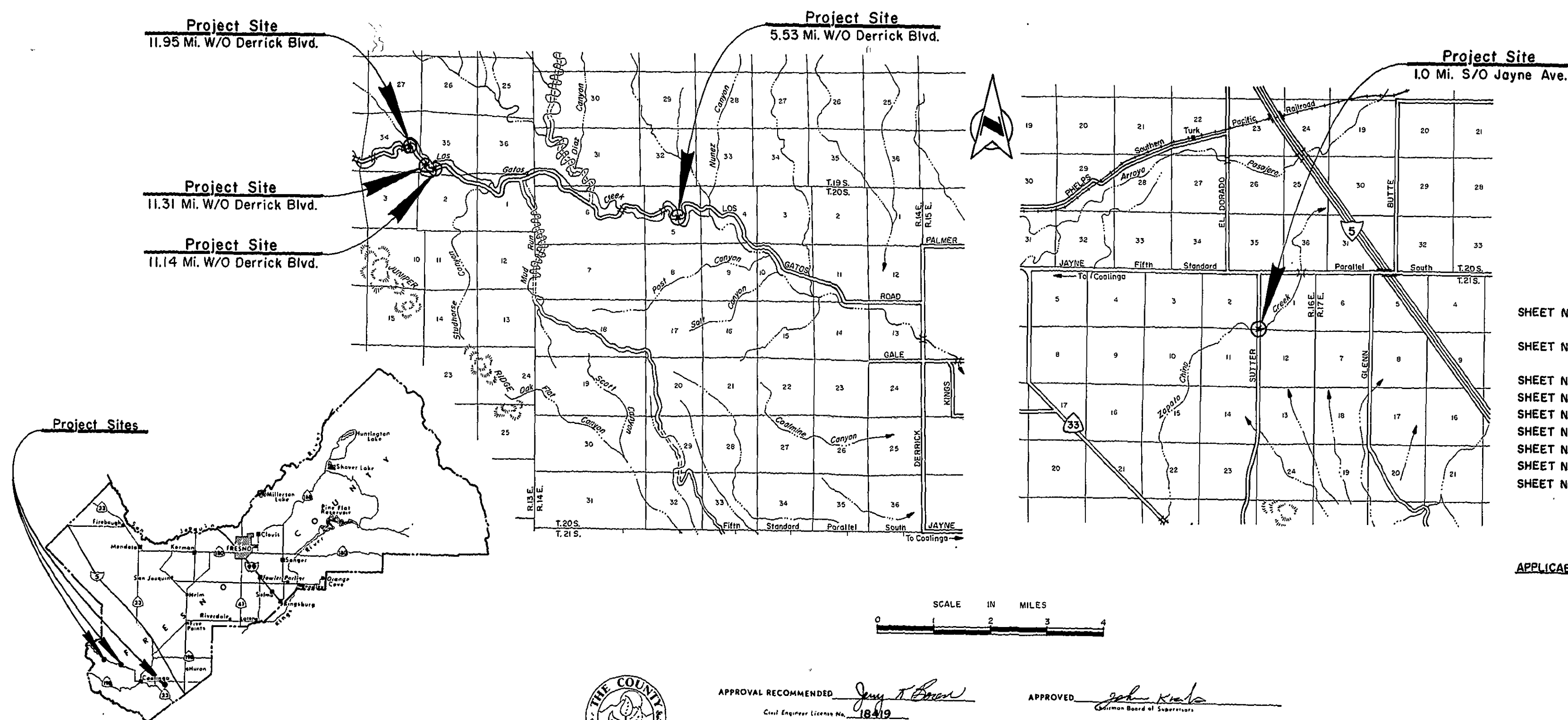


ROAD NUMBER	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
M3700, W2250	73-74	1	15

**DEPARTMENT OF PUBLIC WORKS
COUNTY OF FRESNO
PLANS FOR CONSTRUCTION
LOS GATOS CREEK BRIDGES
ON LOS GATOS ROAD
AND
ZAPATO CHINO CREEK BRIDGE
ON SUTTER AVENUE**



INDEX OF SHEETS

SHEET NO. 1	TITLE SHEET
SHEET NO. 2	LOS GATOS CREEK BRIDGES
SHEET NO. 3-4	TYPICAL CROSS SECTIONS
SHEET NO. 5-6	PROFILE - 5.53 MI. W/O DERRICK
SHEET NO. 7-8	5.53 MI. W/O DERRICK
SHEET NO. 9-10	11.14 MI. W/O DERRICK
SHEET NO. 11	11.31 MI. W/O DERRICK
SHEET NO. 12-14	11.95 MI. W/O DERRICK
SHEET NO. 15	SLAB AND ABUTMENT DETAILS
	ZAPATO CHINO CREEK BRIDGE
	RAILING AND FENCE DETAILS

APPLICABLE STANDARD PLANS JANUARY 1973

A62-A.3
A62-BB

BO-1
DSI-2
DS3-4



APPROVAL RECOMMENDED *Jerry T. Brown*
Civil Engineer License No. 18419

APPROVED *Clinton D. Perry*
Director of Public Works
Civil Engineer License No. 9345

APPROVED *John K. Kato*
Commissioner Board of Supervisors

APPROVAL DATE July 9, 1974

SCALE IN MILES
0 1 2 3 4

DRAWING NO. 5310-1
REVISION

18-21

REDUCED PLAN
USE SCALE BELOW
0 1 2 3
3 INCHES ON ORIGINAL PLAN

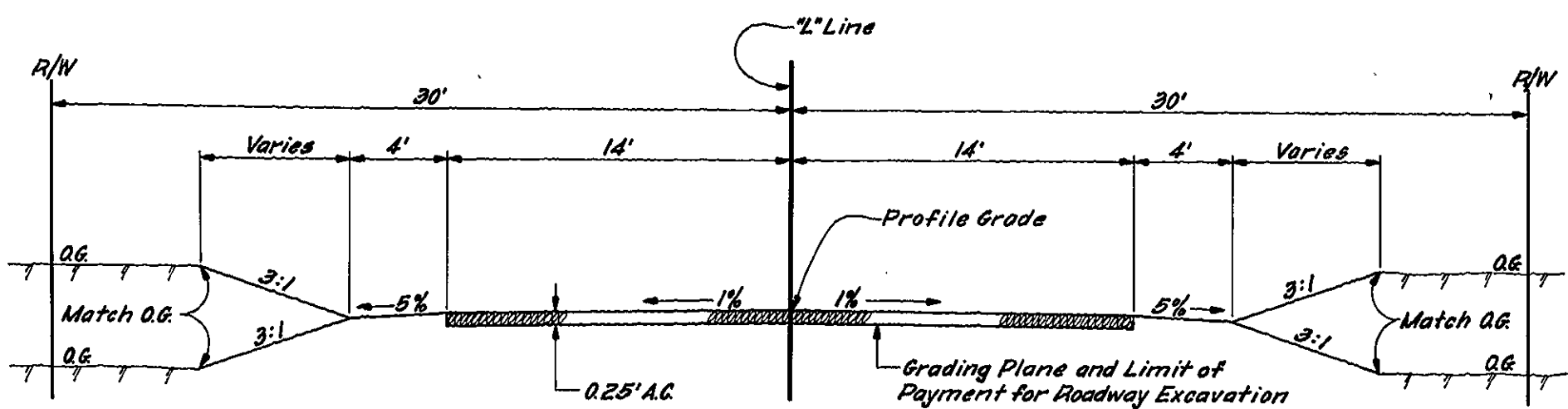
PROJECT	SHEET No.	TOTAL SHEETS
LOS GATOS CREEK BRIDGES	2	15

APPROVED *Shirley D. Davis*
 FRESNO COUNTY ASSY. DIRECTOR OF PUBLIC WORKS
 CIVIL ENGINEER LICENSE NO. 8078

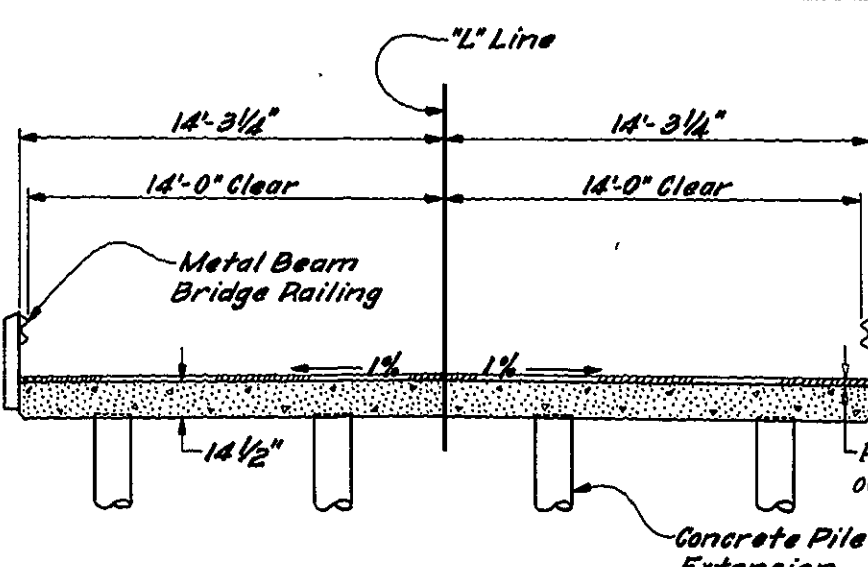
LEGEND

- 0.25' A.C. over Prepared Subgrade
- Variable Depth A.C. Cap

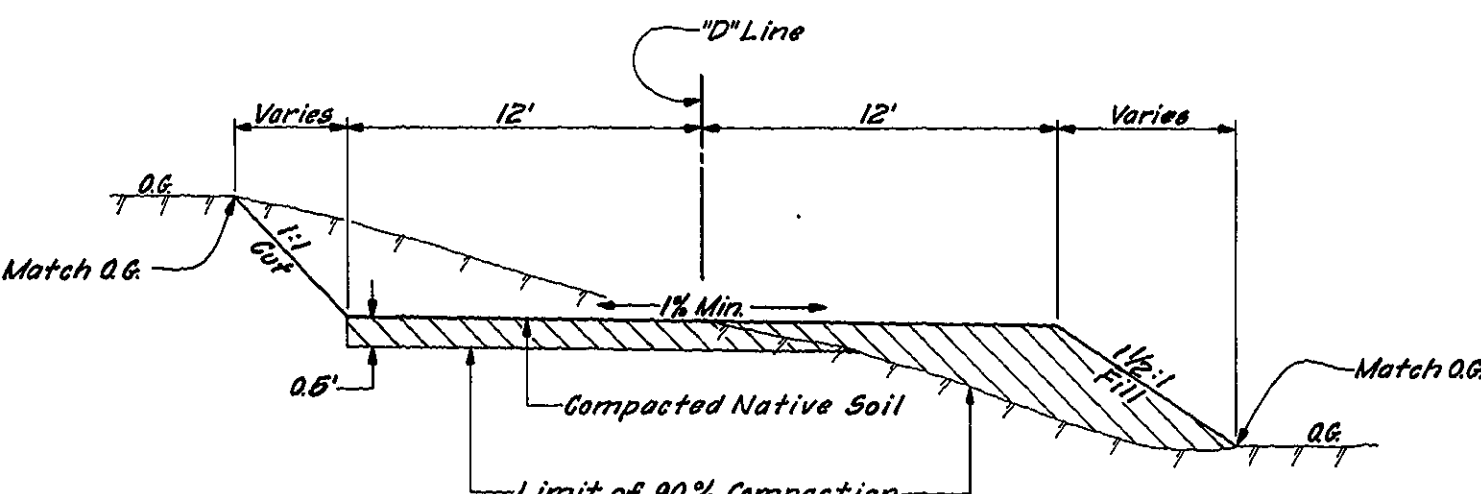
- A.C. = Asphalt Concrete
- P.C.C. = Portland Cement Concrete
- O.G. = Original Ground
- R/W = Right of Way Line
- V.C. = Vertical Curve
- FL = Flow Line
- L.F. = Linear Foot
- = Direction of Flow
- T.D. = Top of Deck
- Existing Fence



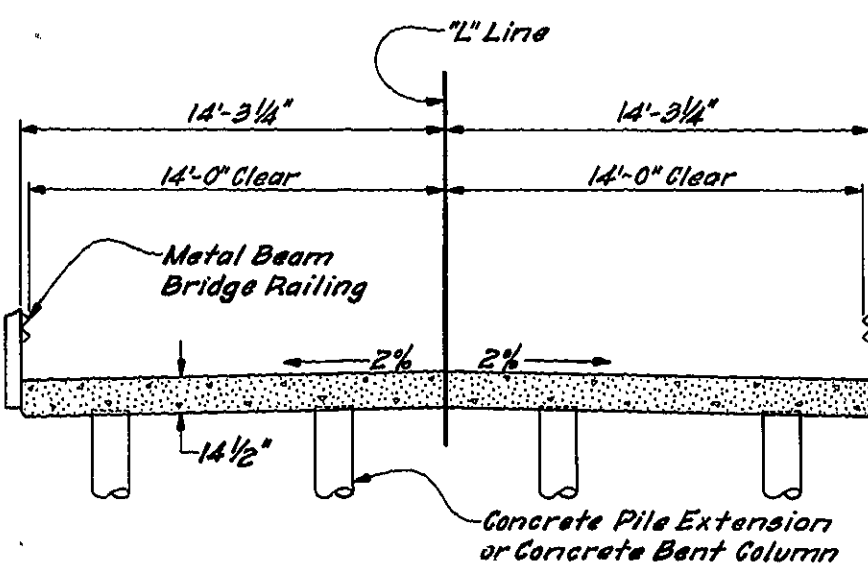
LOS GATOS ROAD
 Sta. 1+0+20.00 to Sta. 1+3+06.43
 Sta. 1+3+59.13 to Sta. 1+6+50.79



LOS GATOS CREEK BRIDGE



DETOURS



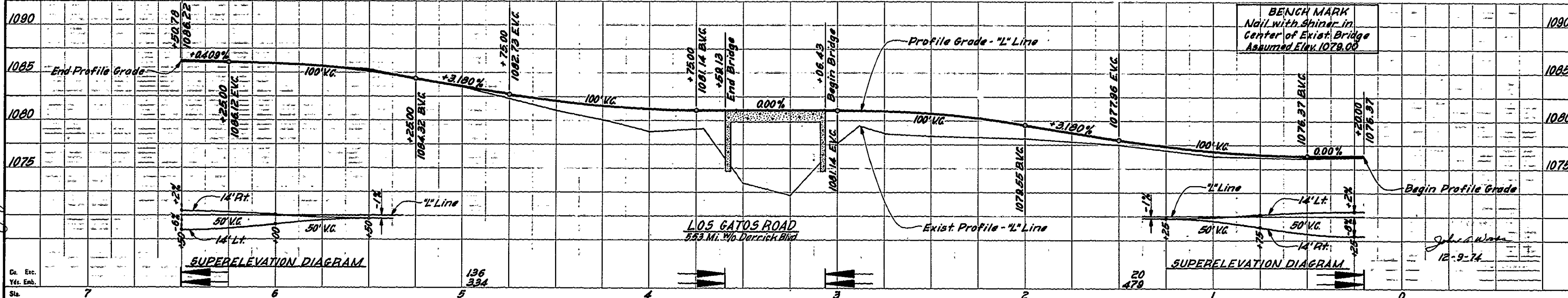
LOS GATOS CREEK BRIDGES

5.53 MILES W/ DERRICK BLVD.

11.14, 11.31, and 11.95 MILES W/ DERRICK BLVD.

TYPICAL CROSS SECTIONS

No Scale



FIELD BOOK NO. 1078
 DRAWN BY JES
 CHECKED BY JES
 DATE 12-23
 1949

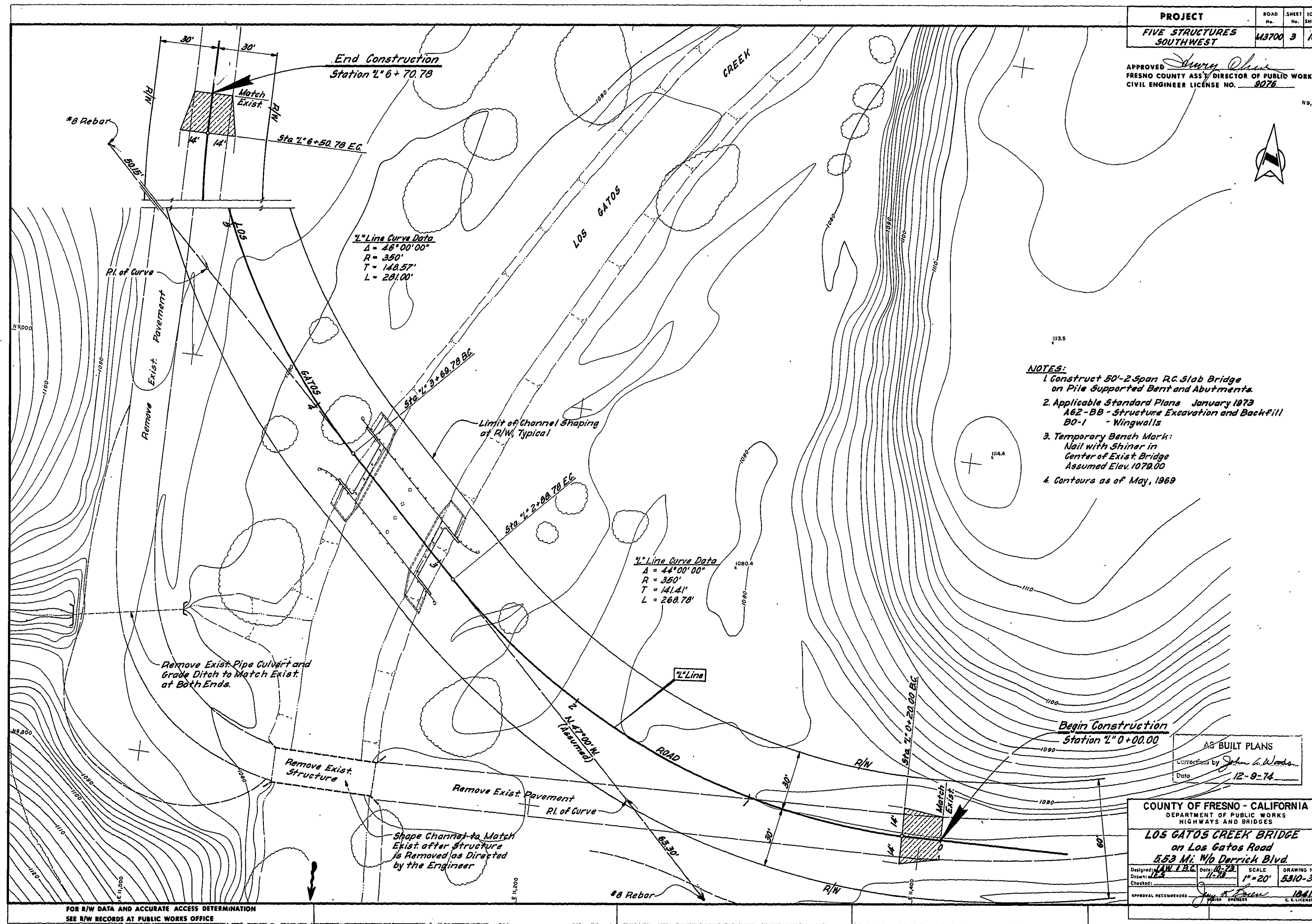
FOR R/W DATA AND ACCURATE ACCESS DETERMINATION
 SEE R/W RECORDS AT PUBLIC WORKS OFFICE

PROFILE SCALE: Horizontal 1" = 25'
 Vertical 1" = 5'

FORMAT: DRAWING NO. 5310-2

18-21

REDUCED PLAN
 USE SCALE BELOW
 0 1 2 3
 1/8" = 1' ON ORIGINAL PLAN



PROJECT		ROAD No.	SHEET No.	TOTAL SHEETS
FIVE STRUCTURES SOUTHWEST		43700	3	15

APPROVED *James Oliver*
FRESNO COUNTY ASS'Y. DIRECTOR OF PUBLIC WORKS
CIVIL ENGINEER LICENSE NO. 9276

11/200



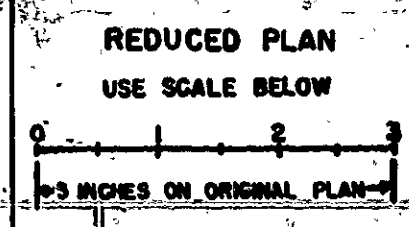
- NOTES:**
1. Construct 50'-2 Span R.C. Slab Bridge on Pile Supported Bent and Abutments.
 2. Applicable Standard Plans January 1973
A62-BB - Structure Excavation and Backfill
B0-1 - Wingwalls
 3. Temporary Bench Mark:
Nail with Shiner in
Center of Exist. Bridge
Assumed Elev. 1079.00
 4. Contours as of May, 1969

AS BUILT PLANS
Corrections by *John A. Woods*
Date 12-9-74

COUNTY OF FRESNO - CALIFORNIA DEPARTMENT OF PUBLIC WORKS HIGHWAYS AND BRIDGES			
LOS GATOS CREEK BRIDGE on Los Gatos Road 5.53 Mi. W/Derrick Blvd.			
Designed by <i>JAN 13.6</i>	Drawn by <i>12.7</i>	SCALE 1"=20'	DRAWING NO. 5310-3
Checked by <i>12.8</i>	APPROVAL RECOMMENDED <i>James Oliver</i> ENGINEER 12412 C.E. LICENSE NO.		

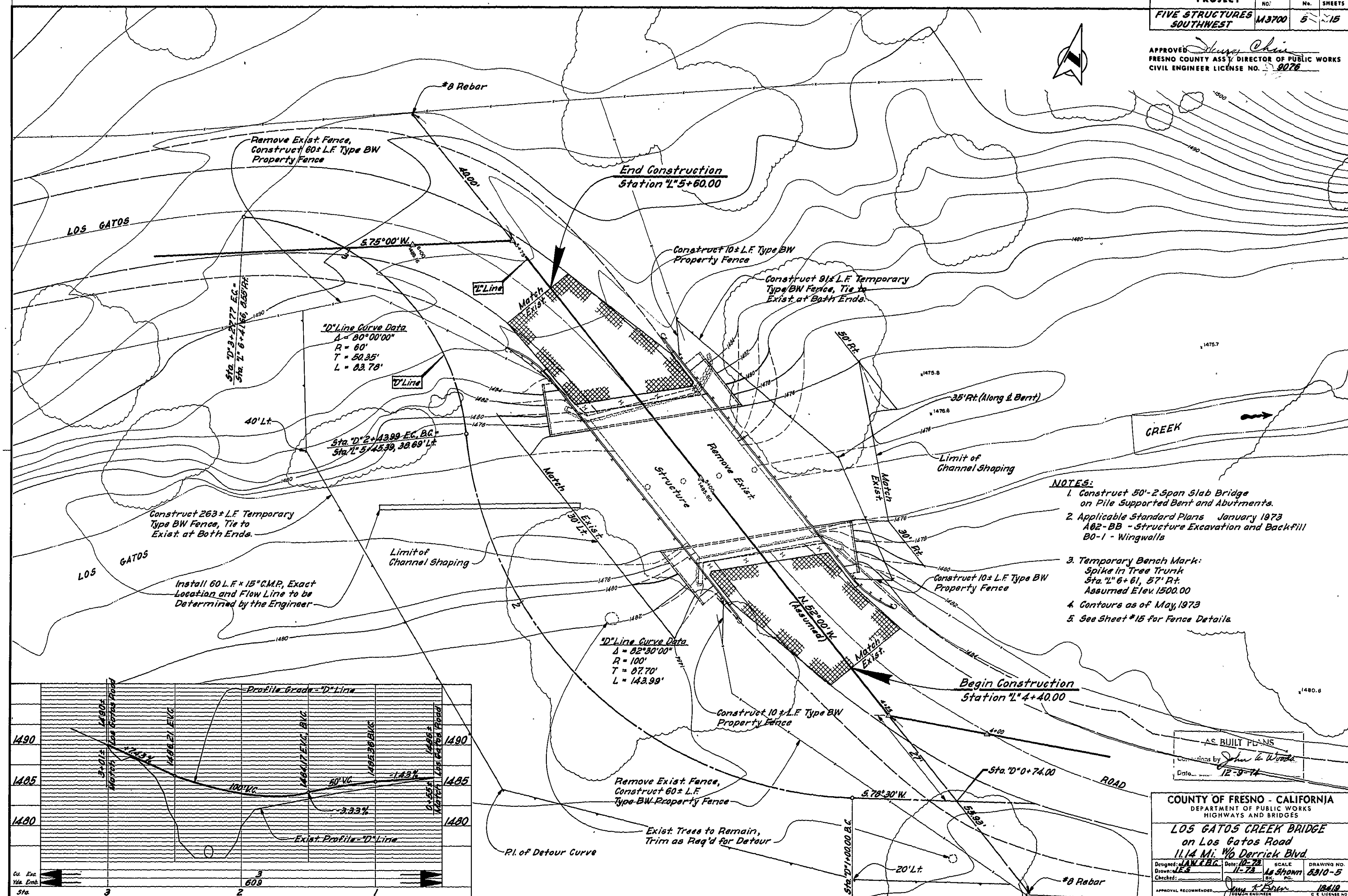
FOR R/W DATA AND ACCURATE ACCESS DETERMINATION
SEE R/W RECORDS AT PUBLIC WORKS OFFICE
Compiled By CARTWRIGHT Aerial Surveys Inc.

18-21

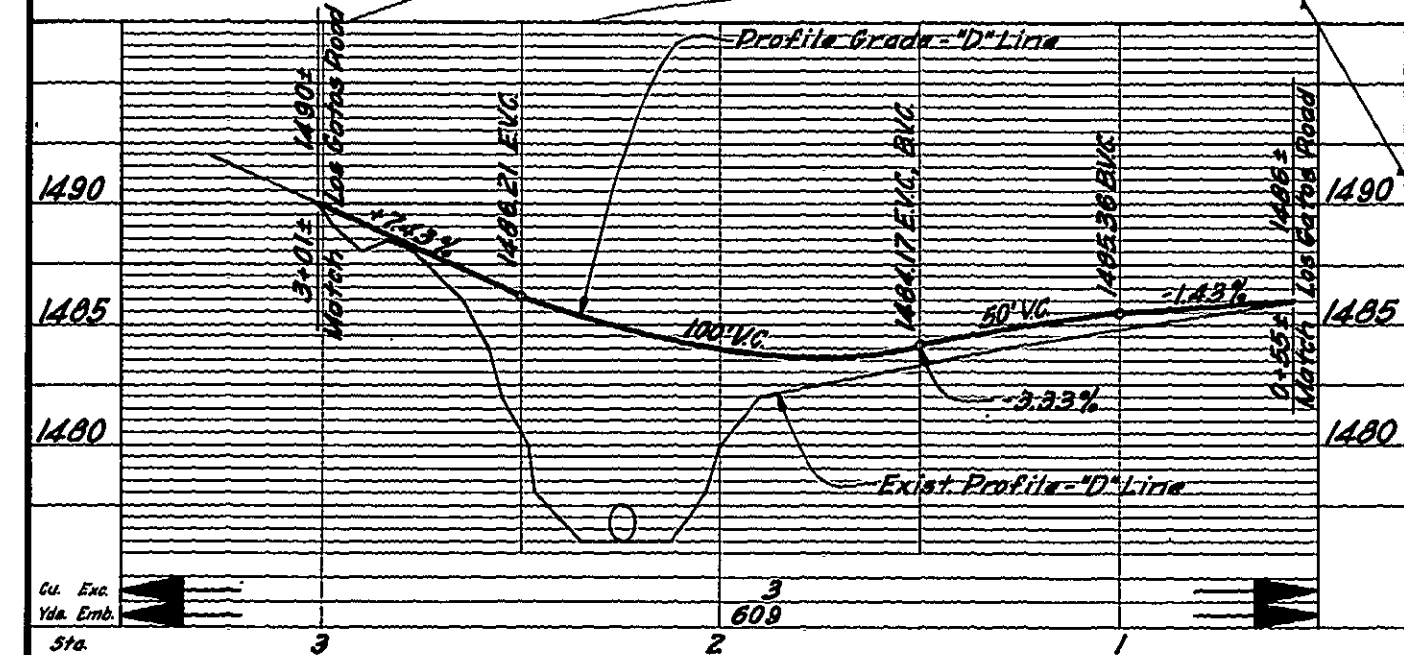


PROJECT	ROAD NO.	SHEET NO.	TOTAL SHEETS
FIVE STRUCTURES SOUTHWEST	M3700	5	15

APPROVED *John A. Wilson*
 FRESNO COUNTY ASSY. DIRECTOR OF PUBLIC WORKS
 CIVIL ENGINEER LICENSE NO. 9078



- NOTES:**
1. Construct 50'-2 Span Slab Bridge on Pile Supported Bent and Abutments.
 2. Applicable Standard Plans January 1973
 A02-BB - Structure Excavation and Backfill
 B0-1 - Wingwalls
 3. Temporary Bench Mark:
 Spike in Tree Trunk
 Sta. 1+6+61, 57' Rt.
 Assumed Elev. 1500.00
 4. Contours as of May, 1973
 5. See Sheet #15 for Fence Details.



FOR R/W DATA AND ACCURATE ACCESS DETERMINATION
 SEE R/W RECORDS AT PUBLIC WORKS OFFICE

PLAN SCALE: 1" = 10'

PROFILE SCALE: Horizontal 1" = 30'
 Vertical 1" = 5'

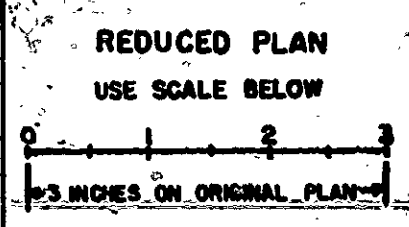
FORMAT: # 434

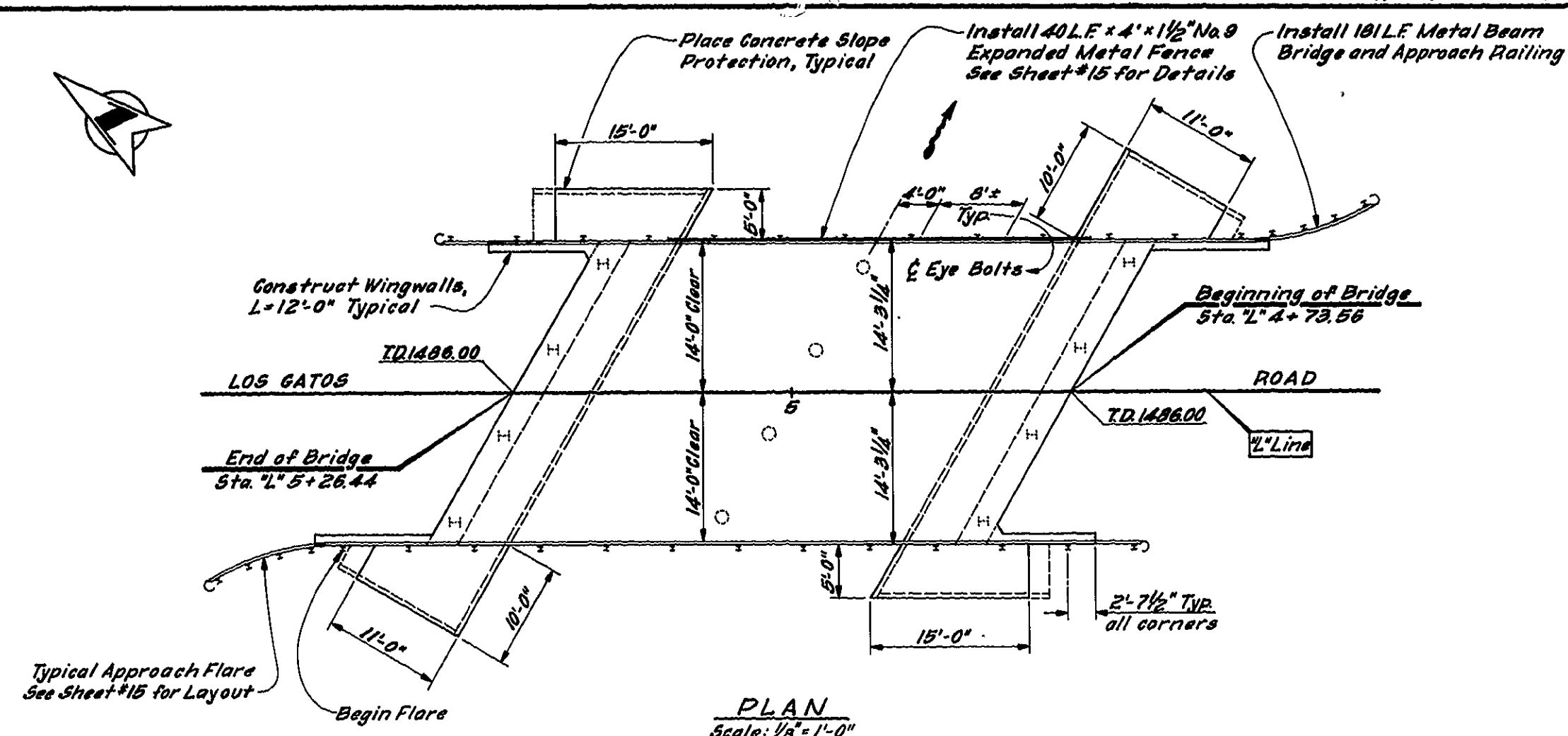
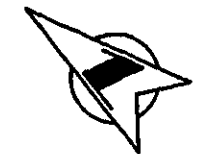
Compiled by CARTWRIGHT Aerial Surveys Inc.

AS BUILT PLANS
 Checked by *John A. Wilson*
 Date: 12-5-74

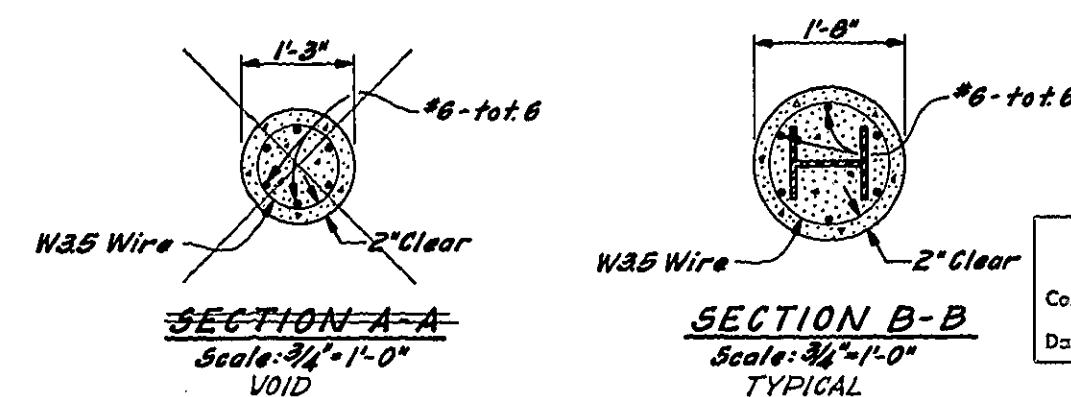
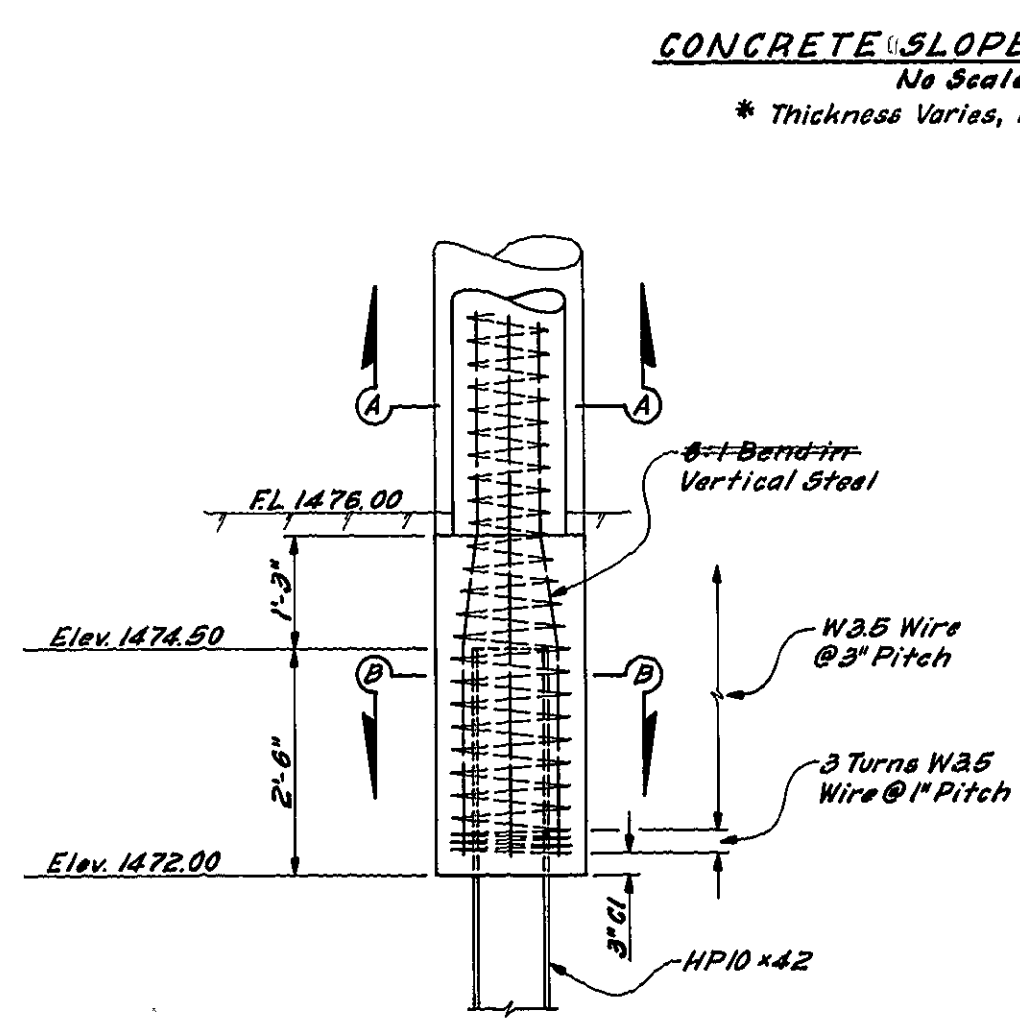
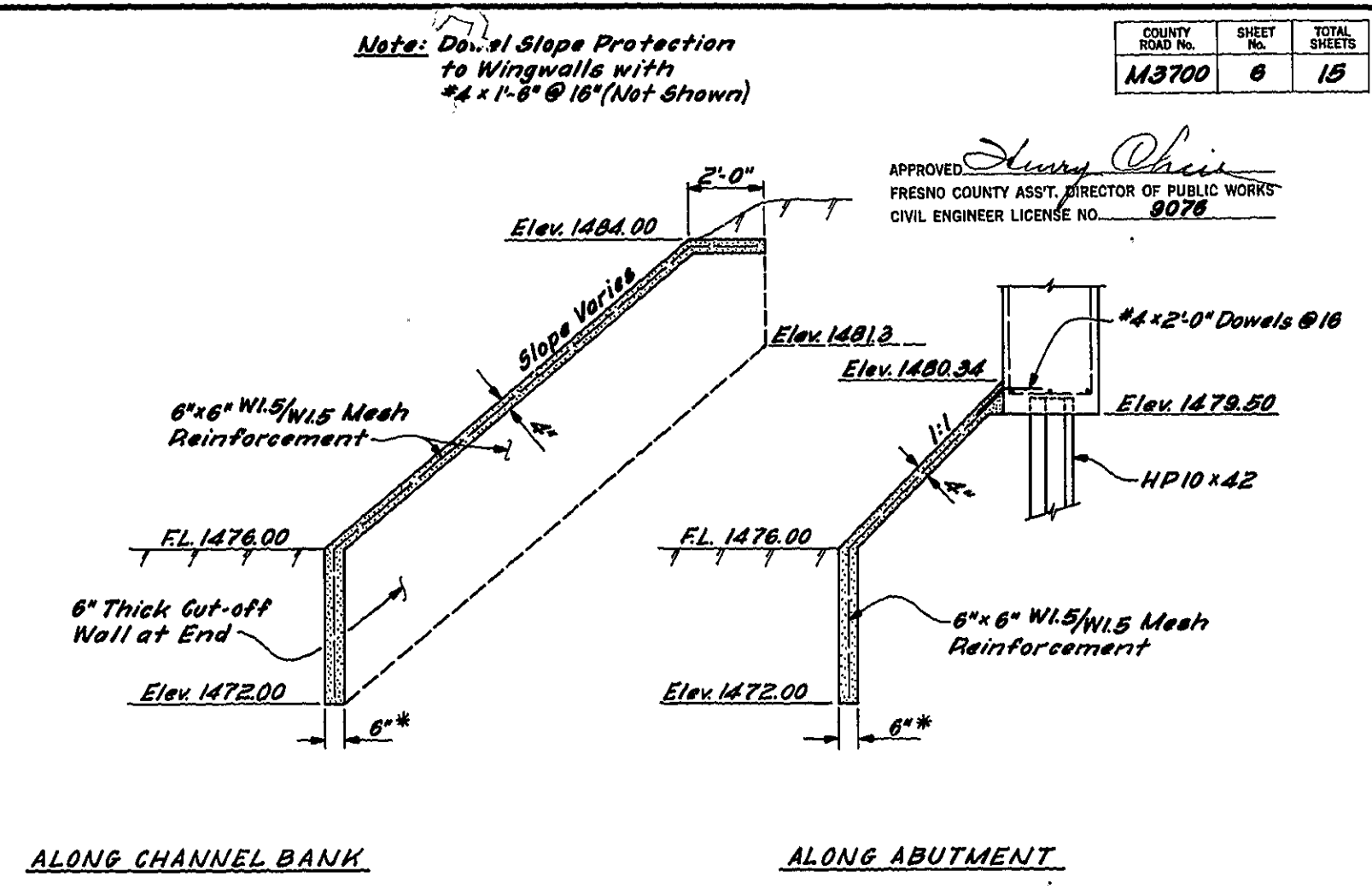
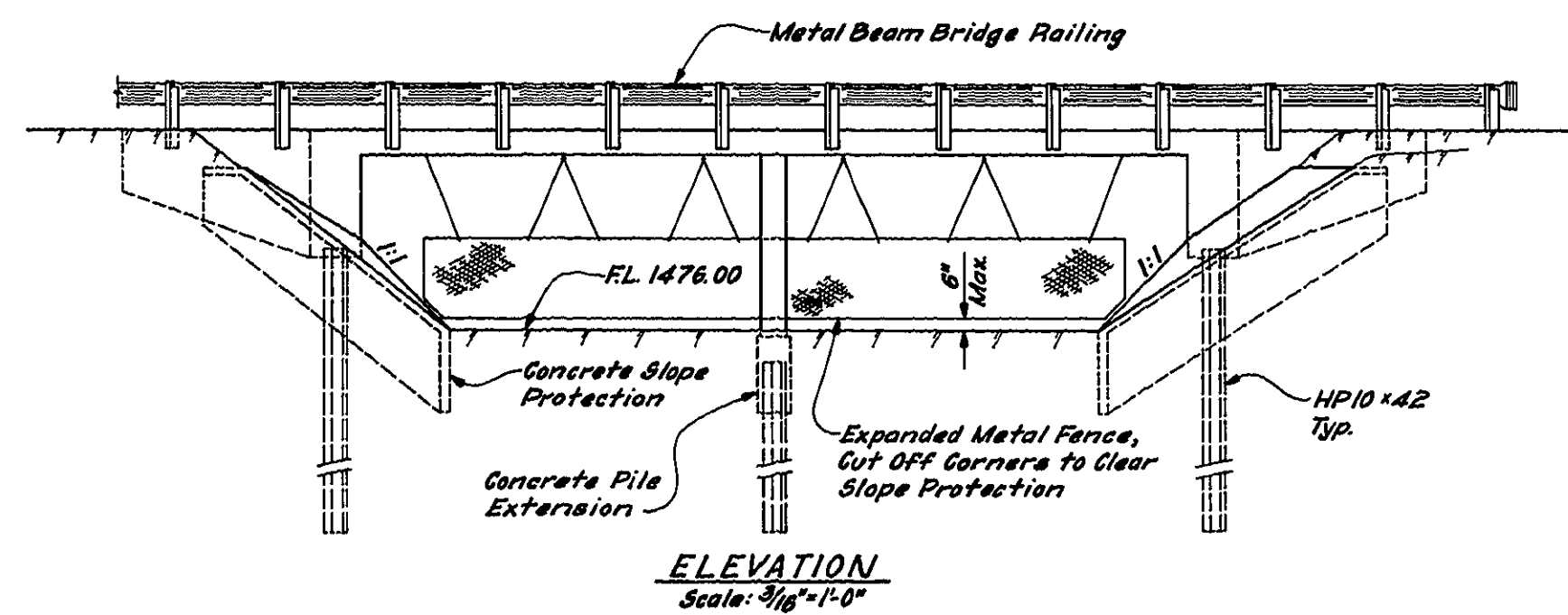
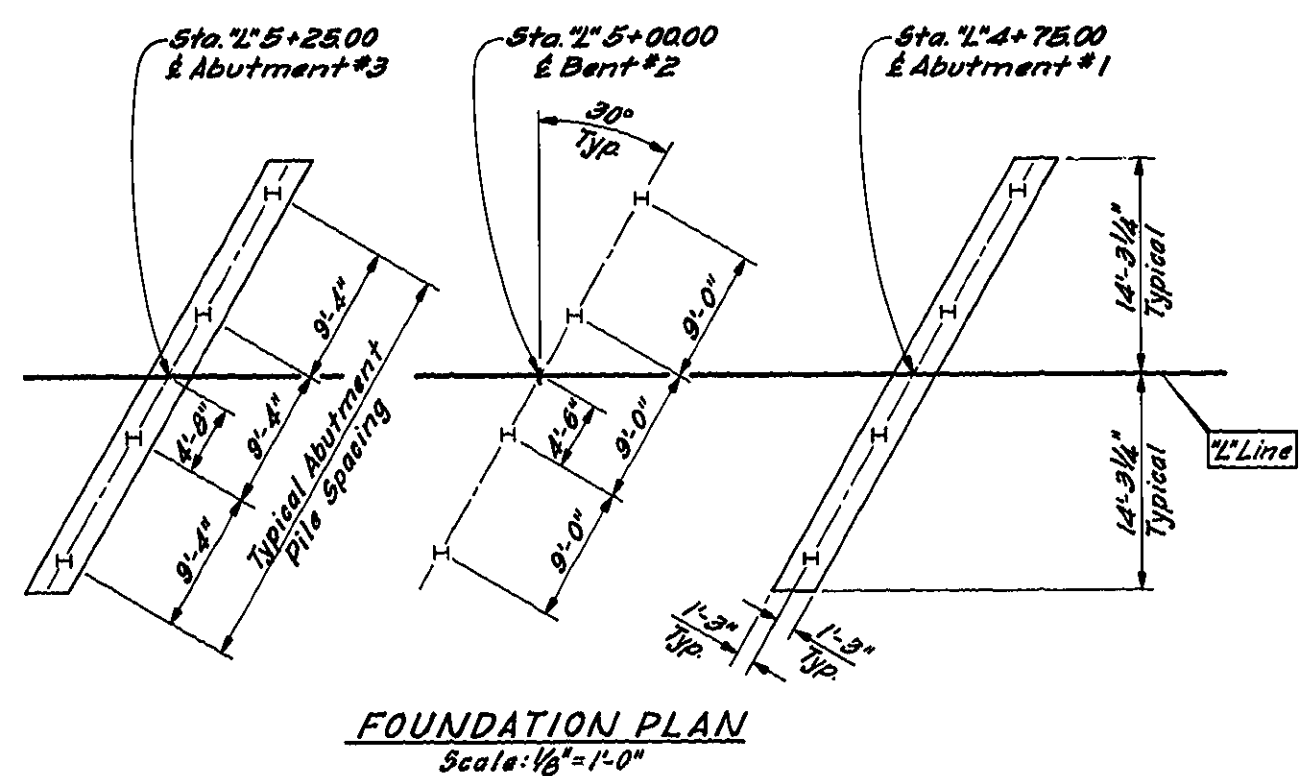
COUNTY OF FRESNO - CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 HIGHWAYS AND BRIDGES
LOS GATOS CREEK BRIDGE
 on Los Gatos Road
 11.14 Mi. W/Darrick Blvd.
 Designed: *JAW/BA* Date: *12-73* SCALE: *AS SHOWN* DRAWING NO. *5310-5*
 Drawn: *LES* Checked: *LES* APPROVAL: *John A. Wilson* CIVIL ENGINEER LICENSE NO. *9078*

18-21





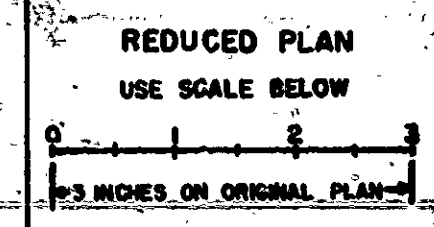
PILE NOTES:
All Piles to be HP10 x 42 - total 12
Pile Loading - 55 Tons
Minimum Pile Tip Elevation
Abut #1 Bent #2 Abut #3
1465 1464 1467
Top of Pile Elevations
Abut #1 Bent #2
1479.92 1474.50
Top of Pile Extension Elevations
13'-6" L & R 4'-6" L & R
1484.66 1484.01

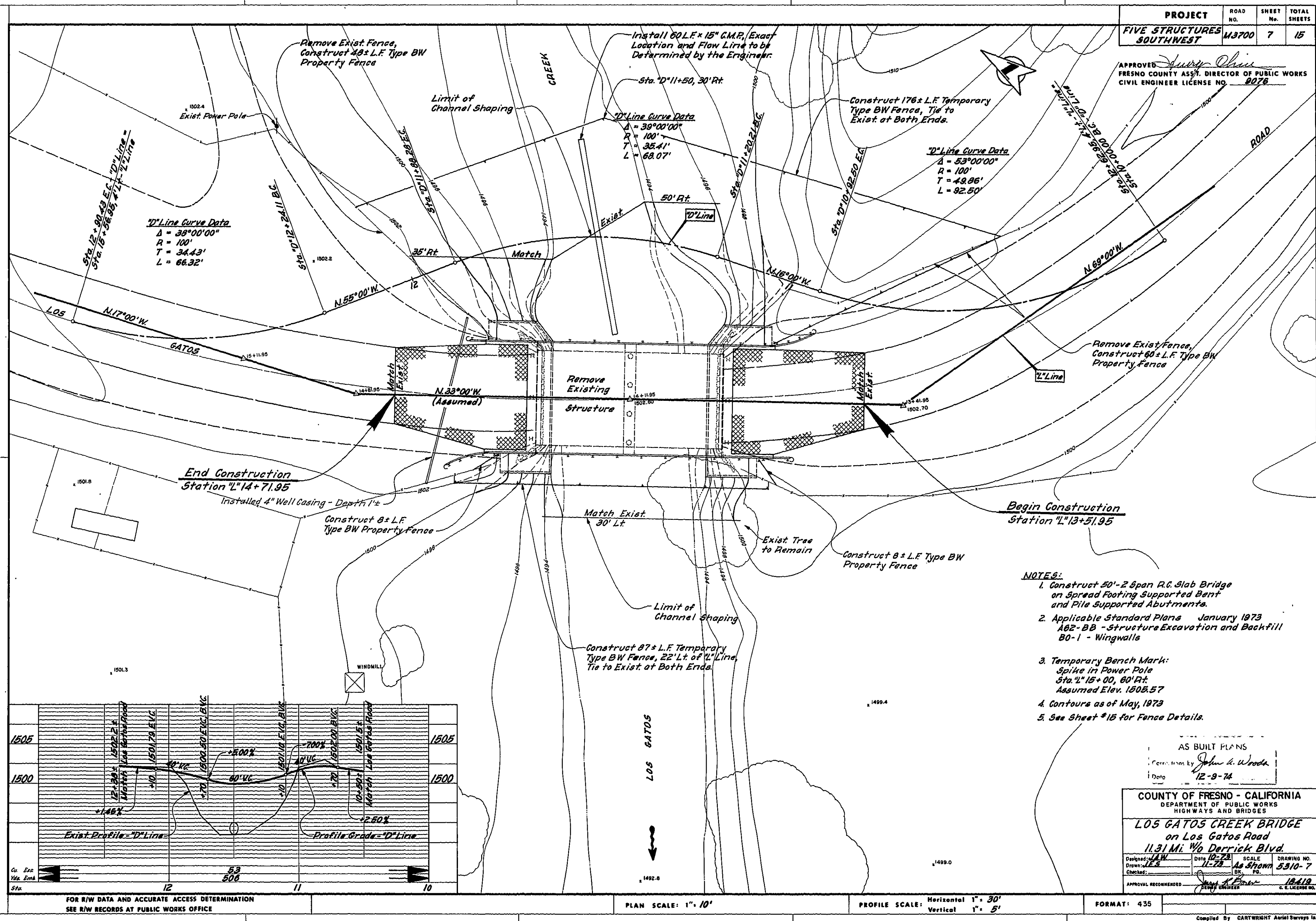


NOTES:
1. See Sheet #11 for Slab and Abutment Details.
2. See Sheet #15 for Railing Details.

COUNTY OF FRESNO - CALIFORNIA DEPARTMENT OF PUBLIC WORKS HIGHWAYS AND BRIDGES			
LOS GATOS CREEK BRIDGE 11.14 Mi. W/Derrick Blvd. CONSTRUCTION DETAILS			
DESIGNED BY J. L. Woods	DATE 5-74	SCALE As Shown	DRAWING NO. 5310-6
CHECKED BY J. L. Woods	DATE 12-9-74	APPROVAL J. L. Woods	10410 C. L. Woods
REVISION			

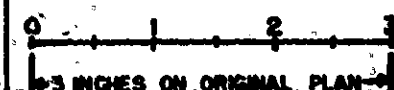
18-21

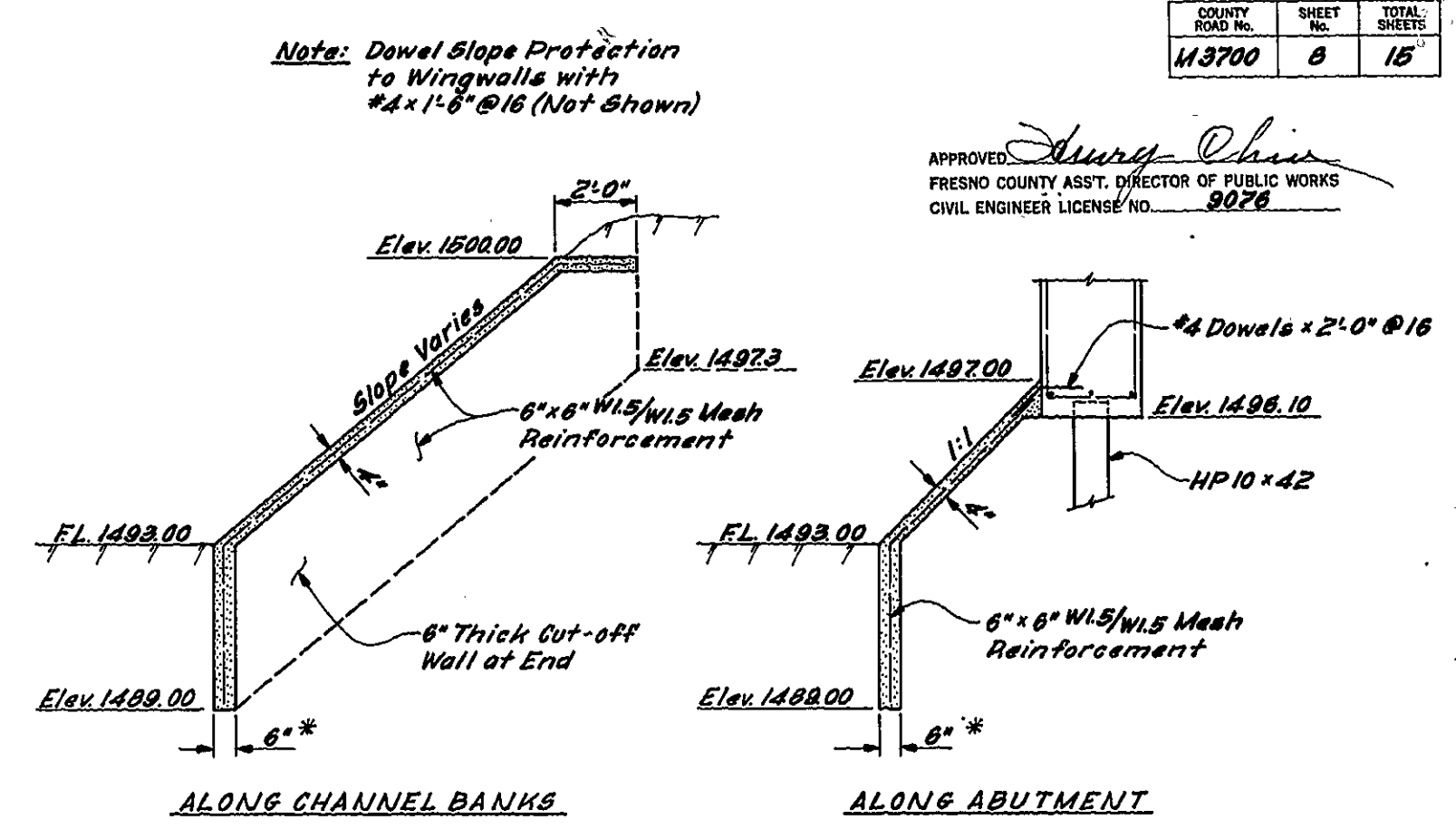
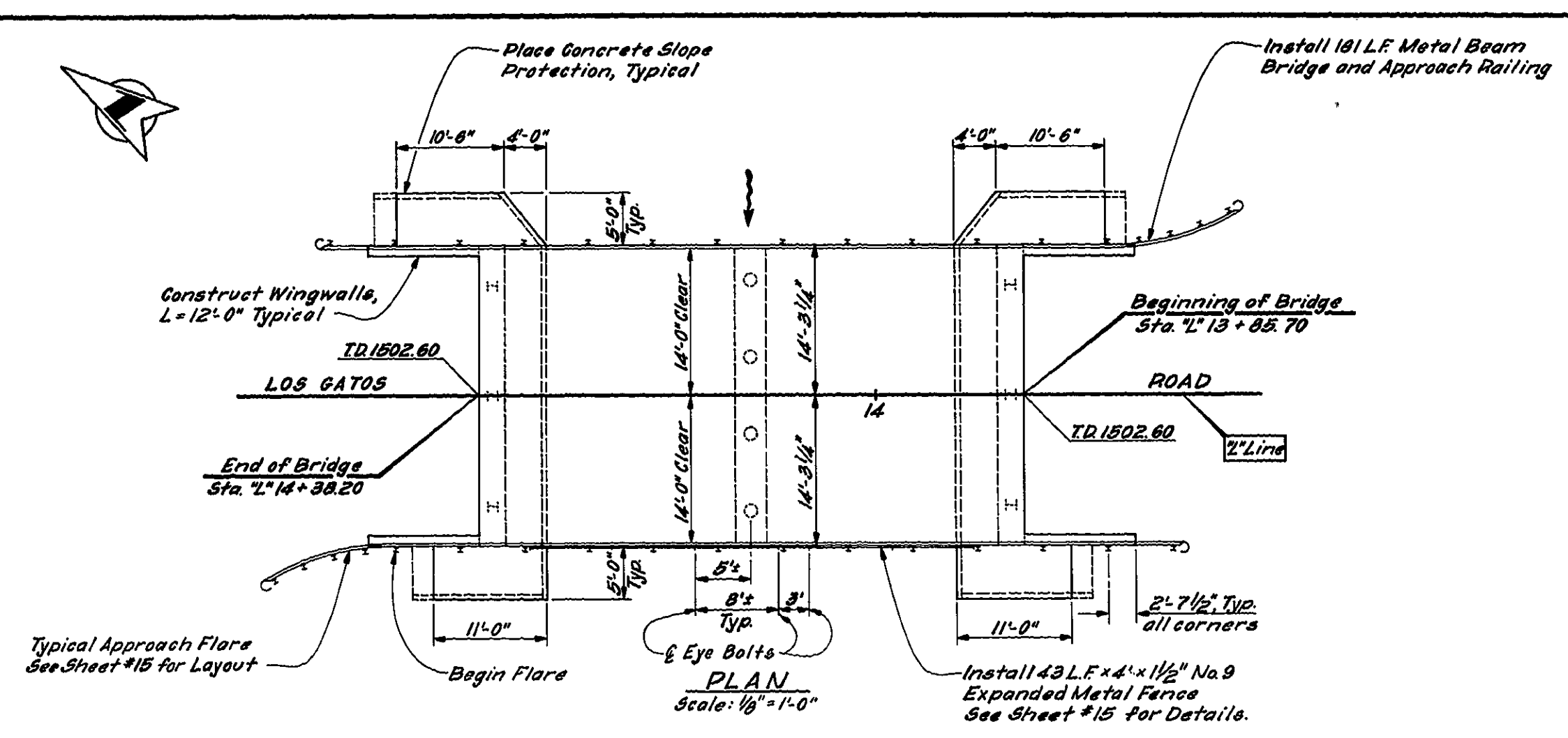




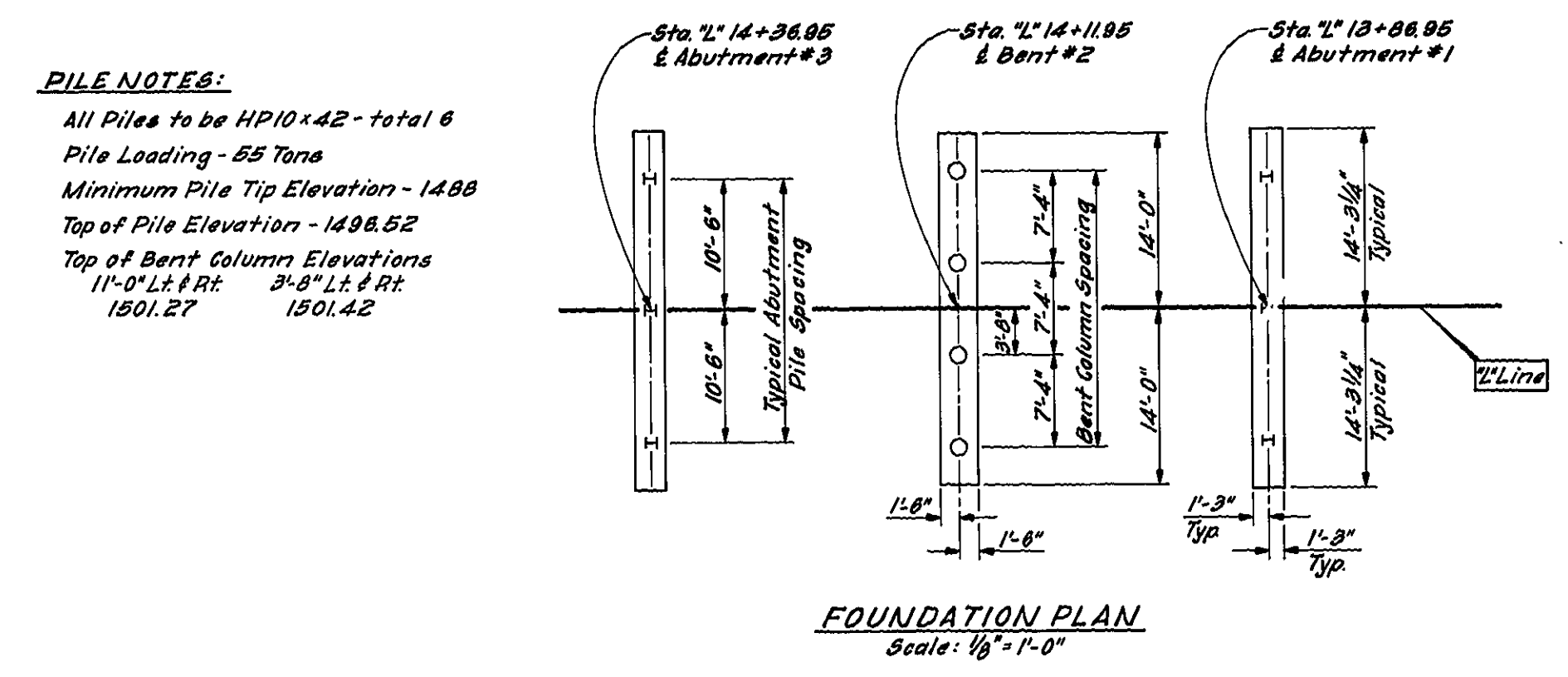
18-21

REDUCED PLAN
USE SCALE BELOW

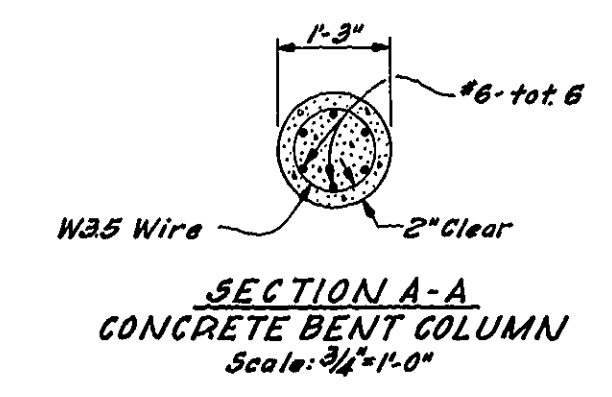
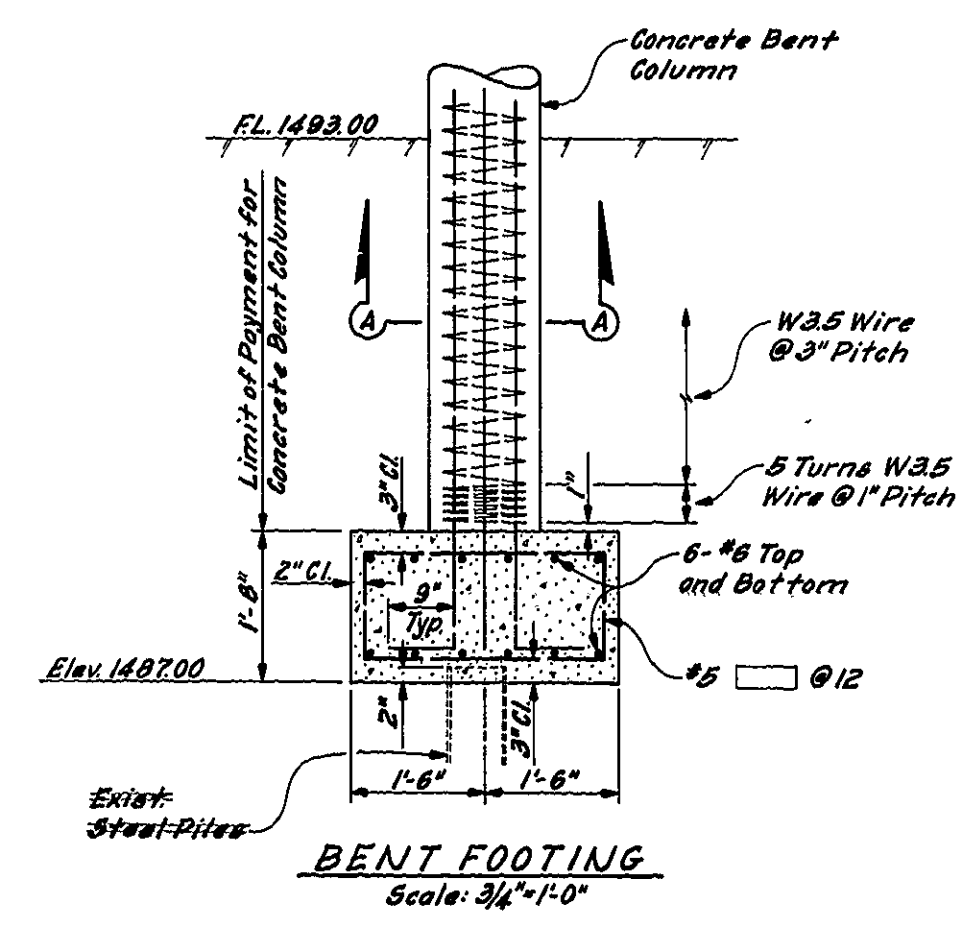
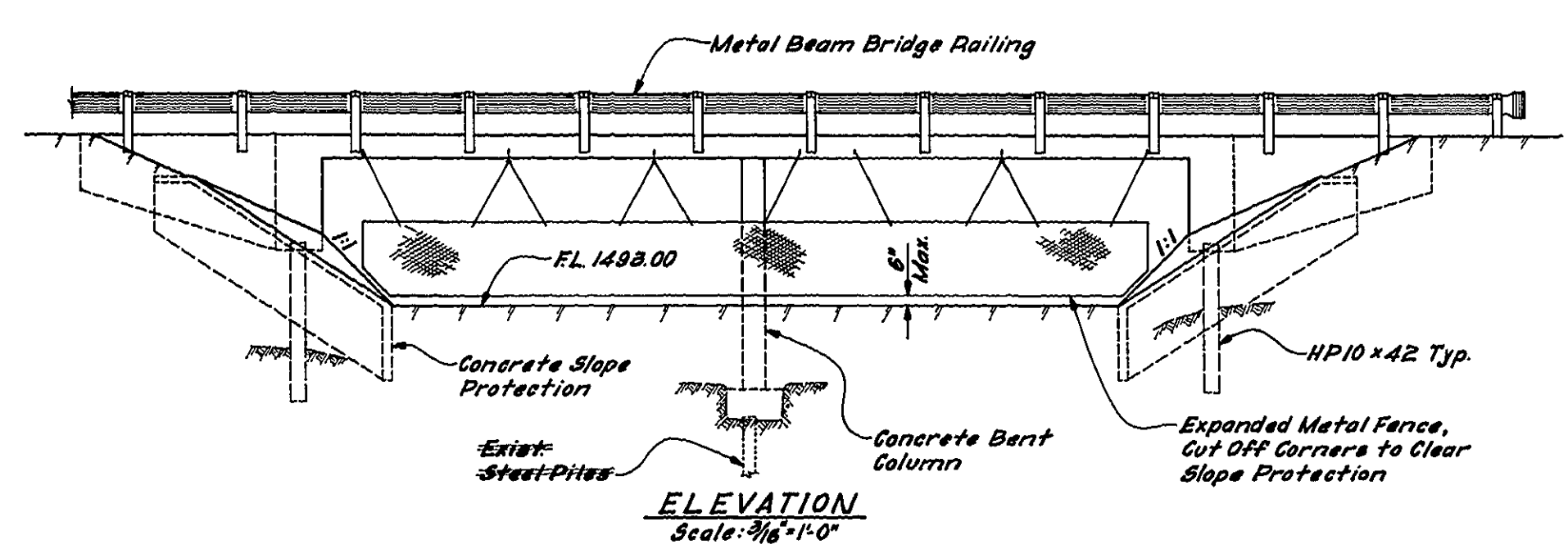




CONCRETE SLOPE PROTECTION
No Scale
* Thickness Varies, Not Less Than 6"



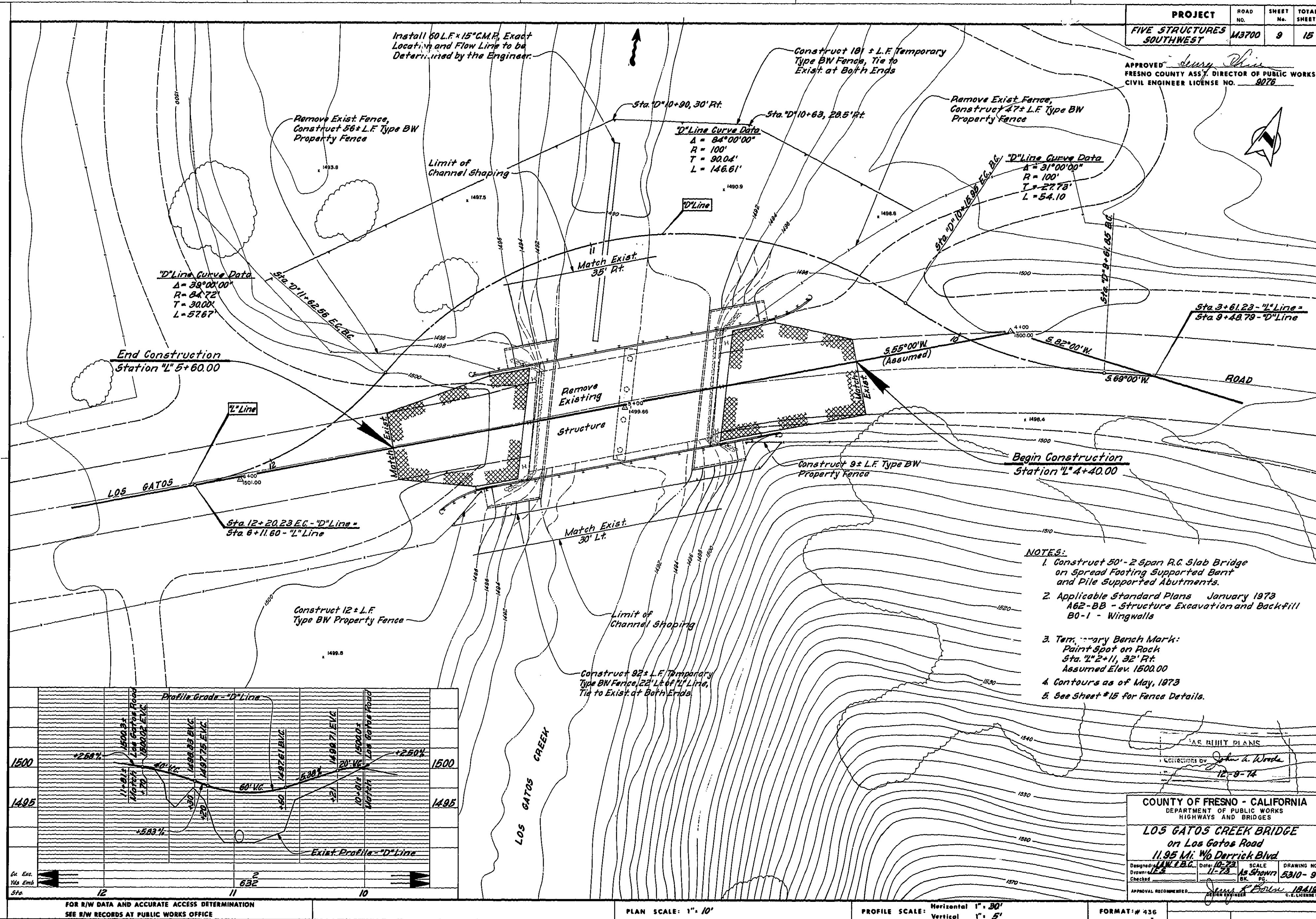
FOUNDATION PLAN
Scale: 1/8" = 1'-0"



- NOTES:**
1. See Sheet #11 for Slab and Abutment Details.
2. See Sheet #15 for Railing Details.

AS BUILT PLANS
Corrections by *John A. Woods*
Date 12-9-74

COUNTY OF FRESNO - CALIFORNIA DEPARTMENT OF PUBLIC WORKS HIGHWAYS AND BRIDGES			
LOS GATOS CREEK BRIDGE 1131 Mi. W/ Derrick Blvd.			
CONSTRUCTION DETAILS			
DESIGNED: <i>BE</i>	DATE: <i>5-74</i>	SCALE: <i>As Shown</i>	DRAWING NO. <i>5310-8</i>
DRAWN: <i>JE</i>	CHECKED: <i>JE</i>	APPROVAL: <i>John A. Woods</i>	C. E. LICENSE NO. <i>18410</i>
REVISION			



PROJECT	ROAD NO.	SHEET No.	TOTAL SHEETS
FIVE STRUCTURES SOUTHWEST	M3700	9	15

APPROVED: *James P. Davis*
 FRESNO COUNTY ASS'Y. DIRECTOR OF PUBLIC WORKS
 CIVIL ENGINEER LICENSE NO. 9072

- NOTES:**
1. Construct 50'-2 Span R.C. Slab Bridge on Spread Footing Supported Bent and Pile Supported Abutments.
 2. Applicable Standard Plans January 1973
 A62-BB - Structure Excavation and Backfill
 B0-1 - Wingwalls
 3. Temporary Bench Mark:
 Paint Spot on Rock
 Sta. 12+11.32 Rt.
 Assumed Elev. 1500.00
 4. Contours as of May, 1973
 5. See Sheet #15 for Fence Details.

COUNTY OF FRESNO - CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 HIGHWAYS AND BRIDGES
LOS GATOS CREEK BRIDGE
 on Los Gatos Road
 11.95 Mi. W/o Derrick Blvd
 Designed by *W. B. G.* Date *12-73* SCALE *AS SHOWN* DRAWING NO. *5310-9*
 Checked by *W. B. G.* Date *12-73* SCALE *AS SHOWN* DRAWING NO. *5310-9*
 APPROVAL RECOMMENDED: *James P. Davis* CIVIL ENGINEER LICENSE NO. *12419*

FOR R/W DATA AND ACCURATE ACCESS DETERMINATION
 SEE R/W RECORDS AT PUBLIC WORKS OFFICE

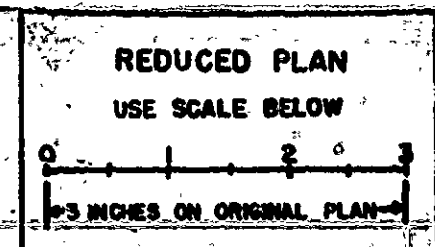
PLAN SCALE: 1" = 10'

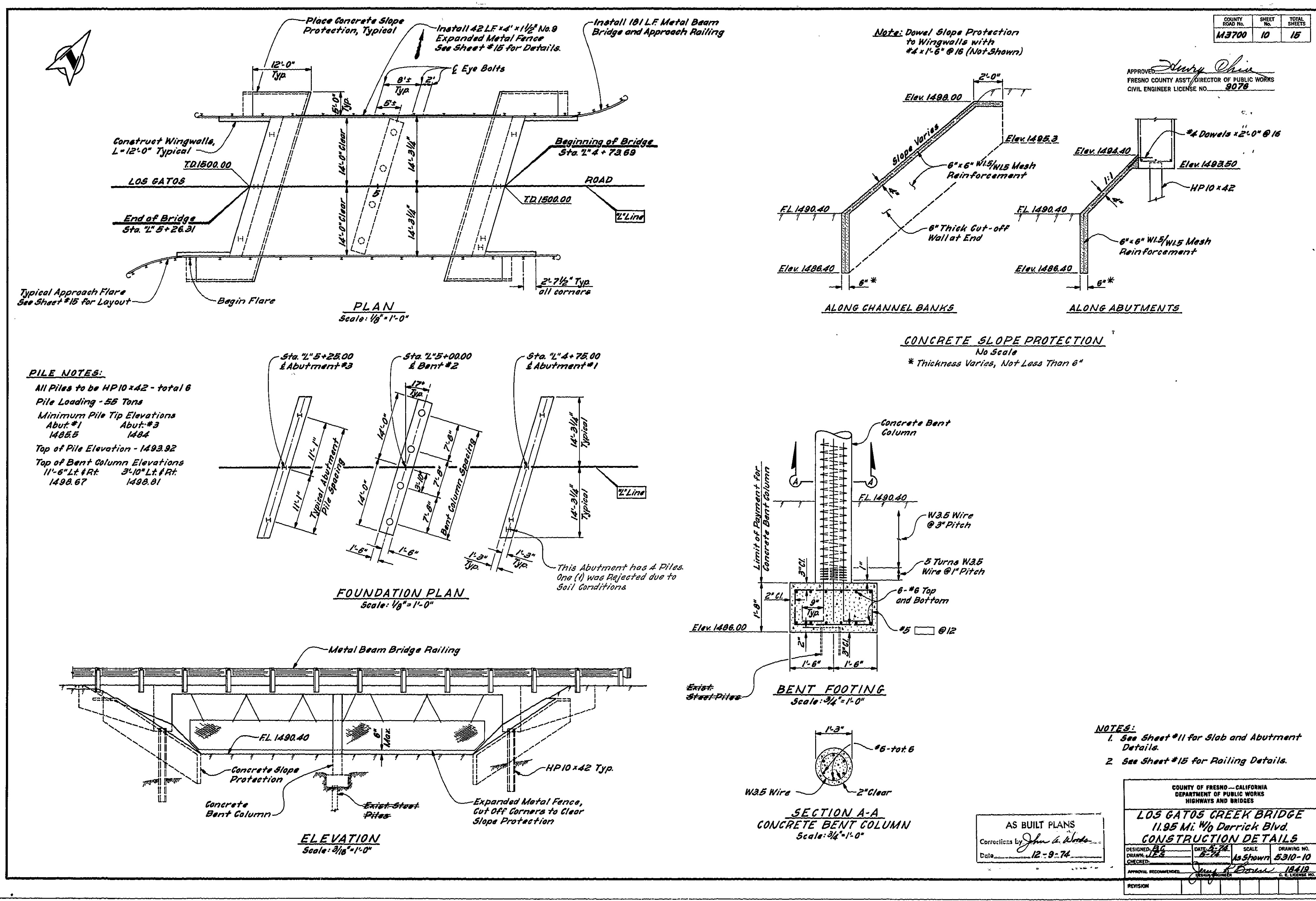
PROFILE SCALE: Horizontal 1" = 30'
 Vertical 1" = 5'

FORMAT: # 436

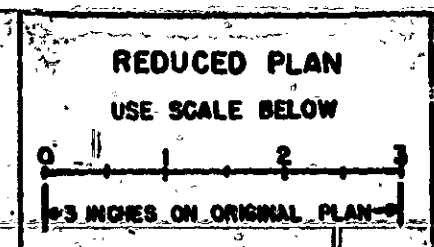
Compiled by CARTWRIGHT Aerial Surveys Inc.

18-21





18-21



APPROVED *Harry Chien*
 FRESNO COUNTY ASST. DIRECTOR OF PUBLIC WORKS
 CIVIL ENGINEER LICENSE NO. 8076

LENGTH OF SPAN		25'-0"	#
REINFORCEMENT TOP OF SLAB	a' bars	Size #10	#11
	b' bars	Length 52'-0"	#11
	c' bars	Size #9	#10
	d' bars	Length 12'-0"	#10
REINFORCEMENT BOTTOM OF SLAB	e' bars	Size #9	#11
	f' bars	Length 18'-0"	#11
	g' bars	Size #8	#10
	h' bars	Length 13'-0"	#10
T = Thickness of Slab		14 1/2"	

* At Bridge 6.53 Size of Rebar
 Changed as per Request of Supplier.

GENERAL NOTES

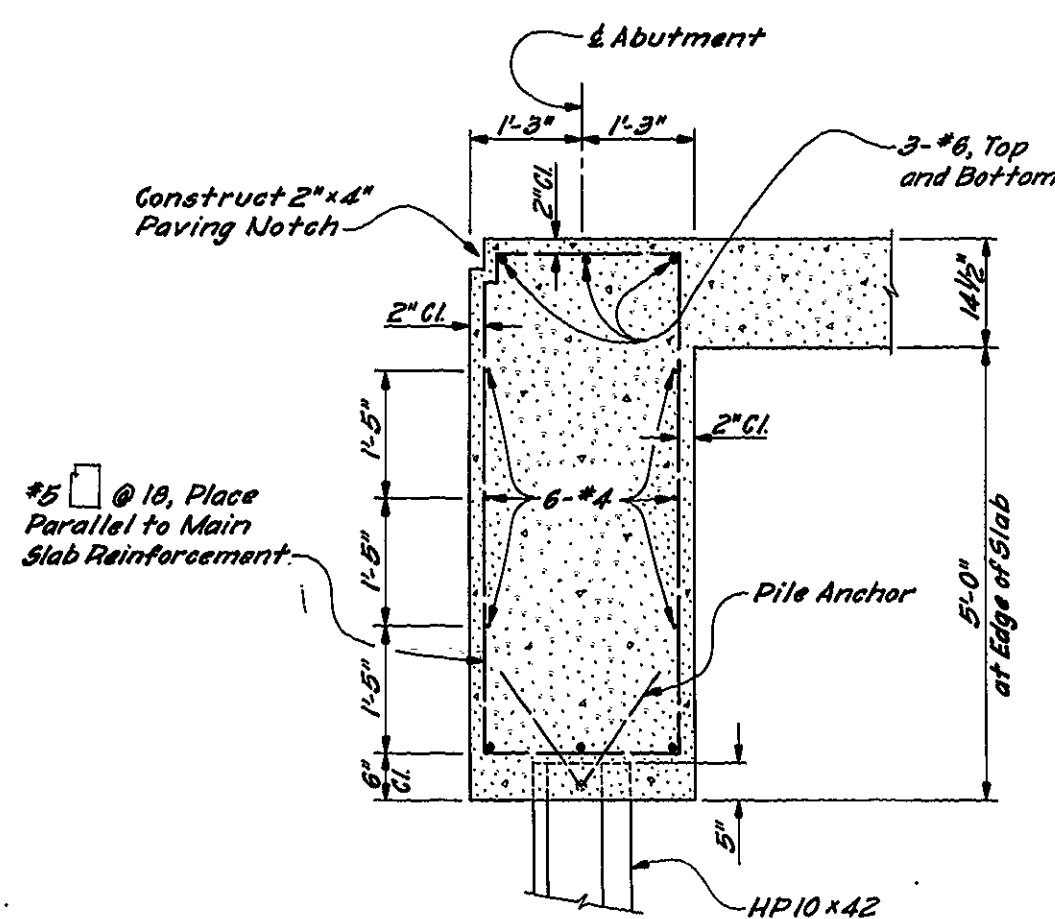
DESIGN: A.A.S.H.O. Dated 1971 with Revisions
 and as Supplemented by "BRIDGE
 PLANNING AND DESIGN MANUAL"
 LIVE LOADING: HS20-44 and Alternative
 REINFORCED CONCRETE: $f'_s = 24,000$ psi, except
 $20,000$ psi in stirrups
 $f'_c = 1,300$ psi
 $n = 10$

- NOTES:
1. Splices in Top Main Reinforcement to be Located Near Center of Span.
 2. Splices in Bottom Main Reinforcement to be Located Near Pier.
 3. Spacing of all Transverse Reinforcement is Measured along Δ Roadway.
 4. Skew 0° to 20°: Place all Transverse Reinforcement Parallel to Pier.
 5. Skew over 20°: Place all Transverse Reinforcement Perpendicular to Δ Bridge.
 6. Transverse Construction Joints if used are to be Placed 1/4 Point of Span.
 7. Longitudinal Construction Joints if used are to be Placed at Edge of Travel Lanes.

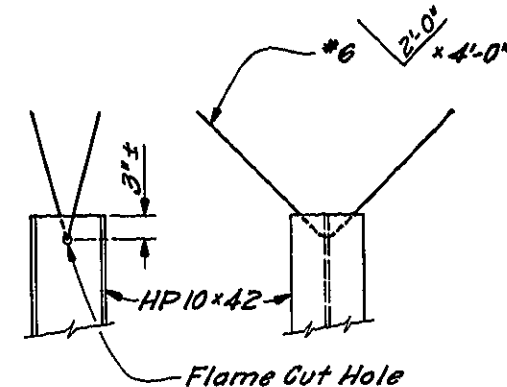
LOS GATOS CREEK BRIDGES
 SLAB AND ABUTMENT DETAILS

COUNTY OF FRESNO - CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 HIGHWAYS AND BRIDGES

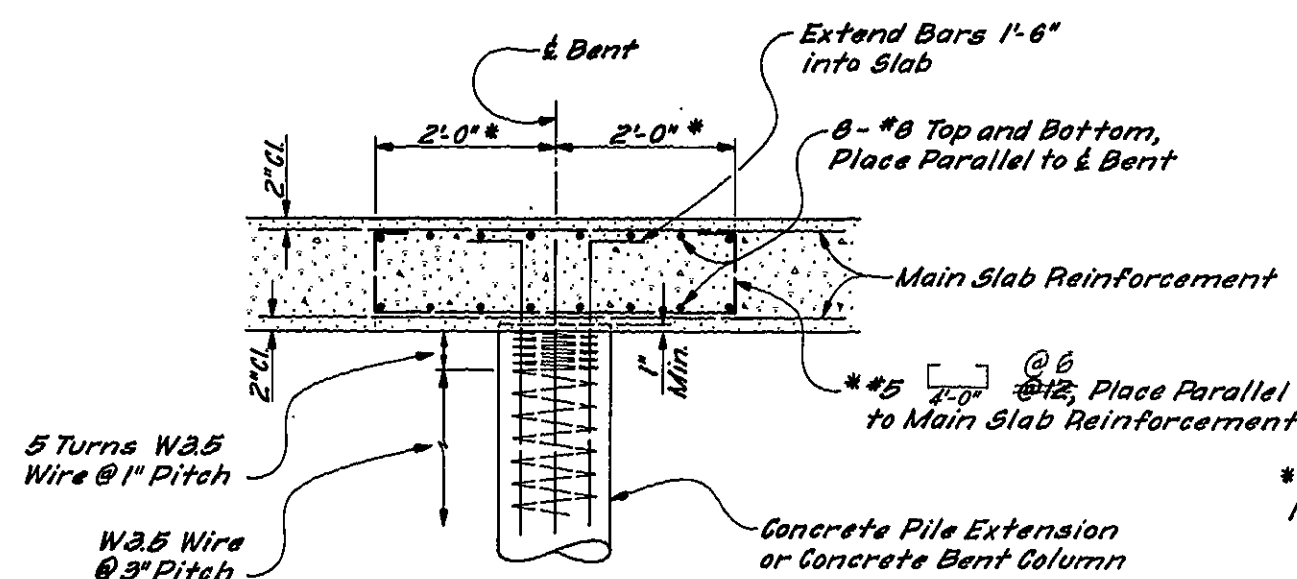
DRAWING NO. 5310-11



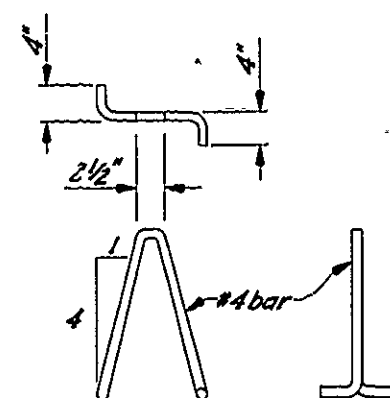
ABUTMENT DETAIL
 Scale: 3/4" = 1'-0"



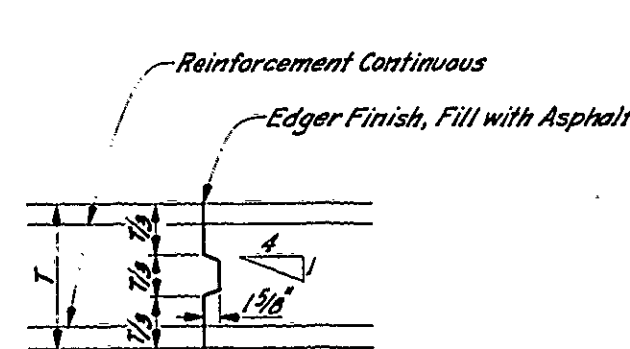
PILE ANCHOR
 Scale: 3/4" = 1'-0"



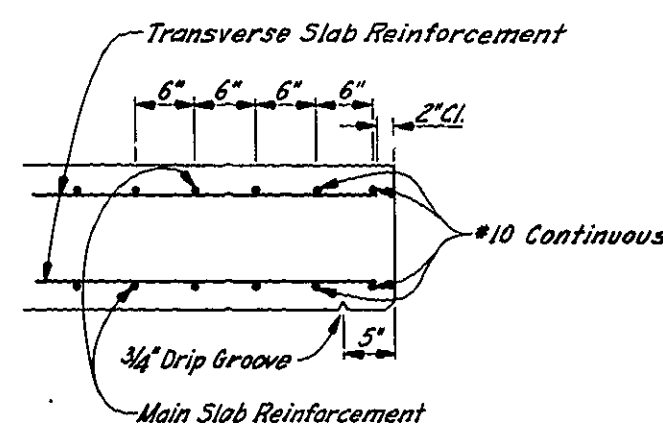
BENT CAP DETAIL
 Scale: 3/4" = 1'-0"



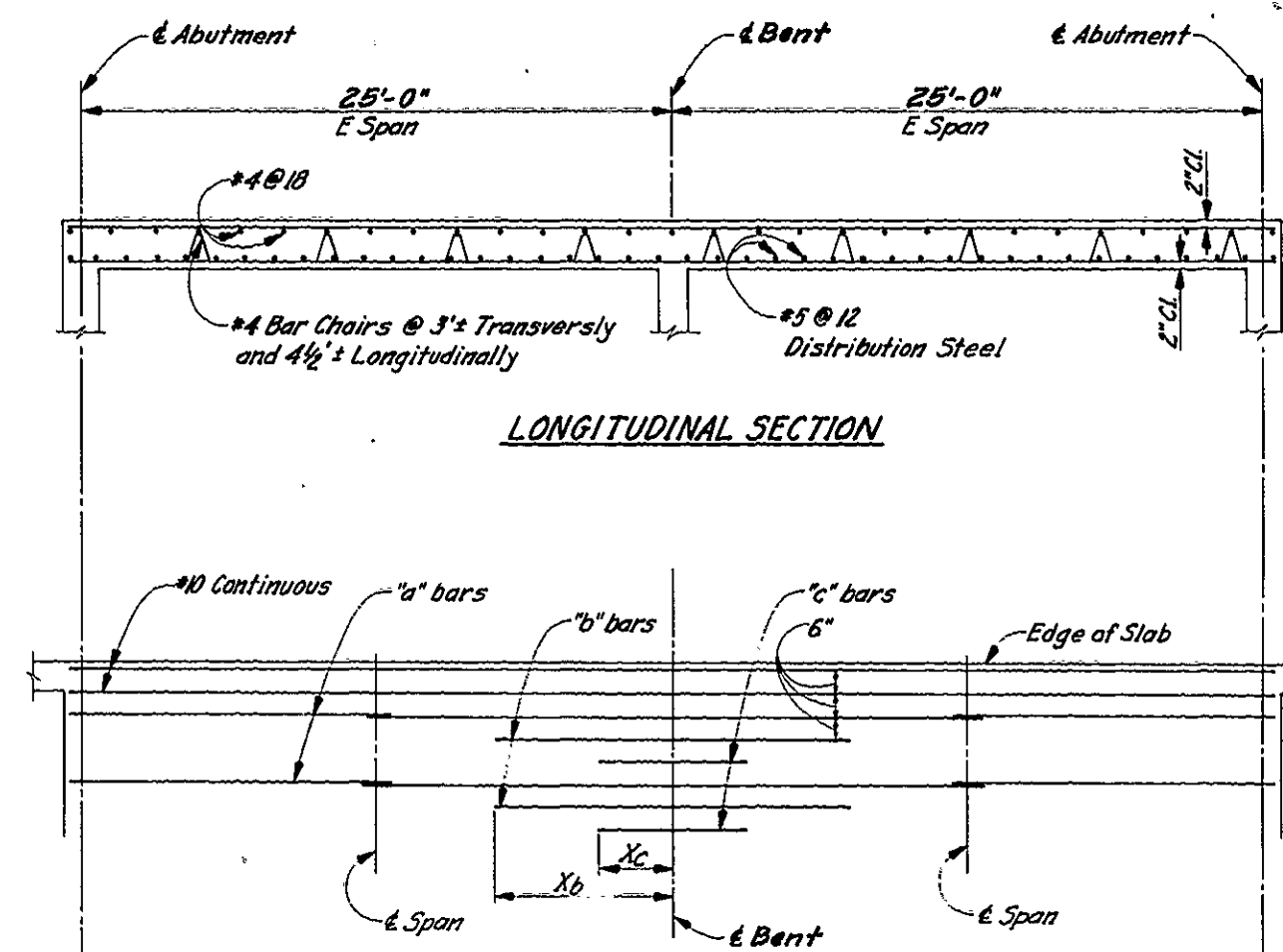
BAR CHAIR DETAIL



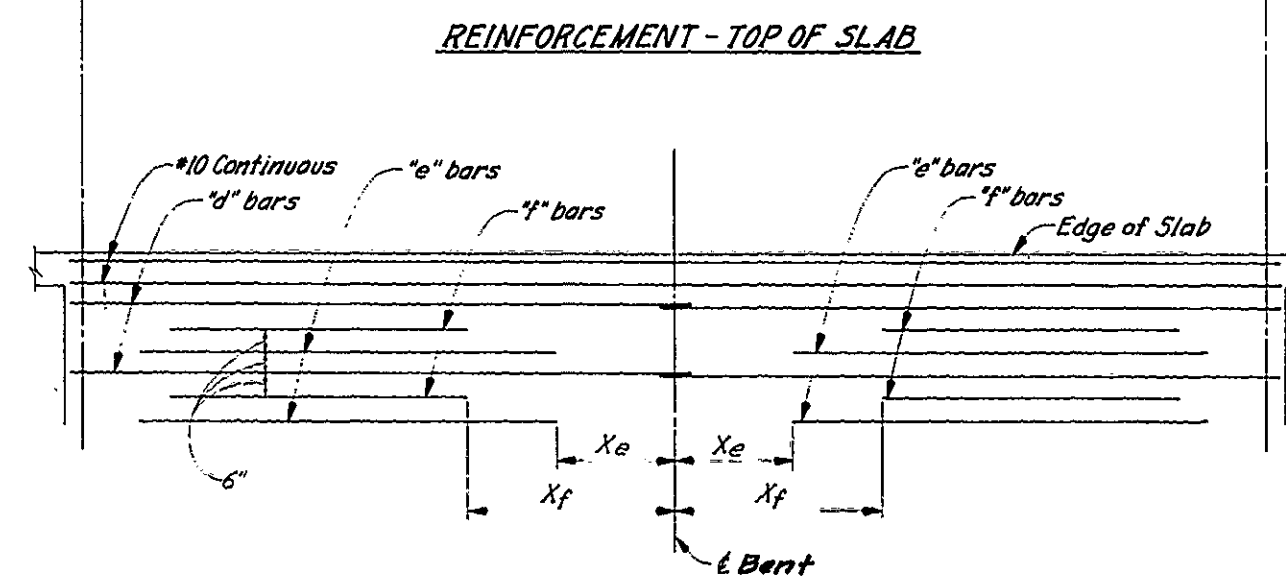
LONGITUDINAL OR TRANSVERSE
 CONSTRUCTION JOINT



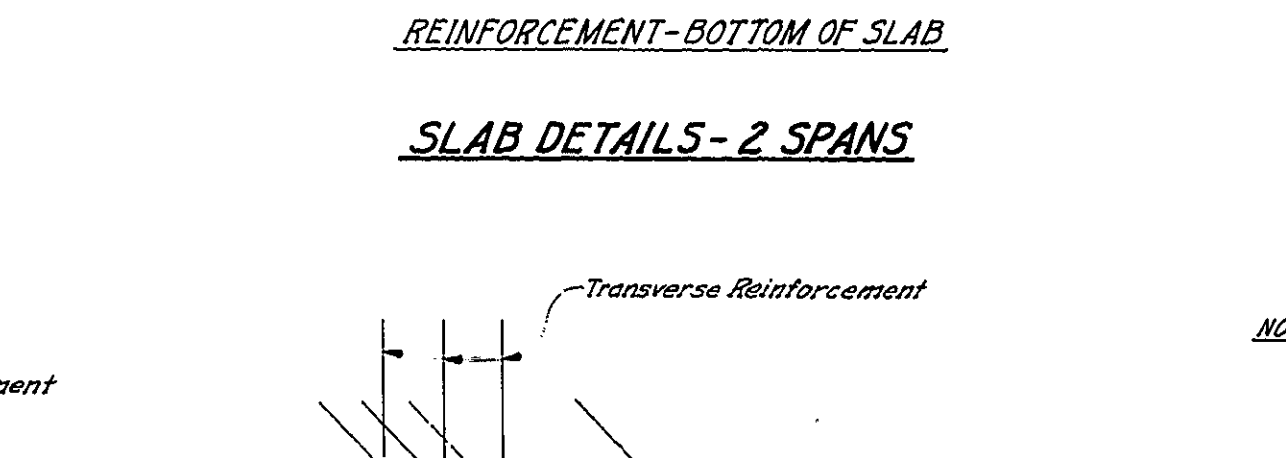
EDGE OF SLAB DETAIL



LONGITUDINAL SECTION

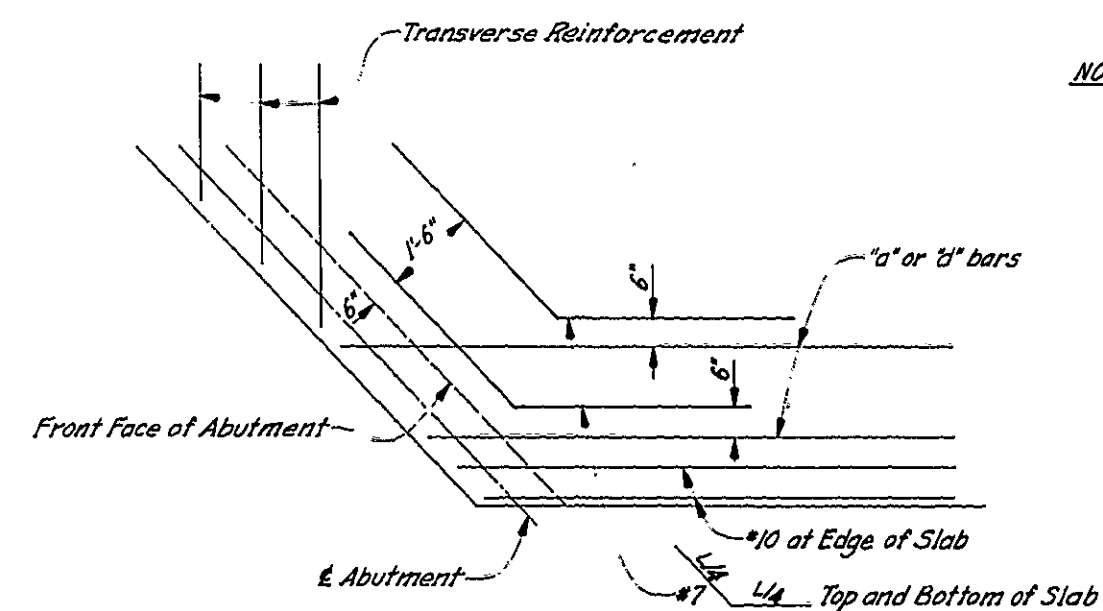


REINFORCEMENT - TOP OF SLAB



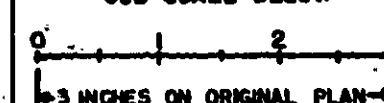
REINFORCEMENT - BOTTOM OF SLAB

SLAB DETAILS - 2 SPANS

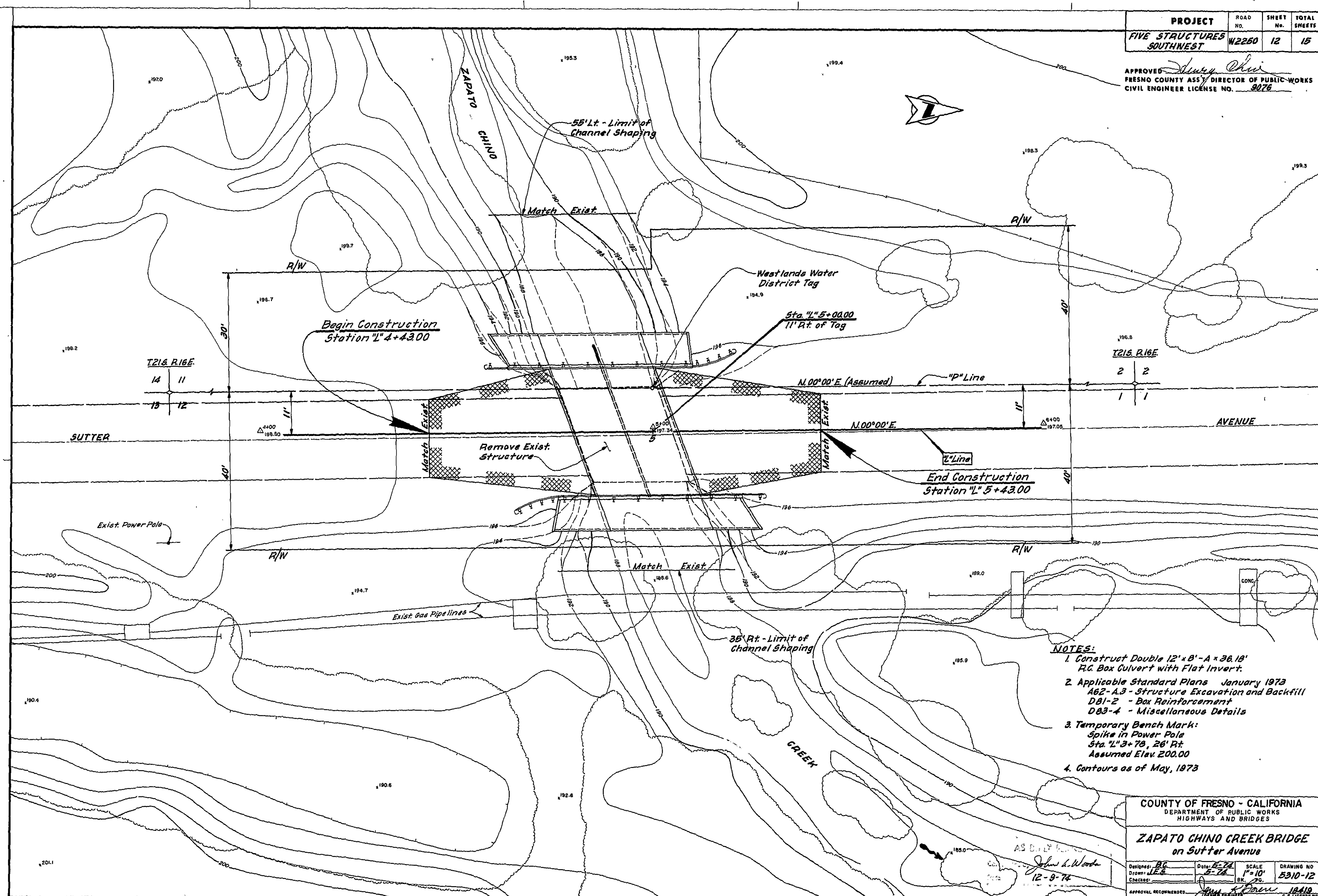


OBTUSE CORNER DETAIL
 Skew over 20°

REDUCED PLAN
 USE SCALE BELOW



18-21



PROJECT	ROAD NO.	SHEET NO.	TOTAL SHEETS
FIVE STRUCTURES SOUTHWEST	W2250	12	15

APPROVED: *[Signature]*
 FRESNO COUNTY ASSY. DIRECTOR OF PUBLIC WORKS
 CIVIL ENGINEER LICENSE NO. 9078

- NOTES:**
1. Construct Double 12' x 8' - A x 36.18' R.C. Box Culvert with Flat Invert.
 2. Applicable Standard Plans January 1973
 A62-A3 - Structure Excavation and Backfill
 DB1-2 - Box Reinforcement
 DB3-4 - Miscellaneous Details
 3. Temporary Bench Mark:
 Spike in Power Pole
 Sta. 4+78, 26' Rt.
 Assumed Elev 200.00
 4. Contours as of May, 1973

COUNTY OF FRESNO - CALIFORNIA DEPARTMENT OF PUBLIC WORKS HIGHWAYS AND BRIDGES			
ZAPATO CHINO CREEK BRIDGE on Sutter Avenue			
DESIGNED BY J.E.S.	DATE 5-74	SCALE 1"=10'	DRAWING NO. 5310-12
APPROVAL RECOMMENDED: <i>[Signature]</i> 12-9-74			

FOR R/W DATA AND ACCURATE ACCESS DETERMINATION
SEE R/W RECORDS AT PUBLIC WORKS OFFICE

PLAN SCALE: 1"=10'

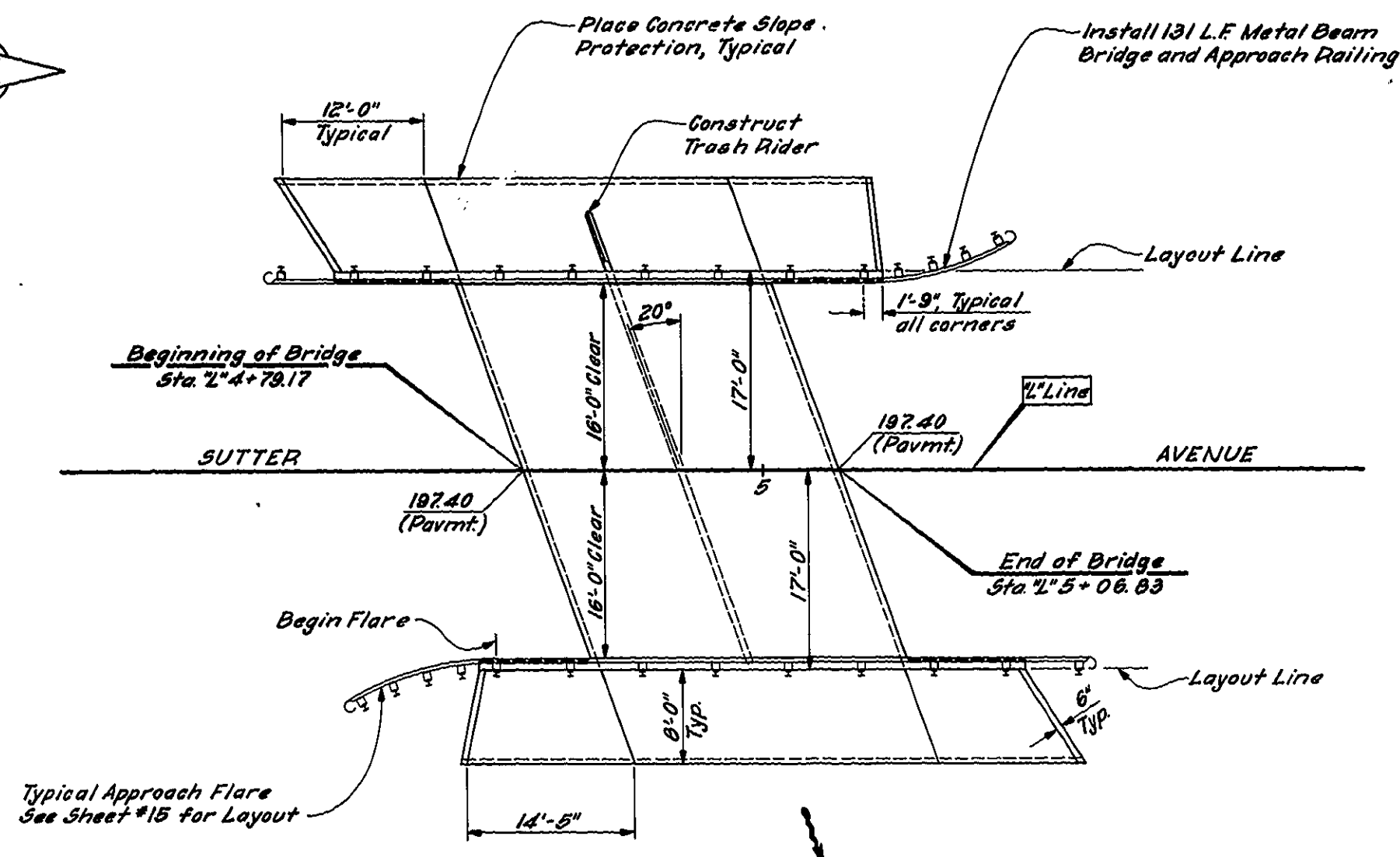
PROFILE SCALE: Horizontal 1"=10'
Vertical 1"=1'

FORMAT:

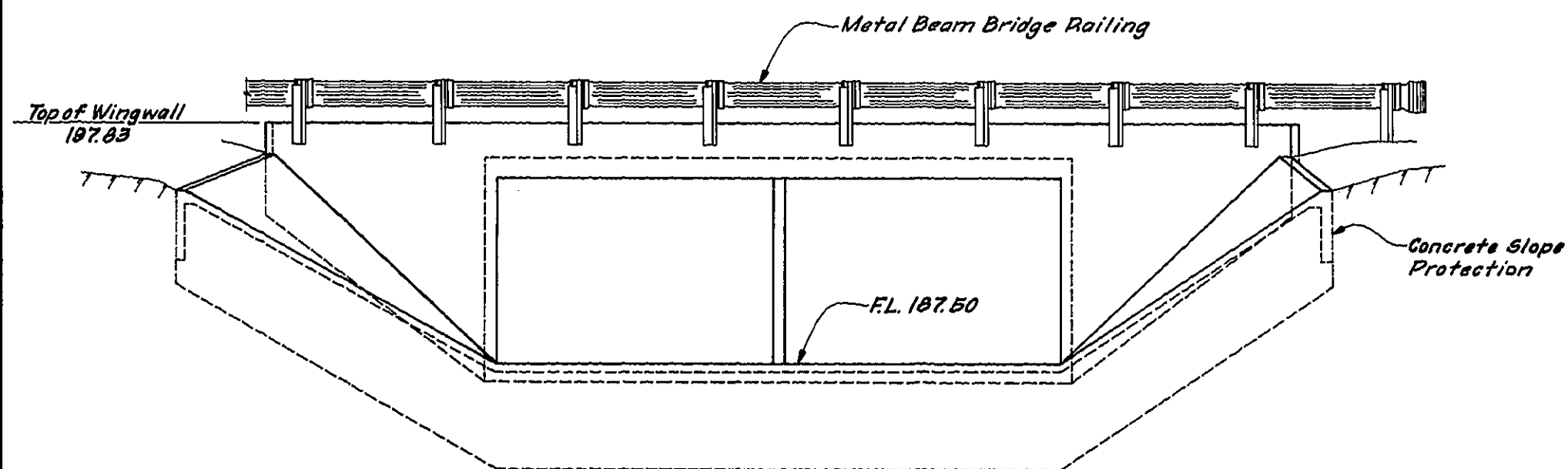
Compiled By CARTWRIGHT Aerial Surveys Inc.

18-21

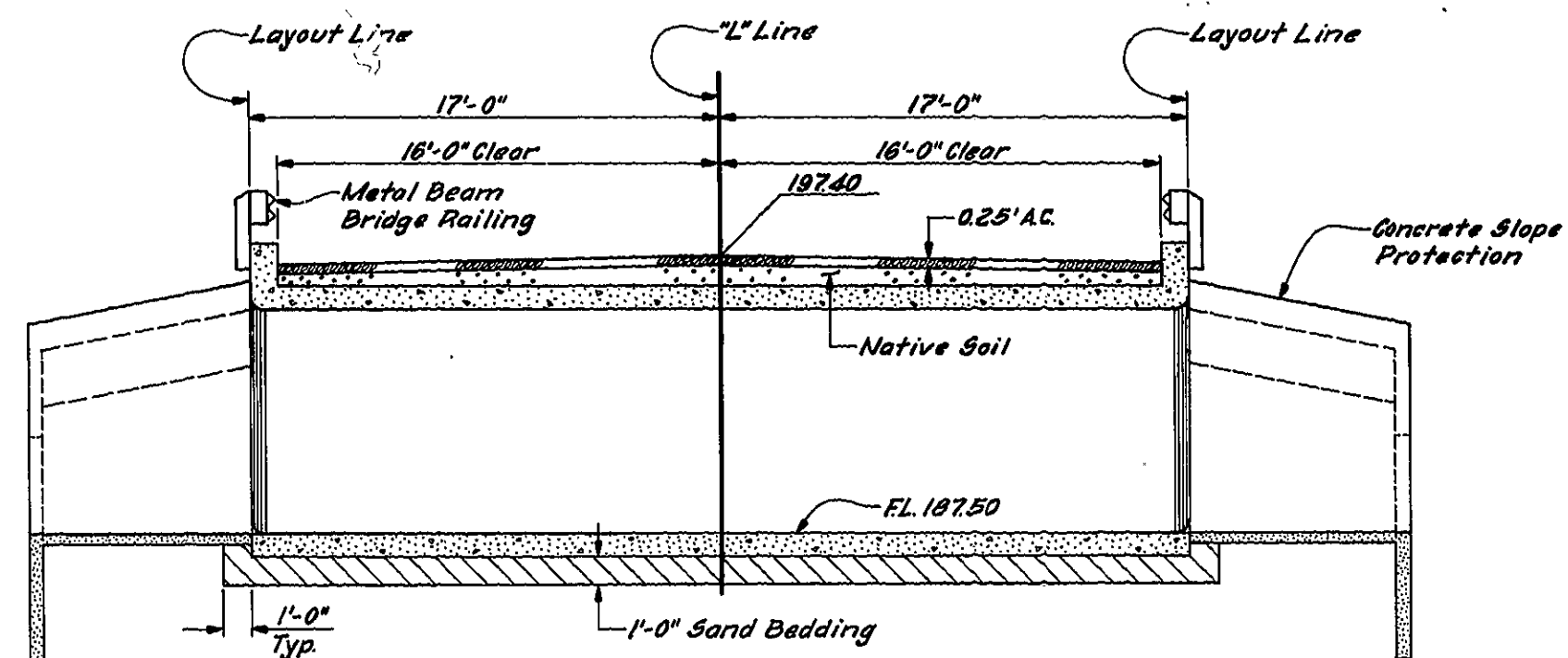
REDUCED PLAN
USE SCALE BELOW
3 INCHES ON ORIGINAL PLAN=1



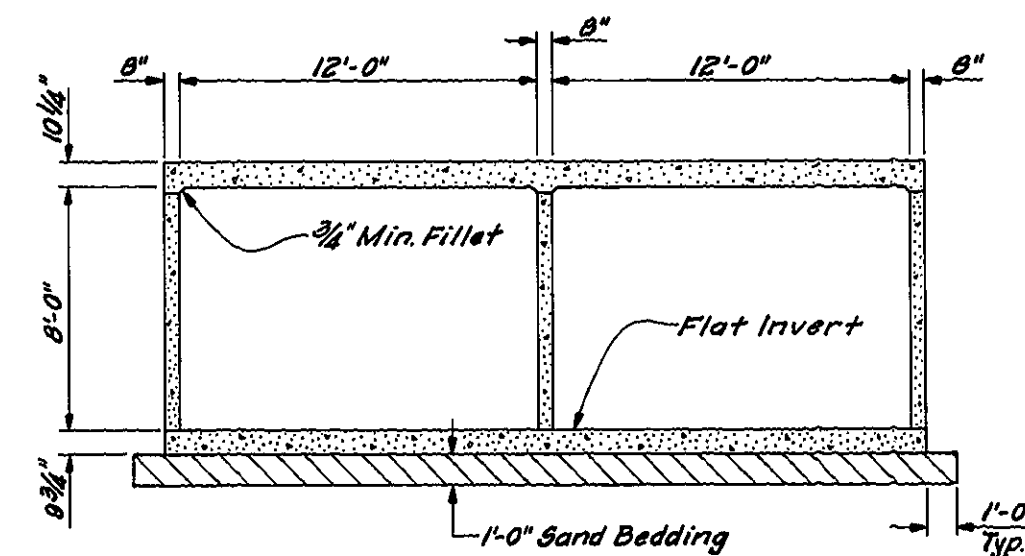
PLAN
Scale: 1/8"=1'-0"



ELEVATION
Scale: 1/4"=1'-0"



TYPICAL SECTION
NORMAL TO C/L LINE



TYPICAL SECTION
NORMAL TO BOX WALLS

- NOTES:
1. See Sheet #14 for Trash Rider, Wingwall, and Slope Protection Details.
 2. See Sheet #15 for Railing Details.

COUNTY ROAD No.	SHEET No.	TOTAL SHEETS
W2250	13	15

APPROVED: *Henry Chiu*
FRESNO COUNTY ASST. DIRECTOR OF PUBLIC WORKS
CIVIL ENGINEER LICENSE NO. 8078

AS BUILT PLANS
Corrections by *John A. Woods*
Date 12-9-74

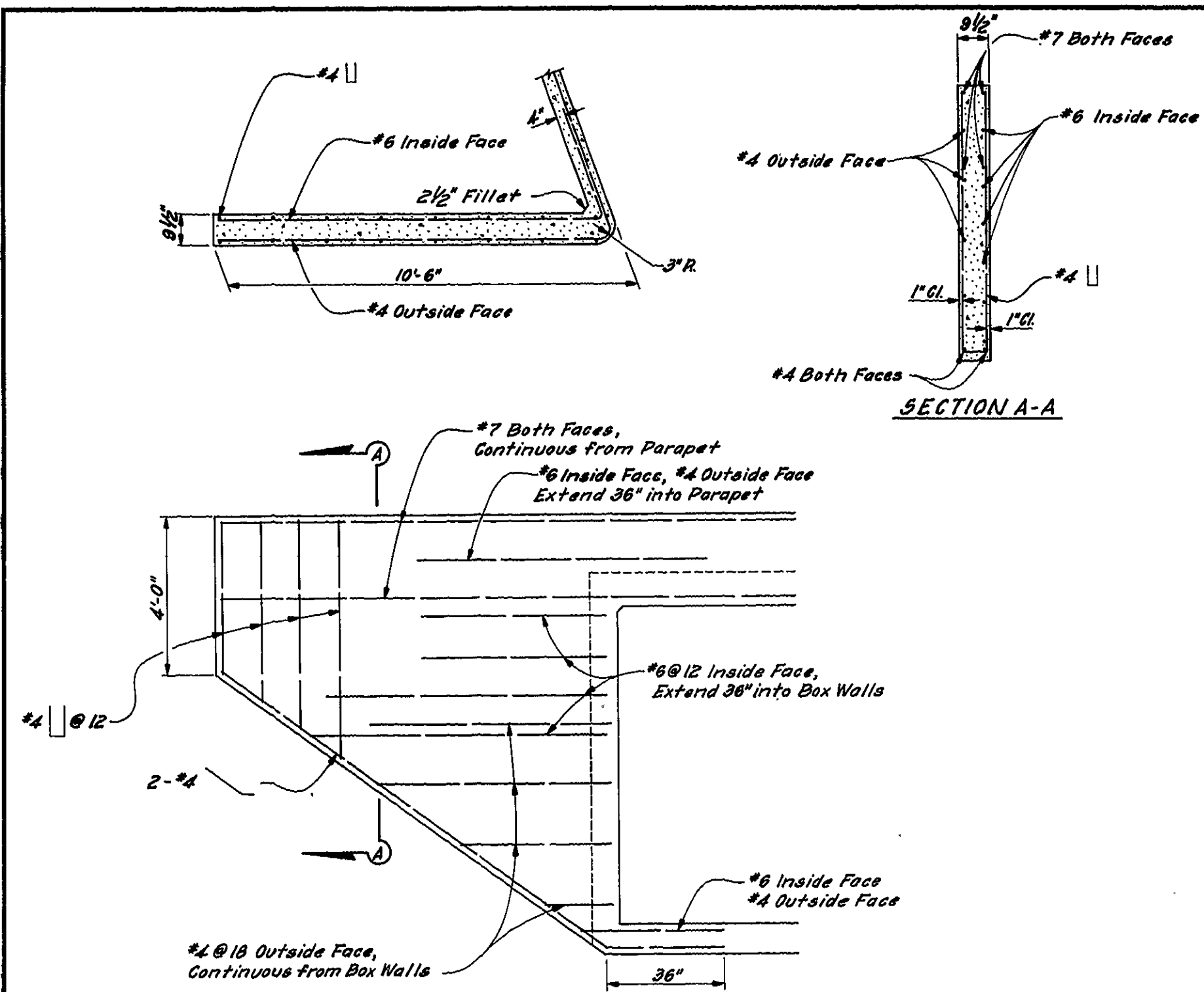
COUNTY OF FRESNO - CALIFORNIA DEPARTMENT OF PUBLIC WORKS HIGHWAYS AND BRIDGES			
ZAPATO CHINO CREEK BRIDGE on Sutter Ave.			
CONSTRUCTION DETAILS			
DESIGNED: <i>AC</i>	DATE: <i>5-74</i>	SCALE: <i>As Shown</i>	DRAWING NO. <i>5310-13</i>
DRAWN: <i>ALB</i>			
CHECKED: <i>John A. Woods</i>			
APPROVAL RECOMMENDED: <i>John A. Woods</i>			
REVISION			

18-21

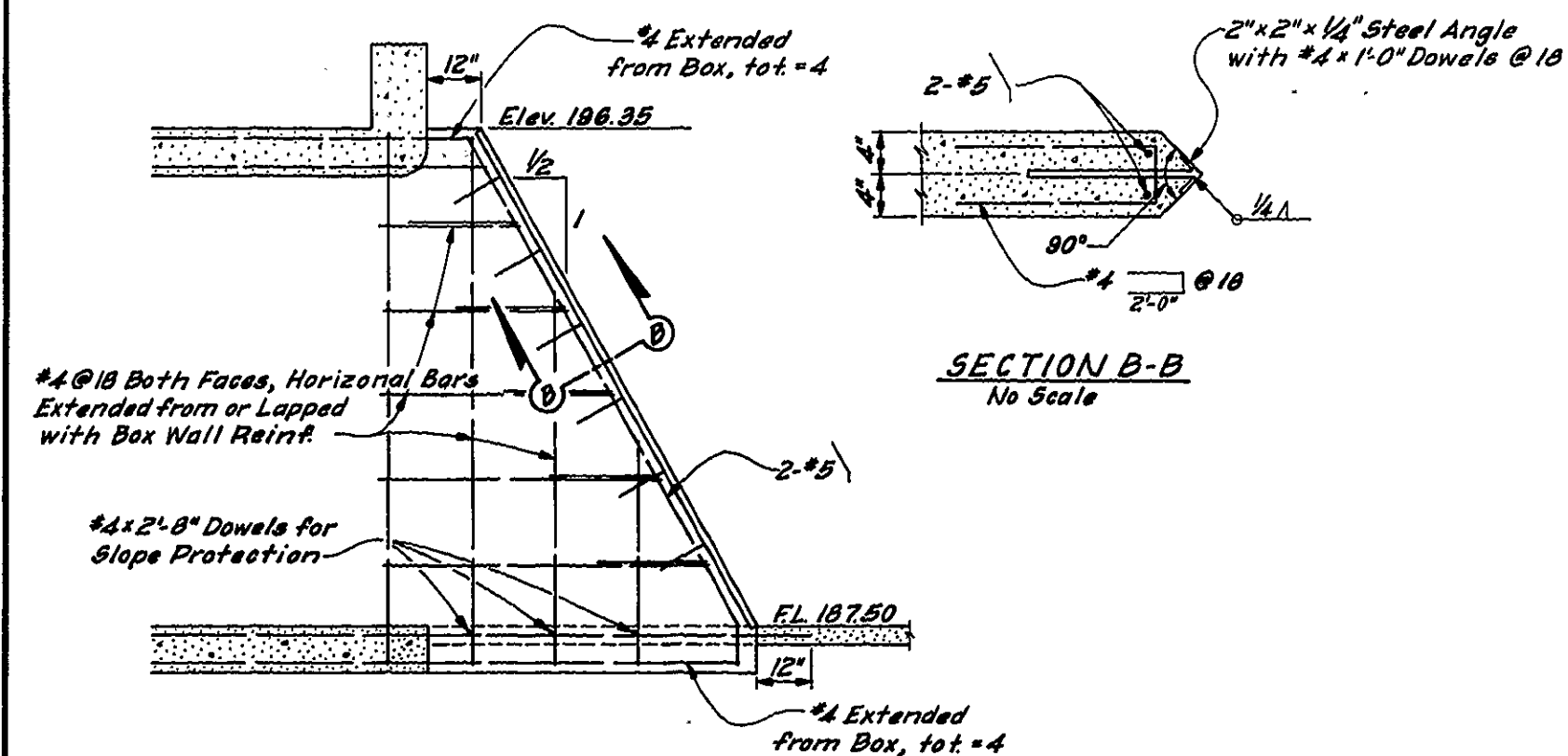
REDUCED PLAN
USE SCALE BELOW
0 1 2 3
3 INCHES ON ORIGINAL PLAN

COUNTY ROAD NO.	SHEET NO.	TOTAL SHEETS
W2250	14	15

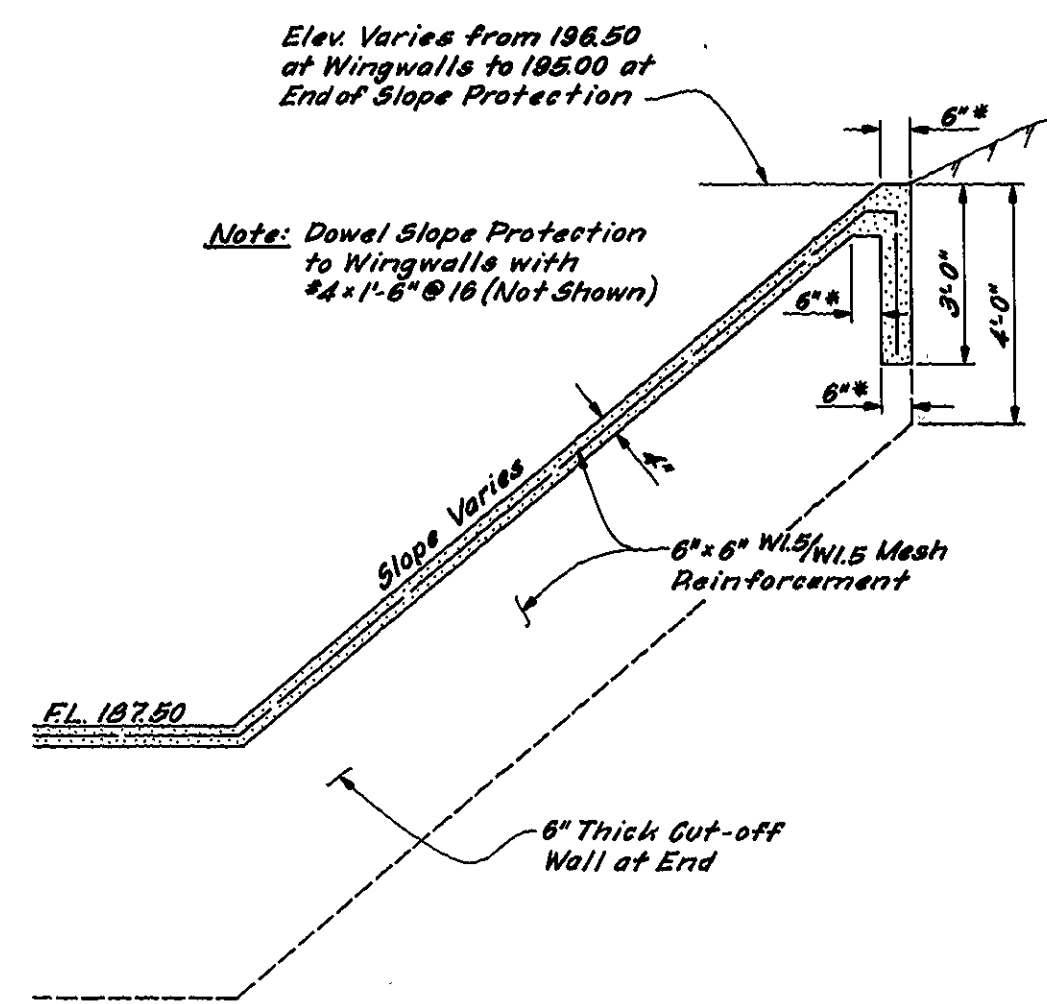
APPROVED: *Henry Chin*
FRESNO COUNTY ASST. DIRECTOR OF PUBLIC WORKS
CIVIL ENGINEER LICENSE NO. 3076



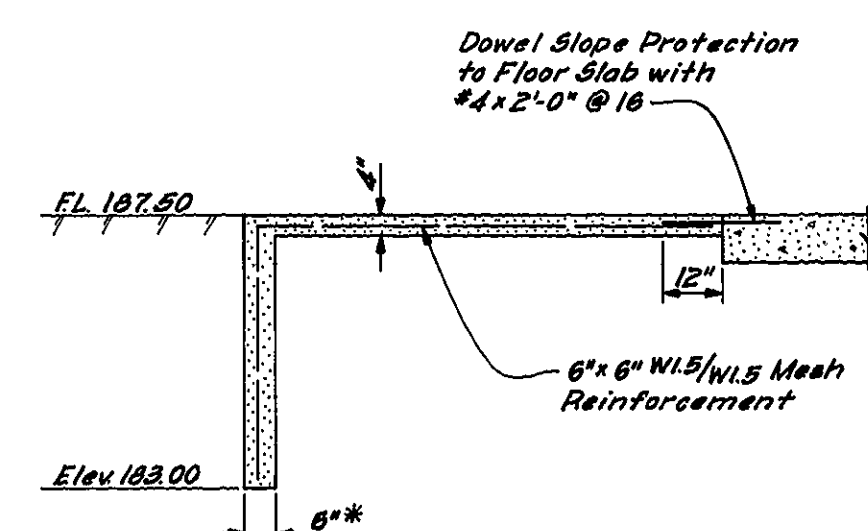
WINGWALL DETAILS
Scale: 1/2" = 1'-0"



TRASH RIDER DETAIL
Scale: 1/2" = 1'-0"



*Dimensions are Measured Normal Cut-off Wall



CONCRETE SLOPE PROTECTION

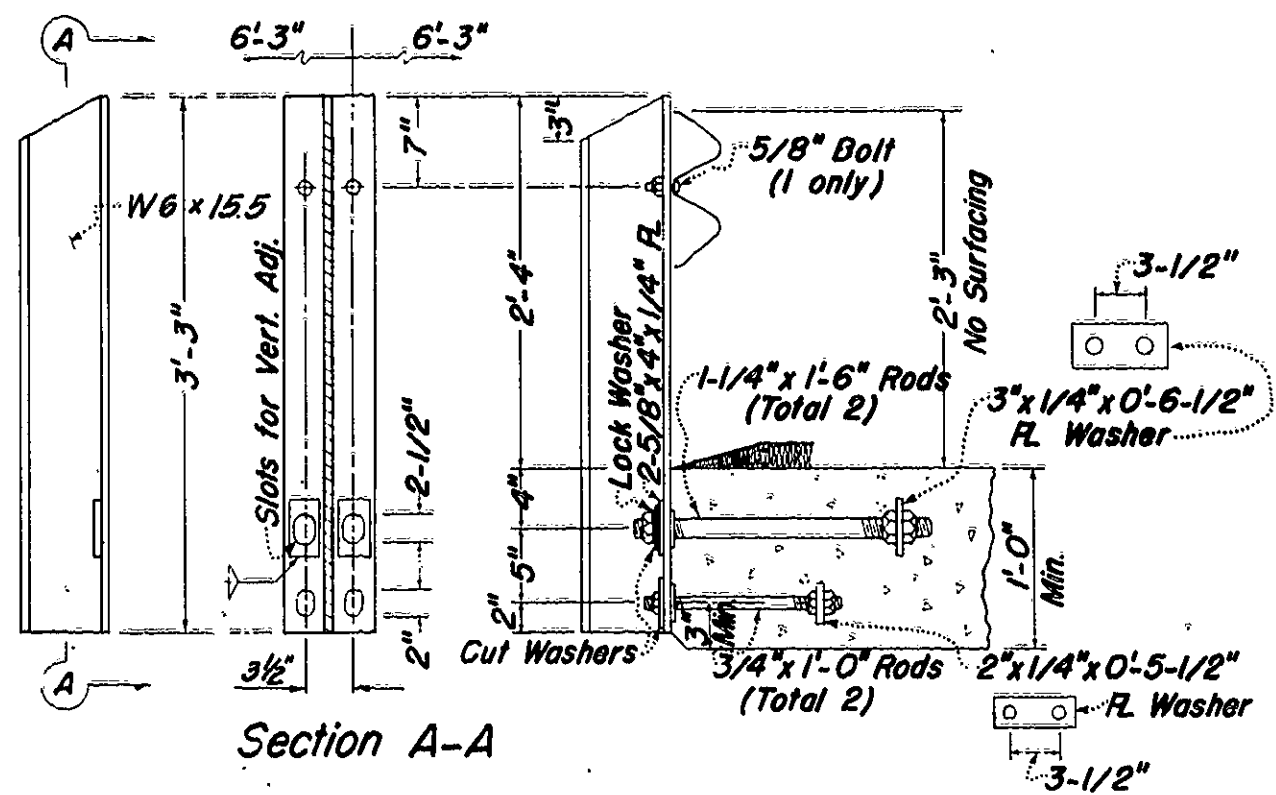
No Scale
* Thickness Varies, Not Less Than 6"

COUNTY OF FRESNO - CALIFORNIA DEPARTMENT OF PUBLIC WORKS HIGHWAYS AND BRIDGES			
ZAPATO CHINO CREEK BRIDGE on Sutter Ave.			
CONSTRUCTION DETAILS			
DESIGNED: <i>B.S.</i>	DATE: <i>5-74</i>	SCALE: <i>As Shown</i>	DRAWING NO. <i>5310-14</i>
CHECKED: <i>B.S.</i>	DATE: <i>5-74</i>	SCALE: <i>As Shown</i>	DRAWING NO. <i>5310-14</i>
APPROVAL RECOMMENDED: <i>Henry Chin</i>	DATE: <i>10-10</i>	SCALE: <i>As Shown</i>	DRAWING NO. <i>5310-14</i>
REVISION			

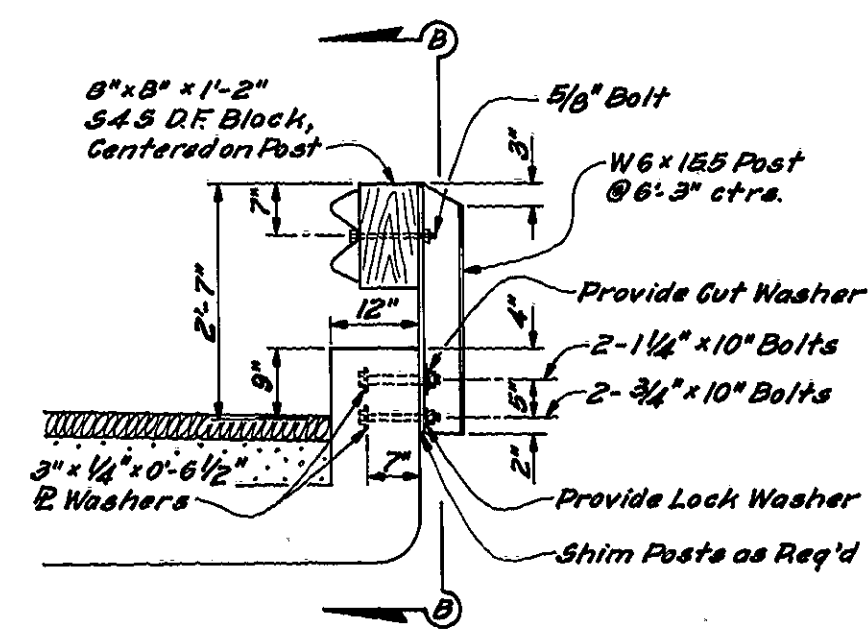
AS BUILT PLANS
Scale: *As Shown*
12-8-74

COUNTY ROAD NO.	SHEET NO.	TOTAL SHEETS
413700 W2260	15	15

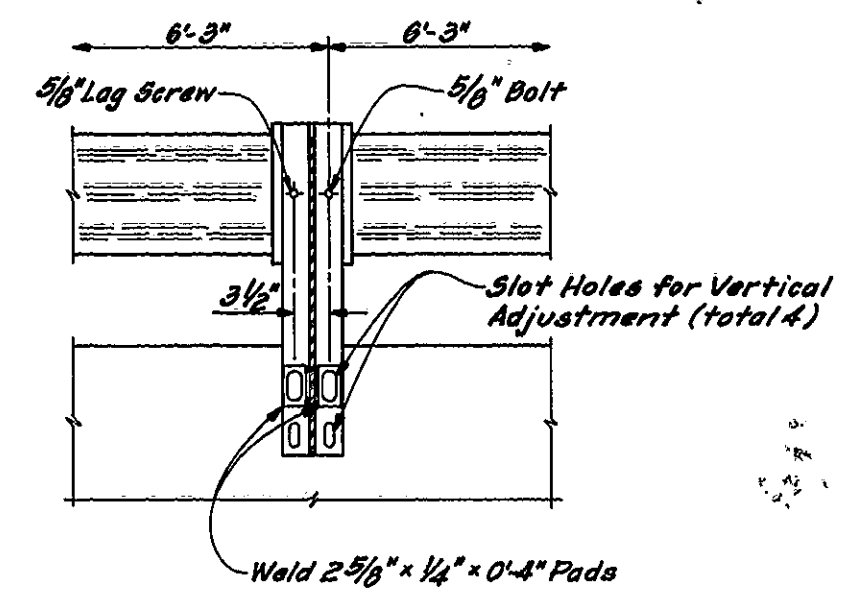
APPROVED: *John A. Clark*
FRESNO COUNTY ASST. DIRECTOR OF PUBLIC WORKS
CIVIL ENGINEER LICENSE NO. 9076



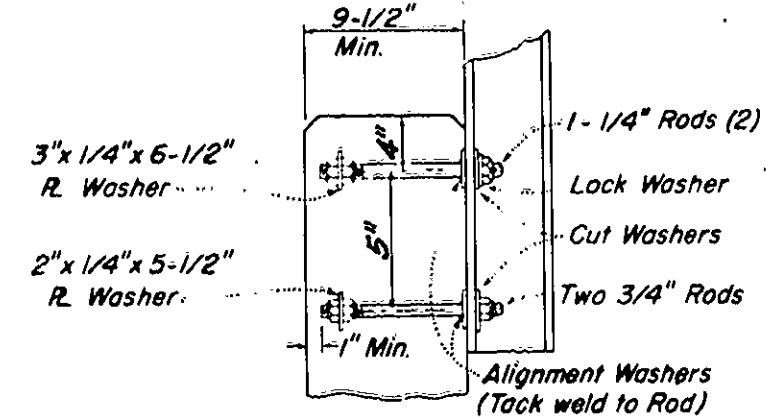
Section A-A
RAIL POST FOR THIN SLABS
No Scale



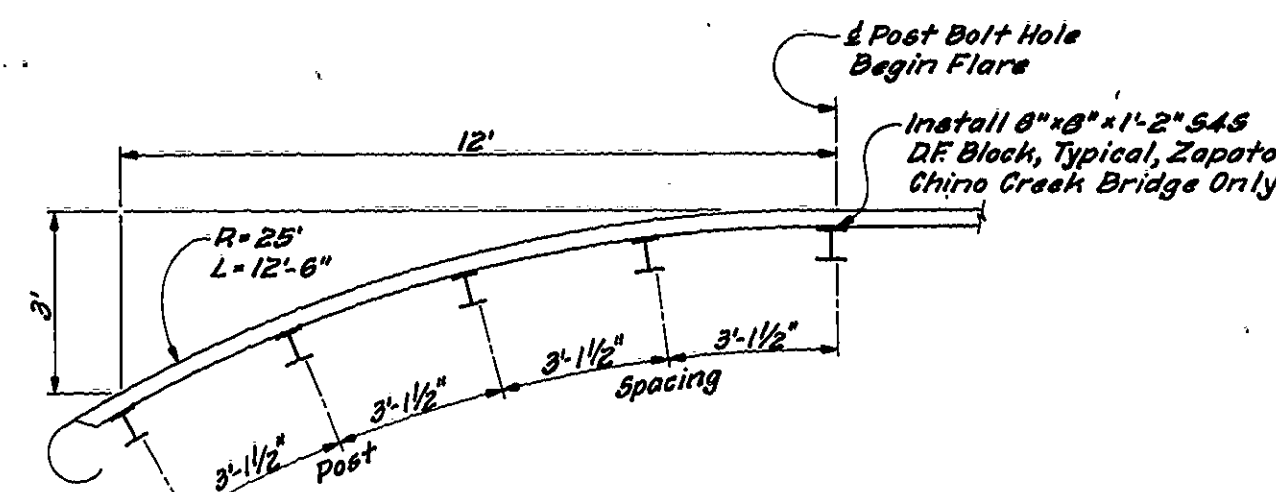
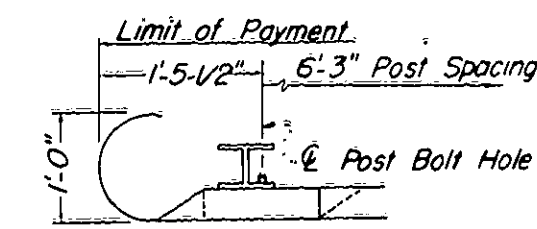
RAIL POST ON PARAPET
Scale: 3/4" = 1'-0"



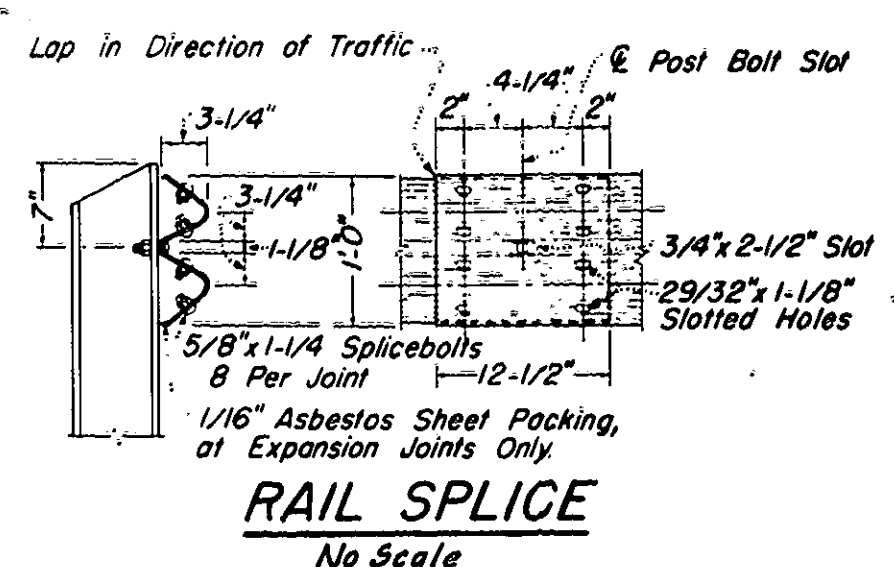
SECTION B-B
Scale: 1" = 1'-0"



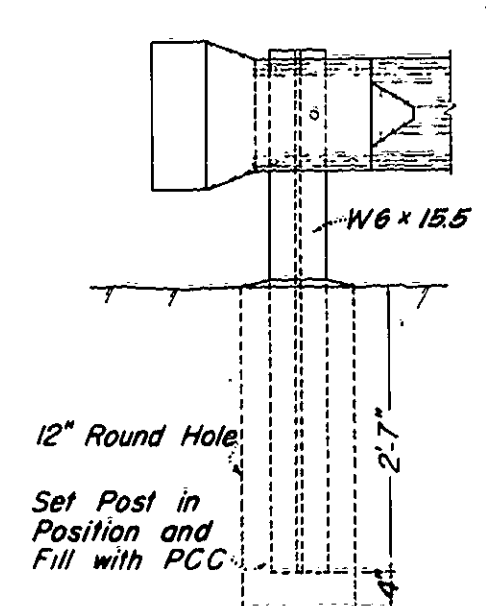
RAIL POST ON WALL
No Scale



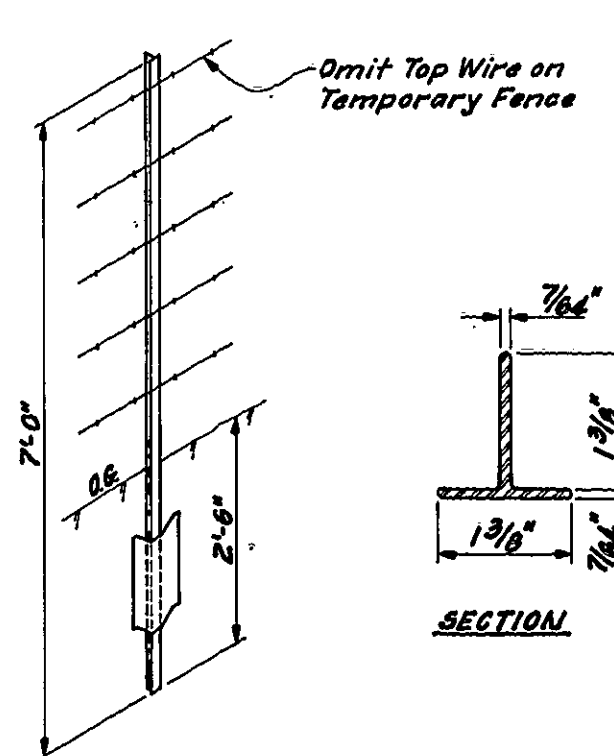
TYPICAL APPROACH FLARE LAYOUT
No Scale



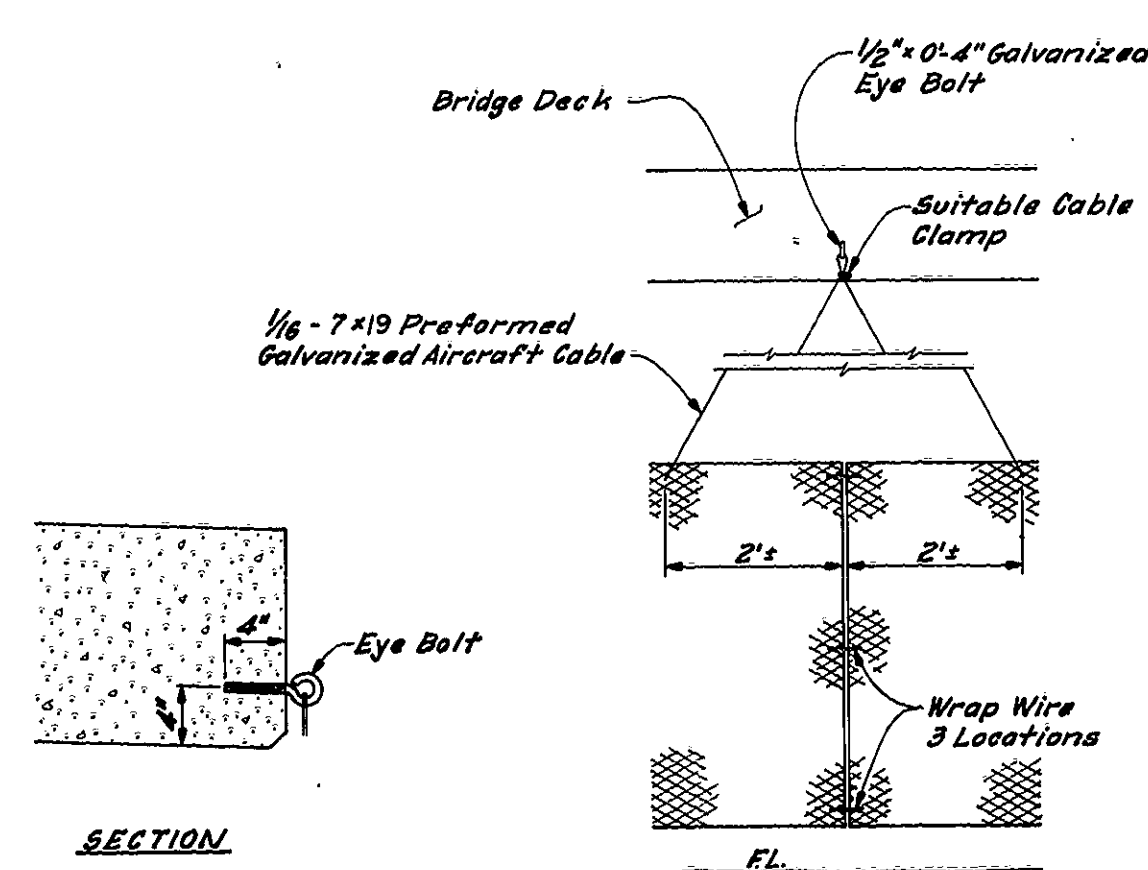
RAIL SPLICE
No Scale



POST ON SHOULDER
No Scale



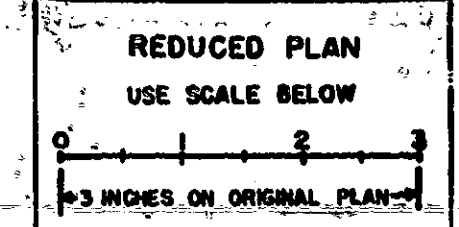
METAL FENCE POST TYPE BW FENCE
No Scale



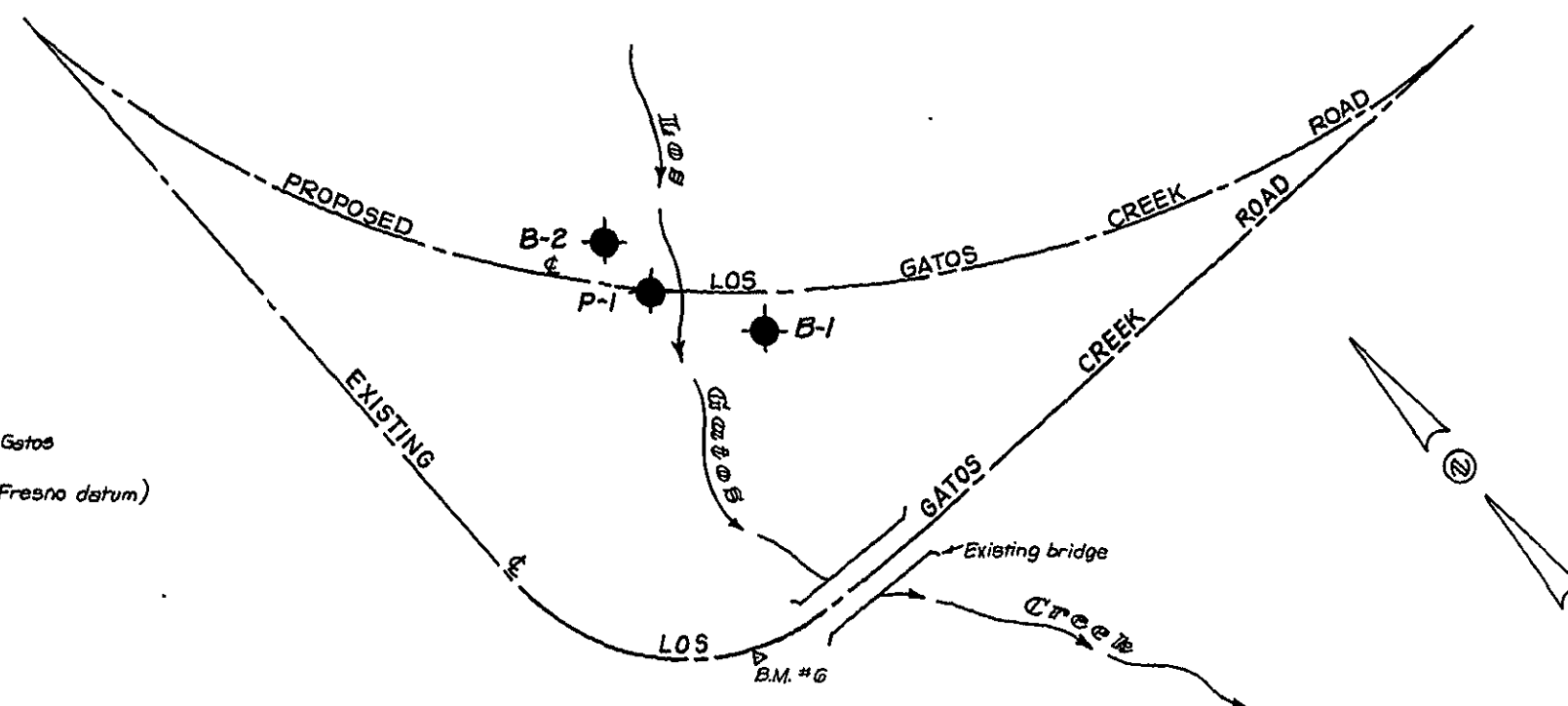
EXPANDED METAL FENCE DETAILS
No Scale

COUNTY OF FRESNO - CALIFORNIA DEPARTMENT OF PUBLIC WORKS HIGHWAYS AND BRIDGES			
5 STRUCTURES SOUTHWEST RAILING AND FENCE DETAILS			
DESIGNED: <i>John A. Clark</i>	DATE: 5-74	SCALE: As Shown	DRAWING NO. 5310-15
CHECKED: <i>John A. Clark</i>	DATE: 5-74	SCALE: As Shown	DRAWING NO. 5310-15
APPROVAL RECOMMENDED: <i>John A. Clark</i>	DATE: 5-74	SCALE: As Shown	DRAWING NO. 5310-15
REVISION			

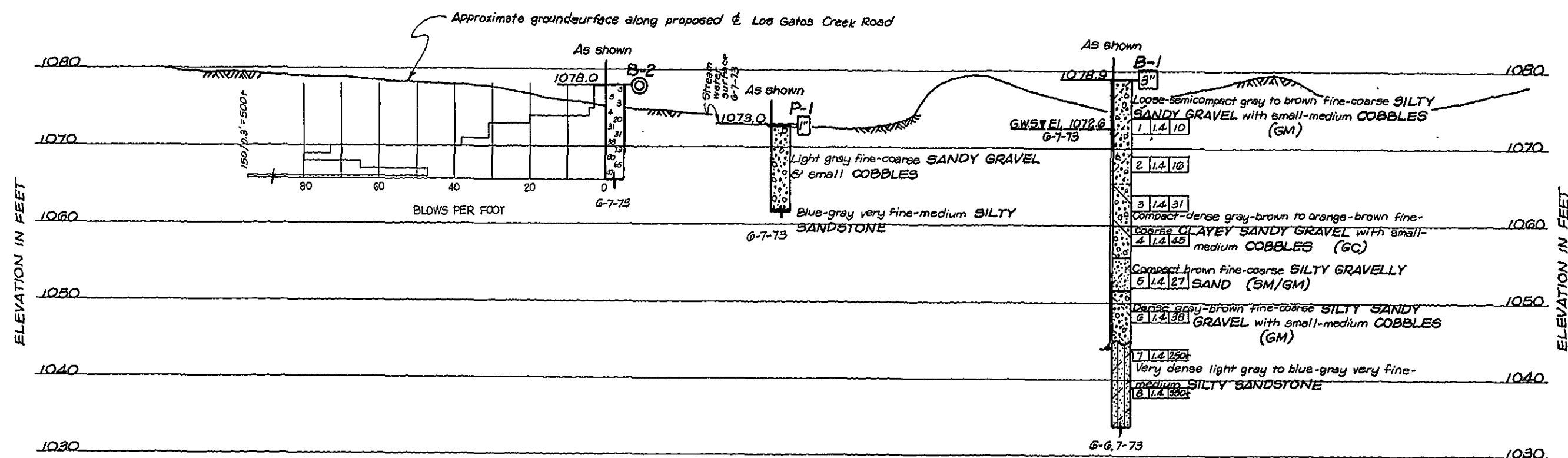
18-21



-NOTE-
B.M. #6 Point on pavement, existing Los Gatos
Creek Road, location as shown.
Elevation 1080.34 (County of Fresno datum)



PLAN
Scale: 1"=50'



PROFILE
Scale:
Horizontal 1"=10'
Vertical 1"=10'

LEGEND OF EARTH MATERIALS											
UNIFIED SOIL CLASSIFICATION											
Pt	OH	CH	MH	OL	CL	ML	SC	SM	SP	SW	GC
Highly organic soils	Silts and clays	Silts and clays	Silts and clays	Silts and clays	Silts and clays	Silts and clays	Sands with fines	Clean sands	Gravels with fines	Clean gravels	Gravels
(More than 50% is smaller than No. 200 sieve)	(More than 50% is smaller than No. 200 sieve)	(More than 50% is smaller than No. 200 sieve)	(More than 50% is smaller than No. 200 sieve)	(More than 50% is smaller than No. 200 sieve)	(More than 50% is smaller than No. 200 sieve)	(More than 50% is smaller than No. 200 sieve)	(More than 50% is smaller than No. 200 sieve)	(More than 50% is smaller than No. 200 sieve)	(More than 50% is smaller than No. 200 sieve)	(More than 50% is smaller than No. 200 sieve)	(More than 50% is smaller than No. 200 sieve)
LABORATORY CLASSIFICATION CRITERIA											
Classification of earth materials shown on this sheet is based on field inspection and should not be construed to imply laboratory analysis unless so stated.											

LEGEND OF BORING OPERATIONS											
PENETRATION TEST											
Plan of any boring	Rotary boring	Diamond core boring	Auger boring	Sample boring	Jet boring	Test pit	2 1/4" Cone penetrometer	2 1/2" Cone penetrometer	Moisture (% dry wt.)	Dry density (lbs./cu.ft.)	Unconfined compressive strength (tons/sq.ft.)
Designates other soils tests											
C-Consolidation											
S-Direct shear											
E-Expansion											
T-Triaxial compression											

MOORE & TABER NORTHERN CALIFORNIA
CONSULTING ENGINEERS AND GEOLOGISTS

APPROVED H.R. Taber 12 Sep 73
REGISTERED CIVIL ENGINEER No. 9165

JOB No. 973/22F-4

COUNTY OF FRESNO

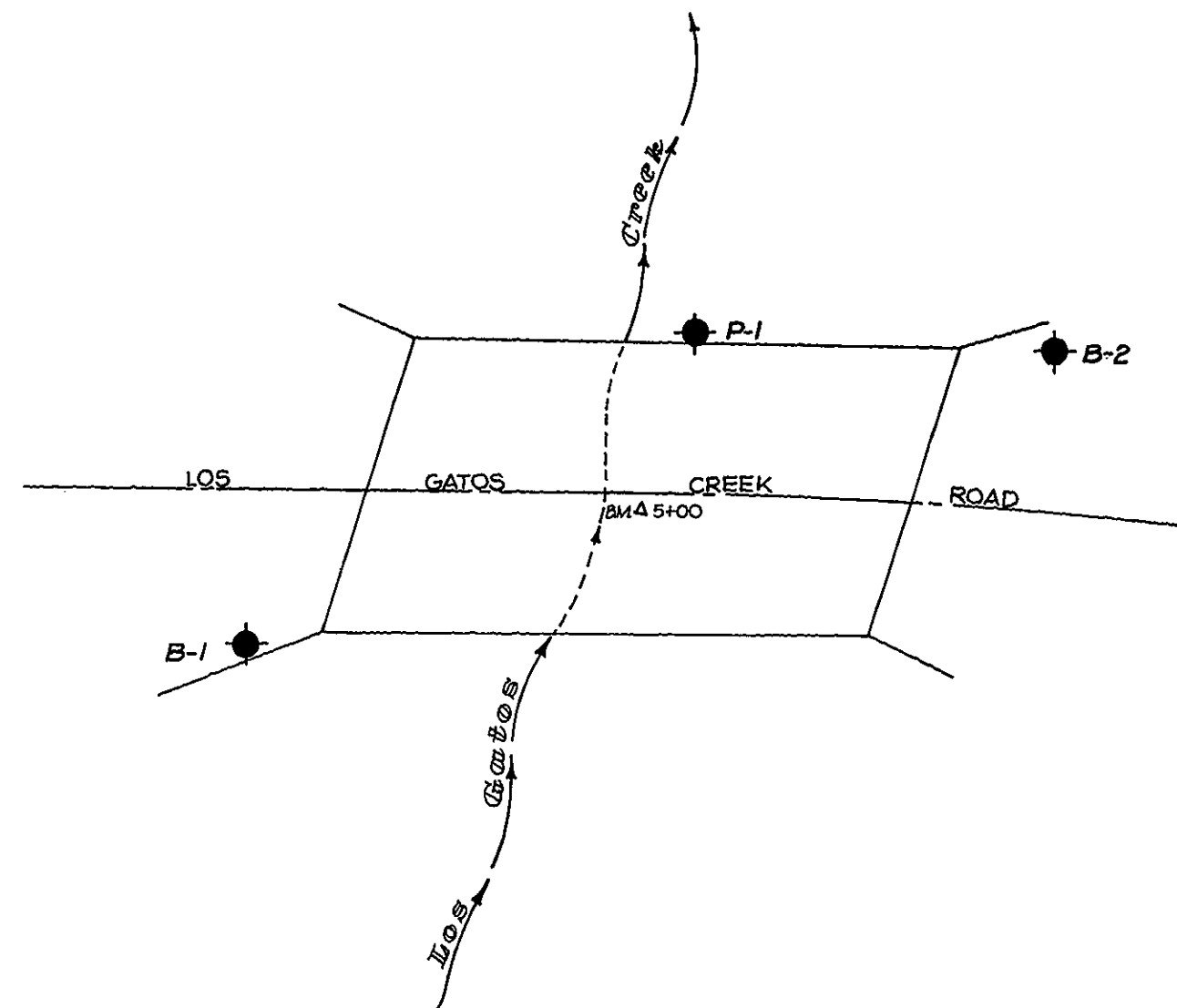
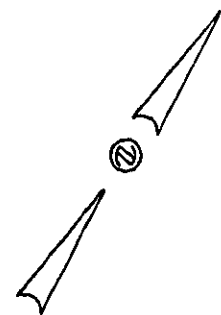
LOS GATOS CREEK ROAD
-BRIDGE 5.5 miles west
of Derrick Avenue

LOG OF TEST BORINGS

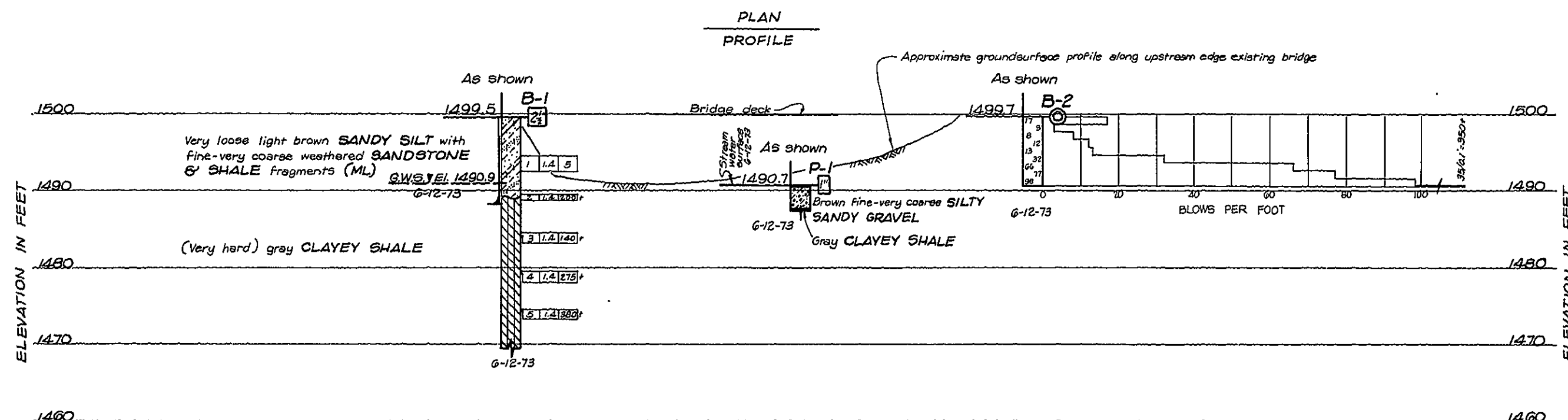
Scale As shown Date June 1973 By RFE Check by Drawing

18-21

REDUCED PLAN
USE SCALE BELOW
0 1 2 3
3 INCHES ON ORIGINAL PLAN



-NOTE-
B.M. Photogrammetric control point,
nail & shiner, Sta. 5+00.
Elevation 1499.66.
(County of Fresno datum)



LEGEND OF EARTH MATERIALS															
UNIFIED SOIL CLASSIFICATION								MATERIAL SYMBOLS							
PI	OH	CH	MH	OL	CL	ML	SC	SM	SP	SW	GC	GM	GP	GW	
Highly organic soils	Silts and clays	Silts and clays	Silts and clays	Silts and clays	Silts and clays	Silts and clays	Sands with fines	Sands with fines	Sands with fines	Sands with fines	Gravels with fines	Gravels with fines	Gravels with fines	Gravels with fines	
	Liquid limit greater than 50	Liquid limit greater than 50	Liquid limit greater than 50	Liquid limit greater than 50	Liquid limit greater than 50	Liquid limit greater than 50	Sands with fines	Sands with fines	Sands with fines	Sands with fines	Gravels with fines	Gravels with fines	Gravels with fines	Gravels with fines	
							(More than 50% is smaller than No. 200 sieve)	(More than 50% is smaller than No. 200 sieve)	(More than 50% is smaller than No. 200 sieve)	(More than 50% is smaller than No. 200 sieve)	(More than 50% is smaller than No. 200 sieve)	(More than 50% is smaller than No. 200 sieve)	(More than 50% is smaller than No. 200 sieve)	(More than 50% is smaller than No. 200 sieve)	
LABORATORY CLASSIFICATION CRITERIA															
Classification of earth materials shown on this sheet is based on field inspection and should not be construed to imply laboratory analysis unless so stated.															

LEGEND OF BORING OPERATIONS											
ROTARY BORING						PENETRATION TEST					
Plan of any boring	Rotary boring	Diamond core boring	Auger boring	Sample boring	Jet boring	Moisture (% dry wt.)	Dry density (lb./cu.ft.)	Unconfined compressive strength (tons/sq.ft.)	Designates other soils tests	S - Direct shear	E - Expansion
Test pit	2 1/4" Cone penetrometer	2 1/2" Cone penetrometer				Top hole elev.	Casing Set	Sample number	Size of sample (inches)	Blows per foot	Blows per foot

MOORE & TABER NORTHERN CALIFORNIA
CONSULTING ENGINEERS AND GEOLOGISTS

APPROVED *H. R. Taber* 7-6-73
REGISTERED CIVIL ENGINEER No. 9145

JOB No. 373/22F-7

COUNTY OF FRESNO

LOS GATOS CREEK ROAD
- BRIDGE 11.95 miles west
of Derrick Avenue

LOG OF TEST BORINGS

Scale 1"=10' Date June 1973 By RFE Check by Drawing

