

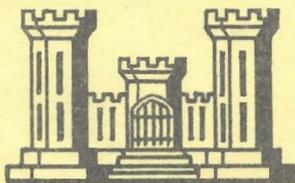
SUPERSEDED BY SAC147

Office Copy

0021

UNIT NO. 17 OF THE
SACRAMENTO RIVER
FLOOD CONTROL PROJECT
SUPPLEMENT TO STANDARD
OPERATION AND MAINTENANCE
MANUAL

NORTH LEVEE YUBA RIVER
UPSTREAM 1.8 MILES FROM
MARYSVILLE, CALIFORNIA



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

Incl 1

FILE COPY

Unit No. 17 of the
Sacramento River Flood Control Project
North Levee of the Yuba River
Upstream 1.8 miles from Marysville, California

Supplement to
Standard
Operations and Maintenance Manual

Sacramento District
Corps of Engineers
U. S. Army
Sacramento, California

Unit No. 17 of the
Sacramento River Flood Control Project
North Levee of the Yuba River
Upstream 1.8 miles from Marysville, California

Table of Contents

<u>Paragraph</u>		<u>Page</u>
1	Levees	
	(a) Description	1
	(b) Location	1
	(c) Protection Afforded	1
	(d) Contractor	1
	(e) Beginning and Completion of Construction	1
	(f) Outstanding Construction Features	2
2	Maintenance and Operation	2
 <u>Exhibits</u>		
"B"	As constructed Drawings No. 8-4-516, in 2 sheets	
"E"	Check List No. 2, in 1 sheet	
"F"	Resolution adopted by the Reclamation Board 7 April 1948.	

UNIT NO. 17 OF THE
SACRAMENTO RIVER FLOOD CONTROL PROJECT
SUBJECT TO FLOOD REGULATIONS

1. Levees

(a) Description. Unit No. 17 of the flood control works described below forms an integral part of the Sacramento River Flood Control Project. It consists of a portion of the North Levee of the Yuba River upstream from Marysville, California approximately 1.8 miles as shown on the attached Drawings 8-4-516 in 2 sheets, and dated August 1947 (Exhibit "B").

Under the program provided by the Sacramento River Flood Control Project this levee has been enlarged by the addition of a riverward embankment to provide a 20-foot wide crown, surfaced with crushed rock 4 inches thick and 15 feet in width, as indicated below and shown on the attached drawings in Exhibit "B". Required turnouts and road approaches have been built and surfaced with crushed rock 4 inches in depth and 10 feet in width. These items are reflected in the attached drawings in Exhibit "B". There are no structures affecting levee maintenance work.

(b) Location. The levee is located along the northerly bank of the Yuba River. The project begins immediately upstream of Marysville, California at Station 474+00 and extends upstream to Station 378+00, a distance of 9,600 feet.

(c) Protection Afforded. The levee affords direct protection against high water in the Yuba River and its tributaries in this area. The grade of the adopted flood profile along the main channel of the Yuba River varies from Elevation 83.4 at the lower end to Elevation 88.6 at the upper end. The levee grade provides a freeboard of 6 feet above the flood profile. It is estimated that a flood flow of 90,000 to 110,000 second feet in the main channel of the Yuba River in this area will produce the adopted flood profile.

(d) Contractor. The construction work on the levee described above was done by H. Earl Parker, Contractor, under Contract No. W-04-167-eng-1335, a copy of which is on file in the U. S. Corps of Engineers' Office, Sacramento District, Sacramento, California.

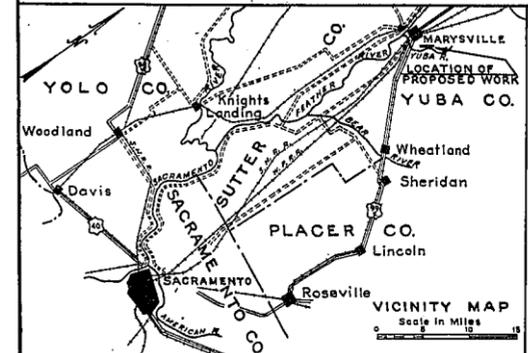
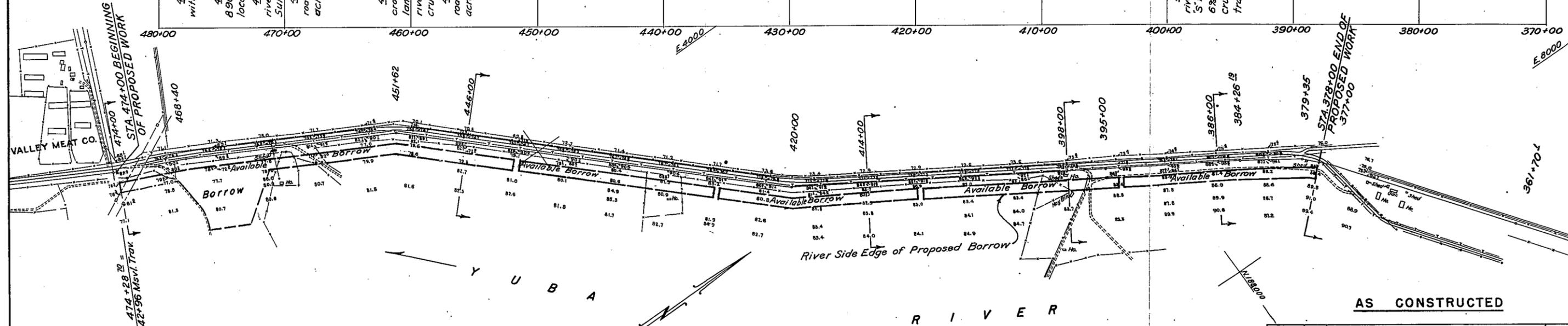
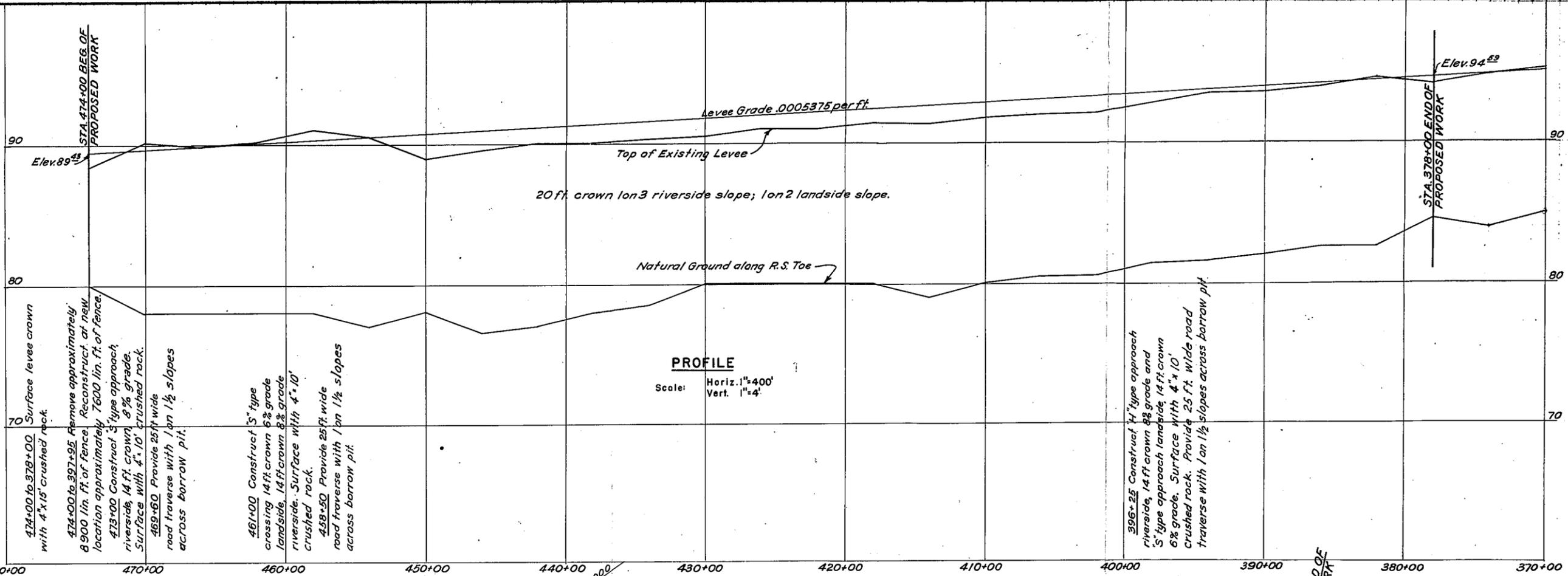
(e) Beginning and Completion of Construction. Construction was started 19 December 1947, and completed 25 February 1948.

(f) Outstanding Construction Features. In general, all construction features are based on Standard Plans and Specifications, and the details are fully covered in the attached Drawings listed below. (See Exhibit "B".)

<u>File No.</u>	<u>Title</u>
8-4-516 (2 sheets)	Levee enlargement North Levee Yuba River from Marysville North Levee upstream 1.8 miles.

2. Maintenance and Operation. The levee referred to above should be maintained and operated in accordance with "Title 33 - Navigation and Navigable Waters, Part 208 - Flood Control Regulations", as covered by Exhibit "A", sheets 1 and 2 of the Standard Operation and Maintenance Manual for the Sacramento River Flood Control Project, copies of which may be obtained from the office of the District Engineer, Corps of Engineers, Sacramento, California.

The responsibility for the maintenance and operation of this unit of levee was accepted by the Reclamation Board of the State of California on 7 April 1948, as shown on the attached resolution, Exhibit "F".



DATUM
All elevations are referred to C of E Datum = Mean Lower Low Water Suisun Bay = 3.6 ft. below Mean Sea Level.

LEGEND

- OF PROPOSED LEVEE ENLARGEMENT
- AVAILABLE BORROW AREA
- EXISTING LEVEE TOE
- POWER LINE
- POWER TRANSMISSION LINE
- TELEPHONE LINE
- EXISTING FENCE LINE
- IMPROVED ROADS
- UNIMPROVED ROADS

REVISION	DATE	DESCRIPTION	BY
1	As Constructed		A.M.R.

SACRAMENTO RIVER, CALIFORNIA FLOOD CONTROL PROJECT

PROPOSED LEVEE ENLARGEMENT
NORTH LEVEE YUBA RIVER FROM
MARYSVILLE NORTH LEVEE UPSTREAM 1.8 MILES

IN 2 SHEETS SCALE AS SHOWN SHEET NO. 1

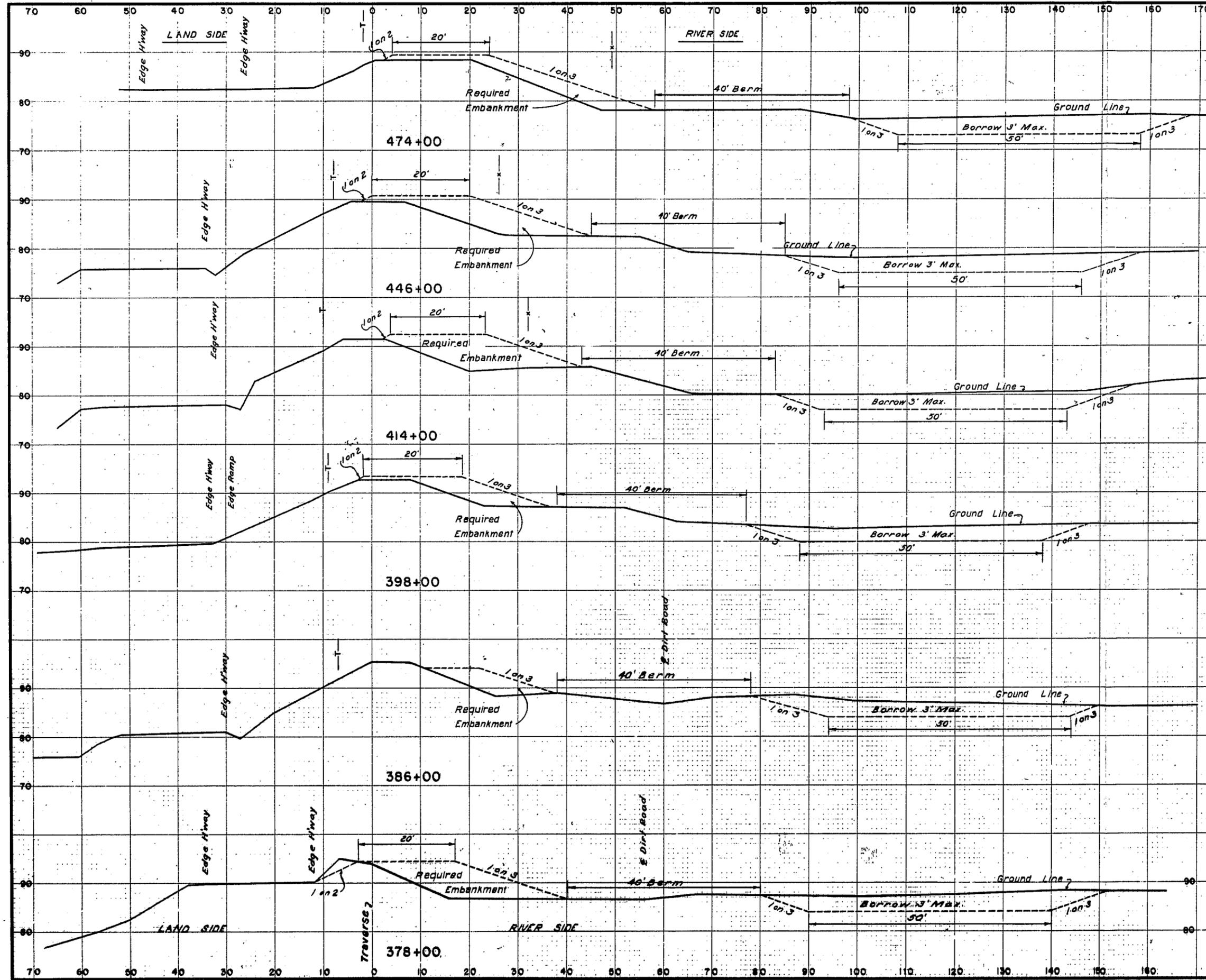
SACRAMENTO DISTRICT, CORPS OF ENGINEERS, WAR DEPARTMENT, AUG. 1947

APPROVED: *J. H. Kelly, Jr.* CHIEF, DESIGN SECTION
F. Kodis BRANCH CHIEF, ENGINEERING DIVISION

APPROVED FOR THE DISTRICT ENGINEER: *Chas. M. ...*

DOC. FILE	FILE	DATE	DRAWING
	8	4	516

COLONEL, CORPS OF ENGINEERS, U.S.A.



CORPS OF ENGINEERS DATUM

All elevations are referred to
 C of I datum: mean lower low
 water Suisun Bay 3.5' below
 mean sea level

TYPICAL SECTIONS

Scale 1"=10' Horiz. & Vert.

AS CONSTRUCTED

SACRAMENTO RIVER, CALIFORNIA
 FLOOD CONTROL PROJECT
 PROPOSED LEVEE ENLARGEMENT
 NORTH LEVEE YUBA RIVER FROM
 MARYSVILLE NORTH LEVEE UPSTREAM 1.8 MILES
 IN 2 SHEETS INDICATED SCALE REDUCED TO HALF SIZE SHEET NO 2

SACRAMENTO DISTRICT CORPS OF ENGINEERS, WAR DEPARTMENT, AUG. 1947
 SUBMITTED APPROVED APPROVED
J. H. ... *F. Koch*
 PROJECT DESIGN SHEET CHIEF DESIGNER CHIEF ENGINEERING DIV.
 APPROVED FOR THE DISTRICT ENGINEER DR. TR. ...
 COL. CORPS OF ENGINEERS U.S.A. FILE NO. 8 4 516

CHECK LIST NO. 2

There are no structures affecting levee maintenance work on this project located on the North Levee of the Yuba River upstream from Marysville; California 1.8 miles, approximately 40 miles northerly of Sacramento, California.

HIGHWATER PERIOD. This term is used under Paragraph 4-02(c) 3b of the Standard Operation and Maintenance Manual; it applies to floods rising above the reading of 80.0 on the U. S. Weather Bureau station on right bank of Yuba River on first pier of "D" Street Bridge in Marysville, California. Staff gage set on U.S.C.E. Datum.

R E S O L U T I O N

PASSED AND ADOPTED BY THE RECLAMATION BOARD

APRIL 7, 1948

WHEREAS The Reclamation Board has heretofore approved a certain item of "new construction"; consisting of the enlargement, set-back and reconstruction of the north levee along the Yuba River from Marysville upstream for a distance of approximately 1.8 miles; and

WHEREAS the Department of the Army, Corps of Engineers, District Engineer, Sacramento District, under date of March 23, 1948, has notified The Reclamation Board of the completion of said item of levee enlargement, set-back and reconstruction, and has transferred said portion of levee to the State of California for maintenance and operation; and

WHEREAS the Chief Engineer of The Reclamation Board has caused to be made an inspection on the ground of the item of new construction as specified above, and has found and determined that such work, as completed, has been prosecuted and carried out in conformance with plans and specifications therefor; now therefore be it

RESOLVED AND ORDERED that The Reclamation Board does hereby accept for the State of California the said item of "new construction" as aforesaid, which has on the date above set forth been transferred to said Board by the Department of the Army, U. S. District Engineer; and be it further

RESOLVED AND ORDERED that the north levee along the Yuba River from Marysville upstream for a distance of approximately 1.8 miles, together with the berms and appurtenant structures thereof, be, and the same is hereby turned over to The Marysville Levee Commission for maintenance and operation,

as the legally authorized function of said commission, pursuant to the provisions of Water Code of the State of California.

STATE OF CALIFORNIA)
COUNTY OF SACRAMENTO) SS
Office of The Reclamation Board)

I, S. A. HONAKER, Assistant Secretary of The Reclamation Board, do hereby certify that the attached is a true and correct copy of a Resolution passed and adopted by said Board at its meeting held April 7, 1948.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of The Reclamation Board, this 15 day of April, 1948.

/s/ S. A. Honaker
S. A. HONAKER
Assistant Secretary