California Department of Transportation
Division of Maintenance

Structure Maintenance and Investigations

BRIDGE

INSPECTION

RECORDS

INFORMATION

SYSTEM

The requested documents have been generated by BIRIS.

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Records for “Confidential” bridges may only be released outside the Department of Transportation upon execution of a confidentiality agreement.

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
04	SCl	152	10 2	1	3

STATE OF CALIFORNIA

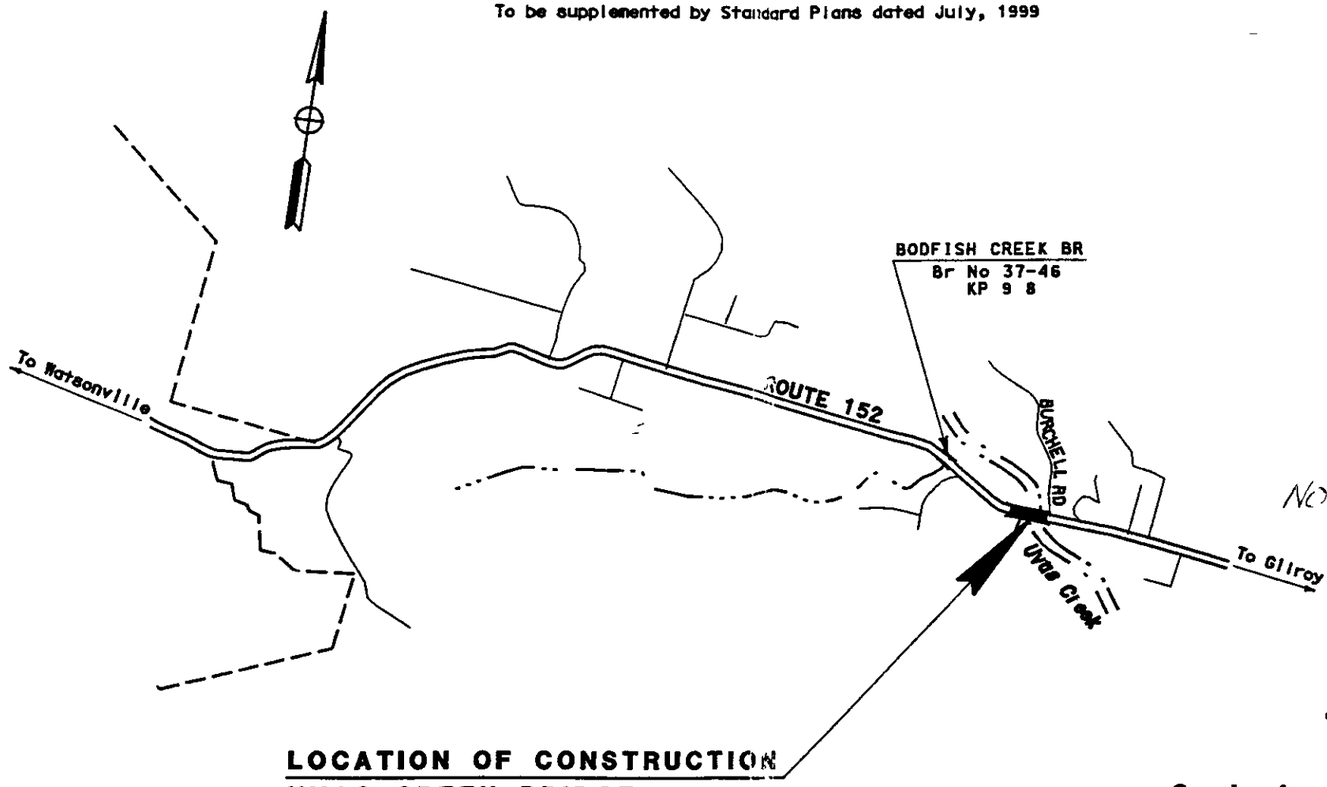
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN SANTA CLARA COUNTY
ON ROUTE 152
AT UVAS CREEK BRIDGE,
(BRIDGE NO. 37-0047)

To be supplemented by Standard Plans dated July, 1999



LOCATION OF CONSTRUCTION
UVAS CREEK BRIDGE
Br No. 37-47 KP 10.2
PM 6.4

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Caltrans now has a web site! To get to the web site, go to: http://www.dot.ca.gov

Caltrans Metric

NO **AS BUILT** CHANGES

CORRECTIONS BY PA SHIELDS
CONTRACT NO 04-3M6704
DATE 9.1.03

G I L R O Y

08-02-02
Project Engineer Date
Registered Civil Engineer

REGISTERED PROFESSIONAL ENGINEER
A. Martinez
59092
Exp. 6-30-03
CIVIL
STATE OF CALIFORNIA

Plans Approval Date

The Contractor shall possess the Class (or classes) of license as specified in the "Notice to Contractors"

NO SCALE

Contract No 04A1703

PROJECT ENGINEER	DATE	PROJECT MANAGER	DATE
A Martinez		J Hemlup	

KEY REVISION	DATE PLOTTED => 02-AUG-2002
07-16-02	TIME PLOTTED => 12:30

FORM DC-OE-93-PF (REV 3/88)

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => llinl
DGN FILE => 43m670a dgn

CU 04609

DWG NO. 3M6701-1

ClibPDF - www.fastio.com

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SCl	152	10.2	3	3

REGISTERED CIVIL ENGINEER

08-02-02
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — A Martinez — 59092 — 6-30-03 — CIVIL — STATE OF CALIFORNIA

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Caltrans now has a web site! To get to the web site, go to: http://www.dot.ca.gov

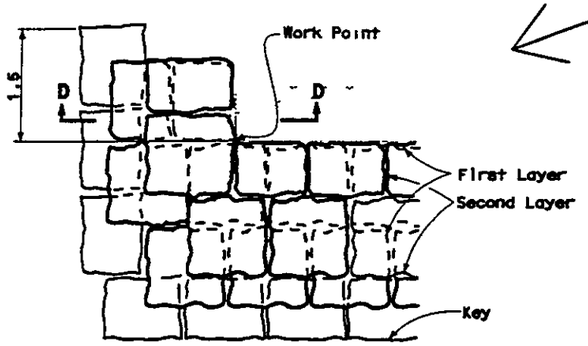
Caltrans Metric

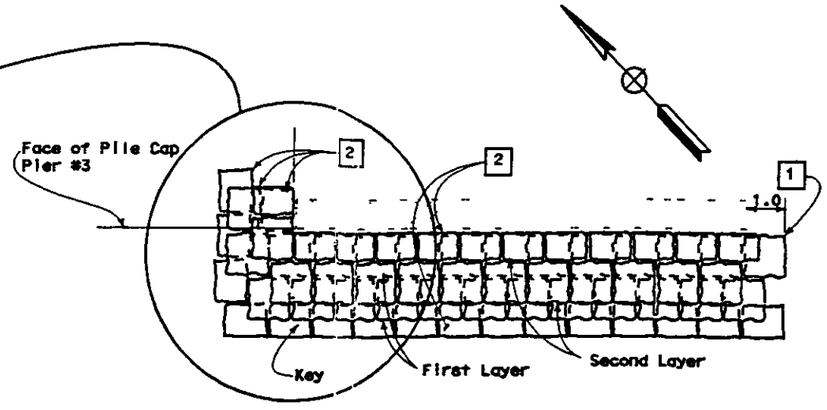
DATE REVISED BY | DATE REVISED

CALCULATED/ DESIGNED BY | CHECKED BY

PROJECT ENGINEER
A Martinez

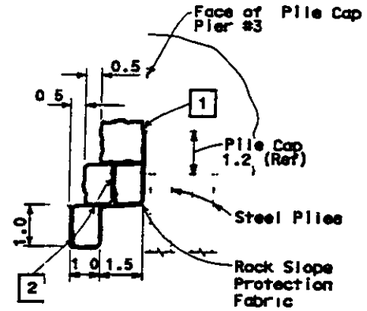
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE



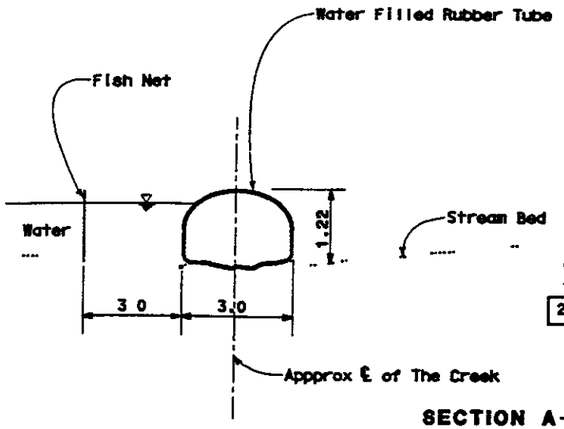


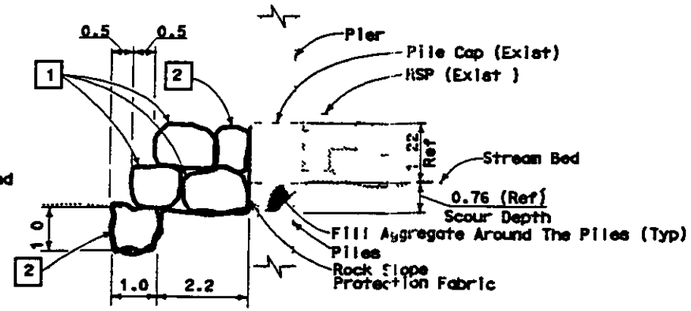
ROCK ARRANGEMENT SHOWN FOR PIER #3
ROCK ARRANGEMENT FOR PIER #2 OPP HAND

NOTE: All Dimensions are approximate Typ



SECTION D-D





SECTION A-A (As Shown for Pier #3)
SECTION A1-A1 (Opp Hand for Pier #2)
SCHEME I

NC **AS BUILT** CHANGES

CORRECTIONS BY PA SHIELDS
CONTRACT NO 04-3M6704
DATE 9-1 03

LEGEND

1 Place 3 T Rock

2 Place 2 T Rock

Contract No 04A1703

CONSTRUCTION DETAILS

NO SCALE

All Dimensions are In
Meters unless otherwise shown

C-1

LAST REVISION | DATE PLOTTED => 02-AUG 2002
07-22-02 | TIME PLOTTED => 12:28

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => lilnl
DGN FILE => 43m670g01.dgn

CU 04609

DWG No 3M6701-3

ClibPDF - www.fastio.com

FOR COMPLETE RIGHT OF WAY AND ACCURATE ACCESS DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO	TOTAL SHEETS
04	SCL	152	10.2	2	3

REGISTERED CIVIL ENGINEER

08-02-02
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER A. Martinez No. 59092 6-30-03 CIVIL STATE OF CALIFORNIA

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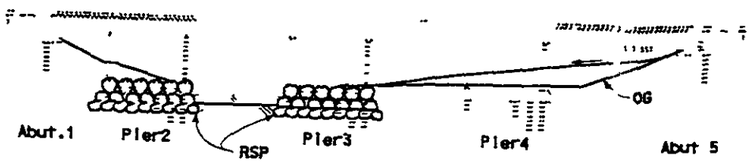
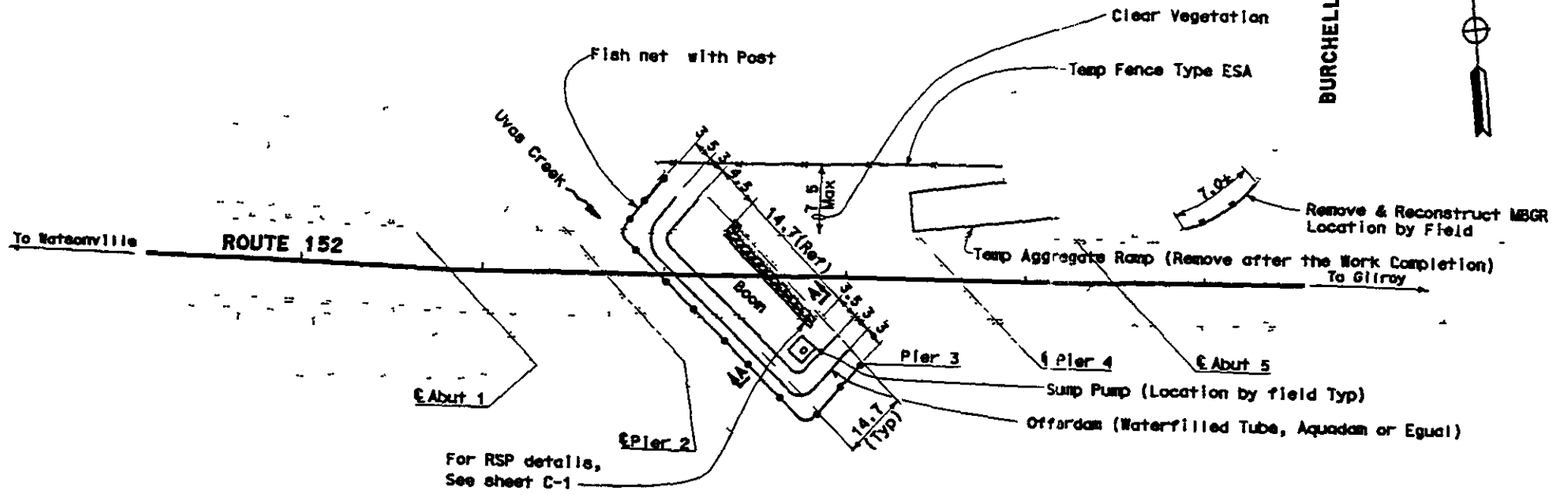
Caltrans now has a web site! To get to the web site, go to: http://www.dot.ca.gov

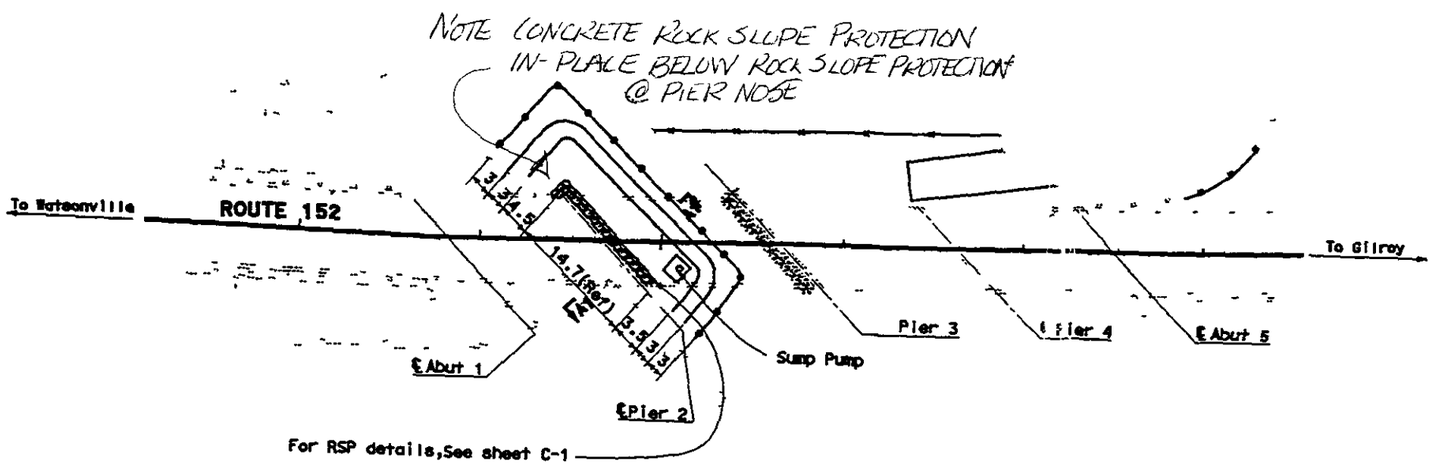
Caltrans Metric



ELEVATION



Construction Stage Pier 3



Construction Stage Pier 2
PLAN

NO **AS BUILT** CHANGES

CORRECTIONS BY PA SHIELDS
CONTRACT NO 04-3M6704
DATE 9.1.03

Contract No 04A1703

All Dimensions are in Meters unless otherwise shown

LAYOUT
SCALE 1.300

L-1

DATE PLOTTED => 02-AUG-2002
TIME PLOTTED => 12:29
07-22-02

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

USERNAME => llint
DGN FILE => 43m670e01.dgn

CU 04609

DWG No 3M6701-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE

PROJECT ENGINEER A. Martinez

CALCULATED/DESIGNED BY
CHECKED BY

DATE	REVISED BY	DATE REVISED

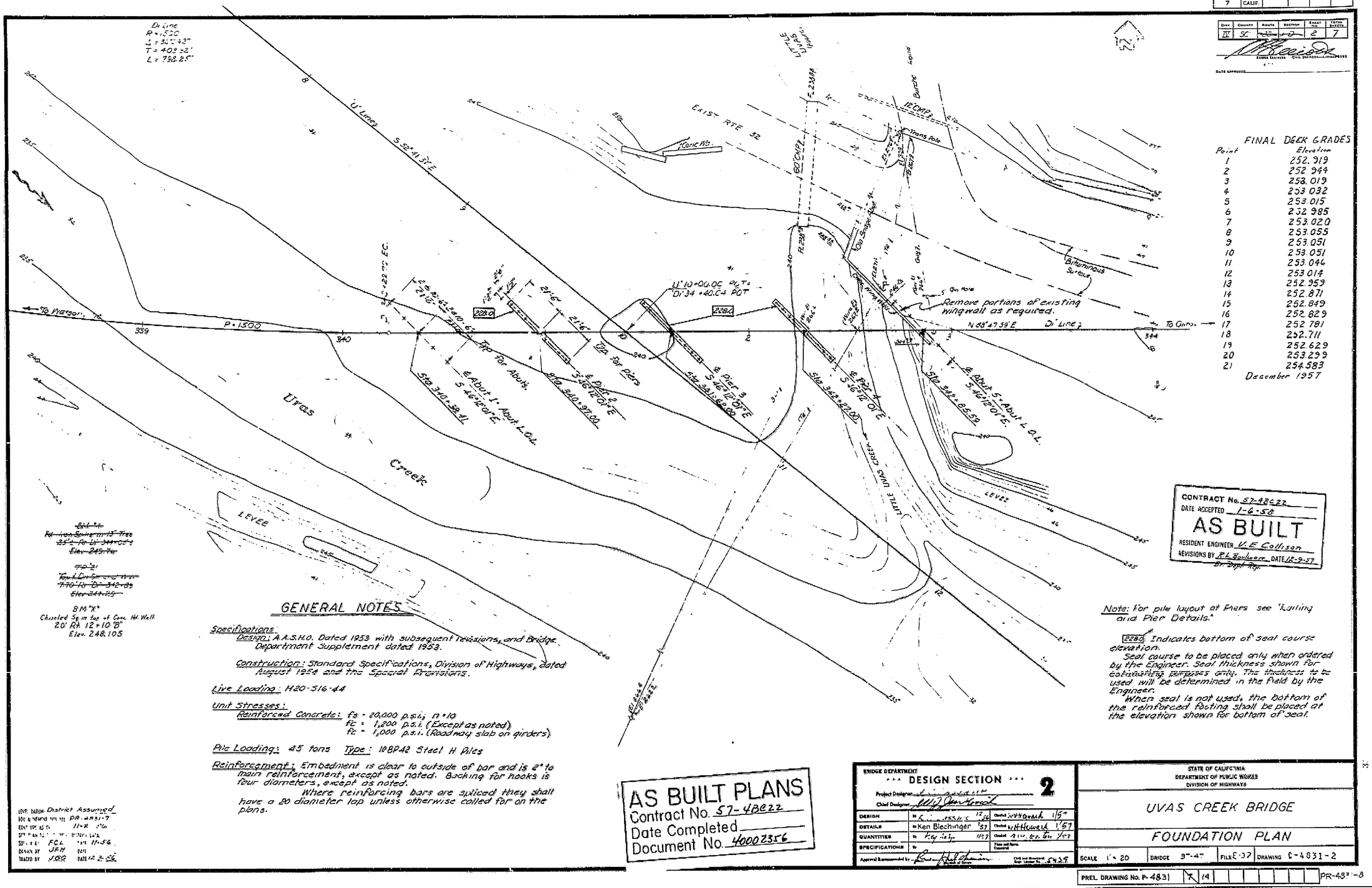
ClibPDF - www.fastio.com

FED. ROAD DIV. No.	STATE	PROJ. No.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	CALIF.				

DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
IV	SC	152		2	7

STATE ENGINEER — CIVIL ENGINEER — No. 9383

DATE APPROVED



FINAL DECK GRADES

Point	Elevation
1	252.919
2	252.944
3	253.019
4	253.032
5	253.015
6	252.985
7	253.020
8	253.055
9	253.051
10	253.051
11	253.046
12	253.014
13	252.959
14	252.871
15	252.849
16	252.829
17	252.781
18	252.711
19	252.629
20	253.299
21	254.583

December 1957

CONTRACT No. 57-48622
DATE ACCEPTED 1-6-58
AS BUILT
RESIDENT ENGINEER V. E. Collison
REVISIONS BY R. L. Boulware DATE 12-9-57
Dr. Dept. Rep.

GENERAL NOTES

Specifications:
Design: A.A.S.H.O. Dated 1953 with subsequent revisions, and Bridge Department Supplement dated 1953.

Construction: Standard Specifications, Division of Highways, dated August 1954 and the Special Provisions.

Live Loading: H20-S16-44

Unit Stresses:
Reinforced Concrete: f_s = 20,000 p.s.i.; n = 10
f_c = 1,200 p.s.i. (Except as noted)
f_c = 1,000 p.s.i. (Roadway slab on girders)

Pile Loading: 45 tons Type: 10BP42 Steel H Piles

Reinforcement: Embedment is clear to outside of bar and is 2" to main reinforcement, except as noted. Backing for hooks is four diameters, except as noted.
Where reinforcing bars are spliced they shall have a 20 diameter lap unless otherwise called for on the plans.

Note: For pile layout at Piers see "Railing and Pier Details."

(228.0) Indicates bottom of seal course elevation.
Seal course to be placed only when ordered by the Engineer. Seal thickness shown for contracting purposes only. The thickness to be used will be determined in the field by the Engineer.
When seal is not used, the bottom of the reinforced footing shall be placed at the elevation shown for bottom of seal.

LEVEL DATUM: District Assumed
FOR ALIGNMENT SEE SHT. PR-4831-7
CONT. DEPT. AS OF 11-22 1956
STR. TABULATION BY: [illegible] DATE 11-56
DESIGN BY JFH DATE
TRACED BY JGG DATE 12-2-56

AS BUILT PLANS
Contract No. 57-48622
Date Completed
Document No. 40002356

BRIDGE DEPARTMENT
*** DESIGN SECTION *** 2
Project Designer [illegible]
Chief Designer [illegible]

DESIGN	by [illegible] 12/56	Checked W.H. Howard 1/57	
DETAILS	by Ken Blechinger '57	Checked W.H. Howard 1/57	
QUANTITIES	by [illegible] 1957	Checked [illegible] 1/57	
SPECIFICATIONS	by	Name and Name Concurred	

Approval Recommended by [illegible] Chief and Structural Engineer Registration No. 5429

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

UVAS CREEK BRIDGE

FOUNDATION PLAN

SCALE 1" = 20' | BRIDGE 37-47 | FILE 37 | DRAWING C-4831-2

PREL. DRAWING No. P-4831 | IV | 14 | PR-4831-8

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

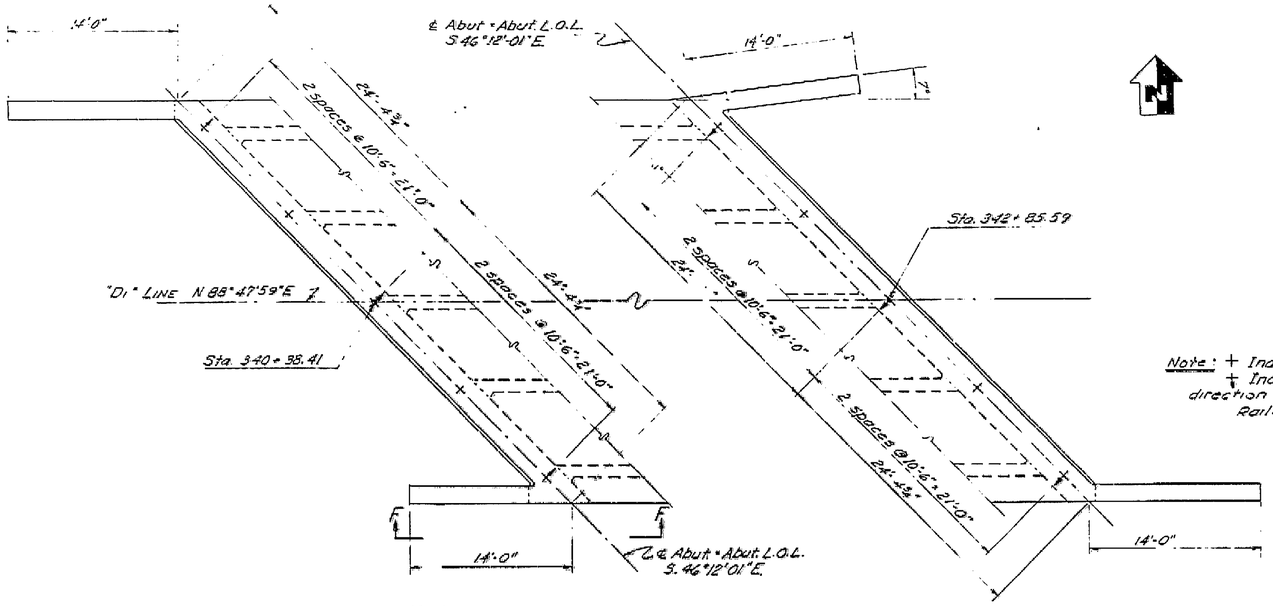
DATE [illegible] SIGNATURE [illegible] TITLE [illegible]

ClibPDF - www.fastio.com
MICROFILM - STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC WORKS - MICROFILM
SCALE 1"= 50'
SCALE 1"= 50'
SCALE 1"= 20'
SCALE 1"= 20'

FED. ROAD DIV NO.	STATE	PROJ NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	CALIF.				

DIST	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
11	SD.	~~32~~ 80	D	3	7

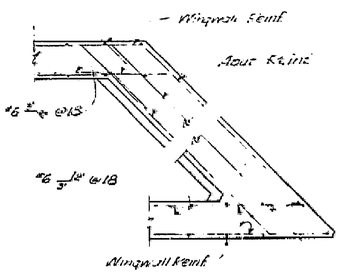
DATE APPROVED _____



PLAN - ABUTMENT 1
No Scale

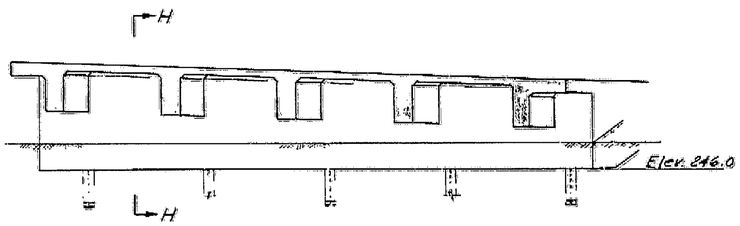
PLAN - ABUTMENT 5
No Scale

Note: + Indicates vertical piles
† Indicates pile battered 1:3 in direction of arrow
Railing not shown.



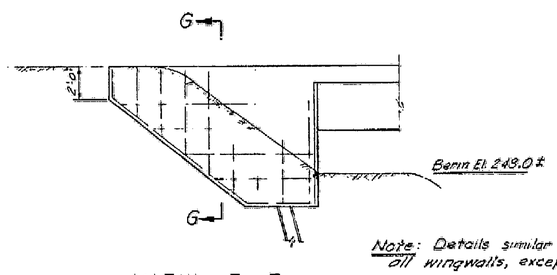
PLAN AT CORNERS

No Change.
CONTRACT No. 57-48C22
DATE ACCEPTED 1-6-58
AS BUILT
RESIDENT ENGINEER V. E. Collison
REVISIONS BY A.L. Paulsen DATE 12-9-57
Dr. Dept. Rep.



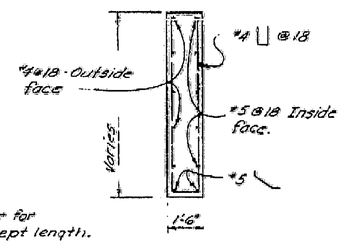
ELEVATION - ABUT. 1
No Scale

ELEVATION - ABUT. 5
No Scale



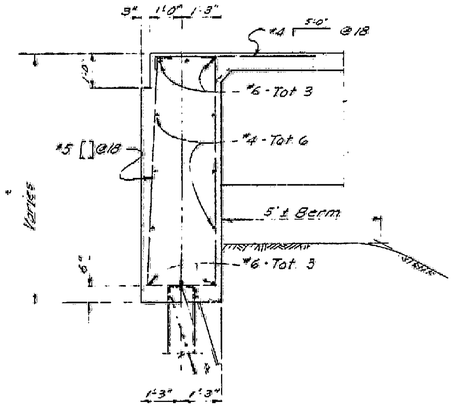
VIEW F - F
¼" = 1'0"

Note: Details similar for all wingwalls, except length.



SECTION G - G
½" = 1'0"

AS BUILT PLANS
Contract No. 57-48C22
Date Completed
Document No. 4000235G



SECTION H - H
½" = 1'0"

BRIDGE DEPARTMENT		
DESIGN SECTION 2		
Project Designer:		
Chief Designer: W. J. Jerkovich		
DESIGN	by K. Lee Jan. 1956	Checked by W. H. Hoverd 1957
DETAILS	by Ken Blechinger '57	Checked by W. H. Hoverd 1957
QUANTITIES	by [illegible] 1957	Checked by [illegible] 1957
SPECIFICATIONS	by	Plans and Estimate Completed
Approved Recommended by [illegible] Engineer of Bridges		Civil and Structural Engr. License No. 8439

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

UVAS CREEK BRIDGE

ABUTMENTS

SCALE: As Noted	BRIDGE: 37-47	FILE	DRAWING C-4831-3

PREL. DRAWING No. P-4831 | 8 | 15

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE _____ SIGNATURE _____ TITLE _____

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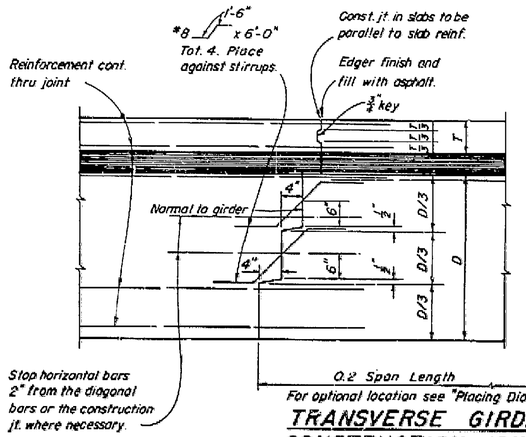
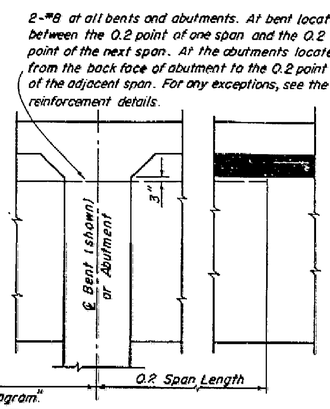
FED. ROAD DIST. NO.	STATE	ROUTE NO.	PROJECT NO.	SHEET NO.	TOTAL SHEETS
7	CAL.				

DIST.	COUNTY	ROUTE	CHAPTER	SHEET NO.	TOTAL SHEETS
IV	SCL.	~~SR~~	D	6	7

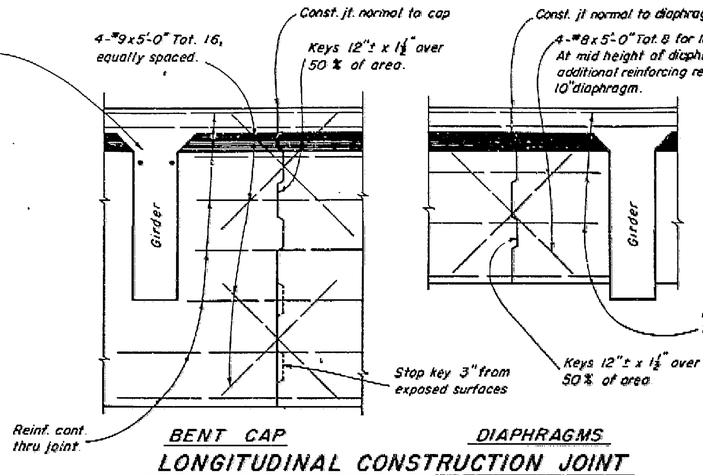
APRIL 22 1957



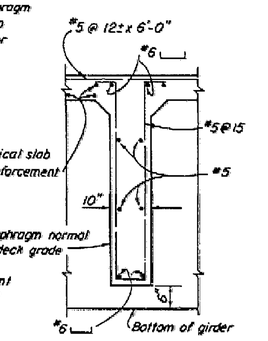
TRANSVERSE GIRDER CONSTRUCTION JOINTS
DETAIL J-3



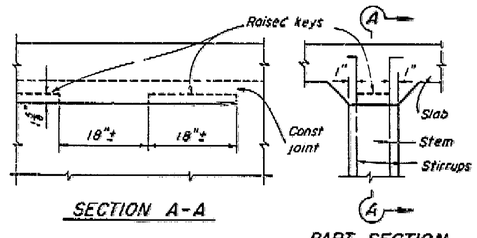
REINFORCEMENT
DETAIL J-1



LONGITUDINAL CONSTRUCTION JOINT
DETAIL J-4

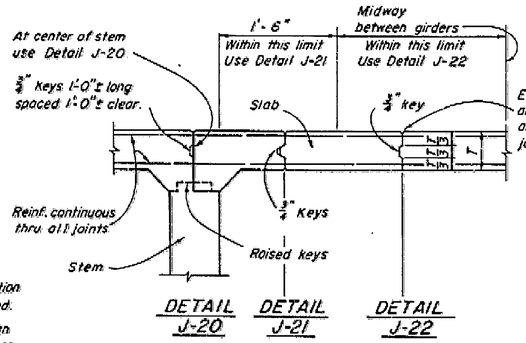


INTERMEDIATE DIAPHRAGM SECTION
DETAIL D-1

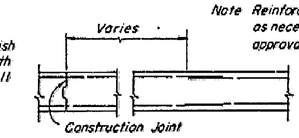


SECTION A-A

PART SECTION INTERIOR GIRDER



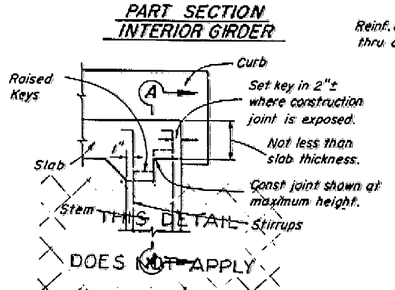
DETAIL J-20 | DETAIL J-21 | DETAIL J-22



Note Reinforcement may be spliced as necessary, subject to approval by the Engineer

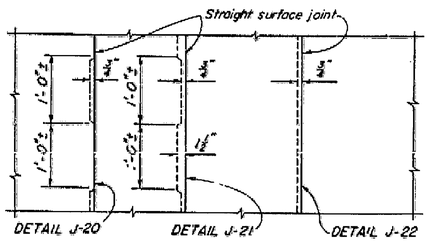
REINFORCEMENT SPLICE IN DECK SLAB
DETAIL S-1

PART SECTION EXTERIOR GIRDER WITH SLAB CANTILEVER



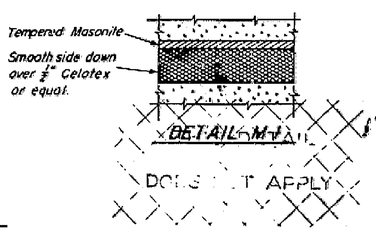
PART SECTION EXTERIOR GIRDER WITH CURB

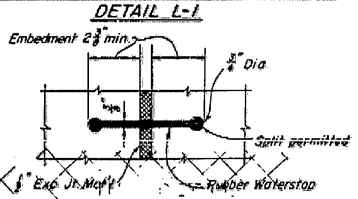
KEY-GIRDER STEM TO SLAB
DETAIL J-5



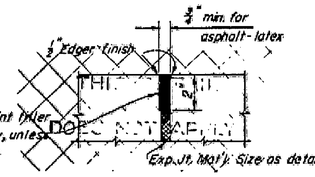
DECK SLAB
LONGITUDINAL CONSTRUCTION JOINT

Note: Longitudinal construction joints in slab, if required, are to be located at edge of traffic lanes except as approved by the Engineer.

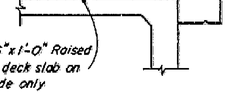


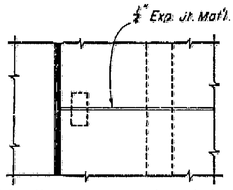


RUBBER WATERSTOP
DETAIL W-1



LATEX AT EXPANSION JOINT
DETAIL L-1





Note For simple spans joints are to be equally spaced with 35'± max. spacing. For continuous spans joints are to be equally spaced with 35'± max. spacing with additional joints at ℄ piers or bents.

CURB AND SIDEWALK EXPANSION JOINT
DETAIL C-1

No Changes

CONTRACT No. 57-48822
DATE ACCEPTED 1-6-58
AS BUILT
RESIDENT ENGINEER V. E. Collison
REVISIONS BY R. Bechinger DATE 12-9-57
Dr. Dept. No.

AS BUILT PLANS
Contract No. 57-48822
Date Completed
Document No. 4000356

BRIDGE DEPARTMENT
DESIGN SECTION 2
PROJECT DESIGNER
CHIEF DESIGNER W. J. Jackson

DESIGN	BY L. C. [illegible] '56	CHECKED	[illegible] '57
DETAILS	BY Ken Blechinger '57	CHECKED	[illegible] '57
QUANTITIES	BY [illegible]	CHECKED	[illegible]
SPECIFICATIONS	BY	PLANS AND SPECS COMPARED	
APPROVAL RECOMMENDED	[illegible] ENGINEER OF DESIGN	CIVIL AND STRUCTURAL ENGR. LICENSE NO.	5625

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

UVAS CREEK BRIDGE

STANDARD DETAILS NO. 1

SCALE None | BRIDGE: 37-47 | XS-16-21 | DRAWING NO. [illegible]-4831-6

PREL. DRAWING NO. P- 4831 | N | 18

T BEAM

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE [illegible] SIGNATURE [illegible] TITLE [illegible]

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FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	CALIF.				

DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
IV	SCL	22	D	1	7

P.M. 6.4

'52

152

PROFILE GRADE

-0.32%

Elev 240.00
Elev 233.90

250'-0"
60'-0" 65'-0" 65'-0" 60'-0"
B.B. E.B.

Approximate Original Ground along "D1" Line.

Elev. 228.0 Elev. 228.0 Elev. 228.0

10 BP 42 Steel H Piles
See table for estimated pile tip elevations.

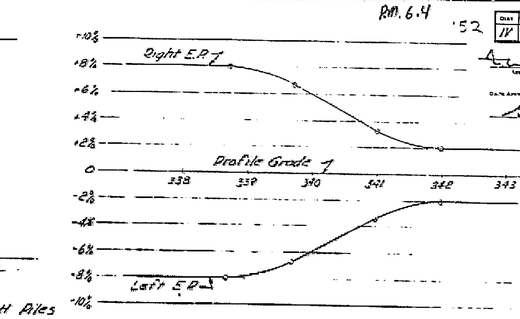
Abut 1 Pier 2 Pier 3 Pier 4 Abut 5

Datum Elev. 200.0

340 341 342 343

ELEVATION

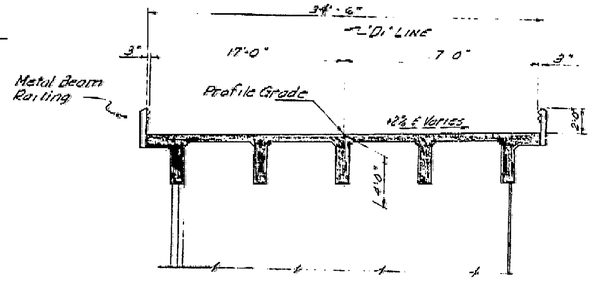
1" = 20'



SUPERELEVATION DIAGRAM

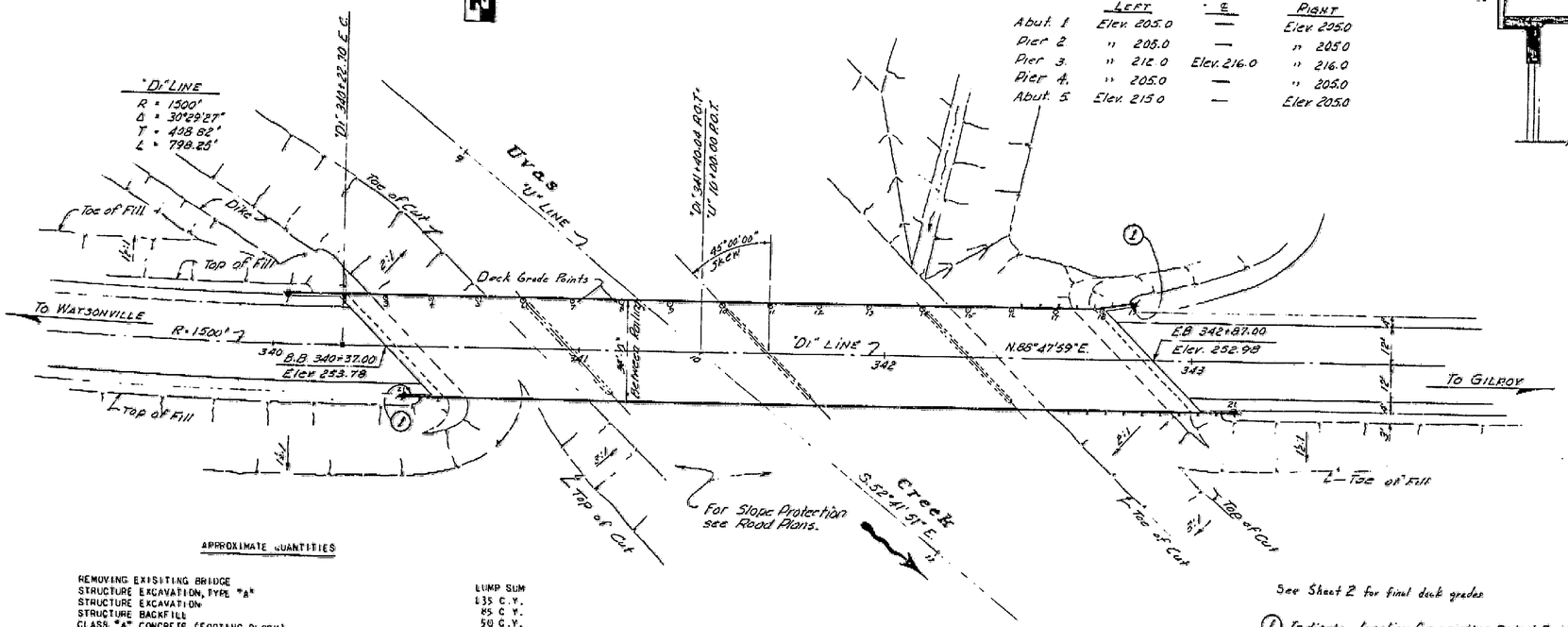
ESTIMATED PILE TIP ELEVATIONS

	LEFT	℄	RIGHT
Abut. 1	Elev. 205.0	—	Elev. 205.0
Pier 2	" 208.0	—	" 205.0
Pier 3	" 212.0	Elev. 216.0	" 216.0
Pier 4	" 205.0	—	" 205.0
Abut. 5	Elev. 215.0	—	Elev. 205.0



TYPICAL SECTION

3/16" = 1'-0"



PLAN

1" = 20'

See Sheet 2 for final deck grades

(1) Indicates location for painting Date & Br. No. For General Notes see Foundation Plan

APPROXIMATE QUANTITIES

REMOVING EXISTING BRIDGE	LUMP SUM
STRUCTURE EXCAVATION, TYPE "A"	135 C.Y.
STRUCTURE EXCAVATION	85 C.Y.
STRUCTURE BACKFILL	50 C.Y.
CLASS "A" CONCRETE (FOOTING BLOCK)	45 C.Y.
CLASS "A" CONCRETE (BRIDGES)(600 C.Y.)	LUMP SUM
BAR REINFORCING STEEL (BRIDGES)(130,000 LBS.)	LUMP SUM
FURNISHING STEEL PILING	960 L.F.
DRIVING PILES	37 EA.
METAL BEAM BRIDGE RAILING	550 L.F.

INDEX

1. General Plan
2. Foundation Plan
3. Abutments
4. Railing & Pier Details
5. Typical Section & Girder Details
6. Standard Details No 1
7. Log of Test Borings

CONTRACT No. 57-4BC22
DATE ACCEPTED 1-6-58
AS BUILT
RESIDENT ENGINEER V. E. Collison
REVISIONS BY R. L. Boudreaux DATE 12-3-57
Dr. Dept. Rep.

AS BUILT PLANS
Contract No. 57-4BC22
Date Completed
Document No. 40002356

LIVE LOADING: H20-S16-44

BRIDGE DEPARTMENT
··· DESIGN SECTION ··· 2
Project Designer
Chief Designer

DESIGN	by RC	Checked by M. Howard	1/57
DETAILS	by Ken Blechinger	Checked by M. Howard	1/57
QUANTITIES	by Log to Sys	Checked	
SPECIFICATIONS	by PSD 1/57	Prem. and Spec. PSD	1/57

Approved Recommended by

57-4BC22
STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

UVAS CREEK BRIDGE

LOCATED 3.3 MILES WEST OF ROUTE 2 AND APPROXIMATELY 650 FT. DOWNSTREAM FROM EXISTING UVAS CREEK BRIDGE

GENERAL PLAN

SCALE: As Noted	BRIDGE 37-47	FILE	DRAWING C-4831-1

PREL. DRAWING No. P-4831 3 6 13 20

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DATE SIGNATURE TITLE

SCALE 1"= 50' 0 100 200 MICROFILM - STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC WORKS - MICROFILM 300 400 500 600 700
SCALE 1"= 20' 0 50 100 MICROFILM - STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC WORKS - MICROFILM 200 50 300
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FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	CAL.				

DIST.	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
IV	SCR	152	D	7	7

CONTRACT No. 57-48622
DATE ACCEPTED 1-6-58
AS BUILT
RESIDENT ENGINEER V. E. Collison
REVISIONS BY R.L. Boulware DATE 12-9-57
Dist. Dept. Rep.

DATE APPROVED 4

BRIDGE DEPARTMENT

"U" Line
"O" Line
"U" Sta 10+00 PDT
"O" Sta 341+40 at PDT
To Watsonville
To Gilroy

B-6 B-1 B-7 B-9 B-2 B-10 B-4 B-8 B-5 B-3

340 341 342 343

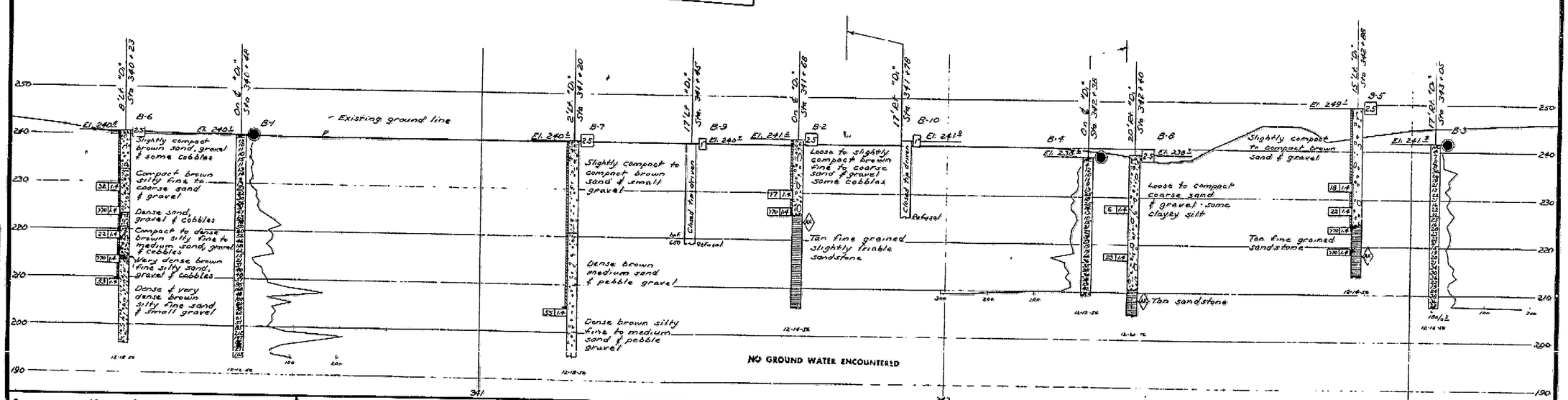
BM #2 - Iron spike in 24" tree
22' Rt Sta 143+39 "A"
Elev. 151.25

BM - Nail in P.P.
5' Rt Sta 131+70 "A"
Elev 210.00

AS BUILT PLANS
Contract No. 57-48622
Date Completed
Document No. 40002356

PILE TIP ELEVATIONS

	Abut 1	Pier 2	Pier 3	Pier 4	Abut 5
Max.	211.0	207.3	225.6	213.0	214.6
Min.	198.2	190.2	208.1	198.1	205.3
Avg.	207.1	200.9	221.2	205.3	209.4



FIELD STUDY H. R. Hooper
DRAWN H. M. Hickey 1-8-57
CHECKED H. R. Reynolds 1-15-57
Approved January 1958 Chief Engineer

CLASSIFICATION OF MATERIAL BASED ON STANDARD GRADE SIZE LIMITS

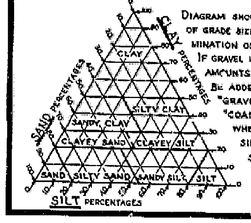


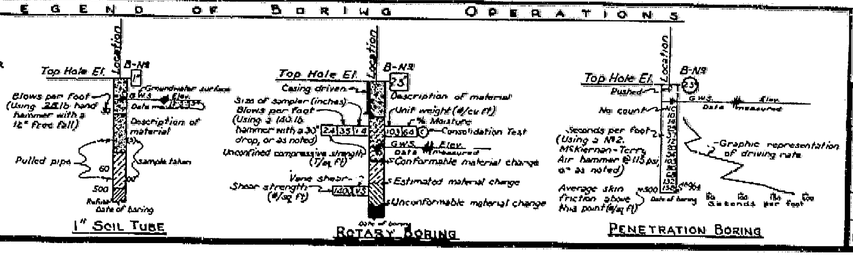
DIAGRAM SHOWING THE BASIS FOR ESTIMATES OF GRADE SIZE DISTRIBUTION USED IN DETERMINATION OF CLASS NAMES. IF GRAVEL IS PRESENT IN APPRECIABLE AMOUNTS THE TERM "GRAVELLY" MAY BE ADDED TO THE CLASS NAME, VIZ. "GRAVELLY SAND." THE TERMS "COARSE", "MEDIUM" AND "FINE" WHEN USED TO DESCRIBE SAND, SILT AND GRAVEL REFER TO STANDARD GRADE SIZE LIMITS.

LEGEND OF EARTH MATERIALS

- Gravel
- Sand
- Silt
- Clay
- Sandy Clay or Clayey Sand
- Sandy Silt or Silty Sand
- Silty Clay or Clayey Silt
- Peat and/or Organic Matter
- Fill Material
- Igneous Rock
- Sedimentary Rock
- Metamorphic Rock

LEGEND OF BORING OPERATIONS

- Plan of any boring
- Penetrometer
- 2½" Cone Penetrometer
- Sampler boring (DRY)
- Rotary boring (WET)
- Auger boring (DRY)
- Jet boring
- Core boring
- Test pit



NOTES

The contractor's attention is directed to Section 2, Article (c) of the Standard Specifications and to the Special Provisions accompanying this set of plans.
Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

UVAS CREEK BRIDGE

LOG OF TEST BORINGS

SCALE 1" = 10' | BRIDGE 37-47 | FILE E-37 | DRAWING E-4831-7

Filed with ... 4831 | 19

25

TR-9921-9 3

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER M. DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE ... SIGNATURE ... TITLE ...

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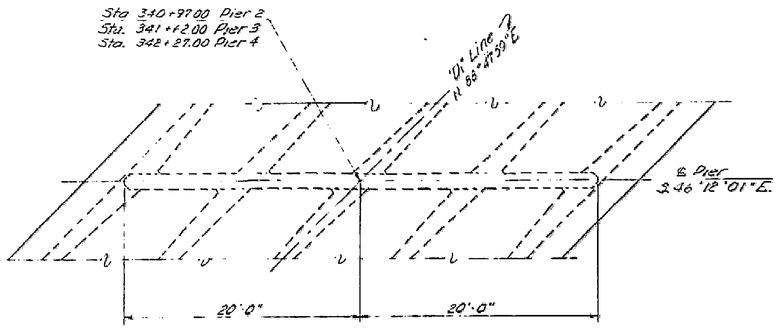
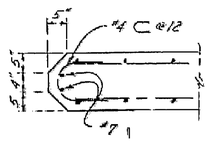
7	CALIF.				

DIST.	COUNTY	ROUTE	SECTION	SHEET No.	TOTAL SHEETS
IV	S.Cl.	32	D	4	7

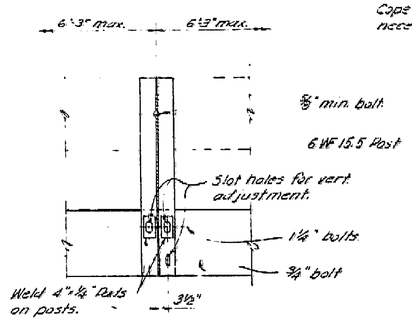
DATE APPROVED



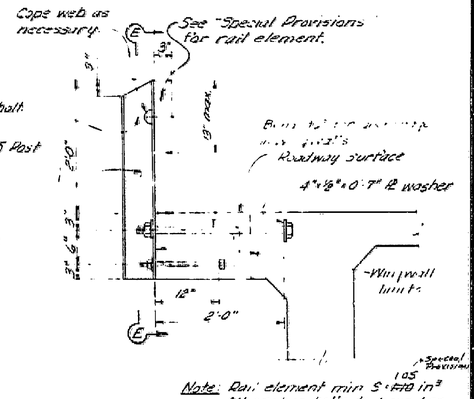
PLAN
No Scale



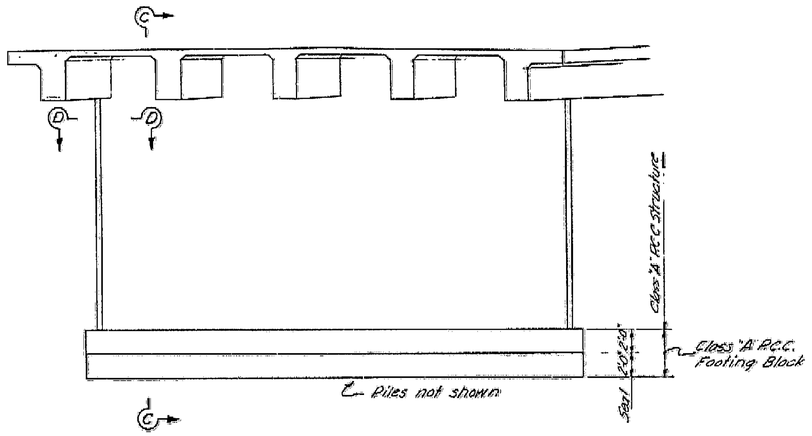
SECTION D-D
Scale: 3/4"=1'-0"



SECTION E-E

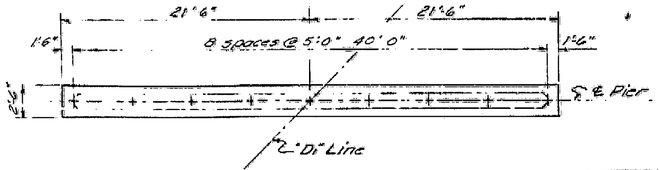


Note: Rail element min S=1.05 in³
All anchor bolts to have hex. nut & cut washers.
Provide lock washers for top anchor bolts.
Contractor to provide suitable metal shims to align posts.

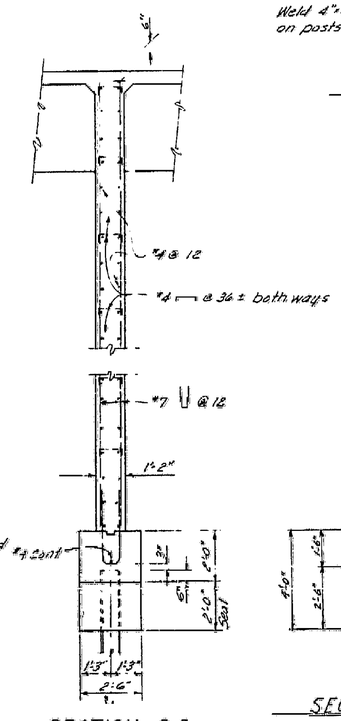


ELEVATION
No Scale

Note: Seal course to be placed only when ordered by the Engineer. Seal thickness shown for estimating purposes only. The thickness to be used will be determined in the field by the Engineer. When seal is not used, the bottom of the reinf. footing shall be placed at the elevation shown for bottom of seal.

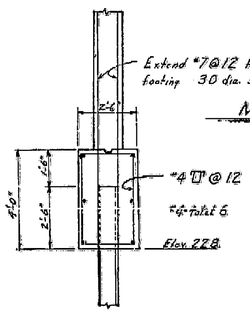


FOOTING PLAN
No Scale



SECTION C-C
Scale: 3/8"=1'-0"
Piers 2 & 4

Note: Seal course eliminated at all piers



SECTION C-C
Scale: 3/8"=1'-0"
Pier 3

METAL BEAM BRIDGE RAIL

AS BUILT PLANS
Contract No. 57-4BC22
Date Completed
Document No. 40002356

CONTRACT No. 57-4BC22
DATE ACCEPTED 1-6-58
AS BUILT
RESIDENT ENGINEER V. E. Collison
REVISIONS BY R.L. Boulware DATE 12-9-57
Dr. Dept. Rep.

BRIDGE DEPARTMENT
*** DESIGN SECTION *** 2
Project Designer
Chief Designer

DESIGN	By R. C. Cassano 9/56	Checked W. H. Howard 1/57	
DETAILS	By Ken Blechinger 12/56	Checked W. H. Howard 1/57	
QUANTITIES	By Kay Ab Tye 1/57	Checked	
SPECIFICATIONS	By	Plans and Specs. Engineer	

Approval Recommended by Engineer of Design
Civil and Structural Engr. License No. 5439

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

UVAS CREEK BRIDGE

RAILING & PIER DETAILS

SCALE: AS NOTED | BRIDGE 37-47 | FILE | DRAWING C-4831-4

PREL. DRAWING No. P-4831 | 3 | 16

22

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DATE SIGNATURE TITLE

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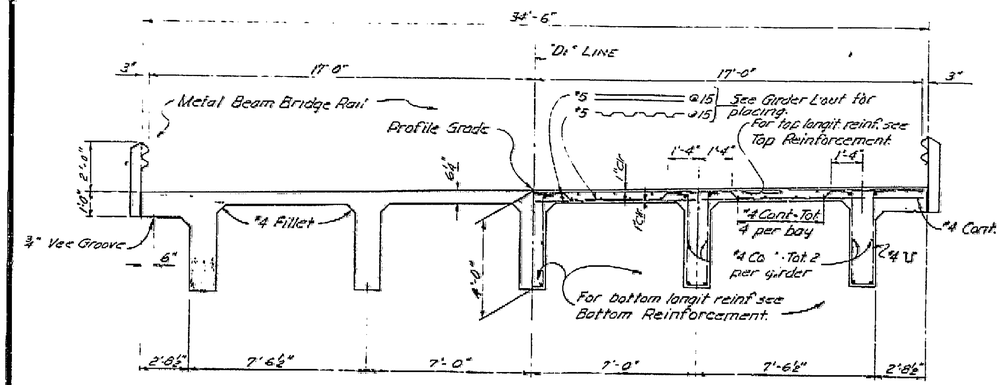
FED. ROAD DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	CALIF				

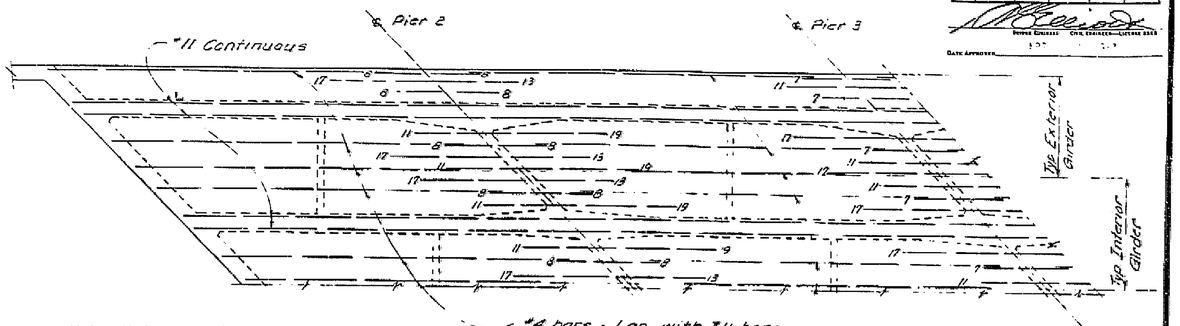
DIST	COUNTY	ROUTE	SECTION	SHEET NO.	TOTAL SHEETS
11	SCL	32	B	5	7

DEPUTY DIRECTOR — CIVIL ENGINEER — LICENSE 5868

DATE APPROVED 1-57



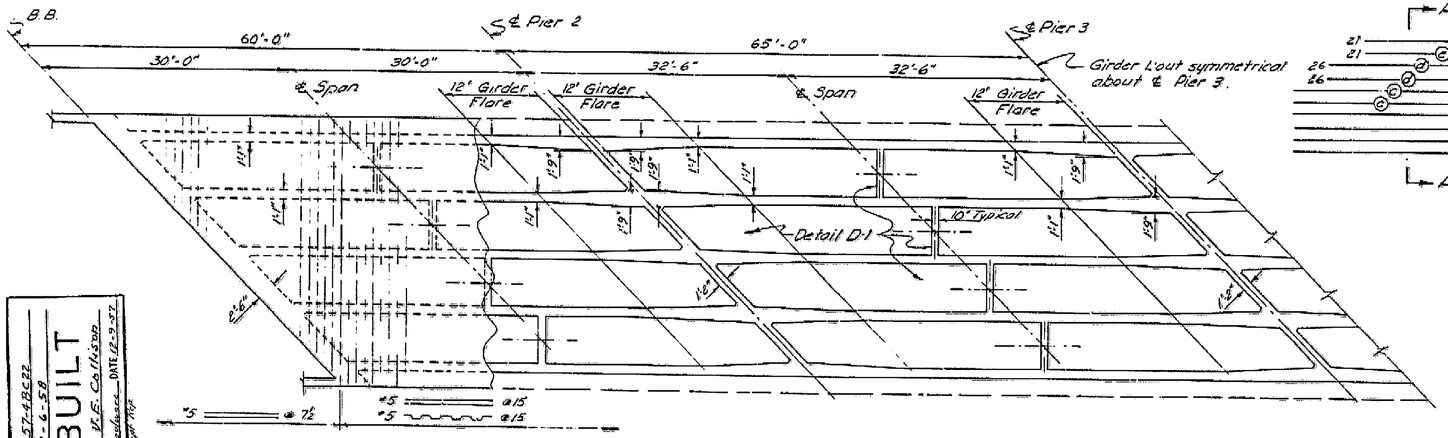
TYPICAL SECTION



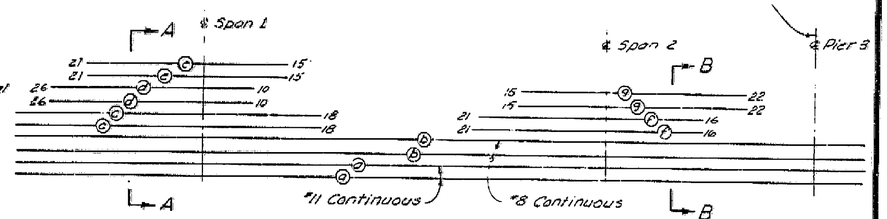
Note: All bars are #11 except as noted.
Numbers at end of bars indicate distance in feet from ℄ Pier for Top Reinf. and from ℄ Span for Bottom Reinf.

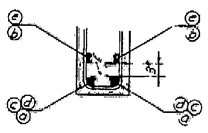
TOP REINFORCEMENT

Reinforcement symmetrical about ℄ Pier 3.

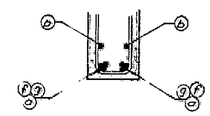


GIRDER LAYOUT



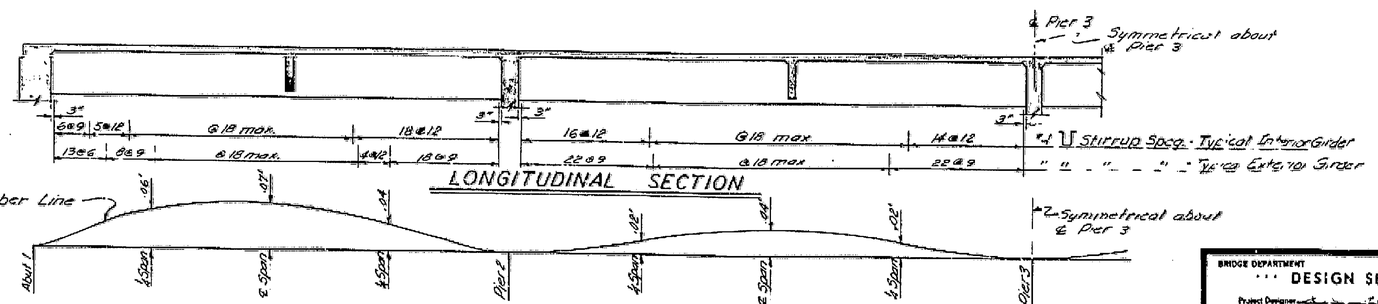


SECTION A-A



SECTION B-B

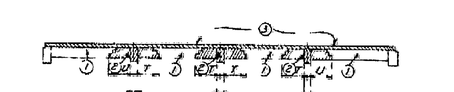
BOTTOM REINFORCEMENT



LONGITUDINAL SECTION

CAMBER DIAGRAM FOR TOTAL GIRDER DEFLECTION DUE TO DEAD LOADS

Note: The total deflection will be reached about four years after falsework removal. For values at time of falsework removal divide those shown by 4.
The amount of camber for construction will be determined by the Engineer.



SUPERSTRUCTURE PLACING DIAGRAM

Numbers (1) and (2) indicate sequence of placing girder stem concrete. (2) may be placed simultaneously with (1) when approved by the Engineer, and provided that the (1) sections are placed in adjoining spans.
Top slab concrete (3) may be placed separately from (1) and (2), but the only joints permitted shall be located within 2'-0" of the girder joints shown between (1) and (2). The length of placing (3) shall not exceed 100 feet. (3) may be placed with (1) and (2).
T = ⅓ span length
U = ¼ span length
For any deviation from the above the contractor shall submit a diagram to the Engineer.

No changes
CONTRACT No. 57-48822
DATE ACCEPTED 1-6-58
AS BUILT
RESIDENT ENGINEER W.E. Cathcart DATE 12-9-57
REVISIONS BY R.L. Beckner DATE 12-9-57
25 Sept. 1958

BRIDGE DEPARTMENT
··· DESIGN SECTION ··· 2
Project Designer [illegible]
Chief Designer W.J. Anderson

DESIGN	W.C. Jones	Checked W.H. Howard	1/57
DETAILS	Ken Blechinger	Checked W.H. Howard	1-57
QUANTITIES	by [illegible]	Checked [illegible]	1-57
SPECIFICATIONS	by	Prices and Items Compared	

Approved for submission by [signature] Engineer in Charge — Full Name Registered Engineer's Number 6438

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

UVAS CREEK BRIDGE

TYPICAL SECTION & GIRDER DETAILS

SCALE None | BRIDGE 37-47 | FILE | DRAWING C-4831-5

PREL. DRAWING No. P-4831 | 10/17

23

AS BUILT PLANS
Contract No. 57-48822
Date Completed
Document No. 4000236

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

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