

SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE
MANUAL

SACRAMENTO RIVER
FLOOD CONTROL PROJECT

UNIT NO. 122-PART NO. 1

WEST LEVEE OF SACRAMENTO RIVER FROM
MILE 70.8 TO SACRAMENTO WEIR
AND
NORTH LEVEE OF SACRAMENTO BYPASS
AND
EAST LEVEE OF YOLO BYPASS FROM
WOODLAND HIGHWAY TO SACRAMENTO
BYPASS



FILE COPY

RETURN TO
SACRAMENTO DISTRICT
CORPS OF ENGINEERS
FLOOD OPERATIONS CENTER
U. S. ARMY

SACRAMENTO, CALIFORNIA

CORPS OF ENGINEERS
U. S. ARMY

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

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BYPASS

LOCATION	ADDITION OR REVISION	DATE
1-04 e.	Add contract no. 57-67	Nov 1963
1-04 f.	Add contract no. 58-13	Nov 1963
1-04 g.	Add contract no. 61-45	Nov 1963
Exhibit B	Add drawing no. 50-4-3295	Nov 1963
Exhibit B	Add drawing no. 50-4-3321	Nov 1963
Exhibit B	Add drawing no. 50-4-3678	Nov 1963
1-04 h.	Add contract no. 65-132	Jul 1966
Exhibit B	Add drawing no. 50-4-3756	Jul 1966
Exhibit F	Add copy of letter of acceptance dated 18 Feb 1966	Jul 1966
1-04 i.	Add contract no. 65-137	Sep 1966
Exhibit B	Add drawing no. 50-4-4079	Sep 1966
1-04 j.	Add contract no. 66-134	Dec 1966
Exhibit B	Add drawing no. 50-4-4214	Dec 1966
Exhibit F	Add copy of letter of acceptance dated 29 Nov 1966	Dec 1966
1-04 k.	Add contract no. 66-146	Jun 1967
Exhibit B	Add drawing no. 50-4-4287	Jun 1967
1-04 l.	Add contract no. 67-C-0052	Jan 1968
2-05	Levee re-vegetation	Jan 1968
Exhibit B	Add drawing no. 6-4-2095	Jan 1968
Exhibit F	Add letter of acceptance dated 8 Dec 1967	Jan 1968
1-04 m.	Add contract no. 67-C-0082	Jan 1968
Exhibit B	Add drawing no. 50-4-4348	Jan 1968
Exhibit F	Add letter of acceptance dated 21 Dec 1967	Jan 1968
1-04 n.	Add contract no. 68-C-0077	Dec 1968
Exhibit B	Add drawing no. 50-4-4393	Dec 1968
Exhibit F	Add letter of acceptance dated 24 Dec 1968	Dec 1968
1-04 m.	Add contract no. 70-C-0111	Jan 1971
Exhibit B	Add drawing 50-4-4529	Jan 1971

LOCATION	ADDITION OR REVISION	DATE
Exhibit F	Add letter of acceptance dated Feb 9 1971	Jan 1971
1-04 n.	Add contract no. 70-C-0008	Mar 1971
Exhibit B	Add drawing No. 50-4-4310	Mar 1971
Exhibit F	Add letter of acceptance dated 2 Oct 1970	Mar 1971
1-04	Add subparagraph q.	Sep 1981
2-05	Add environment protection	Sep 1981
Exhibit B	Add drawing no. 50-4-5130	Sep 1981
Exhibit F	Add copy of letters of acceptance dated 27 Jul 1979	Sep 1981
1-04	Add subparagraph s.	Nov 1983
2-04 a	Add subparagraph (6).	Nov 1983
Exhibit B	Add drawing No. 50-5448	Nov 1983
Exhibit F	Add copy of letter of transfer dated 29 Oct 1981	Nov 1983
1-04	Add subparagraph r.	Nov 1983
2-05	Add subparagraph b.	Nov 1983
Exhibit B	Add drawing No. 50-4-5542	Nov 1983
Exhibit F	Add copy of letter of transfer dated 3 Dec 1979	Nov 1983
1-04	Add subparagraph t.	Feb 1985
Exhibit B	Add drawing no. 50-4-5718	Feb 1985
Exhibit F	14 Nov 1984	Feb 1985
1-04	Add subparagraph u	27 Nov 2007
2-01	Add subparagraph c	27 Nov 2007
Exhibit B	Add drawing no. 4-04-6265	27 Nov 2007
Exhibit F	Add copy of letter of transfer dated 27 Nov 2007	27 Nov 2007
1-04	Add subparagraph v	Nov 2010
Exhibit B	Add Plan Sheets G-1, C-2 to C-4 (4 sheets)	Nov 2010
Exhibit F	Add copy of letter of transfer dated 2 Feb 1951	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 4 Dec 1951	22 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 18 Dec 1951	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 3 Aug 1953	22 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 11 Jan 1954	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 18 Jul 1958	22 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 18 Dec 1958	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 29 Dec 1960	22 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 24 Jan 1961	22 Dec 2010
1-04	Add subparagraph w	22 Dec 2010
1-04	Add subparagraph x	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 14 Jan 1987	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 16 Jan 1987	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 4 Jan 1966	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 27 May 1966	2 Feb 2011
Exhibit F	Add copy of letter of acceptance dated 21 Jun 1966	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 26 Oct 1966	2 Feb 2011
Exhibit F	Add copy of letter of acceptance dated 1 Dec 1966	2 Feb 2011

LOCATION	ADDITION OR REVISION	DATE
Exhibit F	Add copy of letter of acceptance dated 9 Dec 1966	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 17 Nov 1967	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 28 Nov 1967	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 22 Nov 1968	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 15 Sep 1970	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 28 Sep 1970	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 16 Jul 1979	7 Mar 2011
Exhibit F	Add copy of letter of acceptance dated 20 Dec 1979	7 Mar 2011
Exhibit F	Add copy of letter of acceptance dated 7 Dec 1981	7 Mar 2011
1-04	Add subparagraph y	7 Mar 2011
Exhibit F	Add copy of letter of transfer dated 30 Nov 1987	7 Mar 2011
1-04	Change second subparagraph m to o (70-C-0111)	7 Mar 2011
1-04	Change second subparagraph n to p (70-C-0008)	7 Mar 2011
Revisions sheet	Removed Jan 1969 revision - duplicate	7 Mar 2011
Exhibit F	Add copy of letter of transfer dated 4 Jan 2011	24 May 2011

UNIT NO. 122 - PART NO. 1

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<u>EXHIBIT</u>	<u>DESCRIPTION</u>
A	Flood Control Regulations - - - - - Unattached (Contained in Standard Manual)
A-1	Location Drawing - - - - - 1 sheet
B	"As Constructed" Drawings - - - - - Unattached
C	Plates of Suggested Flood Fighting Methods - - - - - Unattached (Contained in Standard Manual)
D	Check List No. 1 - Levee Inspection Report - - - - - Unattached (Contained in Standard Manual)
E	Check Lists - Levees, Channels and Structures - -Sheets 1 thru 8
F	Letter of Acceptance by State Reclamation Board Sheets 1 thru 4
G	Semi-annual Report Form - - - - - Sheets 1 and 2

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SECTION I

INTRODUCTION

1-01. Location. - The improvement covered by this manual is Unit No. 122 - Part No. 1 of the Sacramento River Flood Control Project and comprises the following levees and adjacent channels or floodways. The west levee of the Sacramento River from mile 70.8 at the Elkhorn Ferry crossing downstream about 7.3 miles to mile 63.5 at the north end of the Sacramento Weir (with exception of a section of the west levee of the Sacramento River from mile 68.42 to mile 67.11 which is not to grade and section and which requires additional work; also the north levee of the Sacramento Bypass and the east levee of the Yolo Bypass from the south boundary of Reclamation District No. 1600 at the Woodland Highway crossing downstream about 6.14 miles to the north levee of the Sacramento Bypass. Levees of this unit protect the lands of Reclamation Districts No. 537, 752, 785, and 827, in Yolo County, California, as shown on Exhibit A-1.

1-02. Protection provided. - The levees described in this manual provide protection to adjacent agricultural land against flood waters of the Sacramento River, Sacramento Bypass and Yolo Bypass and are essential features of the Sacramento River Flood Control Project. The grade of the adopted flood plane profile of the Sacramento River within this unit varies from elevation 38.20 at the Elkhorn Ferry crossing (mile 70.8) to elevation 34.5 at the north end of the Sacramento Weir (mile 63.5). Along the Sacramento Bypass the grade of the adopted flood plane profile varies from elevation 34.5 at the Sacramento Weir to elevation 29.4 at junction of Sacramento and Yolo Bypasses. Along Yolo Bypass the grade of the adopted flood plane profile varies from elevation 34.40 at the Woodland Highway crossing to elevation 29.4 at the Sacramento Bypass. (All elevations are referred to U. S. Corps of Engineers datum). The levee project grade within this unit provides a freeboard of at least 3 feet along the Sacramento River and a freeboard of at least 6 feet along the Sacramento and Yolo Bypasses. The project design capacity within this unit is 107,000 cubic feet per second in the Sacramento River, 112,000 cubic feet per second in the Sacramento Bypass, and 377,000 cubic feet per second in the Yolo Bypass.

1-03. Project works. The flood control improvements covered by this manual were authorized by the Flood Control Act of 1917 as modified by the Acts of 1928, 1937, and 1941. All levees of this unit as described in paragraph 1-01, were originally built by local interests and consists of the following:

a. The Sacramento River levee was repaired or reconstructed by the Corps of Engineers by bank protection works and other levee repairs at various places.

b. No Federal work was necessary on the north levee of the Sacramento Bypass.

c. The Yolo Bypass levee reach was enlarged to adopted grade and section by the Corps of Engineers.

Part No. 1 of Unit No. 122 comprises a large percentage of the entire unit, the remainder being the exception as referred to above, VIZ: that portion of the west levee of the Sacramento River from mile 68.42 to 67.11. At such time when the remainder is completed to project standards, this manual will be revised to cover the whole unit.

1-04. Construction Data and Contractor. Necessary construction to bring levees to project standards was accomplished under the following contracts:

a. Enlargement of the east levee of Yolo Bypass along Reclamation District No. 827 was accomplished under Contract No. W-1105-eng-740 by the Ajax Dredge Company and completed on 5 October 1931.

b. Enlargement of the east levee of Yolo Bypass along Reclamation District No. 785 was accomplished under Contract No. W-1105-eng-1106 by the Olympian Dredge Company and completed on 22 December 1933.

c. Bank protection work on the west bank of the Sacramento River at mile 65.9 was accomplished under Job Order No. 1071 and completed on 6 September 1946.

d. Bank protection work on the west bank of the Sacramento River at mile 67.1 was accomplished under Job Order No. 1072 and completed on 5 September 1946.

In addition to the foregoing work, emergency repairs on the west bank of the Sacramento River from mile 65.9 to mile 66.4 was accomplished under Contract No. DA-04-167-eng-1023 by Carl C. Harmeling and completed on 31 July 1953.

e. Emergency levee repairs, east levee of Yolo Bypass in Reclamation District No. 827 was made under Contract No. DA-04-167-CIVENG-57-67 by An-Nan Construction Company during the period from 8 October 1956 to 31 January 1957, Specification No. 2244, Drawing No. 50-4-3321.

f. Levee construction, right bank Sacramento River, vicinity of Monument Bend, Mile 66.9 to Mile 68.3 was accomplished under Contract No. DA-04-167-Civeng-58-13 by Basalt Rock Company, Inc. during the period from 18 July 1957 to 15 July 1958, Specification No. 2535, Drawing No. 50-4-3295.

g. Emergency levee construction on right bank Sacramento River Mile 66.6 was accomplished under Contract No. DA-04-167-CIVENG-61-45 by Arons Building Wrecking Company during the period from 4 November 1960 to 15 December 1960. Specification No. 2715, Drawing No. 50-4-3678.

h. Bank protection on the right bank of the Sacramento River from Monument Bend to Sacramento Weir (Mile 67.0 to 63.4) was accomplished under contract No. DA-04-167-CIVENG-65-132 by Spike Voudouris & Hulse Bros. during the period from 13 May 1965 to 27 May 1966, Specification No. 3025, Drawing No. 50-4-3756 (Unit No. 5).

i. Emergency levee repairs on the east levee of Yolo Bypass were accomplished under Contract No. DA-04-167-CIVENG-65-137 by Homer Flint, Contractor, during the period from 22 June 1965 to 13 August 1965, Specification No. 3234, Drawing No. 50-4-4079.

j. Bank protection on the east levee of Yolo By-pass was accomplished under Contract No. DA-04-167-CIVENG-66-134 by G. T. Construction Company during the period from 10 June 1966 to 4 November 1966. Specification No. 3330, Drawing No. 50-4-4214.

k. Levee repairs, right bank of Sacramento River at Mile 65.5 were accomplished under Contract No. DA-04-167-CIVENG-66-146 by James L. Ferry & Son, Contractor, during the period from 27 June 1966 to 5 October 1966. Specification No. 3353, Drawing No. 50-4-4287 (Unit No. 6A).

l. Planting of trees and shrubs on the waterside slope and berm along the right bank of the Sacramento River between river miles 64.4 and 65.5 was accomplished under Contract No. DACW05-67-C-0052 by Fairway Landscape Company, during the period from 13 April 1967 to 15 November 1967. Specification No. 3429, Drawing No. 6-4-2095.

m. Bank protection east levee of Yolo Bypass was accomplished by Spike Voudouris under Contract No. DACW03-67-C-0082 during the period from 24 May 1967 to 30 November 1967, Specification No. 3418, Drawing No. 50-4-4348.

n. Bank protection on east levee of Yolo Bypass (sites 1 & 2) was accomplished by Spike Voudouris under Contract No. DACW05-68-C-0077 and completed on 5 November 1968. Specification No. 3492, Drawing No. 50-4-4393.

o. Bank protection on east levee of Yolo Bypass was accomplished by Spike Voudouris and A. R. McEwen under Contract No. DACW05-70-C-0111 and completed on 1 September 1970. Specification No. 3769, Drawing No. 50-4-4529.

p. Bank protection on the west levee of the Sacramento River at Mile 70.4 (Unit No. 16) was accomplished by H. Earl Parker under Contract NO. DACW05-70-C-0008 and completed on 23 September 1970. Specification No. 3390, Drawing No. 50-4-4529.

*This work was performed under the Sacramento River Bank Protection Project authorized by the Flood Control Act of 14 July 1960, Eighty-sixth Congress, Second Session, Senate Document No. 103.

q. Bank sloping, stone protection and selective clearing on the right bank of the Sacramento River at Site Miles 70.4 (of Unit 30) was accomplished under Contract No. DACW05-76-C-0107 by James Ferry and Son. Construction was completed on 6 July 1979. Specification No. 5081, Drawing No. 50-4-5130.

r. Bank sloping, stone protection and selective clearing on the right bank of the Sacramento River at Site Mile 68.5 (of Unit 34B) was accomplished under Contract No. DACW05-79-C-0081. Specification No. 5760, Drawing No. 50-4-5542.

s. Bank sloping, stone protection, selective clearing, and the construction of a concrete boat launching ramp, parking area, and access road on the right bank of the Sacramento River at Site Mile 69.5 (of Unit 34A) was accomplished under Contract No. DACW05-81-C-0070. Specification No. 5580, Drawing No. 50-4-5448.

t. Emergency repairs to project levees on the left bank left of the Yolo Bypass in RD 785, RD 827 and RD 1600, were accomplished under Contract No. DACW05-84-C-0119 by Sybon and Reid, Inc. Specification No. 7219, Drawing No. 50-4-5718.

u. Emergency protection under PL 84-99 was provided to an erosion site along the left bank of Yolo Bypass at the intersection of County Road 124 and the canal road. Reclamation District (RD) 827, Yolo Bypass Levee, Left Bank, Levee Unit 2, Levee Mile 2.75, Order 2 repair (SN# 20051230-012-001). Twenty feet on an existing 18 inch diameter steel pipe that passes through the levee crown was removed along the 60-foot long landside levee slope that was reconstructed to pre-flood slope and height. The reclamation district was responsible for reinstalling the pipeline along the levee slope and through the crown. The damaged area was provided with erosion control seeding and an erosion mat (coir fabric). Construction was completed on December 4, 2006. Contract No. W91238-04-D-0002, Specification No. 1137E, Drawing No. 4-04-6265.

v. PL 84-99 rehabilitation repairs to the left bank levee of the Yolo Bypass, under Contract No. W911238-08-D-0016 (Task Order No. 0005) by Santos excavating, Inc., was completed on September 30, 2008. Specifications: P.L. 84-99 Levee Rehabilitation Repairs. Drawings: "PL 84-99 Levee Rehabilitation Repairs, CY2007 Order 4 Site, Reclamation District 785".

TABLE 1: YOLO BYPASS – EAST LEVEE (RECLAMATION DISTRICT 785)

SITE	COORDINATES (NAD 83)				SITE LENGTH (FT)	DESCRIPTION
	(N)	(W)	(N)	(W)		
035-001	38.62172, -121.60763 to 38.61242, -121.60047				3956	
	Downstream Segment – See drawings				2494	Repair
	Upstream Segment – See drawings				1462	Repair plus riprap

w. Emergency repairs to project levees consisting of restoration of portions of the left bank of Yolo Bypass in Reclamation Districts 537, 785, 827 and 1600, right bank of the Sacramento Bypass, and right bank of the Sacramento River in RD 1600 was completed on 17 November 1986 under Contract No. DACW05-86-C-0113. Drawing No. 50-4-5776.

x. Emergency repairs to the Sacramento River Weir were completed on 3 November 1986 under Contract No. DACW05-86-C-0116.

y. Bank sloping and stone protection on the right bank of the Sacramento River, Site Mile 70.2 was completed on 15 November 1987 under Contract No. DACW05-86-C-0079. Specification No. 7082, Drawing No. 50-4-5714.

1-05. Flood flows. For the purposes of this manual, the term “flood” or “high water period” shall refer to flows when the water surface in the Sacramento River reaches or exceeds the reading of 29.0 on the U.S. Corps of Engineers and State Division of Water Resources continuous water recorder and staff gage located on the right bank of the Sacramento River 100 feet downstream from the Sacramento Weir; also when the water surface in the Yolo Bypass reaches or exceeds the reading of 27.0 on the State Division of Water Resources continuous water stage recorder and staff gage located on the east levee of Yolo Bypass immediately upstream from the Sacramento Northern Railway near the Woodland Highway; also when the water surface in the Yolo Bypass reaches or exceeds the reading of 22.0 on the State Division of Water Resources continuous water stage recorder and staff gage located at the intersection of the east levee of Yolo Bypass and the north levee of the Sacramento Bypass. All gages are set on U.S. Corps of Engineers datum.

1-06. Assurances provided by local interests. Assurances of cooperation by local interests is provided by the 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 the State Reclamation Board. Responsibility for operating and maintaining the easterly levee of Yolo By-pass from Fremont Weir to Miner Slough and the northerly levee of the Sacramento By-pass was officially accepted by the Reclamation Board of the State of California on 18 December 1951, as shown on the attached letter of acceptance, Exhibit F.

Portions of the west levee of the Sacramento River from mile 70.9 to 68.42 and from mile 67.11 to 53.5 were transferred to the State Reclamation Board by letter of 8 December 1951, as shown on the attached letter of transfer, Exhibit F.

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 levees described in this manual are located along the westerly side of the Sacramento River from the Elkhorn Ferry crossing at mile 70.8 downstream about 7.3 miles to mile 63.5 at the north end of the Sacramento Weir (with exception of a section of the west levee of the Sacramento River from river mile 68.42 to 67.11). Also the north levee of the Sacramento Bypass and the easterly levee of Yolo Bypass from the Woodland Highway crossing downstream about 6.14 miles to the north levee of the Sacramento Bypass. All levees of this unit were originally built by local interests and the east levee of Yolo Bypass has been rebuilt to adopted grade and section by new construction. Portions of the west levee of the Sacramento River have been reinforced by bank protection work. For more complete detail of items included in construction above mentioned levees, referenced is made to the "As Constructed" drawings of Exhibit B. Structures affecting levee maintenance are listed in Exhibit E.

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.

c. Inspection. The repaired erosion site should be visually inspected at the beginning and the end of each flood season, and during and after each flood event. The inspector should note the presence of any of the following items:

- Depressions, changes in grade, slumps, "sinkholes", bulges, or cracking in the levee slope.
- Cracks or depressions in the levee crest.
- Rodent activity.
- Seepage, slumps, erosion, or "soft" conditions on the levee slopes near the pipeline

alignment.

If any of the above conditions are noted, especially if significant changes have occurred since the previous inspection, then the conditions should be repaired as a part of the normal levee maintenance program. If problems re-develop quickly, especially at times of low or no rainfall, then it is likely a leak has developed in the pipeline. RD personnel should work with the pipeline owner to find and repair the source of the leak in an expeditious manner. After the leak is repaired, the levee can be restored.

2-02. Drainage and Irrigation Structures.

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

River Mileage	Size and Kind of pipe	Other Structure Description	Elev. Of invert at pipe
<u>West Levee of Sacramento River (see drwg. 6-13-573 of EXHIBIT B)</u>			
70.05	18" steel	Pumphouse R.S.	33.4
69.5	30" steel	Pumphouse R.S.	32.6
68.86	12" steel	Centrifugal pump R.S.	30.9
68.43	18" steel		

River	:	Size and	:		:	Elev. of invert
Mileage	:	Kind of pipe	:	Other Structure Description	:	at pipe

West Levee Sacramento River (see drwg. 6-13-573 of Exhibit B).

67.04	12" iron	Centrifugal pump R.S.	37.1
65.58	4" steel	Gate Valve R.S.	28.3
65.58	8" steel	Centrifugal pump and gate valve R.S.	28.5
65.13	4" steel	Pump L.S.	32.6
65.12	8" steel	Pumphouse L.S.	31.9
64.71	12" steel	Concrete plug L.S.	24.2
64.71	4" steel	Pumphouse L.S.	23.0
64.61	8" steel		28.0
64.44	8" steel	Concrete plug R.S.	30.6
64.44	18" steel	Centrifugal pump L.S.	27.8
64.31	8" steel	Pump L.S.	27.8
64.19	10" steel	Pumphouse R.S.	26.6
64.11	18" iron	Pumphouse R.S.	27.0
63.69	8" steel	Pump R.S.	

River	:	Size and	:		:	Elev. of invert
Mileage	:	Kind of pipe	:	Other Structure Description	:	at pipe

North Levee Sacramento Bypass (see drwg. 50-10-2796 of Exhibit B)

174	36" C.M.P.	Drainage pump L.S.	11.3
178	30" C.M.P.		13.7
179	3-14" steel	Pump L.S.	

East Levee Yolo Bypass (see drwg. 50-4-1304-1 and 50-4-1274 of Exhibit B)

Station
Location

131+70	12" steel		33.9
3+75	24" steel	R.D. No. Pumping Plant	31.2
169+25	10" steel		32.1
111+70	24" steel	Pumphouse on pile structure R.S.	29.4

Notes on abbreviations:

R.S. = Riverside
L.S. = Landside
C.M.P. = Corrugated Metal Pipe
R.D. = Reclamation District

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. Channels.

a. Description. The main channel of the Sacramento River from the south boundary of Reclamation District No. 1600 at the Elkhorn Ferry crossing to the Sacramento Weir is a navigable stream with a controlling depth of six feet. This portion of the main channel of the Sacramento River is confined between levees along both banks and has a project design capacity of 107,000 cubic feet per second. When flood discharge exceeds the carrying capacity of the Sacramento River, flood water is discharged into the Sacramento Bypass through the Sacramento Weir which, in turn, is discharged into the Yolo Bypass.

Sacramento Bypass is a leveed overflow channel about 1,800 feet wide that carries excess flood waters of the Sacramento River to the Yolo Bypass. Levees along both banks are lined with a concrete blanket on the riverside slopes for about half the distance downstream from the Weir. The project design capacity of the Sacramento Bypass is 112,000 cubic feet per second.

The Yolo Bypass within this unit from the south boundary of Reclamation District No. 1600 at the Woodland Highway to the Sacramento Bypass is a leveed floodway about $2\frac{1}{2}$ miles wide that is used during flood periods to carry excess flood water of the Sacramento River System. A large portion of the overflow area between levees of the Yolo Bypass is used for production of seasonal crops. The project design capacity of the Yolo Bypass in this reach is 377,000 cubic feet per second.

Since the channel of the Sacramento River within this unit is utilized for navigable purposes, the responsibility of local interests for inspection, maintenance, and operation of the channel of the Sacramento River shall be limited to flood control and the requirements which follow shall be observed only to that extent.

The floodways of the Sacramento Bypass and the Yolo Bypass within this unit shall be inspected, maintained, and operated as outlined in the paragraphs which follow.

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 29.0 on the gage at Sacramento Weir, 27.0 on the gage in Yolo Bypass near the Woodland Highway and a reading of 22.0 on the gage at the west end of the north levee of the Sacramento Bypass 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 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 stages 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) Elkhorn Ferry crossing the Sacramento River at north end of this unit.

(2) Sacramento Weir at south end of this unit.

(3) Sacramento Northern Railway trestle and State Highway bridge crossing Yolo Bypass at the north end of this unit.

(4) Utility Relocations. Because of the nature of the construction of the levees by local interests, no records of any utility relocations are available.

(5) Hydrographic Facilities to be maintained by the agencies listed below are as follows:

(a) U. S. Corps of Engineers and State Division of Water Resources continuous water recorder and staff gage located on the right bank of the Sacramento River 100 feet downstream from the Sacramento Weir.

(b) State Division of Water Resources continuous water stage recorder and staff gage located on the east levee of Yolo Bypass immediately upstream from the Sacramento Northern Railway trestle near the Woodland Highway.

(c) State Division of Water Resources continuous water stage recorder and staff gage located at the intersection of the east levee of Yolo Bypass and the north levee of the Sacramento Bypass.

(6) Recreation Area. The recreation site on the water-side of the levee at Mile 93.7 which includes vehicle access ramps, boat launching ramp, pedestrian ramps, and parking areas shall be administered and maintained in a manner consistent with good public park practices. Inspection of the premises shall be conducted at least annually by members of the Corps of Engineers and the State Reclamation Board on a mutually agreed schedule, to determine the adequacy of the operation and maintenance program. **

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.

2-05 Environment Protection.

a. Vegetation left during construction on the waterside berm or slope above the bank protection shall not be removed under normal maintenance. Dead trees with wildlife value will be retained except where they are a hazard to existing flood control works. *

b. Consistent with the standards established in this manual and those established by the State of California, all wild growth, including but not limited to, trees, shrubs and other vegetation within those project areas where environmental easements have been obtained by local interests shall be preserved and retained. (Reference Site Mile 68.5, right bank.) **

- (1) After each flood season (15 April), the plant basins should be restored to original condition to permit watering until the fall of 1969.
- (2) From May through October of each year until October 1969, watering will be required in an amount to maintain sufficient water in the root zone of trees and shrubs to maintain growing conditions during the growing season.
- (3) Dry grass should be hoed or trimmed in a 5-foot radius around trees and shrubs to maintain a fire guard. In lieu thereof, grass may be controlled by use of contact herbicides.
- (4) Until October 1969, small doses of commercial fertilizer shall be applied to all plantings to maintain vigorous growth.
- (5) Delay pruning until the winter of 1969; after that date lower limbs of the trees shall be removed from the main trunk to a point 5 feet above the ground.
- (6) Tree stakes and ties should be checked at intervals to prevent girdling. The ties should be loosened as the tree expands, or replaced as old ties break. Sufficient looseness should be left in the tie to permit movement and growth of the trees. Remove stakes when the trees no longer need support (probably 1970).
- (7) If some trees expire, replacement will not be necessary as sufficient trees were planted with expectation that some would die.

SECTION III

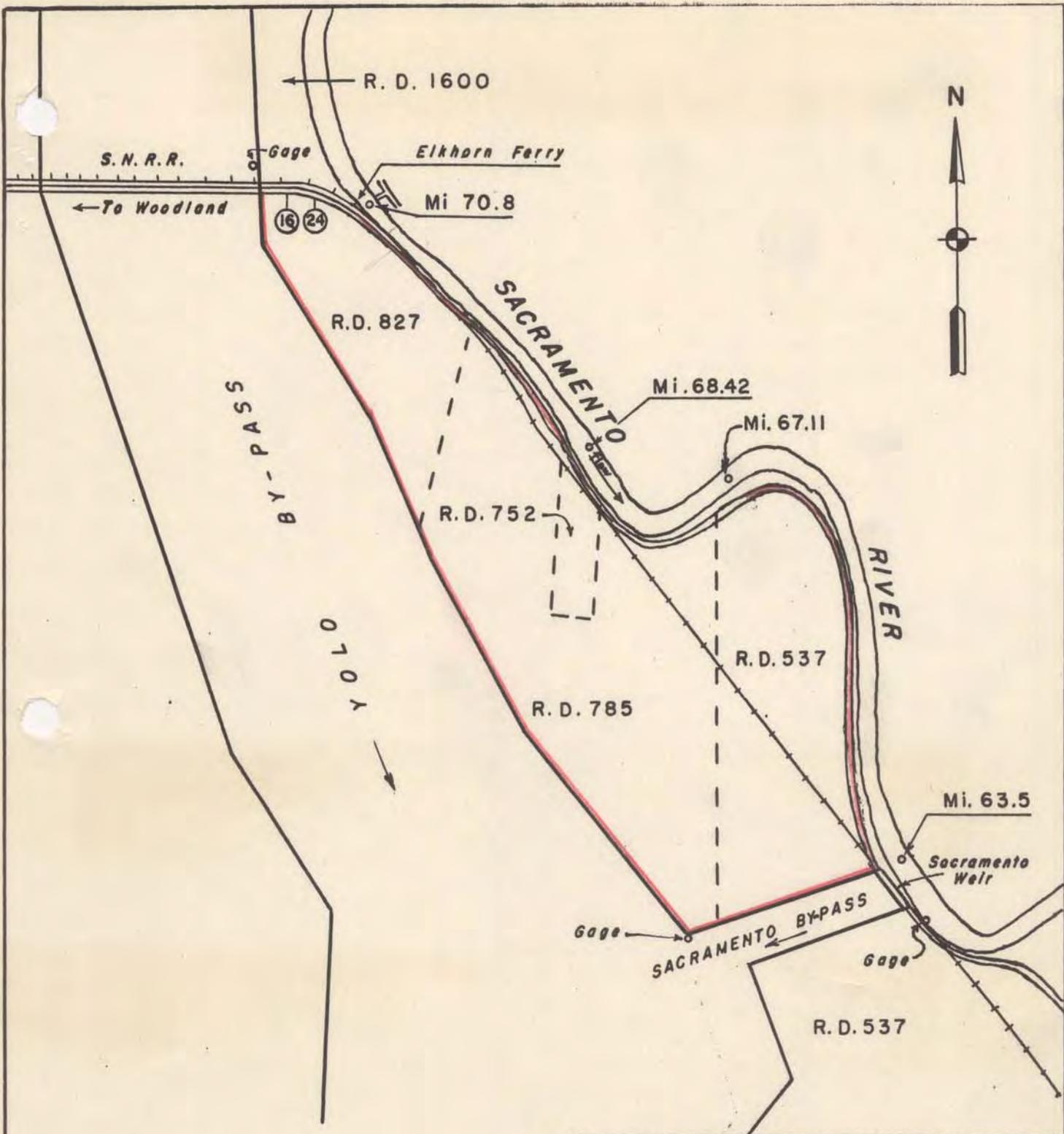
REPAIR OF DAMAGE TO PROJECT WORKS AND METHODS OF COMBATING FLOOD CONDITIONS

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 of advice, or will determine appropriate action to be taken.

3-02. Applicable methods of combating floods. - 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)



LEGEND

— Location of Levee within this Unit

LOCATION MAP
UNIT NO. 122 - PART NO. 1

WEST LEVEL SACRAMENTO RIVER FROM
 MILE 70.8 TO SACRAMENTO WEIR
 AND NORTH LEVEL SACRAMENTO BY-PASS
 AND WEST LEVEL OF YOLO BY-PASS

EXHIBIT B

"AS CONSTRUCTED"
DRAWINGS

(See separate folder for the following drawings)

<u>File No.</u>	<u>Title</u>
6-4-1582	Sacramento River Bank Protection Work - West Bank of River at Mile 65.9, 1 sheet
6-4-1592	Sacramento River Bank Protection Work - West Bank of River at Mile 67.1, 1 sheet
50-10-2796	Sacramento River Profile Downstream from Fremont Weir to Sacramento Bypass, sheets 2 and 3
50-4-1274	Enlargement of East Levee of Yolo Bypass along District No. 785, 1 sheet
50-4-1304-1	Enlargement of East Levee of Yolo Bypass along Reclamation District No. 827, 1 sheet
6-13-573	Sacramento River from Sacramento to Vernon, sheets 5, 6, 7, 8, and 9.
50-4-2967	Emergency Levee Repair work on the west levee of the Sacramento River from Mile 65.9 to 66.4, 1 sheet
50-4-3295	Levee construction, right bank Sacramento River vicinity Monument Bend, in 11 sheets
50-4-3321	Emergency levee construction, east levee Yolo Bypass in R.D. No. 827, in 2 sheets
50-4-3678	Emergency levee construction, right bank Sacramento River, Mile 66.6, in 3 sheets
50-4-3756	Bank Protection, Right Bank Sacramento River from Monument Bend to Sacramento Weir, in 18 sheets.
50-4-4079	
A f	Emergency Levee Repairs, East Levee Yolo Bypass, State Highway 24 to Southern Pacific Railroad, in 1 sheet.
50-4-4214	By-pass Levee Revetment, East Levee Yolo By-pass, 2.2 to 3.3 miles upstream from Sacramento By-pass and Sacramento By-pass downstream to S.P.R.R., in 8 sheets.
File No. 50-4-4287	Levee Repairs Unit No. 6A, Right Bank Sacramento River at Mile 65.5, in 4 sheets.
50-4-2095	Levee Re-Vegetation right bank Sacramento River Mile 65.0, in 2 sheets.
50-4-4393	Bypass Levee Revetment Yolo and Sutter Bypass Levees, in 7 sheets.

50-4-4348	Bypass Levee Revetment East and West Levees Yolo Bypass, in 7 sheets.
50-4-4529	Bypass Levee Revetment, East Levee Yolo Bypass, in 4 sheets.
50-4-4310	Bank Protection, Various Locations Right and Left Banks, Sacramento River between Tisdale Weir and Sacramento, in 26 sheets.
50-4-5130	Bank Protection, Various Locations, Right and Left Banks, Sacramento River Mile 60.0 to Mile 110.0, in 41 sheets.
50-4-5542	Bank Protection, Right Bank, Sacramento River Mile 68.5, in 2 sheets.
50-4-5448	Sacramento River and Tributaries, Elkhorn Regional Park, in 8 sheets.
50-4-5718	Yolo County, California, Emergency Levee Repairs, East Bank Yolo Bypass, RD 1600, 827 and 785, in 1 sheet.
4-04-6265	PL 84-99 Levee Rehabilitation Program SN 12/RD 827 and Sacramento Maintenance Yard, in 2 sheets.
None	PL84-99 Levee Rehabilitation Repairs CY2007 Order 4 Site Reclamation District 785, Yolo County, California, in 4 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. 122 - PART NO. 1

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 the 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. 122 - PART NO. 1

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. 122 - PART NO. 1

Inspector's Report Sheet No. _____

Inspector _____

Date _____

Superintendent _____

For location of stations see drawings of Exhibit B

(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
<u>West Levee of Sacramento River, cont.</u>							
<u>River Mileage</u>							
64.31	Right						
64.19	"						
64.11	"						
63.69	"						
<u>North Levee of Sacramento By-Pass</u>							
<u>Section Number</u>							
174	Right						
178	"						
179	"						
<u>East Levee of Yolo By-Pass</u>							
<u>Station</u>							
131/70	Left						
3/75	"						
169/25	"						
111/70	"						

EXHIBIT E
Sheet 7 of 8

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 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
OF THE
STATE OF CALIFORNIA

April 2, 1952

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

Dear Sir:

1. Reference is made to your letter of 4 December 1951, File SPKKA 824.3 (Sacramento River Flood Control Project) transferring levee reaches and waterway banks contiguous thereto, to the Reclamation Board, located as follows:

a. Easterly levee of Yolo Bypass from Fremont Weir to Miner Slough.

b. Northerly levee of Sacramento Bypass.

c. * * * * *

2. There are no contiguous water banks to the above reaches of levee other than the levees themselves and the adjoining Bypass areas. Since enactment of Chapter 774, California Statutes of 1927, maintenance of the bypass areas has been an obligation of the State of California.

3. The easterly levee of the Yolo Bypass was principally constructed by local interests funds. The Federal work on this levee has been shaping of the same and providing uniform slopes, mainly three horizontal to one vertical on the waterward side. A short section of levee from Fremont Weir southerly, has been constructed to four to one waterward slopes. The remainder of the levee does not have this standard section. A considerable length of this levee will be the waterward bank of the Sacramento Deep Water Channel. The Reclamation Board cannot assume any obligation as to the portion of the waterward bank of the Yolo Bypass east levee, which is also the waterward bank of the ship channel project. Maintenance of this levee has continuously since its construction been an obligation of local interests. The State of California under Section 8361 of the Water Code of California now maintains the northerly 2 miles of this levee. The remainder is maintained by the following local Reclamation Districts: 1660, 827, 785, 537, 900, 765, and 999.

Formal acceptance by the Reclamation Board on 18 December 1951, is conditioned on the Federal obligation to complete the levee to the authorized cross-section and no State obligation to maintain any of the banks of the Sacramento Deep Water Channel.

4. The north and south levees of the Sacramento Bypass, and the bypass itself were entirely constructed by local interest monies. Maintenance and operation thereof is an obligation of the State under Section 8361 of the Water Code. No Federal funds have ever been spent upon this portion of the project. The Flood-Control Act of 22 December 1944, calls for flattening of the slopes of these levees to the four to one and three to one authorized section. This work is not required. The Reclamation Board on 18 December 1951, formally accepted these levees and this bypass as complete.

Yours very truly,

THE RECLAMATION BOARD

NOTE: Only items pertaining to Operation and Maintenance Manual No. 122 are included in the above copy.

By /s/ A. M. Barton
A. M. BARTON
Chief Engineer and General Manager

Registered Mail
Return Receipt Requested

SPKKA 824.3 (Sacto. R.F.C.P.)

8 December 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:

a. * * * * *

b. * * * * *

c. Westerly levee of the Sacramento River. (Continued)

* * * * *

(5) Mile 63.5 (North End Sacramento Weir) to Mile 67.11.

(6) Mile 68.42 to Mile 70.9.

d. * * * * *

The levee covered by items * * * * *

e. (5), e.(6), 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 3 of the Act of Congress approved 22 June 1936, 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.

Sincerely yours,

/s/H.R. Reinfsvynder
H. R. REINFSNYDER
Lt. Colonel, Corps of Engineers
Executive Officer

NOTE: Only items pertaining to Operation and Maintenance Manual No. 122 are included in the above copy



DEPARTMENT OF THE ARMY
U.S. Army Engineer District, Sacramento
Corps of Engineers
1325 J Street
Sacramento, California 95814-2922

REPLY TO
ATTENTION OF

Flood Protection and Navigation

JAN - 4 2011

Mr. Jay Punia, Executive Officer
Central Valley Flood Protection Board
3310 El Camino Avenue, Room 151
Sacramento, California 95821

Dear Mr. Punia:

The U.S. Army Corps of Engineers has completed a portion of work under PL 84-99, Flood Control and Coastal Emergencies (FCCE) (33 U.S.C. 701n) (69 Stat. 186) for emergency management activities. Repairs were made to rehabilitate a site within Reclamation District 785. Additional information about the repair and location of the site may be found in the document titled, "Project Information Report for P.L. 84-99 Levee Rehabilitation, Reclamation District 827 (Elkhorn District – Yolo Bypass) and Reclamation District 785 (Driver District – Yolo Bypass), Amendment #1 (Final)", dated June 25, 2007.

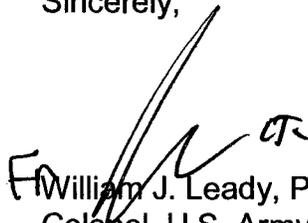
The rehabilitation work meets the requirements of the existing Operation and Maintenance Manuals (O&M) and enclosed revisions. The subject flood damage reduction project is considered complete as of the date of this letter. The repairs were completed under Contract Number W91238-08-D-0016, Task Order Number 5. As-constructed drawings and revisions to the Operation and Maintenance Manual are enclosed. The Central Valley Flood Protection Board shall continue to operate and maintain the completed Rehabilitation Effort as part of the project.

Mitigation plantings for the above work are required but have not been completed. The estimated completion date for the plantings is Spring 2011. All mitigation plantings will be ETL 1110-2-571 compliant. After completion of the plantings, a separate letter with addendum and as-builts will be sent to you.

If you have any questions regarding this project, please contact Ms. Paige Caldwell (916) 557-6919 or Ms. Christy Jones (916) 557-7107, Readiness Section. If you have any questions regarding this transfer, please contact Mr. Ryan Larson at (916) 557-7568 or Mr. Robert Murakami at (916) 557-6738, Flood Protection and Navigation Section.

A copy of this letter is being furnished to Reclamation District 785, 429 First Street, Woodland, CA 95695.

Sincerely,


William J. Leady, P.E.
Colonel, U.S. Army
District Commander

Enclosure

Flood Protection and Navigation Section

cc: CESPCK-CO-E (Jones)

MURAKAMI *ky*
LARSON *LRZ*
NAGY *MW*
CALDWELL *EC*
OLSEN *RO*
MAHONEY *men*
FAUSTINO *A*
MULLINS
LEADY

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T.O. 5\Transfer Letter - RD 0785 - W91238-08-D-0016.doc

NOV 27 2007

Flood Protection and Navigation Section

Mr. Jay Punia, General Manager
The Reclamation Board
State of California
3310 El Camino Avenue, Room LL40
Sacramento, California 95821

Dear Mr. Punia:

The U.S. Army Corps of Engineers (Corps) recently completed a portion of work under PL 84-99, Flood Control and Coastal Emergencies (FCCE) (33 U.S.C. 701n) (69 Stat. 186) for emergency management activities. Emergency repairs were made to rehabilitate 60-feet of eroded landside levee slope within Reclamation District 827 and located along the left bank of the Yolo Bypass at the intersection of County Road 124 and the Canal Road (Unit 2). Additional information about the repair and location of the site may be found in the document titled, Project Information Report (PIR) for PL 84-99 Levee Rehabilitation, Reclamation District 827 (Yolo Bypass) and Sacramento Maintenance Yard (Sacramento Bypass), dated October 25, 2006.

This work meets the requirements of the existing Operation and Maintenance Manuals (O&M) for the PL 84-99 Rehabilitation and Inspection Program (RIP); and therefore, said flood control work is transferred as of the date of this letter to the State of California for operation, maintenance, repair, replacement, and rehabilitation (OMRR&R).

The repairs were completed by Nordic Industries in accordance with Specification Number 1137E, Design File Number 4-04-6265, Contract Number W91238-04-D-0002, and Task Order Number 0008. As-constructed drawings and revisions to the Operation and Maintenance Manual are enclosed.

If you have any questions regarding this project, please contact Mr. Lester Schmittner, Civil Works Branch at (916) 557-7812. If you have any questions regarding this transfer, please contact Ms. Meegan Nagy at (916) 557-7257 or Mr. Robert Murakami at (916) 557-6738, Flood Protection and Navigation Section.

Sincerely,

Thomas C. Chapman, P.E.
Colonel, U.S. Army
District Engineer

Enclosure

CF:

Mr. Dan Ramos, President, Reclamation District 827, P.O. Box 175, 1450 Harbor Blvd., Suite B,
West Sacramento, CA 95691

Unit 102

Christie

- cc:
- CESPK-PM-C (Schmittner)
- CESPK-CO-OR (Murakami)
- CESPK-CO-OR (Readiness)
- CESPK-CO-RS
- CESPK-ED
- CESPK-ED-D
- CESPK-PM
- ✓ CESPK-PD-A (Ngim)

- MURAKAMI/dd *h*
- NAGY *M. G.*
- SANDNER *A*
- MAHONEY *W. J.*
- SCHMITTNER *W. J.*
- KORMAN *W. J.*
- ~~XXXXXXXXXX~~
- RICHERT *D.*
- ~~XXXXXXXXXX~~
- PORTER *B.*
- CHAPMAN

Unit 122

November 30, 1987

Navigation and Flood Control Unit

Done
 The Reclamation Board
 State of California
 1416 - 9th Street, Room 455-6
 Sacramento, California 95814

Members of the Board:

This is in regard to the joint inspections of November 24 and 25, 1987, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit 38B), to the State of California for operation and maintenance. The flood control work consists of bank sloping and placement of stone protection on the Sacramento River's right bank at Site Miles 62.6, 70.2, 71.2, 72.1, 76.6, 76.9, 89.8 (two sites on the left and right banks below Colusa Basin Outfall) and 98.7, and left bank at Site Miles 78.2, 101.5 and 105.5.

The work was completed on November 15, 1987, in accordance with Contract Number DACW05-86-C-0079, Specification Number 7082 and Drawing Number 50-4-5714. A 100-foot section of bank protection was deleted on the right bank at Site Mile 62.6 to accommodate a water intake facility for the City of West Sacramento.

The work was performed under general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL 86-645, July 14, 1960), and Section 2304(a), Title 10, and the Water Resources Development Act of 1986 (PL 99-662, October 17, 1986), and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway bank contiguous, thereto, is transferred as of November 25, 1987 to the State of California for operation and maintenance.

orig lost

*Units 116, 122, 123,
 124, 127, 128,
 130*

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Numbers 116, 122, Part-1, 123, 124, 127, 128 and 130, Sacramento River Flood Control Project. Copies will be furnished to your office at a later date.

Sincerely,

Wayne J. Scholl
Colonel, Corps of Engineers
District Engineer

(1145)

ROMPALA/mt

Copies Furnished:

KELLY

DWR, ATTN: G. Snow
DWR, ATTN: G. Qualley

A. SMITH

cc:

Commander, South Pacific Division, ATTN: CESP-D
Commander, USACE, ATTN: DAEN-CECW-OM
Flood Control Unit
Civ Des Sec D (Pahl)
Prog Dev
F&A Br
Valley Res Ofc (dupe)
C-O Div
Reading

HELM

FAST

DENNIS

CZARZASTY

SCHOLL

WANG #8856a

*Units 116, 122, 123,
124, 127, 128, 130*

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

January 15, 1987

Navigation and Flood Control Unit

The Reclamation Board
State of California
1410 - 9th Street, Room 433-6
Sacramento, California 95814

Members of the Board:

You are hereby notified that the Corps of Engineers has completed emergency repairs to project levees under authority of Section 3 of the Flood Control Act of August 18, 1941, as amended (Public Law 97, 64th Congress, 1st Session). The work was completed on November 17, 1986, and consisted of restoring portions of the Yolo Bypass left bank levee in Reclamation Districts 537, 785, 827 and 1000, the Sacramento Bypass right bank levee and the Sacramento River right bank levee in Reclamation District 1000 in accordance with Contract Number DACW85-86-C-0113 and Drawing Number 50-4-5776. This work shall be maintained in accordance with the assurances which your Board provided for the Sacramento River Flood Control Project. This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Numbers 116, 122 and 123, Sacramento River Flood Control Project. Copies will be furnished to your office at a later date.

Sincerely,

cc:
E.M. (Garrett)
> Ops Br
Engr Div (Civ Des Sec D - Pahl)
Valley Res Ofc (Cameron)

Wayne J. Scholl
Colonel, Corps of Engineers
District Engineer

Copies furnished:

Commander, South Pacific Division, AFM: SPMCO-0
SAR, AFM: J. Angel
SAR, AFM: G. Snow

Jul 1-20
ROMPALA/th

RCK
KELLY

A. SMITH

HELM

FAST

DENNIS

McCOLLUM

SCHOLL

WANG #6286a

not
Units 116,
122, 123

SACRO RIVER LEVEE R&B IN RD 1600

January 14, 1957

Navigation and Flood Control Unit

CERTIFIED
No. **785563**
RETURN RECEIPT REQUESTED

The Reclamation Board
State of California
1416 - 9th Street, Room 453-0
Sacramento, California 95814

Members of the Board:

You are hereby notified that the Corps of Engineers has completed emergency repairs to project levees under authority of Section 3 of the Flood Control Act of August 18, 1941, as amended (Public Law 49, 84th Congress, 1st Session). The work was completed on November 3, 1956, and consisted of repairs to the Sacramento River Weir, in accordance with Contract Number DACW01-86-D-0116 and Drawing Number 5025-3769. This work shall be maintained in accordance with the assurances which your Board provided for the Sacramento River Flood Control Project. This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Numbers 115, 121 and 128, Sacramento River Flood Control Project. Copies will be furnished to your office at a later date.

Sincerely,

Wayne J. Scholl
Colonel, Corps of Engineers
District Engineer

cc:
E.M. (Garrett)
Ops Br
Engr Div (Civ Des Sec D - Pahl)
Valley Res Ofc (Cameron)

RMPALA/jg

KELLY

A. SMITH

HELM

FAST

DENNIS

McCOLLAM

SCHOLL
WANG #6290a

Units 116, 158, 122



Copies furnished:

Commander, South Pacific Division
DSC, AFM: J. Angel
Sik, AIN: G. Ince

X



DEPARTMENT OF THE ARMY
SACRAMENTO DISTRICT, CORPS OF ENGINEERS
650 CAPITOL MALL
SACRAMENTO, CALIFORNIA 95814

REPLY TO
ATTENTION OF

November 14, 1984

Navigation and Flood Control Unit

The Reclamation Board
State of California
1416 - 9th Street, Room 455-6
Sacramento, California 95814

Members of the Board:

You are hereby notified that the Corps of Engineers has completed emergency repairs to project levees under authority of Section 5 of the Flood Control Act of August 18, 1941, as amended (Public Law 99, 84th Congress, 1st Session). The work was completed on November 2, 1984, and consisted of restoring the left bank levee of the Yolo Bypass in R.D. 785, R.D. 827 and R.D. 1600, in accordance with Contract Number DACW05-84-C-0119 and Drawing Number 50-4-5718. This work shall be maintained in accordance with the assurances which your Board provided for the Sacramento River Flood Control Project. This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Numbers 122 and 123, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely,

Arthur E. Williams
Colonel, Corps of Engineers
District Engineer

Copy Furnished:

Commander, South Pacific Division, ATTN: SPDCO-0
DWR, ATTN: M. Luttropp

DEPARTMENT OF WATER RESOURCES
THE RECLAMATION BOARD1416 - 9th Street, Room 335-18
Sacramento, CA 95814
(916) 445-9454

DEC 7 1981

Colonel Paul F. Kavanaugh
District Engineer
Sacramento District
U. S. Army Corps of Engineers
650 Capitol Mall
Sacramento, CA 95814

Dear Colonel Kavanaugh:

Reference is made to your letter of October 29, 1981, concerning the transfer of a portion of the Sacramento River Bank Protection Project, Unit No. 34A, Elkhorn Regional Park, to the State of California, for operation and maintenance.

The work consisted of selective clearing, bank sloping, placement of stone bank protection, and the construction of a concrete boat launching ramp, parking area, and access road on the Sacramento River Right Bank at Site Mile 69.5 in Yolo County.

The work was constructed in a workmanlike manner and in conformance with File No. 50-4-5448, Specification No. 5580, and Contract No. DACW05-81-C-0070, insofar as could be determined visually.

The Reclamation Board at its regular meeting of November 20, 1981, formally accepted from the District Engineer, for operation and maintenance, the completed work on the above-referenced site.

Sincerely,

Eldon E. Rinehart
ELDON E. RINEHART
General Manager

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Unit 122



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DEPARTMENT OF THE ARMY
SACRAMENTO DISTRICT, CORPS OF ENGINEERS
650 CAPITOL MALL
SACRAMENTO, CALIFORNIA 95814

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REPLY TO
ATTENTION OF SPKCO-0

29 October 1981

The Reclamation Board
State of California
1416 Ninth Street, Room 335
Sacramento, CA 95814

Members of the Board:

This is in regard to the joint inspection of 15 October 1981, made for the purpose of transferring the Elkhorn Regional Park, a portion of the Sacramento River Bank Protection Project (Unit 34A), to the State of California for maintenance.

The work consisted of a boat ramp, parking area, access road and stone protection within the Sacramento River right bank at Site Mile 69.5± in Yolo County. The park was completed on 15 October 1981 in accordance with Contract No. DACW05-81-C-0070, Specification No. 5580, and Drawing No. 50-4-5448.

The work was performed under the General Authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL 86-645, 14 July 1960) and Section 2304(a) Title 10. Therefore, said work is transferred as of 15 October 1981 to the State of California for maintenance.

This portion of the project will be added by amendment to the Operation and Maintenance Manual, Supplement No. 122 Part No. 1, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely,

PAUL F. KAVANAUGH
Colonel, CE
District Engineer

Copy furnished:
DWR ATTN: G. Piazza
AND D. Meixner

EXHIBIT F

DEPARTMENT OF WATER RESOURCES
THE RECLAMATION BOARD1416 - 9th Street, Room 335-18
Sacramento, CA 95814
(916) 445-9454

DEC 20 1979

Colonel Paul F. Kavanaugh
District Engineer
Sacramento District
U. S. Army Corps of Engineers
650 Capitol Mall
Sacramento, CA 95814

Dear Colonel Kavanaugh:

The Reclamation Board at its regular meeting of December 14, 1979, authorized me to accept the completed flood control work from the District Engineer. This work is a portion of Unit No. 34B of the Sacramento River Bank Protection Project. The work was transferred to the State of California by your letter of December 3, 1979.

? - see letter dtd 3 Dec 79
The flood control work was constructed in a workmanlike manner and in conformance with File No. 50-4-5542, Specification No. 5760, and Contract No. DACW05-79-C-0081, insofar as could be determined visually, at Site Mile 68.5 Right Bank, Sacramento River.

Sincerely,

for *Gene L. Anderson*
ELDON E. RINEHART
General Manager

CERTIFIED MAIL
RETURN RECEIPT REQUESTED*Unit 122*



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DEPARTMENT OF THE ARMY
SACRAMENTO DISTRICT, CORPS OF ENGINEERS
650 CAPITOL MALL
SACRAMENTO, CALIFORNIA 95814

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REPLY TO
ATTENTION OF SPKCO-0

3 December 1979

The Reclamation Board
State of California
1416 - 9th Street, Room 335
Sacramento, California 95814

Gentlemen:

This is in regard to the joint inspection of 30 November 1979, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit 34B), to the State of California for Operation and Maintenance. The flood control work consists of bank sloping and placing 730' (Sta. 1+60 to 8+90) of stone protection on the Sacramento River right bank at Site Mile 68.5. The site was completed on 30 November 1979 in accordance with Contract No. DACW05-79-C-0081, Specification No. 5760 and Drawing No. 50-4-5542.

The work was performed under general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL86-645, 14 July 1960), and Section 2304 (a), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway bank contiguous, thereto, is transferred as of 30 November 1979 to the State of California for operation and maintenance.

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement No. 122, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely,

PAUL F. KAVANAUGH
Colonel, CE
District Engineer

Copy furnished:
DWR, ATTN: R. Franson
DWR, ATTN: D. Meixner

EXHIBIT F

DEPARTMENT OF WATER RESOURCES
THE RECLAMATION BOARD1416 - 9th Street, Room 335-18
Sacramento, CA 95814
445-9454

JUL 27 1979

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Colonel Paul F. Kavanaugh
District Engineer
Sacramento District
U. S. Army Corps of Engineers
650 Capitol Mall
Sacramento, CA 95814

Dear Colonel Kavanaugh:

The Reclamation Board at its regular meeting of July 20, 1979, formally accepted the completed flood control work which was transferred to the State of California by your letter of July 18, 1979. This work is a portion of Unit No. 30 of the Sacramento River Bank Protection Project.

The flood control work was constructed in a workmanlike manner and in conformance with File No. 50-4-5130, Specification No. 5081 and Contract No. DACW05-76-C-0107, insofar as could be determined visually, at Sites Miles 70.4, 72.1, 75.9, 76.4, 76.9, 77.1, 77.4 and 77.9 Right Bank, Sacramento River.

Sincerely,

Eldon E. Rinehart
ELDON E. RINEHART
General Manager

CERTIFIED MAIL
RETURN RECEIPT REQUESTED



EXHIBIT F

file Sac River Bank Prot transfer file

SPKCO-0

16 July 1979

The Reclamation Board
State of California
1416 - 9th Street, Room 335
Sacramento, California 95814

done

Gentlemen:

This is in regard to the joint inspection of 14 July 1979 made for the purpose of transferring a portion of the Sacramento River Bank Protection Project, Unit 30, along the right bank at Site Miles 70.4, 72.1, 75.9, 76.4, 76.9, 77.1, 77.4, and 77.9. The sites described on the inclosure were completed on 14 July 1979 in accordance with Contract No. DACW05-76-C-0107, Specification No. 5081 and Drawing No. 50-4-5130. The work was performed under general authority of the Flood Control Act of 1960, 86th Congress, and now meets the requirement of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway bank contiguous thereto, is transferred as of 14 July 1979 to the State of California for operation and maintenance.

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement No. 122 Part 1 & 123, Sacramento River Bank Protection Project. Copies will be furnished your office at a later date.

Sincerely,

[Signature]
WAIT/rp

[Signature]
MCIN/DE

DONALD M. O'SHEI
Colonel, CE
District Engineer

[Signature]
A. SMITH

1 Incl
As stated

Copy furnished:
DWR,ATTN: R. Franson
DWR,ATTN: D. Meixner
OCE
SPD

[Signature]
HELM

cc:
>Ops Br (Flood Control)
Valley Res Ofc
Eng Div (lev & chan)
Prog Dev Br
F&A (Kalal)

[Signature]
PROBASCO
[Signature]
O'SHEI

Unit 122/123

*file to Prager
A. Harlow 20-7-79*

Summary of Sacramento River
Bank Protection Project
Portion of Unit 30
Sacramento River Right Bank

<u>Site Mile</u>	<u>Stone Protection</u>	<u>L. F.</u>
70.4	3+00 to 13+55	1055
72.1	6+55 to 15+50	895
75.9	30+00 to 35+90	590
76.4	0+50 to 5+00	450
76.9	56+90 to 58+60	170
77.1	45+10 to 48+20	310
77.4	30+75 to 34+50	375
77.9	5+96 to 12+36	640

4485

Unit 122, 123

Encl 1

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THE RECLAMATION BOARD
STATE OF CALIFORNIA

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Feb 9, 1971

File No: 4130.55.605
Your Contract: DACW05-70-C-0111

District Engineer
U. S. Army Corps of Engineers
650 Capitol Mall
Sacramento, California 95814

Dear Sir:

Reference is made to your letter of September 15, 1970, concerning transfer to the State of California of one rock revetment site on the east levee of the Yolo Bypass, from the Sacramento Bypass Upstream, for maintenance and operation.

This work was constructed in conformance with Specification No. 3769, Contract No. DACW05-70-C-0111, Drawing No. 50-4-4529.

The Reclamation Board at its meeting of October 9, 1970, formally accepted the above-referred to work for operation and maintenance.

Sincerely yours,

/s/ A. E. McCollam
A. E. McCOLLAM
Chief Engineer and General Manager

EXHIBIT F

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DEPARTMENT OF WATER RESOURCES
STATE OF CALIFORNIA

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October 2, 1970

District Engineer
U. S. Army Corps of Engineers
650 Capitol Mall
Sacramento, California 95814

Subject: 4130.60.204
Your Contract 70-C-0008
Sacramento River Bank Protection
Project, Unit No. 16

Dear Sir:

Reference is made to the precompletion inspection of a portion of the above referenced project made on September 23, 1970.

The work sites inspected were as follows:

Site Mile 61.0, Left Bank, Sacramento River
Site Mile 70.4, Right Bank, Sacramento River
Site Mile 71.5, Right Bank, Sacramento River
Site Mile 71.9, Right Bank, Sacramento River
Site Mile 77.0, Right Bank, Sacramento River
Site Mile 77.85, Right Bank, Sacramento River
Site Mile 84.5, Right Bank, Sacramento River
Site Mile 96.8, Right Bank, Sacramento River
Site Mile 83.45, Left Bank, Sacramento River
Site Mile 89.6, Left Bank, Sacramento River
Site Mile 95.4, Left Bank, Sacramento River
Site Mile 95.6, Left Bank, Sacramento River

The work appeared to be completed in an acceptable manner and, insofar as could be determined visually, in conformance with the plans and specifications for the project. No deficiencies were noted.

Sincerely yours,

/s/ Clyde E. Shields
Clyde E. Shields, Chief
Construction Branch
Division of Design and Construction

EXHIBIT F

SPKCO-0

28 September 1970

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

Gentlemen:

Reference is made to the joint inspection of 23 September 1970, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project Work (Unit #16), to the State of California for operation and maintenance.

83.45

The flood control work consists of levee setback, bank sloping and placement of stone bank protection on the Sacramento River left bank at Site Miles 61.0, 89.6, 95.4 & 95.6, and right bank at Site Miles 70.4, 71.5, 71.9, 77.0, 77.85, ~~82.45~~, 84.5 & 96.8. A list covering the completed work is inclosed. The work was completed on 23 September 1970 in accordance with Specification No. 3390, Contract No. DACW05-70-C-0008, Drawing No. 50-4-4310.

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 and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway banks contiguous thereto, is transferred as of 23 September 1970 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, Supplements Nos. 122, 123, 124, 127, 128 & 130, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

JAMES H. HIGMAN
Lieutenant Colonel, CE
Acting District Engineer

1 Incl (in dupe)
as stated

Copy furnished:
DWR, ATTN: John Wright

OCE
SPD

cc: Engr-Lev&Chan; Engr-Prog Dev; Valley; F&A(Cordano)

WAIT/pp

COLEMAN

NENSON

HART

HIGMAN

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Units 122, 123, 124, 127, 128, 130

SUMMARY OF SACRAMENTO RIVER BANK PROTECTION PROJECT - UNIT 16, SACRAMENTO

LEFT BANK

<u>SITE MILE</u>	<u>LEVEE SETBACK STATION</u>	<u>L.F.</u>	<u>STONE PROTECTION STATION</u>	<u>L.F.</u>	<u>STONE TOE WALL STATION</u>	<u>L.F.</u>
61.0			34+00 to 43+00	900	34+00 to 35+40	140
89.6			0+00 to 5+00	500		
95.4			10+00 to 18+00	800		
95.6			0+00 to 6+57	657		

83.45 ←

RIGHT BANK

70.4			-0+25 to 1+00	125	-0+25 to 1+00	125
71.5			45+00 to 64+00	1900	51+80 to 52+20	40
					59+30 to 60+83	153
71.9			34+00 to 41+00	700		
77.0			166+00 to 172+00	600		
77.85			130+00 to 133+00	300		
83.45			491+61 to 481+93	968		
84.5			0+00 to 7+45	745	1+78 to 5+90	312
96.8	9+00 to 16+00	700	9+00 to 15+00	600		

*Units 122, 123, 124,
127, 128, 130*

SPKCO-0

15 September 1970

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

Gentlemen:

Reference is made to the joint inspection on 4 September 1970, made for the purpose of transferring one completed rock revetment site on the east levee of the Yolo Bypass to the State of California for operation and maintenance. The site starts on the east levee upstream from the Sacramento Bypass and runs upstream for a distance of 10,515 feet.

The work consists of 6,170 feet of rock revetment and was completed on 1 September 1970 in accordance with Specification No. 3769, Contract No. DACW05-70-C-0111, and Drawing No. 50-4-4529 Sacramento River Major & Minor Tributaries Flood Control Project, which was authorized by the Flood Control Act of 22 December 1944 (Public Law 534, 78th Congress, 2nd Session).

The above flood control work now meets the requirements of the Sacramento River Major & Minor Tributaries Flood Control Project. Therefore, said flood control work together with the waterway banks contiguous thereto, are transferred, as of 1 September 1970, to the State of California for operation and maintenance. This portion of the project work will be added by amendment to the Operation & Maintenance Manual, Supplement No. 122, Sacramento River Flood Control Project, and furnished to your office at a later date.

Sincerely yours,

JAMES H. HIGMAN
Lieutenant Colonel, CE
Acting District Engineer

Copy furnished:
Dept Water Resources
O.C.E.
S.P.D.

cc:
Engr Div-Lev & Chan
Engr Div-Prog Dev

Valley Res Ofc
F&A (Cordano)

Copies to me.
ENGR
+ ALICE HUBER

17 SEPT 10 1970

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WALT/pp
COLEMAN

HENSON

HIGMAN

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THE RECLAMATION BOARD
STATE OF CALIFORNIA

DEC 24 1968

4130.55.605

District Engineer
Corps of Engineers
U. S. Army
650 Capitol Mall
Sacramento, California 95814

Dear Sir:

Reference is made to your letter of November 22, 1968 concerning transfer to the State of California of the Sutter and Yolo Bypass Levee Revetment Project, Sites 1, 2, 3 and 4 for maintenance and operation.

This work was constructed in accordance with Specification No. 3492, Contract No. DACW05-C-0077, Drawing No. 50-4-4393.

The Reclamation Board, at its meeting of December 20, 1968, formally accepted the above referred to work for operation and maintenance.

Sincerely yours,

/s/ A. E. McCOLLAM
A. E. McCOLLAM
Chief Engineer and
General Manager

EXHIBIT F

SPKCO-0

22 November 1968

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

Gentlemen:

Reference is made to the joint inspection of 21 November 1968, made for the purpose of transferring four completed rock revetment sites to the State of California for operation and maintenance. This work consists of two sites on the Yolo Bypass east levee and one site each on the Sutter Bypass east and west levees, as delineated on the attached inclosure. The work was constructed as part of the Sacramento River Major and Minor Tributaries Flood Control Project and completed on 5 November 1968, in accordance with Specification No. 3492, Contract No. DACW05-68-C-0077, Drawing No. 50-4-4393.

The work was performed under the general authority of the Flood Control Act of 22 December 1944 (Public Law 534, 78th Congress, 2nd Session) and now meets the requirements of the Sacramento River Major and Minor Tributaries Flood Control Project. Therefore, said work, together with waterway banks contiguous thereto, 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, Supplement Nos. 122, 129 and 135, Sacramento River Major and Minor Tributaries Flood Control Project, and furnished to your office at a later date.

Sincerely yours,

1 Incl
As stated

CRAWFORD YOUNG
Colonel, CE
District Engineer

[Signature]
ROMPALA/jmc

[Signature]
COLEMAN

[Signature]
HENSON

[Signature]
HART

[Signature]
YOUNG

- CF:
- DWR
- OCE
- SPD

CERTIFIED MAIL

cc: Engrg Div (Lev & Chan); Engrg Div (Prog Dev); Valley; F&A(Cordano)
RETURN RECEIPT REQUESTED

copy to Jensen & Huber 25 NOV 68/K

Units 122, 129, 135

[Handwritten initials]
22
HK

SUMMARY OF SACRAMENTO RIVER MAJOR & MINOR TRIBUTARIES PROJECT
CONTRACT NO. 68-C-0077

YOLO BYPASS LEFT BANK:

SITE	STONE PROTECTION STATION	LINEAL FEET	DESCRIPTION
1.	102+00 to 116+00	1400 feet	1.8 mile upstream from Sacramento Bypass
2.	254+00 to 316+00	*6030 feet	Downstream from State Highway 16

SUTTER BYPASS RIGHT BANK:

3.	426+43 to 481+50	5507 feet	Downstream from Karnak Pump
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SUTTER BYPASS LEFT BANK:

4.	0+00 to 3+60	360 feet	Near Gilsizer Slough
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*170 feet by others

Units 122, 129, 135

C
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THE RECLAMATION BOARD
STATE OF CALIFORNIA

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Dec 21 1967
4130.55.604

District Engineer
Corps of Engineers
U. S. Army
650 Capitol Mall
Sacramento, California 95814

Dear Sir:

Reference is made to your letter of November 28, 1967 concerning transfer to the State of California of three completed rock revetment sites on the east and west levees of the Yolo Bypass, in accordance with Specification No. 3418.

The Reclamation Board, at its meeting of December 15, 1967, formally accepted the above referred to work for operation and maintenance.

Sincerely yours,

/s/ A. E. McCollam
A. E. McCOLLAM
Chief Engineer and General
Manager

EXHIBIT F

C
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THE RECLAMATION BOARD
State of California

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Y

December 8, 1967
4130.60.202

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

Dear Sir:

Reference is made to your letter of November 17, 1967 concerning transfer to the State of California of revegetation portion of the Sacramento River Bank Protection Project, Unit 5A, in accordance with Specification No. 3429.

The Reclamation Board, at its meeting of December 1, 1967, formally accepted the above referred to work for operation and maintenance.

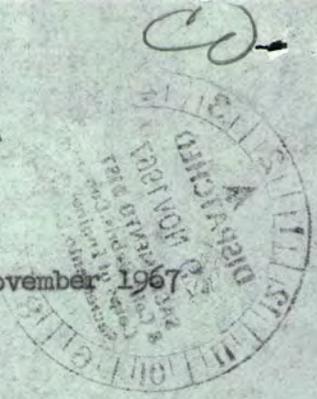
Sincerely yours,

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

EXHIBIT F

SPKKO-F

28 November 1967



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

Gentlemen:

Reference is made to the joint inspection on 21 November 1967, made for the purpose of transferring three completed rock revetment sites on the east and west levees of the Yolo Bypass, to the State of California for operation and maintenance. The first site starts on the east levee, 3.0 miles upstream from the Sacramento Bypass and runs upstream for a distance of 8,000 feet. The second site starts on the east levee, 2,100 feet upstream from Interstate 80 and runs downstream for a distance of 1,220 feet. The third site starts on the west levee, 0.9 mile upstream from Liberty Farms headquarters and runs downstream 5,640 feet.

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The work was completed on 21 November 1967, in accordance with Specification No. 3418, Contract No. DACW05-67-C-0082, and Drawing No. 50-4-4348. This work was performed under the general authority of the Sacramento River Major & Minor Tributaries Flood Control Project, which was authorized by the Flood Control Act of 22 December 1944 (Public Law 534, 78th Congress, 2nd Session).

WAIT/jmc

The above Flood Control work now meets the requirements of the Sacramento River Major & Minor Tributaries Flood Control Project. Therefore, said flood control work together with the waterway banks contiguous thereto, are transferred to the State of California for operation and maintenance.

COLEMAN
HENSON

This portion of the project work will be added by amendment to the Operation & Maintenance Manual, Supplement Nos. 109, 116 & 122, Sacramento River Flood Control Project, and furnished to your office at a later date.

YOUNG

Sincerely yours,

CRAWFORD YOUNG
Colonel, CE
District Engineer

Units
109, 116,
122

30

Copy furnished:
Dept Water Resources

O.C.E. & SPD

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

cc: Engr Div-Lev & Chann;
Engr Div-Prog Dev;

Valley
F&A(Cordano)

to draw # 5PEC

W
#14
Sample
File

SPKKG-F

17 November 1967

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

Gentlemen:

Reference is made to the joint inspection of 14 November 1967, made for the purpose of transferring the levee re-vegetation portion of the Sacramento River Bank Protection work (Unit 5A), to the State of California for maintenance.

This levee re-vegetation consisting of planting groups of trees and shrubs on the Sacramento River right bank slope and berm between Site Mile 63.8 and Site Mile 66.0 was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session; and Section 2304(a)(1), Title 10. The work was completed on 15 November 1967, in accordance with Specification No. 3429, Contract No. DACW05-67-C-0052, Drawing No. 6-4-2095 and accordingly, is transferred to the State of California for maintenance.

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement No. 122, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

[Signature]
ROMPALA/jmc

[Signature]
COLEMAN

[Signature]
HENSON

CRAWFORD YOUNG
Colonel, CE
District Engineer

[Signature]
HART

Copy furnished:
Dept Water Resources
OCE
SPD

cc: Engr-Lev&Chan
Engr-Prog Dev
Valley
F&A (Cordano)

Unit 122

[Signature]
YOUNG
[Signature]
117

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

THE RECLAMATION BOARD

ROOM 1335, RESOURCES BUILDING, 1416 9TH STREET • SACRAMENTO 95814

Major & minor



- STANLEY W. KRONICK, *President*
- J. J. MADIGAN, *Vice President*
- WALLACE McCORMACK, *Secretary*
- GEORGE W. NICKEL, JR.
- HAROLD J. O'BANION
- H. TERRILL SARTAIN
- DONALD L. WEILER
- COL. A. E. McCOLLAM, *General Manager*

DEC 9 1966

Refer to: 4130.55.603
Contract 66-134

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

Dear Sir:

Reference is made to your letter of November 29, 1966 concerning transfer to the State of California of the Bypass Levee Revetment, East Levee Yolo Bypass, Sites I and II, in accordance with Specification No. 3330.

The Reclamation Board, at its meeting of December 1, 1966, formally accepted the above referred to work for operation and maintenance.

Sincerely yours,

A. E. McCollam
A. E. McCOLLAM
General Manager

JHMacC:pa

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Units 5116, 122

THE RECLAMATION BOARD

ROOM 1335, RESOURCES BUILDING, 1416 9TH STREET • SACRAMENTO 95814

STANLEY W. KRONICK, *President*J. J. MADIGAN, *Vice President*WALLACE McCORMACK, *Secretary*

GEORGE W. NICKEL, JR.

HAROLD J. O'BANION

H. TERRILL SARTAIN

DONALD L. WEILER

COL. A. E. McCOLLAM, *General Manager*

DEC 1 1966

Refer to: 4130.60.103A
Contract No. 66-146

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

Dear Sir:

Reference is made to your letter of October 26, 1966 concerning transfer to the State of California of the Sacramento River Bank Protection Project, Unit No. 6A, Sites Mile 39.5 and 65.5 right bank, in accordance with Specification No. 3353.

The Reclamation Board, at its meeting of November 17, 1966, formally accepted the work completed at Site Mile 65.5 and transferred it to Reclamation District No. 537 for operation and maintenance. The work completed at Site Mile 39.5 was accepted and transferred to Reclamation District No. 150 for operation and maintenance with the provision that the cottonwood trees left standing within the limits of the rock slope protection be removed.

Sincerely yours,

A. E. McCOLLAM
General Manager

JHMacC:pa

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Unit 112, 122

29 November 1966

C
O
P
Y

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

Gentlemen:

Reference is made to the joint inspection on 22 November 1966, made for the purpose of transferring two completed rock revetment sites to the State of California for operation and maintenance. This rock revetment work was placed on the east levee of the Yolo Bypass at two sites. One site starts at the Sacramento Bypass and runs for a distance of 5,800 feet to the S.P. Railroad. The other site starts 2.2 miles upstream from the Sacramento Bypass and runs for a distance of 6,380 feet.

The work was completed on 4 November 1956, in accordance with Specification No. 3330, Contract No. DA-04-167-CIVENG-66-134, and Drawing No. 50-4-4214. This work was performed under the general authority of the Sacramento River Major and Minor Tributaries Flood Control Project, which was authorized by the Flood Control Act of 22 December 1944 (Public Law 534, 78 Congress, 2nd Session).

The above Flood Control work now meets the requirements of the Sacramento River Major and Minor Tributaries Flood Control Project. Therefore, said flood control work is hereby 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, Supplement Nos. 116 and 122, Sacramento River Flood Control Project, and furnished to your office at a later date.

Sincerely yours,

T. S. MEADE
Lieutenant Colonel, CE
Acting District Engineer

EXHIBIT F

26 October 1966

SPKID-F

*Transfer file
S.O. Bank Pool*

The Reclamation Board
State of California
1416 - 9th Street, Room 1336
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection of 19 October 1966, made for the purpose of transferring a portion of the Sacramento River Bank Protection work to the State of California for operation and maintenance.

The flood control work consisted of 2,460 feet of bank sloping and placement of bank protection on Sacramento River, Site Mile 39.5, right bank and miscellaneous ramps, gates and ditches at Site Mile 65.5, right bank. The work was completed on 7 October 1966, in accordance with Specification No. 3353, Contract No. DA-04-167-CIVENG-66-146, Drawing No. 50-4-4287.

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.

This completed flood control work now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said 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, Supplement Nos. 112 and 122 Part No. 1, Sacramento River Flood Control Project, and furnished your office at a later date.

Sincerely yours,

Unit 112, 122

CRAWFORD YOUNG
Colonel, CE
District Engineer

JFK for
COLEMAN/KO-F/PP
[Signature]
HENSON/KO
[Signature]
HART/VA
~~LEA/VA~~

Copy furnished:
Dept Water Resources
OCE & SPD

CERTIFIED MAIL

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

for YOUNG/VE
[Signature]
26

RETURN RECEIPT REQUESTED

THE RECLAMATION BOARD

RESOURCES BUILDING, 1416 9TH STREET • SACRAMENTO 95814



STANLEY W. KRONICK, *President*
J. J. MADIGAN, *Vice President*
WALLACE McCORMACK, *Secretary*
GEORGE W. NICKEL, JR.
HAROLD J. O'BANION
H. TERRILL SARTAIN
DONALD L. WEILER
COL. A. E. McCOLLAM, *General Manager*

JUN 21 1966

Refer to: 4130.60.202

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

Dear Sir:

Reference is made to the Sacramento River Bank Protection Project, Unit No. 5, Specification No. 3025, to your letter of May 27, 1966 and to our letter of acceptance dated February 18, 1966.

The completion of work on the irrigation pumps associated with the above project has been completed satisfactorily. This eliminates the condition imposed in our acceptance of this project as stated in our letter of February 18, 1966.

It is understood that additional work involved in this area will be accomplished by means of Sacramento River Bank Project Project, Unit No. 6-A.

Sincerely yours,

A handwritten signature in cursive script that reads "A. E. McCollam".

A. E. McCOLLAM
General Manager

JHMacC:pa

Unit 122

27 May 1966

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

Gentlemen:

UNIT 5

Reference is made to the joint inspection made on 27 May 1966, and to our letter dated 4 January 1966, pertaining to the Sacramento River Bank Protection Project, for the purpose of transferring this work, upon completion, to the State of California for operation and maintenance.

The remaining work on the six pumps at Stations 104+12, 96+21, 110+57, 115+48, 122+09 and 145+41 was completed on 23 May 1966, in accordance with Specification No. 3025, Contract No. DA-04-167-CIVENG-65-132 and Drawing No. 50-4-3756.

The work was performed under the general authority of the Sacramento River Bank Protection Flood Control Act of 1960, 86th Congress, 2nd Session, Section 2304(a)(17), Title 10, U.S.C.A.

The flood control work as described above 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.

Sincerely yours,

ROBERT E. MATHE
 Colonel, CE
 District Engineer


 COLEMAN/P


 HENSON


 MATHE

Copy furnished:
 Dept Water Resources

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

cc: Lev&Chan
 Prog Dev
 Valley Res
 F&A (Cordano)

CERTIFIED MAIL
 RETURN RECEIPT REQUESTED

Unit 122
 hr
 MATHE
 hr

C
O
P
Y

THE RECLAMATION BOARD
State of California
February 18, 1966

C
O
P
Y

District Engineer
Corps of Engineers
U. S. Army
650 Capitol Mall
Sacramento, California 95814

Dear Sir:

Reference is made to your letter of January 4, 1966 concerning transfer to the State of California of the Sacramento River Bank Protection Project, Contract No. 5 Monument Bend to Sacramento Weir, Right Bank, in accordance with Specification No. 3025.

The Reclamation Board, at its meeting of February 17, 1966, formally accepted the above referred to work for operation and maintenance

This work was accepted with the condition that the irrigation facilities presently incompleted must be operable before the beginning of the 1966 irrigation season.

Sincerely your,

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

4 January 1966

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

Gentlemen:

Reference is made to the joint inspection made on 21 December 1965, of flood control work pertaining to the Sacramento River Bank Protection Project, for the purpose of transferring this work, upon completion, to the State of California for operation and maintenance.

The flood control work, consisting of levee enlargement, levee set-back, shaping and placement of bank protection on the right bank of the Sacramento River from Monument Bend to the Sacramento Weir, as listed on the attached inclosure, was completed on 22 December 1965, with the exception of the installation of six pumps at Stations 104+12, 96+21, 110+57, 115+48, 122+09 and 145+41, in accordance with Specification No. 3025, Contract No. IA-04-167-CIVENG-65-132, and Drawing No. 50-4-3756.

cont 5

The work was performed under the general authority of the Sacramento River Bank Protection Flood Control Act of 1960, 86th Congress, 2nd Session, Section 2304(a)(17), Title 10 U.S.C.A.

The flood control work as described on the attached inclosure now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said flood control work, together with the waterway banks contiguous thereto are transferred to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation & Maintenance Manual, Supplement No. 122, Part No. 1, Sacramento River Flood Control Project, and furnished your office at a later date.

Sincerely yours,

Xdm
MORGAN/jl

[Signature]
COLEMAN

ROBERT E. MATHE
Colonel, CE
District Engineer

[Signature]
HENSON

[Signature]
HART

~~1 Incl
Summary Sheet~~

~~Copy furnished:
Dept Water Resources~~

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

CERTIFIED MAIL

RETURN RECEIPT REQUESTED

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

[Signature]
MATHE

SUMMARY OF SACRAMENTO RIVER BANK PROTECTION
 MONUMENT BEND TO SACRAMENTO RIVER -- RIGHT BANK
 SITE MILE 63.4 to 67.0

<u>LEVEE ENLARGEMENT</u>	<u>LINEAL FEET</u>	<u>LEVEE SETBACK</u>	<u>LINEAL FEET</u>	<u>BANK SLOPING</u>	<u>LINEAL FEET</u>	<u>STONE PROTECTION</u>	<u>LINEAL FEET</u>
-0+34 to 31+50	3,184	31+50 to 146+00	11,450	6+30 to 13+00	670	6+30 to 13+00	670
146+00 to 153+00	800			152+50 to 155+20	270	-0+34 to 25+25	2,559
						34+00 to 155+20	12,120

15,349

Unit 28

STANLEY W. KRONICK, SACRAMENTO

PRESIDENT

GROVER SHANNON, YUBA CITY

VICE PRESIDENT

J. J. MADIGAN, CHICO

SECRETARY

EDMUND G. BROWN
GOVERNOR

THE RECLAMATION BOARD

OF THE

STATE OF CALIFORNIA

1215 O STREET

SACRAMENTO 14, CALIFORNIA

TELEPHONE: HI 5-4711

MAX S. VANN, SR., WILLIAMS

WALLACE MCCORMACK, RIO VISTA

GEORGE W. NICKEL, JR., LOS BANOS

HAROLD J. O'BANION, DOS PALOS

BOARD MEMBERS

A. N. MURRAY

GENERAL MANAGER AND CHIEF ENGINEER

January 24, 1961

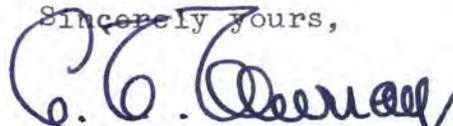
District Engineer
Sacramento District
U. S. Corps of Engineers
P. O. Box 1739
Sacramento, California

Dear Sir:

Reference is made to your letter of December 29, 1960, File SPKKO-C, regarding transfer to the State of emergency levee repair work on the right bank, Sacramento River at Marty's Bend in the vicinity of River Mile 66.6.

The Reclamation Board, at its meeting of January 19, 1961, formally accepted this levee section for operation and maintenance.

Sincerely yours,



A. N. MURRAY

General Manager and Chief Engineer

HSH:ED

Unit 122

Emergency Repair Work

LHK: pnp

SPKRO-C

29 DEC 1960

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

Gentlemen:

Reference is made to emergency repair work on the Sacramento River Flood Control Project on the right bank of the Sacramento River at Marty's Bend in the vicinity of River Mile 66.6.

The emergency repair work was completed under the general authority of Public Law 99, 84th Congress, 1st Session, and consists of a set-back levee constructed in accordance with Specification No. 2715, Contract No. DA-04-167-CIVESKI-61-45 and Drawing No. 50-4-3678.

The above work as completed is hereby transferred to the State of California for operation and maintenance and now becomes the project levee replacing the levee reach in this area transferred to the State on 2 December 1951.

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

Sincerely yours,

M. R. BITTIKOPFER
Lt Colonel, CE
Acting District Engineer

Copy furnished:
Dept Water Res.
23rd & "R" Sts.
Sacto, Calif.

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

cc: Engr Divn - Levees & Channels
Engr Divn - Program Dev. Br.
Northern Area Office

Unit 122

Concurrences	
Originator	LK
Date:	12/29/60
Dist. Engr.	
Asst. D.E. (A)	
Asst. D.E. (O)	3 MB
Exec. Asst.	
Comptroller	
Budget Fin. & Acctg.	
Mgmt.	
Project Office Service Construction Operations	
Engineering	
R. E.	
Plan.	
Legal	
Supply	
Design	10/8
Levees	4

CREATIONS BRANCH
CHANNELS & LEVEES SECTION

A. R. GALLAWAY, JR., SACRAMENTO
PRESIDENT

GROVER SHANNON, YUBA CITY
VICE PRESIDENT

GEO. H. HOLMES, CLARKSBURG
SECRETARY

W. P. HARKEY, GRIDLEY
GEO. R. WILSON, WALNUT GROVE
GEO. E. LODI, ARBUCKLE
DOUGLAS B. COHEN, BANTA

GOODWIN J. KNIGHT
GOVERNOR

THE RECLAMATION BOARD
OF THE
STATE OF CALIFORNIA
1215 O STREET
SACRAMENTO 14, CALIFORNIA
TELEPHONE: HI 8-4711

A. M. BARTON
CHIEF ENGINEER AND GENERAL MANAGER
EDMUND G. BROWN, ATTORNEY GENERAL
LEGAL ADVISER
HOWARD S. HITCHCOCK
ASSISTANT CHIEF ENGINEER
WILLIAM A. CARVER
ASSISTANT SECRETARY
ROBERT W. JAMES
ASSOCIATE COUNSEL

December 18, 1958

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

Gentlemen:

Reference is made to your letter of July 18, 1958, file number SPKKO-P 824.3 (Sac. Riv. F.C.P.), regarding the responsibility for operation and maintenance of the levee section listed as unit No. 624 and located on the right bank of the Sacramento River extending from Mile 66.9 to Mile 68.3, together with the waterway bank contiguous thereto.

The Reclamation Board at its meeting of August 6, 1958, formally accepted the maintenance responsibility for the above described area described in the first, second, and third paragraphs of your letter under the conditions outlined in your letter.

Yours very truly,

THE RECLAMATION BOARD
A. M. BARTON
Chief Engineer and General Manager

By William A. Carver
WILLIAM A. CARVER
Assistant Secretary

WAC:lb

Unit 122

WBH

SMWCO-P 624.3 (Sac. Riv. F.C.P.)

18 JUL 1958

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

Gentlemen:

Reference is made to the District engineer's letter dated 2 June 1958 suggesting a joint inspection of a certain levee section pertaining to the Sacramento River Flood Control Project for the purpose of transferring it to the jurisdiction of the State of California for operation and maintenance. Reference is also made to the joint inspection of this levee section made on 12 June 1958.

The required work on the levee section referred to above was completed on 15 July 1958 in accordance with Specification No. 1325, Contract No. SA-04-167-CIV-20-56-13 and Drawing No. 50-4-3095. This levee section is listed as unit No. 624 and is located on the right bank of the Sacramento River extending from mile 66.9 to mile 68.3.

The levee section described above now meets the requirements of the Sacramento River Flood Control Project; therefore said levee section, together with the waterway bank contiguous thereto, is 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, included here-with, 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 by the current issue of the Standard Operation and Maintenance Manual for the Sacramento River Flood Control Project. As provided under paragraph 68.10(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.

Unit 624

Posted
Unit 122

18 JUL 1958

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

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

Sincerely yours,

1 Incl
F.C. Reg.

Copy furnished:
Dept of Water Resources
Sacramento, Calif. w/o incl
O.G.S. w/o incl
Sacramento w/o incl

BRUCE W. REAGAN
Lt Col, CE
Acting District Engineer

cc: Engr Divn w/o incl
Northern Area w/o incl
Ops Branch w/o incl

Unit 122

GALLAWAY, JR., SACRAMENTO
PRESIDENT
ER SHANNON, YUBA CITY
VICE PRESIDENT
H. HOLMES, CLARKSBURG
SECRETARY
HARKEY, GRIDLEY
R. WILSON, WALNUT GROVE
E. LODI, ARBUCKLE
GLAS B. COHEN, SANTA

EARL WARREN
GOVERNOR

THE RECLAMATION BOARD
OF THE
STATE OF CALIFORNIA
1100 O STREET
SACRAMENTO 14, CALIFORNIA
TELEPHONE: GI 3-4671

154
A. M. BARTON
CHIEF ENGINEER AND GENERAL MANAGER
EDMUND G. BROWN, ATTORNEY GENERAL
LEGAL ADVISER
G. F. MELLIN
ASSISTANT ENGINEER AND APPRAISER
S. A. HONAKER
ASSISTANT SECRETARY

January 11, 1954

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

Dear Sir:

Reference your letter, File No. SPKKO-P 824.3
(Sac. Riv. F.C.P.) dated 3 Aug 1953, wherein a section
of levee located along the westerly bank of the Sacramento
River, from Mile 65.9 to 66.4, in Reclamation District
No. 537, Yolo County, was transferred to the State of
California.

The Reclamation Board, on behalf of the State of
California, in meeting held August 5, 1953, accepted subject
section of levee for operation and maintenance.

Yours very truly

THE RECLAMATION BOARD
A. M. BARTON
Chief Engineer and General Manager

By Donald D. Lemmon
DONALD D. LEMMON
Assistant Secretary

DDL:emw

cc: State Engineer

Unit No. 368

Unit 22

Letter No. (33)

208

824.3 (Sac. Riv.)

REGISTERED MAIL
Return Receipt
Requested

SPKHO-P 824.3 (Sac. Riv. F.C.P.)

3 AUG 1953

CdeARRIETA

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

Gentlemen:

Reference is made to District Engineer's letter dated 28 July 1953, wherein a date for a joint inspection was set for the purpose of transferring to the jurisdiction of the State of California, when completed, a section of levee under construction covered under the Sacramento River Flood Control Project located along the westerly bank of the Sacramento River, from Mile 65.9 to 66.4, in Reclamation District No. 537, Yolo County, California. Reference is also made to joint inspection made of this levee on 28 July 1953.

The construction of the levee referred to above has been completed on 31 July 1953 in accordance with Specification No. 1796, Drawing File No. 50-4-2967 under Contract No. DA-01-167-eng-1023. This levee forms an integral part of the Sacramento River Flood Control Project, therefore said levee section, together with the waterway bank contiguous thereto, is hereby transferred to the State of California for operation and maintenance.

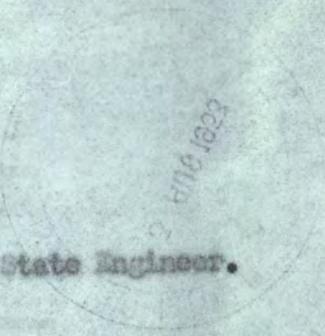
The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing Flood Control Regulations, inclosed herewith, which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress, approved 22 June 1936, as amended and supplemented. As provided under Paragraph 208.10 (10) of these regulations, a maintenance manual covering this section of levee is in process of preparation and will be furnished to you upon completion.

Unit # 368

Letter No. 45

Unit 122
Emergency Work
Section 149

SPRNO-P 821.3 (Sac. Riv. P.C.P.)
The Reclamation Board



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

FOR THE DISTRICT ENGINEER:

Sincerely yours,

- 1 Incl
- 1. Flood Control Regulations

EARL G. PEACOCK
Lt Col, CE
Executive Officer

Copy Furnished:
The State Engineer
Department of Public Works

Chief of Engineers
Department of the Army

Division Engineer
South Pacific Division

Engr. Div.
Sacto. Projs. Ofc.
C. DeArrieta (2)

Unit 122

This copy was furnished on 24 Feb. 1953 B. de A.

Accepted Items

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.

No.	Date of Letter	Levee Location	Remarks
1-2	1 Dec. 1951	N. and S. Training* Levees Moulton Weir*	Maintained by State
3-4	Do	N. and S. Training* Levees Colusa Weir*	Maintained by State
6	3 Dec. 1951	W. Levee Sacramento River, Mile 177.5 Mile 174.1	Maintained as Maintenance Area No. 2
9	4 Dec. 1951	E. Levee Yolo By-pass Fremont* Weir to Miner Slough*	N. 2 mi. maintained by State. Remainder by local districts. Conditioned upon completion of levee section and no acceptance of banks of Sacramento Deep Water Channel.
10 11	Do	N.&S. Levees Sacra- mento By-pass*	Maintained by State. Waterward slopes on 4 to 1 not required.
21a	6 Dec. 1951	Back levee Egbert District*	Maintained by R. D. No. 536
22	6 Dec. 1951	W. Levee Yolo By-pass Lindsey* Slough to Watson Hollow Drain*	Maintained by R. D. No. 536
24	Do	N. Levee Watson Hollow Drain*	Do
16	6 Dec. 1951	W. Levee Sacramento River Mile 59.0 to Lake Wash- ington Barge Canal	Maintained by R. D. No. 900
18	Do	W. Levee Sacramento Riv. Mile 50.8 to 50.5	Bank protection contract. Maintained by R. D. No. 765

Copy to USED.

1 21b

Accepted Items

No. Date of Letter

Levee Location

Remarks

6 6 Dec. 1951

Levees of Wadsworth Canal*
South levees of E. and W.
Intercepting Canals.

Maintained by State. Water-
ward slopes on 4 to 1 not
required.

(12) (13) (14) (15)

7 7 Dec. 1951

Site 2 Part A. W. Levee
Sacramento River-Mile
28.5 -Grand Island.

Maintained by R.D. No. 3.
Completed contract.

= 329

(87-A)

= 331

(89-A)

Site 1, Part B. E. levee
Sacramento River-Mile 15.0
Brannan Island.

Maintained by R.D.No. 2067
Completed contract.

8 8 Dec. 1951

W. levee Sacramento River
Mile 163.8 to Mile 143.5
except 320 ft. at Colusa
Warehouse & Mile 146.1
to Mile 146.4.

Maintained as Maintenance
Area No. 1.

(51) (52) (53) (54) (55) (56) (57)

8 Do

E. levee Sacramento River,
Mile 153.3 to Mile 152.7;
Mile 149.9 to Mile 149.7;
Mile 149.4 to Mile 149.0;
at Colusa Weir; Mile 143.3
to Mile 140.2; Mile 139.3
to Mile 138.2.

Maintained by State
Separate completed contracts.

(58) (59) (60) (61) (62) (63)

8 Do

E. levee Sacramento River
Mile 138.2 to Mile 137.9;
Mile 136.9 to Mile 133.8;
Mile 133.2 to Mile 132.3;
Mile 131.8 to Mile 125.9;
Mile 125.8 to Mile 123.1;
Mile 122.6 to Mile 122.0.

Maintained by R.D.No. 70,
Completed contracts.

(64) (65) (66) (67) (68) (69) (70)

8 Do

West levee, Sutter By-pass*

Maintained by R.D.Nos. 70,
1660, 1500. Condition upon
completion of remaining
part to standard section.

(71) (72) (73)

8 Do

North levee Tisdale
By-pass†

Maintained by R.D.No. 1660.
Waterward slope of 4 to 1
not required.

(74)

8 Do

South levee Tisdale
By-pass†

Maintained by R.D.No. 1500.
Waterward slope of 4 to 1
not required.

(75)

8 Do

East levee Sutter
By-pass*.

Maintained by State.

(76)

9 Do

W. levee Sacramento River
Mile 35.15 to 35.86.

Maintained by R.D.No. 150
(Merritt Island). Completed
contract bank protection.

(81)

21
2

Accepted Items

No.	Date of Letter	Levee Location	Remarks
(91) 10	8 Dec. 1951	Cross levee Steamboat Slough to Sacramento River.*	Maintained by R.D. No. 3 (along U.S.spoil bank).
(140) 11	Do	N. levee American River from Jibboom St. Bridge to Sacramento River.	Maintained by R.D. No. 1000.
(141) 11	Do	E. levee Sacramento River American River to Natomas Cut.	Maintained by R.D.No. 1000.
(142) 11	Do	E. bank Sacramento River At Moulton Weir.	Maintained by State.
(143) 11	Do	E. Levee Sacramento River Mile 158.5 to Mile 164.4.	Maintained partly by State; remainder by Levee District.No. 3, Glenn County, Completed Contract.
(146) 11	Do	W. levee Sacramento River Mile 61.8 to Mile 62.65.	Maintained by Maintenance Area No. 4. Completed contract.
(147) 11	Do	W. Levee Sacramento River Mile 62.65 to Mile 63.1.	Maintained by R.D. No. 537 Completed contract.
(148) 11	Do	Sacramento Weir.	Maintained by State.
(152) 11	Do	Fremont Weir.	Maintained by State.
(153) (156) (157) 11	Do	W. Levee Sacramento River Mile 87.6 to Mile 88.4; Mile 89.2 to Sycamore Slough	Maintained by R.D. No. 730 Completed contracts.
(158) 11	Do	W. Levee Sacramento River Mile 100.6 to Mile 101.4	Maintained by Sacramento River West Side Levee District. Completed contract.
(160) (161) (162) (163) 11	Do	W. Levee Feather River except: 3.31 Mi. 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.
(164) 11	Do	E. Levee Sacramento River, Natomas Cut to Feather River	Maintained by Recl.Dist.No.1001.
(165) (166) (167) (168) (169) (170) 11	Do	E. Levee Feather River from mouth to Mile 26.5, except from 2.37 miles of Nicolaus Bridge to Bear River	Maintained by R.D. Nos. 1001 and 784.

Accepted
Items

5

<u>No.</u>	<u>Date of Letter</u>	<u>Levee Location</u>	<u>Remarks</u>
(171) (172) 11	8 Dec. 1951	Marysville levees from W.P.R.R. at Simmerly Slough E. to Yuba River and from D St. Bridge on Yuba River upstream to Valley Meat Co.	Maintained by Marysville Levee Commission.
(173) (174) 11	Do	N. Levee Simmerly Slough from W.P.R.R. to S.P.R.R. and E. Levee Feather River from Simmerly Slough upstream 4.8 miles	Maintained by R.D. No. 10 Completed contract.
(175) 11	Do	N. Levee Yuba River from back levee of Marysville upstream 1.8 miles	Maintained by Marysville Levee Commission.
(176) 11	Do	S. Levee Yuba River from S.N.R.R. to S.P.R.R.	Maintained by R.D. No. 784.
(177) 11	Do	N. Levee Bear River from Feather River to W.P.R.R. Interceptor	Maintained by R.D. No. 784.
(178) 11	Do	E. Levee R.D. 784 (W. Levee W.P.R.R. Interceptor) Bear River to intersection with W.P.R.R. in S $\frac{1}{2}$ Sec. 17, T. 14 N., R. 4 E.	Maintained by R.D. No. 784.
(179) (180) 11	Do	S. Levee American River from 16th St. Bridge to Mayhew except from S.N.R.R. to a point 800 ft. E. of W.P.R.R.	Maintained by American River Flood Control District.
(181) (182) (183) (184) (185) (186) (187) (188) 11	Do	W. Levee Yolo By-pass from Sacramento* River to Putah Creek except from N. line Cache Cr. Settling Basin to S.N.R.R. & from old Willow Slough pipes south 1.48 mi.*	Maintained by State and R. D. #2035.
(190) 11	Do	N.&S. levees Willow Slough Interceptor*	Maintained by State and R. D. No. 2035.
(191) (192) 11	Do	N.&S. levees of Putah Creek	Maintained by State.
(197) (198) 11	Do	N.&S. levees Sycamore Slough from Sacramento River to Knights Landing Outfall Gates	Maintained by R.D. 730 and Sacramento River West Side Levee District.

(21)

4

Accepted
Items

No.	Date of Letter	Levee Location	Remarks
-----	----------------	----------------	---------

12 8 Dec. 1951

Five reaches of Ryer Island levee along Miner Slough as follows:

a. Junction Miner and Sutter Sloughs westerly 5000 feet.

b. From State Highway Bridge West. 3035 ft.

c. Spec. 1473, Sta. 53+00 to 64+00 about one mi. No. of Ryde Road. *Mile 29.4 to 29.6*

d. Spec. 1473, Sta. 0+00 to 12+00 being 600 ft. each side of Ryde Road. *Mile 30.4 to 30.6*

e. Ryer Island cut-off levee beginning at east bank of Cache Slough and extending upstream 3,300 feet at junction of Cache and Miner Sloughs.

Maintained by R.D. No. 501. All are completed separate contracts.

Covered by letter dated 16 Nov. 1951

321 → (32) (79A) ✓

303 Covered by letter dated

(53A) ✓

304 17 Nov. 1951

(54A) ✓

(23) ✓

(50) ✓

*No waterway banks contiguous to these levees.

REGISTERED MAIL
Return Receipt
Requested

Letter No. 3

3

C. de ARRIETA

SPKHA 924.5(Sac.Riv. F.C.P.)

4 DEC 1951

Refer. Recl. Board letter dated 2 April 1952.

The Board accepted Item No. 9 on 18 Dec. 1951 with the condition that the Federal Gov. complete the enlargement of the levee with no obligation for the State to maintain the banks along the Sacramento Deep Water Channel.

The Board also accepted Items No. 10 and 11 on 18 Dec. 1951, without reservations other than an statement indicating that flatter slopes on this levees are not required.

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

Item No. 9 was previously accepted on 6 June 1951,

Gentlemen:

Reference is made to your letter of 18 May 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:

- Reach No. 32 9 a. Westerly levee of the Yolo Bypass from Fremont Weir to Miner Slough. 127, 126, 121, 120, 119, 109, 107, 105 accepted 6-6-51
- Reach No. 32 10 b. Northerly levee of Sacramento Bypass. 122
- Reach No. 33 11 c. Southerly levee of Sacramento Bypass. 116

The records of this office show that on 6 June 1951 your Board accepted the levee covered by Item a, above as complete. Accordingly, the waterway bank contiguous to said Item a, is hereby transferred to the State of California for maintenance and operation.

The levee covered by Items b, and c, above although complete has not been formally transferred as contemplated by the Project documents. Accordingly, the levee covered by said Items b, and c., 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

Reaches 32 and 33
Items 9 to 11

3

Mile 0 to 50
" 50 to 106

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

Letter No. 3

3

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 206.10(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.

Sincerely yours,

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

G. C. Haug
Colonel, Corps of Engineers
District Engineer

Sac Riv FC Proj.
Pending Transf to
Recl. Bd.

Mrs. Thompson

[Signature]

PSKED-7

FEB 2 1951

*See also
letters dated
16 Feb. 1951. and 18 April 1951
attached.*

The Reclamation Board
1100 "G" Street
Sacramento 14, California

Gentlemen:

Reference is made to letter from this office dated 24 March 1950 in reply to a letter from your Board dated 27 February 1950 concerning surveys to determine the status of levees in the Sacramento River Flood Control Project with a view to transferring those levees in the project that are complete to project standards. It was stated that as surveys progress it was proposed to transfer units of the project found to conform to project standards in order that the provision of State Law regarding maintenance can be placed in effect at the earliest practicable time. Reference is also made to letter dated 26 January 1951 from the Division Engineer, South Pacific Division to the Board involving the foregoing as well as other matters relative to the project.

Pursuant to the above, investigation has been made of those portions of the easterly and westerly levees of Yolo By-pass that were completed between the years 1931 to 1935 and which heretofore have not been turned over formally to your Board for maintenance in accordance with present day practices. The levees under consideration are:

- Unit No. 56A a. Easterly levee of Yolo By-pass from Minor Slough to Yolo Causeway. Covers Map Ref. No. 145-146 and 175. and 174 113, 116
- Unit No. 57A b. Easterly levee of Yolo By-pass from Yolo Causeway to South-ern Pacific Railroad. Covers Map Ref. No. 147 116
- Unit No. 58A c. Easterly levee of Yolo By-pass from Sacramento By-pass to a point approximately 2 miles south of Fremont weir. Covers Map Ref. No. 121-140 and 142 122, 123
- Unit No. 59A d. Westerly levee of Yolo By-pass from a point approximately 109

144 not included, Why not?

Units No. 56A-57A-58A-59A and 60A.

800

PSKNO-P
The Reclamation Board

FEB 2 1951

1 mile north of the Yolo-Solano County line to a point approximately
 $\frac{1}{2}$ mile south of Yolano.
Covers Map Ref. No. 186-188 and portion of 185 which is between 186 and 188.

It is realized that certain features of these levees do not conform to the revision in project standards for Yolo By-pass authorized by the 1944 Flood Control Act, however, it is believed that a distinction should be made in this case between that authorization and the previous legislation known as the "Old" Sacramento Flood Control Project. Those parts of the levee that require additional construction authorized by the 1944 Flood Control Act will be completed to those standards in due course of time.

Maintenance manuals covering these units are in process of preparation and will be furnished your Board upon completion.

Accordingly, the levee units discussed herein are hereby transferred to the State of California for maintenance and operation. Acknowledgment of acceptance at an early date would be appreciated.

Sincerely yours,

G. C. HADG
Lt. Colonel, Corps of Engineers
District Engineer

cc: W. K. South
R. W. Barsdale
Engr.
✓ R. H. Thompson

O.C.E.
Div, Engr.

EXHIBIT G

SUGGESTED SEMI-ANNUAL REPORT FORM

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

(1 May 19__)
(1 November 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,
Supplemental Manual Unit No. 122- Part No. 1; the west levee of Sacramento
River from Mile 70.8 to Sacramento Weir, and north levee of Sacramento
Bypass and east levee of Yolo Bypass from Woodland Highway to Sacramento
Bypass 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 antici-
pated maintenance operations for the following 6 months.)

b. During this report, major high water periods (water level
of Sacramento Weir gage at 29.0 at Woodland Highway at 27.0 and/or 22.0
at west end of north levee of Sacramento Bypass) 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

SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE MANUAL
SACRAMENTO RIVER FLOOD CONTROL PROJECT

UNIT NO. 122 - PART NO. 1

WEST LEVEE OF SACRAMENTO RIVER FROM
MILE 70.8 TO SACRAMENTO WEIR AND
NORTH LEVEE OF SACRAMENTO BYPASS AND
EAST LEVEE OF YOLO BYPASS FROM WOODLAND
HIGHWAY TO SACRAMENTO BYPASS

REVISIONS OR ADDITIONS

ADDITION	DATE
Paragraph 1-04 e. ----- add Contract No. 57-67	Nov. 1963
Paragraph 1-04 f. ----- add Contract No. 58-13	Nov. 1963
Paragraph 1-04 g. ----- add Contract No. 61-45	Nov. 1963
EXHIBIT B ----- add Drawing No. 50-4-3295	Nov. 1963
EXHIBIT B ----- add Drawing No. 50-4-3321	Nov. 1963
EXHIBIT B ----- add Drawing No. 50-4-3678	Nov. 1963

Amc 02

UNIT NO. 122 - PART NO. 1

1-04.

e. Emergency levee repairs, east levee of Yolo Bypass in Reclamation District No. 827 was made under Contract No. DA-04-167-CIVENG-57-67 by An-Nan Construction Company during the period from 8 October 1956 to 31 January 1957, Specification No. 2244, Drawing No. 50-4-3321.

f. Levee construction, right bank Sacramento River, vicinity of Monument Bend, Mile 66.9 to Mile 68.3 was accomplished under Contract No. DA-04-167-CIVENG-58-13 by Basalt Rock Company, Inc. during the period from 18 July 1957 to 15 July 1958, Specification No. 2325, Drawing No. 50-4-3295.

g. Emergency levee construction on right bank Sacramento River, Mile 66.6 was accomplished under Contract No. DA-04-167-CIVENG-61-45 by Arons Building Wrecking Company during the period from 4 November 1960 to 15 December 1960, Specification No. 2715, Drawing No. 50-4-3678.

EXHIBIT B

<u>File No.</u>	<u>Title</u>
50-4-3295	Levee construction, right bank Sacramento River vicinity Monument Bend, in 11 sheets
50-4-3321	Emergency levee construction, east levee Yolo Bypass in R.D. No. 827, in 2 sheets
50-4-3678	Emergency levee construction, right bank Sacramento River, Mile 66.6, in 3 sheets

SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE MANUAL
SACRAMENTO RIVER FLOOD CONTROL PROJECT

UNIT NO. 122 - PART NO. 1

WEST LEVEE OF SACRAMENTO RIVER FROM
MILE 70.8 TO SACRAMENTO WEIR AND
NORTH LEVEE OF SACRAMENTO BYPASS AND
EAST LEVEE OF YOLO BYPASS FROM WOODLAND
HIGHWAY TO SACRAMENTO BYPASS

REVISIONS OR ADDITIONS

ADDITIONS	DATE
* Paragraph 1-04 h. ----- add Contract No. 65-132	July 1966
EXHIBIT B ----- add Drawing No. 50-4-3756	July 1966
EXHIBIT F ----- add copy of letter of accept- ance dated 18 February 1966	July 1966

* This work was performed under the Sacramento River Bank Protection Project authorized by the Flood Control Act of 14 July 1960, Eighty-sixth Congress, Second Session, Senate Document No. 103.

UNIT NO. 122 - PART NO. 1

1-04.

h. Bank protection on the right bank of the Sacramento River from Monument Bend to Sacramento Weir (Mile 67.0 to 63.4) was accomplished under Contract No. DA-04-167-CIVENG-65-132 by Spike Voudouris & Hulse Bros. during the period from 13 May 1965 to 27 May 1966, Specification No. 3025, Drawing No. 50-4-3756 (Unit No. 5).

EXHIBIT B

Title

File No.

50-4-3756 Bank Protection, Right Bank Sacramento River from Monument Bend to Sacramento Weir, in 18 sheets.

C
O
P
Y

THE RECLAMATION BOARD
State of California
February 18, 1966

C
O
P
Y

District Engineer
Corps of Engineers
U. S. Army
650 Capitol Mall
Sacramento, California 95814

Dear Sir:

Reference is made to your letter of January 4, 1966 concerning transfer to the State of California of the Sacramento River Bank Protection Project, Contract No. 5 Monument Bend to Sacramento Weir, Right Bank, in accordance with Specification No. 3025.

The Reclamation Board, at its meeting of February 17, 1966, formally accepted the above referred to work for operation and maintenance

This work was accepted with the condition that the irrigation facilities presently incompleted must be operable before the beginning of the 1966 irrigation season.

Sincerely your,

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

EXHIBIT F

SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE MANUAL
SACRAMENTO RIVER FLOOD CONTROL PROJECT

UNIT NO. 122

WEST LEVEE OF SACRAMENTO RIVER FROM
MILE 70.8 TO SACRAMENTO WEIR AND
NORTH LEVEE OF SACRAMENTO BY-PASS AND
EAST LEVEE OF YOLO BY-PASS FROM
WOODLAND HIGHWAY TO SACRAMENTO BY-PASS

REVISIONS OR ADDITIONS		DATE
ADDITIONS		
Paragraph 1-04 j.-----add Contract No. 66-134		December 1966
EXHIBIT B-----add Drawing No. 50-4-4214		December 1966
EXHIBIT F-----add letter of transfer dated 29 November 1966		December 1966

UNIT NO. 122

1-04.

j. Bank protection on the east levee of Yolo By-pass was accomplished under Contract No. DA-04-167-CIVENG-66-134 by G. T. Construction Company during the period from 10 June 1966 to 4 November 1966. Specification No. 3330, Drawing No. 50-4-4214.

EXHIBIT B

File No.

Title

50-4-4214

By-pass Levee Revetment, East Levee Yolo By-pass, 2.2 to 3.3 miles upstream from Sacramento By-pass and Sacramento By-pass downstream to S.P.R.R., in 8 sheets.

COPY

COPY

SPKKO-F

29 November 1966

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

Gentlemen:

Reference is made to the joint inspection on 22 November 1966, made for the purpose of transferring two completed rock revetment sites to the State of California for operation and maintenance. This rock revetment work was placed on the east levee of the Yolo Bypass at two sites. One site starts at the Sacramento Bypass and runs for a distance of 5,800 feet to the S.P. Railroad. The other site starts 2.2 miles upstream from the Sacramento Bypass and runs for a distance of 6,380 feet.

The work was completed on 4 November 1956, in accordance with Specification No. 3330, Contract No. DA-04-167-CIVENG-66-134, and Drawing No. 50-4-4214. This work was performed under the general authority of the Sacramento River Major and Minor Tributaries Flood Control Project, which was authorized by the Flood Control Act of 22 December 1944 (Public Law 534, 78 Congress, 2nd Session).

The above Flood Control work now meets the requirements of the Sacramento River Major and Minor Tributaries Flood Control Project. Therefore, said flood control work is hereby 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, Supplement Nos. 116 and 122, Sacramento River Flood Control Project, and furnished to your office at a later date.

Sincerely yours,

T. S. MEADE
Lieutenant Colonel, CE
Acting District Engineer

EXHIBIT F

SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE MANUAL
SACRAMENTO RIVER FLOOD CONTROL PROJECT

UNIT NO. 122 - PART NO. 1

WEST LEVEE OF SACRAMENTO RIVER FROM
MILE 70.8 TO SACRAMENTO WEIR AND
NORTH LEVEE OF SACRAMENTO BYPASS AND
EAST LEVEE OF YOLO BYPASS FROM WOODLAND
HIGHWAY TO SACRAMENTO BYPASS

REVISIONS OR ADDITIONS

ADDITIONS	DATE
Paragraph 1-04 k ----- add Contract No. 66-146	June 1967
EXHIBIT B ----- add Drawing No. 50-4-4287	June 1967

UNIT NO. 122 - PART NO. 1

1-04.

k. Levee repairs, right bank of Sacramento River at Mile 65.5 was accomplished under Contract No. DA-04-167-CIVENG-66-146 by James L. Ferry & Son, Contractor, during the period from 27 June 1966 to 5 October 1966. Specification No. 3353, Drawing No. 50-4-4287 (Unit No. 6A).

EXHIBIT B
TITLE

<u>File No.</u> 50-4-4287	Levee Repairs Unit No. 6A, Right Bank Sacramento River at Mile 65.5, in 4 sheets.
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Incl 2'

SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE MANUAL
SACRAMENTO RIVER FLOOD CONTROL PROJECT

UNIT NO. 122 - PART NO. 1

WEST LEVEE OF SACRAMENTO WEIR FROM
MILE 70.8 TO SACRAMENTO WEIR AND
NORTH LEVEE OF SACRAMENTO BYPASS AND
EAST LEVEE OF YOLO BYPASS FROM WOODLAND
HIGHWAY TO SACRAMENTO BYPASS

REVISIONS OR ADDITIONS

ADDITIONS	DATE
Paragraph 1-04 m.----- add Contract No. 67-C-0082	January 1968
EXHIBIT B ----- add Drawing No. 50-4-4348	"
EXHIBIT F ----- add letter of acceptance dated 21 December 1967	

UNIT NO. 122-PART NO. 1

1-04

m. Bank protection east levee of Yolo Bypass was accomplished by Spike Voudouris under Contract No. DACW03-67-C-0082 during the period from 24 May 1967 to 30 November 1967, Specification No. 3418, Drawing No. 50-4-4348.

EXHIBIT B

File No.

Title

50-4-4348

Bypass Levee Revetment East and West Levees Yolo Bypass,
in 7 sheets.

Encl 1'

C
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Y

THE RECLAMATION BOARD
STATE OF CALIFORNIA

C
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P
Y

Dec 21 1967
4130.55.604

District Engineer
Corps of Engineers
U. S. Army
650 Capitol Mall
Sacramento, California 95814

Dear Sir:

Reference is made to your letter of November 28, 1967 concerning transfer to the State of California of three completed rock revetment sites on the east and west levees of the Yolo Bypass, in accordance with Specification No. 3418.

The Reclamation Board, at its meeting of December 15, 1967, formally accepted the above referred to work for operation and maintenance.

Sincerely yours,

/s/ A. E. McCollam
A. E. McCOLLAM
Chief Engineer and General
Manager

EXHIBIT F

SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE MANUAL
SACRAMENTO RIVER FLOOD CONTROL PROJECT

UNIT NO. 122 - PART NO. 1

WEST LEVEE OF SACRAMENTO RIVER FROM
MILE 70.8 TO SACRAMENTO WIER AND
NORTH LEVEE OF SACRAMENTO BYPASS AND
EAST LEVEE OF YOLO BYPASS FROM WOODLAND
HIGHWAY TO SACRAMENTO BYPASS

REVISIONS OR ADDITIONS

	ADDITIONS	DATE
Paragraph 1-04 1 - - - - -	add Contract No. 67-C-0052	January 1968
Add Paragraph 2-05 - - - - -	Levee Re-Vegetation.	January 1968
EXHIBIT B - - - - -	add Drawing No. 6-4-2095	January 1968
EXHIBIT F - - - - -	add letter of acceptance dated 8 December 1967	January 1968

UNIT NO. 122 - PART NO. 1

1-04.

1. Planting of trees and shrubs on the waterside slope and berm along the right bank of the Sacramento River between river miles 64.4 and 65.5 was accomplished under Contract No. DACW05-67-C-0052 by Fairway Landscape Company, during the period from 13 April 1967 to 15 November 1967. Specification No. 3429, Drawing No. 6-4-2095.

2-05. Levee Re-Vegetation.

a. Description. The waterside slope and berm has been planted with trees and shrubs for a total length of about 11,500 feet along the right bank of the Sacramento River between river miles 64.4 and 65.5. For more details, see drawings of EXHIBIT B (Drawing No. 6-4-2095). Aesthetic and functional considerations were requisites in the designing and planting on levee slopes and berms and should be the guide line in the maintenance which follows. Landscaped areas should be maintained as originally planted unless experience indicates a change should be made. Some of the requirements are as follows:

Incl 13

- (1) After each flood season (15 April), the plant basins should be restored to original condition to permit watering until the fall of 1969.
- (2) From May through October of each year until October 1969, watering will be required in an amount to maintain sufficient water in the root zone of trees and shrubs to maintain growing conditions during the growing season.
- (3) Dry grass should be hoed or trimmed in a 5-foot radius around trees and shrubs to maintain a fire guard. In lieu thereof, grass may be controlled by use of contact herbicides.
- (4) Until October 1969, small doses of commercial fertilizer shall be applied to all plantings to maintain vigorous growth.
- (5) Delay pruning until the winter of 1969; after that date lower limbs of the trees shall be removed from the main trunk to a point 5 feet above the ground.
- (6) Tree stakes and ties should be checked at intervals to prevent girdling. The ties should be loosened as the tree expands, or replaced as old ties break. Sufficient looseness should be left in the tie to permit movement and growth of the trees. Remove stakes when the trees no longer need support (probably 1970).
- (7) If some trees expire, replacement will not be necessary as sufficient trees were planted with expectation that some would die.

EXHIBIT B

File No.

Title

Levee Re-Vegetation right bank Sacramento River Mile
65.0, in 2 sheets.

C
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THE RECLAMATION BOARD
State of California

C
O
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Y

December 8, 1967
4130.60.202

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

Dear Sir:

Reference is made to your letter of November 17, 1967 concerning transfer to the State of California of revegetation portion of the Sacramento River Bank Protection Project, Unit 5A, in accordance with Specification No. 3429.

The Reclamation Board, at its meeting of December 1, 1967, formally accepted the above referred to work for operation and maintenance.

Sincerely yours,

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

EXHIBIT F

SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE MANUAL
SACRAMENTO RIVER FLOOD CONTROL PROJECT

UNIT NO. 122 - PART NO. 1

WEST LEVEE OF SACRAMENTO RIVER FROM
MILE 70.8 TO SACRAMENTO RIVER AND
NORTH LEVEE OF SACRAMENTO BYPASS AND
EAST LEVEE OF YOLO BYPASS FROM
WOODLAND HIGHWAY TO SACRAMENTO BYPASS

REVISIONS OR ADDITIONS		DATE
	ADDITIONS	DATE
Paragraph 1-04 n. -----	add Contract No. 68-C-0077	December 1968
EXHIBIT B -----	add Drawing No. 50-4-4393	December 1968
EXHIBIT F -----	add letter of acceptance dated 24 December 1968	December 1968

UNIT NO. 122 - PART NO. 1

1-04.

n. Bank protection on east levee of Yolo Bypass (sites 1 & 2) was accomplished by Spike Voudouris under Contract No. DACW05-68-C-0077 and completed on 5 November 1968. Specification No. 3492. Drawing No. 50-4-4393.

EXHIBIT B

File No.

Title

50-4-4393

Bypass Levee Revetment Yolo and Sutter Bypass Levees, in 7 sheets.

encl 2+

C
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C
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P
Y

THE RECLAMATION BOARD
STATE OF CALIFORNIA

DEC 24 1968

4130.55.605

District Engineer
Corps of Engineers
U. S. Army
650 Capitol Mall
Sacramento, California 95814

Dear Sir:

Reference is made to your letter of November 22, 1968 concerning transfer to the State of California of the Sutter and Yolo Bypass Levee Revetment Project, Sites 1, 2, 3 and 4 for maintenance and operation.

This work was constructed in accordance with Specification No. 3492, Contract No. DACW05-C-0077, Drawing No. 50-4-4393.

The Reclamation Board, at its meeting of December 20, 1968, formally accepted the above referred to work for operation and maintenance.

Sincerely yours,

/s/ A. E. McCOLLAM
A. E. McCOLLAM
Chief Engineer and
General Manager

EXHIBIT F

SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE MANUAL
SACRAMENTO RIVER FLOOD CONTROL PROJECT

UNIT NO. 122 - PART NO. 1

WEST LEVEE OF SACRAMENTO RIVER FROM
MILE 70.8 TO SACRAMENTO RIVER AND
NORTH LEVEE OF SACRAMENTO BYPASS AND
EAST LEVEE OF YOLO BYPASS FROM
WOODLAND HIGHWAY TO SACRAMENTO BYPASS

REVISIONS OR ADDITIONS

REVISIONS	DATE
Paragraph 1-04 1. ----- add Contract No. 68-C-0077	January 1969

UNIT NO. 122 - PART NO. 1

Revise to read as follows:

1-04.

1. Planting of trees and shrubs on the waterside slope and berm along the right bank of the Sacramento River between river miles 63.8 and 66.0 was accomplished under Contract No. DACW05-67-C-0052 by Fairway Landscape Company, during the period from 13 April 1967 to 15 November 1967. Specification No. 3429, Drawing No. 6-4-2095.

encl 2⁴

SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE MANUAL
SACRAMENTO RIVER FLOOD CONTROL PROJECT

UNIT NO. 122 - PART NO. 1

WEST LEVEE OF SACRAMENTO RIVER FROM
MILE 70.8 TO SACRAMENTO WEIR AND
NORTH LEVEE OF SACRAMENTO BYPASS AND
EAST LEVEE OF YOLO BYPASS FROM
WOODLAND HIGHWAY TO SACRAMENTO BYPASS

REVISIONS OR ADDITIONS

ADDITIONS	DATE
Paragraph 1-04 m. ----- Add Contract No. 70-C-0111	January 1971
EXHIBIT B ----- Add Drawing No. 50-4-4529	January 1971
EXHIBIT F ----- Add letter of acceptance dated 9 February 1971	January 1971

UNIT NO. 122 - PART NO. 1

1-04.

m. Bank protection on east levee of Yolo Bypass was accomplished by Spike Voudouris and A. R. McEwen under Contract No. DACW05-70-C-0111 and completed on 1 September 1970. Specification No. 3769, Drawing No. 50-4-4529.

EXHIBIT B

File No.

Title

50-4-4529

Bypass Levee Revetment, East Levee Yolo Bypass,
in 4 sheets

And 1'

C
O
P
Y

THE RECLAMATION BOARD
STATE OF CALIFORNIA

C
O
P
Y

Feb 9, 1971

File No: 4130.55.605
Your Contract: DACW05-70-C-0111

District Engineer
U. S. Army Corps of Engineers
650 Capitol Mall
Sacramento, California 95814

Dear Sir:

Reference is made to your letter of September 15, 1970, concerning transfer to the State of California of one rock revetment site on the east levee of the Yolo Bypass, from the Sacramento Bypass Upstream, for maintenance and operation.

This work was constructed in conformance with Specification No. 3769, Contract No. DACW05-70-C-0111, Drawing No. 50-4-4529.

The Reclamation Board at its meeting of October 9, 1970, formally accepted the above-referred to work for operation and maintenance.

Sincerely yours,

/s/ A. E. McCollam
A. E. McCOLLAM
Chief Engineer and General Manager

EXHIBIT F

SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE MANUAL
SACRAMENTO RIVER FLOOD CONTROL PROJECT

UNIT NO. 122 - PART NO. 1

WEST LEVEE OF SACRAMENTO RIVER FROM
MILE 70.8 TO SACRAMENTO WEIR AND
NORTH LEVEE OF SACRAMENTO BYPASS AND
EAST LEVEE OF YOLO BYPASS FROM
WOODLAND HIGHWAY TO SACRAMENTO BYPASS

REVISIONS OR ADDITIONS

ADDITIONS	DATE
*Paragraph 1-04 n. ----- Add Contract No. 70-C-0008	March 1971
EXHIBIT B ----- Add Drawing No. 50-4-4310	March 1971
EXHIBIT F ----- Add copy of letter of acceptance dated 2 October 1970	March 1971

*This work was performed under the Sacramento River Bank Protection Project authorized by the Flood Control Act of 14 July 1960, Eighty-sixth Congress, Second Session, Senate Document No. 103.

1-04.

n. Bank protection on the west levee of the Sacramento River at Mile 70.4 (Unit No. 16) was accomplished by H. Earl Parker under Contract No. DACW05-70-C-0008 and completed on 23 September 1970. Specification No. 3390. Drawing No. 50-4-4529.

EXHIBIT B

File No.

Title

50-4-4310

Bank Protection, Various Locations Right and Left Banks, Sacramento River between Tisdale Weir and Sacramento, in 26 sheets.

C
O
P
Y

DEPARTMENT OF WATER RESOURCES
STATE OF CALIFORNIA

C
O
P
Y

October 2, 1970

District Engineer
U. S. Army Corps of Engineers
650 Capitol Mall
Sacramento, California 95814

Subject: 4130.60.204
Your Contract 70-C-0008
Sacramento River Bank Protection
Project, Unit No. 16

Dear Sir:

Reference is made to the precompletion inspection of a portion of the above referenced project made on September 23, 1970.

The work sites inspected were as follows:

Site Mile 61.0, Left Bank, Sacramento River
Site Mile 70.4, Right Bank, Sacramento River
Site Mile 71.5, Right Bank, Sacramento River
Site Mile 71.9, Right Bank, Sacramento River
Site Mile 77.0, Right Bank, Sacramento River
Site Mile 77.85, Right Bank, Sacramento River
Site Mile 84.5, Right Bank, Sacramento River
Site Mile 96.8, Right Bank, Sacramento River
Site Mile 83.45, Left Bank, Sacramento River
Site Mile 89.6, Left Bank, Sacramento River
Site Mile 95.4, Left Bank, Sacramento River
Site Mile 95.6, Left Bank, Sacramento River

The work appeared to be completed in an acceptable manner and, insofar as could be determined visually, in conformance with the plans and specifications for the project. No deficiencies were noted.

Sincerely yours,

/s/ Clyde E. Shields
Clyde E. Shields, Chief
Construction Branch
Division of Design and Construction

EXHIBIT F

SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE MANUAL
SACRAMENTO RIVER FLOOD CONTROL PROJECT

UNIT NO. 122-PART NO. 1

WEST LEVEE OF SACRAMENTO RIVER FROM
MILE 70.8 TO SACRAMENTO WEIR AND
NORTH LEVEE OF SACRAMENTO BYPASS AND
EAST LEVEE OF YOLO BYPASS FROM
WOODLAND HIGHWAY TO SACRAMENTO BYPASS

<u>REVISIONS OR ADDITIONS</u>		<u>DATE</u>
Paragraph 1-04	Add subparagraph t	February 1985
EXHIBIT B	Add Drawing No. 50-4-5718	February 1985
EXHIBIT F	Add copy of letter of transfer dated November 14, 1984	February 1985

SECTION I

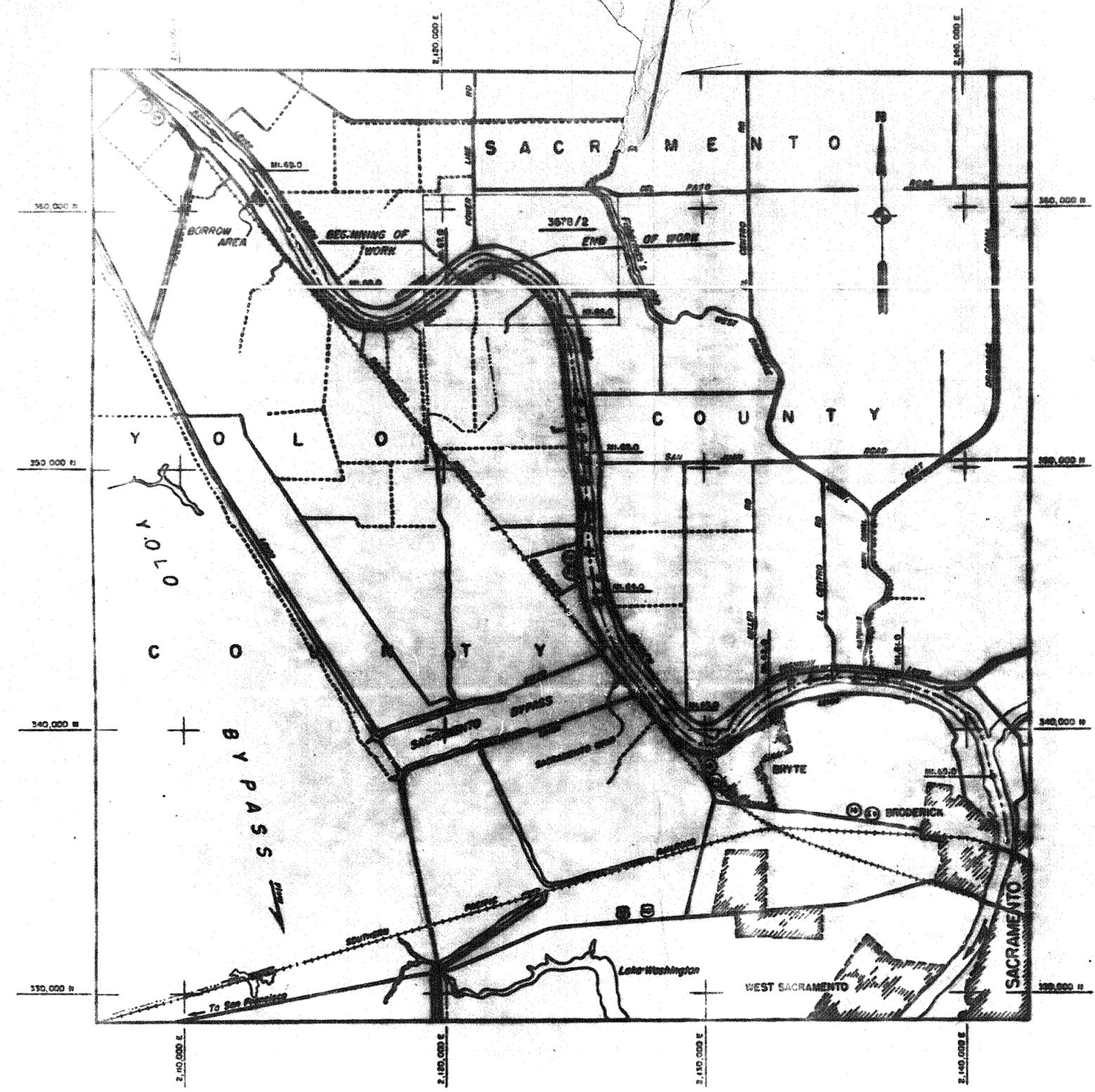
1-04.

t. Emergency repairs to project levees on the left bank levee of the Yolo Bypass in RD 785, RD 827 and RD 1600, were accomplished under Contract No. DACW05-84-C-0119 by Sybon and Reid, Inc.

Specification No. 7219 Drawing No. 50-4-5718.

EXHIBIT B

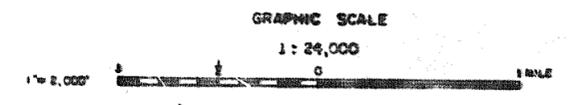
<u>File No.</u>	<u>Title</u>
50-4-5718	Yolo County, California, Emergency Levee Repairs, East Bank Yolo Bypass, RD 1600, 827 and 785, in 1 sheet.



LIST OF DRAWINGS

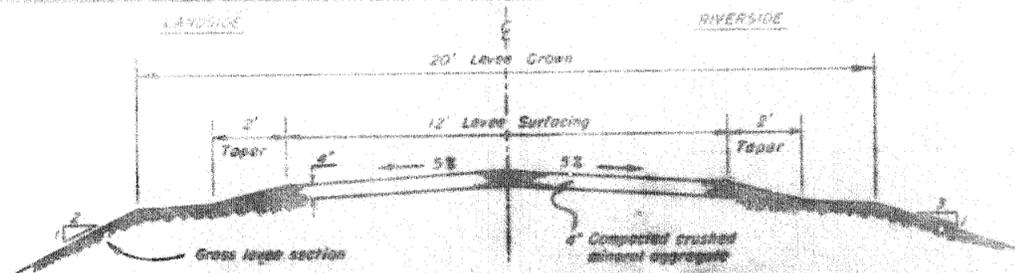
FILE NO.	SHEET NO.	DESCRIPTION
50-4-3678	3678/1	SHEET LAYOUT AND LOCALITY MAP
50-4-3678	3678/2	PLAN
50-4-3678	3678/3	PROFILE AND CROSS SECTIONS
50-4-3678	3678/4	STANDARD LEVELS AND ELEVATION RECORDS

SHEET LAYOUT AND LOCALITY MAP



U. S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS SACRAMENTO, CALIFORNIA	
DRAWN BY CHECKED BY DESIGNED BY APPROVED BY	PSV JAS JAS [Signature]
SACRAMENTO RIVER, CALIFORNIA FLOOD CONTROL PROJECT EMERGENCY LEVEE CONSTRUCTION RIGHT BANK SACRAMENTO RIVER MILE 66.6	
DATE OCTOBER 1950	SHEET NO. 50-4-3678 SHEET NO. 3678/1 TO 3678/4

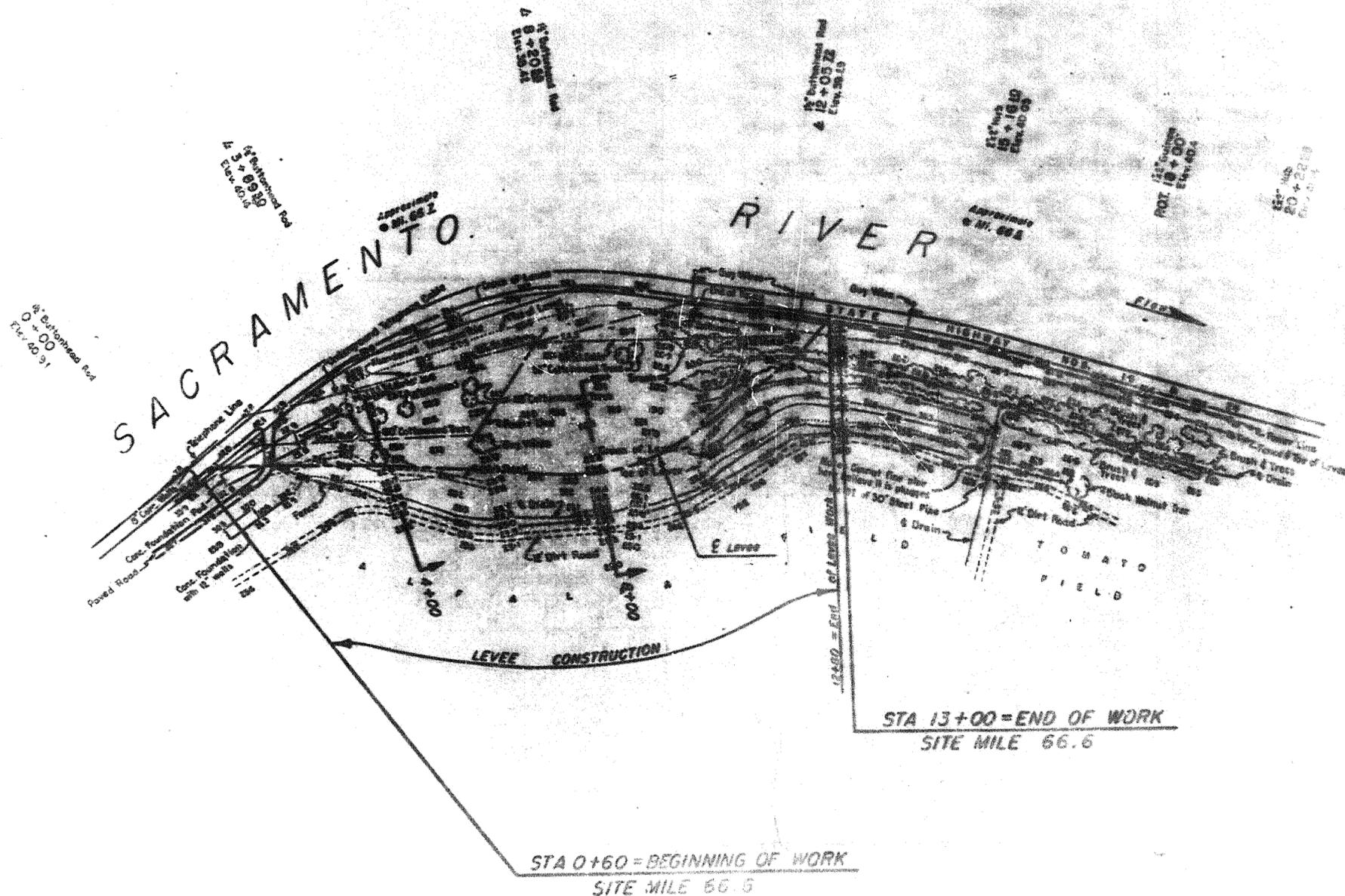
Handwritten note:
 RIGHT BANK
 MILE 66.6
 Levee - see
 sheet 3678/2



**STANDARD LEVEL SURFACING
FOR
PATROL ROAD**
SCALE: 1" = 2 FT.

STRUCTURE NOTES

- Sta. 0+60 to 12+00-----Surface levee crown 14' x 12'. See detail this Sheet.
- Sta. 0+60-----Remove and wash conc. structure, landside.
- Sta. 1+00 to 2+00-----Remove and wash existing paving on access road, landside.
- Sta. 1+00 to 2+40-----Remove and wash conc. foundation pad, existing landward levee slope.
- Sta. 1+60-----Construct H-type ramp structure, 14' wide, 0% grade. Surface 14' x 12'. See detail this Sheet.
- Sta. 2+00 to 3+00-----Remove and save 150 lin. ft. of fence, landside. Reconstruct 150 lin. ft. of fence, or temporary or new drain ditch.
- Sta. 2+40 to 4+00-----Construct drain ditch, landside to existing ditch grade and side slopes, 10' from landside levee top.
- Sta. 12+15 to 13+15-----Remove and save 150 lin. ft. of cross fence. Reconstruct 150 lin. ft. of cross fence.
- Sta. 12+00-----Construct earth berm, 10' wide, side slope 1 on 2 to Elev. 24.0, where drain ditch enters new levee section, landside.



NOTE:

All elevations are referred to C. of E. Datum + 50 feet below Sea Level Datum of 1929.
Date of Survey: September & October 1960. File No. 50-13-3673

GRAPHIC SCALE



DESIGNED		CHECKED	
U. S. ARMY ENGINEER DISTRICT OFFICE OF DISTRICT ENGINEER SACRAMENTO, CALIFORNIA			
PROJECT	SACRAMENTO RIVER, CALIFORNIA	FLOOD CONTROL PROJECT	
DESIGNER	H. O. JAS	EMERGENCY LEVEE CONSTRUCTION	
DATE	1960	RIGHT BANK SACRAMENTO RIVER	
		MILE 66.6	
DRAWN		CHECKED	
SCALE AS SHOWN		SHEET NO. 50-1-3673	

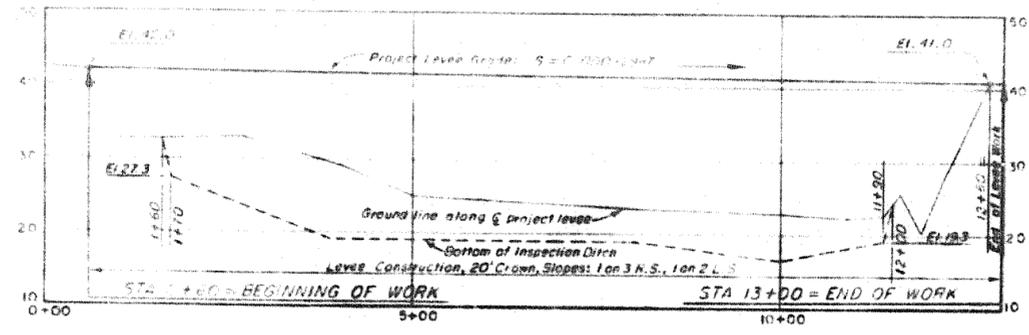
AS INSTRUCTED



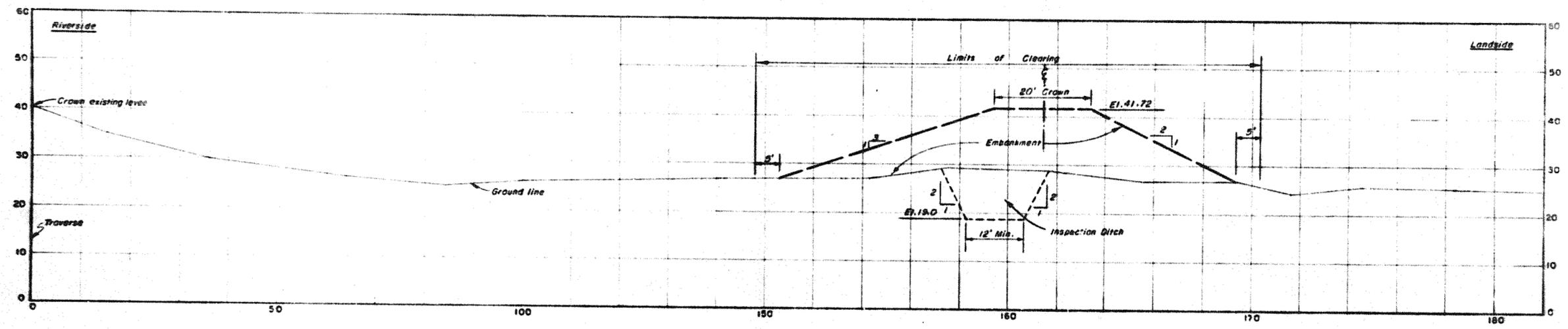
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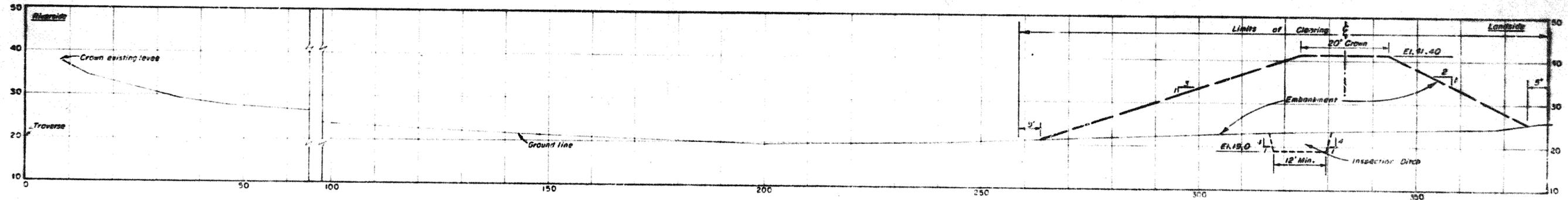
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M



PROFILE
SCALE 1"=10' HORIZ & VERT



STA 4+00

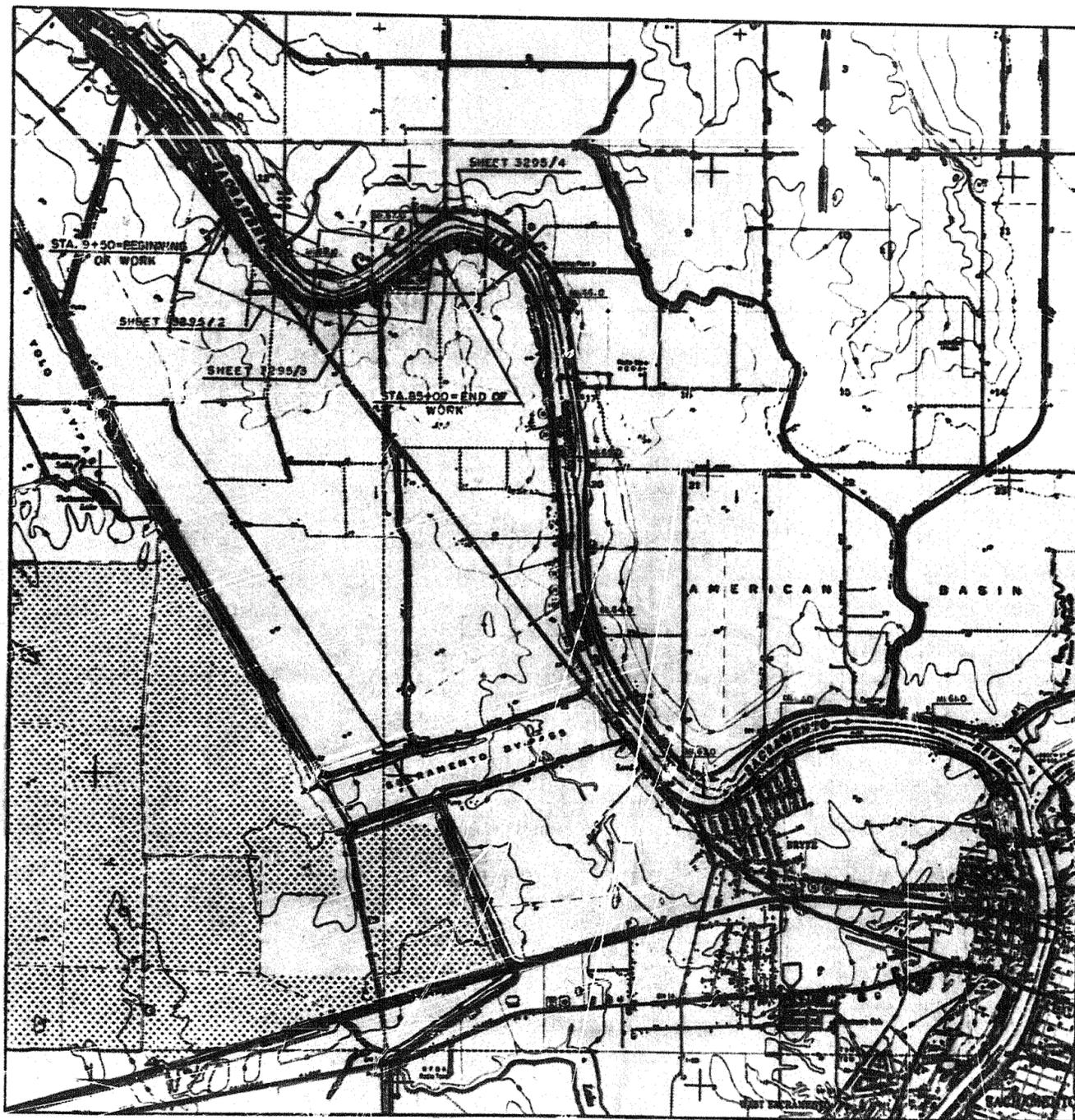


STA 8+00

PROFILE & CROSS-SECTIONS
SCALE 1"=10' HORIZ & VERT.

AS CONSTRUCTED

DESIGN	DATE	DESCRIPTION	BY	BY
U. S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS SACRAMENTO, CALIFORNIA				
DRAWN BY: DPH	SACRAMENTO RIVER, CALIFORNIA FLOOD CONTROL PROJECT			
CHECKED BY: JAS	EMERGENCY LEVEE CONSTRUCTION			
FOUNDED BY: JAS	RIGHT BANK SACRAMENTO RIVER MILE 66.6			
APPROVED BY: [Signature]				
APPROVED: [Signature]				
SCALE: AS SHOWN	APP. NO. 2715	FILE NO. 50-4-5675		
DATE: OCTOBER 1960		SHEETS 3675/1 TO 3675/3		



LIST OF DRAWINGS

FILE NO.	SHEET NO.	DESCRIPTIONS
50-4-3295	3295/1	SHEET LAYOUT & LOCALITY MAP
50-4-3295	3295/2	PLAN & STONE PROTECTION DETAIL
50-4-3295	3295/3	PLAN
50-4-3295	3295/4	PLAN & CROSS-SECTIONS
50-4-3295	3295/5	PROFILE
50-4-3295	3295/6	CROSS-SECTIONS
50-4-3295	3295/7	CROSS-SECTIONS
50-4-3295	3295/8	STRUCTURE SECTIONS
50-4-3295	3295/9	STRUCTURE SECTIONS & DETAILS
50-4-3295	3295/10	STRUCTURE SECTIONS & DETAILS
50-4-3295	3295/11	SPECIAL ROAD RAMPS
50-4-3037.2	IN ONE SHEET	IRRIGATION AND DRAINAGE STRUCTURES
50-4-2209.1	IN ONE SHEET	STANDARD LEVEE AND BORROW SECTIONS
50-4-1717.1	IN ONE SHEET	TYPICAL ROAD RAMPS

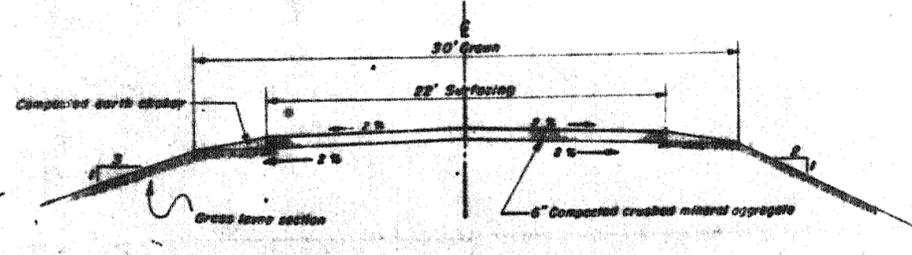
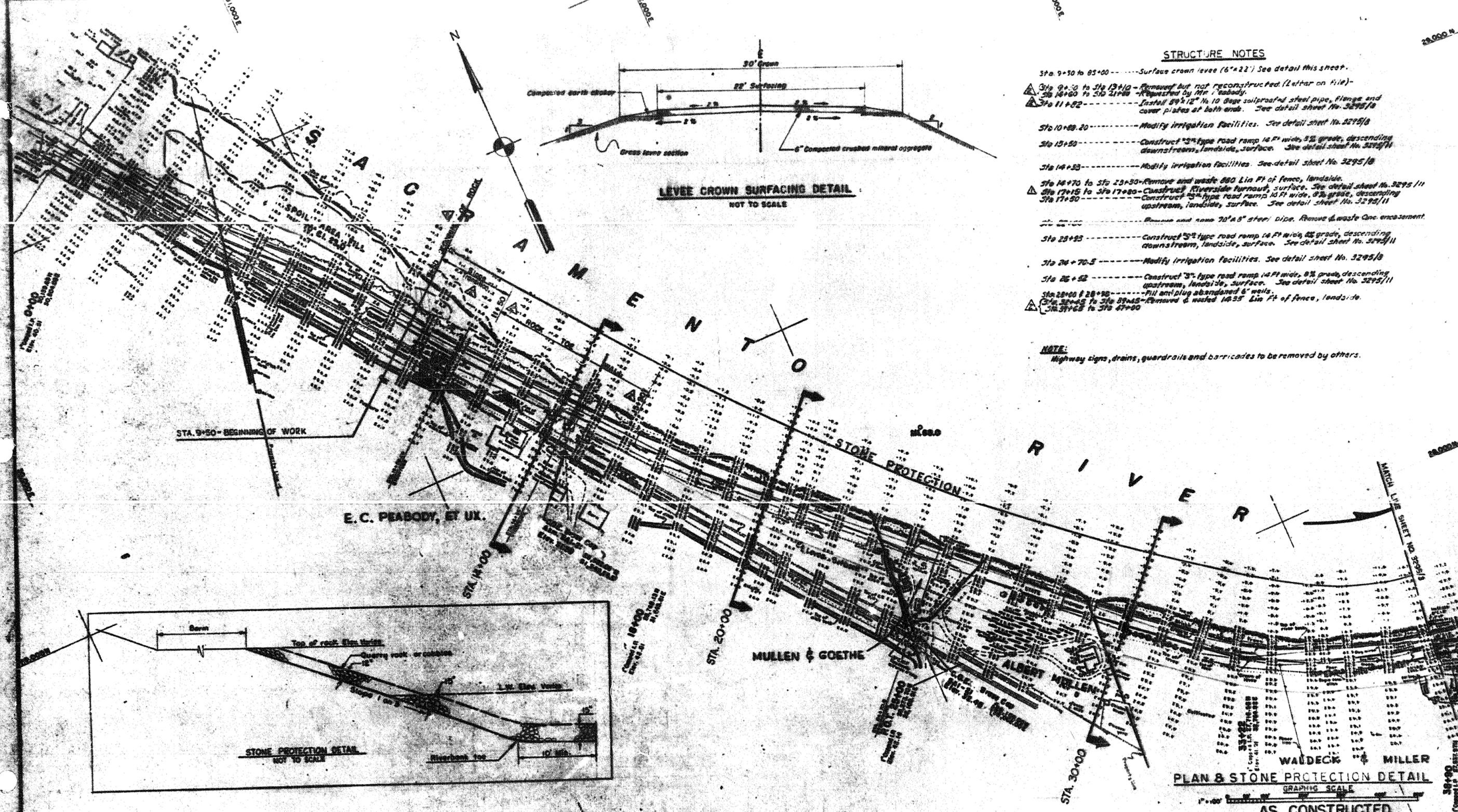
GRAPHIC SCALE



SHEET LAYOUT
&
LOCALITY MAP
AS CONSTRUCTED

DESIGNED BY	DATE	REVISIONS	BY	DT
CORPS OF ENGINEERS, U. S. ARMY OFFICE OF THE CHIEF ENGINEER SACRAMENTO DISTRICT SACRAMENTO, CALIFORNIA				
DESIGNED BY	PBV	SACRAMENTO RIVER, CALIFORNIA		
CHECKED BY	WAS	FLOOD CONTROL PROJECT		
PREPARED BY	JMK	LEVEE CONSTRUCTION		
		RIGHT BANK SACRAMENTO RIVER		
		VICINITY MONUMENT BEND		
		MILE 66.8 TO MILE 68.3		
DATE	MAY 1937	SCALE	AS SHOWN	DWG NO. 3295
G. P. O'Connell		FILE NO.	50-4-3295	
		SHEETS	3295/1 TO 3295/11	SHEET NO.
				3295/4

CORPS OF ENGINEERS

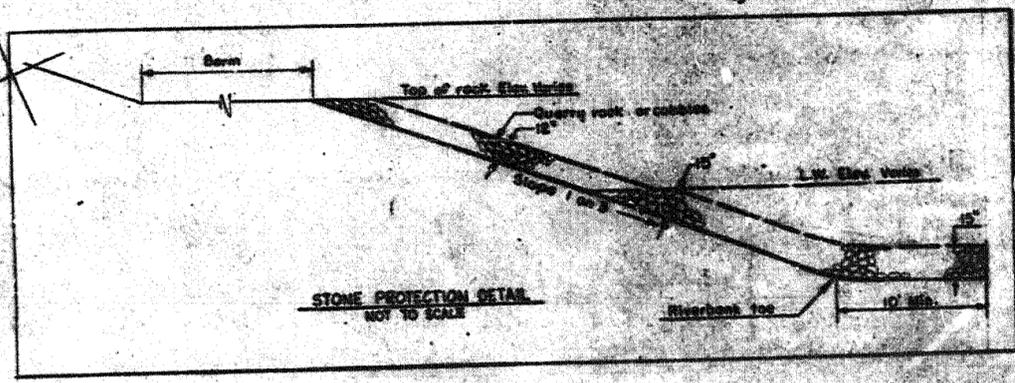


LEVEE CROWN SURFACING DETAIL
NOT TO SCALE

STRUCTURE NOTES

- Sta. 9+50 to 85+00 --- Surface crown levee (6'x22') See detail this sheet.
- Sta. 9+50 to Sta. 13+10 --- Removed but not reconstructed. (Letter on file)
- Sta. 14+60 to Sta. 21+00 --- Replaced by 12" x 12" spaced 8'x12" No. 10 Bars soilroafed steel pipe, flange and cover plates at both ends. See detail sheet No. 3295/8
- Sta. 11+82 --- --- Modify irrigation facilities. See detail sheet No. 3295/8
- Sta. 10+88.20 --- --- Construct 3" type road ramp 14' wide, 0% grade, descending downstream, landside, surface. See detail sheet No. 3295/11
- Sta. 14+53 --- --- Modify irrigation facilities. See detail sheet No. 3295/8
- Sta. 14+70 to Sta. 23+30 --- Remove and waste 880 Lin Ft of fence, landside.
- Sta. 17+15 to Sta. 17+80 --- Construct Riverside turnout, surface. See detail sheet No. 3295/11
- Sta. 17+50 --- --- Construct 3" type road ramp, 10' wide, 0% grade, descending upstream, landside, surface. See detail sheet No. 3295/11
- --- Remove and raise 70'x8" steel Dike. Remove Waste Enc. encasement.
- Sta. 23+83 --- --- Construct 3" type road ramp 14' wide, 0% grade, descending downstream, landside, surface. See detail sheet No. 3295/11
- Sta. 24+70.5 --- --- Modify irrigation facilities. See detail sheet No. 3295/8
- Sta. 25+52 --- --- Construct 3" type road ramp 14' wide, 0% grade, descending upstream, landside, surface. See detail sheet No. 3295/11
- Sta. 28+00 to 28+90 --- --- Fill and plug abandoned 6" wells.
- Sta. 31+65 to Sta. 39+65 --- --- Remove & waste 1435 Lin Ft of fence, landside.
- Sta. 31+65 to Sta. 47+00 --- ---

NOTE: Highway signs, drains, guardrails and barricades to be removed by others.



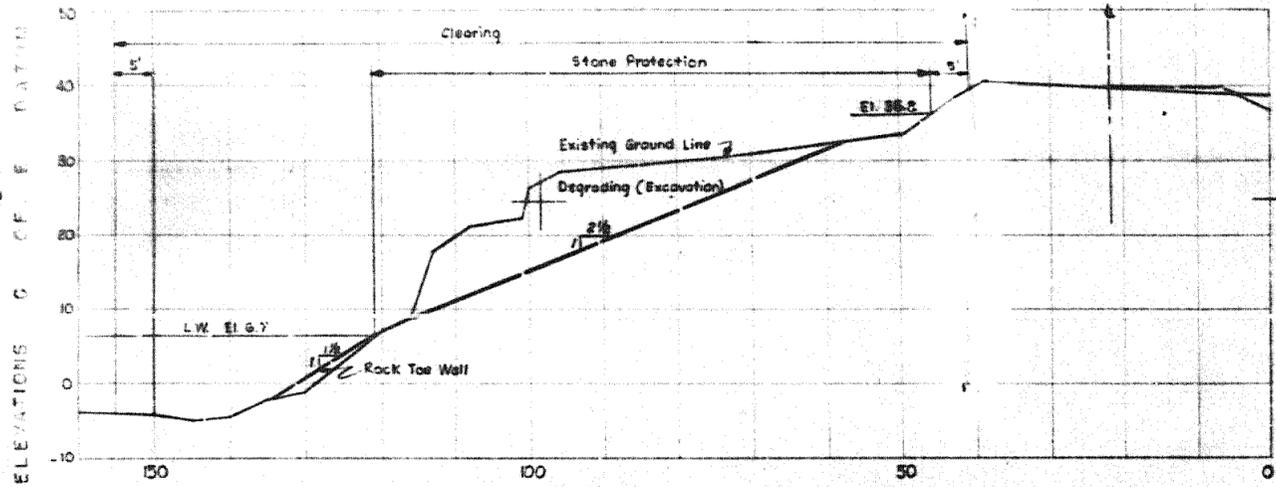
STONE PROTECTION DETAIL
NOT TO SCALE

PLAN & STONE PROTECTION DETAIL
GRAPHIC SCALE

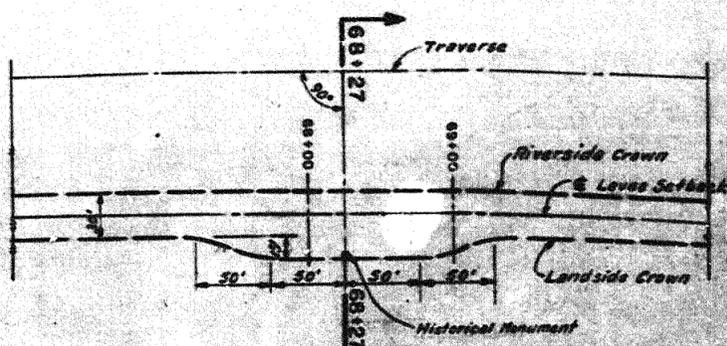
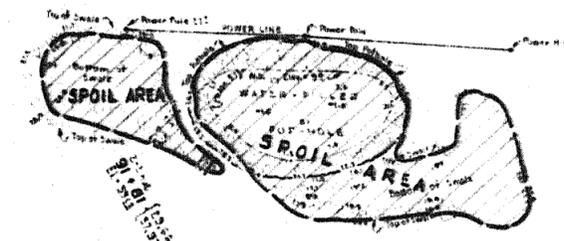
AS CONSTRUCTED

Corps of Engineers, U.S. Army District Engineer, Sacramento District Sacramento, California	
E.T.L. M.A.S. J.M.B.	SACRAMENTO RIVER, CALIFORNIA FLOOD CONTROL PROJECT LEVEE CONSTRUCTION RIGHT BANK SACRAMENTO RIVER VICINITY MONUMENT BEND MILE 66.5 TO MILE 68.5
Date: MAY 1957 Scale: 1" = 100' Sheet: 60-4-3295 Stationing: STA. 9+50 TO STA. 30+00	Project No. 60-4-3295 Sheet No. 3295/11 Date: MAY 1957

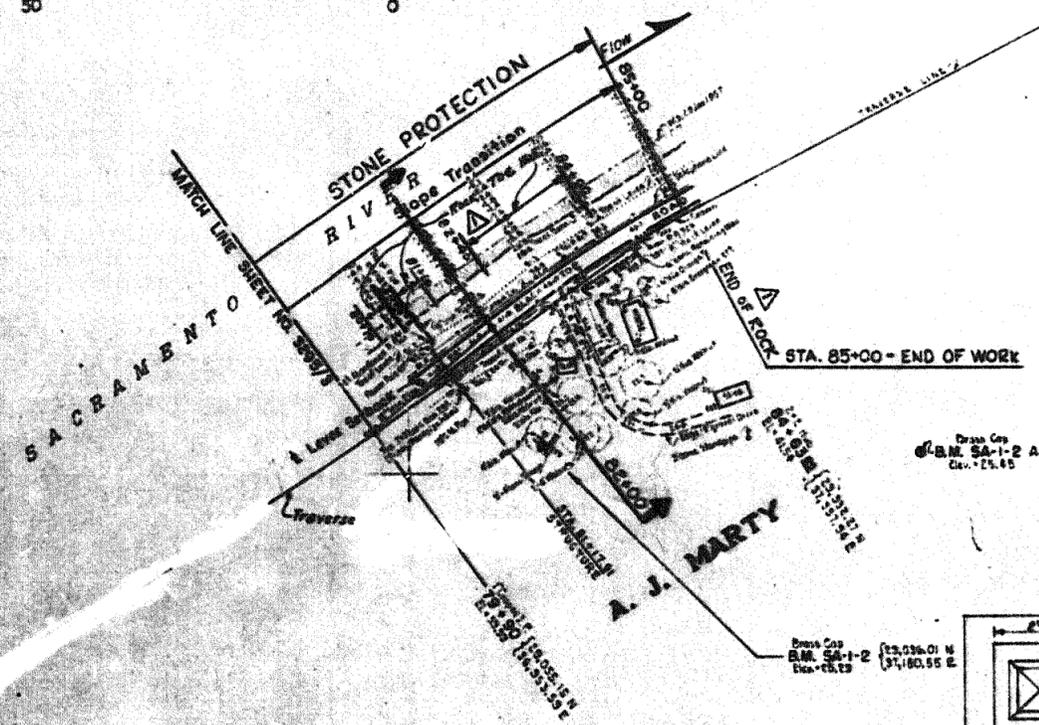
NOTE: All elevations are referred to C. of E. Datum - Mean Lower Low Water
Datum = 3.0 ft. below Mean Sea Level.
Coordinates assumed. Date of Survey: 3 Jan. to March 1956.



STA 82+00
Scale: 1" = 10' HORIZ. & VERT.

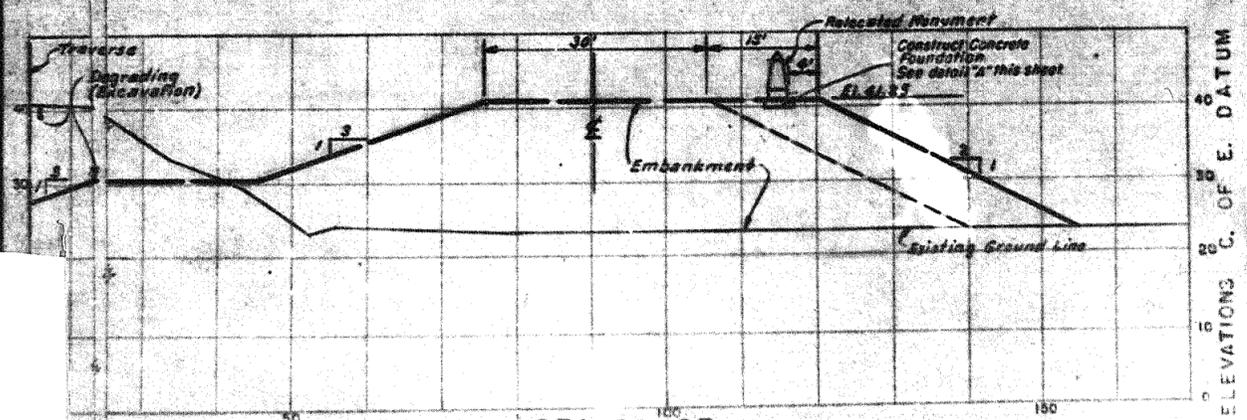
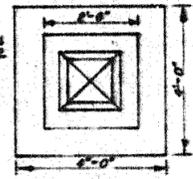


PLAN
Scale: 1" = 50'



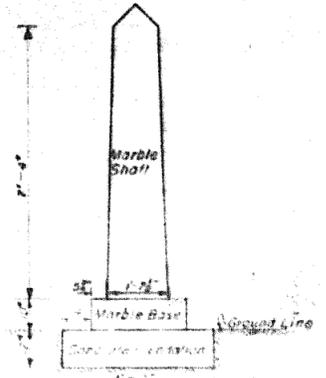
Drawn by
B.M. 54-1-2 Az. (25,015.35 N
Elev. 15.45

Drawn by
B.M. 54-1-2 (23,036.01 N
Elev. 15.45



STA 68+27
ENLARGED LEVEL SECTION AT HISTORICAL MONUMENT
Scale: 1" = 10' HORIZ. & VERT.

Notes:
All elevations are referred to C. of E. Datum 50ft below Mean Sea Level, 1929 general adjustment.
Assumed Coordinates.
Date of Survey 18-23 Jan 1957



PLAN AND ELEVATION
DETAIL "A"
Scale: 1" = 10'

PLAN & CROSS - SECTIONS



AS CONSTRUCTED

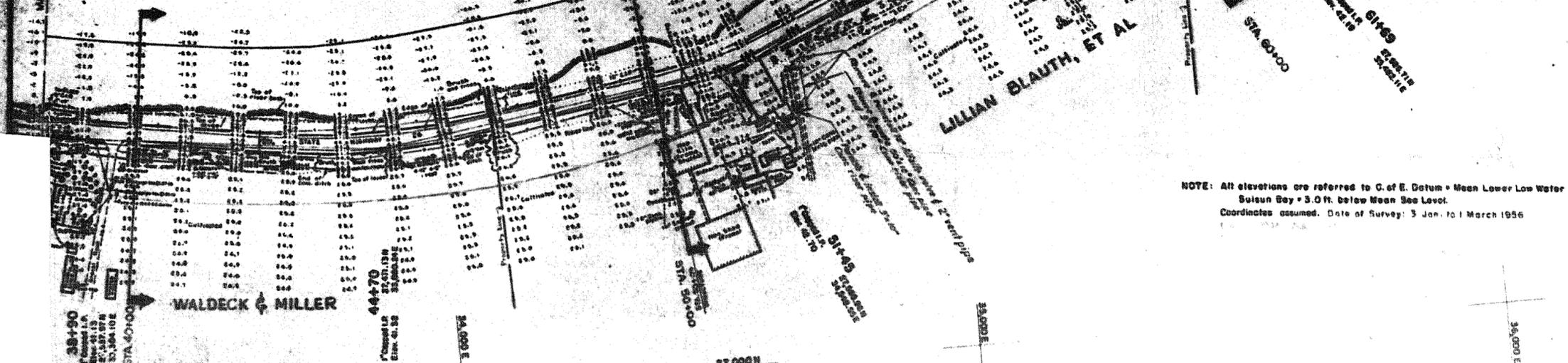
DESIGNED BY	REVISION	DATE	DESCRIPTION	BY	DT
E.T.L.	1	5/25/57	Revised as constructed		
CORPS OF ENGINEERS, U. S. ARMY OFFICE OF THE DISTRICT ENGINEER SACRAMENTO DISTRICT SACRAMENTO, CALIFORNIA					
DESIGNED BY	SACRAMENTO RIVER CALIFORNIA FLOOD CONTROL PROJECT				
CHECKED BY	LEVEE CONSTRUCTION				
FORWARDED BY	RIGHT BANK SACRAMENTO RIVER VICINITY MONUMENT BEND MILE 6&9 TO MILE 6&3				
APPROVED BY					
DATE	MAY 1957	FILE NO.	50-4-3295	SHEET NO.	1 OF 1

STRUCTURE NOTES

- Sta 36+85 ----- Construct 3" type road ramp 14 ft wide, 8% grade, descending downstream, landside, surface. See detail sheet No. 3295/11
- Sta 38+28.8 ----- Modify irrigation facilities. See detail sheet No. 3295/10
- Sta 39+50 ----- Fill and plug well.
- Sta 41+18 ----- Constructed 16" 8% 3-Type ramp, landside, descending upstream
- Sta 48+04 ----- Modify irrigation facilities. See detail sheet No. 3295/9, Location is changed at request of Mrs. Pearl Straugh.
- Sta 52+50 ----- Modify irrigation facilities. See note, this sheet.
- Sta 59+50 ----- Deleted. Construct 11" type road ramp 4 3/4' Landing downstream of Sta 67+00
- Sta 60+70 ----- Construct 11" type ramp landside 14 ft wide, 8% grade with 2 1/2 ft landing at landside levee crown. Surface. See detail Sheet 3295/11
- Sta 61+17 ----- Construct 15" type road ramp 14 ft wide, 8% grade, descending downstream, landside. Surface. See detail sheet No. 3295/11
- Sta 61+00 to 62+40 ----- Construct landside berm fill over sloughs.
- Sta 63+07.25 ----- Modify irrigation facilities. See detail sheet 3295/10.3 G.O. Installed 2-1/2" Slide headgate. Anchor block base El. 10.4.
- Sta 63+15 to Sta 63+30 ----- Remove and waste 60 Lin. Ft. of fence, landside.
- Sta 63+90.6 ----- Modify irrigation facilities. See detail sheet 3295/9.1 Anchor block base El. 10.4.
- Sta 63+15 to Sta 63+30 ----- Remove and waste 120 Lin. Ft. of fence, landside.
- Sta 65+15 to Sta 71+00 ----- Remove, stock pile and reuse, existing rock revetment, riverside.
- Sta 66+50 ----- Construct 3" type road ramp 14 ft wide, 8% grade, descending upstream, landside, surface. See detail sheet No. 3295/11
- Sta 66+76.4 ----- Modify irrigation facilities. See detail sheet No. 3295/9.1
- Sta 67+27 to Sta 69+27 ----- Construct enlarged levee section. See Plan and Cross-Sections Sheet No. 3295/6.
- Sta 68+27 ----- Remove and reinstall historical monument. See sheet No. 3295/4.
- Sta 69+00 to Sta 71+00 ----- Remove and waste 32.0 Lin. Ft. of fence, landside.
- Sta 76+10 to Sta 76+45 ----- Remove and waste 35 Lin. Ft. of fence, landside.
- Sta 76+60 ----- Fill and plug well.
- Sta 76+65 to Sta 81+17 ----- Remove and waste 710 Lin. Ft. of fence, landside.
- Sta 81+17.91 ----- Modify irrigation facilities. See detail sheet No. 3295/10.1 Anchor block base El. 10.3

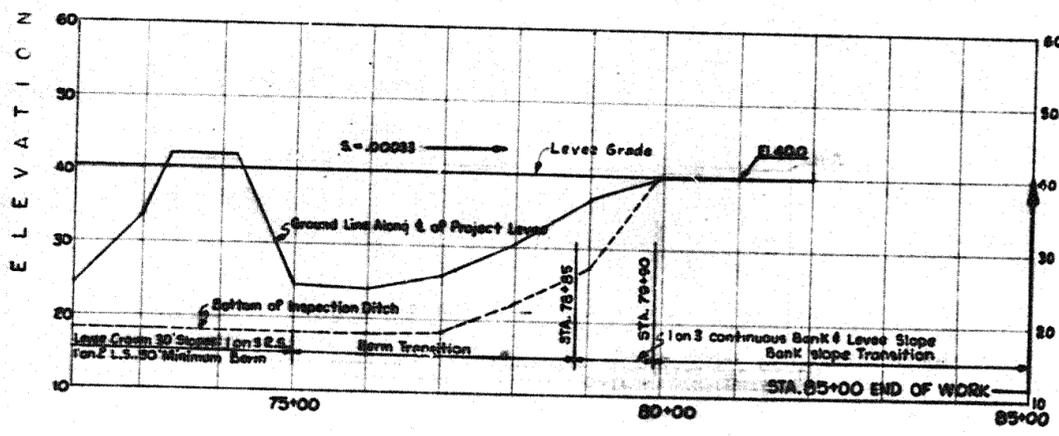
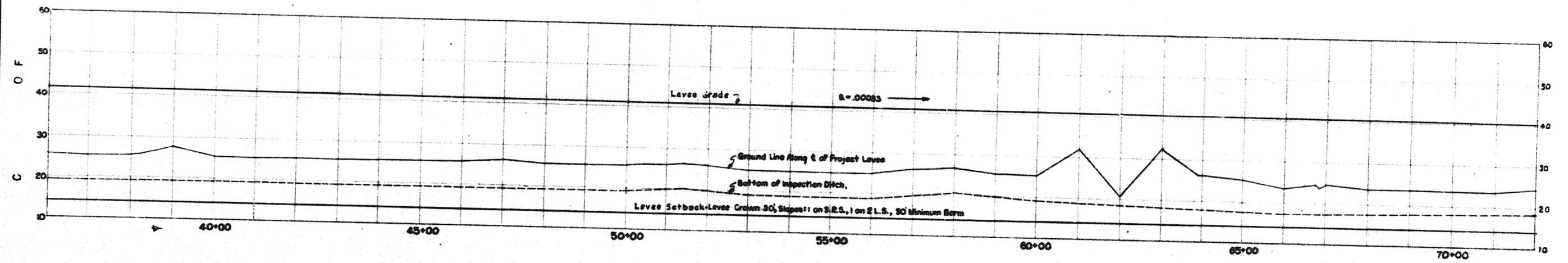
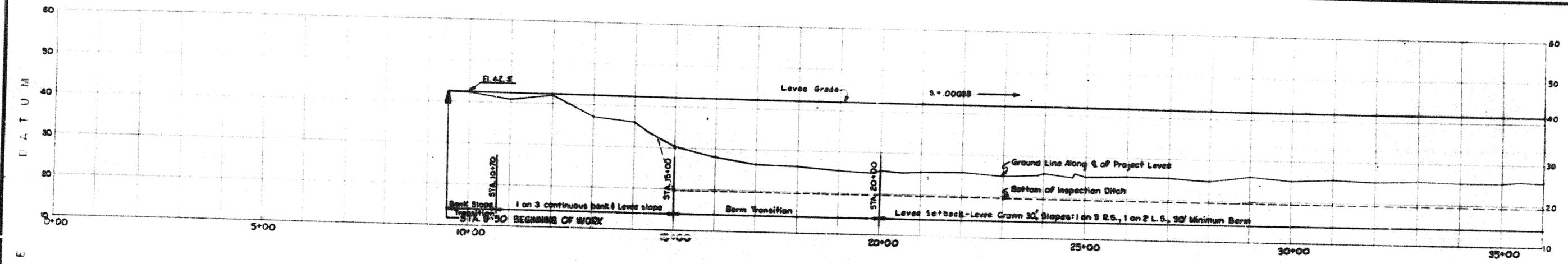


MATCH LINE SHEET NO. 3295/2



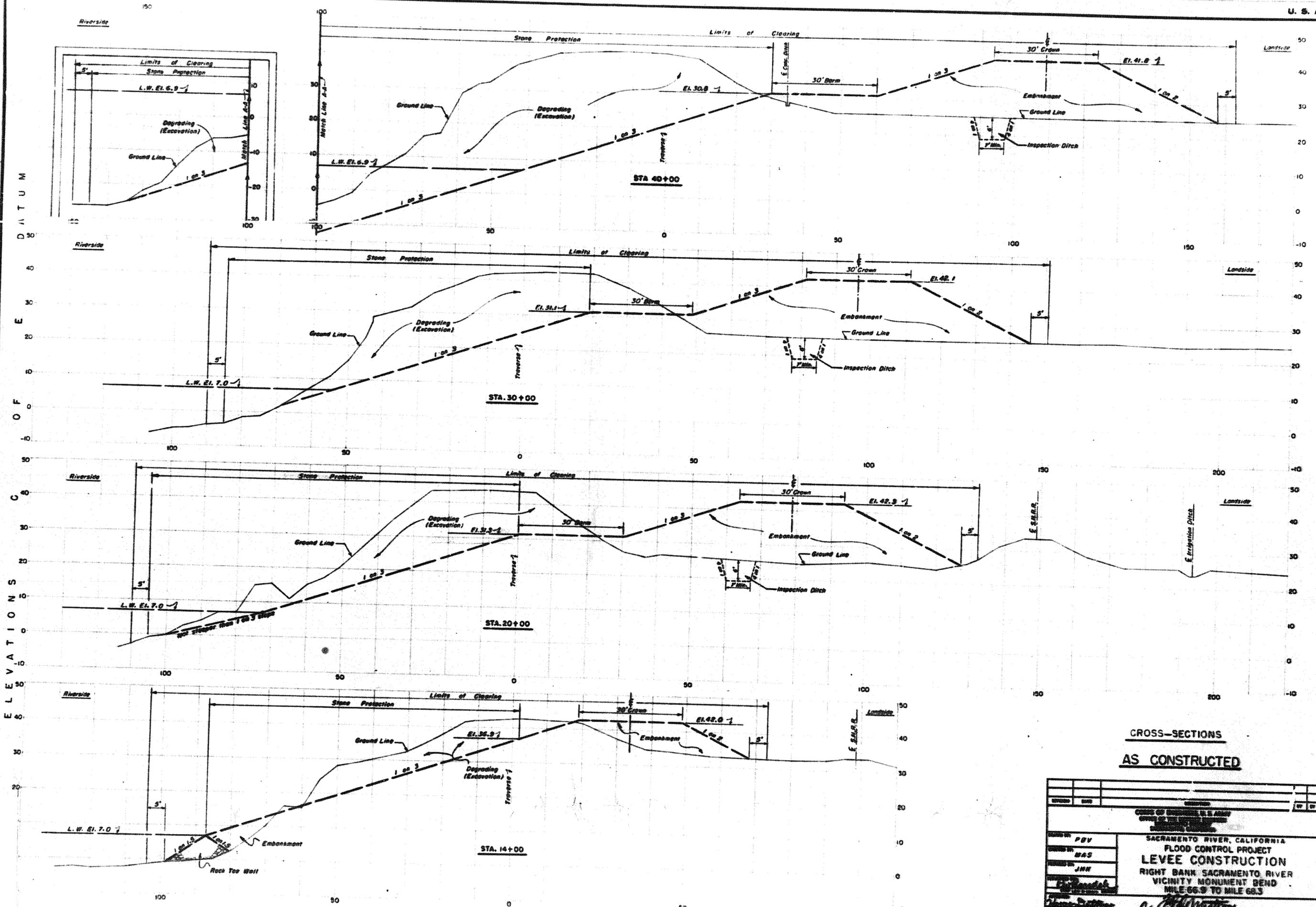
NOTE: All elevations are referred to C. of E. Datum - Mean Lower Low Water
 Suisun Bay + 3.0 ft. below Mean Sea Level.
 Coordinates assumed. Date of Survey: 3 Jan. to 1 March 1956

1.500' Review of construction 1.000' Detailed earth and structure notes. See details to 60-50 & 60-50/11	
DESIGNED BY: E.T.L. CHECKED BY: M.A.S. DRAWN BY: J.H.N.	CORPS OF ENGINEERS, U.S. ARMY OFFICE OF THE DISTRICT ENGINEER SACRAMENTO DISTRICT SACRAMENTO, CALIFORNIA
SACRAMENTO RIVER, CALIFORNIA FLOOD CONTROL PROJECT LEVEE CONSTRUCTION RIGHT BANK SACRAMENTO RIVER VICINITY MONUMENT BEND MILE 66.9 TO MILE 68.3	
DATE: MAY 1957	SHEET NO: 50-4-3295 DRAWING NO: 3295/11 TO 3295/11 3295/11



PROFILE
Scale: 1" = 100' HORIZ. & 1" = 10' VERT.
AS CONSTRUCTED

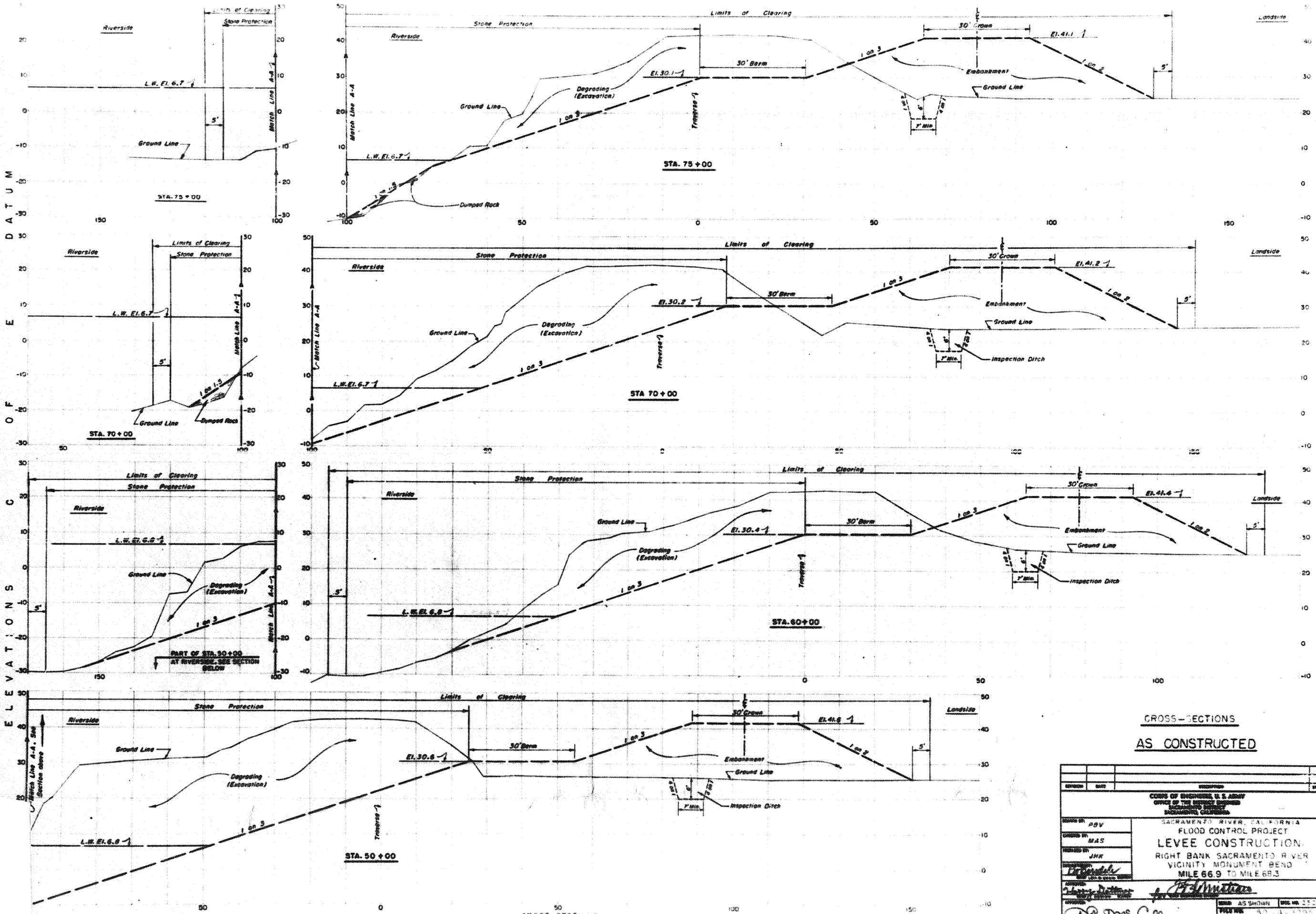
DESIGNED BY	ETL	CORPS OF ENGINEERS, U. S. ARMY OFFICE OF THE DISTRICT ENGINEER SACRAMENTO DISTRICT SACRAMENTO, CALIFORNIA	DATE		BY	
CHECKED BY	M.A.S.		PROJECT	SACRAMENTO RIVER CALIFORNIA FLOOD CONTROL PROJECT LEVEE CONSTRUCTION		
DRAWN BY	J.M.K.		LOCATION	RIGHT BANK SACRAMENTO RIVER VICINITY MONUMENT BEND MILE 66.9 TO MILE 69.3		
APPROVED BY	<i>[Signature]</i>		DATE			
DATE	MAY 1957	BY	<i>[Signature]</i>			
A. P. McCallum DISTRICT ENGINEER		DRAWN AS SHOWN SHEET NO. 50-4-3295 SHEETS 3295/1 TO 3295/11 3295/8				



CROSS-SECTIONS
SCALE: 1" = 10' HORIZ. & VERT.

CROSS-SECTIONS
AS CONSTRUCTED

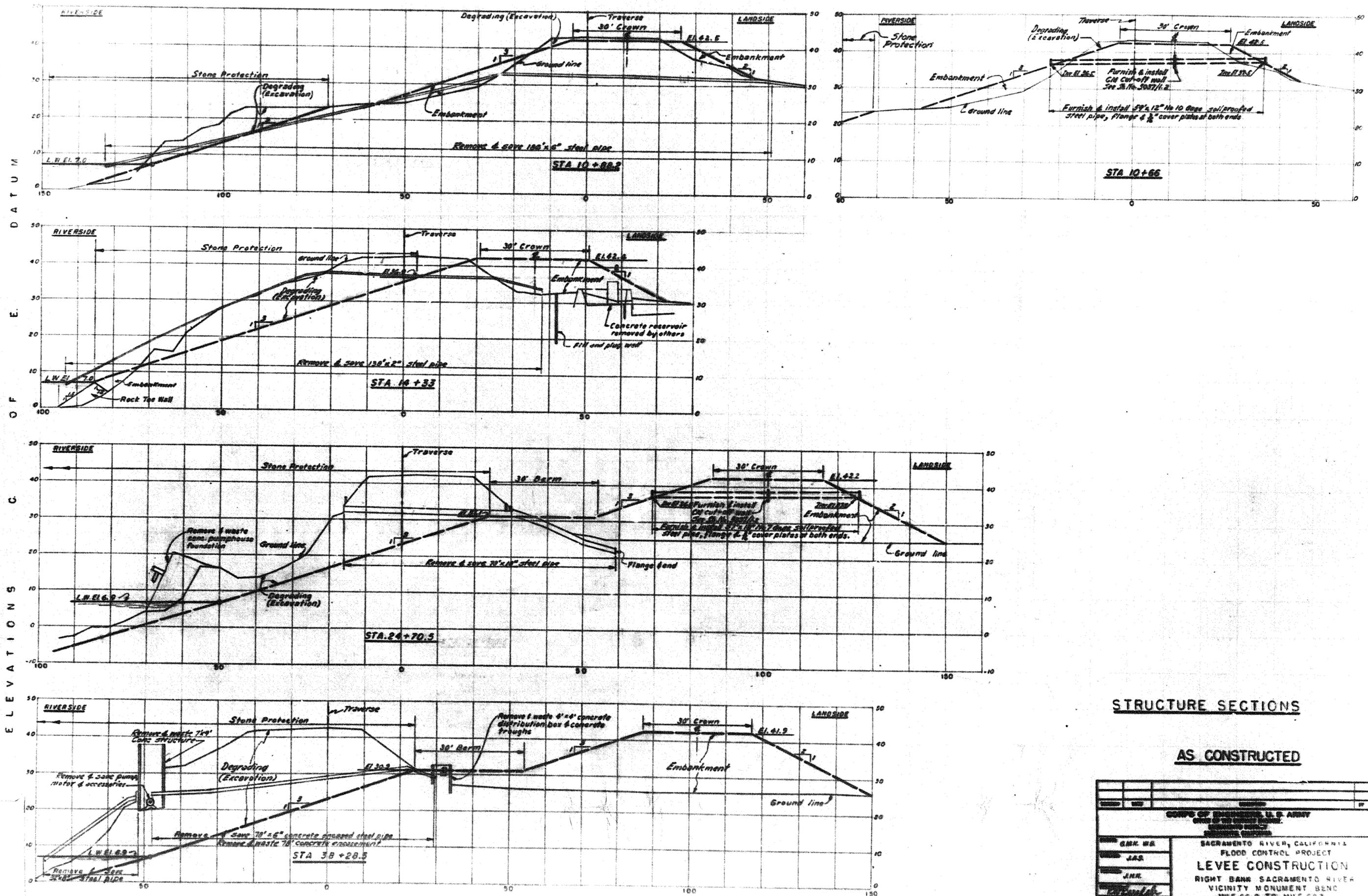
DESIGNED BY	CHKD BY	DATE	DESCRIPTION
BYV	MAS	JMR	SACRAMENTO RIVER, CALIFORNIA FLOOD CONTROL PROJECT LEVEE CONSTRUCTION RIGHT BANK SACRAMENTO RIVER VICINITY MONUMENT BEND MILE 66.9 TO MILE 68.3
DATE	DATE	DATE	DATE
U.S. ARMY CORPS OF ENGINEERS DISTRICT OFFICE SACRAMENTO, CALIF.			SHEET NO. 50-4-3295 DRAWING NO. 3295/A TO 3295/I DATE 1957



**CROSS-SECTIONS
AS CONSTRUCTED**

DESIGNED BY PBV	CORPS OF ENGINEERS, U. S. ARMY OFFICE OF THE DISTRICT ENGINEER SACRAMENTO DISTRICT SACRAMENTO, CALIFORNIA	
CHECKED BY MAS	SACRAMENTO RIVER, CALIFORNIA FLOOD CONTROL PROJECT LEVEE CONSTRUCTION RIGHT BANK SACRAMENTO RIVER VICINITY MONUMENT BEND MILE 66.9 TO MILE 68.3	
APPROVED BY JHR	DATE: MAY 1957	
DATE: MAY 1957	SCALE: AS SHOWN	SHEET NO. 23 OF 25
	FILE NO. 50-1-195	
	SUBJECT: SACRAMENTO RIVER	SHED NO. 3295/1 To 3295/11
		DATE: MAY 1957

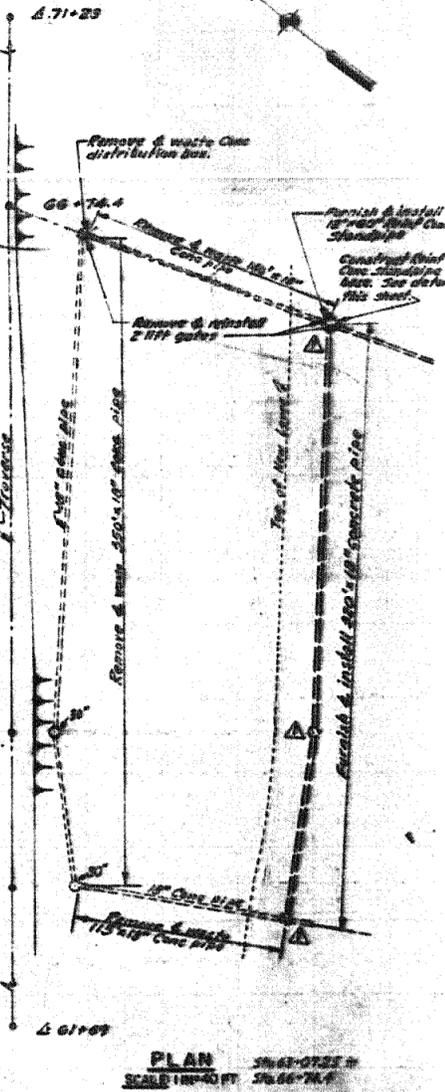
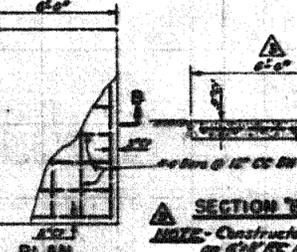
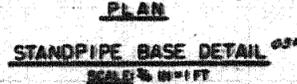
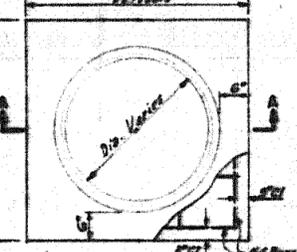
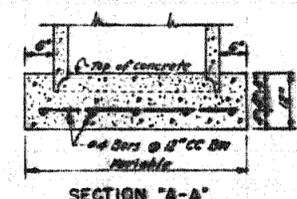
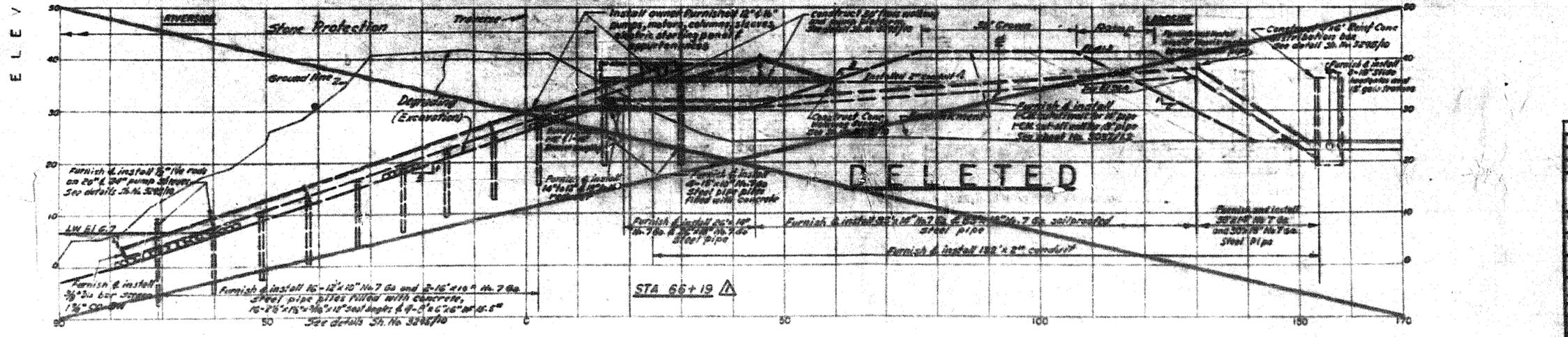
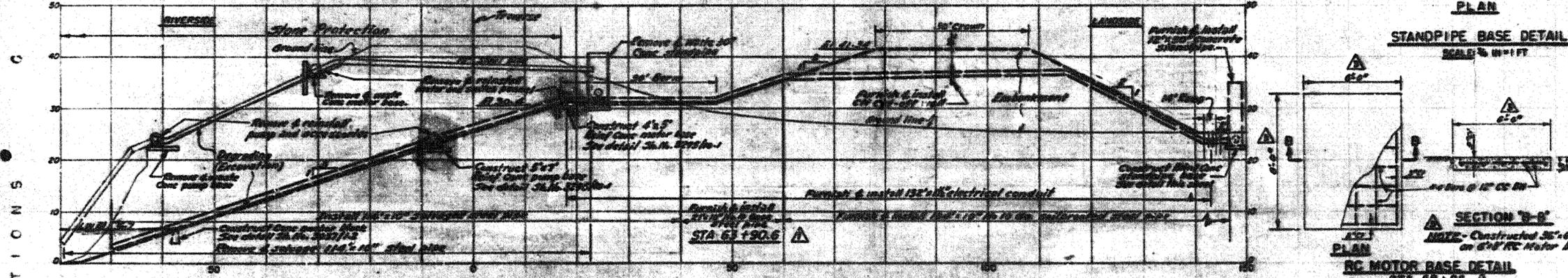
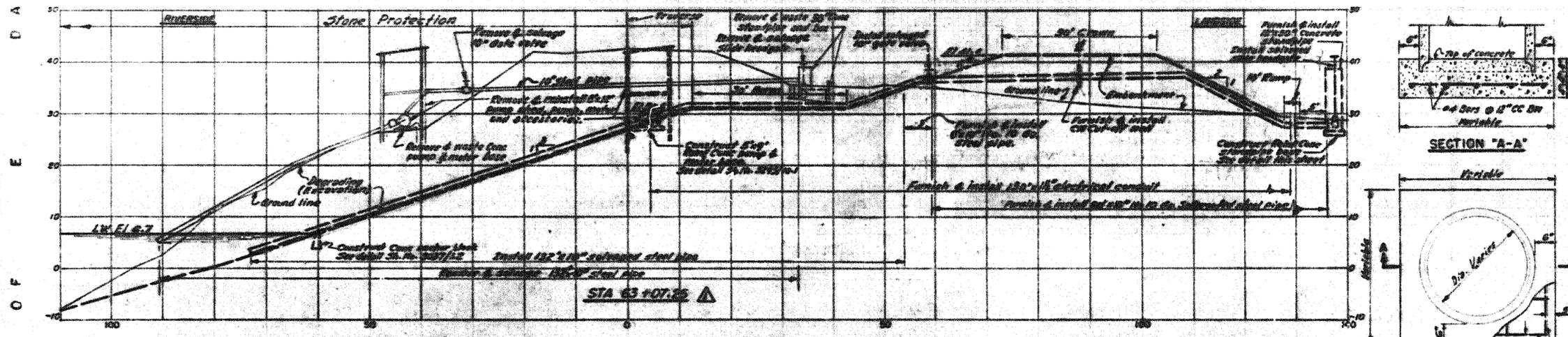
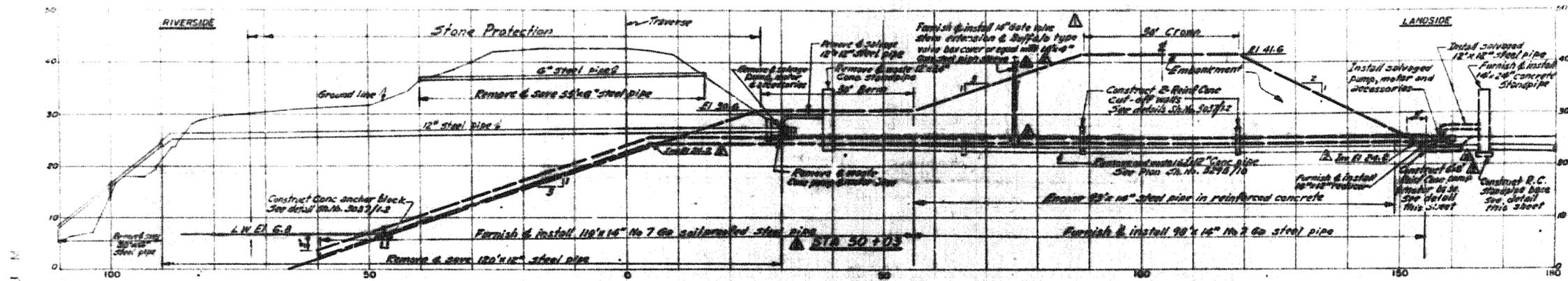
CROSS-SECTIONS
SCALE 1" = 10' HORIZ. & VERT.



STRUCTURE SECTIONS

AS CONSTRUCTED

CORPS OF ENGINEERS, U. S. ARMY ENGINEERING DISTRICT OF SACRAMENTO	
SACRAMENTO RIVER, CALIFORNIA FLOOD CONTROL PROJECT LEVEE CONSTRUCTION RIGHT BANK SACRAMENTO RIVER VICINITY MONUMENT BEND MILE 66.9 TO MILE 68.3	
G.M.K. W.B. J.A.R. J.M.R.	3095A TO 3295A SHEET 50-4-3295 MAY 1947



STRUCTURE SECTIONS & DETAILS AS CONSTRUCTED

<p>U.S. Army Corps of Engineers SACRAMENTO RIVER, CALIFORNIA FLOOD CONTROL PROJECT LEVEE CONSTRUCTION RIGHT BANK SACRAMENTO RIVER VICINITY MONUMENT BEND MILE 68.2 TO MILE 68.3</p>	
<p>GER: W.E. JAS. JMR.</p>	<p>DATE: 10-1957 DRAWING NO.: 56-4-3295 SHEET NO.: 10 OF 12</p>

DELETED

