environments, Inc.

1260 Main St.

Baton Rouge, LA 70802

6) View to the northeast showing  
the lock, looking upriver.

7) W82-R14, 3



1) Ouachita River Lock and Dam No. 8

2) Calion, Arkansas

3) Richard A. Weinstein

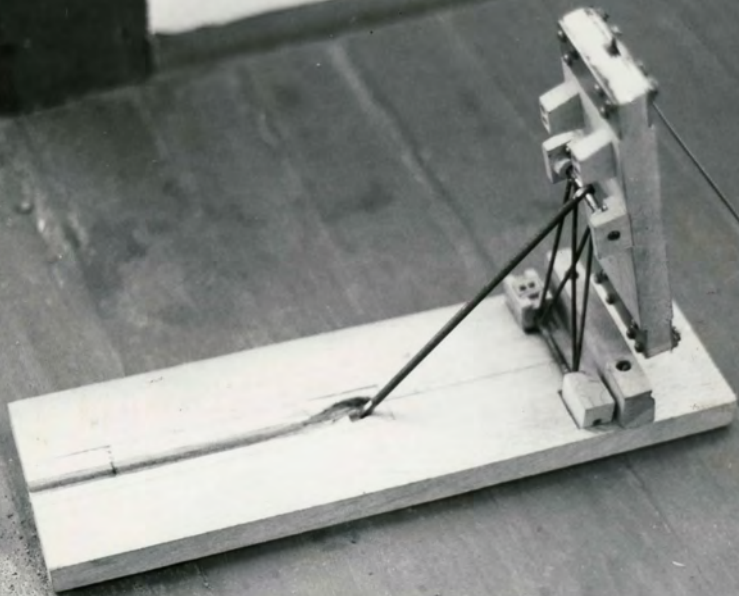
4) November 23, 1982

5) Coastal Environments, Inc.  
1260 Main St.

Baton Rouge, LA 70802

6) View to the west showing the  
lower mitering gate on the  
lock.

7) K82-R7, 36





1) Ouachita River Lock and Dam No. 8

2) Calion, Arkansas

3) Richard A. Weinstein

4) November 23, 1982

5) Coastal Environments, Inc.  
1260 Main St.

Baton Rouge, LA 70802

6) Model of one of the chanoine  
wickets.

7) K82-R7, 35



1) Ouachita River Lock and Dam No. 8

2) Calion, Arkansas

3) Richard A. Weinstein

4) November 23, 1982

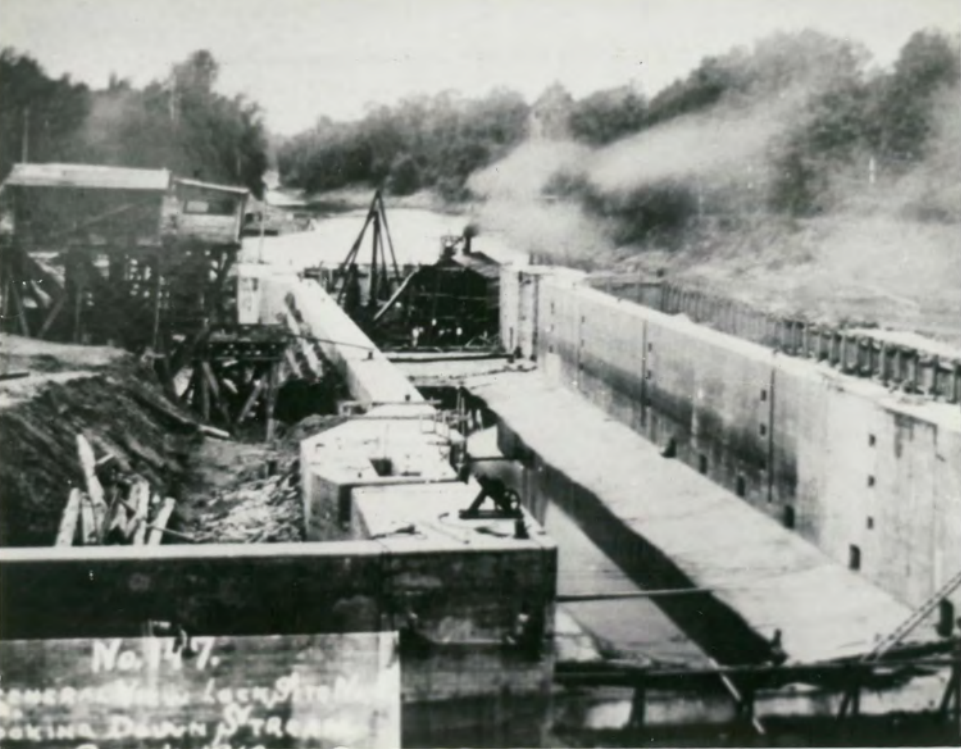
5) Coastal Environments, Inc.

1260 Main St.

Baton Rouge, LA 70802

6) View to the southwest showing  
buildings atop artificial mound.

7) K 82-R 7, 34



No. 147.  
General View, Lock Site,  
Looking Down Stream.



1) Ouachita River Lock and Dam No. 8

2) Calion, Arkansas

3) Richard A. Weinstein

4) November 23, 1982

5) Coastal Environments, Inc.

1260 Main St.

Baton Rouge, LA 70802

6) View of lock construction copied  
from Corps of Engineers photo  
dated 1910. Caption reads,

"General View of Lock Site No. 8  
Looking Down Stream."

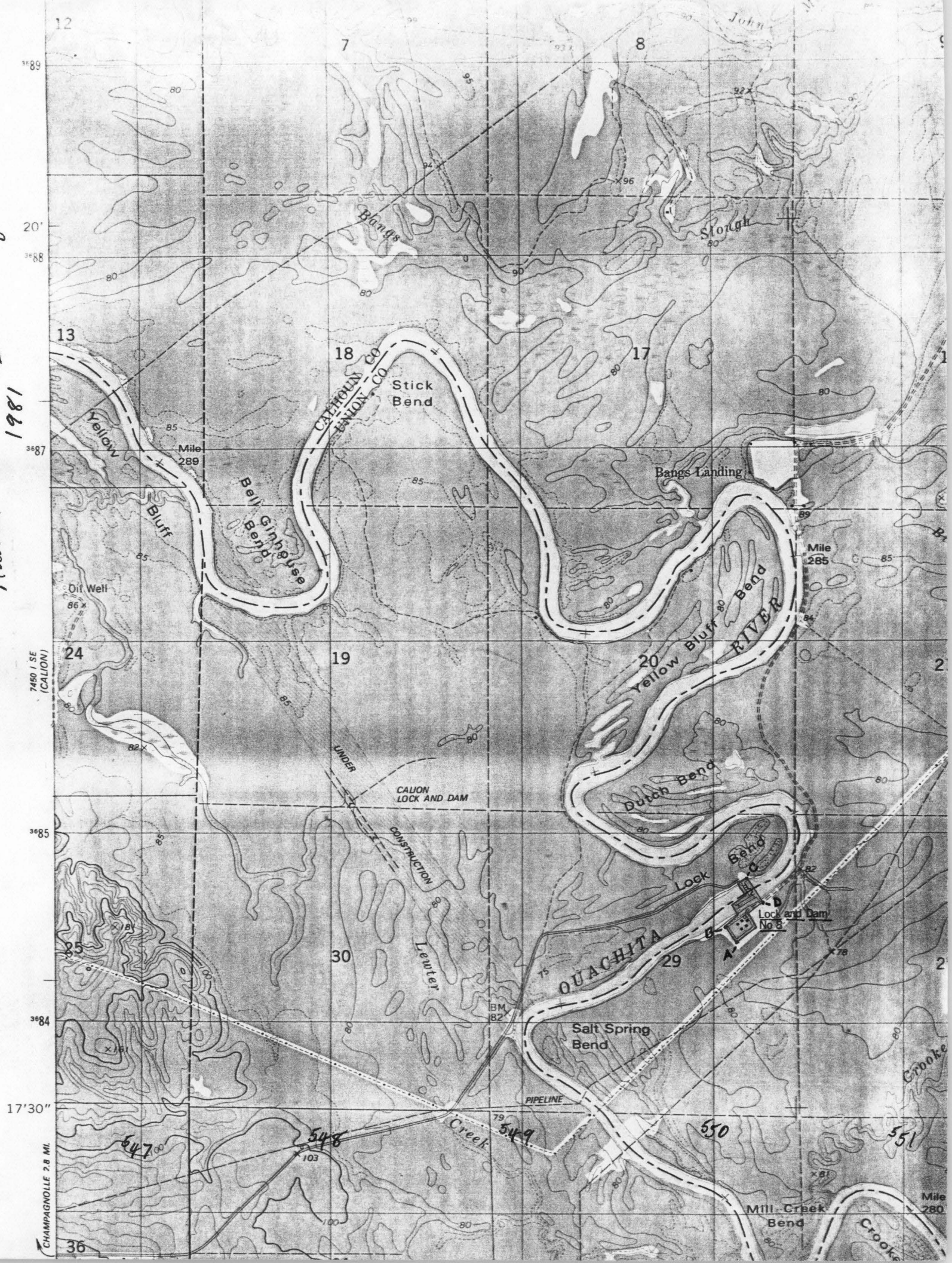
7) W82-R14, 9.



- 1) Ouachita River Lock and Dam No. 8
- 2) Calion, Arkansas
- 3) Richard A. Weinstein
- 4) November 23, 1982
- 5) Coastal Environments, Inc.  
1260 Main St.  
Baton Rouge, LA 70802
- 6) View of lock aprons and wall  
without dam, looking down river.

Photo copied from Corps of  
Engineers photo dated 1910-1913.  
→ W82-R14, 7.

Harrell Brake 7 1/2 minute quad.  
1981







Mapped, edited, and published by the Geological Survey  
Control by USGS and NOS/NOAA

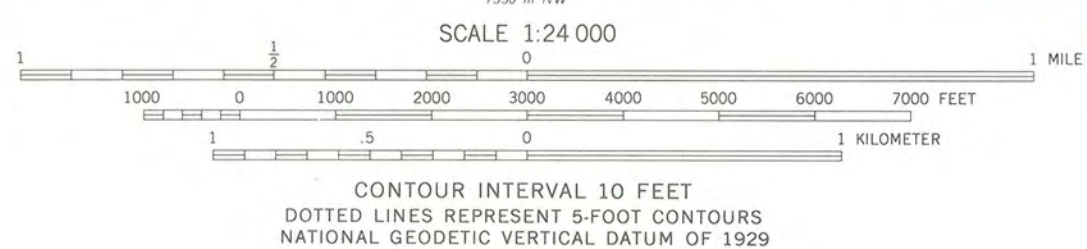
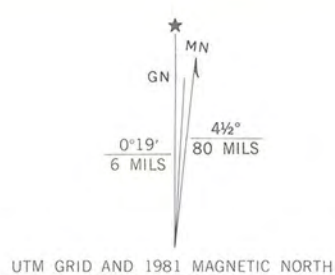
Topography by photogrammetric methods from aerial photographs  
taken 1976. Field checked 1977. Map edited 1981

Projection and 10,000-foot grid ticks: Arkansas coordinate  
system, south zone (Lambert conformal conic)  
1000-meter Universal Transverse Mercator grid, zone 15  
1927 North American Datum

To place on the predicted North American Datum 1983  
move the projection lines 11 meters south and  
14 meters east as shown by dashed corner ticks

Blue hatching indicates areas to be submerged  
Areas covered by dashed light-blue pattern  
are subject to controlled inundation

Fine red dashed lines indicate selected fence and field lines where  
generally visible on aerial photographs. This information is unchecked



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
AND ARKANSAS GEOLOGICAL COMMISSION, LITTLE ROCK, ARKANSAS 72204  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

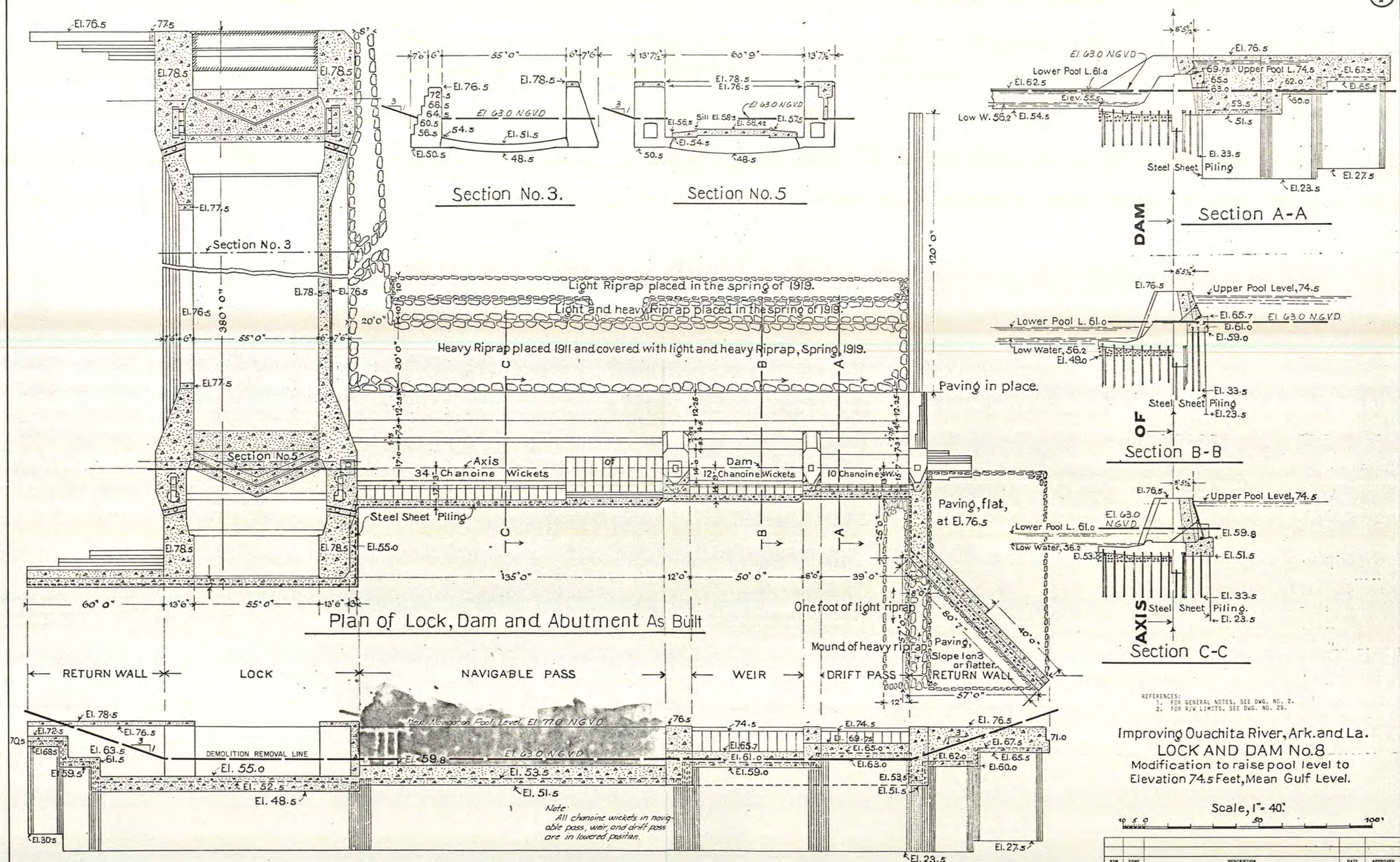


ROAD CLASSIFICATION  
Primary highway, hard surface ——— Light-duty road, hard or improved surface ———  
Secondary highway, hard surface ——— Unimproved road ———  
Interstate Route ——— U. S. Route ——— State Route ———

HARRELL BRAKE, ARK.  
SW/4 MORO BAY 15' QUADRANGLE  
N3315-W9222.5/7.5  
1981  
DMA 7550 IV SW-SERIES V884

NEW LONDON  
7550 IV SW  
1981





Improving Ouachita River, Ark. and La.  
**LOCK AND DAM No. 8**  
Modification to raise pool level to  
Elevation 74.5 Feet, Mean Gulf Level.

Scale, 1" = 40'

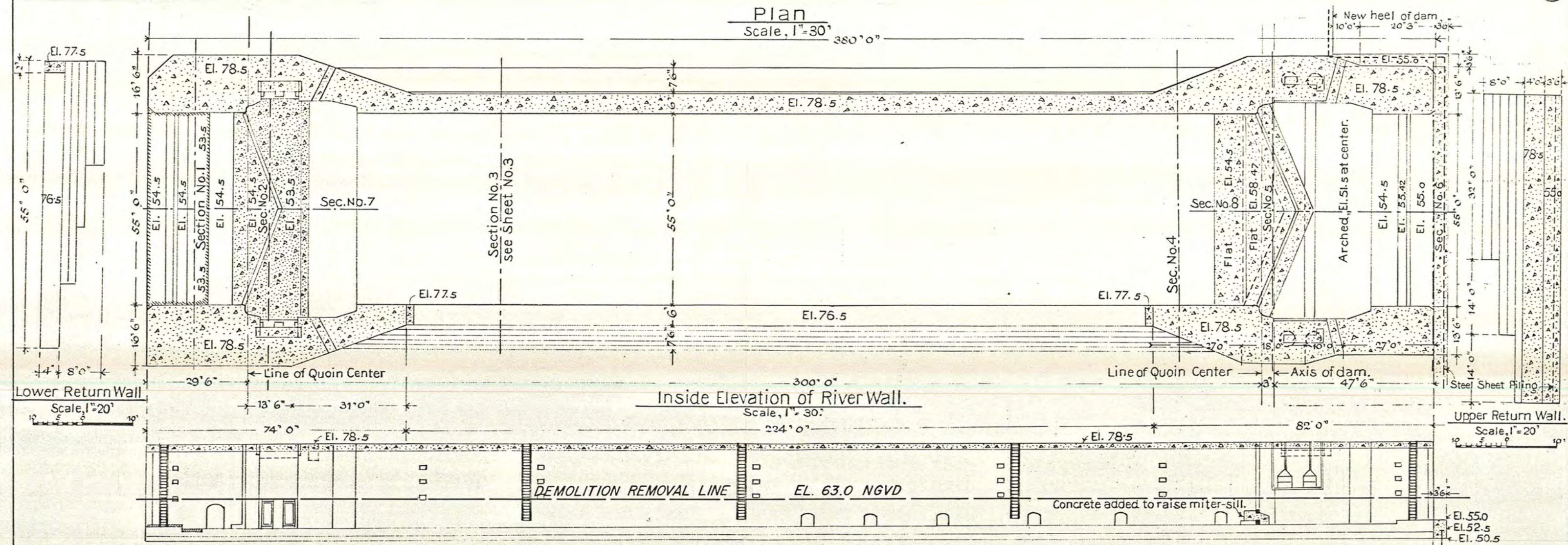
SYMBOL		DESCRIPTION	DATE	APPROVED
REVISIONS				
DESIGN	DESIGNED BY:	J. O. B.	U. S. ARMY ENGINEER DISTRICT, VICKSBURG CORPS OF ENGINEERS VICKSBURG, MISSISSIPPI	
	COMPUTED BY:	J. O. B.		
	CHECKED BY:	C. E. S.		
	DRAWN BY:	J. E. H.		
DRAWING	TRACED BY:	J. E. H.	REMOVE EXISTING STRUCTURES LOCK AND DAM 8 <b>DETAILS OF STRUCTURE REMOVAL PLAN, ELEVATION, AND SECTIONS</b>	
	CHECKED BY:	J. O. B.		
	DATE:			
	SUBMITTED:			
CHIEF, STRUCTURES SECTION		INVESTIGATION NO.	SIZE	FILE NO.
RECOMMENDED:		DATE	F	0-15-171
CHIEF DESIGN BRANCH		DATE	SCALE	DRAWING NO.
			AS SHOWN	26

**WORK SAFELY**

**LEGEND**  
[Stippled Area] Additional concrete.  
[Hatched Area] Old concrete, cut away.



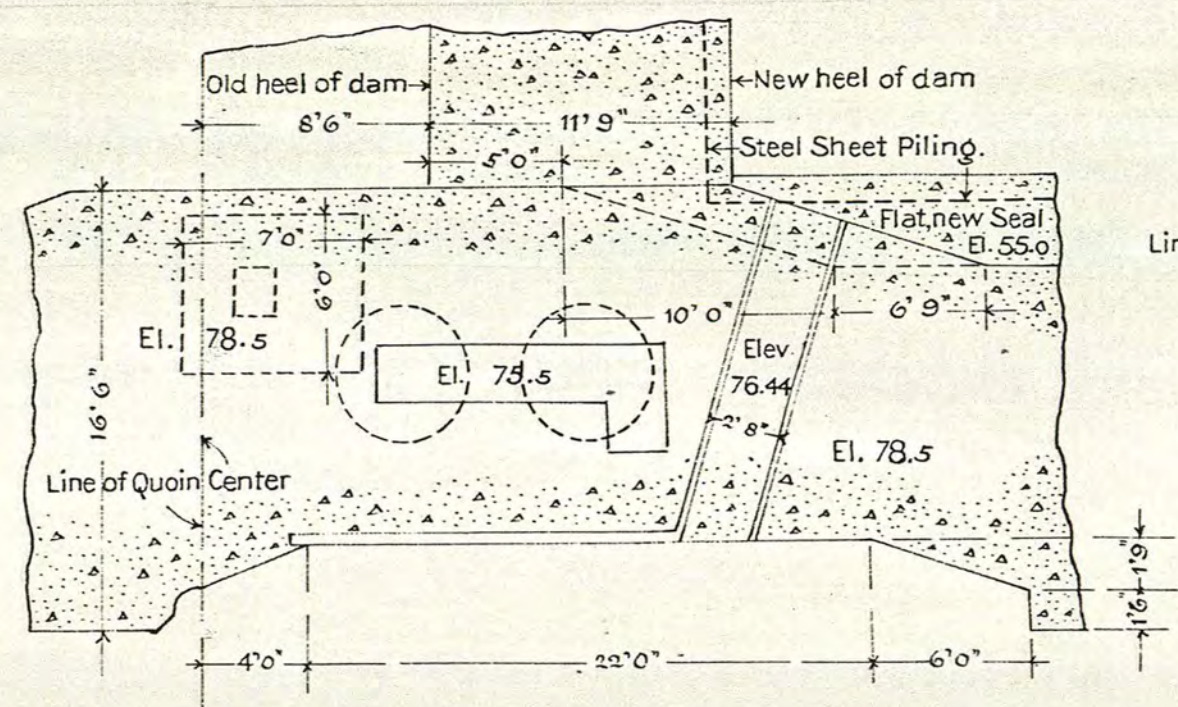
Plan  
Scale, 1"=30'



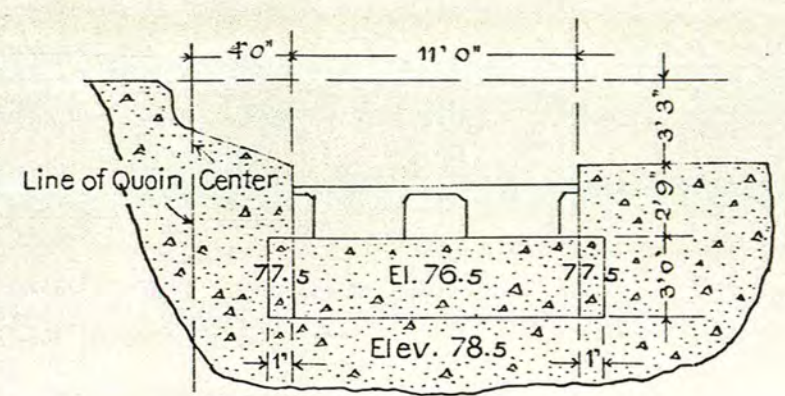
Lower Return Wall  
Scale, 1"=20'

Upper Return Wall  
Scale, 1"=20'

LEGEND.  
 Additions to concrete.  
 Old concrete, cut away.



Plan of upper gate abutment, River Wall.  
Scale, 1"=8'



Plan of Butterfly Valve Recesses.  
Scale, 1"=8'

Improving Ouachita River, Ark. and La.  
**LOCK AND DAM No. 8**  
 Modification to raise pool level to  
 Elevation 74.5 Feet, Mean Gulf Level.

REFERENCES:  
 1. FOR GENERAL NOTES, SEE DWG. NO. 2.  
 2. FOR SECTIONS, SEE DWG. NO. 28.

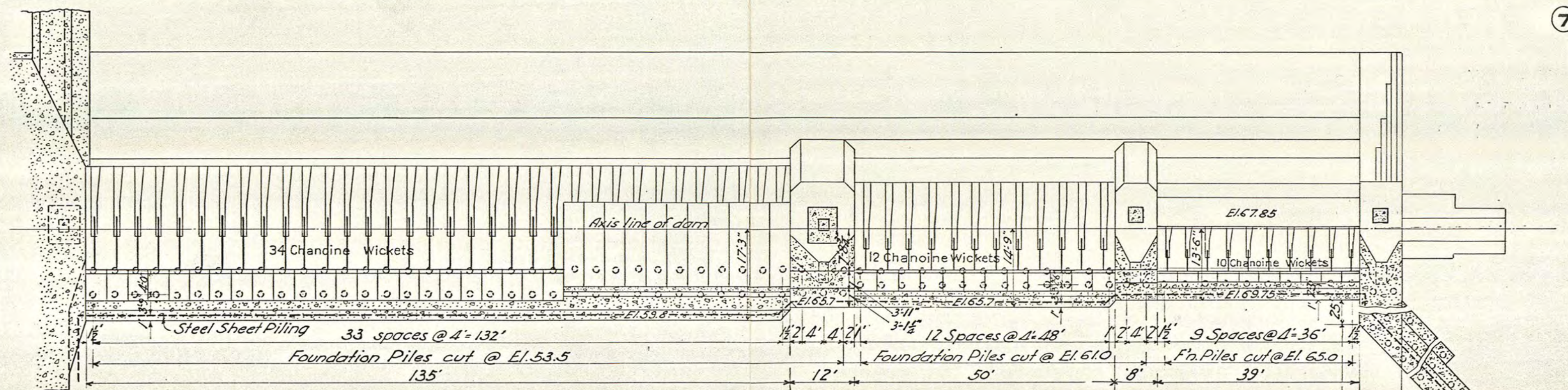
Scale, 1"=30'



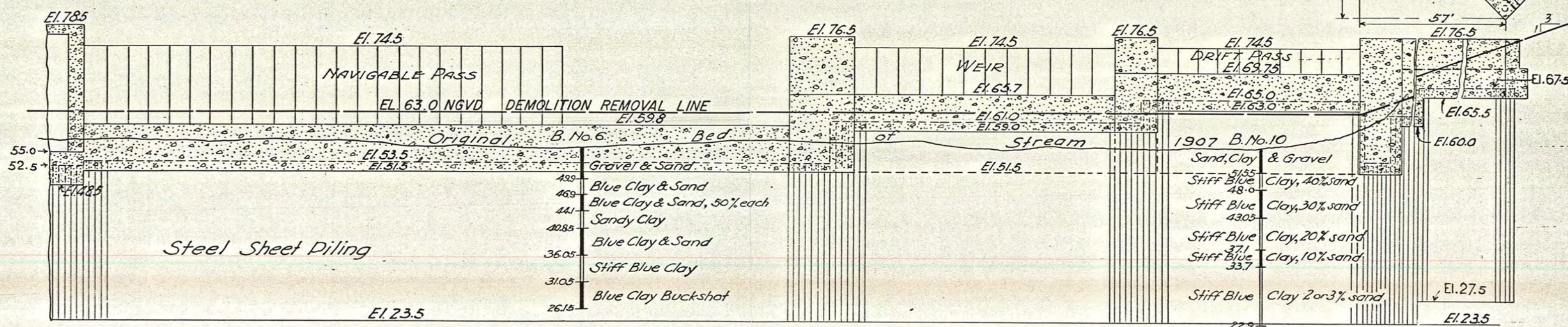
**WORK SAFELY**

SYN	ZONE	DESCRIPTION	DATE	APPROVED
<p>DESIGNED BY: J.O.B.                      COMPUTED BY: J.O.B.                      CHECKED BY: C.E.S.                      DRAWING: J.E.H.                      TRACED BY: J.E.H.                      CHECKED BY: J.O.B.</p>				
<p>U. S. ARMY ENGINEER DISTRICT, VICKSBURG                      CORPS OF ENGINEERS                      VICKSBURG, MISSISSIPPI</p>				
<p>REMOVE EXISTING STRUCTURES                      LOCK AND DAM 8  <b>LOCK - PLAN AND ELEVATION</b></p>				
<p>DATE: _____</p>		<p>INVESTIGATION NO. _____</p>		
<p>CHIEF, STRUCTURES SECTION</p>		<p>DATE: _____</p>		
<p>RECOMMENDED</p>		<p>DATE: _____</p>		
<p>CHIEF DESIGN BRANCH</p>		<p>DATE: _____</p>		
<p>SCALE: AS SHOWN</p>		<p>SHEET 1 OF 2</p>		





# PLAN

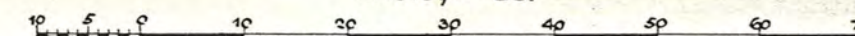


FRONT ELEVATION

Improving Ouachita River, Ark. and La.  
LOCK AND DAM No.8  
Modification to raise pool level to  
Elevation 74.5 Feet, Mean Gulf Level.

REFERENCE:  
FOR GENERAL NOTES, SEE DWG. NO. 2

Scale, 1"=20'



## WORK SAFELY

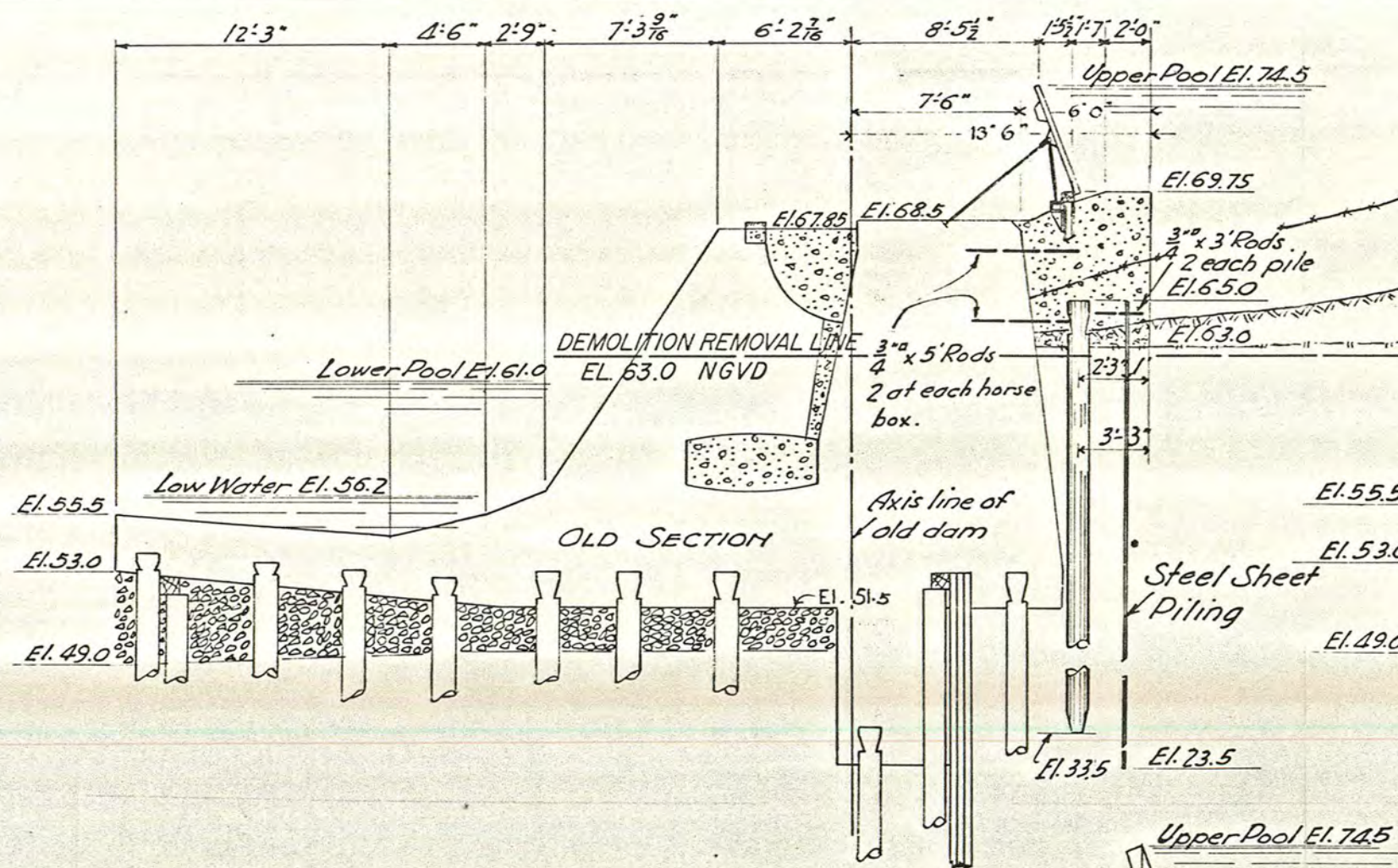
SYM	ZONE	DESCRIPTION			DATE APPROVED
REVISIONS					
DESIGN	DESIGNED BY:	J. O. B.			
	COMPUTED BY:	J. O. B.			
	CHECKED BY:	C. E. S.			
DRAWING	DRAWN BY:	J. E. H.			
	TRACED BY:	J. E. H.			
	CHECKED BY:	J. O. B.			
DATE:					
SUBMITTED:					
CHIEF, STRUCTURES SECTION					
RECOMMENDED:					

U.S. ARMY ENGINEER DISTRICT, VICKSBURG  
CORPS OF ENGINEERS  
VICKSBURG, MISSISSIPPI

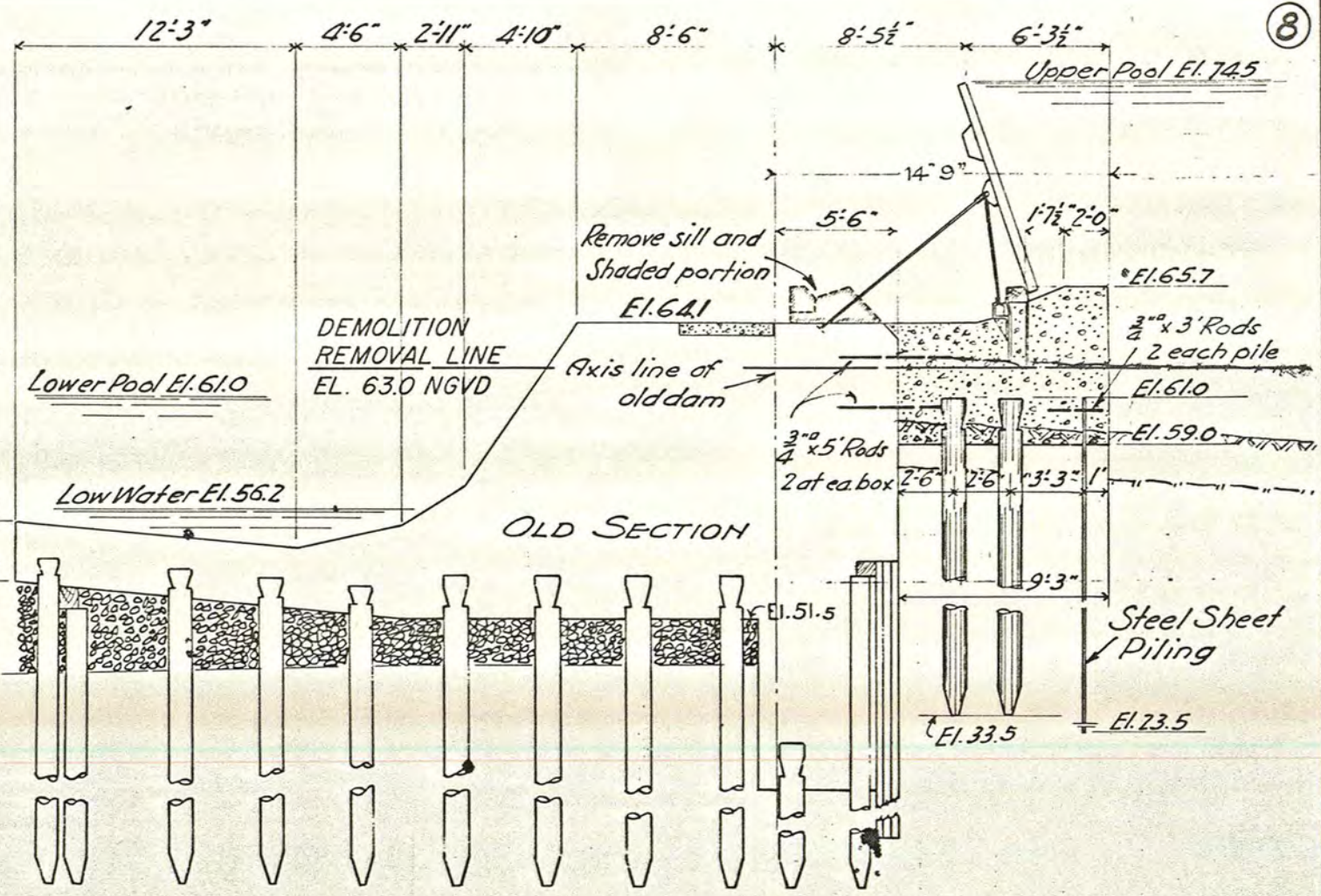
**REMOVE EXISTING STRUCTURES  
LOCK AND DAM 8  
DAM - PLAN AND ELEVATION**

INVITATION NO.	SIZE	FILE NO.	DRAWING NO.
DATE	F <small>FEET</small>	O-15-17I	30
SCALES AS SHOWN		SHEET 1 of 2	





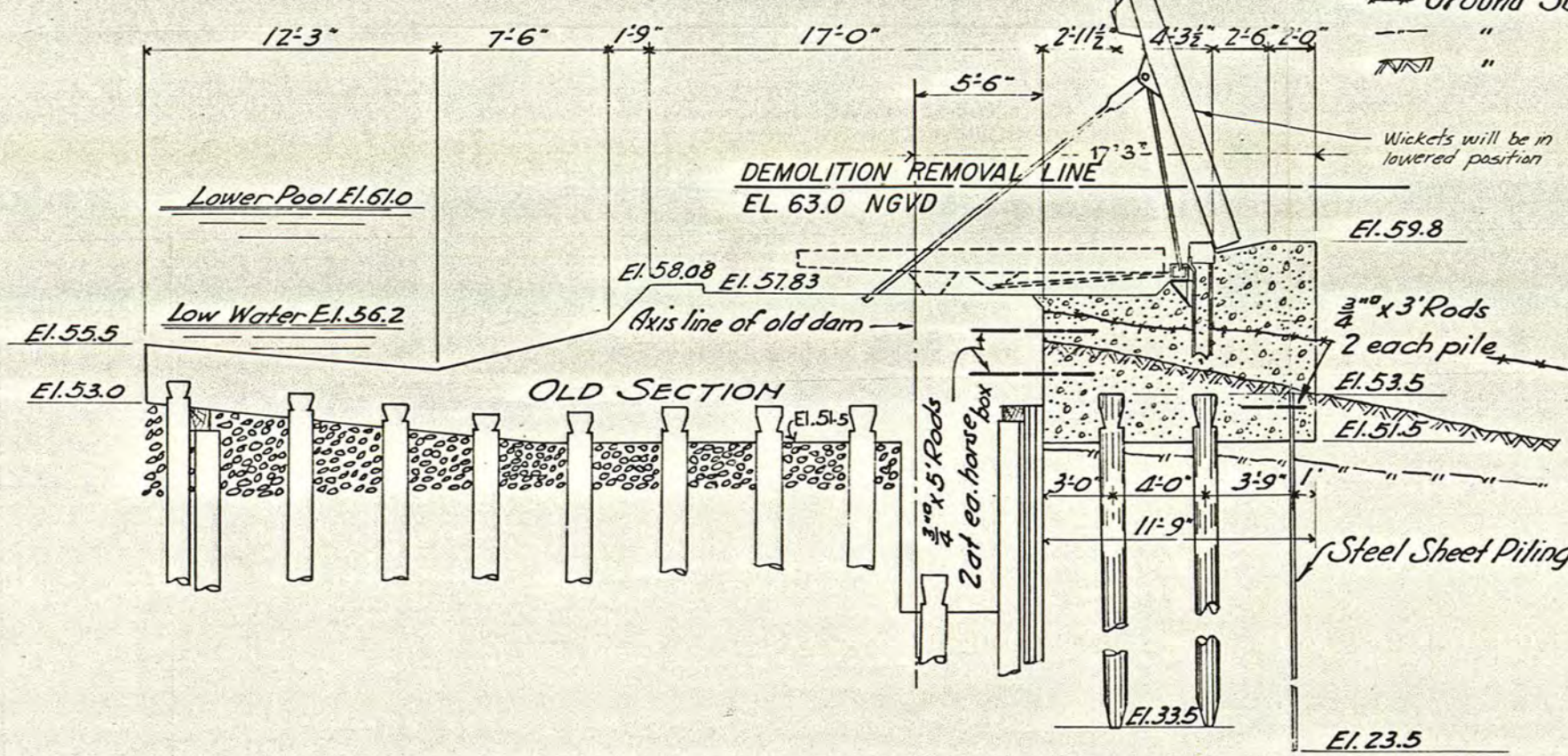
SECTION THRU DRIFT PASS



SECTION THRU WEIR

LEGEND  
 --- Ground Surface, Highest  
 --- " " , Lowest  
 --- " " , Average

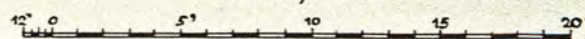
The base of the concrete additions at heel of dam is in no case to be raised above the elevations shown; but should such elevation be at any point above the river bed as found at time of placing, the concrete is to be carried down to the the natural ground surface at these points.



SECTION THRU NAVIGABLE PASS

Improving Ouachita River, Ark. and La.  
 LOCK AND DAM No. 8  
 Modification to raise pool level to Elevation 74.5 Feet, Mean Gulf Level.

Scale, 1" = 8'



WORK SAFELY

REFERENCE:  
 FOR GENERAL NOTES, SEE DWG. NO. 2.

SYM	ZONE	DESCRIPTION			DATE	APPROVED	
REVISIONS							
DESIGN		DESIGNED BY: J.O.B.		U. S. ARMY ENGINEER DISTRICT, VICKSBURG CORPS OF ENGINEERS VICKSBURG, MISSISSIPPI			
		COMPUTED BY: J.O.B.					
		CHECKED BY: C.E.S.					
DRAWING		DRAWN BY: J.E.H.		<div>REMOVE EXISTING STRUCTURES LOCK AND DAM B DAM - SECTIONS</div>			
		TRACED BY: J.E.H.					
		CHECKED BY: J.O.B.					
DATE:							
SUBMITTED:							
RECOMMENDED:							
CHIEF, STRUCTURES SECTION		INVESTIGATION NO.		SIZE	FILE NO.	DRAWING NO.	
		DATE:		F	0-15-171	31	
CHIEF DESIGN BRANCH		SCALE AS SHOWN		SHEET		2 OF 2	





DEPARTMENT OF THE ARMY  
OFFICE OF THE CHIEF OF ENGINEERS  
WASHINGTON, D.C. 20314

29 JUN 1983

REPLY TO  
ATTENTION OF:

DAEN-CWP-P

Ms. Carol D. Shull  
Keeper of the National Register of Historic Places  
National Park Service  
1100 L Street, N.W.  
Washington, D.C. 20240

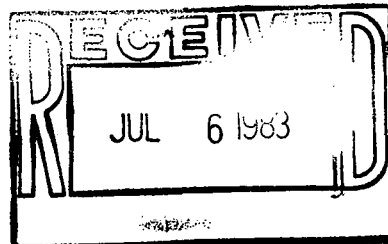
Dear Ms. Shull:

Enclosed is an executed nomination of Lock and Dam 8, Ouchita River, Arkansas, to the National Register of Historic Places. This structure is owned by the United States and under jurisdiction of the US Army Corps of Engineers. The existing structures will be removed as hazards to navigation once the new Calion Lock and Dam are completed late this year.

The State Historic Preservation Officer has evaluated the significance of these structures as local; I concur in this evaluation.

Sincerely yours,

*Richard G. Leverty*  
Richard G. Leverty  
Federal Representative



# ROUTING AND TRANSMITTAL SLIP

Date

21 Sep 83

TO: (Name, office symbol, room number, building, Agency/Post)

Initials

Date

1. Attn: Patrick Ardus
2. Re: Calion Lock & Dam No. 8
3. Ouachita River, Arkansas
- 4.
- 5.

Action	File	Note and Return
Approval	For Clearance	Per Conversation
<input checked="" type="checkbox"/> As Requested	For Correction	Prepare Reply
Circulate	For Your Information	See Me
Comment	Investigate	Signature
Coordination	Justify	

## REMARKS

Norma,

Patrick said to keep this and do whatever you normally do with it.

DO NOT use this form as a RECORD of approvals, concurrences, disposals, clearances, and similar actions

FROM: (Name, org. symbol, Agency/Post)

Kate Garbrough  
Vicksburg Dist. Office, Corps Engineers  
Vicksburg, MS

Room No.—Bldg.

FTS-542-5442

Phone No.

601/634-5442

5041-102

OPTIONAL FORM 41 (Rev. 7-76)

Prescribed by GSA  
FPMR (41 CFR) 101-11.206

11/7/83 called for Kate Youlough - she  
is out for an extended period. I talked to  
Sheila Lewis - she will check & call back.

11/9/83 I have not yet heard from them -  
nomination has to be returned because 45  
day review period ends on 11/12/83.

Patrick Anders, National Register