

SUPPLEMENT TO STANDARD  
OPERATION AND MAINTENANCE  
MANUAL

SACRAMENTO RIVER  
FLOOD CONTROL PROJECT

UNIT No. 126  
CACHE CREEK LEVEES  
AND SETTLING BASIN  
YOLO BYPASS TO HIGH GROUND



U. S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
SACRAMENTO, CALIFORNIA

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U. S. Army Engineer District, Sacramento  
Corps of Engineers  
Sacramento, California  
November 1961

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<b>LOCATION</b>	<b>ADDITION OR REVISION</b>	<b>DATE</b>
1-04 y.	Add Contract No. 64-74	Oct 1964
Exhibit B	Added Drawing No. 50-4-3735	Oct 1964
Exhibit F	Added letter of transfer dated 16 Nov 1963	Oct 1964
Exhibit F	Added letter of acceptance dated 16 Sep 1964	Oct 1964
Exhibit F	Add copy of letter of transfer dated 27 Nov 1950	22 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 8 Jan 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 transfer dated 8 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 10 Feb 1961	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 25 Aug 1964	2 Feb 2011
1-04	Add subparagraph aa	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 5 Jan 1984	2 Feb 2011

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SECTION I  
INTRODUCTION

1-01. Location. - The improvement covered by this manual is that part of the Sacramento River Flood Control Project levee and channel that is located in Yolo County, California and lies in the alluvial flood plain area from the Yolo Bypass to about 11 miles westerly of the bypass and about 3 miles northerly of Woodland, California. Description by levee mileage follows: Unit No. 1 the left bank of Cache Creek from near the town of Yolo to the Yolo Bypass, mile 0.00 to mile 11.81; a short reach upstream of the town of yolo from mile 0.00 to mile 0.20 on the right bank of Cache Creek; Unit No. 2 on the right bank of Cache Creek from the town of Yolo to the West Training Levee from mile 0.00 to mile 6.94; Unit No. 3, the West Training Levee from mile 0.00 to 1.81; Unit No. 4, the East Training Levee from mile 0.00 to mile 2.61; also the east levee of the Settling Basin that is likewise the west levee of the Yolo Bypass extending for a distance of about 1.48 miles; and the south levee of the Settling Basin that extends for a distance of about 1.98 miles. The general location is as shown on the vicinity map, Exhibit A-1.

1-02. Project works. - The project works covered by this manual is a part of the Sacramento River Flood Control Project authorized by the Flood Control Act of 1917, as modified by the Acts of 1928, 1937, and 1941, and consists of the levees and channel of Cache Creek and settling basin from the Yolo Bypass to high ground as described in paragraph 1-01 above.

1-03. Protection provided. - Levees of Cache Creek, as described in this unit, provide direct protection to agricultural land along lower Cache Creek upstream from the Yolo Bypass and adjacent to the City of Woodland. In addition, the levees protect U. S. Highway No. 99W and alternate Highway No. 40, the mainline route and one branchline route of the Southern Pacific Railroad, several county roads and the unincorporated town of Yolo. Along the north (left bank) levee of Cache Creek the grade of the adopted flood plane profile varies from elevation 92.0 at the upper end to elevation 35.1 at the Yolo Bypass. Along the south (right bank) levee of Cache Creek the grade of the adopted flood plane profile varies from elevation 87.2 at the upper end to elevation 50.4 at its junction with the West Training Levee. Along the West Training Levee the flood

Cache Creek

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1-04. Construction data and contractor. - Work required by the Corps of Engineers to bring levees of this unit to project standards was accomplished under the following contracts:

- a. Levee repairs along Yolo Bypass and Cache Creek was accomplished under Contract No. W-1105-eng-2036 by Haas, Doughty, Jones, Marshall & Stacy, contractors and completed on 20 September 1938.
- b. Setback of the south levee of Cache Creek approximately one mile west of the Woodland-Knights Landing Bridge was accomplished by hired labor under Job Order No. 618 and completed on 15 August 1940.
- c. Setback of the south levee of Cache Creek at 1/2 mile above Dunhams Ranch was accomplished by hired labor under Job Order No. 647 and completed on 31 August 1940.
- d. Repair of a levee break on Cache Creek on the north levee about 3 miles west of the Woodland-Knights Landing Bridge was accomplished by hired labor under Job Order No. 634 and completed on 30 September 1940.
- e. Raising and strengthening the existing south levee of the Cache Creek Settling Basin was accomplished under Contract No. W-1105-eng-2881 by S. A. Marshall, contractor, and completed on 9 December 1940.
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- g. Repair of levees on the Cache Creek Settling Basin was accomplished under Contract No. W-1105-eng-2925 by Frederickson & Westbrook, contractor, and completed on 16 December 1940.
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k. Building of the East Training Levee of Cache Creek to grade and section was accomplished by hired labor under Job Order No. 893, and completed on 31 January 1943.

l. Construction of the north levee of Cache Creek from the Power Line Road east to the East Training Levee was accomplished by hired labor under Job Order No. 890, and completed on 31 March 1943.

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o. Repairs to the north and south levees of Cache Creek in the vicinity of the S.P.R.R. Knights Landing Branch was accomplished by hired labor under Job Order No. 906 and completed on 15 September 1943.

p. Construction of the East Training Levee from the west levee of Yolo Bypass west 1.5 miles was accomplished under Contract No. W-04-167-eng-70 by Larson & Harms, contractor, and completed on 4 January 1944.

q. Construction of a sill at the opening of the Cache Creek Settling Basin was accomplished under Contract No. W-04-167-eng-328 by H. Earl Parker, contractor, and completed on 7 January 1944.

r. Bank protection along the west levee of the Yolo Bypass at the east end of the Cache Creek Settling Basin was accomplished by hired labor under Job Order No. 939, and completed on 31 June 1944.

s. Construction of the Settling Basin entrance channel and training levee of Cache Creek was accomplished under Contract No. W-04-167-eng-1728 by H. Earl Parker, Inc., during the period from 9 December 1949 to 28 June 1950.

t. Surfacing of the West Training Levee of Cache Creek and Settling Basin entrance channel was accomplished under Contract No. DA-04-167-eng-585 by A. Teichert & Son, Inc., during the period from 1 August 1951 to 14 August 1951.

u. Emergency levee repairs on the right bank of Cache Creek near the Settling Basin entrance channel was accomplished under Contract No. DA-04-167-CIVENG-56-248 by Lee Stephens, contractor, during the period from 26 June 1956 to 20 July 1956.

v. Emergency repairs of the south levee of the Cache Creek Settling Basin was accomplished under Contract No. DA-04-167-CIVENG-57-39 by the Fresno Paving Company during the period from 20 September 1956 to 9 November 1956.

w. Emergency repairs of the east levee of the Cache Creek Settling Basin was accomplished under Contract No. DA-04-167-CIVENG-57-77 by the Fresno Paving Company during the period from 16 October 1956 to 20 November 1956.

x. Construction of the levees of Cache Creek from Yolo Bypass to high ground was accomplished under Contract No. DA-04-167-CIVENG-60-98 by A. Teichert & Son, Inc., during the period from 11 July 1960 to 21 February 1961.

y. Stone protection along the Yolo Bypass was accomplished under Contract No. DA-04-167-CIVENG-64-74 by the Chandler-Newman Construction Company during the period from 14 April 1964 to 12 August 1964, Specification No. 2917. Drawing No. 50-4-3735.

z. Emergency repairs to project levees on Cache Creek, Yolo County, was accomplished under Contract No. DACW05-83-C-0140 by Dave Mendez, Inc.

Specification No. 6878 Drawing No. CC-4-34.

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

1-07. Acceptance by the State Reclamation Board. - Responsibility for operating and maintaining the completed flood control work along Cache Creek, the Cache Creek Settling Basin and Training Levees was accepted by the State Reclamation Board by letter dated 17 February 1961, as shown on the attached letter, EXHIBIT F.

1-08. Inspection procedure. - Since the enactment of State Legislation of Chapter 1528, Statutes of 1947, the Department of Water Resources, State of California, has made semi-annual inspections of all levees of authorized flood control projects in the Sacramento-San Joaquin drainage basin pursuant to the Federal Regulations of 16 August 1944 (Title 33), and reports its findings to the local agency, the State Reclamation Board and the Sacramento District, Corps of Engineers, U. S. Army. This activity, initiated pursuant to Section 208.10(a) of the Federal Regulations, has in effect provided for transfer from the local agencies to the State Department of Water Resources the obligation of

compliance with Sections 8371, 8372, and 8373 of the Water Code of the State of California. These sections of the Code require the local responsible agencies to submit a report to the State Department of Water Resources on or before 1 June of each year on the condition of the levees within their jurisdiction. Supervisory powers and duties of the Department are applicable to all works of the Sacramento River Flood Control Project maintained and operated by the local agencies without regard to status of completion, or expenditure of Federal funds on the construction of such works.

The following procedure is used in inspecting the levees of the responsible maintaining agency:

Personnel of the State Department of Water Resources make a detailed inspection in the spring and fall of each year and made a report on any required maintenance. The inspection objectives are to determine if the following items, which are a condensation of Federal Regulations, are being adhered to:

- a. That all brush, trees and wild growth other than sod are removed from the levee crown and slopes.
- b. That all weeds, grass and debris on the levee have been burned during the appropriate season, where not dangerous or impractical.
- c. That all grass and weeds on the levee have been mowed where removal by burning is dangerous or impracticable. This applies only on peat levees or where burning would constitute a hazard to improvements.
- d. That all burrowing animals have been exterminated.
- e. That all caves, sloughs, burrows, holes, slips or other damaged portions of the levee have been repaired.
- f. That all irrigation and drainage structures through the levee are in good working condition.
- g. That no revetment work or riprap have been displaced, washed out or removed.
- h. That the crown of the levee is well shaped and maintained and that unauthorized vehicular travel is restricted.
- i. That stock grazing on the levee is restricted to conditions and seasons when the levee would not be seriously scarred or otherwise damaged thereby.
- j. That encroachments are not being erected on the levee which would hinder travel by authorized patrol vehicles.

k. Prevent the erection of structures on, additions to, or alterations of, the levee unless authorized by permit from the State Reclamation Board.

Following this detailed inspection a joint field inspection is made with representatives of the responsible maintaining agency and the State Department of Water Resources to review and discuss the inspection report.

Upon completion of the fall inspection the State Department of Water Resources publishes an annual report entitled, "Status of Project Levee Maintenance" which indicates the degree of proficiency attained by each obligated local agency in providing required maintenance.

SECTION II  
FEATURES OF THE PROJECT SUBJECT TO FLOOD CONTROL REGULATIONS

2-01. Levees. -

a. Description. Levees described in this manual lie along both banks of Cache Creek from the Settling Basin Entrance Channel upstream about 7.8 miles along the left bank and about 6.9 miles along the right bank (south levee). The north levee extends for a distance of about 3.8 miles; the east levee of the Settling Basin is about 1.2 miles long with a weir near the center about 0.3 miles long; the south levee of the Settling Basin 2.0 miles long; and the two training levees are about 2.5 miles long, each. The levees have been reconstructed with slopes of 1 on 3 waterside and 1 on 2 landside with a crown width of 12 feet, except the north levee and the East Settling Basin levee that has a crown width of 20 feet. The necessary drainage structures, road approaches, bank protection, and appurtenances were also included in the work. For more complete detail in construction of the above-mentioned levees, refer to the "As Constructed" drawings of EXHIBIT B.

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) Suggested 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. Settling Basin. The Cache Creek Settling Basin Entrance Channel and Training Levees portion of the project consists of the excavated channel and the east and west training levees of Cache Creek located near the mouth of Cache Creek at its junction with the Yolo Bypass. The purpose of the project works is to give protection to adjacent agricultural lands against flood flows and to provide a means for control of sediment deposits whereby silt and debris will be deposited against the south levee of the Settling Basin thence progress upstream as the sediment accumulates. Due to the fact that the plan of operation for control of the settling basin involves breaching of the lower end of the east training levee as required to regulate deposition of sediment, above quoted regulations may be somewhat modified for the east training levee. Encroachment of debris deposits in the Settling Basin cannot be predicted in advance, therefore, a schedule or plan for control of debris and breaching of the east levee cannot be advanced. It will be necessary to meet the problem as it arises in the future.

2-02. Drainage and irrigation structures. -

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

Levee Mile	Size of Pipe	Other Structure Description	Feet Below Crown
<u>Unit No. 1 - North Levee of Cache Creek</u>			
1.17	24" CMP	Riser unit W.S. - Pump W.S.	6.0
2.24	20" Steel	P.G.&E. gas line	4.0
44.98	4" Steel	Gas line	
<u>Unit No. 2 - South Levee of Cache Creek</u>			
0.44	20" Steel	P.G.&E. gas line	3.0
3.07	4" Steel	Gas line	4.0
3.43	24" CMP	Riser unit W.S. - Pump W.S.	6.0
<u>Unit No. 3 - West Training Levee of Cache Creek Settling Basin</u>			
1.37	36" Concrete	Pipe crosses under channel	17.5
1.56	36" Concrete	Slide gate W.S.	17.2
<u>Unit No. 4 - East Training Levee of Cache Creek Settling Basin</u>			
2.45	36" Concrete	Pipe crosses under channel	16.5
<u>South Levee of Cache Creek Settling Basin</u>			
0.01	42" CMP		5.5

Note on abbreviations:

CMP = Corrugated Metal Pipe  
W.S. = Water Side

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) Suggested 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 and floodway of Cache Creek lies adjacent to and between the levees as described in paragraph 1-02. The project design capacities of said channels are as listed in paragraph 1-03 of this manual.

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) Suggested Check Lists - EXHIBIT E of this Supplement Manual.

(3) Operation - paragraph 6-04 of the Standard Manual.

(4) Safety Requirements - 6-05 of the Standard Manual.

It shall be the duty of the local agency responsible for maintenance to keep in contact with the State Department of Water Resources' Flood Operation Center during all periods of flood danger, and maintain a patrol of the project works in their area during periods of flood in excess of a reading of 25.0 on the gage located on the left bank of Cache Creek upstream from the town of Yolo, as referred to in paragraph 1-05 of this manual.

The Flood Operations Center is responsible for data collection and issuance of a joint river forecast with the U. S. Weather Bureau and coordinates with the Sacramento District Engineer, and other agencies to keep apprised of the current situation in accordance with terms of the Memorandum of Understanding dated 1 November 1956, between the Division Engineer, U. S. Army Engineer Division, South Pacific, and the Director, Department of Water Resources, State of California for cooperative action during flood emergencies.

2-04. Miscellaneous facilities. -

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

(1) Bridges.

- (a) County Road No. 102 Bridge located at about station 532+00.
- (b) S.P.R.R. Bridge branch line located at about station 450+80.
- (c) Alternate U. S. Highway No. 40 Bridge (State Hyw. No. 24) located at about station 413+00.
- (d) S.P.R.R. Bridge located at about station 244+50 near Yolo.
- (e) U. S. Highway 99W Bridge (abandoned) located at about station 243+50.
- (f) U. S. Highway 99W Bridge (new) located at about station 241+90.

(2) Utility relocation. Because of the nature of the construction of structures by local interests, records of utility relocations are not available.

(3) Hydrologic facilities. U. S. Geological Survey continuous recorder and staff gage located on the left bank of Cache Slough about 700 feet upstream from U. S. Highway 99W Bridge (new). This gage to be maintained by the U.S.G.S.

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) Suggested Check Lists - paragraph 7-03 of the Standard Manual.
- (3) Operation - paragraph 7-04 of the Standard Manual.

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

3-01. Repair of damage. - In the event of serious damage to the project works, whether due to flood conditions or other causes, and which may be beyond the capability of local interests to repair, the local agency responsible for maintenance will contact a representative of the Department of Water Resources, State of California, who coordinates maintenance of project works of the Sacramento River Flood Control Project. The State representative will give assistance or advise, 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 Standard Operation and Maintenance Manual, revised May 1955, where the subject is fully covered.

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YOLO BYPASS TO HIGH GROUND

REVISIONS OR ADDITIONS

ADDITIONS	DATE
Paragraph 1-04 y. ----- add Contract No. 64-74	Oct. 1964
EXHIBIT B ----- add Drawing No. 50-4-3735	Oct. 1964
EXHIBIT F ----- add copy of letter of acceptance dated 16 September 1964	Oct. 1964

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SECTION III - REPAIR OF DAMAGE TO PROJECT WORKS  
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EXHIBITS

<u>Exhibit</u>	<u>Description</u>
A	Flood Control Regulations-----Unattached (Contained in Standard Manual)
A-1	Location Map-----1 Sheet
B	"As Constructed" Drawings-----Unattached
C	Plates of Suggested Flood Fighting Methods (Contained in Standard Manual)-----Unattached
D	Suggested Check List No. 1 - Levee Inspection Report (Contained in Standard Manual)-----Unattached
E	Suggested Check List - Levee, Channels and Structures-----Sheets 1 thru 7
F	Letter of Acceptance by the State Reclamation Board-----1 Sheet
G	Suggest Semi-Annual Report Form-----Sheets 1 and 2

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27 Jun 1983 - PK est = 57,000 at Rumbly  
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q. Construction of a sill at the opening of the Cache Creek Settling Basin was accomplished under Contract No. W-04-167-eng-328 by H. Earl Parker, contractor, and completed on 7 January 1944.

r. Bank protection along the west levee of the Yolo Bypass at the east end of the Cache Creek Settling Basin was accomplished by hired labor under Job Order No. 939, and completed on 31 June 1944.

s. Construction of the Settling Basin entrance channel and training levee of Cache Creek was accomplished under Contract No. W-04-167-eng-1728 by H. Earl Parker, Inc., during the period from 9 December 1949 to 28 June 1950.

t. Surfacing of the West Training Levee of Cache Creek and Settling Basin entrance channel was accomplished under Contract No. DA-04-167-eng-585 by A. Teichert & Son, Inc., during the period from 1 August 1951 to 14 August 1951.

u. Emergency levee repairs on the right bank of Cache Creek near the Settling Basin entrance channel was accomplished under Contract No. DA-04-167-CIVENG-56-248 by Lee Stephens, contractor, during the period from 26 June 1956 to 20 July 1956.

v. Emergency repairs of the south levee of the Cache Creek Settling Basin was accomplished under Contract No. DA-04-167-CIVENG-57-39 by the Fresno Paving Company during the period from 20 September 1956 to 9 November 1956.

w. Emergency repairs of the east levee of the Cache Creek Settling Basin was accomplished under Contract No. DA-04-167-CIVENG-57-77 by the Fresno Paving Company during the period from 16 October 1956 to 20 November 1956.

x. Construction of the levees of Cache Creek from Yolo Bypass to high ground was accomplished under Contract No. DA-04-167-CIVENG-60-98 by A. Teichert & Son, Inc., during the period from 11 July 1960, to 21 February 1961.

y. Stone protection along the Yolo Bypass was accomplished under Contract No. DA-04-107-CIVENG-64-74 by the Chandler-Newman Construction Company during the period from 14 April 1964 to 12 August 1964. Specification No. 2917, Drawing No. 50-4-3735.

z. Emergency repairs to project levees on Cache Creek, Yolo County, was accomplished under Contract No. DACW05-83-C-0140 by Dave Mendez, Inc. Specification No. 6878 Drawing No. CC-4-34.

aa. Bank protection work along the west levee of Yolo Bypass, Levee Mile 0.25 to 1.52, was completed on 22 November 1983 by the Department of Water Resources under Contract No. DACW05-83-C-0147.

1-06. Assurances ;provided by local interests. - Assurance of cooperation by local interests is provided by state legislation as contained in Chapter 3, Part 2, Division 5 of the state Water Code. (See paragraph 2-02a of the Standard Manual).

1-07. Acceptance by the State Reclamation Board. - Responsibility for operating and maintaining the completed flood control work along Cache Creek, the Cache Creek Settling Basin and Training Levees was accepted by the state Reclamation Board by letter dated 17 February 1961, as shown on the attached letter, EXHIBIT F.

1-08. Inspection procedure. - Since the enactment of State Legislation of Chapter 1528, Statutes of 1947, the Department of Water Resources, State of California, has made semi-annual inspections of all levees of authorized flood control projects in the Sacramento-San Joaquin drainage basin pursuant to the Federal Regulations of 16 August 1944 (Title 33) and reports its findings to the local agency, the State Reclamation Board and the Sacramento District, Corps of Engineers, U. S. Army. This activity, initiated pursuant to Section 208.10(a) of the Federal Regulations, has in effect provided for transfer from the local agencies to the State Department of Water Resources the obligation of..... (continued on page 5)

compliance with Sections 8371, 8372, and 8373 of the Water Code of the State of California. These sections of the Code require the local responsible agencies to submit a report to the State Department of Water Resources on or before 1 June of each year on the condition of the levees within their jurisdiction. Supervisory powers and duties of the Department are applicable to all works of the Sacramento River Flood Control Project maintained and operated by the local agencies without regard to status of completion, or expenditure of Federal funds on the construction of such works.

The following procedure is used in inspecting the levees of the responsible maintaining agency:

Personnel of the State Department of Water Resources make a detailed inspection in the spring and fall of each year and made a report on any required maintenance. The inspection objectives are to determine if the following items, which are a condensation of Federal Regulations, are being adhered to:

- a. That all brush, trees and wild growth other than sod are removed from the levee crown and slopes.
- b. That all weeds, grass and debris on the levee have been burned during the appropriate season, where not dangerous or impractical.
- c. That all grass and weeds on the levee have been mowed where removal by burning is dangerous or impracticable. This applies only on peat levees or where burning would constitute a hazard to improvements.
- d. That all burrowing animals have been exterminated.
- e. That all caves, sloughs, burrows, holes, slips or other damaged portions of the levee have been repaired.
- f. That all irrigation and drainage structures through the levee are in good working condition.
- g. That no revetment work or riprap have been displaced, washed out or removed.
- h. That the crown of the levee is well shaped and maintained and that unauthorized vehicular travel is restricted.
- i. That stock grazing on the levee is restricted to conditions and seasons when the levee would not be seriously scarred or otherwise damaged thereby.
- j. That encroachments are not being erected on the levee which would hinder travel by authorized patrol vehicles.

k. Prevent the erection of structures on, additions to, or alterations of, the levee unless authorized by permit from the State Reclamation Board.

Following this detailed inspection a joint field inspection is made with representatives of the responsible maintaining agency and the State Department of Water Resources to review and discuss the inspection report.

Upon completion of the fall inspection the State Department of Water Resources publishes an annual report entitled, "Status of Project Levee Maintenance" which indicates the degree of proficiency attained by each obligated local agency in providing required maintenance.

SECTION II  
FEATURES OF THE PROJECT SUBJECT TO FLOOD CONTROL REGULATIONS

2-01. Levees. -

a. Description. Levees described in this manual lie along both banks of Cache Creek from the Settling Basin Entrance Channel upstream about 7.8 miles along the left bank and about 6.9 miles along the right bank (south levee). The north levee extends for a distance of about 3.8 miles; the east levee of the Settling Basin is about 1.2 miles long with a weir near the center about 0.3 miles long; the south levee of the Settling Basin 2.0 miles long; and the two training levees are about 2.5 miles long, each. The levees have been reconstructed with slopes of 1 on 3 waterside and 1 on 2 landside with a crown width of 12 feet, except the north levee and the East Settling Basin levee that has a crown width of 20 feet. The necessary drainage structures, road approaches, bank protection, and appurtenances were also included in the work. For more complete detail in construction of the above-mentioned levees, refer to the "As Constructed" drawings of EXHIBIT B.

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) Suggested 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. Settling Basin. The Cache Creek Settling Basin Entrance Channel and Training Levees portion of the project consists of the excavated channel and the east and west training levees of Cache Creek located near the mouth of Cache Creek at its junction with the Yolo Bypass. The purpose of the project works is to give protection to adjacent agricultural lands against flood flows and to provide a means for control of sediment deposits whereby silt and debris will be deposited against the south levee of the Settling Basin thence progress upstream as the sediment accumulates. Due to the fact that the plan of operation for control of the settling basin involves breaching of the lower end of the east training levee as required to regulate deposition of sediment, above quoted regulations may be somewhat modified for the east training levee. Encroachment of debris deposits in the Settling Basin cannot be predicted in advance, therefore, a schedule or plan for control of debris and breaching of the east levee cannot be advanced. It will be necessary to meet the program as it arises in the future.

2-02. Drainage and irrigation structures. -

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

Levee Mile	Size of Pipe	Other Structure Description	Feet Below Crown
<u>Unit No. 1 - North Levee of Cache Creek</u>			
1.17	24" CMP	Riser unit W.S. - Pump W.S.	6.0
2.24	20" Steel	P.G.&E. gas line	4.0
44.98	4" Steel	Gas line	
<u>Unit No. 2 - South Levee of Cache Creek</u>			
0.44	20" Steel	P.G.&E. gas line	3.0
3.07	4" Steel	Gas line	4.0
3.43	24" CMP	Riser unit W.S. - Pump W.S.	6.0
<u>Unit No. 3 - West Training Levee of Cache Creek Settling Basin</u>			
1.37	36" Concrete	Pipe crosses under channel	17.5
1.56	36" Concrete	Slide gate W.S.	17.2
<u>Unit No. 4 - East Training Levee of Cache Creek Settling Basin</u>			
2.45	36" Concrete	Pipe crosses under channel	16.5
<u>South Levee of Cache Creek Settling Basin</u>			
0.01	42" CMP		5.5

Note on abbreviations:

CMP = Corrugated Metal Pipe  
W.S. = Water Side

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) Suggested 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 and floodway of Cache Creek lies adjacent to and between the levees as described in paragraph 1-02. The project design capacities of said channels are as listed in paragraph 1-03 of this manual.

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) Suggested Check Lists - EXHIBIT E of this Supplement Manual.

(3) Operation - paragraph 6-04 of the Standard Manual.

(4) Safety Requirements - 6-05 of the Standard Manual.

It shall be the duty of the local agency responsible for maintenance to keep in contact with the State Department of Water Resources' Flood Operation Center during all periods of flood danger, and maintain a patrol of the project works in their area during periods of flood in excess of a reading of 25.0 on the gage located on the left bank of Cache Creek upstream from the town of Yolo, as referred to in paragraph 1-05 of this manual.

The Flood Operations Center is responsible for data collection and issuance of a joint river forecast with the U. S. Weather Bureau and coordinates with the Sacramento District Engineer, and other agencies to keep appraised of the current situation in accordance with terms of the Memorandum of Understanding dated 1 November 1956, between the Division Engineer, U. S. Army Engineer Division, South Pacific, and the Director, Department of Water Resources, State of California for cooperative action during flood emergencies.

2-04. Miscellaneous facilities. -

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

(1) Bridges.

station 532+00.

(a) County Road No. 102 Bridge located at about

station 450+80.

(b) S.P.R.R. Bridge branch line located at about

Hyw. No. 24) located at about station 413+00.

(c) Alternate U. S. Highway No. 40 Bridge (State

near Yolo.

(d) S.P.R.R. Bridge located at about station 244+50

at about station 243+50.

(e) U. S. Highway 99W Bridge (abandoned) located

station 241+90.

(f) U. S. Highway 99W Bridge (new) located at about

(2) Utility relocation. Because of the nature of the construction of structures by local interests, records of utility relocations are not available.

(3) Hydrologic facilities. U. S. Geological Survey continuous recorder and staff gage located on the left bank of Cache Slough about 700 feet upstream from U. S. Highway 99W Bridge (new). This gage to be maintained by the U.S.G.S.

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) Suggested Check Lists - paragraph 7-03 of the Standard Manual.

(3) Operation - paragraph 7-04 of the Standard Manual.

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

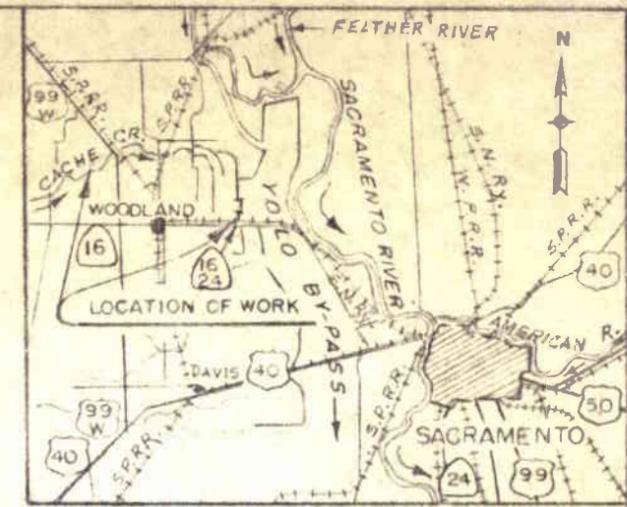
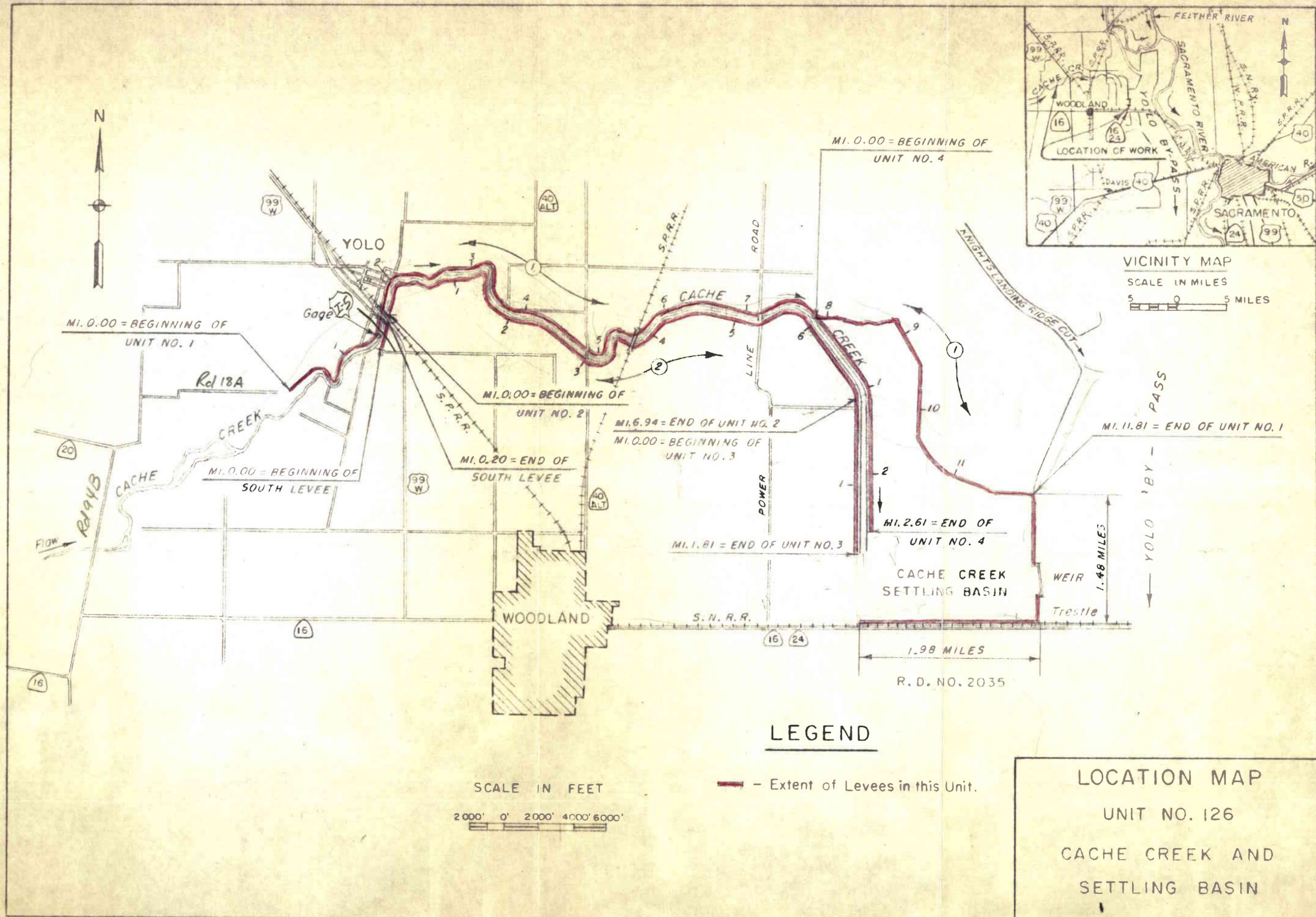
3-01. Repair of damage. - In the event of serious damage to the project works, whether due to flood conditions or other causes, and which may be beyond the capability of local interests to repair, the local agency responsible for maintenance will contact a representative of the Department of Water Resources, State of California, who coordinates maintenance of project works of the Sacramento River Flood Control Project. The State representative will give assistance or advise, 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 Standard Operation and Maintenance Manual, revised May 1955, where the subject is fully covered.

EXHIBIT A

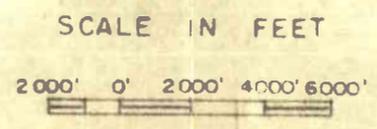
FEDERAL FLOOD CONTROL REGULATIONS

(SEE STANDARD MANUAL)



**LEGEND**

— Extent of Levees in this Unit.



**LOCATION MAP**  
UNIT NO. 126  
CACHE CREEK AND  
SETTLING BASIN

EXHIBIT B  
"AS CONSTRUCTED"  
DRAWINGS

See separate folder for the following drawings:

<u>File No.</u>	<u>Title</u>
50-4-1548-2	Yolo Bypass and Cache Creek, in 3 sheets
50-4-1824	Setback South Levee of Cache Creek 1 mile west of the Woodland-Knights Landing Bridge, 1 sheet
50-4-1842	Repair Breach in North Levee 3 miles west of Woodland-Knights Landing Bridge, 1 sheet
50-4-1822-1	Cache Creek Settling Basin, 1 sheet
50-4-1841	Repair Breach in North Levee 1 mile west of Woodland-Knights Landing Bridge, 1 sheet
50-4-1759	Cache Creek Settling Basin, 1 sheet
50-4-1933	North Levee Knights Landing Bridge Branchline to Main-line S.P.R.R., in 2 sheets
50-4-2022	North Levee S.P.R.R. Branchline Upstream 1,800 feet, 1 sheet
50-4-2030	South Levee S.P.R.R. Bridge Downstream 0.66 miles, 1 sheet
50-4-2034	Raise South Levee Power Road upstream 4.8 miles, in 3 sheets
50-4-2038	North Levee - Power Road east 1.5 miles, 1 sheet
50-4-2039	East Training Levee 1.8 miles, 1 sheet
50-4-2185	Cache Creek Settling Basin, 1 sheet
50-4-2186	Cache Creek Settling Basin, 1 sheet
50-4-2187	Sill at Opening of Cache Creek Settling Basin, 1 sheet
50-4-2615	Settling Basin Entrance Channel and Training Levee in 4 sheets
50-4-2847	Surfacing Settling Basin, 1 sheet
50-4-3218	Emergency-Right Bank Cache Creek Settling Basin Entrance Channel, 1 sheet
50-4-3302	Emergency South Levee Settling Basin from Yolo Bypass upstream 1.5 miles, 1 sheet
50-4-3316	Emergency East Levee Cache Creek Settling Basin, 1 sheet
50-4-3227	Cache Creek Levee Construction - Yolo Bypass to highground in 34 sheets
50-4-3735	Bypass Levee Revetment-Sutter and Yolo Bypasses, in 8 sheets.
CC-4-34	Cache Creek Levee System, Emergency Levee Repairs, in 3 sheets.

EXHIBIT B  
Unattached

EXHIBIT C

PLATES OF SUGGESTED FLOOD FIGHTING METHODS

(SEE STANDARD MANUAL)

EXHIBIT C  
Unattached

EXHIBIT D

SUGGESTED CHECK LIST NO. 1

LEVEE INSPECTION REPORT

(SEE STANDARD MANUAL)

EXHIBIT D

EXHIBIT E

SUGGESTED CHECK LISTS OF LEVEES,

CHANNEL AND STRUCTURES

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

SUGGESTED CHECK LIST NO. 2  
UNIT NO. 126

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

Item	Remarks
(a) Location by Station	
(b) Settlement, sloughing, or loss of grade	
(c) Erosion of both levee slopes	
(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.

SUGGESTED CHECK LIST NO. 3

CHANNEL AND RIGHT-OF-WAY

UNIT NO. 126

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

Date \_\_\_\_\_ Superintendent \_\_\_\_\_

---

(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 a aggradation or  
degradation

---

(f) Condition or 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.

SUGGESTED CHECK LIST NO. 4

DRAINAGE AND IRRIGATION STRUCTURES

UNIT NO. 126

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

Inspector \_\_\_\_\_

Date \_\_\_\_\_

Superintendent \_\_\_\_\_

(a) Location by levee mileage	(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>Unit No. 1-North Levee of Cache Creek</u>							
1.17	Lt.						
2.24	Lt.						
4.98	Lt.						
<u>Unit No. 2-South Levee of Cache Creek</u>							
0.44	Rt.						
3.07	Rt.						
3.43	Rt.						
<u>Unit No. 3-West Training Levee of Cache Creek Settling Basin</u>							
1.37	Rt.						R
1.56	Rt.						
<u>Unit No. 4-East Training Levee of Cache Creek Settling Basin</u>							
2.45	Lt.						

EXHIBIT E  
Sheet 6 of 7

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  
THE STATE RECLAMATION BOARD

EXHIBIT F

REGISTERED MAIL  
Return Receipt  
Requested

NOV 27 1950

PSKKO-P 824.3(Cache Creek)

C. deArrieta

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

Gentlemen:

Reference is made to letter from this office dated 23 June 1950 and letter from your office dated 26 June 1950 wherein a procedure for transfer of completed units of the Sacramento River Flood Control Project was proposed and accepted respectively. Reference is also made to letter from this office dated 16 November 1950 indicating that the flood control works covering the Settling Basin Entrance Channel and Training levee of Cache Creek near Woodland, California, are considered in suitable condition for transfer to the State of California for maintenance under the terms of the project document. At the same time it is indicated in this letter that the Corps of Engineers will perform additional work, recommended by the State Engineer, when funds are made available. This work will consist of gravelling the crown of the easterly training levee for a distance of approximately 1.25 miles and along the entire length of the westerly levee of Cache Creek Settling Basin and will include construction of turnouts essential for vehicular travel.

In accordance with the two letters referred to above said "Settling Basin Entrance Channel and Training Levees" of Cache Creek located near Woodland, California, completed 28 June 1950 under Contract DA-04-167-eng-1728, by H. Earl Parker, contractor, is hereby transferred to the State of California as of 15 November 1950, contingent on the provisions indicated in the letter of 16 November 1950 referred to above.

There is inclosed a copy of the Flood Control Regulations prescribed by the Secretary of the Army pursuant to the provisions of Section 3 of the Act of Congress approved 22 June 1936, as amended and supplemented, to govern the maintenance and operation of flood control works, of which

Unit 38A

PSKKO-P 824.3(Cache Creek)  
The Reclamation Board

the construction referred to is a part. In accordance with paragraph 208.10(10) of these regulations, this office will furnish you and local interests at a later date, with an operation and maintenance manual to assist in carrying out the obligations established. Copies of the contract drawings were previously furnished to you with letter from this office dated 21 July 1950.

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

Sincerely yours,

1 Incl  
Flood Control  
Regulations

cc: State Engr. w/Incl  
OCE w/o Incl  
Div. Engr. w/o Incl  
Engr. Div. w/o Incl(2)  
CdeA w/o Incl (2) ✓

C. C. HAUG  
Lt. Colonel, Corps of Engineers  
District Engineer

Unit 38A

1/8/51

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

EARL WARREN  
GOVERNOR

A. M. BARTON  
CHIEF ENGINEER AND GENERAL MANAGER  
FRED N. HOWSER, ATTORNEY GENERAL  
LEGAL ADVISER  
G. F. MELLIN  
ASSISTANT ENGINEER AND APPRAISER  
S. A. HONAKER  
ASSISTANT SECRETARY

THE RECLAMATION BOARD  
OF THE  
STATE OF CALIFORNIA  
1100 O STREET  
SACRAMENTO 14, CALIFORNIA

TELEPHONE: GILBERT 3-4671

January 8, 1951

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

*std 11/27/50*

Dear Sir:

Reference your file PSKKO-P 824.3 (Cache Creek) in which you advised this office of the state of completion of the Cache Creek Settling Basin Entrance Channel and Training levee and transferred the same to the State of California as of November, 1950, contingent upon the provisions indicated in your letter of 16 November 1950 relative to the graveling of the crown of the easterly training levee along certain stretches, including the construction of turnouts essential for vehicular travel.

The project is hereby accepted on behalf of the State of California for maintenance contingent upon the provisions of graveling be completed in accordance with your letter.

Yours very truly

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

By *S. A. Honaker*  
S. A. HONAKER  
Assistant Secretary

*from  
job  
add  
wp  
reob.*

SAH:emw

cc: Dept. Public Works  
Div. Water Resources

Unit 38A

824.3 (SAC. F. FOP) PSK

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

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

REGISTERED MAIL  
Receipt Receipt  
Requested

Letter No. 12

12

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

8 DEC 1951

The Reclamation Board  
State of California  
1100 "O" Street  
Sacramento 16, California

Gentlemen:

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

The levee reaches in question are located as follows:

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

b. Easterly levee of the Sacramento River.

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

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

143. (3) Mile 158.5 (North End Moulton Weir) to Mile 164.4 (Princeton Ferry). (man 2) ? 134

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

c. Westerly levee of the Sacramento River.

145. (1) Mile 59.9 to Mile 60.75. 116

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

62.65

Accepted by letter dated 9 March 1953

Letter 12 Items 140 to 198

12

SPKRA 024,5 (Sac. Riv. F.C.P.)  
The Reclamation Board

Letter No. 12

12

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

- ✓ 147. (8) Mile 62.65 to Mile 63.1 (South End Sacramento Weir). 116
- ✓ 148. (4) At Sacramento Weir. 158
- ✓ 149. (5) Mile 63.5 (North End Sacramento Weir) to Mile 67.11. 122
- ✓ 150. (6) Mile 68.42 to Mile 70.9. 122
- ✓ 151. (7) Mile 76.5 to Mile 81.7 (East End Fremont Weir). 123
- ✓ 152. (8) Along Fremont Weir. 157
- ✓ 153. (9) Mile 84.0 (West End Fremont Weir) to Mile 85.3. 128
- ✓ 154. (10) Mile 85.5 to Mile 85.9. 128
- ✓ 155. (11) Mile 87.6 to Mile 88.4. 128
- ✓ 156. (12) Mile 89.2 to Mile 89.8 (Knights Landing Highway Bridge). 128
- ✓ 157. (13) Mile <sup>89.2</sup>89.8 (Knights Landing Highway Bridge) to Sycamore Slough. 89.9 128
- ✓ 158. (14) Mile <sup>100.6</sup>100.6 to Mile 101.4. 128
- ✓ 159. (15) Mile 110.9 to Mile 111.2. 128

Reach No. 5

Reach No. 4

d. Westerly levee of the Feather River.

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

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

12

Letter No. 12

12

f. Easterly levee of the Feather River.

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

g. Levees protecting the City of Marysville. All 147

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

h. Levees protecting Reclamation District No. 10.

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

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

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

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

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

12

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

Letter No. 12

12

m. Southerly levee of the American River.

Reach  
No. 25 ✓

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

n. Westerly levee of the Yolo Bypass.

- ✓ 181. (1) Sacramento River to Knights Landing Ridge Cut. 127
- ✓ 182. (2) Knights Landing Ridge Cut to the northeast corner of the Cache Creek Settling Basin. 126
- 28 ✓ 183. (3) S.N.R.R. Woodland Branch to a point 1.6 miles southerly from said railroad. 121
- 28 ✓ 184. (4) From a point 1.6 miles southerly from the S.N.R.R. Woodland Branch to the Willow Slough Pipes. 121
- 28 ✓ 185. (5) From a point 1.48 miles southerly from the Willow Slough Pipes to a point 1.9 miles southerly from said pipes. 121
- 28 ✓ 186. (6) From a point 1.9 miles southerly from the Willow Slough Pipes to the Willow Slough Interceptor. 121
- 28 ✓ 187. (7) From the Willow Slough Interceptor to Highway U.S. 40. 120
- ✓ 24 ✓ 188. (8) From Highway U.S. 40 to Putah Creek. 119

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

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

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

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

s. Southerly levee of Knights Landing Ridge Cut. 127

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

12

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

Letter No. 12

12

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

- 26 ✓ 195 (S) { From a point 3,300 feet westerly from Yolo Bypass to a point 7,100 feet westerly from Yolo Bypass. 127  
Also covered under Unit No. 96-A
- 35 ✓ 196 t. That portion of the back or westerly levee of Hastings Tract which runs east and west along the County Road for a distance of approximately one mile. 107
- ✓ 197 u. Northerly levee of Sycamore Slough from Sacramento River to Knights Landing Outfall Gates. 130
- ✓ 198 v. Southerly levee of Sycamore Slough from Sacramento River to Knights Landing Outfall Gates. 132

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

The levee covered by Items a., b.(4), c.(1), c.(3), c.(5), c.(6), c.(7), c.(9), c.(10), c.(13), c.(15), d.(2), e., f.(1), f.(2), f.(4), f.(6), j., k., n.(4), n.(5), s.(2), s.(3), t., u. and v., 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.

FOR THE DISTRICT ENGINEER:

Sincerely yours,

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

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

12

2

This copy was  
furnished on  
24 Feb. 1953  
B. 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

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)

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.
11	Do	W. Levee Sacramento River Mile 87.6 to Mile 88.4;	Maintained by R.D. No. 730 Completed contracts.
(155) (156) (157)		Mile 89.2 to Sycamore Slough	
(158) 11	Do	W. Levee Sacramento River Mile 100.6 to Mile 101.4	Maintained by Sacramento River West Side Levee District. Completed contract.
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.
(160) (161) (162) (163)			
(164) 11	Do	E. Levee Sacramento River, Natomas Cut to Feather River	Maintained by Recl.Dist.No.1001.
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.
(165) (166) (167) (168) (169) (170)			

Accepted  
Items

5

No.	Date of Letter	Levee Location	Remarks
(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.

SPKCO-C

10 FEB 1961

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

Gentlemen:

Reference is made to the joint inspection made on 10 January 1961 of flood control work along Cache Creek and Settling Basin Training Levees, for the purpose of transferring this work, upon completion, to the State of California for operation and maintenance.

This work, consisting of levee construction and modification on Cache Creek and Settling Basin Training Levees from Yolo Bypass to High Ground, is completed in accordance with Specification No. ~~7667~~ Contract No. DA-04-167-CIVENG-60-98 and Drawing No. 50-4-3227. *2610*

The flood control work described above now meets the requirements of the Sacramento River 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.

It is to be noted that the levee construction and modification work described above combined with other flood control work previously transferred to your jurisdiction now form continuous completed levee reaches on both banks of Cache Creek and Settling Basin Training Levees extending from Yolo Bypass to high ground. This completes all work on Cache Creek except for Item No. 82-1, "Reconstruction of damaged weir structure along east levee Cache Creek Settling Basin", outlined in supplement dated 25 November 1957, to Memorandum of Understanding entered into with the State of California covering added items of work at critical locations required to complete the Sacramento Flood Control Project.

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 by the current issue of the Standard Operation and Maintenance Manual for the

REGISTERED

RETURN RECEIPT REQUESTED

*Unit #665*

Unit #665

10 FEB 1961

SPKCO-C  
The Reclamation Board

Sacramento River Flood Control Project. As provided under Paragraph 208.10(10) of these regulations, a supplement to the Standard Operation and Maintenance Manual covering these units of work is in process of preparation and will be furnished to you upon completion.

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

Sincerely yours,

H. W. TURNER  
Colonel, CE  
District Engineer

1 Incl  
F.C. Reg.

Copy furnished:  
Dept Water Resources  
23rd & "R" Streets  
Sacramento, Calif. w/o incl

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

cc: Engr Divn-Prog & Dev Br w/o incl  
Engr Divn-Levees & Chan. Sec. w/o incl  
Northern Area Ofc w/o incl  
Opers Br w/o incl

OPERATIONS BRANCH  
CHANNELS & LEVEES SECTION

Unit #26

Concurrences	
Originator	LAK
Date	2/5/61
Dist.	
Engr.	
Asst. Dir. (A)	
Asst. D.E. (O)	
Exec. Asst.	
Cmptr.	
Budget	
Fin. & Acc.	
Mem.	
Property	
Office	
Engr.	
R. E.	
Print.	
Legal	
Supply	

SPKCO-C (The Recl. Board-Cache Creek)

#1-INSTRUCTIONS TO DELIVERING EMPLOYEE

Deliver ONLY to addressee  Show address where delivered

(Additional charges required for these services)

RETURN RECEIPT

Received the numbered article described on other side.

SIGNATURE OR NAME OF ADDRESSEE (must always be filled in)

Reclamation Board

SIGNATURE OF ADDRESSEE'S AGENT, IF ANY

M. Herzog

DATE DELIVERED

2/4/61

ADDRESS WHERE DELIVERED (only if requested in item #1)

C  
O  
P  
Y

THE RECLAMATION BOARD  
of the  
STATE OF CALIFORNIA

C  
O  
P  
Y

February 17, 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 February 10, 1961, File SPKKO-C regarding transfer to the State of the flood control work along Cache Creek and the Cache Creek Settling Basin and Training Levees.

The Reclamation Board at its meeting of February 16, 1961, formally accepted this levee section for operation and maintenance.

Reference is made to the next to last paragraph of your letter stating that under Paragraph 208.1(10) of your regulations, a supplement to the Operation and Maintenance Manual covering the transferred units of work is in the process of preparation and will be furnished to us upon completion. A portion of this project, consisting of the south levee of Cache Creek from Highway 99 upstream to high ground is being transferred to Yolo County for operation and maintenance. It is requested that we be furnished an additional supplement to the Standard Operation and Maintenance Manual for the use of Yolo County in maintaining the section of levee that was transferred to them.

Sincerely yours,

A. N. MURRAY  
General Manager and Chief Engineer

SPKKO-F

25 AUG 1964

The Reclamation Board  
State of California  
1215 "O" Street  
Sacramento, California 95814

Gentlemen:

Reference is made to joint inspections made on 22 July and 4 August 1964, on the Yolo Bypass Levee Revetment Sites No. 1 & 3, for the purpose of transferring them, upon completion, to the State of California for operation and maintenance.

The flood control work performed is described as follows:

a. Site No. 1 - Placement of stone revetment on the waterside slope of the west Yolo Bypass levee, beginning from the Sacramento-Northern Railroad crossing and running upstream 0.31 mile to the south end of the Cache Creek weir, and from the north end of the Cache Creek weir upstream 0.79 mile. *Unit 126*

b. Site No. 3 - Placement of stone revetment on the waterside slope of the Yolo Bypass east levee, beginning at the Sacramento Deep Water Channel and running upstream for a distance of 1.55 miles to the Yolo Causeway, U.S. Highway Interstate 80. *Unit 116*

c. 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 1955 (Public Law 534, 78th Congress, 2d Session). *44*

d. The work was completed on 12 August 1964 in accordance with Specification No. 2917, Contract No. DA-04-167-CIVENG-64-74 and Drawing No. 50-4-3735.

The flood control work described above now meets the requirements of the Sacramento River Major and Minor Tributaries Flood Control Project (Supplement of the Sacramento River Flood Control Project) and is hereby transferred to the State of California for operation and maintenance.

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

SPKKO-F  
The Reclamation Board

25 AUG 1964

These sites will be added by amendment to the O&M manual, Supplement Nos. 116 & 126, Sacramento River Flood Control Project, and furnished to your office at a later date.

Sincerely yours,

ROBERT E. MATHE  
Colonel, CE  
District Engineer

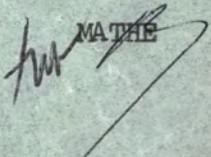
Copy furnished:  
Dept Water Resources  
O.C.E.  
S.P.D.

CC: Engr Div-Lev & Chan  
Engr Div-Prog Dev  
Valley Resident Ofc  
F & A Branch

  
COLEMAN/PP

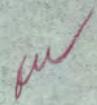
  
THOMPSON

  
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Units  
116, 126



THE RECLAMATION BOARD

September 16, 1964

Refer to: 7001.55.601  
4130.55.601

District Engineer  
Corps of Engineers  
U. S. Army  
P. O. Box 1739  
Sacramento, California - 95808

Dear Sir:

Reference is made to your letter of 25 August 1964, concerning transfer to the State of California of stone revetment on waterside slope of west Yolo Bypass levee, beginning from Sacramento Northern Railroad crossing running upstream 0.31 mile to south end of Chache Creek weir, and from north end of Cache Creek weir upstream 0.79 mile, and stone revetment on waterside slope of Yolo Bypass east levee, beginning at Sacramento Deep Water Channel and running upstream 1.55 miles to Yolo Causeway, in accordance with Specification No. 2917.

The Reclamation Board, at its meeting of September 3, 1964, formally accepted the above referred to work for operation and maintenance.

Sincerely yours,

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



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

REPLY TO  
ATTENTION OF

November 16, 1983

Navigation and Flood Control Unit

The Reclamation Board  
State of California  
1416 - 9th Street, Room 445  
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 October 28, 1983 and consisted of repairing the right bank levees of Cache Creek and the settling basin in accordance with Contract Number DACW05-83-C-0140 and Drawing Number CC-4-34. 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 shall be added by amendment to the Operation and Maintenance Manual, Supplement Number 126, 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

**CERTIFIED**  
No. 079772

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

*Bob Clark* *Amc*



January 5, 1984  
Navigation and Flood Control Unit

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

*#1-5*  
ROMPAIA/bs

Members of the Board:

You are hereby notified that the bank protection work along the Yolo Bypass west levee (Unit 2, L.M. 0.25 + to 1.52 +) has been completed by the Department of the Water Resources. The quarry stone was furnished and delivered to the work site by this office under Contract Number DACW05-83-C-0147 under the general authority of the Flood Control Act of December 22, 1944 (Public Law 534, 78th Congress, 2nd Session) as amended.

*RCK*  
KELLY

*AS*  
A. SMITH

Therefore, said flood control work together with the waterway banks contiguous thereto, are transferred as of November 10, 1983 to the State of California for operation and maintenance. The work shall be maintained in accordance with the requirements of the Sacramento River Major and Minor Tributaries Flood Control Project.

*HEM*

*B*  
BRUBAKER

*D*  
DENNIS

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Number 126, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

*WEDGELL*

*DIFFLEY*

Sincerely,

*LEE*

Arthur E. Williams  
Colonel, Corps of Engineers  
District Engineer

*WILLIAMS*

#1457a

✓ Copy Furnished:  
Commander, South Pacific Division, ATTN: SPDCO-0

CC: (lt)  
Div (Civ Des Sec D - Pahl)  
Val Res Ofc  
>Ops Br

*Unit 126*

*Copy in Yolo-SUTTER*  
*B.P. ODM*

3. Article Addressed to:	
Reclamation Board	
4. Article Number 792049	
Type of Service:	<input checked="" type="checkbox"/> Certified Mail
<input type="checkbox"/> Registered	<input type="checkbox"/> Return Receipt for Merchandise
<input type="checkbox"/> COD	<input type="checkbox"/> Insured

December 2, 1993

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 the enlargement of Cache Creek Settling Basin under authority of the Water Resources Development Act of 1986 (P/L 99-662). Minor work items requested by your Board remain to be completed and will be accomplished under a follow on contract scheduled to be issued next year.

The completed functional work consists of the enlargement of the north, east and west levees, construction of a new south levee, a new training levee, a training channel, a roller compacted concrete weir, a low flow channel, and a low flow outlet structure.

The work was completed on August 31, 1993, in accordance with Contract Number DACW05-91-C-0101, Specification Number 8528, and Drawing Number CC5-4-70. Therefore, the completed work is hereby transferred to the State of California for operation and maintenance as of the date of this letter.

The completed work will be operated and maintained in accordance with the Local Cooperation Agreement between the Department of the Army and the State of California dated March 12, 1990. An Operation and Maintenance Manual will be prepared for this work and furnished to your office at a later date.

We are aware of your concerns regarding the accumulated sediment in the training channel, the leaking gate at the low flow outlet structure, and the possible erosion of the railroad trestle foundation due to releases from the low flow outlet. The leaking gate will be repaired, if required, under the provisions of the contract warranty. The accumulated sediment will be removed in the follow-on contract if studies currently underway indicate that this is necessary. We will review the possible erosion of the railroad trestle foundation and include any repairs attributed to the operation of the low flow outlet in the follow-on contract.

Sincerely,

John N. Reese  
Colonel, Corps of Engineers  
District Engineer

Copies Furnished:

Department of Water Resources, ATTN: G. Snow, 3201 S Street,  
Sacramento, California 95816-7017  
Department of Water Resources, ATTN: G. Qualley, 1416 Ninth  
Street, Sacramento, California 95814  
CDR, SPD, ATTN: CESP-D-CO-0  
CDR, USACE, ATTN: DAEN-CECW-OM

cc:  
Civil Proj Sec C  
PM (Childs)  
PM-P (Phillips)  
F&A Br  
Valley Res Ofc

*PK*  
KELLY/ms

*HELM*

WINTON *Z*

?  
DENNIS *Z*

JOHNSON *af*

CHILD'S  
*W*  
~~BISTRICA~~ *mg*

SALA  
*St*  
REESE



EXHIBIT G

SUGGESTED SEMI-ANNUAL REPORT FORM

EXHIBIT G

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

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

Dear Sir:

The semi-annual report for the period (1 May 19\_\_ to 31 October 19\_\_) (1 November 19\_\_ to 30 April 19\_\_) Unit No. 126 of the Sacramento River Flood Control Project is as follows:

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

(Superintendent's summary of conditions)

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

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

b. During this report period, major high water periods (water level at 25.0 on the gage on the left bank of Cache Creek near Yolo) 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