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SUPPLEMENT TO STANDARD  
OPERATION AND MAINTENANCE  
MANUAL

SACRAMENTO RIVER  
FLOOD CONTROL PROJECT

UNIT NO. 144

WEST LEVEE OF FEATHER RIVER  
FROM  
NORTH BOUNDARY OF LEVEE DISTRICT NO. 1  
TO  
NORTH BOUNDARY OF RECLAMTION DISTRICT NO. 823



SACRAMENTO DISTRICT

CORPS OF ENGINEERS

U. S. ARMY

SACRAMENTO, CALIFORNIA

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CORPS OF ENGINEERS

U. S. ARMY

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Sacramento District  
Corps of Engineers  
U. S. Army  
August 1955

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SACRAMENTO RIVER FLOOD CONTROL PROJECT**

UNIT NO. 144

WEST LEVEE OF FEATHER RIVER FROM  
NORTH BOUNDARY OF LEVEE DISTRICT NO. 1 TO  
NORTH BOUNDARY OF RECLAMATION DISTRICT NO. 823

<b>LOCATION</b>	<b>ADDITION OR REVISION</b>	<b>DATE</b>
1-04 e.	Add contract no. 57-60	Nov 1963
1-04 f.	Add contract no. 56-41, 56-45, 56-46, 56-102, 56-162, 56-169, and 56-173	Nov 1963
1-04 g.	Add contract no. 56-154	Nov 1963
1-04 h.	Add contract no. 56-75	Nov 1963
1-04 i.	Add contract no. 57-76	Nov 1963
1-04 j.	Add contract no. 57-109	Nov 1963
1-04 k.	Add contract no. 57-65	Nov 1963
1-04 l.	Add contract no. 57-112	Nov 1963
Exhibit B	Add drawing no. 4-4-431	Nov 1963
Exhibit B	Add drawing no. 4-13-405	Nov 1963
Exhibit B	Add drawing no. 4-4-435	Nov 1963
Exhibit B	Add drawing no. 4-4-437	Nov 1963
Exhibit B	Add drawing no. 4-4-433	Nov 1963
Exhibit B	Add drawing no. 4-4-438	Nov 1963
1-04 m.	Add contract no. 60-73	Oct 1964
Exhibit B	Add drawing no. 4-4-508	Oct 1964
Exhibit F	Add letter of acceptance dated 13 Sep 1960	Oct 1964
1-04 n.	Add contract no. 66-50	Dec 1966
Exhibit B	Add drawing no. 50-4-4004	Dec 1966
Exhibit F	Add letter of acceptance dated 28 Jun 1966	Dec 1966
1-04	Add paragraph o	29 Apr 2010
Exhibit B	Add Drawing No. 4-4-627	29 Apr 2010
Exhibit F	Add copy of letter of transfer dated 14 Apr 2003	29 Apr 2010
Exhibit F	Add copy of letter of transfer dated 18 Jul 2003	29 Apr 2010
Exhibit F	Add copy of letter of transfer dated 8 Dec 1951	27 Dec 2010
Exhibit F	Add copy of letter of transfer dated 2 Oct 1952	27 Dec 2010
Exhibit F	Add copy of letter of transfer dated 24 Aug 1960	27 Dec 2010
1-04	Add subparagraph p	27 Dec 2010
Exhibit B	Add drawing no. 04-04-617	27 Dec 2010
Exhibit F	Add copy of letter of transfer dated 11 Apr 2001	27 Dec 2010
1-04	Add subparagraph q	27 Dec 2010
Exhibit B	Add drawing no. 4-25-626	27 Dec 2010
Exhibit F	Add copy of letter of transfer dated 4 Feb 2004	27 Dec 2010

LOCATION	ADDITION OR REVISION	DATE
1-04	Add subparagraph r	27 Dec 2010
Exhibit B	Add drawing no. 4-4-620	27 Dec 2010
Exhibit F	Add copy of letter of transfer dated 12 Mar 2004	27 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 21 May 2004 (LM 11 – 11.5)	27 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 21 May 2004 (LM 14.60 – 16.02)	27 Dec 2010
Exhibit F	Add copy of letter of transfer dated 20 Jun 1966	2 Feb 2011

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A	Flood Control Regulations -----	Unattached
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A-1	Location Drawing -----	1 Sheet
B	"As Constructed" Drawings -----	Unattached
C	Plates of Suggested Flood Fighting Methods --	Unattached
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D	Check List No. 1 - Levee Inspection Report --	Unattached
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E	Check Lists, Channels and Structures -----	Sheets 1 thru 8
F	Letter of Acceptance by State Reclamation Board	Sheets 1 thru 3
G	Semi-Annual Report Form -----	Sheets 1 and 2

SUPPLEMENT TO STANDARD

OPERATION AND MAINTENANCE MANUAL

SACRAMENTO RIVER FLOOD CONTROL PROJECT  
UNIT NO. 144

WEST LEVEE OF FEATHER RIVER  
FROM  
NORTH BOUNDARY OF LEVEE DISTRICT NO. 1  
TO  
NORTH BOUNDARY OF RECLAMATION DISTRICT NO. 823

SECTION I

INTRODUCTION

1-01. Location. The improvement covered by this manual is that part of the Sacramento River Flood Control Project which includes the west levee of the Feather River from the north boundary of Levee District No. 1, southerly (downstream) 17.55 miles to the north boundary of Reclamation District No. 823. The low water channel of the Feather River meanders through an overflow area which has a variable width of from 1200 feet to 4800 feet and is confined between levees along both banks. The levee of this unit lies within Levee District No. 1 and Reclamation District No. 2066 (now inoperative), in Sutter County, California, and in the general vicinity of Yuba City. The location of the completed unit covered by this manual is shown on Exhibit A-1.

1-02. Protection Provided. The levee of Unit No. 144 provides protection to Yuba City and adjacent agricultural land against flood waters of the Feather River and is an essential feature of the Sacramento River Flood Control Project. The grade of the adopted flood plane profile in the Feather River varies from elevation 82.38 at the north boundary of Levee District No. 1 to elevation 57.0 at the north boundary of Reclamation District No. 823 (Elevations are referred to Corps of Engineers datum). A freeboard above the project flood plane of 3 feet has been equaled or exceeded within this unit and the project design capacity is 300,000 to 320,000 cubic feet per second.

1-03. Project Works. The project works covered by this manual includes the west levee and banks of the Feather River from the north boundary of Levee District No. 1 (about 2.1 miles upstream from Highway

No. 99E Bridge crossing at Yuba City), southerly (downstream) 17.55 miles to the common boundary between Levee District No. I (Sutter County) and Reclamation District No. 823. This reach of levee was originally built by local interests and later re-constructed to the adopted grade and section by the Corps of Engineers.

1-04. Construction Data. Unit No. 144 of the flood control works described in this manual forms an integral part of the Sacramento River Flood Control Project. In general, all construction features are based on standard plans and specifications, details being fully covered in the drawings (see Exhibit B.)

Construction work required to bring locally built levees to project grade and section was accomplished under the following contracts:

a. Levee enlargement of the west levee of the Feather River in the vicinity of Yuba City from station 1380+00 to station 49+40 as shown on Drawing No. 44-172-1; sheets 2, 3, and 4 of Exhibit B, was constructed under Contract No. W-1105-Eng-2350 by Hemstreet and Bell, Contractors, and completed on 26 January 1939.

b. Levee enlargement of the west levee of the Feather River from Yuba City to Shanghai Bend and from Starr Bend 2 miles southerly as shown on Drawing No. 4-4-188-1; sheets 2, 3 and 4 was constructed under Contract No. W-1105-eng-2405 by Morrison & Knudsen Company, Contractors, and completed 3 September 1939.

c. Levee enlargement of the west levee of the Feather River from Shanghai Bend to Starr Bend and from 2 miles south of Starr Bend to opposite Bear River as shown on Drawing No. 4-4-205-1, sheets 2 to 8, inclusive, was constructed under Contract No. W-1105-eng-2694 by Morrison & Knudsen Company, Contractors, and completed on 16 November 1940.

d. A short section of levee crown of the west levee of the Feather River was surfaced for patrol road purposes in the vicinity of Yuba City under Contract No. DA-04-167-eng-828 by Browne and Krull, Contractors, and completed on 2 December 1952.

e. Emergency levee repairs along the west levee of the Feather River upstream and downstream from the 10th Street Bridge was accomplished under Contract No. DA-04-167-CIVENG-57-60 by W. H. Darrough and Sons, during the period from 1 October 1956 to 18 October 1956, Specification No. 2238, Drawing No. 4-4-431.

f. Emergency repair and reconstruction of approximately 8,000 feet of destroyed levee on the right bank of the Feather River downstream from Yuba City was accomplished under Contract Nos. DA-04-167-CIVENG-56-41, 56-45, 56-46, 56-102, 56-162, 56-169, and 56-173 by H. Earl Parker, Inc., San Francisco Bridge Company, Associated Dredging Company, and Pacific Gas and Electric Company, during the period from 26 December 1955 to 30 April 1956, Drawing No. 4-13-405.

g. Emergency levee repairs and bank paving, right bank of the Feather River at Starr Bend was accomplished under Contract No. DA-04-167-CIVENG-56-154 by Lester L. Rice & Sons during the period from 5 March 1956 to 13 March 1956. No drawings made.

h. Repairing levee of right bank of Feather River at Yuba City from 5<sup>th</sup> Street Bridge ½ mile downstream was accomplished under Contract No. DA-04-167-CIVENG-56-161 and 56-75 by Baldwin Contracting Company during the period from 29 December 1955 to 15 January 1956. No drawings made.

i. Emergency relief wells and drains along the Feather River near Yuba City were installed under Contract No. DA-04-167-CIVENG-57-76 by C. S. Phillips Construction Company during the period from 13 November 1956 to 12 April 1957, Specification No. 2256, Drawing No. 4-4-435.

j. Emergency levee repairs, west levee Feather River, relief trench drain at Yuba City was accomplished under Contract no. DA-04-167-CIVENG-57-109 by Baldwin Contracting Company during the period from 17 February 1957 to 14 May 1957, Specification No. 2302, Drawing No. 4-4-437.

k. Emergency levee repairs, right bank Feather River at Shanghai Bend was accomplished under Contract No. DA-04-167-CIVENG-57-65 by H. Earl Parker, Inc. during the period from 8 October 1956 to 12 November 1956, Specification No. 2252, Drawing No. 4-4-433.

l. Drainage pump and sump, right bank Feather River at Shanghai Bend was accomplished under Contract No. DA-04-167-CIVENG-57-112 by Munz Pump, Inc. during the period from 11 March 1957 to 21 June 1957, Specification No. 2295, Drawing No. 4-4-438.

m. Levee stabilization, right bank Feather River, Levee Districts 1 and 9 was accomplished under Contract No. DA-04-167-CIVENG-60-73 by H. Earl Parker, Inc. during the period from 11 May 1960 to 28 July 1960, Specification No. 2655, Drawing No. 4-4-508.

n. Bank protection on the right bank of the Feather River at Mile 24.5 (Unit No. 8) was accomplished under Contract No. DA-04-167-EIVENG-66-50 by H. Earl Parker, Inc. during the period from 18 October 1965 to 14 June 1966. Specification No. 3154. Drawing No. 50-4-4004.

o. Levee repair on the right bank of the Feather River between Levee Mile 2.35 and Levee Mile 3.52 and at Levee Mile 1.5 (LD1 site) located south of Yuba City along right bank of the Feather river between Levee Mile 1.43 and Levee Mile 1.60. Repair consists of seepage berms and a toe drain. Construction was completed 7 September 2001 under Contract No. DACW05-00-C-0041, Specification No. 1102E, Drawing No. 4-4-627.

p. Emergency levee repairs, at various locations along the right bank of the Feather River in Levee District 1 was completed on 31 October 1997 by Syblon Reed Corp. under Contract No. DACW05-97-C-0122. Specification No. 9885E, Drawing No. 04-04-617.

q. Emergency levee repairs, west levee Feather River, Levee Miles 14.60 to 16.02 in Levee District 1 were completed in July 2001 by BCN Company under Contract No. DACW05-00-C-0032. Specification No. 1101E, Drawing No. 4-25-626.

r. Emergency levee repairs, west levee Feather River Levee Miles 11.00 to 11.50 were completed on December 1999 by Clearwater Group Inc. under Contract No. DACW05-98-D-0035. Specification No. 9998E, Drawing No. 4-4-620.

1-05. Flood Flows. For purposes of this manual, the term “flood” or “high water period” shall refer to flows when the water surface reaches or exceeds a reading of 65.0 on the continuous water stage recorder and staff gage located near the right bank of the Feather River on the downstream side of the Sacramento Northern Railroad Bridge at Yuba City; also when the water surface reaches or exceeds a reading of 59.0 on the continuous water state recorder and staff gage located on the right bank of the Feather River about five miles south of Yuba City (below Shanghai Bend). Staff gages are set on U.S. Corps of Engineers datum.

1-06. Assurances Provided by Local Interests. Assurance of cooperation by local interests is provided by State Legislation, as contained in Chapter 3, Part 2, Division 5, of the State Water Code (see paragraph 2-02a of the Standard Manual).

1-07. Acceptance by State Reclamation Board. Responsibility for operating and maintaining the completed works was officially accepted by the Reclamation Board of the State of California on 18 December 1951 and 2 December 1952, as shown on the attached letters of acceptance, Exhibit E.

1-08. Superintendent. The name and address of the Superintendent appointed by local interests to be responsible for the continuous inspection, operation and maintenance of the project works shall be furnished the District Engineer, and in case of any change of Superintendent, the District Engineer shall be so notified.

SECTION II

FEATURES OF THE PROJECT SUBJECT TO FLOOD CONTROL REGULATIONS

2-01. Levees.

a. Description. The levee described in this manual is located along the westerly side of the Feather River from the north boundary of Levee District No. (Sutter County) to the north boundary of Reclamation District No. 823. The levee within this ~~unit~~ was originally built by local interests and later re-constructed to project grade and section by the Corps of Engineers. Surfacing was applied to the crown, turnouts and road approaches were also provided.

b. For pertinent Requirements of the Code of Federal Regulations and other requirements see the following:

- (1) Maintenance - paragraph 4-02 of the Standard Manual.
- (2) Check Lists - Exhibit E of this Supplement Manual.
- (3) Operation - paragraph 4-04 of the Standard Manual.
- (4) Special Instructions - paragraph 4-05 of the Standard Manual.

2-02. Drainage and Irrigation Structures.

a. Description. Drainage and irrigation structures which extend through the levee are listed as follows:

Location Station	:	Bank	:	Size and Kind of pipe	:	Other Structure Description	:	Elev. of in- vert of pipe
1414+10	:	R	:	3" Steel	:	Extra strong galv. pipe	:	
1468+79	:	R	:	36" C.M.P.	:		:	
1469+70	:	R	:	24" C.M.P.	:	Yuba City outfall sewer, No. 781 gate valve No. 781 L.S. 2 Concr.	:	
1473+60	:	R	:	18" Steel	:	Gas Line	:	
109+23	:	R	:	12" Steel	:		:	
333+43	:	R	:	24" Steel	:		:	
358+00	:	R	:	8" Steel	:		:	
477+00	:	R	:	8" Steel	:		:	
486+00	:	R	:	10" Steel	:		:	
497+00	:	R	:	6" Steel	:		:	
529+28	:	R	:	12" Steel	:		:	
537+00	:	R	:	10" Steel	:		:	
574+20	:	R	:	8" Steel	:		:	
616+72	:	R	:	24" Steel	:		:	
638+07	:	R	:	8" Steel	:		:	

Location Station	: :	Size and Bank: Kind of Pipe	: :	Other Structure Description	: :	Elev. of invert of pipe
657+00	R	8" Steel				
678+00	R	8" Steel				
735+57	R	36" Steel				
736+00	R	54" C.M.P.				
585+32	R	8" Steel				

Note: Abbreviations are as follows:

C.M.P. = Corrugated Metal Pipe  
L.S. = Landside  
R. = Right Bank (looking downstream)

b. For pertinent Requirements of the Code of Federal Regulations and other requirements see the following:

- (1) Maintenance - paragraph 5-02 of the Standard Manual.
- (2) Check Lists - Exhibit E of this Supplement Manual.
- (3) Operation - paragraph 5-04 of the Standard Manual.
- (4) Additional Requirements - paragraph 5-05 of the Standard Manual.
- (5) Safety Requirements - paragraph 5-06 of the Standard Manual.

### 2-03. Channel.

a. Description. The channel of the Feather River within this unit consists of an overflow area that varies in width from 1200 feet to 4800 feet that is confined between levees along both banks. This reach of the Feather River from the north boundary of Levee District No. 1 (Sutter County) to the north boundary of Reclamation District No. 823, has a project capacity of 300,000 to 320,000 cubic feet per second and the levee provides for a freeboard of at least three feet above the adopted flood plane profile. There is a considerable growth of trees and brush in the overflow portion of the channel. The maintenance and operation of the channel of the Feather River, within this unit, shall be limited to flood control and the requirements which follow shall be observed only to that extent.

b. For pertinent Requirements of the Code of Federal Regulations and other requirements see the following:

- (1) Maintenance - paragraph 6-02 of the Standard Manual.
- (2) Check Lists - Exhibit E of this Supplement Manual.
- (3) Operation - paragraph 6-04 of the Standard Manual.
- (4) Safety Requirements - paragraph 6-05 of the Standard Manual.

It shall be the duty of the Superintendent to maintain a patrol of the project works during all periods of flood in excess of a reading of 65.0 on the gage at Yuba City or in excess of a reading of 59.0 on the gage located below Shanghai Bend as indicated in paragraph 1-05 of this manual. The Superintendent shall dispatch a message by the most suitable means to the District Engineer whenever the water surface at Yuba City or below Shanghai Bend reaches the gage readings indicated above. The Superintendent shall cause readings to be taken at said gages at intervals of two to four hours during the period when the water surface is above the flood-flow stage indicated above and record the time of observations. One copy of the readings shall be forwarded to the District Engineer immediately following the flood, and a second copy transmitted as an inclosure to the semi-annual report in compliance with paragraph 3-06 of the Standard Manual.

2-04. Miscellaneous Facilities.

a. Description. Miscellaneous structures or facilities which were constructed as a part of or existed in conjunction with, the protective works, and which might affect their functioning, include the following:

(1) Bridges.

- (a) Southern Pacific Railroad trestle at station 1384+00.
- (b) Highway 99E bridge crossing at station 1482+70
- (c) Sacramento Northern Railroad Bridge and highway crossing at station 2+77.

(2) Utility Relocations.

- (a) Portion of Yuba City outfall sewer was re-constructed at station 1469+70.
- (b) Portion of Pacific Gas & Electric gas line was re-constructed at station 1473+60.

(3) Hydrographic Facilities. (to be maintained by other agencies)

- (a) A continuous water stage recorder and staff gage located at Sacramento Northern Railroad Bridge at Yuba City.
- (b) A continuous water stage recorder and staff gage located about 5 miles south of Yuba City (below Shanghai Bend).

b. For pertinent Requirements of the Code of Federal Regulations and other requirements see the following:

- (1) Maintenance - paragraph 7-02 of the Standard Manual.
- (2) Check Lists - paragraph 7-03 of the Standard Manual.
- (3) Operation - paragraph 7-04 of the Standard Manual.

### SECTION III

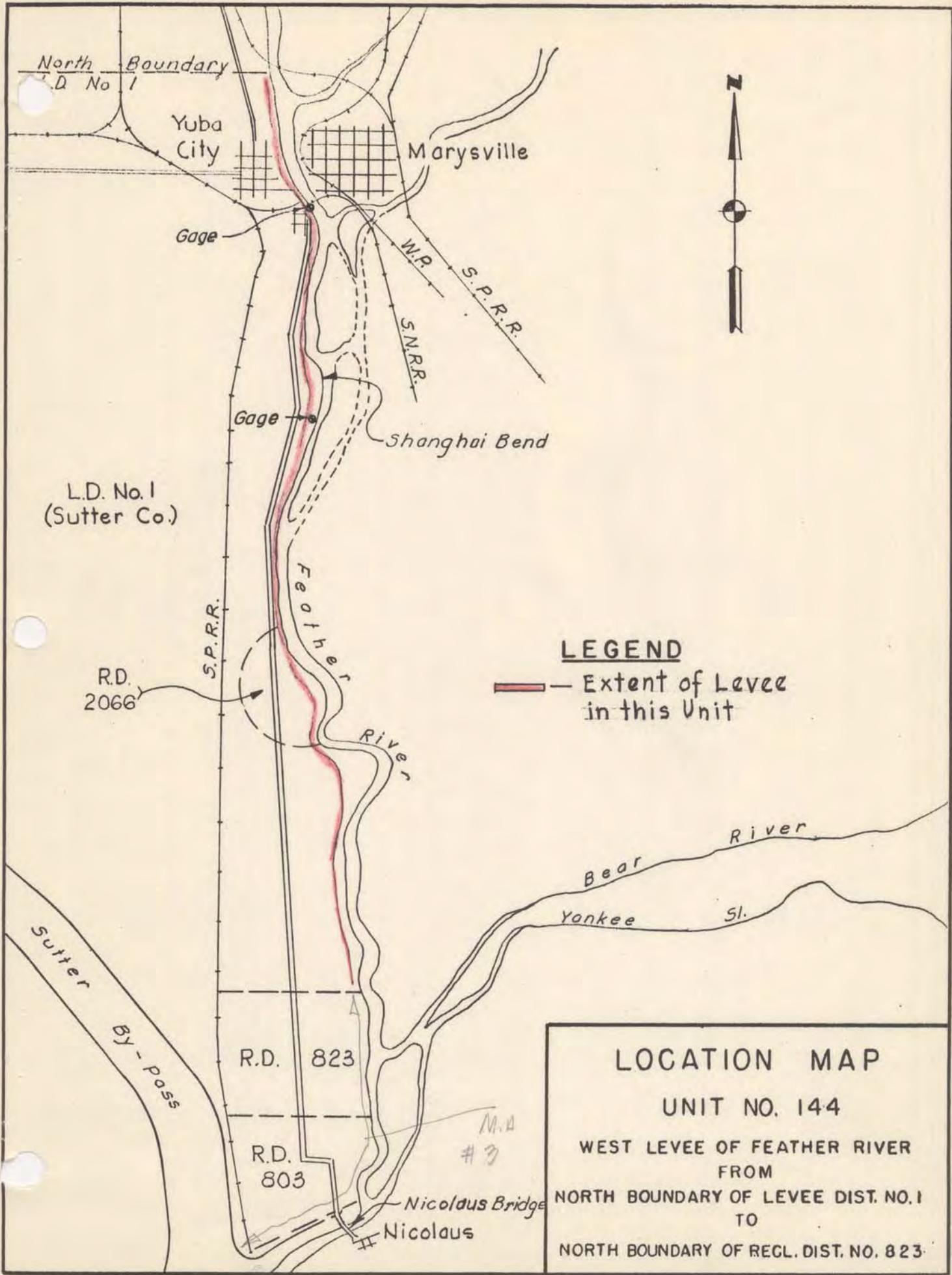
#### REPAIR OF DAMAGE TO PROJECT WORKS AND METHODS OF COMBATING FLOOD CONDITIONS

3-01. Repair of Damage. In the event of serious damage to the project works, whether due to flood conditions or other causes, and which may be beyond the capability of local interests to repair, the Superintendent will contact a representative of the Division of Water Resources, State of California, who coordinates maintenance of project works of the Sacramento River Flood Control Project. The State representative will give assistance or advice, or will determine appropriate action to be taken.

3-02. Applicable Methods. For applicable methods of combating flood conditions, reference is made to Section VIII of the Revised Standard Manual, where the subject is fully covered.

EXHIBIT A

FLOOD CONTROL REGULATIONS  
(See Standard Manual)



North Boundary  
L.D. No. 1

Yuba  
City

Marysville

Gage

W.P.  
S.P.R.R.  
S.M.R.R.

Gage

Shanghai Bend

L.D. No. 1  
(Sutter Co.)

R.D.  
2066

S.P.R.R.

Feather  
River

**LEGEND**

— Extent of Levee  
in this Unit

Bear River  
Yankee Sl.

Sutter  
By-pass

R.D. 823

R.D. 803

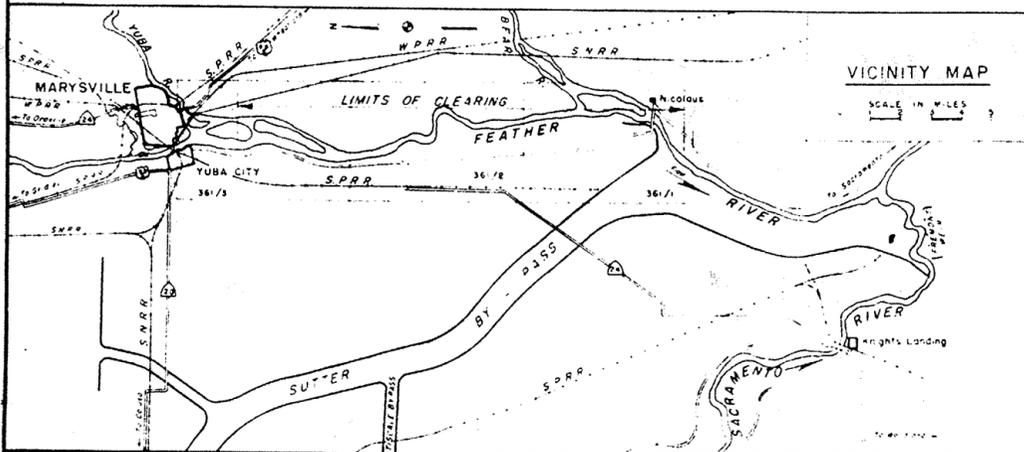
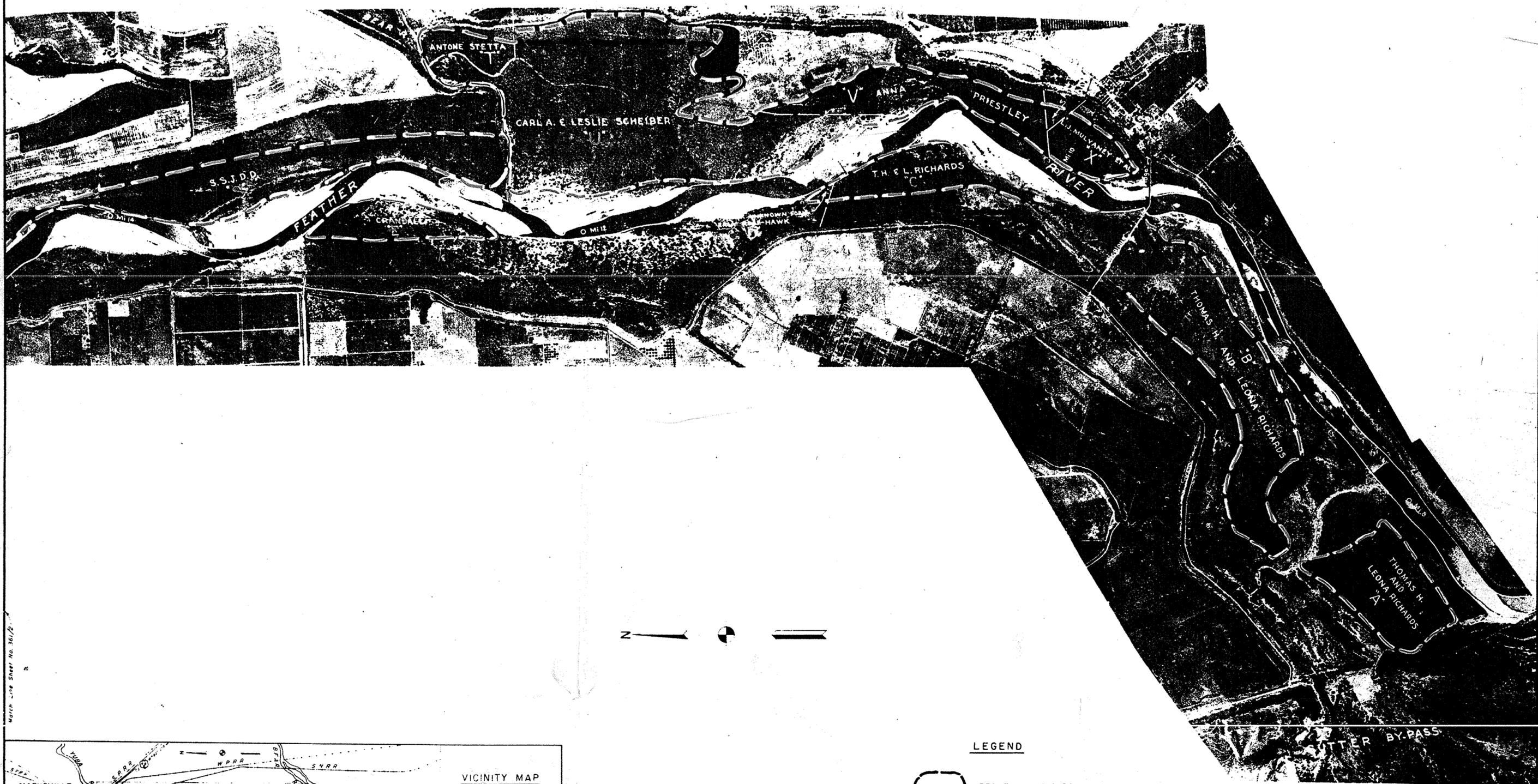
Nicolaus Bridge  
Nicolaus

M.D.  
#3

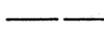
**LOCATION MAP**

**UNIT NO. 144**

WEST LEVEL OF FEATHER RIVER  
FROM  
NORTH BOUNDARY OF LEVEE DIST. NO. 1  
TO  
NORTH BOUNDARY OF RECL. DIST. NO. 823



LEGEND

-  - AREA TO BE CLEARED
-  - PROPERTY LINE
- SSJDD - SACRAMENTO SAN JOAQUIN DRAINAGE DIST.

PHOTOGRAPHS FLOWN IN 1954

AS CONSTRUCTED

REVISION	DATE	DESCRIPTION	BY	DT
15 May 55		Clearing Areas added		
CORPS OF ENGINEERS, U. S. ARMY OFFICE OF THE DISTRICT ENGINEER SACRAMENTO DISTRICT SACRAMENTO, CALIFORNIA				
DRAWN BY GFR		SACRAMENTO RIVER, CALIFORNIA FLOOD CONTROL PROJECT <b>CLEARING FEATHER RIVER</b> SUTTER BYPASS UPSTREAM TO YUBA RIVER		
TRACED BY PBV				
CHECKED BY GFR, JHK				
SUBMITTED BY <i>H. A. Dittmer</i>				
APPROVED <i>H. A. Dittmer</i>		<i>J. J. Minton</i> DISTRICT ENGINEER		
DATE 25 May 1955		SCALE 1" = 800'	SPEC. NO. 1895	
		FILE NO. 4-6-361		
		SHEETS 361/1 To 361/3	SHEET NO. 361/1	



AS CONSTRUCTED

REVISION	DATE	DESCRIPTION	BY	DT
1	08/21/55	Strip Clearing Areas added		
CORPS OF ENGINEERS, U.S. ARMY OFFICE OF THE DISTRICT ENGINEER SACRAMENTO DISTRICT SACRAMENTO, CALIFORNIA				
DRAWN BY	GFR	SACRAMENTO RIVER, CALIFORNIA FLOOD CONTROL PROJECT CLEARING FEATHER RIVER SUTTER BYPASS UPSTREAM TO YUBA RIVER		
TRACED BY	PBV			
CHECKED BY	GFR, JHK			
SUBMITTED BY	<i>[Signature]</i>			
APPROVED	<i>[Signature]</i>	APPROVED <i>[Signature]</i> DISTRICT ENGINEER		
DATE	25 May 1955	SCALE	1" = 800'	SPEC. NO. 1895
		FILE NO.	4-6-361	
		SHEETS	36 / 1 To 361 / 3	SHEET NO. 361 / 3



Match Line Sheet No. 361/3



Match Line Sheet No. 361/1

AS CONSTRUCTED

REVISION	DATE	DESCRIPTION	BY	BT
CORP OF ENGINEERS, U. S. ARMY OFFICE OF THE DISTRICT ENGINEER SACRAMENTO DISTRICT SACRAMENTO, CALIFORNIA				
DRAWN BY: GFR		SACRAMENTO RIVER, CALIFORNIA FLOOD CONTROL PROJECT <b>C</b> EARING FEATHER RIVER SUTTER BYPASS UPSTREAM TO YUBA RIVER		
TRACED BY: PBV				
CHECKED BY: GFR, JHK				
SUBMITTED BY: <i>[Signature]</i> CHIEF, LEV & L&A SECTION				
APPROVED: <i>[Signature]</i> CHIEF ENGINEERING DIVISION		SCALE: 1" = 800'   SPEC. NO. 1895 FILE NO. 4-6-361 SHEETS 361/1 To 361/3   SHEET NO. 361/2 DATE 23 MAY 1955		

EXHIBIT B

"As Constructed"  
Drawings

See separate folder for the following drawings:

<u>File No.</u>	<u>Title</u>
4-4-172-1	Levee Enlargement - West Levee of Feather River - vicinity of Yuba City, Sheets 1 through 4.
4-4-188-1	Levee Enlargement - West Levee of Feather River - Yuba City to Shanghai Bend and from Starr Bend 2 Miles Southerly, Sheets 1 through 4.
4-4-205-1	Levee Enlargement - West Levee of Feather River - Shanghai Bend to Starr Bend and from 2 Miles South of Starr Bend to Opposite Bear River, Sheets 1 through 8.

Additional drawings of cross-sections, structures, and miscellaneous facilities are available in the Office of the District Engineer.

4-4-431	Emergency levee repairs, west levee Feather River, vicinity of 10th Street Bridge, 1 sheet
4-13-405	Emergency repairs and reconstruction of 8,000 feet of levee right bank Feather River downstream from Yuba City, in 4 sheets
4-4-435	Emergency relief wells and drains along Feather River near Yuba City, in 4 sheets
4-4-437	Emergency levee repairs, west levee Feather River, relief trench drain near Yuba City, in 1 sheet
4-4-433	Emergency levee repairs, right bank Feather River at Shanghai Bend, in 4 sheets
4-4-438	Drainage pump and sump, right bank Feather River at Shanghai Bend, in 2 sheets
4-4-508	Levee Stabilization, Right Bank Feather River, Levee Districts 1 and 9, in 6 sheets.
4-6-361	<i>Clearing and Debris removal in Feather River from Sutter By-pass upstream to the Yuba River</i> EXHIBIT B Attached
50-4-4004	Bank Protection, Various Locations, Rt. and Lt. Banks Sacramento River and Bear River and Rt. Bank Feather River, in 33 sheets (Unit No. 8).

- 4-4-627 PL-84-99 Cost Shared / Added sites Sacramento Basin No. 18 Laurel Ave. (MA3) and LM 1.5 (LD1), in 5 pages.
- 04-04-617 PL84-99 Phase III, Relief Wells – LD 1 Feather River at Star Bend, Sutter County, California, in 20 sheets.
- 4-25-626 PL 84-99 Cost Shared/Added Sites Sacramento Basin No. 18 LD 1 Slurry Wall, in 3 sheets.
- 4-4-620 PL 84-99 Cost Shared Sacramento Basin No. 18 Feather River, Shanghai Bend, in 12 sheets.

EXHIBIT C

PLATES OF SUGGESTED FLOOD FIGHTING METHODS  
(See Standard Manual)

EXHIBIT D

CHECK LIST NO. 1

LEVEE INSPECTION REPORT  
(See Standard Manual)

EXHIBIT E

CHECK LISTS OF LEVEES,

CHANNEL AND STRUCTURES.

For definition of "flood" or "high water period",  
see paragraph 1-05 of this manual.

CHECK LIST NO. 2

UNIT NO. 144

Inspector's Report Sheet No. \_\_\_\_\_

Inspector \_\_\_\_\_

Date \_\_\_\_\_

Superintendent \_\_\_\_\_

Item	Remarks
(a) Location by Station	
(b) Settlement, sloughing, or loss of grade	
(c) Erosion of back slope	
(d) Condition of roadways, including ramps	
(e) Evidence of seepage	
(f) Condition of farm gates and fencing	
(g) Maintenance measures taken since last inspection	
(h) Comments	

INSTRUCTIONS FOR COMPLETING SHEET 2, EXHIBIT E  
(To be printed on back of Sheet 2)

- Item (a) Indicate levee station of observation, obtained by pacing from nearest reference point; indicate right or left bank.
- Item (b) If sufficient settlement of earthwork has taken place to be noticeable by visual observation, indicate amount of settlement in tenths of a foot. If sloughing has caused a change in slope of embankment sections, determine the new slope. Note areas where erosion or gulying of the section has occurred.
- Item (c) If sufficient erosion or gulying of back face of back toe of levee has taken place to be noticeable by visual inspection, indicate area affected and depth.
- Item (d) Note any natural change in any section of roadway or ramps. Indicate any inadequacy in surface drainage system.
- Item (e) Indicate any evidence of seepage through the embankment section.
- Item (f) Indicate the serviceability of all farm gates across the embankments and roadway, and indicate if repainting is required.
- Item (g) Indicate maintenance measures that have been performed since last inspection and their condition at the time of this inspection.
- Item (h) Record opinion, if any, of contributory causes for conditions observed and also any observations not covered under other columns.

NOTE: One copy of the Inspector's Report is to be mailed to the District Engineer immediately on completion and one copy is to be attached to and submitted with the Superintendent's semi-annual report.

CHECK LIST NO. 3

CHANNEL AND RIGHT-OF-WAY

UNIT NO. 144

Inspector's Report Sheet No. \_\_\_\_\_

Inspector \_\_\_\_\_

Date \_\_\_\_\_

Superintendent \_\_\_\_\_

Item	Remarks
(a) Name of channel and location by stations	
(b) Vegetal Growth in channel	
(c) Debris and refuse in channel	
(d) New construction within right-of-way	
(e) Extent of aggradation or degradation	
(f) Condition of riprapped section	
(g) Condition of bridges	
(h) Measures taken since last inspection	
(i) Comments	

INSTRUCTIONS FOR COMPLETING SHEET 4, EXHIBIT E  
(To be printed on back of Sheet 4)

- Item (a) Indicate station of observation obtained by pacing from nearest reference point.
- Item (b) Note nature, extent, and size of vegetal growth within the limits of flood flow channel.
- Item (c) Note nature and extent of debris and refuse that might cause clogging of the conduits of the irrigation intake works, fouling of the tainter gates, or the bridges over the channel.
- Item (d) Report any construction along the diversion channel or above the diversion channel or above the diversion works that has come to the attention of the inspector and that might affect the functioning of the project.
- Item (e) Indicate any change in grade or alignment of the channels, either by deposition or sediment or scour, that is noticeable by visual inspection. Estimate amount and extent.
- Item (f) Indicate any change that has taken place in the riprap such as disintegration of the rock, erosion, or movement of the rock. Note the presence of vegetal growth through the riprap.
- Item (g) Note any damage or settlement of the footings of the bridges. Indicate condition of wooden structures and if repainting is required. Indicate condition of bridge approaches, headwalls, and other appurtenances.
- Item (h) Indicate maintenance measures that have been performed since the last inspection and their condition at time of this inspection.
- Item (i) Record opinion, if any, of contributory causes for conditions observed, also any observations not covered under other columns.

NOTE: One copy of the Inspector's Report is to be mailed to the District Engineer immediately on completion, and one copy is to be attached to and submitted with the Superintendent's semi-annual report.

CHECK LIST NO. 4

DRAINAGE AND IRRIGATION STRUCTURES

UNIT NO. 144

Inspector's Report Sheet No. \_\_\_\_\_

Inspector \_\_\_\_\_

Date \_\_\_\_\_

Superintendent \_\_\_\_\_

(a) Location by Station	(b) Bank	(c) Debris or other obstruction to flow	(d) Damage or settlement of pipe or conduit	(e) Condition of concrete headwall or invert paving	(f) Condition of right-of-way adjacent to structure	(g) Repair Measures Taken Since Last Inspection	(h) Comments
1414+10	Right						
1468+79	"						
1469+70	"						
1473+60	"						
109+23	"						
333+43	"						
358+00	"						
477+00	"						
486+80	"						
497+00	"						
529+28	"						
537+00	"						
574+20	"						
616+72	"						

CHECK LIST NO. 4

DRAINAGE AND IRRIGATION STRUCTURES

UNIT NO. 144

Inspector's Report Sheet No. \_\_\_\_\_

Inspector \_\_\_\_\_

Date \_\_\_\_\_

Superintendent \_\_\_\_\_

(a) Location by Station	(b) Bank	(c) Debris or other obstructions to flow	(d) Damage or settlement of pipe or conduit	(e) Condition of concrete headwall or invert paving	(f) Condition of right-of-way adjacent to structure	(g) Repair Measures Taken since last inspection	(h) Comments
638+07 657+00 678+00 735+57	Right " " " "						

INSTRUCTIONS FOR COMPLETING SHEET 6, EXHIBIT E  
(To be printed on back of Sheet 6)

- (1) Enter station of all structures under Column (a) for check list.
- (2) Inspect inlet, barrel, and outlet for accumulation of sediment, rubbish, and vegetal matter. Note condition under Column (c).
- (3) If any settlement or damage to the pipe, barrel, or invert of the drain has occurred, estimate the location and amount. Note particularly if any backfill has come into the pipe or been disturbed. Record observations under Column (d).
- (4) Inspect the concrete portions of the structures for the evidence of settlement, cracks, "pop-outs", spaces, abrasive wear, or other deterioration. Record conditions under Column (e).
- (5) Inspect backfill area adjacent to structure for evidence of erosion caused by overflow of the drainage structure and note conditions in Column (f).
- (6) Under Column (g) indicate physical measures that have been taken to correct conditions reported in last inspection, and their condition at time of this inspection.
- (7) Under Column (h) record opinion, if any, of contributory causes for conditions observed, also any observations not covered under other columns.
- (8) A copy of the inspector's report is to be mailed to the District Engineer immediately on completion, and a record copy shall be attached to the Superintendent's semi-annual report.

EXHIBIT F

LETTER OF ACCEPTANCE

BY STATE RECLAMATION BOARD

**THE RECLAMATION BOARD**

3310 El Camino Avenue, LL40  
SACRAMENTO, CA 95821  
(916) 574-0609 FAX: (916) 5790682  
Permits: (916) 574-0653 FAX: (916) 5740681



MAY 21 2004

Colonel Michael J. Conrad, Jr.  
District Engineer  
Sacramento District  
U.S. Army Corps of Engineers  
1325 J Street  
Sacramento, California 95814-2922

Dear Colonel Conrad:

In your February 04, 2004 letter to The Reclamation Board, the U.S. Army Corps of Engineers transferred the completed 1997 Cost-Shared Public Law 84-99 flood damage repairs along the right (west) levee of the Feather River between Levee Mile 14.60 and L.M. 16.02 in Levee District 1, Sutter County to the State of California for operation and maintenance. You advised the Board that the completed repairs meet the requirements of the existing Operation and Maintenance Manual, for Sacramento River Basin No. 18. We understand that the repairs were completed in accordance with the original plans and specifications. We acknowledge receipt of as-constructed plans and will forward a copy to LD 1, Sutter County.

The Board, on behalf of the State, accepted the completed repairs at its May 21, 2004 meeting and transferred the completed repairs to LD 1, Sutter County, for operation and maintenance.

If you have any questions, you may contact Peter D. Rabbon, General Manager of The Reclamation Board, at (916) 574-0609, or your staff may contact Michele Ng, Chief of the Department of Water Resources' System Integrity Section, at (916) 574-0364.

Sincerely,

ORIGINAL SIGNED BY

Betsy A. Marchand  
President

cc: (See attached list.)

*Handwritten signature*

Mr. Eric Nagy  
Sacramento District  
U.S. Army Corps of Engineers  
1325 J Street  
Sacramento, California 95814-2922

Mr. Kenneth Dickerson, Superintendent  
Sutter Maintenance Yard  
Post Office Box 40  
Sutter, California 95982

Mr. Bill Hampton, General Manager  
Levee District 1, Sutter County  
243 Second Street  
Yuba City, California 95991

*Unit 1944*

**THE RECLAMATION BOARD**

3310 El Camino Avenue, LL40  
SACRAMENTO, CA 95821  
(916) 574-0609 FAX: (916) 5790682  
Permits: (916) 574-0653 FAX: (916) 5740681



MAY 21 2004

Colonel Michael J. Conrad, Jr.  
District Engineer  
Sacramento District  
U.S. Army Corps of Engineers  
1325 J Street  
Sacramento, California 95814-2922

Dear Colonel Conrad:

In your March 12, 2004 letter to The Reclamation Board, the U.S. Army Corps of Engineers transferred the completed 1997 Cost-Shared Public Law 84-99 flood damage repairs along the right (west) levee of the Feather River between Levee Mile 11.00 and LM 11.50 of Levee District 1, Sutter County, to the State of California for operation and maintenance. You advised the Board that the completed repairs meet the requirements of the existing Operation and Maintenance Manual, for Sacramento River Basin No. 18. We understand that the repairs were completed in accordance with the original plans and specifications. We acknowledge receipt of as-constructed plans and will forward a copy to LD 1, Sutter County.

The Board, on behalf of the State, accepted the completed repairs at its May 21, 2004 meeting and transferred the completed repairs to LD 1, Sutter County, for operation and maintenance.

If you have any questions, you may contact Peter D. Rabbon, General Manager of The Reclamation Board, at (916) 574-0609, or your staff may contact Michele Ng, Chief of the Department of Water Resources' System Integrity Section, at (916) 574-0364.

Sincerely,

ORIGINAL SIGNED BY

Betsy A. Marchand  
President

cc: (See attached list.)

*Ann 1/1/04*

Mr. Eric Nagy ✓  
Sacramento District  
U.S. Army Corps of Engineers  
1325 J Street  
Sacramento, California 95814-2922

Mr. Kenneth Dickerson, Superintendent  
Sutter Maintenance Yard  
Post Office Box 40  
Sutter, California 95982

Mr. Bill Hampton, General Manager  
Levee District 1, Sutter County  
243 Second Street  
Yuba City, California 95991

*Christ 1/14*

MAR 12 2004

Navigation and Flood Control Unit

Mr. Peter D. Rabbon, General Manager  
The Reclamation Board  
State of California  
3310 El Camino Avenue, Room LL40  
Sacramento, California 95821

Dear Mr. Rabbon:

This letter is to transfer a portion of work along the Feather River to The Reclamation Board for Operation, Maintenance, Repair, Replacement, and Rehabilitation (OMRR&R). The completed work is located in Sutter County within Sacramento Basin No. 18. The completed work includes L.M. 11.00 intersecting at L.M. 11.50 of Levee District No. 1 located along the right bank of the Feather River. The site was repaired as a result of damage sustained during the Flood of 1997. A description of the repairs and the location of the site are included in the document titled, "Project Information Form, Levee District 1 (Sac-18) Shanghai Bend, 1997 Cost-Shared Levee Repairs, Sutter County, California" (encl 1).

The work was performed under the general authority of the Flood and Coastal Storm Emergencies Act, Public Law 84-99; and, special authority granted under the Fiscal Year 1997 Emergency Supplemental Appropriations Act, Public Law 105-18. This work now meets the requirements of the existing Operations and Maintenance Manual for the Feather River (Sac-18); therefore, said flood control work together with the waterway banks contiguous thereto are transferred as of the date of this letter to the State of California for operation and maintenance.

The repairs were completed in accordance with Specification Number 9998E, Drawing File Number 4-4-620, and Contract Number DACW05-98-D-0035, Task Order No. 2. A final inspection was conducted in December 1999 and all noted deficiencies have been resolved. The as-built drawings for the completed work are included in the document titled, "PL 84-99 Cost Shared, Sacramento Basin No. 18, Feather River, Shanghai Bend" (encl 2).

If you have any questions regarding this project, please contact Mr. Eric Nagy of the Programs and Project Management Division at (916) 557-5114. If you have any questions regarding this transfer, please contact Mr. Mohsen Tavara at (916) 557-5282 or Mr. Bob Murakami at (916) 557-6738.

Sincerely,

Michael J. Conrad, Jr.  
Colonel, Corps of Engineers  
District Engineer

Enclosures

Copy Furnished:

Mr. Keith Swanson, State of California, Department of Water Resources, 3310 El Camino Avenue,  
Room 110, Sacramento, CA 95821

*Unit No. 144*

File 47

CC:  
CESPK-CO-OR (NAV/FLD CTRL FILE)  
CESPK-CO-OR (CLOWARD)  
CESPK-CO-RV  
CESPK-ED  
CESPK-ED-D  
CESPK-PM (Nagy)

MURAKAMI/dd  
TAVANA  
NAGY  
OLSEN  
SANDNER  
MAHONEY  
CLAY  
HALL  
CHARLTON  
CONRAD

Mailed with Form 384 on 16 Mar 04 -

Jan 7/1/14



DEPARTMENT OF THE ARMY  
U.S. ARMY ENGINEER DISTRICT, SACRAMENTO  
CORPS OF ENGINEERS  
1325 J STREET  
SACRAMENTO, CALIFORNIA 95814-2922

REPLY TO  
ATTENTION OF

Navigation and Flood Control Unit

FEB 04 2004

Mr. Peter D. Rabbon, General Manager  
The Reclamation Board  
State of California  
3310 El Camino Avenue, Room LL40  
Sacramento, California 95821

Dear Mr. Rabbon:

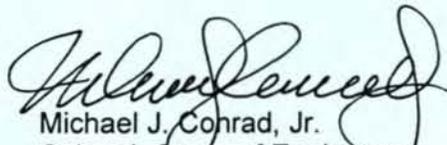
This letter is to transfer a portion of work along the Feather River to The Reclamation Board for Operation, Maintenance, Repair, Replacement, and Rehabilitation (OMRR&R). The completed work is located in Sutter County within Sacramento Basin No. 18. The completed work includes LM 14.60 through LM 16.02 of Levee District 1 located along the right (west) bank of the Feather River. The site was repaired as a result of damage sustained during the Flood of 1997. A description of the repairs and the location of the site are included in the document titled "Project Information Form, Levee District 1 Slurry Wall (Sac-18), 1997 Cost-Shared Levee Repairs, Sutter County, California" (encl 1).

The work was performed under the general authority of the Flood and Coastal Storm Emergencies Act, Public Law 84-99; and, special authority granted under the Fiscal Year 1997 Emergency Supplemental Appropriations Act, Public Law 105-18. This work now meets the requirements of the existing Operations and Maintenance Manual for Sacramento Basin No. 18; and, therefore, said flood control work, together with the waterway banks contiguous thereto, are transferred as of the date of this letter to the State of California for operation and maintenance.

The repairs were completed in accordance with Specification Number 1101E, Drawing File Number 4-25-626, and Contract Number DACW05-00-C-0032. A final inspection was conducted in July 2001 and all noted deficiencies have been corrected. The original construction drawings for the completed work are included in the document titled "PL 84-99, Cost Shared/Added Sites, Sacramento Basin No. 18, LD1 Slurry Wall" (encl 2).

If you have any questions regarding this project, please contact Mr. Eric Nagy of the Programs and Project Management Division at (916) 557-5114. If you have any questions regarding this transfer, please contact Mr. Mohsen Tavana at (916) 557-5282 or Mr. Bob Murakami at (916) 557-6738.

Sincerely,

  
Michael J. Conrad, Jr.  
Colonel, Corps of Engineers  
District Engineer

*Unit 1414*

Enclosures

Copy Furnished:

Mr. Keith Swanson, State of California, Dept of Water Resources, 3310 El Camino Avenue, Room 110,  
Sacramento, CA 95821

**THE RECLAMATION BOARD**

1416 NINTH STREET, ROOM 1601  
SACRAMENTO, CA 95814  
(916) 653-5434 FAX: (916) 653-5805  
Permits: (916) 653-5726 FAX: (916) 653-5805

JUL 18 2003



Colonel Michael J. Conrad, Jr.  
District Engineer  
Sacramento District  
U.S. Army Corps of Engineers  
1325 J Street  
Sacramento, California 95814-2922

Dear Colonel Conrad:

In your April 9, 2003 letter to The Reclamation Board, the U.S. Army Corps of Engineers transferred the repaired right-bank levee of the Feather River, Levee Mile 2.35 to LM 3.52 (in Maintenance Area 3) and LM 1.43 to LM 1.60 (in Levee District 1, Sutter County) to the State of California for operation and maintenance. You advised the Board that the completed repairs would be added by amendment to the Operation and Maintenance Manual, Sacramento River Flood Control Project. We also understand that the repairs were completed in accordance with the original plans and specifications. We acknowledge receipt of as-constructed drawings and will forward a copy to LD 1, Sutter County, as well as to the Department of Water Resources.

The Board, on behalf of the State, accepted the completed repairs at its July 18, 2003 meeting and transferred the Feather River LM 1.43 to LM 1.60 repairs to LD 1, Sutter County, and the LM 2.35 to LM 3.52 repairs to DWR for operation and maintenance. Until the Corps provides the O&M Manual amendment, LD 1, Sutter County, and DWR will perform operation and maintenance in accordance with the current manual.

If you have any questions, you may contact Peter D. Rabbon, General Manager of The Reclamation Board, at (916) 574-0609, or your staff may contact Michele Ng, Chief of the Department of Water Resources' System Integrity Section, Division of Flood Management, at (916) 574-0364.

Sincerely,

A handwritten signature in black ink that reads "Betsy A. Marchand".

Betsy A. Marchand  
President

(See attached list.)

cc: Mr. Eric Nagy  
Sacramento District  
U.S. Army Corps of Engineers  
1325 J Street  
Sacramento, California 95814-2922

Mr. Bill Hampton, General Manager  
Levee District 1, Sutter County  
243 Second Street  
Yuba City, California 95991

Mr. Kenneth Dickerson, Superintendent  
Sutter Maintenance Yard  
Post Office Box 40  
Sutter, California 95982



REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY  
U.S. ARMY ENGINEER DISTRICT, SACRAMENTO  
CORPS OF ENGINEERS  
1325 J STREET  
SACRAMENTO, CALIFORNIA 95814-2922  
April 9, 2003

APR 5/3 Rod  
**RECEIVED**  
APR 21 2003

Navigation and Flood Control Unit

APR 14 2003

Mr. Peter D. Rabbon, General Manager  
The Reclamation Board  
1416 Ninth Street, Room 1601  
Sacramento, California 95814-5509

Dear Mr. Rabbon:

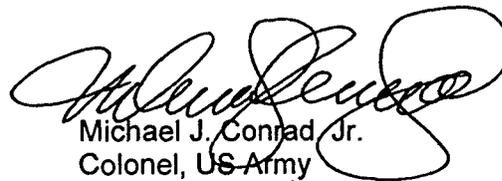
This letter is to transfer a portion of work along the Feather River to the Reclamation Board for Operation, Maintenance, Repair, Replacement, and Rehabilitation (OMRR&R). The completed work is located on the right bank of the Feather River within Maintenance Area No. 3 and Levee District 1 of Sacramento Basin No. 18. The completed work includes two sites repaired as a result of damage sustained during the Flood of 1997. A description of the repairs and the location of each site is included in the document titled, "Project Information Form, Sacramento Basin No. 18, Laurel Avenue (M.A. 3) and L.M. 1.5 (Levee District 1), Sutter County, California" (encl 1).

The work was performed under the general authority of the Flood and Coastal Storm Emergencies Act, Public Law 84-99, and special authority granted under the Fiscal Year 1997 Emergency Supplemental Appropriations Act, Public Law 105-18. This work now meets the requirements of the existing Operations and Maintenance Manual for the Sacramento River Basin No. 18; and, therefore, said flood control work, together with the waterway banks contiguous thereto, are transferred as of the date of this letter to the State of California for operation and maintenance.

The repairs were completed in accordance with Specification Number 1102E, Drawing File Number 4-4-627, and Contract Number DACW05-00-C-0041. A final inspection was conducted on 7 September 2001 and all noted deficiencies have been resolved. The as-built drawings for these two sites are included in the document titled, "P.L. 84-99 Cost Shared/Added Sites, Sacramento Basin No. 18, Laurel Ave. (MA3) and LM 1.5 (LD1)" (encl 2).

If you have any questions regarding this project, please contact Mr. Eric Nagy of the Programs and Project Management Division at (916) 557-5114. If you have any question regarding this transfer, please contact Mr. Mohsen Tavana at (916) 557-5282 or Mr. Bob Murakami at (916) 557-6738 of the Navigation and Flood Control Unit.

Sincerely,

  
Michael J. Conrad Jr.  
Colonel, US Army  
District Engineer

Enclosures

Exhibit F

## DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836  
SACRAMENTO, CA 94236-0001  
(916) 653-5791



JUN 19 2001

Colonel Michael J. Walsh  
District Engineer  
Sacramento District  
U.S. Army Corps of Engineers  
1325 J Street  
Sacramento, California 95814-2922

Dear Colonel Walsh:

In your April 11, 2001 letter to The Reclamation Board, the U.S. Army Corps of Engineers transferred the repaired Feather River levee at Star Bend Road at Levee Mile 3.79 to LM 4.67 (in Levee District No. 1, Sutter County) to the State of California for operation and maintenance. You advised the Board that the completed repairs would be added by amendment to the Operation and Maintenance Manual, Feather River River Flood Control Project. We understand that the repairs were completed in accordance with the original plans and specifications. We acknowledge receipt of as-designed drawings and will forward a copy to LD 1.

The Board, on behalf of the State of California, accepted the completed repairs at its June 15, 2001 meeting and transferred the Feather River levee repairs to LD 1. Until the Corps provides the O&M Manual amendment, LD 1 will perform operation and maintenance according to the current manual.

If you have any questions, you may contact Peter Rabbon, General Manager of The Reclamation Board, at (916) 653-5434, or your staff may contact Debbie Carlisle, Chief of the Department of Water Resources' System Integrity Section of the Division of Flood Management, at (916) 574-0364.

Sincerely,

A handwritten signature in black ink that reads "Betsy A. Marchand".

Betsy A. Marchand  
President

cc: Mr. Kell Cloward  
Readiness Branch  
Sacramento District  
U.S. Army Corps of Engineers  
1325 J Street  
Sacramento, California 95814-2922

Mr. Bill Hampton  
Levee District No. 1, Sutter County  
243 Second Street  
Yuba City, California 95991





DEPARTMENT OF THE ARMY  
U.S. ARMY ENGINEER DISTRICT, SACRAMENTO  
CORPS OF ENGINEERS  
1325 J STREET  
SACRAMENTO, CALIFORNIA 95814-2922

REPLY TO  
ATTENTION OF

APR 11 2001

Navigation and Flood Control Unit

Mr. Peter D. Rabbon, General Manager  
The Reclamation Board  
State of California  
1416 - 9<sup>th</sup> Street, Room 1601  
Sacramento, California 95814

Dear Mr. Rabbon:

This letter is to transfer a portion of work on the Sutter County Levee District No. 1, Feather River Levee at Star Bend Road, to the State of California for operation and maintenance.

The work consists of (1) On the landside of the levee, constructing a roadway with aggregate surface course and berm approximately 25-feet-wide from Star Bend Road (L.M. 3.79) to the end of the project at Abbott Lane (L.M. 4.67), with concrete "V" ditch being installed from L.M. 4.41 to L.M. 4.67, (2) Install 25 relief wells at 50-foot intervals from L.M. 4.08 to L.M. 4.14 and from L.M. 4.25 to L.M. 4.67. The work as listed in the enclosure was completed on October 31, 1997 in accordance with Specification No. 9885E, Drawing File 04-04-617, Contract No. DACW05-97-C-0122.

The work was performed under the general authority of 33 U.S.C. 701n (69 Stat. 186) PL 84-99 and now meets the requirements of the Operations and Maintenance Manual for the Feather River Flood Control System for the Sutter County Levee District No. 1, Feather River Levee at Star Bend Road. Therefore, said flood control work, together with the waterway banks contiguous thereto, are transferred as of the date of this letter to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Feather River Flood Control Project, which is being transferred under separate cover.

Sincerely,

Michael J. Walsh  
Colonel, Corps of Engineers  
District Engineer

Enclosure

C  
O  
P  
Y

THE RECLAMATION BOARD  
STATE OF CALIFORNIA

C  
O  
P  
Y

28 Jun 1966  
Refer to: 4130.60.302  
Contract 66-50

District Engineer  
Corps of Engineers  
U. S. Army  
650 Capitol Mall  
Sacramento, California

Dear Sir:

Reference is made to your letter of June 20, 1966 concerning transfer to the State of California of the Sacramento River Bank Protection Project, Unit No. 8, Site Mile 77.6, left bank, Sacramento River; Site Mile 24.5, right bank, Feather River; Sites Mile 2.98 and 1.76, right bank, Bear River; and Sites Mile 11.6, 7.12 and 4.90, left bank, Bear River, in accordance with Specification No. 3154.

The Reclamation Board, at its meeting of June 23, 1966, formally accepted the above referred to work for operation and maintenance.

Sincerely yours,

/s/A. E. McCollam  
A. E. McCOLLAM  
General Manager

EXHIBIT F

20 June 1966

The Reclamation Board  
 State of California  
 1416 - 9th Street, Room 1335  
 Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection of 14 June 1966, made for the purpose of transferring a portion of the Sacramento River Bank Protection work, upon completion, to the State of California for operation and maintenance.

The flood control work, consisting of levee enlargement, levee set-back, bank sloping and placement of bank protection at: Sacramento River, Site Mile 77.6, left bank; Feather River, Site Mile 24.5, right bank; and Bear River, Site Miles 1.76 & 2.98, right bank and 4.90, 7.12 and 11.6, left bank; as listed on the attached inclosure. Work was completed on 14 June 1966, in accordance with Specification No. 3154, Contract No. DA-Or-167-CIVENG-66-50, Drawing No. 50-4-4004.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session; and Section 2304(a), Title 10.

The flood control work now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said flood control work is transferred to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual by Supplement to the Sacramento River Flood Control Project, and furnished your office at a later date.

Sincerely yours,

T. S. MEADE  
 Lt. Col., CE  
 Acting District Engineer

REGISTERED

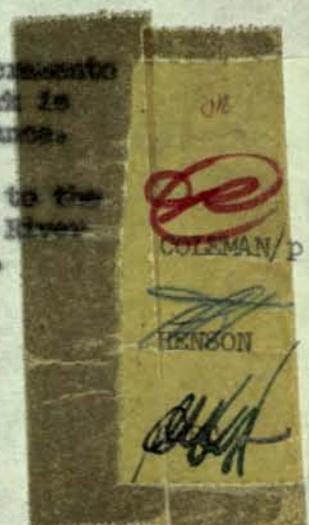
Copy furnished:

Dept Water Resources

O.C.E.  
 S.P.D.

RETURN RECEIPT REQUESTED

cc: Lev & Chan; Prog Dev;  
 Valley Res; F&A-Cordano



MEADE M

OK

✓ Incl  
 Listing

Units 1211-1,  
 1214, 1216

✓ MEADE M  
 ✓ en

SUMMARY OF SACRAMENTO RIVER BANK PROTECTION PROJECT

LEVEE UNIT SITE MILE	<u>SACRAMENTO RIVER</u>								RIGHT OR LEFT BANK
	<u>LEVEE ENLARGEMENT</u>	<u>LINEAL FEET</u>	<u>ROCK TOEWALL</u>	<u>LINEAL FEET</u>	<u>BANK SLOPING</u>	<u>LINEAL FEET</u>	<u>STONE PROTECTION</u>	<u>LINEAL FEET</u>	
77.6	0+60to4+65	405	0+00to3+50	350	0+60to4+65	405	0+00to5+00	500	Left <i>Unit 141.1</i>
					<u>FEATHER RIVER</u>				
24.5					2+00to24+00	2200	2+00to24+00	2200	Right <i>Unit 144</i>
					<u>BEAR RIVER</u>				
1.76					0+23to3+50	327	0+23to3+50	327	Right <i>146</i>
2.98					306+00to321+00	1500	306+00to321+00	1500	Right
4.90					5+28to17+00	1172	2+50to17+00	1450	Left
	<u>LEVEE SETBACK</u>		<u>LEVEE SURFACING</u>						
7.12	1+00to13+00	1200	1+00to13+00	1200	1+00to13+00	1200	1+00to13+00	1200	Left <i>141.1</i>
	<u>LEVEE ENLARGEMENT</u>								
11.6	4+00to10+00	600	4+00to10+00	600	0+00to10+00	100	0+00to10+00	1000	Left

THE RECLAMATION BOARD  
of the  
STATE OF CALIFORNIA

September 13, 1960

District Engineer  
Sacramento District  
U. S. Corps of Engineers  
P. O. Box 1739  
Sacramento, California

Dear Sir:

Reference is made to your letter of August 24, 1960, concerning transfer to the State of a levee rehabilitation on the Feather River at the following locations:

- Item 1c - Correct seepage endangering levee in Yuba City (Site "A" on Drawing No. 4-4-508)
- Item 4a - Complete repairs at two "near failure" locations in Levee District No. 9 (Sites "B-1" and "B-2" on Drawing No. 4-4-508)
- Item 4e - Correct seepage endangering levee in Levee District No. 9 (Site "C" on Drawing No. 4-4-508)

The Reclamation Board at its meeting of September 7, 1960, formally accepted these reconstructed levee sections for operation and maintenance.

Sincerely yours,

A. N. MURRAY /s/  
A. N. MURRAY  
General Manager and Chief Engineer

24 AUG 1960

The Reclamation Board  
 State of California  
 1215 "O" Street  
 Sacramento 14, California

Supplement #1

Gentlemen:

Reference is made to supplement dated 29 November 1957 to the Memorandum of Understanding entered into with the State of California under date of 30 November 1953, covering added items of work required to complete the Sacramento River Flood Control Project.

The flood control work consisting of levee stabilization at four locations on the right bank of the Feather River, listed below, in Sutter County, California, was completed 28 July 1960 in accordance with Specification No. 2655, Contract No. DA-04-167-CIVENG-60-73 and Drawing No. 4-4-508.

- Item 1c -- Correct seepage endangering levee in Yuba City (Site "A" on Drawing No. 4-4-508) RT Bank  
← .25 mi  
144
- Item 4a -- Complete repairs at two "near failure" locations in Levee District No. 9 (Sites "B-1" and "B-2" on Drawing No. 4-4-508) ← .10 mi  
148
- Item 4e -- Correct seepage endangering levee in Levee District No. 9 (Site "C" on Drawing No. 4-4-508) ← .30 mi  
148

The foregoing supplemental work having been completed to current standards for the Sacramento River Flood Control Project is hereby transferred to the State of California for operation and maintenance. A maintenance manual for this section of project levee has already been furnished which adequately covers maintenance and operation of requirements for the above items.

Total 9.1 mi

24 AUG 1960

SPKSO-C  
The Reclamation Board

A copy of this letter is being transmitted to the Department of Water Resources.

Sincerely yours,

Copy furnished:  
Dept Water Resources  
23rd & "R" Sts  
Sacramento, Calif

H. N. TURNER  
Colonel, CE  
District Engineer

O.C.E.  
So. Pac. Div. Engr.

cc: Engr Div (Levees & Channels Sec)  
Program Develop Br  
Northern Area Ofc

*[Handwritten signature]*

Concurrences	
Originator:	<i>[Signature]</i>
Date:	8/23/60
Dist. Engr.	<i>[Signature]</i>
Asst. D.E. (A)	
Asst. D.E. (O)	
Exec. Asst.	<i>[Signature]</i>
Cmptlr.	
Budget Fin. & Acctg.	
Mgmt.	
Property	
Office Service	
Constn-Opns.	<i>[Signature]</i>
Eng'g	
R. E.	
Print.	
Legal	
Supply	

*[Handwritten signature]*

REGISTERED

RETURN RECEIPT REQUESTED

STATE OF CALIF. (Sacto. Riv. Flood Control)

18 DEC 1956

The Reclamation Board  
State of California  
1215 "D" Street  
Sacramento, California

Gentlemen:

Reference is made to the District Engineer's letter dated 9 November 1956, relative to the joint inspection, made on 20 November 1956, of the clearing and debris removal work in the Feather River Iron Dam by-pass upstream to the Yuba River.

The clearing and debris removal work referred to above was completed on 1 December 1956 under Contract No. SAC-45-167-21771-1-1-1, Specification No. 1195 and Drawing No. 1-46-271. This work forms an integral part of the Sacramento River Flood Control Project and meets the requirements of the project; therefore said work is hereby transferred to the jurisdiction of the State of California for operation and maintenance.

Any maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing flood control regulations, included herewith, which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of September 22, 1936, as amended and supplemented by the current issue of the Standard Operation and Maintenance Manual for the Sacramento River Flood Control Project. As provided under paragraph 203.10 (10) of these regulations, a supplement to the Standard Operation and Maintenance Manual covering this unit of work is in process of preparation and will be furnished to you upon completion.

REGISTERED

RETURN RECEIPT REQUESTED

*Post Paid*  
Cont. #56-205  
Unit 558

W. B. HARGRAVES

Letter 121.3 (Engr. Div. F.C.R.)  
 The Reclamation Board

A copy of this letter is being transmitted to the Department of  
 Water Resources.

Sincerely yours,

1 Incl  
 1. F.C.R. log.

Copy furnished:  
 Department of Water Resources  
 Sacramento, California w/o incl  
 OIC w/o incl  
 So. Pac. Div. Engr. w/o incl

cc: Engr. Div. w/o incl  
 Northern Area Ofc w/o incl  
 W. S. Hargraves w/o incl

A. E. McCOLLAM  
 Colonel, CE  
 District Engineer



REGISTERED MAIL  
Return Receipt  
Requested

SPKHO-P 824-3 (Sac. Riv. FCP)

2 OCT 1952

10/2/52

The Reclamation Board  
State of California  
1100 "O" Street  
Sacramento, California

Gentlemen:

Reference is made to District Engineer letter dated 3 September 1952, wherein it was suggested that a joint inspection be made for the purpose of transferring to the jurisdiction of the State of California, when completed, various levee units of the Sacramento River Flood Control Project. Reference is also made to joint inspections of these units of work which were made on 18 July and 11 September 1952.

In accordance with the above, you are hereby advised that the units listed below, which are covered under Specification No. 1636, Drawing No. 50-4-2897, have been completed as follows:

Part "F" - Levees protecting the City of Marysville:

1. Levee and patrol road along the left bank of Nigger Jack Slough, also known as "Simmerly Slough", from the Western Pacific Railroad to the Feather River at Marysville, California, completed 24 September 1952.

2. Levee and patrol road along the left bank of the Feather River and the right bank of the Yuba River, from Nigger Jack Slough "D" Street Bridge at Marysville, California, completed 24 September 1952.

Part "G" and "H" - Westerly Levee of the Feather River:

1. Levee and patrol road along the right bank of the Feather River, from 5th Street bridge, Yuba City, upstream 1400 feet, at Yuba City, Sutter County, California, completed 5 September 1952.

147

147

144

Concurrent	
Originator	
Date: 30	
Exec. O	2
Chief	
Ad. Asst.	2
Chf. Tech	
Asst.	
Engr.	
1952.	
Svcs.	
Oper.	
R. E.	
Pln.	
Pers.	
Legal	
Supply	

Levee sections 352 to 362

Letter No. 37

36

SPKCO-P  
The Reclamation Board

143  
2. From Station 0+00 to 173+70, levee and patrol road along the right bank of the Feather River, from Nicolans Bridge upstream approximately 3.31 miles, near Nicolans, Sutter County, California, completed 24 September 1952.

Part "I" - Southerly Levee of Bear River:

From Station 46+80 to 343+70, levee and patrol road along the left bank of Bear River from a point 5,400 feet upstream from Carlin Bridge upstream to high ground, near Wheatland, Yuba County, California, completed 8 September 1952. 141-1

Part "J" and "K" - Southerly and Northerly Levees of Yankee Slough:

1. From Station 316+70 to 511+10, levee and patrol road along the left bank of Yankee Slough, from the W.P.R.R. upstream to high ground, near Rio Oso, Sutter County, California, completed 24 September 1952. 141-1

2. From Station 166+70 to 536+09, levee and patrol road along the right bank of Yankee Slough, from its junction with Bear River upstream to high ground, completed 16 September 1952. 141-1

Part "L" - Southerly Levee of South Dry Creek and Easterly and Westerly Levees of Grasshopper Diversion Channel:

1. From Station 98+45 to 671+28, levee and patrol road along the left bank of South Dry Creek Channel, from a point 1.86 miles upstream from Bear River to the westerly levee of Grasshopper Diversion Channel, near Wheatland, California, completed 8 September 1952. 146

2. From Station 377+60 to 418+16, levee and patrol road along the left bank of South Dry Creek, from the easterly levee of Grasshopper Diversion Channel upstream approximately 4056 feet, near Wheatland, California, completed 8 September 1952. 146

3. From Station 0+00 to 25+69, levee and patrol road along the westerly bank of Grasshopper Diversion Channel, from the southerly levee of South Dry Creek upstream approximately 2569 feet near Wheatland, California, completed 8 September 1952. Station 25+69 corresponds to Station 390+20 shown on drawing. 146

4. From Station 0+00 to 13+85, levee and patrol road along the easterly bank of Grasshopper Diversion Channel from the southerly levee of South Dry Creek upstream approximately 1385 feet, near Wheatland, California, completed 8 September 1952. 146

SPKCO-P  
The Reclamation Board

The levee units referred to above, together with the patrol roads thereon, form an integral part of the Sacramento River Flood Control Project and meet with the requirements of the project. Therefore, said levee units, together with the waterway banks contiguous thereto, are hereby transferred to the State of California for operation and maintenance.

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing Flood Control Regulations which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress, approved 22 June 1936, as amended and supplemented. As provided under Paragraph No. 208.10 (10) of these regulations, a maintenance manual covering these levee units is in process of preparation and will be furnished to you upon completion.

A copy of this letter is being transmitted to the State Engineer.

FOR THE DISTRICT ENGINEER:

Copy furnished:  
State Engineer,  
/ Dept. of Public Works  
1120 "N" St., Sacto, Calif.

cc: / Office of C. of E.  
/ So. Pac. Div. Eng.  
/ Eng. Div.  
/ Sacto Field Office  
/ C. deArrieta  
/ Service Section

Sincerely yours,

Earl G. Peacock  
Lt. Col., Corps of Engineers  
Executive Officer

REPLY MAIL  
Receipt  
Requested

Letter No. 12

12

SPKKA 824,3(Sac. Riv. F.C.P.)

8 DEC 1951

The Reclamation Board  
State of California  
1100 "O" Street  
Sacramento 14, California

Gentlemen:

Reference is made to your letter of 22 June 1951 acknowledging that certain reaches of the levees of the Sacramento River Flood Control Project and the waterway bank contiguous to said levee reaches meet the requirements of the project as authorized prior to the Flood Control Act of 1944.

The levee reaches in question are located as follows:

140. a. Northerly levee of the American River from Gibbon Street Bridge to Sacramento River. 118.2 (?)

b. Easterly levee of the Sacramento River.

Reach 15 141. (1) American River to Natoma Out. 60.25 to 79.0 124

Reach No. 11 142. (2) At Moulton Weir. (Man 2) 154

143. (3) Mile 158.5 (North End Moulton Weir) to Mile 164.4 (Princeton Ferry). (man 2) ? 136

144. (4) Mile 168.5 to Mile 168.9 (at Dutch City). (man 2) ? 138

c. Westerly levee of the Sacramento River.

145. (1) Mile 59.8 to Mile 60.75. 116

146. (2) Mile 61.8 to Mile 62.65 (at Drye Bend) 116

62.65

Accepted by letter dated 9 March 1953

Reach No. 11

Letter 12 Items 140 to 198

12

Letter No. 12

12

c. Westerly levee of the Sacramento River. (cont'd)

- ✓ 147. (3) Mile 62.65 to Mile 63.1 (South End Sacramento Weir). 116
- ✓ 148. (4) At Sacramento Weir. 158
- ✓ 149. (5) Mile 63.5 (North End Sacramento Weir) to Mile 67.11. 122
- ✓ 150. (6) Mile 68.42 to Mile 70.9. 122
- ✓ 151. (7) Mile 76.5 to Mile 81.7 (East End Fremont Weir). 123
- ✓ 152. (8) Along Fremont Weir. 157
- ✓ 153. (9) Mile 84.0 (West End Fremont Weir) to Mile 85.5. 128
- ✓ 154. (10) Mile 85.5 to Mile 85.9. 128
- ✓ 155. (11) Mile 87.6 to Mile 88.4. 128
- ✓ 156. (12) Mile 89.2 to Mile 89.8 (Knights Landing Highway Bridge). 128
- ✓ 157. (13) Mile <sup>89.2</sup> 89.8 (Knights Landing Highway Bridge) to Sycamore Slough. 89.9 128
- ✓ 158. (14) Mile <sup>100.6</sup> 100.6 to Mile 101.4. 128
- ✓ 159. (15) Mile 110.0 to Mile 111.2. 128

Reach No. 5

Reach No. 4

d. Westerly Levee of the Feather River.

- Reach 39 ✓ 160. (1) Sutter Bypass to Nicolaus Bridge. 143
- ✓ 161. (2) From a point 3.31 miles northerly from Nicolaus Bridge to the Fifth Street Bridge between Marysville and Yuba City. 143, 144
- Reach 38 ✓ 162. (3) From a point 1,400 feet northerly from the Fifth Street Bridge between Marysville and Yuba City to Station 774+00 "Y.C.N.B." Traverse. 144
- ✓ 163. (4) From a point east of Station 1188+00 "Y.C.N.B." Traverse to high ground just northerly from the Western Canal Headgate. 144

Reach 42 ✓ 164. a. Easterly levee of the Sacramento River from Matomas Cut to Feather River. 141.1

12

Letter No. 12

12

f. Easterly levee of the Feather River.

- Reach 42 ✓ 165. (1) Sacramento River to a point 2.37 miles southerly from Nicolaus Bridge. 141 Pt 1
- Reach 41 ✓ 166. (2) Bear River to Mile 14.4. } 145
- ✓ 167. (3) Mile 14.4 to Mile 14.7.
- ✓ 168. (4) Mile 14.7 to Mile 21.5.
- ✓ 169. (5) Mile 21.5 to Mile 22.75.
- ✓ 170. (6) Mile 22.75 to Mile 26.5 (Point where levee and S.F.R.R. meet). 145

g. Levees protecting the City of Marysville. All 147

- Reach 43 ✓ 171. (1) From the W.P.R.R. at Simerly Slough easterly to the Yuba River.
- ✓ 172. (2) Along the Yuba River from the "D" Street Bridge to the back levee near the Valley Meat Company.

h. Levees protecting Reclamation District No. 10.

- Reach No. 40 ✓ 173. (1) Northerly levee of Simerly Slough from the W.P.R.R. to the S.F.R.R. 151
- ✓ 174. (2) Easterly levee of the Feather River from Simerly Slough to a point 4.3 miles northerly from Simerly Slough. 151

Reach 46 ✓ 175. i. Northerly levee of the Yuba River from the back levee of the City of Marysville to a point 1.3 miles easterly from said back levee. 147

Reach 47 ✓ 176. j. Southerly levee of the Yuba River from Feather River (i.e. S.F.R.R.) easterly to the S.F.R.R. Main Line. 147

45 ✓ 177. k. Northerly levee of Bear River from Feather River easterly to the W. P.R.R. Interceptor. 145

45 ✓ 178. l. Westerly levee of the W.P.R.R. Interceptor and Clark Slough Interceptor (i.e. back levee of Reclamation District No. 784) from Bear River to the southerly end of the Clark Slough Interceptor. 145

12

SPEKA 824.3 (Sac. Riv. P.C.P.)  
The Reclamation Board

Letter No. 12

12

m. Southerly levee of the American River.

Ranch  
No. 251

- ✓ 179. (1) Sixteenth Street Bridge to the S.N.R.R. 118.1
- ✓ 180. (2) From a point 800 feet easterly from the W.P.R.R. to Mayhew Station. 118.1

n. Westerly levee of the Yolo Bypass.

- ✓ 181. (1) Sacramento River to Knights Landing Ridge Cut. 127
- ✓ 182. (2) Knights Landing Ridge Cut to the northeast corner of the Cache Creek Settling Basin. 126
- 28 ✓ 183. (3) S.N.R.R. Woodland Branch to a point 1.6 miles southerly from said railroad. 121
- 28 ✓ 184. (4) From a point 1.6 miles southerly from the S.N.R.R. Woodland Branch to the Willow Slough Pipes. 121
- 28 ✓ 185. (5) From a point 1.48 miles southerly from the Willow Slough Pipes to a point 1.9 miles southerly from said pipes. 121
- 28 ✓ 186. (6) From a point 1.9 miles southerly from the Willow Slough Pipes to the Willow Slough Interceptor. 121
- 28 ✓ 187. (7) From the Willow Slough Interceptor to Highway U.S. 40. 120
- ✓ 188. (8) From Highway U.S. 40 to Putah Creek. 119

27 ✓ 189. o. Easterly and Westerly training levees of Cache Creek Settling Basin from Cache Creek southerly. 126

28 ✓ 190. p. Northerly and Southerly levees of the Willow Slough Interceptor from the S.P.R.R. to the Yolo Bypass. 120

29 ✓ 191. q. Northerly levee of Putah Creek from Yolo Bypass westerly to high ground. 119

✓ 192. r. Southerly levee of Putah Creek from high ground on Dixon Ridge westerly to high ground. 119

s. Southerly levee of Knights Landing Ridge Cut. 127

- 26 ✓ 193. (1) From Yolo Bypass westerly 600 feet. Also covered under Unit 96-A
- 26 ✓ 194. (2) { From a point 2,500 feet westerly from Yolo Bypass to a point 2,900 feet westerly from Yolo Bypass. 127  
Also covered under 96-A

12

SPKKA 824.3(Sac. Riv. F.C.P.)  
The Reclamation Board

Letter No. 12

12

s. Southerly levee of Knights Landing Ridge Cut. (cont'd)

- 76 ✓ 195 (3) { From a point 3,300 feet westerly from Yolo Bypass to a point 7,100 feet westerly from Yolo Bypass. 127  
Also covered under Unit No. 96-A
- 35 ✓ 196 t. That portion of the back or westerly levee of Hastings Tract which runs east and west along the County Road for a distance of approximately one mile. 107
- ✓ 197 u. Northerly levee of Sycamore Slough from Sacramento River to Knights Landing Outfall Gates. 130
- ✓ 198 v. Southerly levee of Sycamore Slough from Sacramento River to Knights Landing Outfall Gates. 132

The records of this office show that your Board has accepted the levees and/or works covered by Items b<sub>1</sub>(1), b<sub>1</sub>(2), b<sub>1</sub>(3), c<sub>1</sub>(2), c<sub>1</sub>(4), c<sub>1</sub>(8), c<sub>1</sub>(11), c<sub>1</sub>(12), c<sub>1</sub>(14), d<sub>1</sub>(1), d<sub>1</sub>(3), d<sub>1</sub>(4), f<sub>1</sub>(3), f<sub>1</sub>(5), g<sub>1</sub>, h<sub>1</sub>, i<sub>1</sub>, l<sub>1</sub>, n<sub>1</sub>, n<sub>1</sub>(1), n<sub>1</sub>(2), n<sub>1</sub>(3), n<sub>1</sub>(6), n<sub>1</sub>(7), n<sub>1</sub>(8), o<sub>1</sub>, p<sub>1</sub>, q<sub>1</sub>, r<sub>1</sub> and s<sub>1</sub>(1) above, as complete. Accordingly the waterway bank contiguous to said Items is hereby transferred to the State of California for maintenance and operation.

The levee covered by Items a<sub>1</sub>, b<sub>1</sub>(4), c<sub>1</sub>(1), c<sub>1</sub>(3), c<sub>1</sub>(5), c<sub>1</sub>(6), c<sub>1</sub>(7), c<sub>1</sub>(9), c<sub>1</sub>(10), c<sub>1</sub>(13), c<sub>1</sub>(15), d<sub>1</sub>(2), e<sub>1</sub>, f<sub>1</sub>(1), f<sub>1</sub>(2), f<sub>1</sub>(4), f<sub>1</sub>(6), j<sub>1</sub>, k<sub>1</sub>, n<sub>1</sub>(4), n<sub>1</sub>(5), s<sub>1</sub>(2), s<sub>1</sub>(3), t<sub>1</sub>, u<sub>1</sub> and v<sub>1</sub>, above, although complete has not been formally transferred as contemplated by the Project documents. Accordingly the levee covered by said Items, together with the waterway bank contiguous thereto, is hereby transferred to the State of California for maintenance and operation.

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing Flood Control Regulations which have been prescribed by the Secretary of the Army pursuant to Section 5 of the Act of Congress approved 22 June 1956, as amended and supplemented. As provided under paragraph 208.10(10) of these regulations, a maintenance manual covering these works is in process of preparation and will be furnished your Board upon completion.

A copy of this letter is being transmitted to the State Engineer.

FOR THE DISTRICT ENGINEER:

Sincerely yours,

Copy Furnished:  
Office, Chief of Engrs.  
So. Pac. Div. Engr.  
State Engineer  
Engr. Div. (2)  
C. de Arrieta

H. R. Reifsnnyder  
Lt. Colonel, Corps of Engineers  
Executive Officer

State Reclamation Board Letterhead

March 11, 1953

District Engineer  
Sacramento District  
Corps of Engineers, U.S. Army  
P.O. Box 1739  
Sacramento 8, California

Dear Sir:

Reference your letters file No. SPKKO-P 824.3 (Sac. R.F.C.P.) dated 1 December 1951, 3 December 1951, 4 December 1951, three letters dated 6 December 1951, 7 December 1951, and six letters dated 8 December 1951. Subject letters transferred to the Reclamation Board for operation and maintenance, various levee units of the Sacramento River Flood Control Project.

The Reclamation Board at its 18 December 1951 meeting, on behalf of the State of California, accepted certain of the transferred units together with their contiguous waterway banks for operation and maintenance, and rejected others. A tabulation of the units so accepted or rejected is attached hereto.

Yours very truly,

THE RECLAMATION BOARD

A. M. BARTON  
Chief Engineer and General Manager

By \_\_\_\_\_  
D. M. CARR

EXHIBIT F  
Sheet 1 of 3

December 18, 1951

The Board accepted the transfer from the Corps of Engineers in letters of dates listed below, the following reaches of levees and their contiguous waterway banks where applicable for flood control operation and maintenance, as complete and meeting the requirements of the Sacramento River Flood Control Project.

<u>No.</u>	<u>Date of Letter</u>	<u>Levee Location</u>	<u>Remarks</u>
I	-----	-----	-----
II	8 Dec 1951	W. Levee Feather River except: 3.31 miles North from Nicolaus Bridge; 1400 ft. in Yuba City; from Sta. 774+80 to Sta. 1188+00 of "Y.C.H.B." Traverse	Maintained by Maintenance Area No. 3, Levee Dist Nos. 1 & 9 of Sutter Co. Recl. Dist. No. 777 and State

Note: Only item pertaining to Operation and Maintenance Manual No. 144 is included in the above copy.

State Reclamation Board Letterhead

December 3, 1952

District Engineer  
Sacramento District  
U. S. Corps of Engineers  
P. O. Box 1739  
Sacramento, California

Dear Sir:

Reference is made to your SPIKKO-P 824.3 (Sac. Riv. FCP) dated 2 October 1952, transferring certain completed levee units, together with the patrol roads thereon and with the waterway banks contiguous thereto, to the State of California for operation and maintenance.

The Reclamation Board at its meeting December 2, 1952, accepted said levee units on behalf of the State of California.

Part "F" -----

Part "G" and "H" - Westerly Levee of the Feather River:

1. Levee and patrol road along the right bank of the Feather River, from 5th Street bridge, Yuba City, upstream 1400 feet, at Yuba City, Sutter County, California, completed 5 September 1952.

2. -----

Very truly yours,

THE RECLAMATION BOARD  
A. M. BARTON  
Chief, Engineer & General Manager

By \_\_\_\_\_  
S.A. HONAKER, Asst. Secretary

Note: Only item pertaining to Operation and Maintenance Manual No. 144 is included in above copy.

EXHIBIT F  
Sheet 3 of 3

EXHIBIT G

SUGGESTED SEMI-ANNUAL REPORT FORM

TO: The District Engineer  
Sacramento District  
Corps of Engineers  
1209 - 8th Street  
Sacramento, California

(1 May 19\_\_\_\_)  
(1 Nov 19\_\_\_\_)

Dear Sir:

The semi-annual report for the period (1 May 19\_\_\_\_ to 31 October 19\_\_\_\_) (1 November 19\_\_\_\_ to 30 April 19\_\_\_\_) Sacramento River Flood Control Project, Unit No. 144, the west levee of the Feather River from the north boundary of Levee District No. 1 to the north boundary of Reclamation District No. 823 is as follows:

a. The physical condition of the protective works is indicated by the inspector's report, copies of which are inclosed, and may be summarized as follows:

(Superintendent's summary of conditions)

It is our intention to perform the following maintenance work in order to repair or correct the conditions indicated:

(Outline the anticipated maintenance operations for the following 6 months.)

b. During this report period, major high water periods (water level at 65.0 on gage at Sacramento Railroad Bridge or 59.0 on gage located below Shanghai Bend) occurred on the following dates:

<u>Dates</u>	<u>Maximum Elevation</u>
_____	_____
_____	_____
_____	_____

Comments on the behavior of the protective works during such high water periods are as follows:

(Superintendent's log of flood observations)

During the high water stages when the water level reached a height of \_\_\_\_\_, on the gage or excess thereof (dates) \_\_\_\_\_, it was necessary to organize and carry out flood operations as follows:

(See Maintenance Manual \_\_\_\_\_.)

c. The inspections have indicated (no) or (the following) encroachments or trespasses upon the project right-of-way.

d. (No) (\_\_\_\_\_) permits have been issued for (the following) improvements or construction within the project right-of-way.

Executed copies of the permit documents issued are transmitted for your files.

e. The status of maintenance measures, indicated in the previous semi-annual report as being required or as suggested by the representatives of the District Engineer, is as follows:

(Statement of maintenance operations, item by item with percent completion.)

f. The fiscal statement of the Superintendent's operations for the current report period is as follows:

	<u>Labor</u>	<u>Material</u>	<u>Equipment</u>	<u>Overhead</u>	<u>Total</u>
1. Inspection					
2. Maintenance					
3. Flood fighting operations					
TOTAL					

Respectfully submitted,

Superintendent of Works