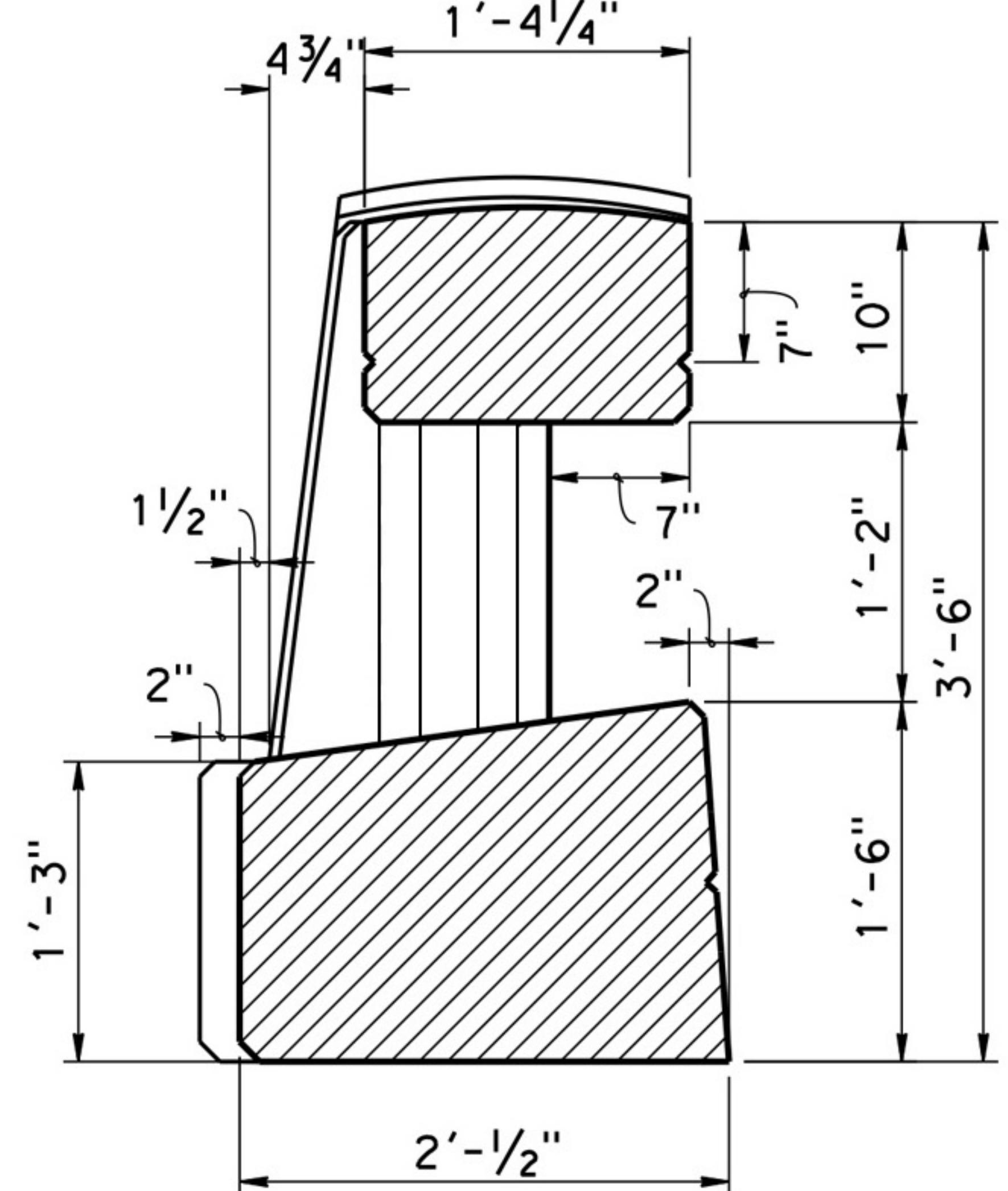
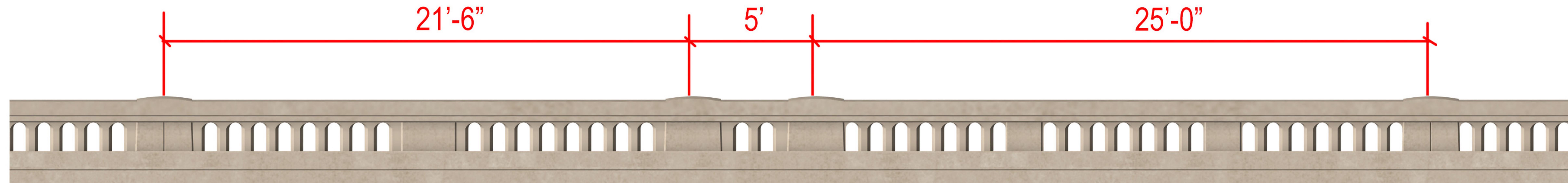


Attachment C

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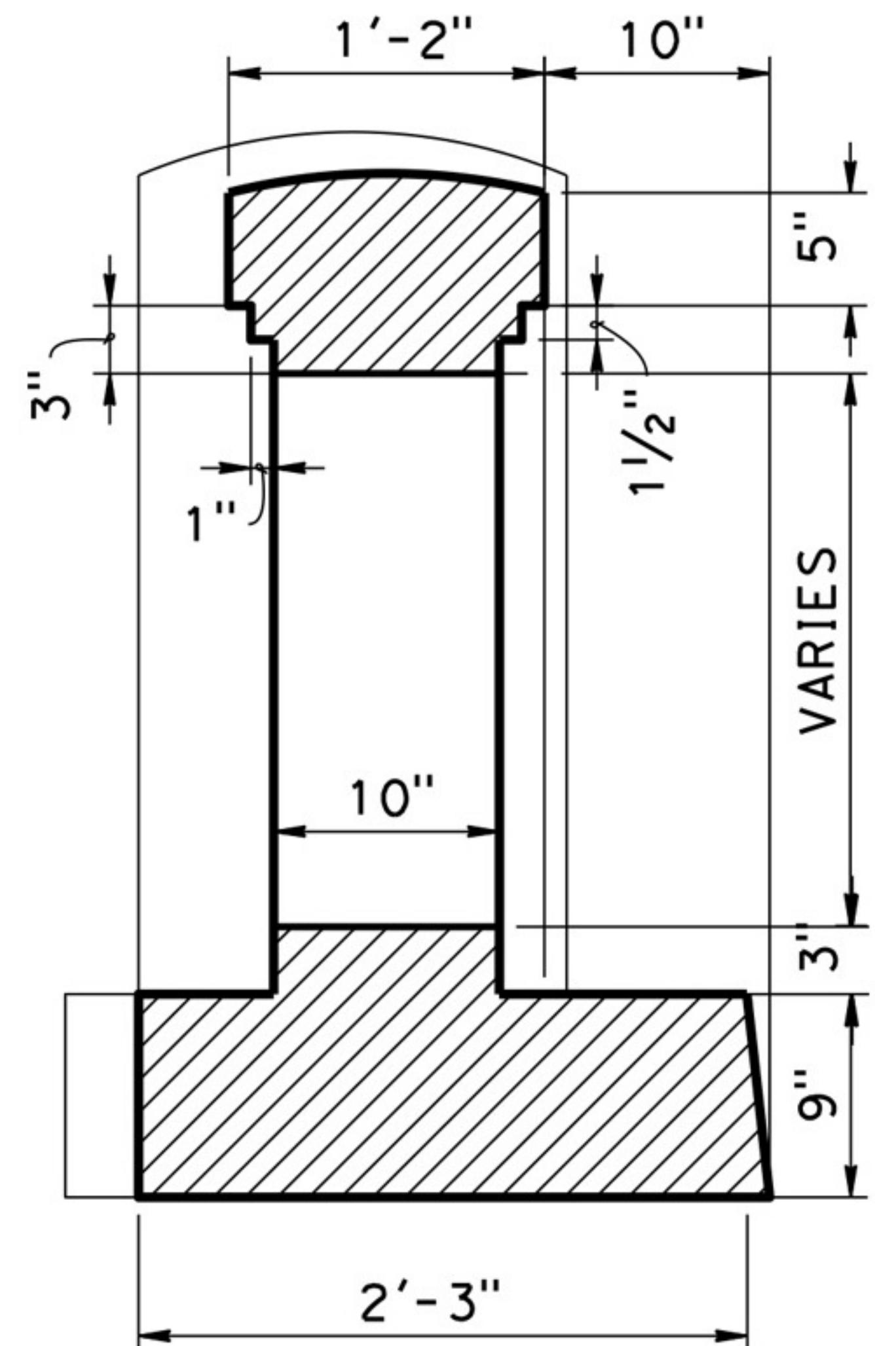
TYPE 86H SECTION



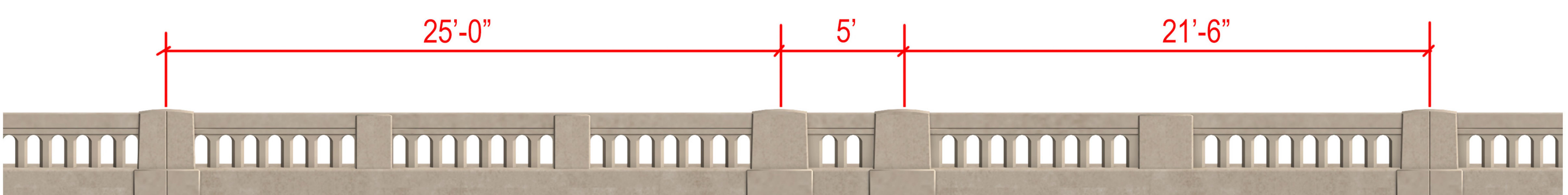
86H WITH TOP BEAM GROOVE LINE FRONT ELEVATION



EXISTING FRONT ELEVATION



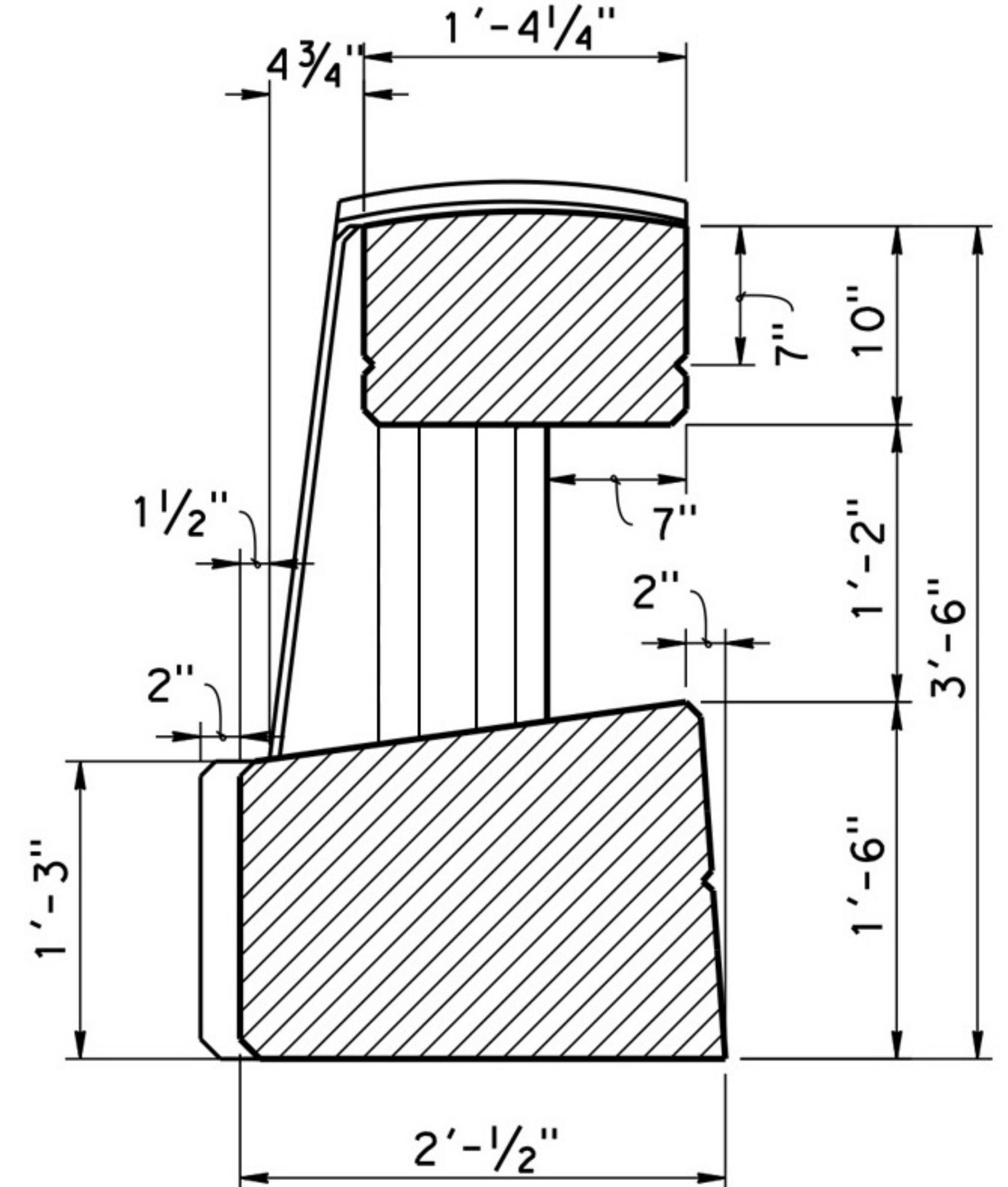
EXISTING SECTION



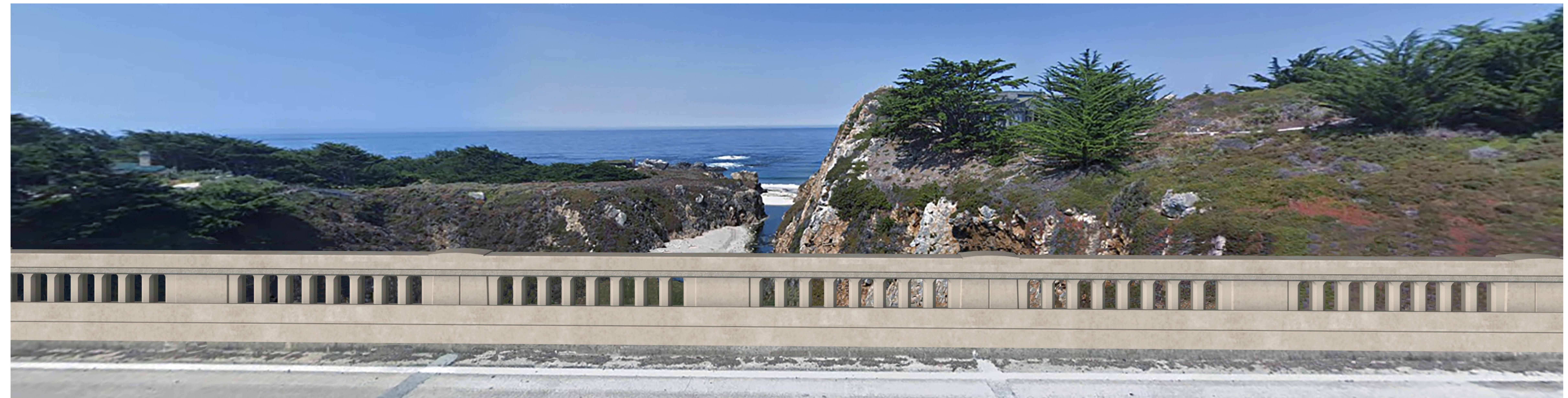
86H WITH TOP BEAM GROOVE LINE BACK ELEVATION



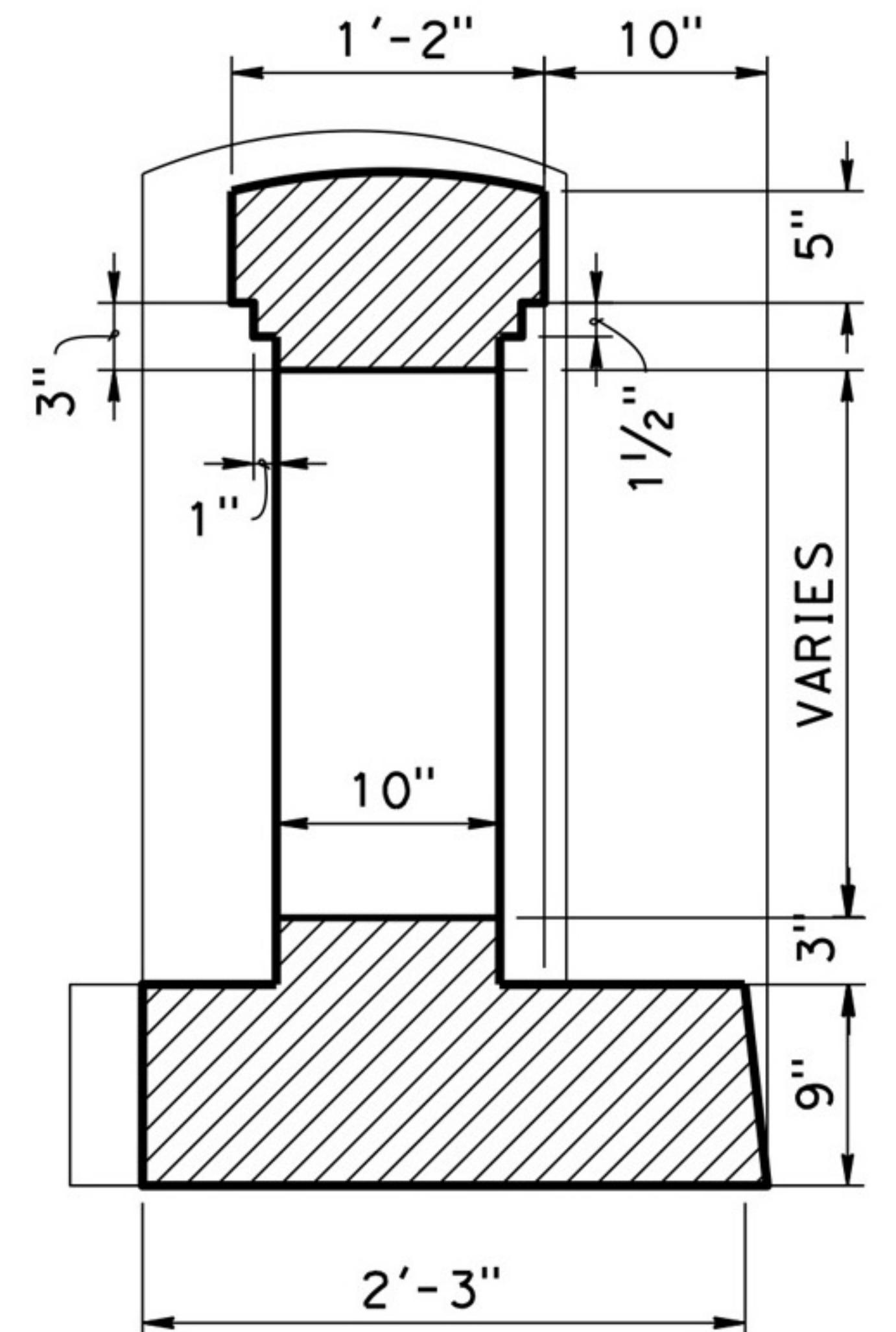
EXISTING BACK ELEVATION



TYPE 86H SECTION



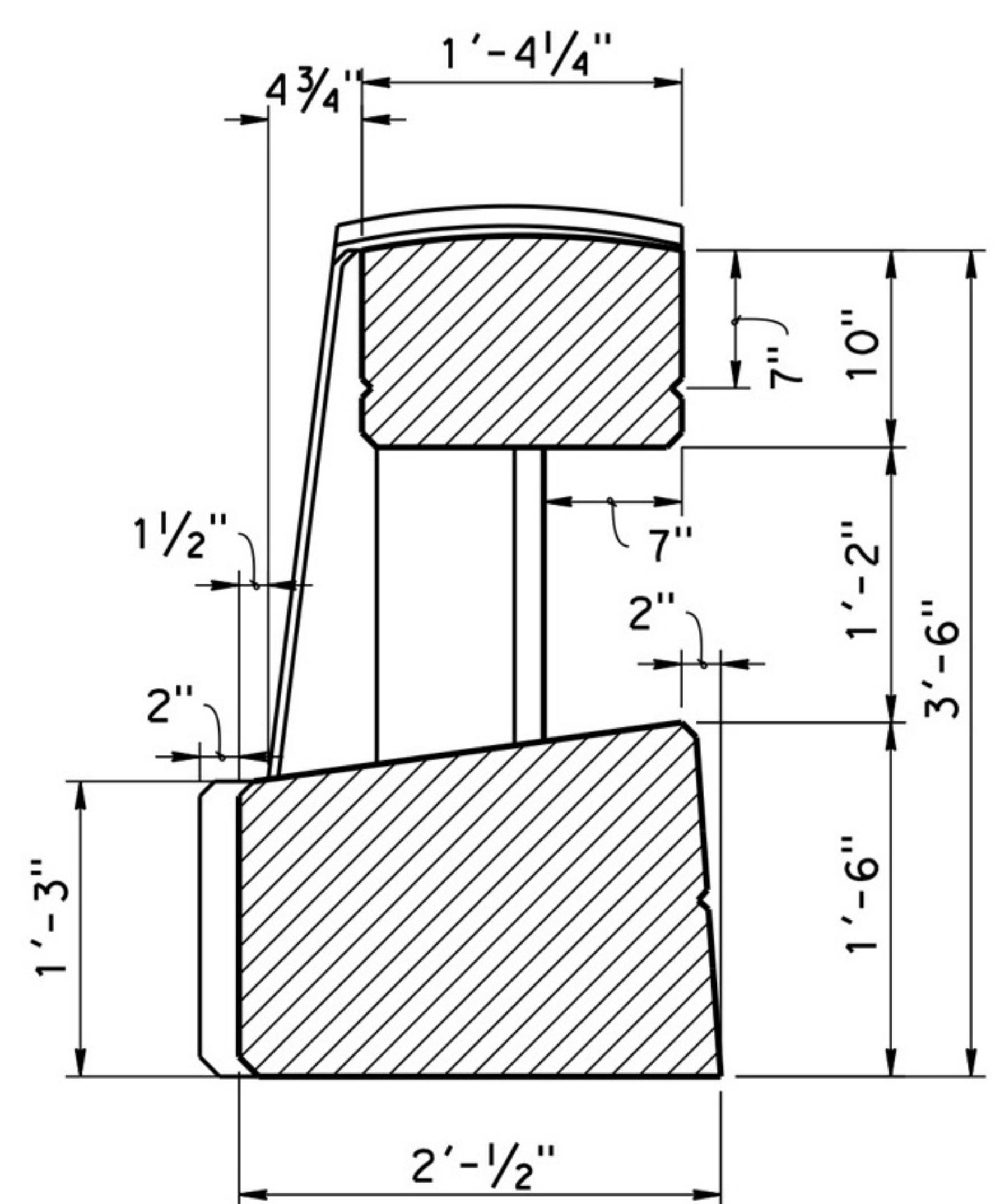
TYPE 86H ON DECK VIEW



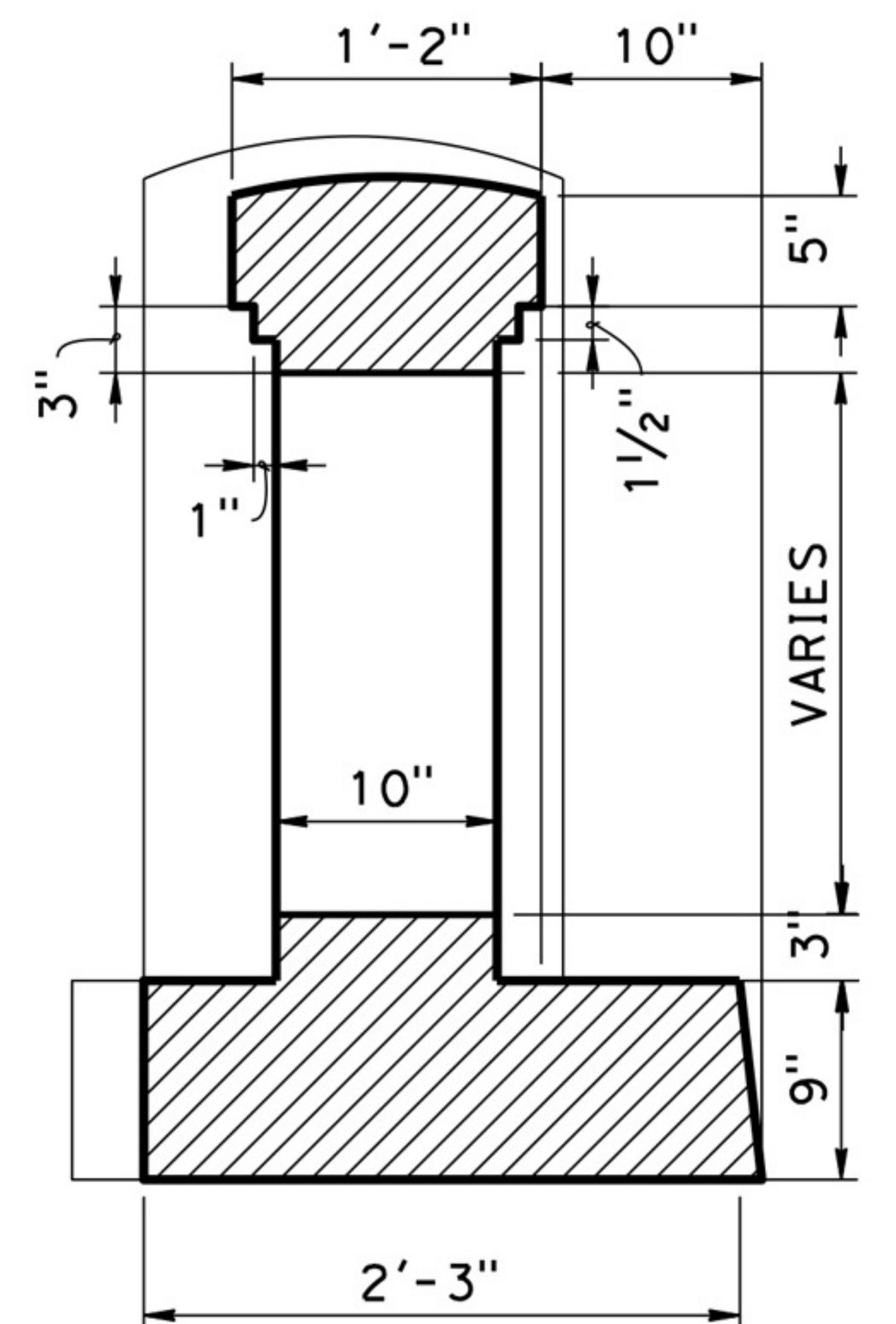
EXISTING SECTION



EXISTING ON DECK VIEW

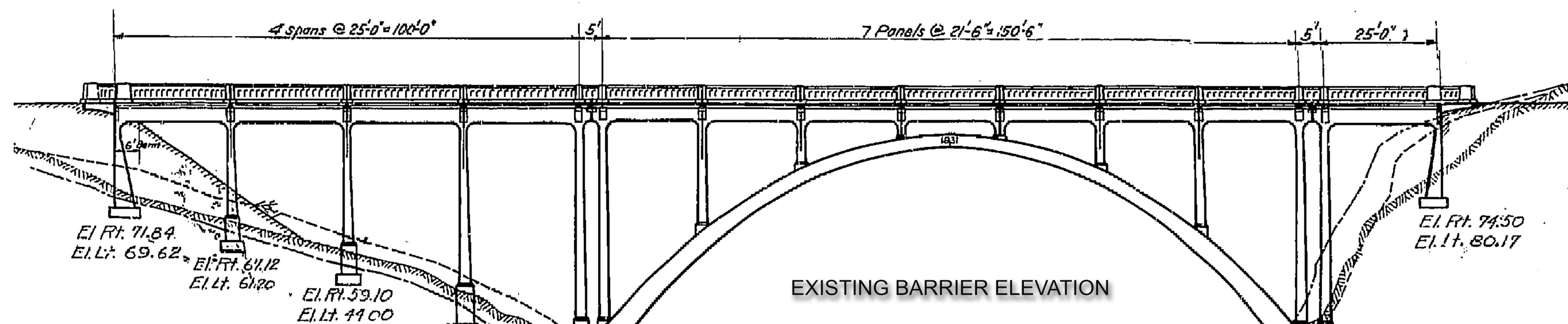
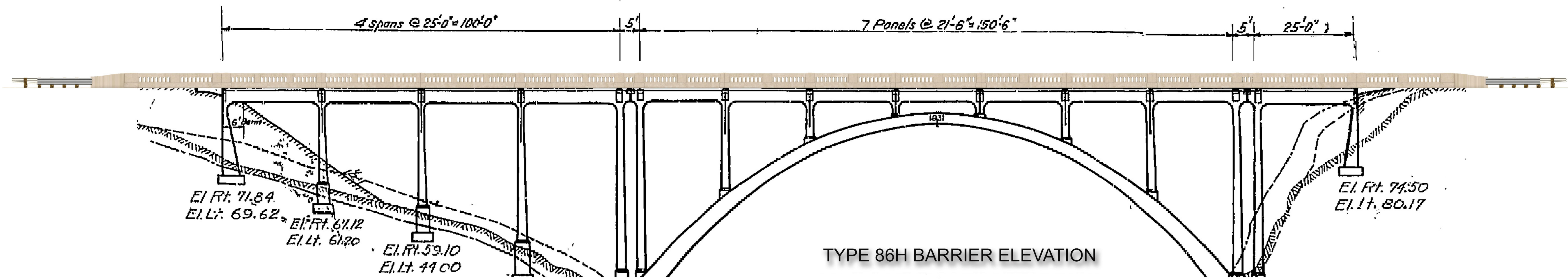


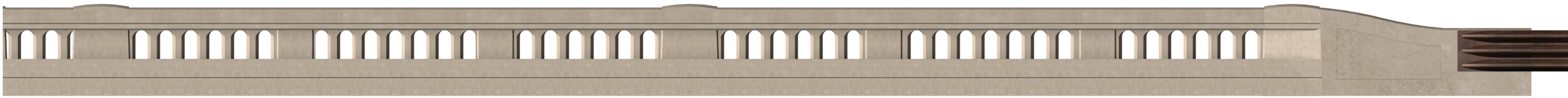
TYPE 86H SECTION



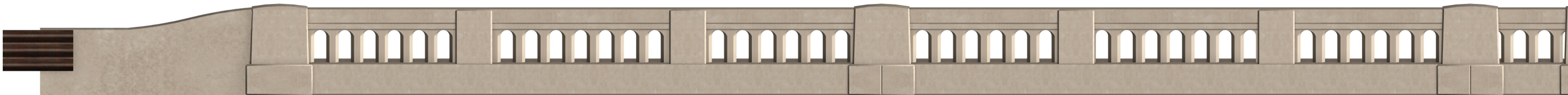
EXISTING SECTION



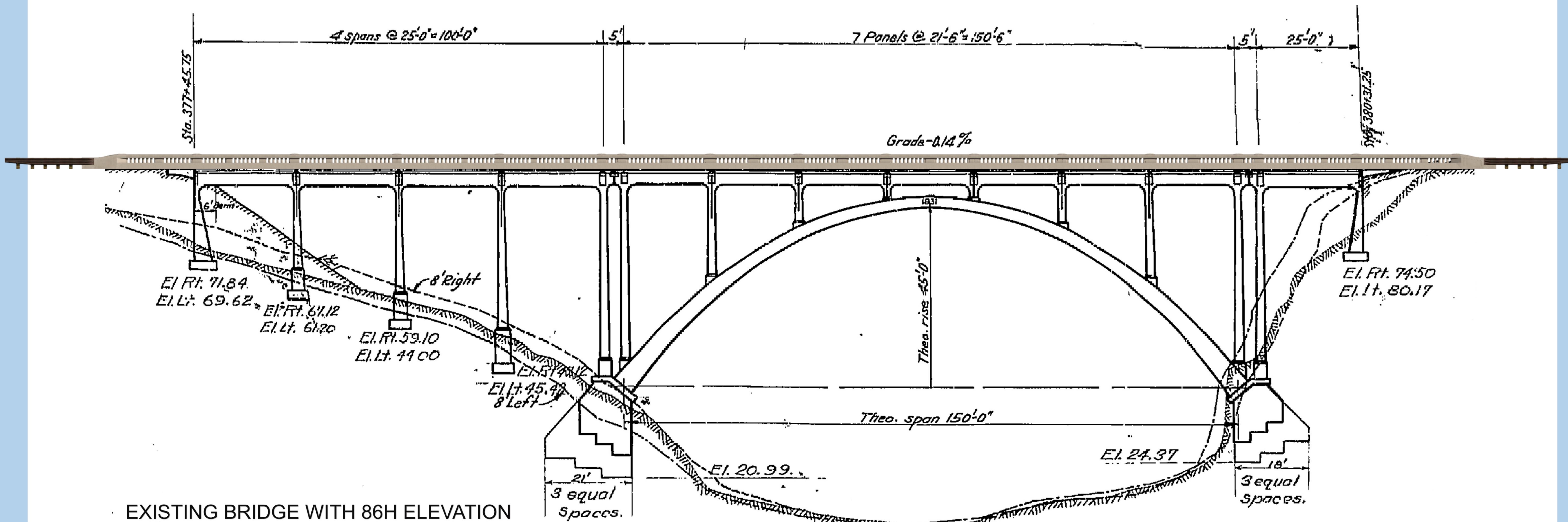




86H END BLOCK FRONT ELEVATION



86H END BLOCK BACK ELEVATION





86H FRONT ELEVATION PHOTO SIM.

GARRAPATA CREEK BRIDGE BARRIER TYPE 86H

09/06/22

Prepared by: DES, Bridge Architecture and Aesthetics





86H NORTH END BLOCK PHOTO SIM.

GARRAPATA CREEK BRIDGE BARRIER TYPE 86H

09/06/22

Prepared by: DES, Bridge Architecture and Aesthetics





86H SOUTH END BLOCK PHOTO SIM.

GARRAPATA CREEK BRIDGE BARRIER TYPE 86H

09/06/22

Prepared by: DES, Bridge Architecture and Aesthetics

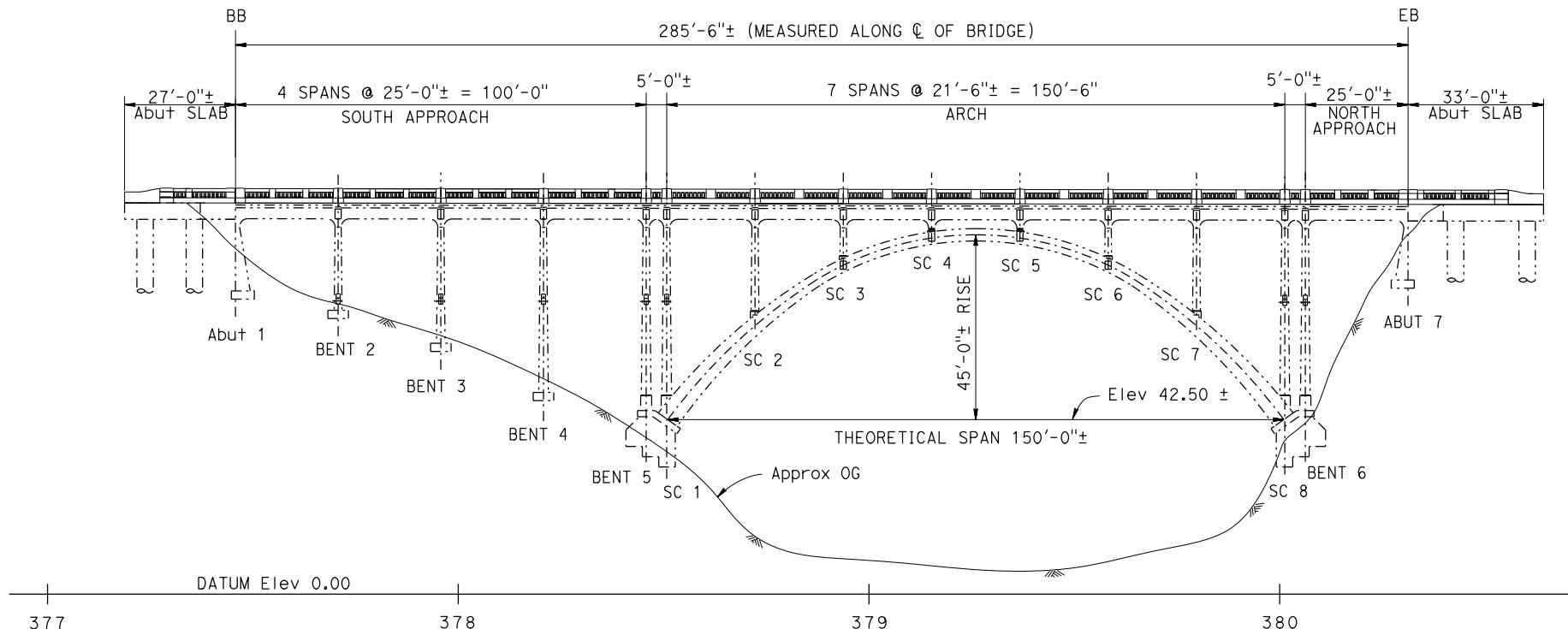


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE EXP. CIVIL

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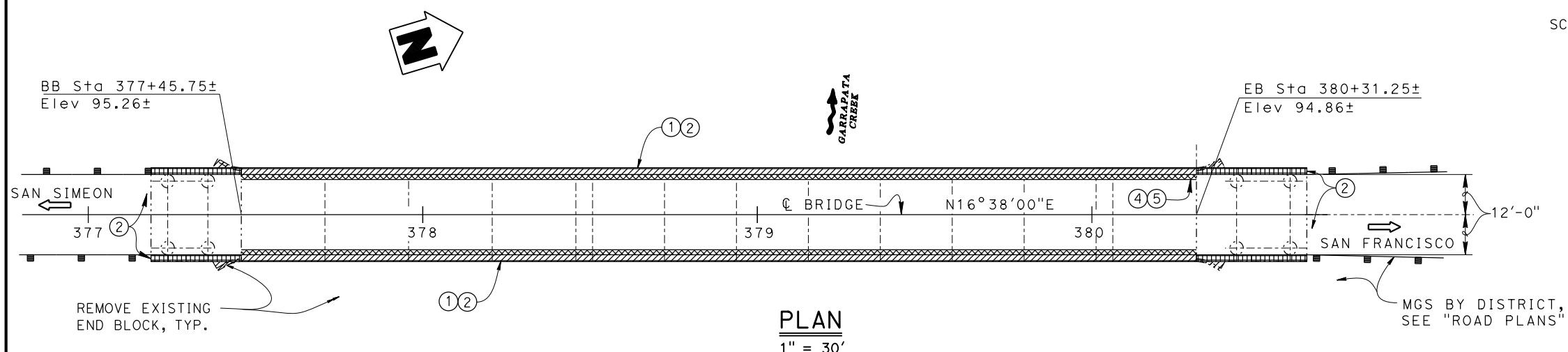
NOTES:

- ① Remove existing Overhang, Curb and Barrier, replace with new Overhang and Barrier Type 86H(Mod) extended to end of Abutment slab. Existing bridge rail not shown in "ELEVATION VIEW" for clarity.
- ② Barrier Type 86H(Mod) shown.
- ③ Stage construction with one-way traffic control will be necessary.
- ④ Paint: "GARRAPATA CREEK BRIDGE 1931"
- ⑤ Paint: "Br. No. 44-0018"

LEGEND:

- INDICATES NEW CONSTRUCTION
- INDICATES EXISTING STRUCTURE
- ||||| INDICATES REMOVAL OF EXISTING CONCRETE BARRIER, END BLOCKS, CURB, 1" POLYESTER OVERLAY AND OVERHANG
- ||||| PREPARE CONCRETE DECK, FINISH AND PLACE 1" POLYESTER CONCRETE OVERLAY. MATCH EXISTING GRADE
- ||||| INDICATES REMOVAL OF EXISTING POLYESTER CONCRETE OVERLAY AT LOCATIONS OF NEW CONCRETE BARRIER TYPE 86H(MOD)

SC SPANDREL COLUMN



NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

Matt Schott
BRANCH CHIEF

DESIGN BY Rene Coria
CHECKED Jim Gutierrez
SEISMIC ANALYSIS BY X
CHECKED X

DETAILS BY Mohammad Sharif
CHECKED Rene Coria
LAYOUT BY Rene Coria
CHECKED Mohammad Sharif

QUANTITIES BY Rene Coria
CHECKED Mohammad Sharif
SPECIFICATIONS BY X
CHECKED X

STRUCTURES DESIGN GENERAL PLAN SHEET
(ENGLISH) (REVISION 2/8/2022)

DATE PLOTTED => 15-NOV-2022 TIME PLOTTED => 14:08 ORIGINAL SCALE
FILE => 44-0018-a-gp01.dgn USERNAME => s110279 IN INCHES FOR
REDUCED PLANS 0 1 2 3

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
BRIDGE DESIGN
BRANCH 18

BRIDGE No.
44-0018
POST MILE
63.0

GARRAPATA CREEK BRIDGE
GENERAL PLAN

UNIT: 3603 COUNTY/ROUTE: Mon/001
PROJECT NUMBER & PHASE: 0516000163 CONTRACT No.: 05-1H800

DISREGARD PRINTS BEARING
EARLIER REVISION DATES
REVISION DATES
9/12/22 10/13/22
SHEET OF
1 15

STANDARD PLANS DATED 2022

DETAIL	DESCRIPTION
A3A	ABBREVIATIONS (SHEET 1 OF 3)
A3B	ABBREVIATIONS (SHEET 2 OF 3)
A3C	ABBREVIATIONS (SHEET 3 OF 3)
A10A	LEGEND LINES AND SYMBOLS (SHEET 1 OF 5)
A10B	LEGEND LINES AND SYMBOLS (SHEET 2 OF 5)
A10C	LEGEND LINES AND SYMBOLS (SHEET 3 OF 5)
A10D	LEGEND LINES AND SYMBOLS (SHEET 4 OF 5)
A10E	LEGEND LINES AND SYMBOLS (SHEET 5 OF 5)
B7-8	DECK DRAINAGE DETAIL

GENERAL NOTES:

DESIGN: AASHTO LRFD Bridge Design Specifications, 8th Edition with California Amendments

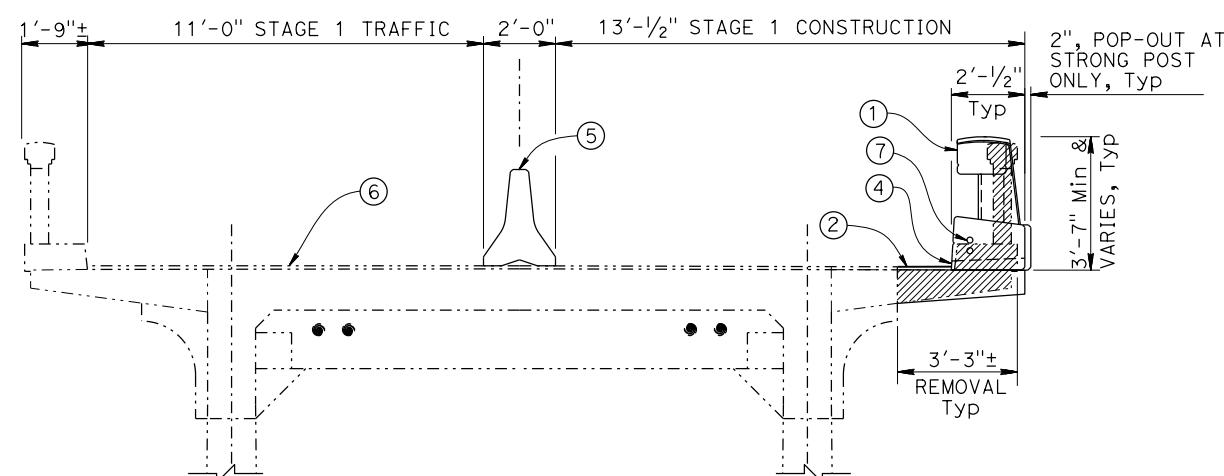
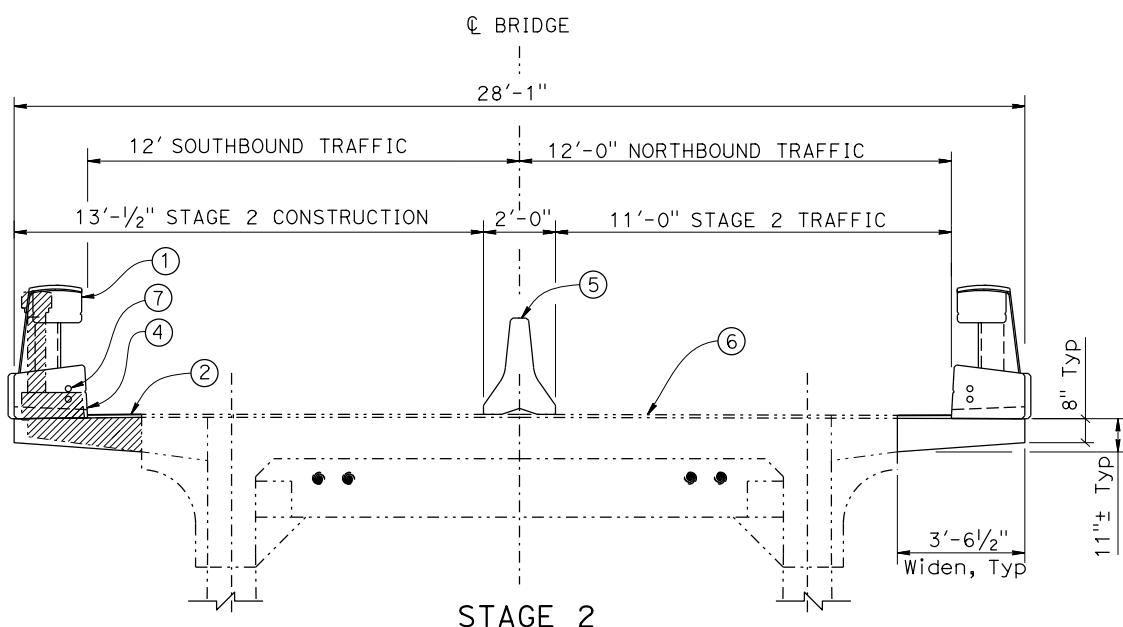
BARRIER LOADING: Test Level 4

DEAD LOAD: Includes 35 psf for future wearing surface

REINFORCED CONCRETE: Structural Concrete (Polymer Fiber): Concrete Barrier, Type 86(MOD):

$f_y = 80 \text{ ksi}$
 $f_y = 33 \text{ ksi}$ (Existing Reinf)
 $f_c' = 4.0 \text{ ksi}$, Polymer Fiber
 $n = 8$

$f_y = 60 \text{ ksi}$, Epoxy Coated
 $f_c' = 3.6 \text{ ksi}$
 $n = 8$



TYPICAL SECTION

$\frac{3}{8}'' = 1'-0''$

INDEX TO PLANS

SHEET NO.	TITLE
1	GENERAL PLAN
2	INDEX TO PLANS
3	OVERHANG DETAILS NO. 1
4	OVERHANG DETAILS NO. 2
5	CONCRETE BARRIER TYPE 86H(Mod) DETAILS NO. 1
6	CONCRETE BARRIER TYPE 86H(Mod) DETAILS NO. 2
7	CONCRETE BARRIER TYPE 86H(Mod) DETAILS NO. 3
8	CONCRETE BARRIER TYPE 86H(Mod) DETAILS NO. 4
9	CONCRETE BARRIER TYPE 86H(Mod) DETAILS NO. 5
10	CONCRETE BARRIER TYPE 86H(Mod) DETAILS NO. 6
11	CONCRETE BARRIER TYPE 86H(Mod) DETAILS NO. 7
12	CONCRETE BARRIER TYPE 86H(Mod) DETAILS NO. 8
13	CONCRETE BARRIER TYPE 86H(Mod) DETAILS NO. 9
14	CONCRETE BARRIER TYPE 86H(Mod) DETAILS NO. 10
15	CONCRETE BARRIER TYPE 86H(Mod) DETAILS NO. 11

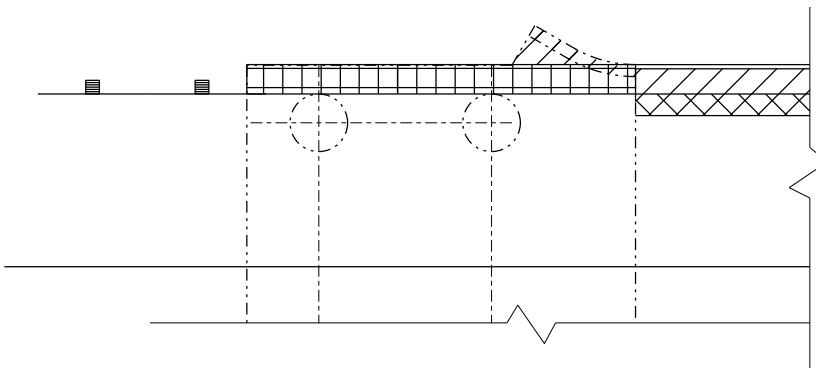
NOTES:

- ① Remove existing Overhang, Curb and Barrier, replace with new Overhang and Barrier Type 86H(Mod) extended to end of Abutment slab. Barrier to have integral color to match existing deck color.
- ② New 1" polyester overlay to match existing slope and grade.
- ③ Stage construction with one-way traffic control will be necessary.
- ④ Scupper or drop-thru Deck Drains to be installed in or near new Barriers. See STANDARD PLANS B7-8 "SCUPPER DETAIL"
- ⑤ Temporary K-Rail, see "ROADWAY PLANS".
- ⑥ Existing 1" polyester overlay to remain.
- ⑦ 2 ea 1-1/2" \emptyset Conduit at each Barrier for future utilities.

LEGEND:

- INDICATES NEW CONSTRUCTION
- - - INDICATES EXISTING STRUCTURE
- ██████████ INDICATES REMOVAL OF EXISTING CONCRETE BARRIER, END BLOCKS, CURB, 1" POLYESTER OVERLAY AND OVERHANG
- ██████████ PREPARE CONCRETE DECK, FINISH AND PLACE 1" POLYESTER CONCRETE OVERLAY. MATCH EXISTING GRADE
- ██████████ INDICATES REMOVAL OF EXISTING POLYESTER CONCRETE OVERLAY AT LOCATIONS OF NEW CONCRETE BARRIER TYPE 86H(MOD)

SC SPANDREL COLUMN



DESIGN	BY Rene Coria	CHECKED <input checked="" type="checkbox"/>
DETAILS	BY Mohammad Sharif	CHECKED <input checked="" type="checkbox"/>
QUANTITIES	BY X	CHECKED <input checked="" type="checkbox"/>

STRUCTURES DESIGN DETAIL SHEET
(ENGLISH) (REVISION 3/10/2021)

DATE PLOTTED => 29-NOV-2022 TIME PLOTTED => 15:42 ORIGINAL SCALE
FILE => 44-0018-a-1tp.dgn USERNAME => s110279 IN INCHES FOR
REDUCED PLANS 0 1 2 3

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
BRIDGE DESIGN
BRANCH 18

BRIDGE No.
44-0018
POST MILE
63.0

GARRAPATA CREEK BRIDGE
INDEX TO PLAN

UNIT: 3603
PROJECT NUMBER & PHASE: 0516000163

COUNTY/ROUTE: Mon/001
CONTRACT No.: 05-1H800

DISREGARD PRINTS BEARING
EARLIER REVISION DATES

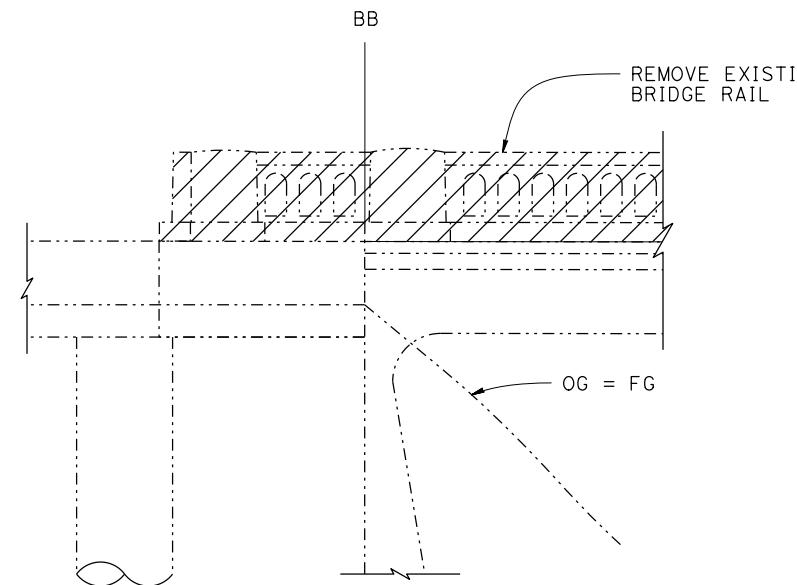
REVISION DATES
9/2/22 11/23/22 11/28/22
SHEET OF
2 15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER DATE
PLANS APPROVAL DATE
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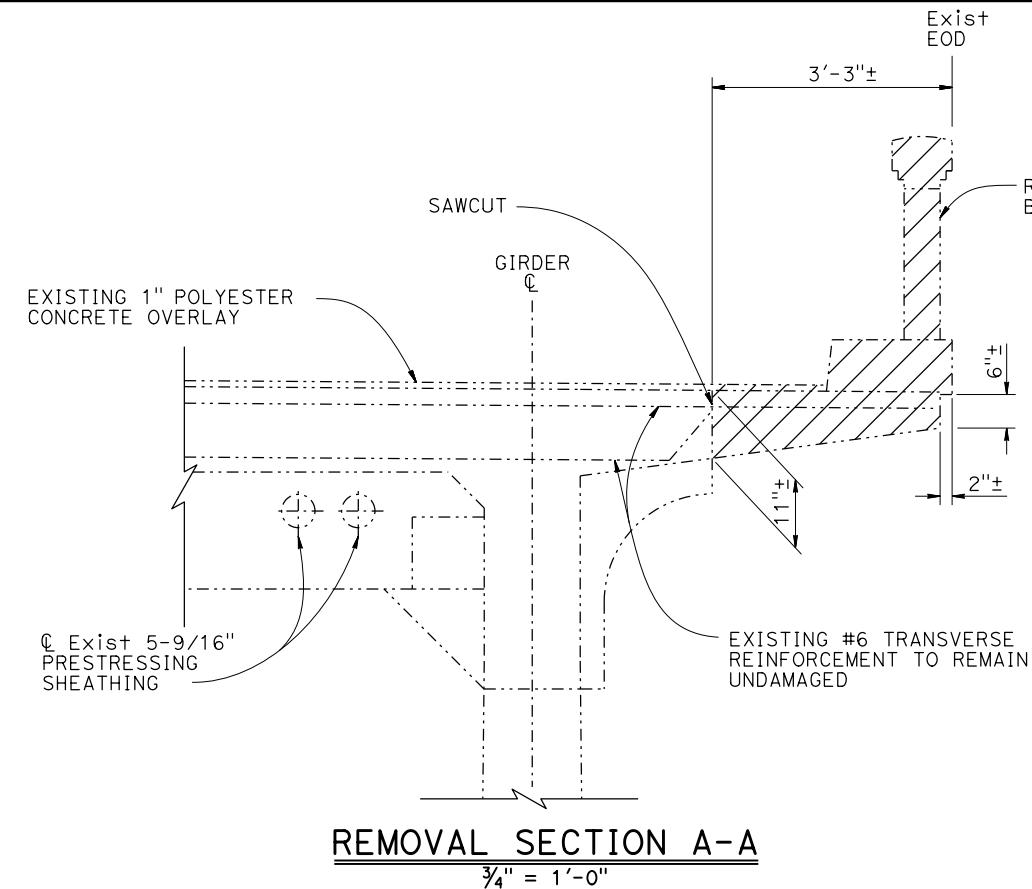
REGISTERED PROFESSIONAL ENGINEER
NO.
Exp.
CIVIL
STATE OF CALIFORNIA

Dist	COUNTY	ROUTE	POST MILES	SHEET NO.	TOTAL PROJECT SHEET NO.	OF TOTAL SHEETS
REGISTERED CIVIL ENGINEER <input checked="" type="checkbox"/> DATE <input checked="" type="checkbox"/>						REGISTERED PROFESSIONAL ENG INGR
PLANS APPROVAL DATE <input checked="" type="checkbox"/>						NO. <input checked="" type="checkbox"/> EXP. <input checked="" type="checkbox"/> CIVIL
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.						



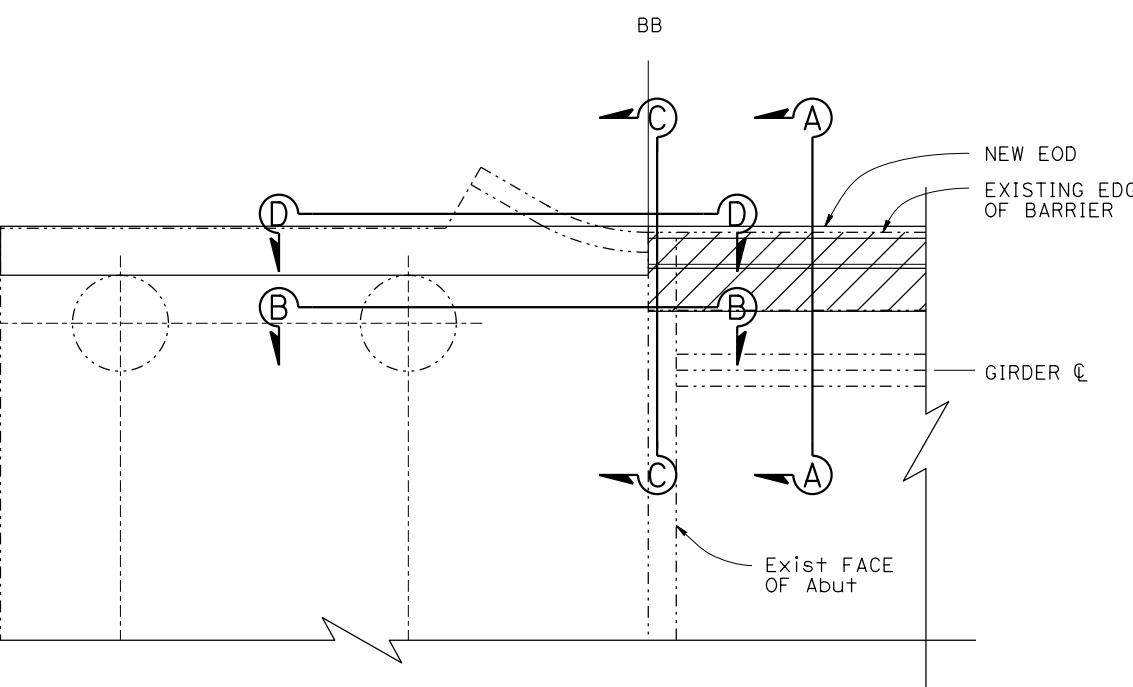
ABUTMENT ELEVATION

$1/4"$ = $1'-0"$



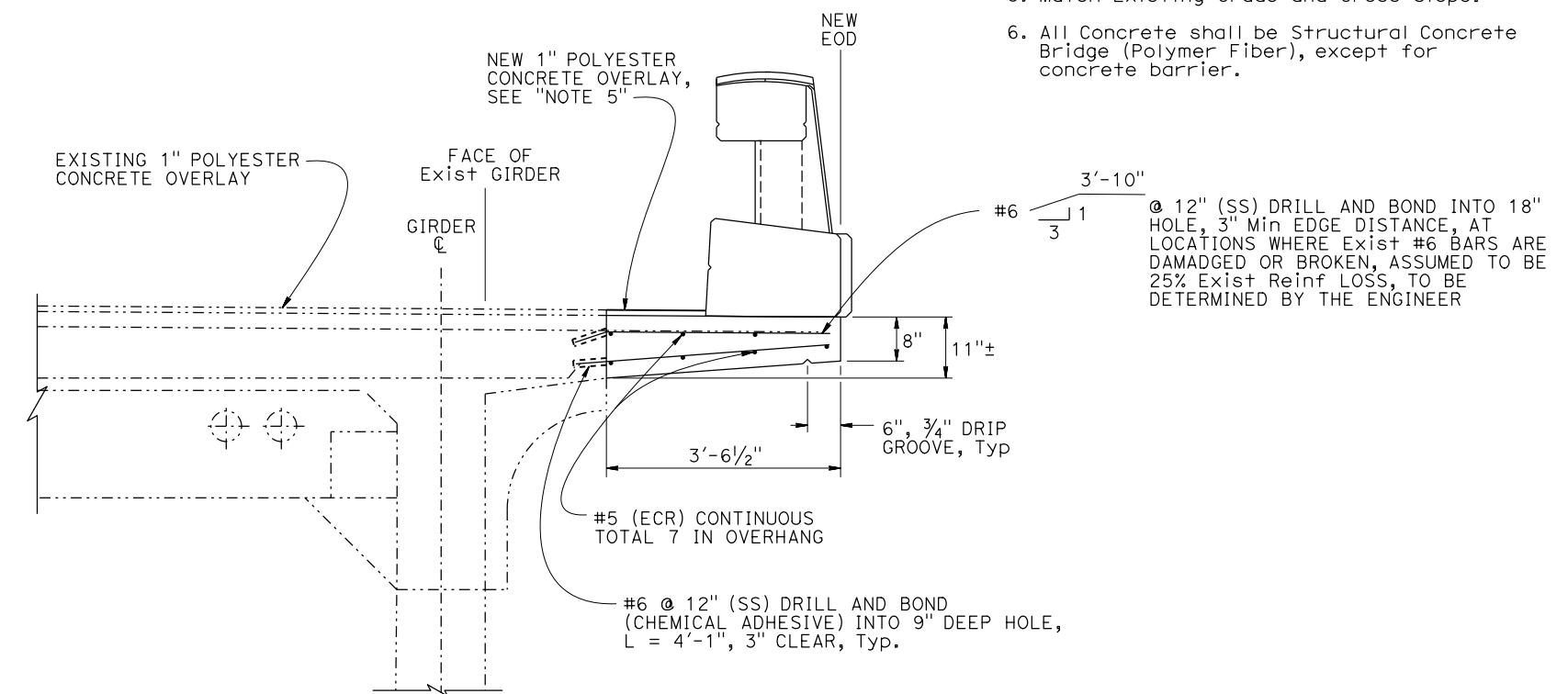
REMOVAL SECTION A-A

$3/4"$ = $1'-0"$



ABUTMENT PART PLAN

$1/4"$ = $1'-0"$



RECONSTRUCTION SECTION A-A

$3/4"$ = $1'-0"$

LEGEND:

- Bridge Removal (Portion)
- Existing Structure
- (ECR) Epoxy coated reinforcement bar
- (SS) Stainless steel reinforcement bar

NOTES:

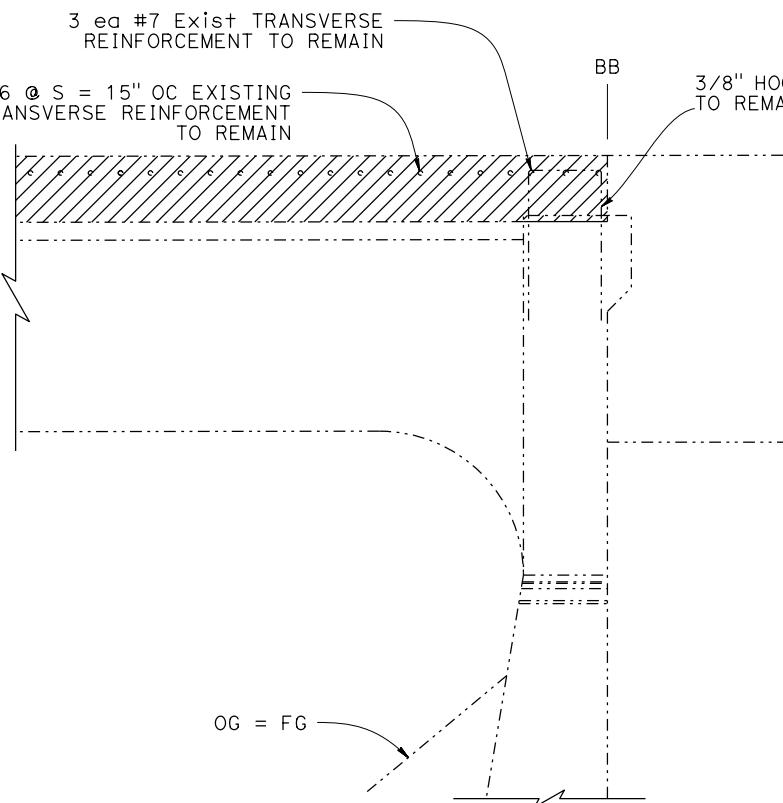
1. Abutment 1 shown, Abutment 7 similar.
2. Exist Concrete Barrier Rail not shown in Plan View for Clarity.
3. For Section B-B, C-C and D-D, see Sheet "OVERHANG DETAILS NO. 2".
4. Barrier Reinforcement not shown for Clarity, see "CONCRETE BARRIER TYPE 86H(MOD) DETAILS NO. 7, 8, 9, AND 10" sheets for details.
5. Match Existing Grade and Cross Slope.
6. All Concrete shall be Structural Concrete Bridge (Polymer Fiber), except for concrete barrier.

<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> DESIGN BY Rene Coria <input checked="" type="checkbox"/> DETAILS BY Mohammad Sharif <input checked="" type="checkbox"/> QUANTITIES BY X <input checked="" type="checkbox"/> </div>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES BRIDGE DESIGN BRANCH 18	BRIDGE NO. 44-0018 POST MILE 63.0	GARRAPATA CREEK BRIDGE OVERHANG DETAILS NO. 1		
	DATE PLOTTED => 15-NOV-2022 FILE => 44-0018-t-brd+01.dgn	TIME PLOTTED => 14:09 USERNAME => s110279	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT: 3603 PROJECT NUMBER & PHASE: 0516000163	COUNTY/ROUTE: Mon/001 CONTRACT No.: 05-1H800
	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 9/12/22 9/26/22 10/05/22	SHEET OF 3 15			

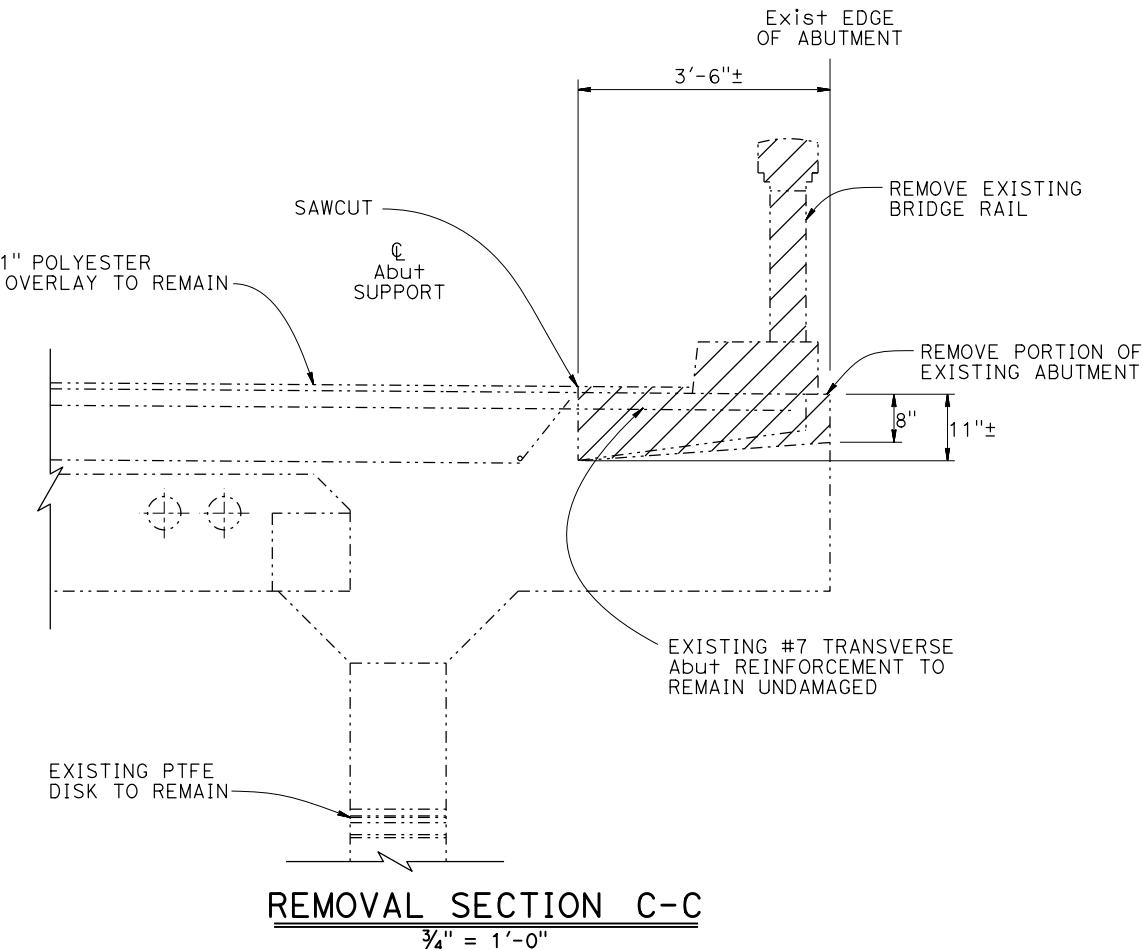
Dist	COUNTY	ROUTE	POST MILES	SHEET NO.	TOTAL PROJECT SHEET

REGISTERED CIVIL ENGINEER DATE
PLANS APPROVAL DATE
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REMOVAL SECTION B-B

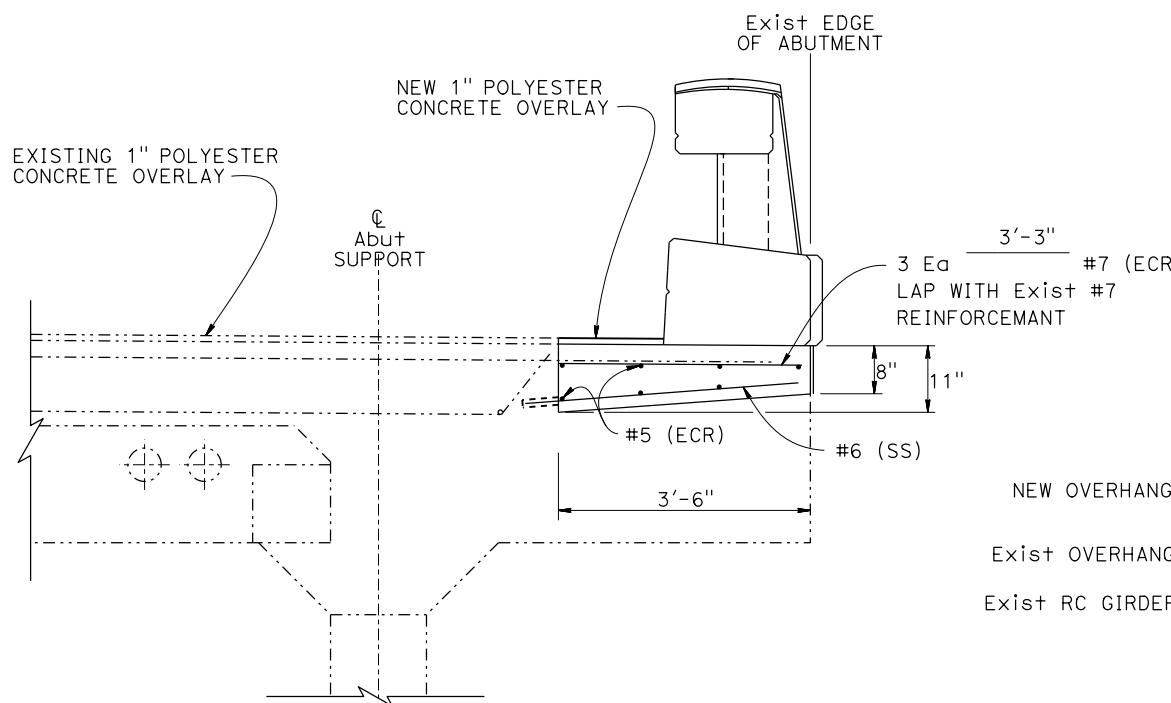
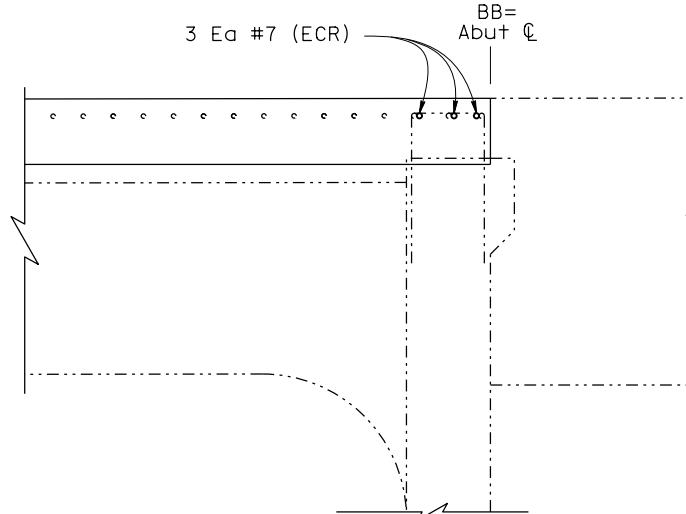


NOTES:

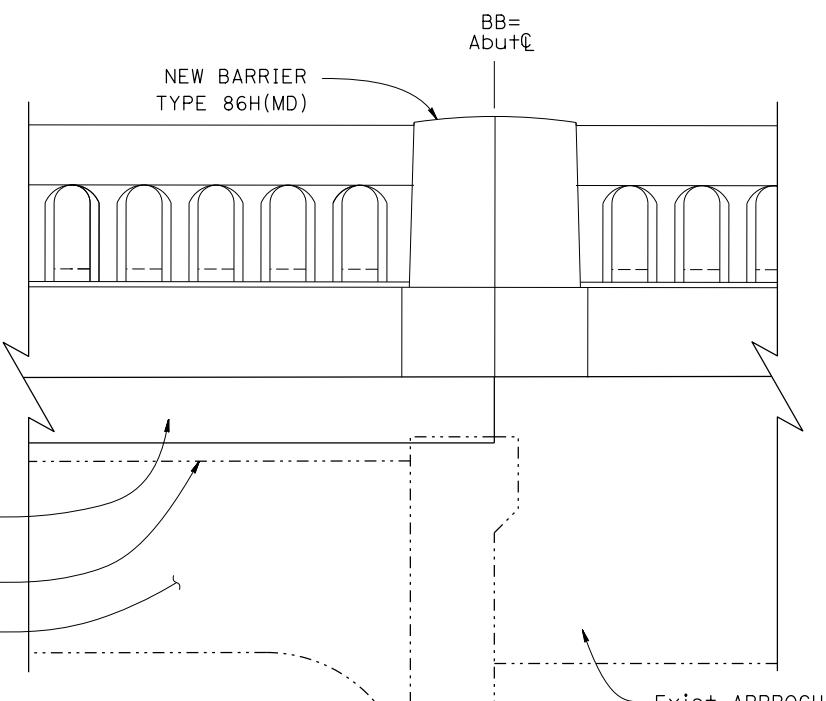
1. For Location of Section B-B and C-C, see Sheet "OVERHANG DETAILS NO. 1".
2. Abut 1 shown, Abut 7 similar.
3. Barrier Reinforcement not shown for Clarity, see "CONCRETE BARRIER TYPE 86H(MOD) DETAILS No. 7, 8, 9, AND 10" sheets for details.
4. Match Existing Grade and Cross Slope.
5. New Deck Reinforcement, see "OVERHANG DETAILS NO. 1" and "BARRIER TYPE 86H(Mod)" Sheets.
6. Overhang Concrete shall be Structural Concrete, Bridge (Polymer Fiber).

LEGEND:

- Bridge Removal (Portion)
- Existing Structure
- (ECR) Epoxy coated reinforcement bar
- (SS) Stainless steel reinforcement bar



RECONSTRUCTION SECTION B-B



SECTION D-D

DESIGN	BY	RENE CORIA	CHECKED	X	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE NO.	44-0018	GARRAPATA CREEK BRIDGE		
DETAILS	BY	MOHAMMAD SHARIF	CHECKED	X	DEPARTMENT OF TRANSPORTATION	BRIDGE DESIGN	POST MILE		OVERHANG DETAILS NO. 2		
QUANTITIES	BY	X	CHECKED	X	BRANCH 18	UNIT: 3603	63.0	63.0	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET OF
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REVISION 3/10/2021)	DATE PLOTTED => 15-NOV-2022	TIME PLOTTED => 14:09	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	PROJECT NUMBER & PHASE: 0516000163	COUNTY/ROUTE: Mon/001	CONTRACT No.: 05-1H880	DISREGARD PRINTS BEARING EARLIER REVISION DATES	9/2/22 9/28/22 10/5/22	4	15

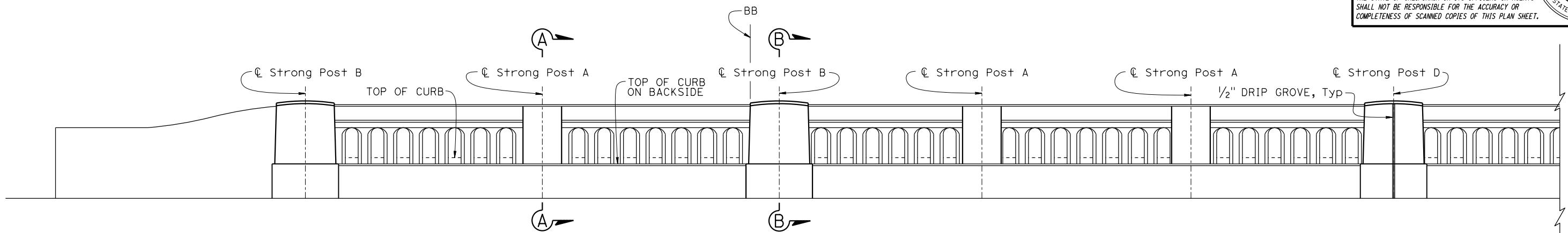
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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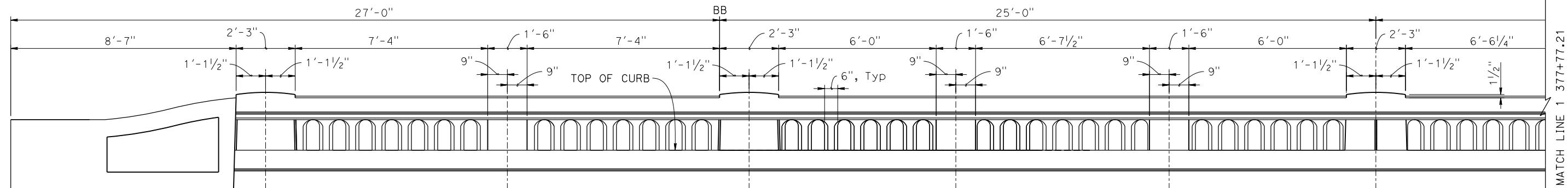
REGISTERED PROFESSIONAL ENG. ING.
No. Exp. CIVIL
STATE OF CALIFORNIA



BACKSIDE ELEVATION

$\frac{1}{2}'' = 1'-0''$

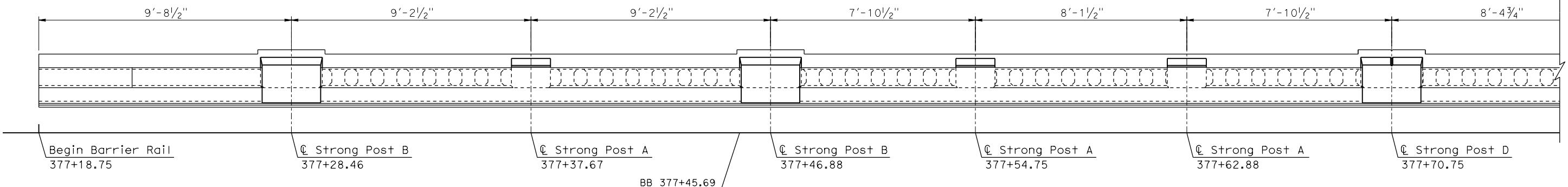
NOTE: Backside View (from ocean side) 6" Balusters



TRAFFIC SIDE ELEVATION

$\frac{1}{2}'' = 1'-0''$

NOTE: Front View (from traffic side) 6" Balusters



PLAN

$\frac{1}{2}'' = 1'-0''$

DESIGN BY Kimberly Mori CHECKED <input checked="" type="checkbox"/>	DETAILS BY David Elliott CHECKED <input checked="" type="checkbox"/>	QUANTITIES BY X CHECKED <input checked="" type="checkbox"/>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES OFFICE OF DESIGN AND TECHNICAL SERVICES SPECIAL DESIGN BRANCH B	BRIDGE No. 44-0018	GARRAPATA CREEK BRIDGE
					POST MILE 63.0	CONCRETE BARRIER TYPE 86H DETAILS No. 1
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REVISION 3/10/2021)	DATE PLOTTED => 7-SEP-2022 FILE => 44-0018-c-sp01.dgn	TIME PLOTTED => 08:31 USERNAME => s123982	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT: 3619 PROJECT NUMBER & PHASE: 05160001631	COUNTY/ROUTE: Mon/1 CONTRACT No.: 05-1H8004	DISREGARD PRINTS BEARING EARLIER REVISION DATES 8-5-22 9-1-22 X X
REVISION DATES	SHEET OF					

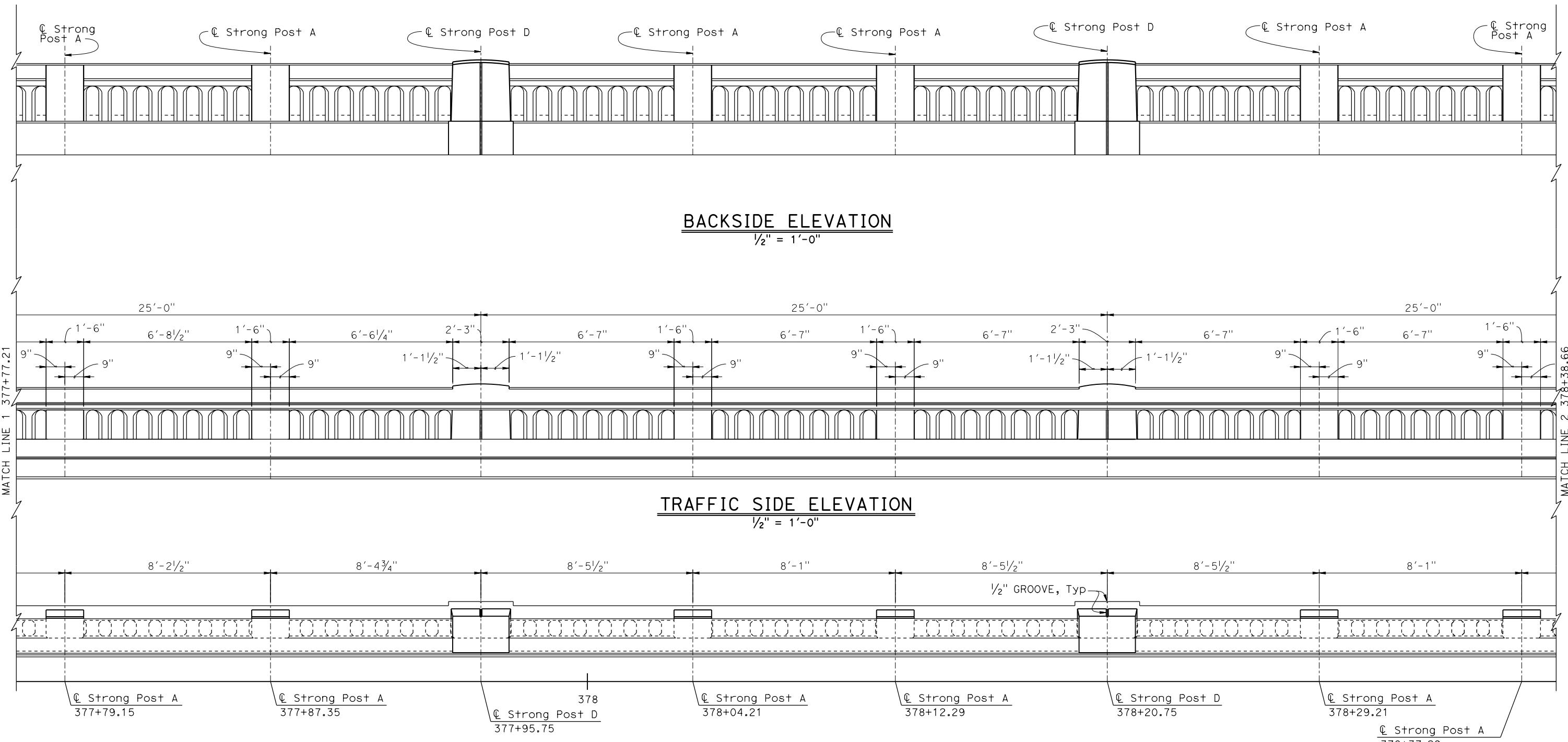
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE EXP. CIVIL

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No. Exp. CIVIL



DESIGN BY Kimberly Mori CHECKED <input checked="" type="checkbox"/>	DETAILS BY David Elliott CHECKED <input checked="" type="checkbox"/>	QUANTITIES BY X CHECKED <input checked="" type="checkbox"/>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES OFFICE OF DESIGN AND TECHNICAL SERVICES SPECIAL DESIGN BRANCH B	BRIDGE No. 44-0018	GARRAPATA CREEK BRIDGE
					POST MILE 63.0	CONCRETE BARRIER TYPE 86H DETAILS No. 2
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REVISION 3/10/2021)	DATE PLOTTED => 7-SEP-2022 FILE => 44-0018-c-sp02.dgn	TIME PLOTTED => 08:31 USERNAME => s123982	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT: 3619 PROJECT NUMBER & PHASE: 05160001631	COUNTY/ROUTE: Mon/1 CONTRACT No.: 05-1H8004	DISREGARD PRINTS BEARING EARLIER REVISION DATES 8-5-12 9-1-22 X
REVISION DATES	SHEET OF					

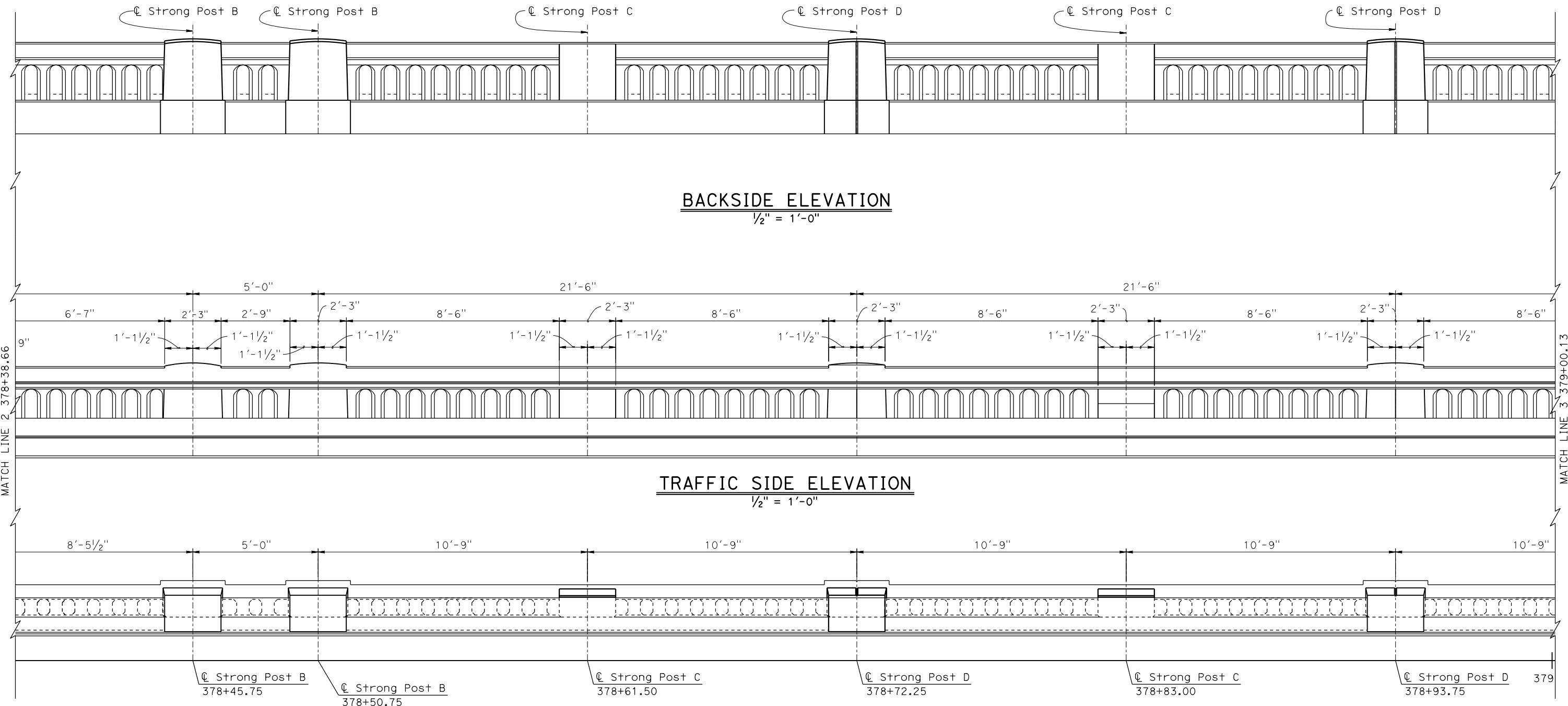
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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STATE OF CALIFORNIA



DESIGN BY <input checked="" type="checkbox"/> DETAILS BY <input checked="" type="checkbox"/> QUANTITIES BY <input checked="" type="checkbox"/>	CHECKED <input checked="" type="checkbox"/>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES OFFICE OF DESIGN AND TECHNICAL SERVICES SPECIAL DESIGN BRANCH B	BRIDGE No. 44-0018	GARRAPATA CREEK BRIDGE	
	CHECKED <input checked="" type="checkbox"/>			POST MILE 63.0		
	CHECKED <input checked="" type="checkbox"/>			UNIT: 3619 PROJECT NUMBER & PHASE: 05160001631 COUNTY/ROUTE: Mon/1 CONTRACT No.: 05-1H8004		
DATE PLOTTED => 7-SEP-2022 FILE => 44-0018-c-sp03.dgn TIME PLOTTED => 08:31 USERNAME => s123982		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES 8-5-22 9-1-22 X X			

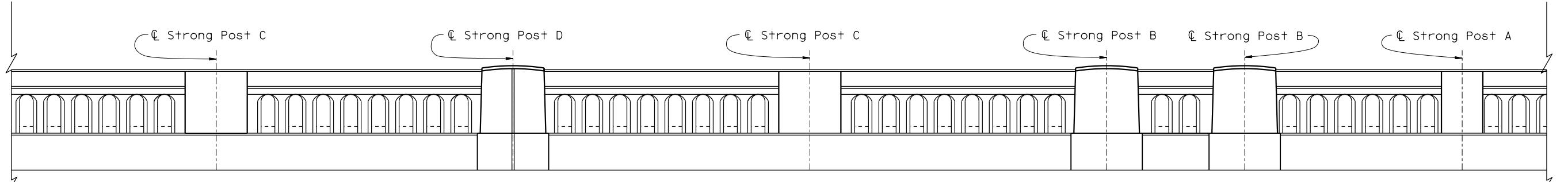
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

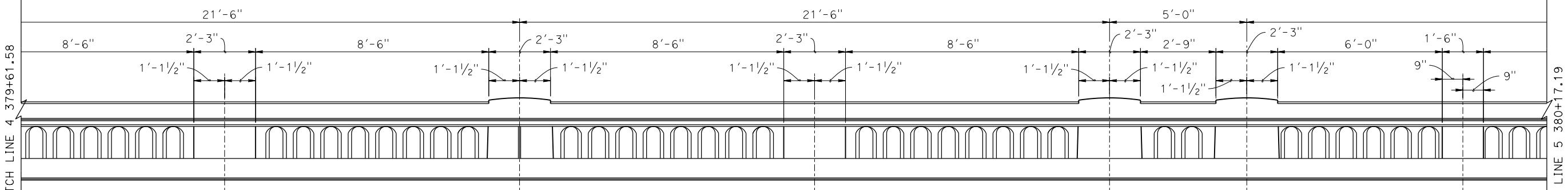
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS
SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR
COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENG. ING.
No. Exp. CIVIL
STATE OF CALIFORNIA



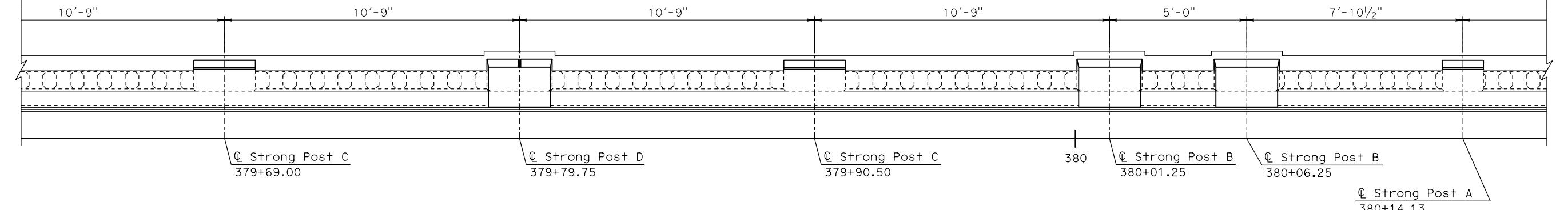
BACKSIDE ELEVATION

$\frac{1}{2}$ " = 1'-0"



TRAFFIC SIDE ELEVATION

$\frac{1}{2}$ " = 1'-0"



$\frac{1}{2}$ " = 1'-0"

DESIGN BY Kimberly Mori CHECKED <input checked="" type="checkbox"/>	DETAILS BY David Elliott CHECKED <input checked="" type="checkbox"/>	QUANTITIES BY X CHECKED <input checked="" type="checkbox"/>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES OFFICE OF DESIGN AND TECHNICAL SERVICES SPECIAL DESIGN BRANCH B	BRIDGE No.	GARRAPATA CREEK BRIDGE								
					44-0018	CONCRETE BARRIER TYPE 86H DETAILS No. 5								
					POST MILE 63.0									
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REVISION 3/10/2021)		DATE PLOTTED => 7-SEP-2022 FILE => 44-0018-c-sp05.dgn		TIME PLOTTED => 08:31 USERNAME => s123982	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3	UNIT: 3619 PROJECT NUMBER & PHASE: 05160001631	COUNTY/ROUTE: Mon/1 CONTRACT No.: 05-1H8004	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 8-5-22 9-1-22	SHEET OF X

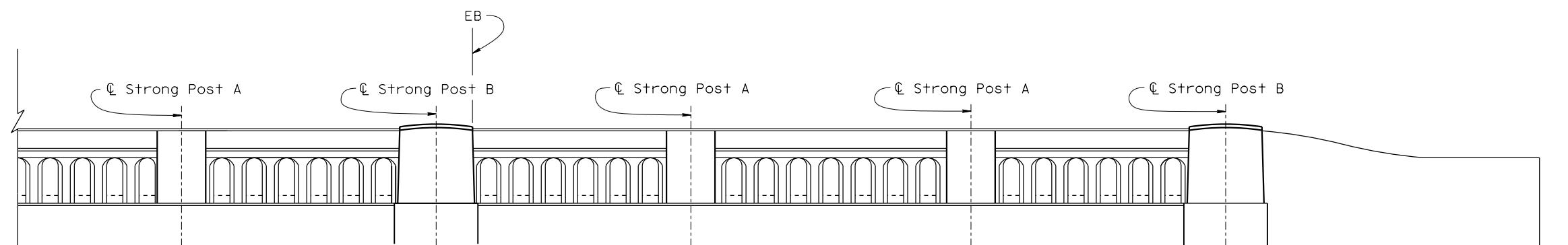
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

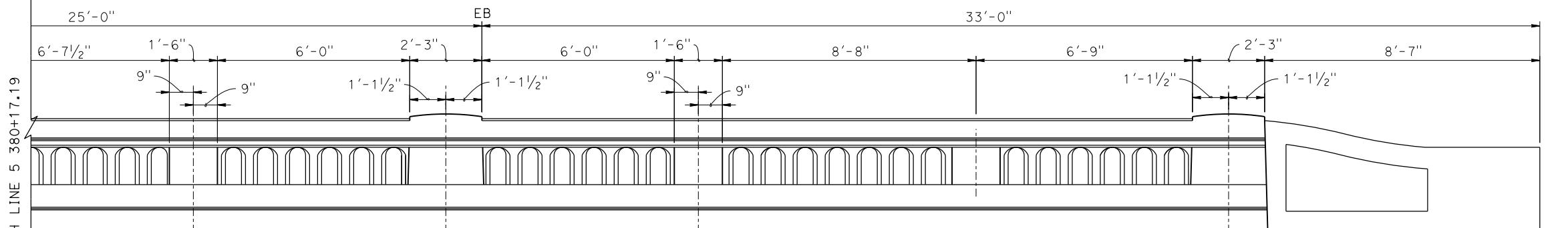
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS
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REGISTERED PROFESSIONAL ENG. ING.
No. Exp. CIVIL
STATE OF CALIFORNIA



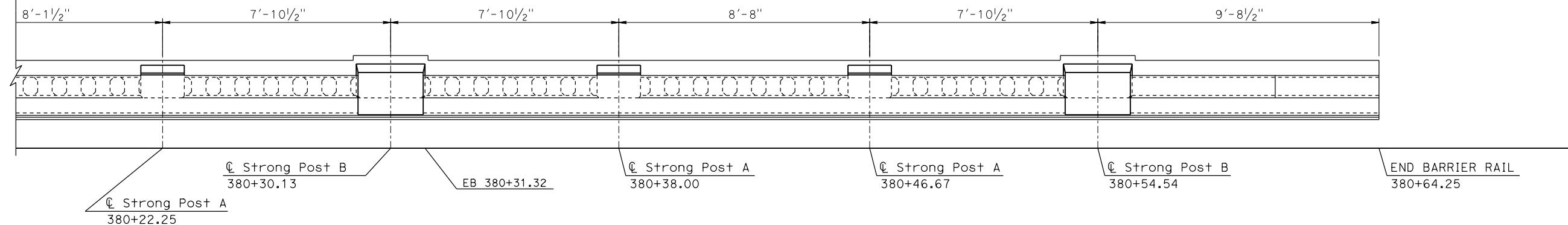
BACKSIDE ELEVATION

$\frac{1}{2}'' = 1'-0''$



TRAFFIC SIDE ELEVATION

$\frac{1}{2}'' = 1'-0''$



PLAN
 $\frac{1}{2}'' = 1'-0''$

DESIGN BY Kimberly Mori CHECKED <input checked="" type="checkbox"/>	DETAILS BY David Elliott CHECKED <input checked="" type="checkbox"/>	QUANTITIES BY X CHECKED <input checked="" type="checkbox"/>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES OFFICE OF DESIGN AND TECHNICAL SERVICES SPECIAL DESIGN BRANCH B	BRIDGE No.	GARRAPATA CREEK BRIDGE			
					44-0018	CONCRETE BARRIER TYPE 86H DETAILS No. 6			
					POST MILE 63.0				
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REVISION 3/10/2021)			DATE PLOTTED => 7-SEP-2022 FILE => 44-0018-c-sp06.dgn	TIME PLOTTED => 08:32 USERNAME => s123982	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT: 3619 PROJECT NUMBER & PHASE: 05160001631	COUNTY/ROUTE: Mon/1 CONTRACT No.: 05-1H8004	DISREGARD PRINTS BEARING EARLIER REVISION DATES 8-5-22 9-1-22	REVISION DATES SHEET OF X X

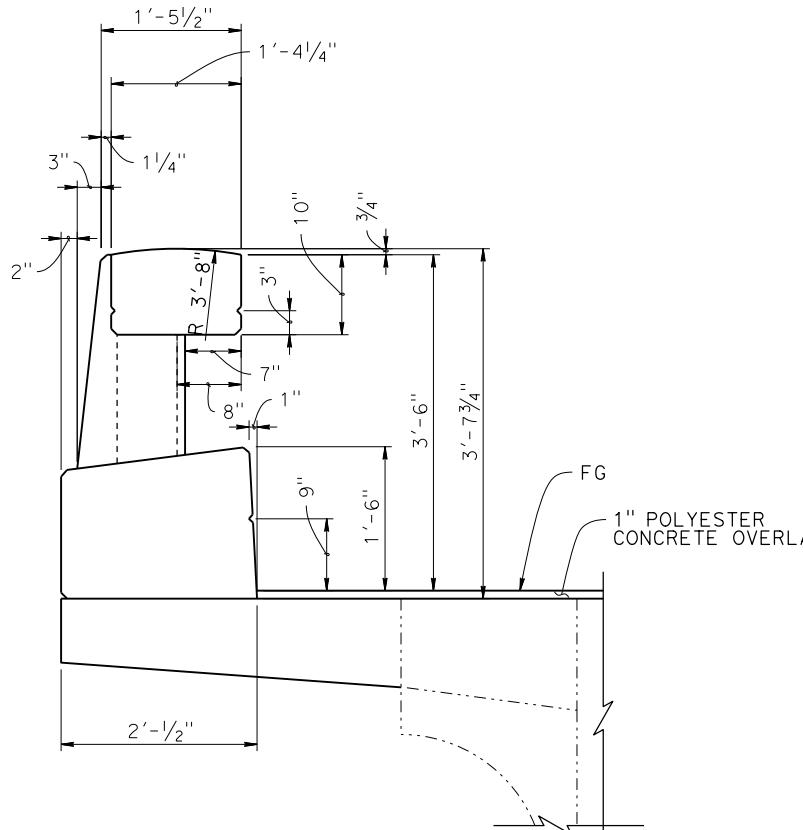
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

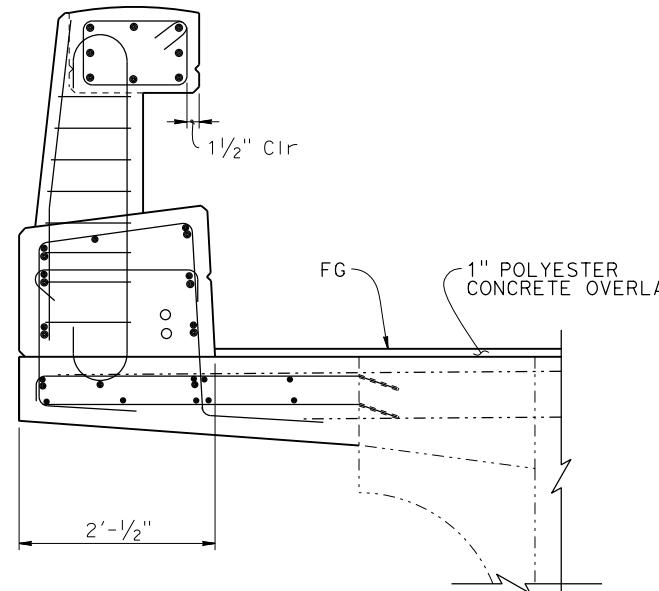
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS
SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR
COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENG
No. Exp. CIVIL
STATE OF CALIFORNIA



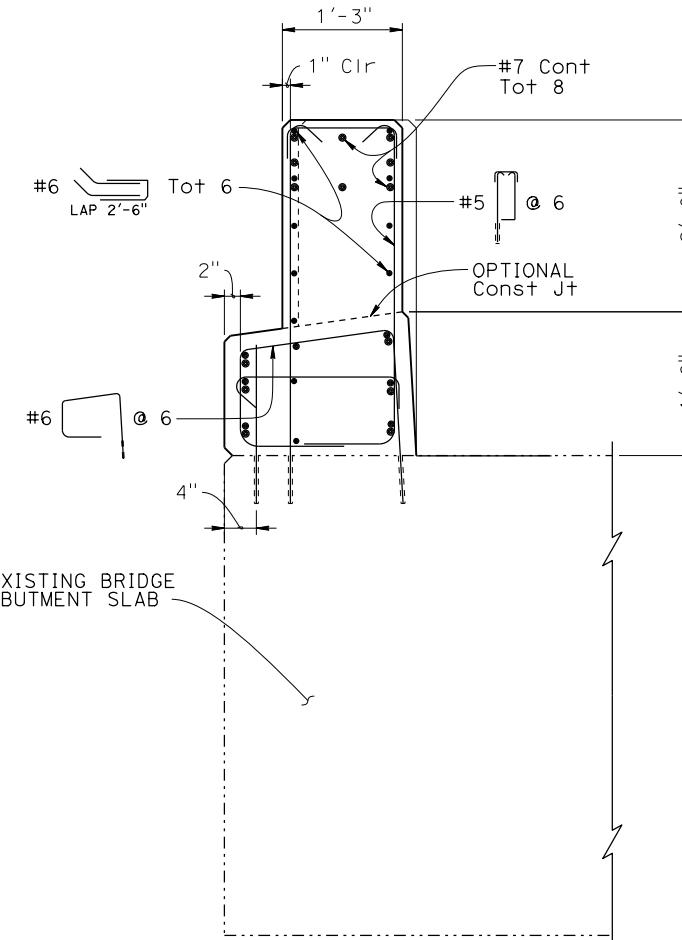
TYPICAL SECTION

1" = 1'-0"



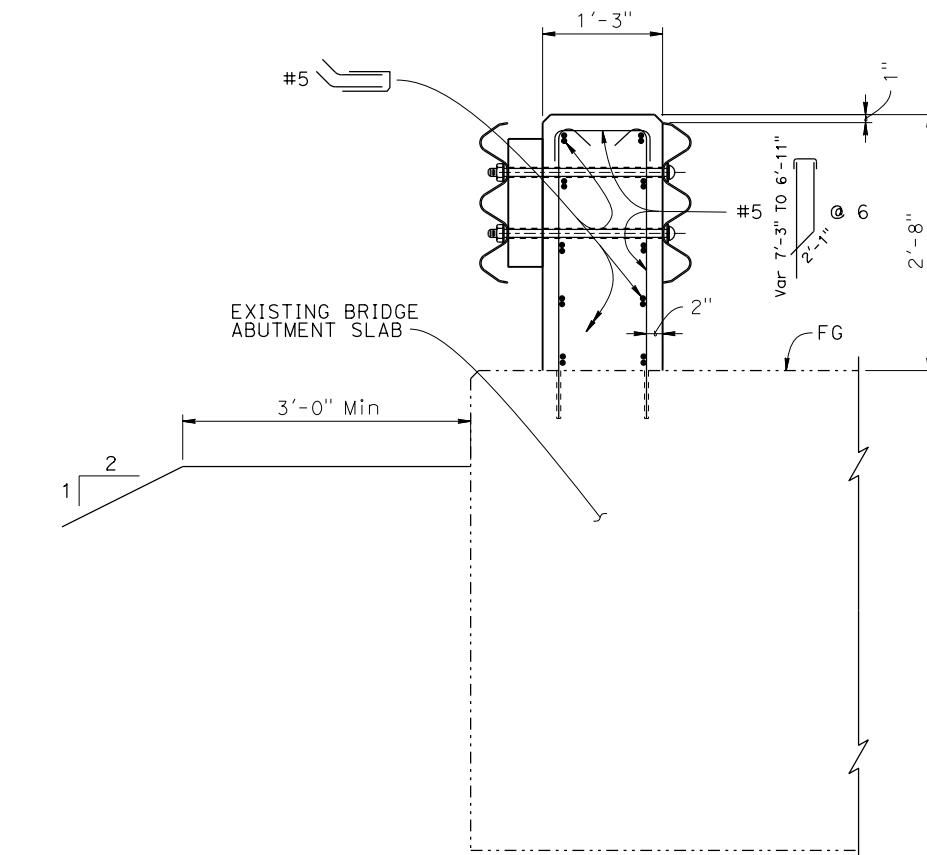
TYPICAL SECTION - TYPE 86H

1" = 1'-0"



SECTION D-D

1" = 1'-0"



SECTION E-E

1" = 1'-0"

DESIGN BY Kimberly Mori CHECKED <input checked="" type="checkbox"/>	DETAILS BY David Elliott CHECKED <input checked="" type="checkbox"/>	QUANTITIES BY X CHECKED <input checked="" type="checkbox"/>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES OFFICE OF DESIGN AND TECHNICAL SERVICES SPECIAL DESIGN BRANCH B	BRIDGE No. 44-0018	GARRAPATA CREEK BRIDGE		
					POST MILE 63.0	CONCRETE BARRIER TYPE 86H DETAILS No. 7		
					UNIT: 3619 PROJECT NUMBER & PHASE: 05160001631	COUNTY/ROUTE: Mon/1 CONTRACT No.: 05-1H8004	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 8-5-22 8-9-22 9-2-22
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REVISION 3/10/2021)	DATE PLOTTED => 7-SEP-2022 FILE => 44-0018-c-sp07.dgn	TIME PLOTTED => 08:32 USERNAME => s123982	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	SHEET OF X X			

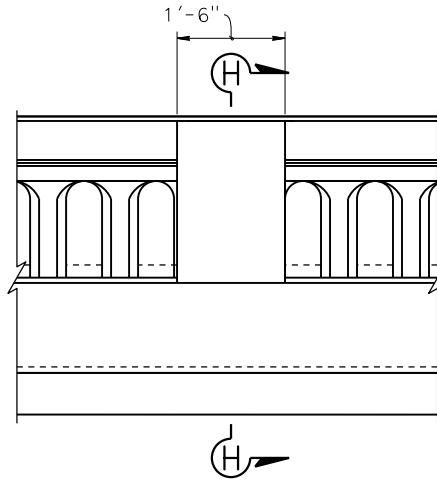
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

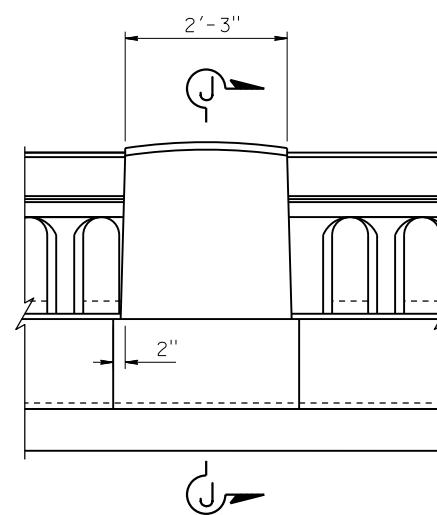
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS
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REGISTERED PROFESSIONAL ENG
No. Exp. CIVIL
STATE OF CALIFORNIA



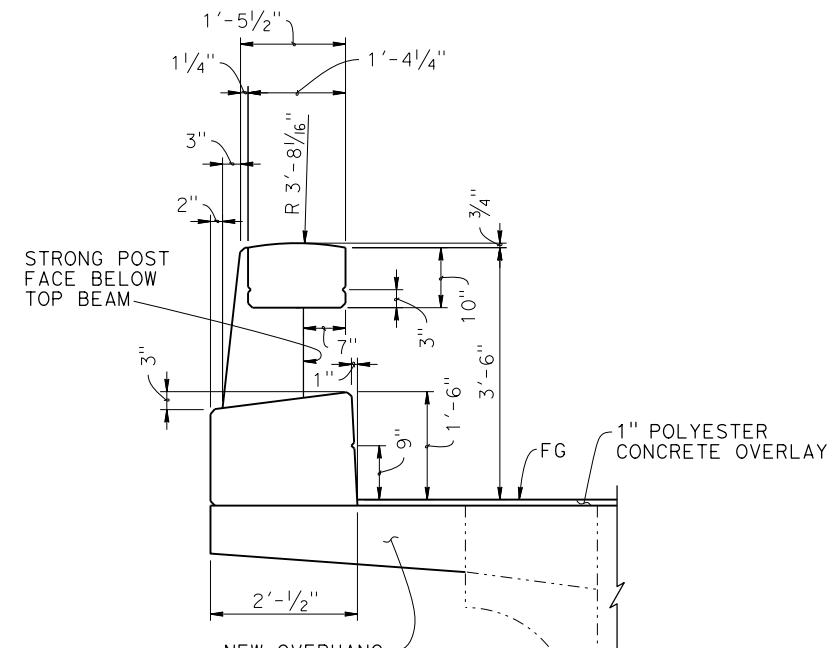
STRONG POST A TYPICAL

$\frac{3}{4}'' = 1'-0''$



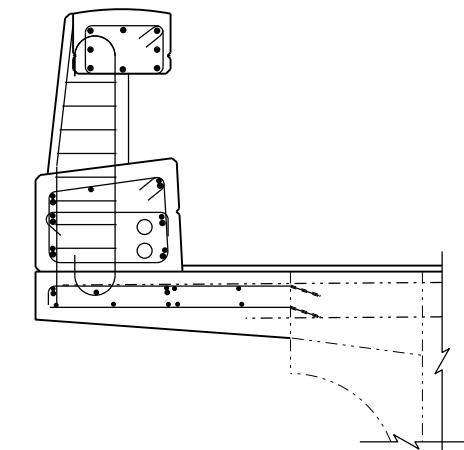
STRONG POST B TYPICAL

$\frac{3}{4}'' = 1'-0''$



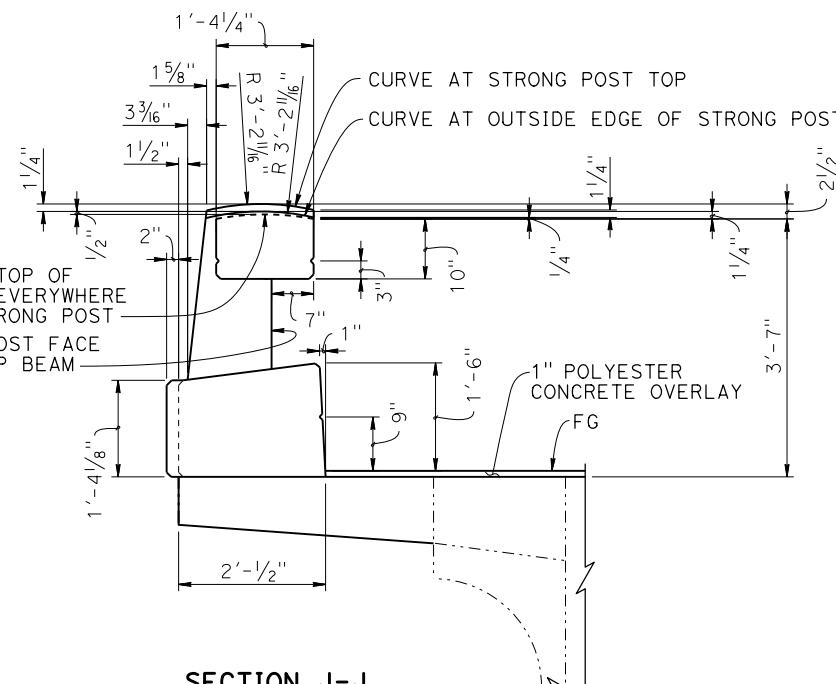
SECTION H-H

NOTE: Strong Post A cross section dimensions shown, Strong Post C similar.



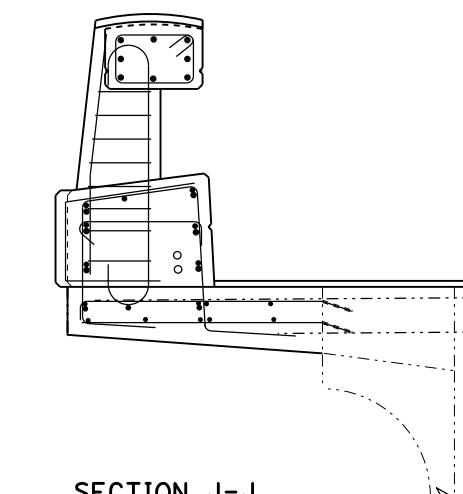
SECTION H-H

NOTE: Strong Post A rebar shown, Strong Post C similar.



SECTION J-J

NOTE: Strong Post B cross section dimensions shown, Strong Post D similar.

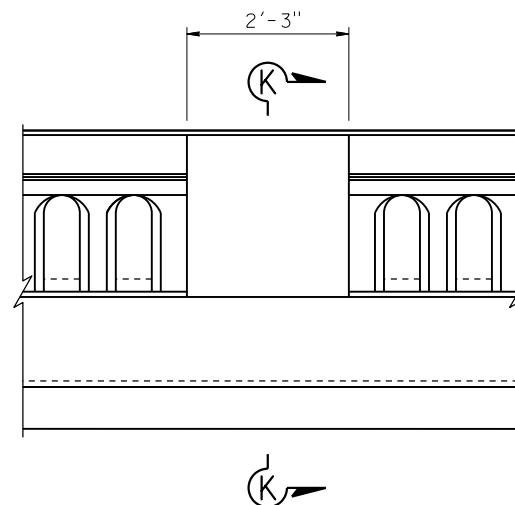


SECTION J-J

NOTE: Strong Post B rebar shown, Strong Post D similar.

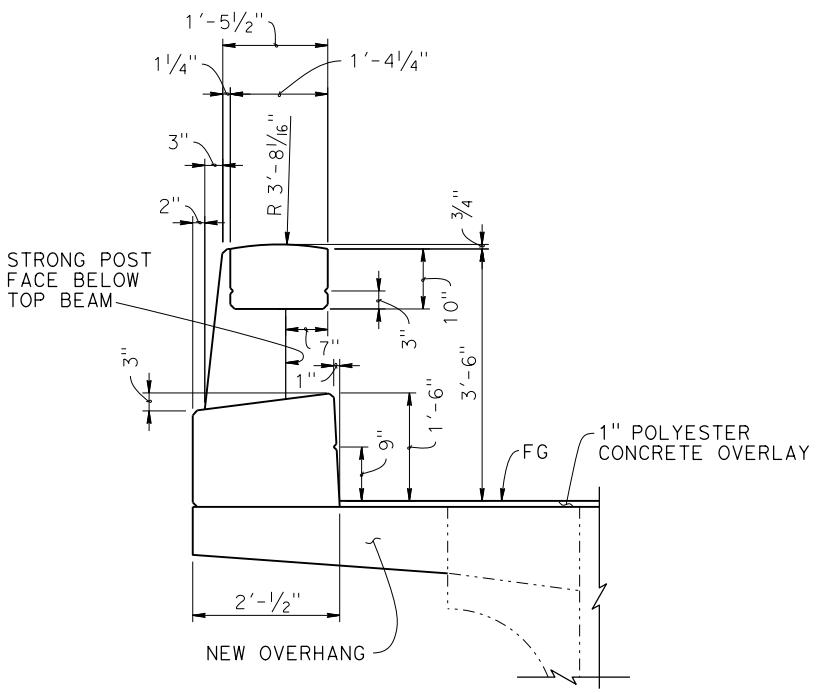
DESIGN BY Kimberly Mori CHECKED <input checked="" type="checkbox"/>	DETAILS BY David Elliott CHECKED <input checked="" type="checkbox"/>	QUANTITIES BY <input checked="" type="checkbox"/> X CHECKED <input checked="" type="checkbox"/>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES OFFICE OF DESIGN AND TECHNICAL SERVICES SPECIAL DESIGN BRANCH B	BRIDGE No. 44-0018	GARRAPATA CREEK BRIDGE			
					POST MILE 63.0	CONCRETE BARRIER TYPE 86H DETAILS No. 8			
					UNIT: 3619 PROJECT NUMBER & PHASE: 05160001631	COUNTY/ROUTE: Mon/1 CONTRACT No.: 05-1H8004			
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REVISION 3/10/2021)			DATE PLOTTED => 7-SEP-2022 FILE => 44-0018-c-sp08.dgn	TIME PLOTTED => 08:32 USERNAME => s123982	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES 8-5-22 8-8-22 9-2-22 X X			

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	HEET No.	TOTAL SHEETS
REGISTERED CIVIL ENGINEER			X	DATE	
PLANS APPROVAL DATE				X	
<p>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</p> 					



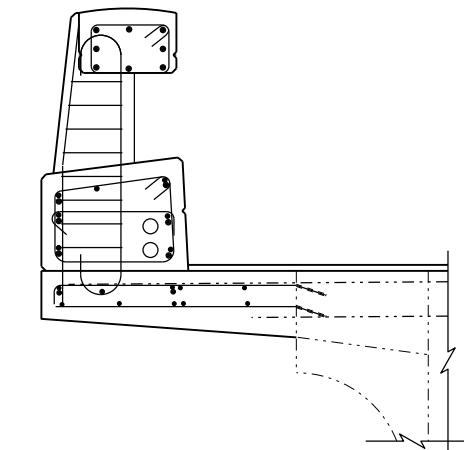
STRONG POST C TYPICAL

$$\frac{3}{4}'' = 1'-0''$$



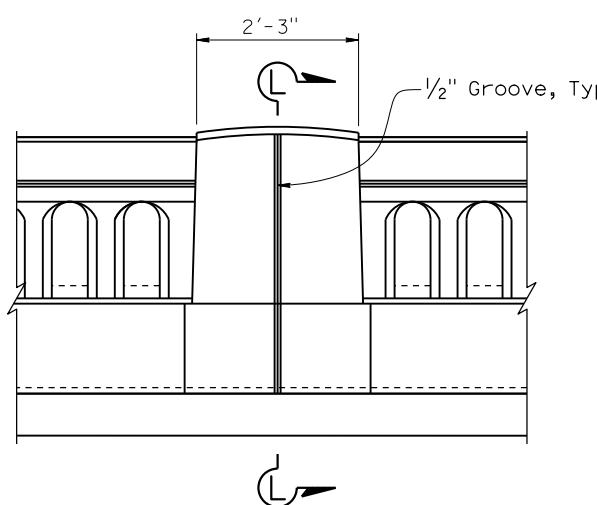
SECTION K-K

NOTE: Strong Post C cross section dimensions shown, Strong Post A similar.



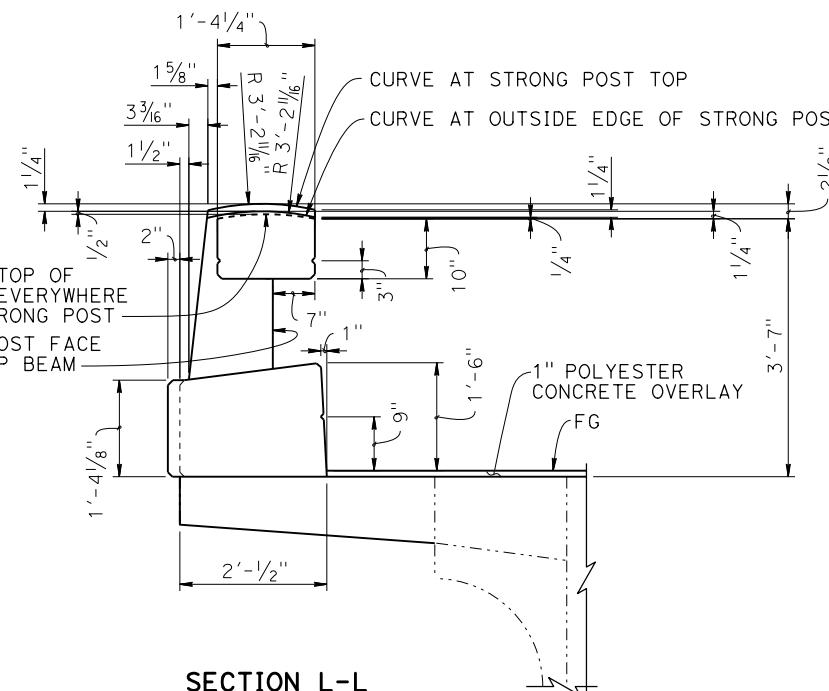
SECTION K-K

NOTE: Strong Post C rebar shown,
Strong Post A similar.



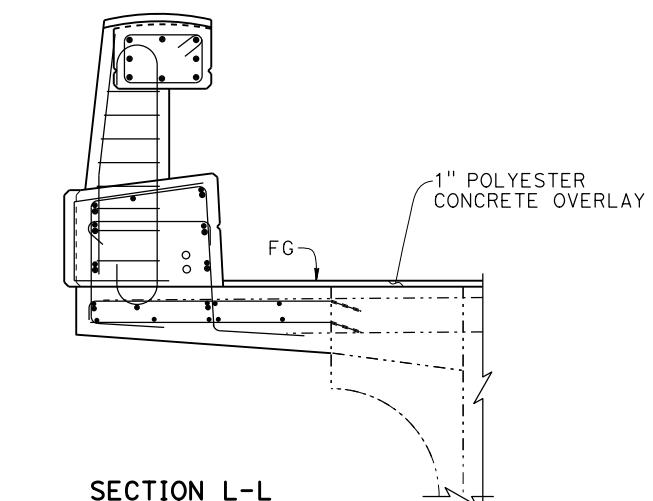
STRONG POST D TYPICAL

$$\frac{3}{4}'' = 1'-0''$$



SECTION L-L

NOTE: Strong Post D cross section dimensions shown, Strong Post B similar.



SECTION L-L

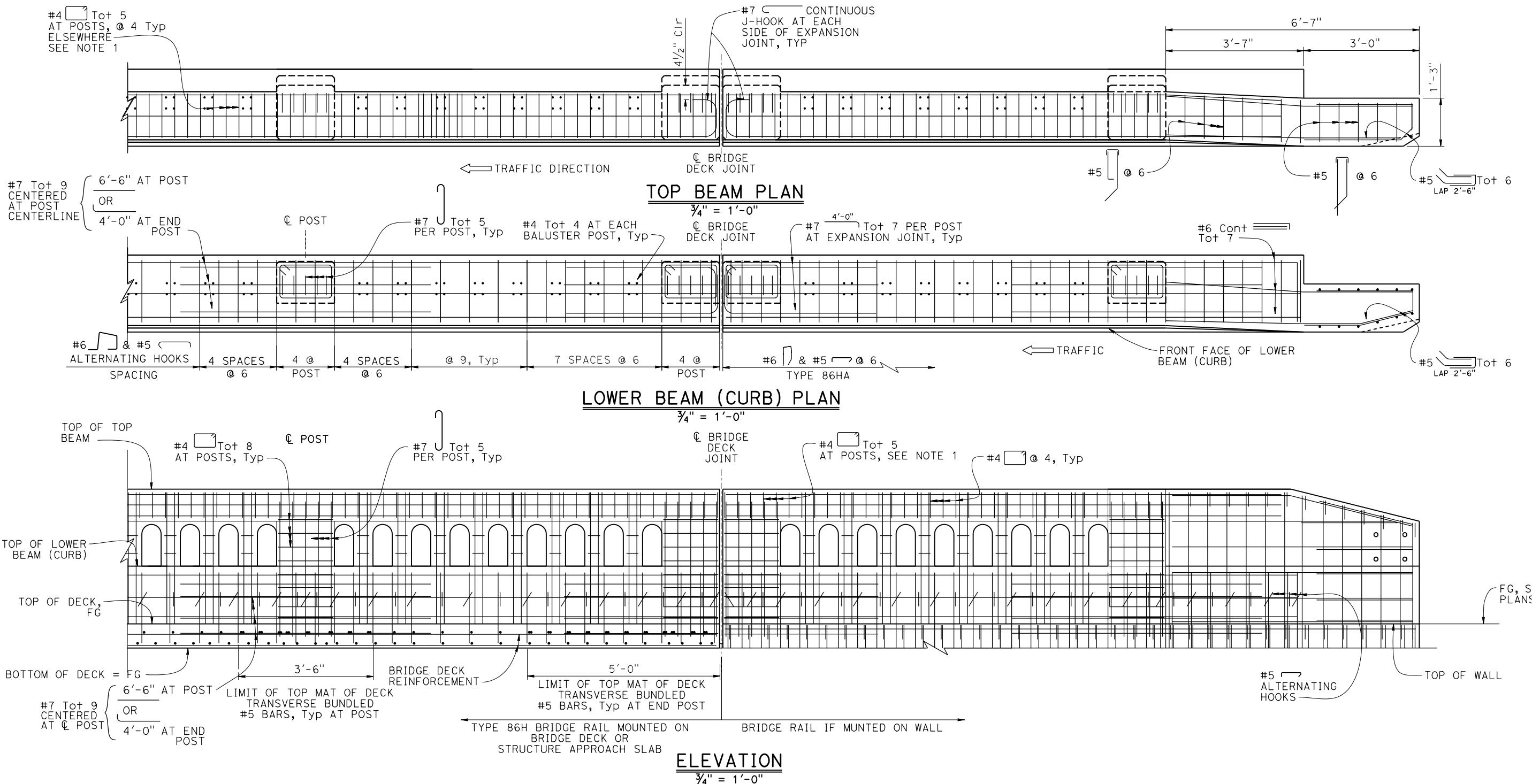
NOTE: Strong Post D cross section reinforcement shown, Strong Post B similar.

	DESIGN	BY Kimberly Mori	CHECKED X	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES OFFICE OF DESIGN AND TECHNICAL SERVICES SPECIAL DESIGN BRANCH B	BRIDGE NO. 44-0018	GARRAPATA CREEK BRIDGE							
	DETAILS	BY David Elliott	CHECKED X			POST MILE								
	QUANTITIES	BY X	CHECKED X			63.0								
CONCRETE BARRIER TYPE 86H DETAILS No. 9														
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REVISION 3/10/2021)			DATE PLOTTED => 7-SEP-2022 TIME PLOTTED => 08:32 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS FILE => 44-0018-c-sp09.dgn USERNAME => s123982			0 1 2 3 PROJECT NUMBER & PHASE: 05160001631			UNIT: 3619 COUNTY/ROUTE: Mon/1 CONTRACT No.: 05-1H8004		DISREGARD PRINTS BEARING EARLIER REVISION DATES 9-7-22		REVISION DATES	SHEET OF

NOTE

1. Adjust spacing of #4 hoops at post location as necessary to avoid locations of the drill and bond threaded rods attaching the tubular bicycle railing to the top of the top concrete beam. See the "TUBULAR BICYCLE RAILING DETAIL" on the "CONCRETE BARRIER TYPE 86H DETAILS No. 5" sheet.

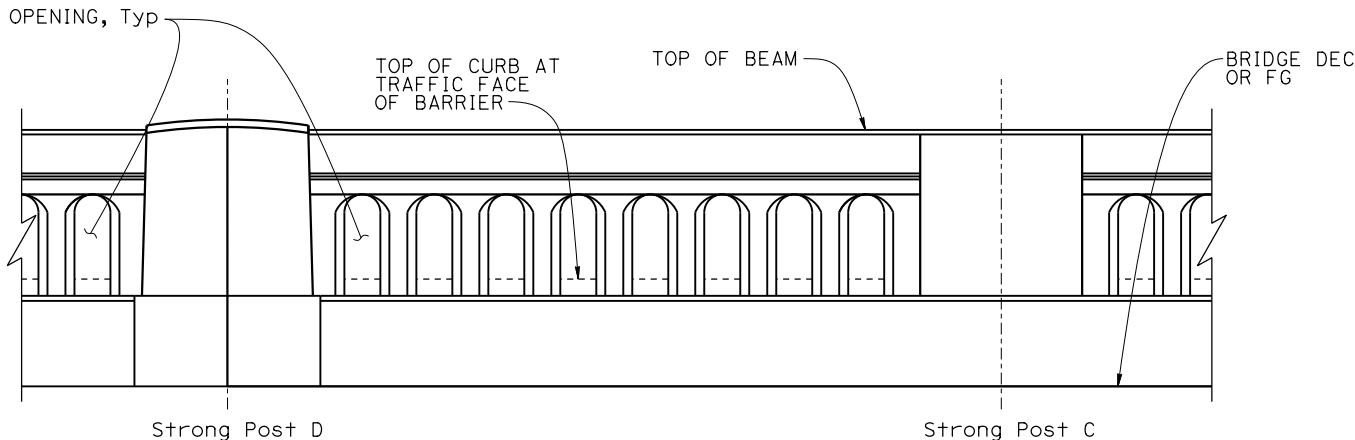
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	HEET No.	TOTAL SHEETS
REGISTERED CIVIL ENGINEER			X	DATE	
PLANS APPROVAL DATE			X	NO. X	
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.			X	EXP. X	
			CIVIL		
			STATE OF CALIFORNIA		



	DESIGN	BY Kimberly Mori	CHECKED X	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING SERVICES OFFICE OF DESIGN AND TECHNICAL SERVICES SPECIAL DESIGN BRANCH B	BRIDGE No. 44-0018	GARRAPATA CREEK BRIDGE CONCRETE BARRIER TYPE 86H DETAILS No. 10						
	DETAILS	BY David Elliott	CHECKED X		POST MILE							
	QUANTITIES	BY X	CHECKED X		63.0							
DATE PLOTTED => 7-SEP-2022 TIME PLOTTED => 08:32 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0				1	2	3	UNIT: 3619 PROJECT NUMBER & PHASE: 05160001631	COUNTY/ROUTE: Mon/1 CONTRACT No.: 05-1H8004	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET	OF
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REVISION 3/10/2021) FILE => 44-0018-c-sp10.dgn				8-5-22		X	X					

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER DATE
PLANS APPROVAL DATE NO.
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS
SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR
COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.
REGISTERED PROFESSIONAL ENG. ING.
No. Exp.
CIVIL
STATE OF CALIFORNIA



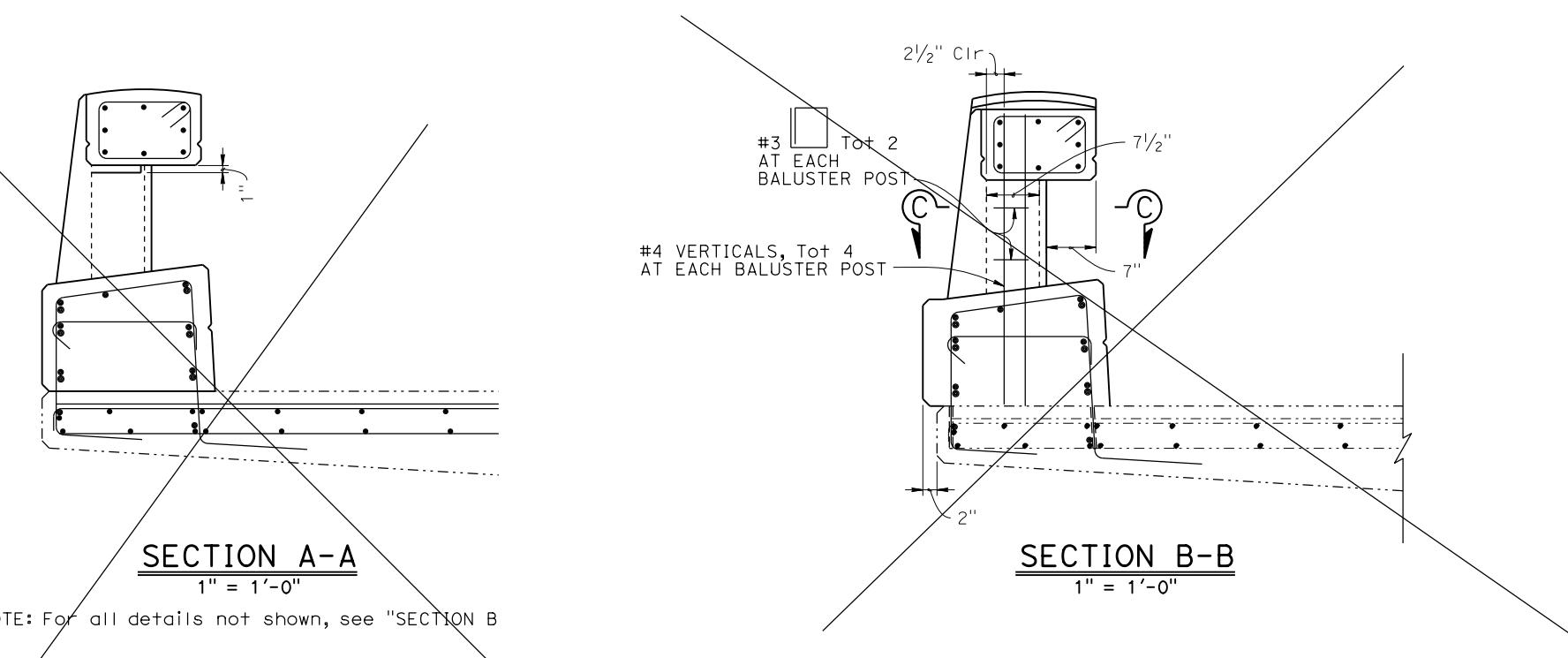
NOTES:

1. For "SECTION A-A" and "SECTION B-B" location see "CONCRETE BARRIER TYPE 86H No. 1" sheet.
2. For details not shown, see other sheets.

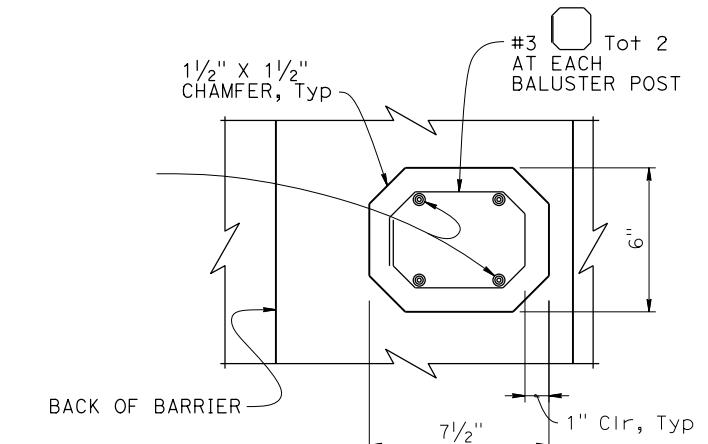
ELEVATION WITH CHAMFERED BALUSTERS

CLEAR OPENINGS & BALUSTERS

3/4" = 1'-0"



NOTE: For all details not shown, see "SECTION B"



SECTION C-C
3" = 1'-0"

DESIGN BY Kimberly Mori CHECKED <input checked="" type="checkbox"/>	DETAILS BY David Elliott CHECKED <input checked="" type="checkbox"/>	QUANTITIES BY X CHECKED <input checked="" type="checkbox"/>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES OFFICE OF DESIGN AND TECHNICAL SERVICES SPECIAL DESIGN BRANCH B	BRIDGE No. 44-0018	GARRAPATA CREEK BRIDGE	
					POST MILE 63.0	CONCRETE BARRIER TYPE 86H DETAILS No. 11	
					UNIT: 3619 PROJECT NUMBER & PHASE: 05160001631	COUNTY/ROUTE: Mon/1 CONTRACT No.: 05-1H8004	DISREGARD PRINTS BEARING EARLIER REVISION DATES 8-5-22 8-8-22 X X
STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REVISION 3/10/2021)	DATE PLOTTED => 7-SEP-2022 FILE => 44-0018-c-sp11.dgn	TIME PLOTTED => 08:32 USERNAME => s123982	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	REVISION DATES 8-5-22 8-8-22 X X	SHEET OF 1	

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	LAYOUT
3	UTILITY PLAN
4	CONSTRUCTION AREA SIGNS
5-6	STAGE CONSTRUCTION
7-12	TRAFFIC HANDLING PLAN
13	TRAFFIC HANDLING QUANTITIES
14	PAVEMENT DELINEATION AND SIGN PLAN
15	PAVEMENT DELINEATION QUANTITIES
16	SIGN DETAILS
17	SIGN QUANTITIES
18	SUMMARY OF QUANTITIES
19	EROSION CONTROL LEGEND
20-24	TEMPORARY SIGNAL SYSTEMS
25-26	ELECTRICAL DETAILS
27	ELECTRICAL SYSTEMS QUANTITIES
	STRUCTURE PLANS
28	GENERAL PLAN

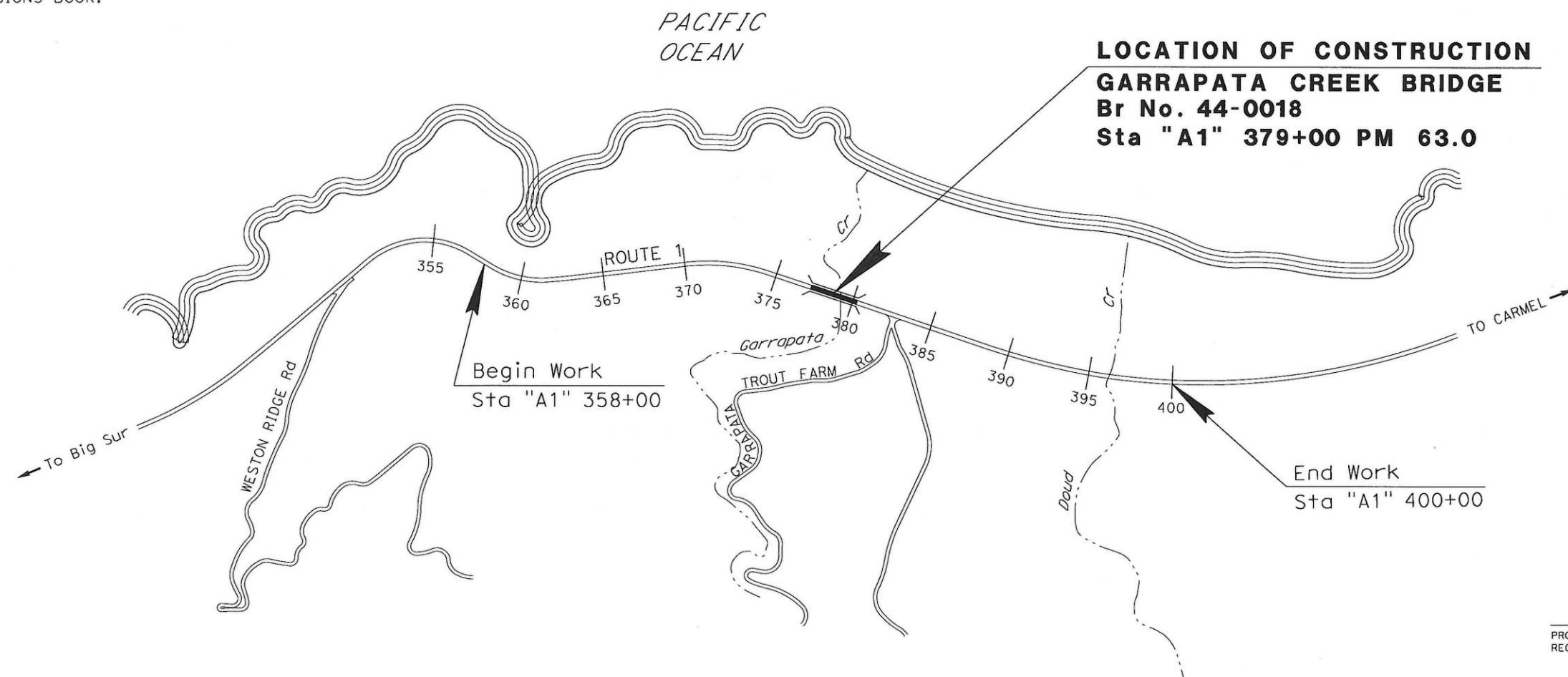
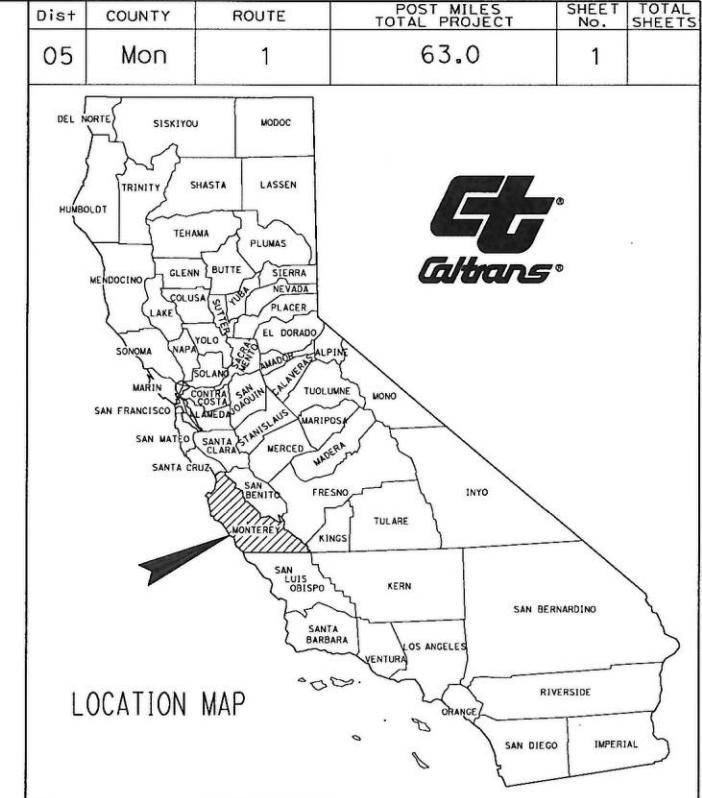
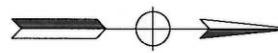
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT
IS INCLUDED IN THE NOTICE TO BIDDERS
AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY

IN MONTEREY COUNTY
ABOUT 11.3 MILES SOUTH OF CARMEL
AT GARRAPATA CREEK BRIDGE

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2018

60% PLANS- NOT FOR CONSTRUCTION



PROJECT MANAGER
CARLA YU

DESIGN MANAGER
JOSE HUERTA

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES)
OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

PROJECT ENGINEER
REGISTERED CIVIL ENGINEER
No. _____
Exp. _____
CIVIL
REGISTERED PROFESSIONAL ENGINEER
No. _____
Exp. _____
CIVIL
STATE OF CALIFORNIA
PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS
OFFICERS OR AGENTS SHALL NOT BE
RESPONSIBLE FOR THE ACCURACY OR
COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CONTRACT No. **05-1H8004**
PROJECT ID **0516000163**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

CALCULATED-
DESIGNED BY
CHECKED BY

HUY HA
JOSE HUERTA

REVISED BY
DATE REVISED

HUY HA
00-00-00

NOTES:

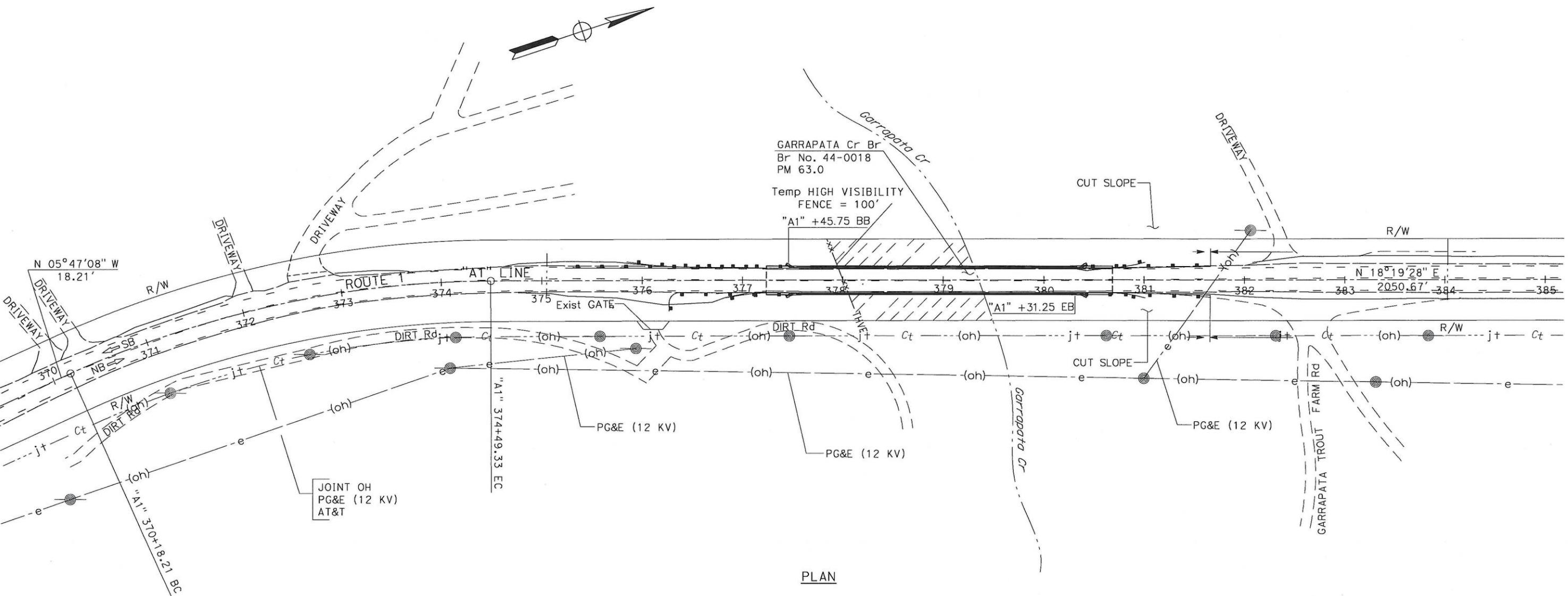
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. UTILITIES SHOWN ON THIS PLAN ARE EXISTING AND ARE FOR INFORMATION PURPOSES ONLY.
3. UTILITIES OWNERSHIP ON THIS PROJECT AS SHOWN:
ELECTRICAL - PACIFIC GAS & ELECTRIC PG&E
TELEPHONE - AMERICAN TELEPHONE & TELEGRAPH AT&T

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	63.0	3	

REGISTERED CIVIL ENGINEER DATE
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
No. _____
Exp. _____
CIVIL
STATE OF CALIFORNIA



GARRAPATA CREEK BRIDGE AT PM 63.0

THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

UTILITY PLAN
SCALE 1" = 50' **U-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	QUAY CHESTER
CS Trans TRAFFIC DESIGN	MOHAMMED QATAMI	CHECKED BY	FAWZI YAGHOUR

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN NO. <input checked="" type="checkbox"/>	SIGN DESIGNATION	SIGN MESSAGE	PANEL SIZE	No. OF POSTS AND POST SIZE	No. OF SIGNS
1	W20-1	ROAD WORK AHEAD	48"x48"	1-6"x6"	2
2	G20-2	END ROAD WORK	36"x18"	1-4"x4"	2
3	C47B (CA)	CONSTRUCTION PROJECT FUNDING IDENTIFICATION SIGN	48"x30"	1-4"x6"	2

NOTE: SIGN LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.

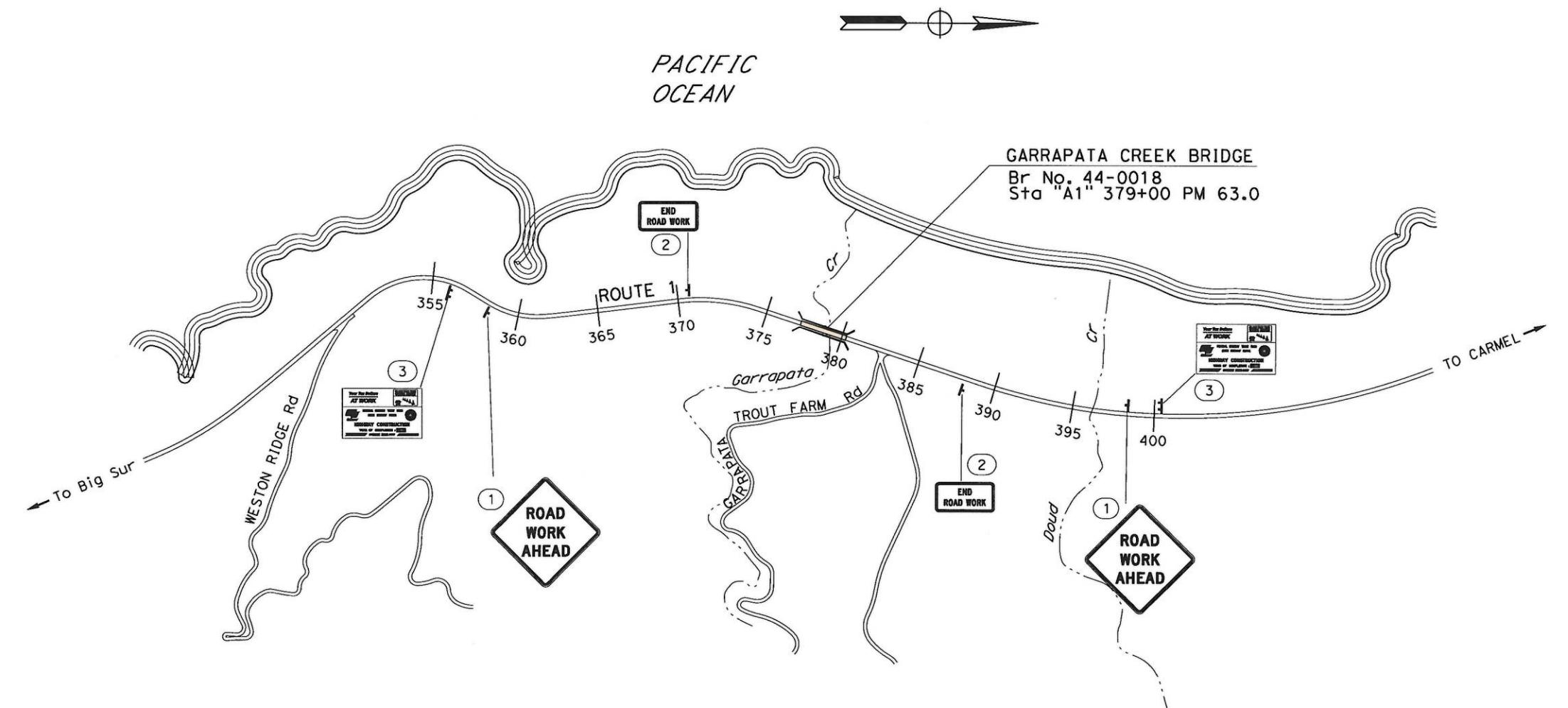
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	Sheet No.	Total Sheets
05	Mon	1	63.00	4	

REGISTERED CIVIL ENGINEER DATE
QUAY F. CHESTER No. 92096 Exp 03/31/23

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENCIES SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
CIVIL STATE OF CALIFORNIA



CONSTRUCTION AREA SIGNS

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

NO SCALE

CS-1

STATE OF CALIFORNIA -	DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	JOSE HUERTA
Caltrans	DESIGN		

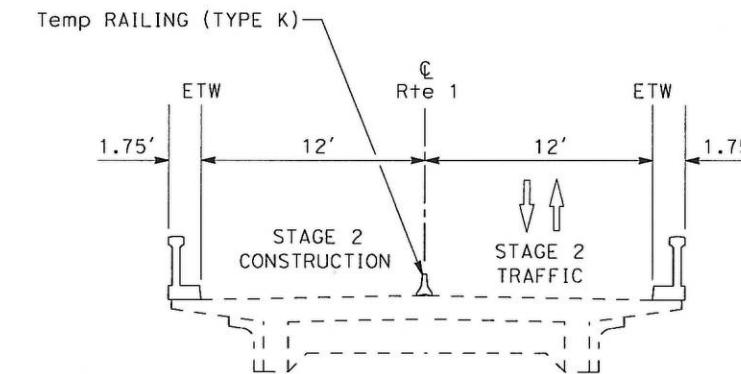
NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. SEE TRAFFIC HANDLING PLAN FOR THE LENGTH OF K-RAIL.
3. SEE TRAFFIC LAYOUT PLAN FOR THE LENGTH OF TEMPORARY HIGH VISIBILITY FENCE AND AREA OF TEMPORARY CONSTRUCTION EASEMENT.

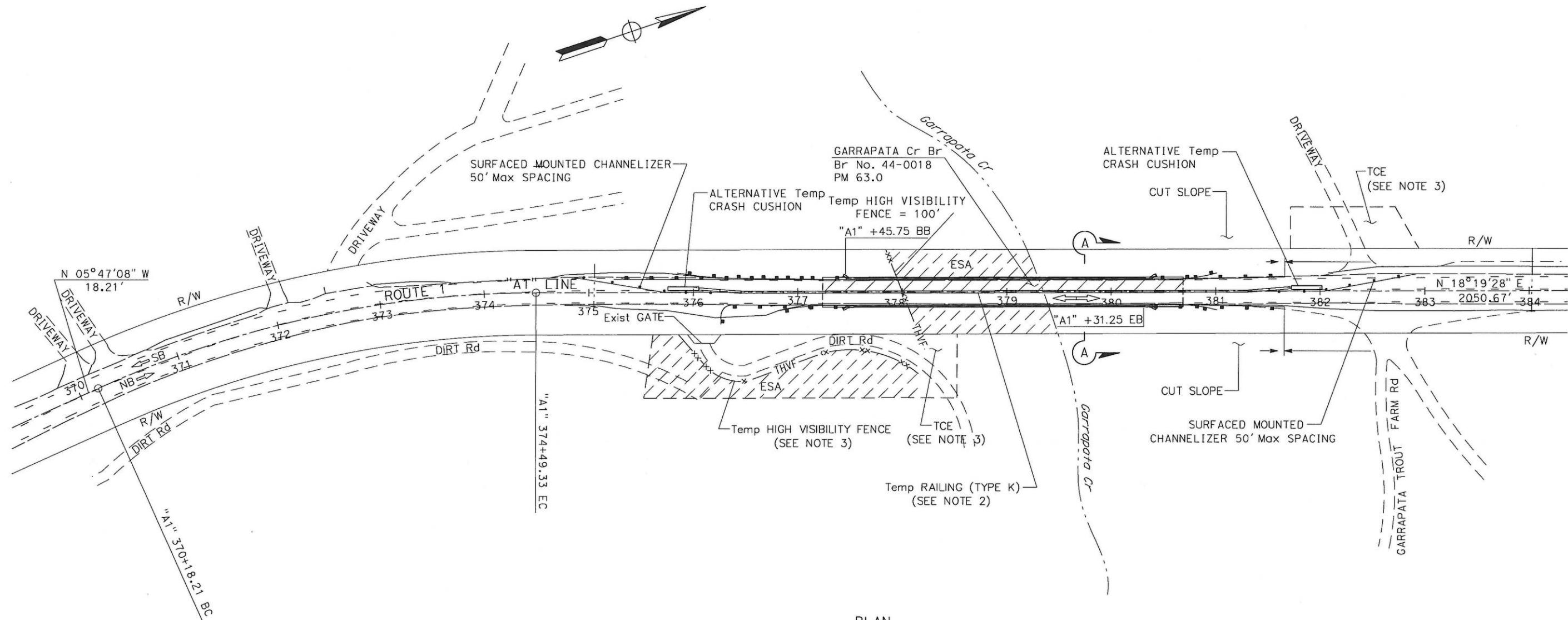
LEGEND:



CONSTRUCT THIS STAGE



SECTION A-A



PLAN

GARRAPATA CREEK BRIDGE AT PM 63.0
(STAGE 2)

APPROVED FOR STAGE CONSTRUCTION WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	63.0	6	

REGISTERED CIVIL ENGINEER DATE
PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
No. _____
Exp. _____
CIVIL
STATE OF CALIFORNIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION FUNCTIONAL SUPERVISOR CALCULATED-DESIGNED BY CHECKED BY

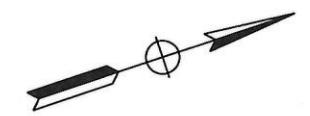
Caltrans® TRAFFIC DESIGN MOHAMMED QATAMI QUAY CHESTER FAWZI YAGHMOUR

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
3. ADDITIONAL SIGNS MAY BE INSTALLED ON THE MAINLINE, AND OTHER LOCATIONS, AS DETERMINED BY THE ENGINEER.
4. FOR ADDITIONAL CONSTRUCTION AREA SIGNS, REFER TO CONSTRUCTION AREA SIGN PLAN.

ABBREVIATIONS:

Rem - REMOVE



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	63.00	7	

REGISTERED CIVIL ENGINEER DATE
QUAY F. CHESTER No. 92096 Exp. 03/31/23

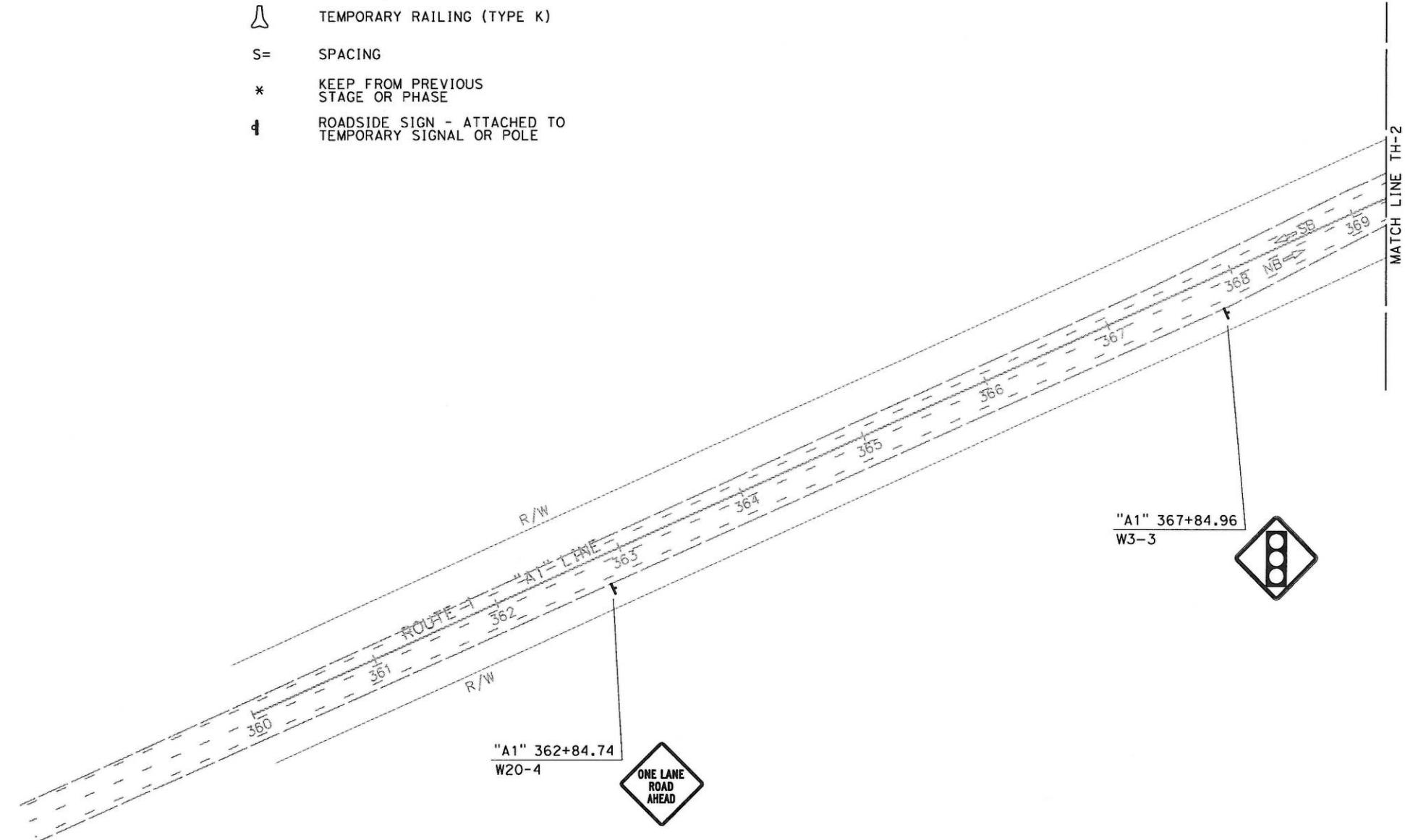
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
CIVIL STATE OF CALIFORNIA

LEGEND:

	CONSTRUCT THIS STAGE
	CHANNELIZER (SURFACE MOUNTED)
	A1 Temp CRASH CUSHION
	TEMPORARY RAILING (TYPE K)
	SPACING
	KEEP FROM PREVIOUS STAGE OR PHASE
	ROADSIDE SIGN - ATTACHED TO TEMPORARY SIGNAL OR POLE



APPROVED FOR TRAFFIC HANDLING WORK ONLY

**TRAFFIC HANDLING PLAN
STAGE 1**

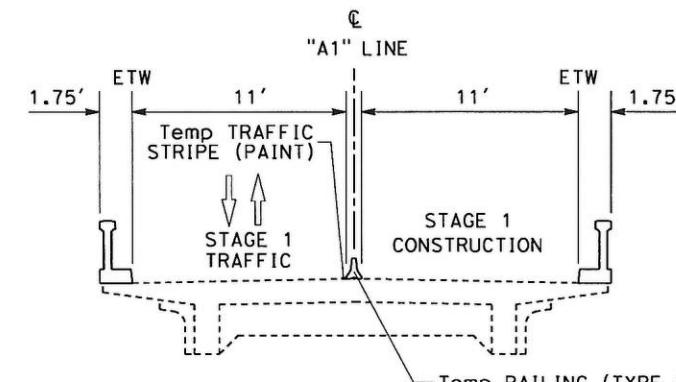
SCALE: 1" = 50'

TH-1

STATE OF CALIFORNIA -	DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	QUAY CHESTER	REvised BY
Caltrans	TRAFFIC DESIGN		CHECKED BY	FAWZI YAGHMOUR	DATE REVISED

NOTES:

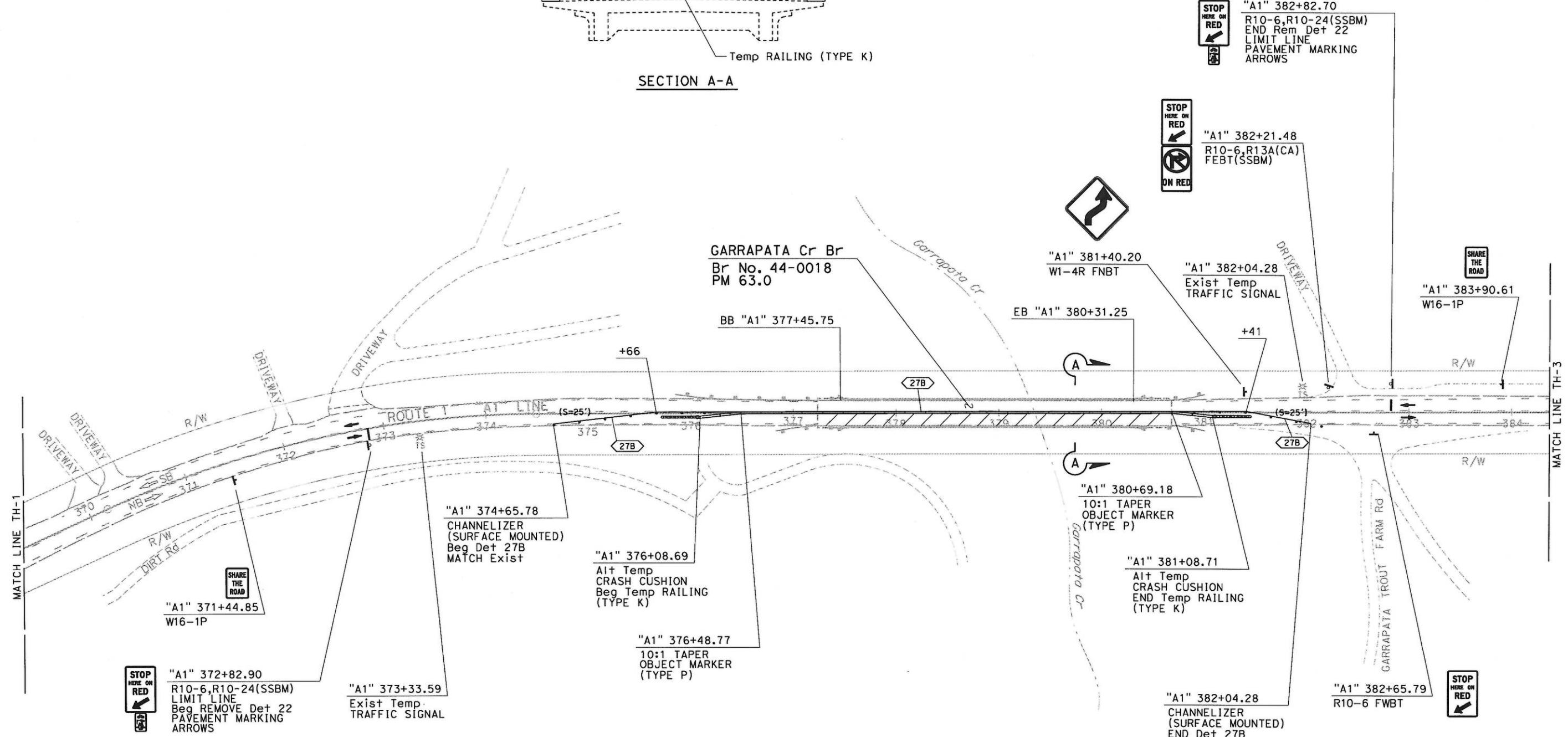
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	Sheet No.	Total Sheets
05	Mon	1	63.00	8	

REGISTERED CIVIL ENGINEER DATE
QUAY F. CHESTER 03/31/23
No. 92096
Exp. 03/31/23
CIVIL
STATE OF CALIFORNIA

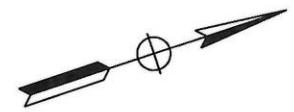
PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



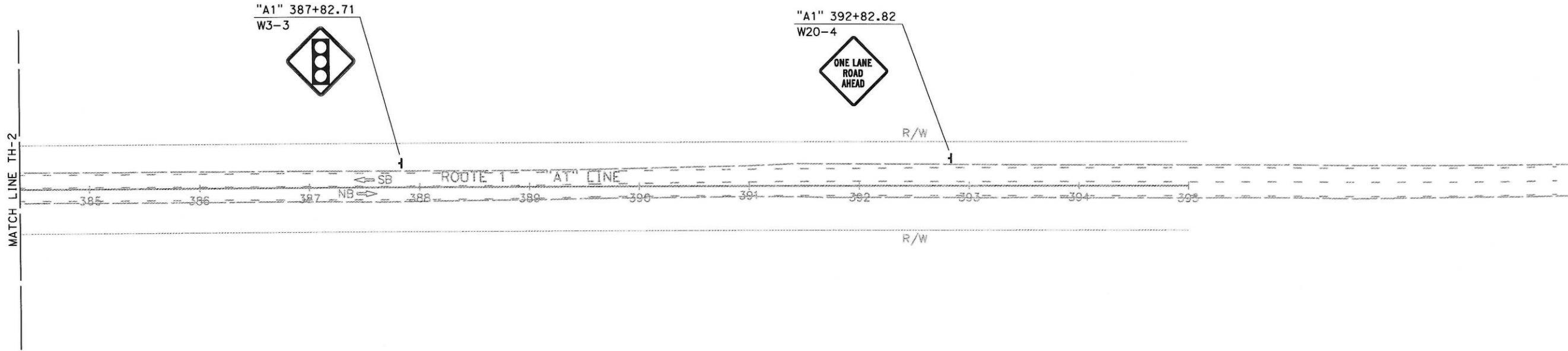
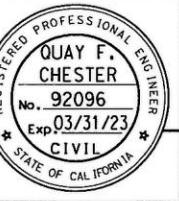
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	ROUTE	POST MILES TOTAL PROJECT	Sheet No.	TOTAL SHEETS
CDOT	TRAFFIC DESIGN	MOHAMMED QATAMI	W3-3	1	63.00	9

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



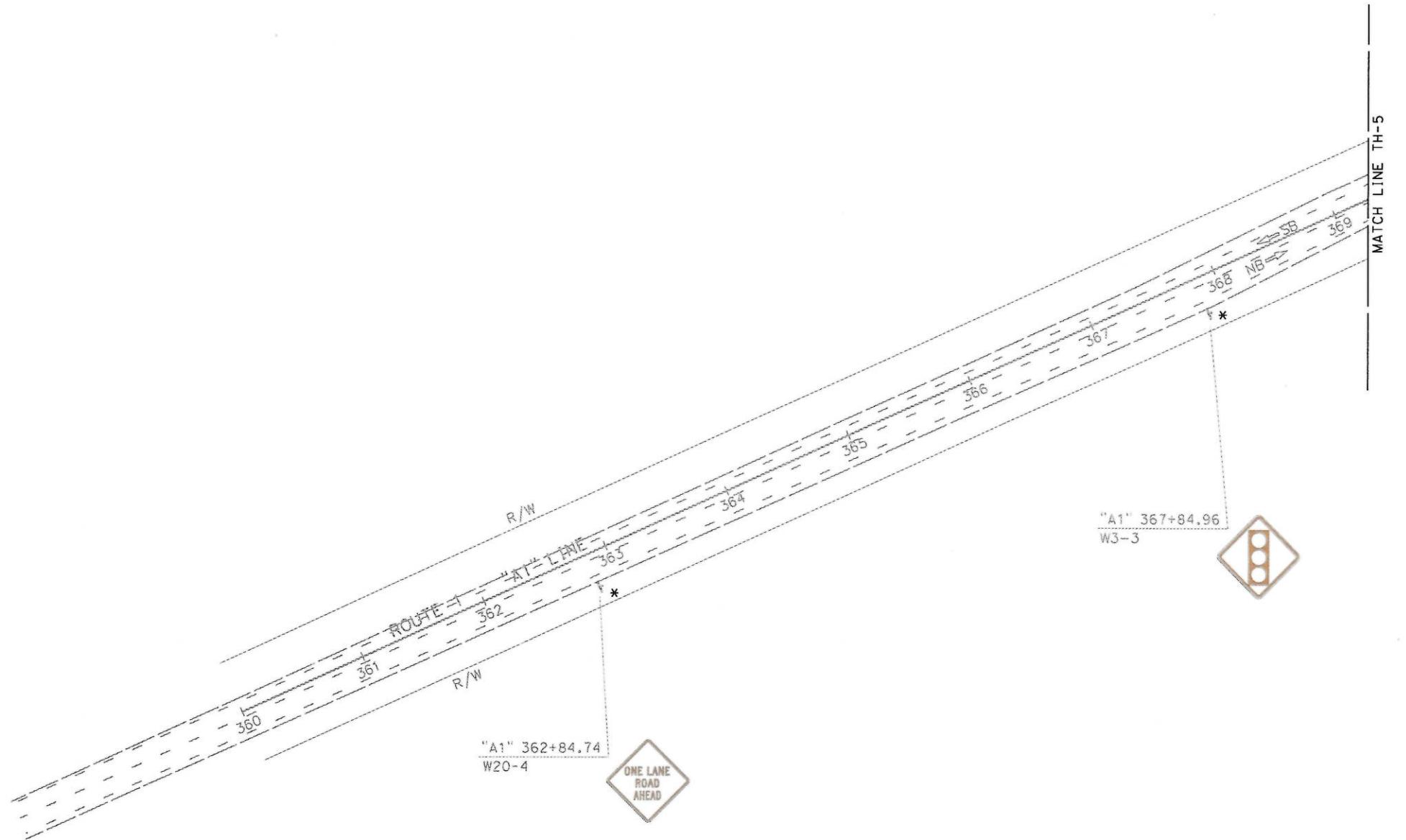
Dist	County	Route	Post Miles	Sheet No.	Total Sheets
05	Mon	1	63.00	9	
			REGISTERED CIVIL ENGINEER	DATE	03/31/23
			QUAY F. CHESTER	No.	92096
			CIVIL	Exp.	*
			THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.		



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	QUAY CHESTER	REVISED BY	
TRANS	TRAFFIC DESIGN	CHECKED BY	FAWZI YAGHMOUR	DATE REVISED	

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



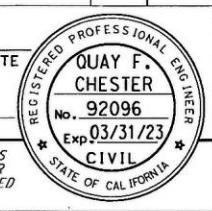
**TRAFFIC HANDLING PLAN
STAGE 2**

SCALE: 1" = 50'

TH-4

APPROVED FOR TRAFFIC HANDLING WORK ONLY

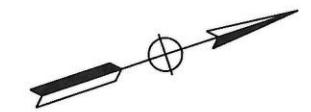
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	63.00	10	
			REGISTERED CIVIL ENGINEER DATE		
			QUAY F. CHESTER	03/31/23	
			No. 92096	CIVIL	
			REGISTERED PROFESSIONAL ENGINEER		
			PLANS APPROVAL DATE		
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					



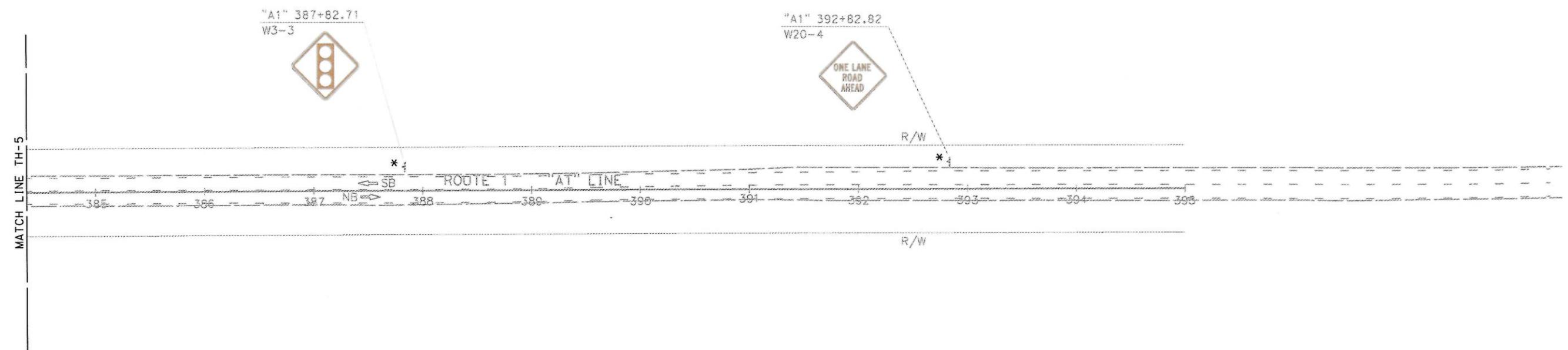
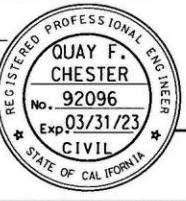
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
Caltrans®	MOHAMMED QATAMI	FAWZI YAGHMOUR	1	63.00	12	

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	Mon	1	63.00	12	
REGISTERED CIVIL ENGINEER			DATE	QUAY F. CHESTER	
				No. 92096	Exp. 03/31/23
PLANS APPROVAL DATE			CIVIL		
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					



**TRAFFIC HANDLING PLAN
STAGE 2**

SCALE: 1" = 50'

TH-6

APPROVED FOR TRAFFIC HANDLING WORK ONLY

SHEET No.	STAGE	LOCATION		DIRECTION	DETAIL No.	DESCRIPTION					
		STA				TEMPORARY TRAFFIC STRIPE (TAPE)	REMOVE PAVEMENT MARKER*	REMOVE THERMOPLASTIC TRAFFIC STRIPE*	TEMPORARY PAVEMENT MARKING (TAPE)		
		FROM	TO								
TH-2	1	"A1"	372+83	372+83	NB			12	LIMIT LINE		
			372+83	372+84	NB/SB			28	TYPE 1 ARROWS		
			372+83	382+83	NB/SB	22	86	2,000			
			374+66	382+04	NB	27B	739				
			382+83	382+83	SB			12	LIMIT LINE		
			382+83	382+83	NB/SB			28	TYPE 1 ARROWS		
TH-5	2	"A1"	374+66	382+04	SB	27B	738				
TOTAL				1,477	86	2,000	80				

* QUANTITY ADDED TO SHEET PDQ-1

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS (TRAFFIC HANDLING)

SHEET No.	STAGE	SIGN No.	SIGN DESIGNATION	SIGN MESSAGE	PANEL SIZE	No. OF POSTS AND SIZE	No. OF SIGNS
TH-1	1	1	W20-4	ONE LANE ROAD AHEAD	36"x36"	1-4"x6"	1
		2	W3-3	SIGNAL AHEAD SYMBOL	36"x36"	1-4"x6"	1
		3	R10-24	BIKE PUSH BUTTON FOR GREEN LIGHT	9"x15"	1-4"x6"	1
		3	R10-6	STOP HERE ON RED WITH ARROW	24"x36"	1-4"x6"	1
		4	R10-24	STOP HERE ON RED WITH ARROW	24"x36"	1-4"x6"	1
		4	W16-1P	BIKE PUSH BUTTON FOR GREEN LIGHT	9"x15"	1-4"x6"	1
TH-2	1	4	W16-1P	SHARE THE ROAD PLAQUE	18"x24"	1-4"x4"	1
		4	W16-1P	SHARE THE ROAD PLAQUE	18"x24"	1-4"x4"	1
		5	W1-4R	REVERSE RIGHT CURVE	36"x36"	1-4"x6"	1
		6	R13A (CA)	NO RIGHT TURN ON RED	24"x36"	1-4"x6"	1
		6	R10-6	STOP HERE ON RED WITH ARROW	24"x36"	1-4"x6"	1
		7	R10-6	STOP HERE ON RED WITH ARROW	24"x36"	1-4"x6"	1
TH-3	1	1	W20-4	ONE LANE ROAD AHEAD	36"x36"	1-4"x6"	1
		2	W3-3	SIGNAL AHEAD SYMBOL	36"x36"	1-4"x6"	1
TH-5	2	1	W1-4R	REVERSE RIGHT CURVE	36"x36"	1-4"x6"	1
TOTAL							12

TEMPORARY CRASH CUSHION AND CHANNELIZER

SHEET No.	STAGE	ALTERNATIVE TEMPORARY CRASH CUSHION	CHANNELIZER (SURFACE MOUNTED)
		EA	EA
TH-2	1	2	14
TH-5	2	2	14
TOTAL		4	28

TEMPORARY RAILING

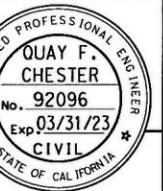
SHEET No.	STAGE	STATION		TEMPORARY RAILING (TYPE K)	OBJECT MARKER (TYPE P) *
		FROM	TO		
TH-2	1	"A1"	376+09	381+09	500
TH-5	2	"A1"	376+09	376+49	40
TOTAL				580	4

* QUANTITY ADDED TO SHEET SQ-1

TRAFFIC HANDLING QUANTITIES

THQ-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	63.00	13	
REGISTERED CIVIL ENGINEER			DATE		
QUAY F. CHESTER No. 92096 Exp. 03/31/23			REGISTERED PROFESSIONAL ENGINEER		
CIVIL			STATE OF CALIFORNIA *		
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					



STATE OF CALIFORNIA -	DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	QUAY CHESTER	REVISED BY	
CH2M	TRAFFIC DESIGN		CHECKED BY	MOHAMMED QATAMI	FAWZI YAGHOUR	DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	63.00	15	
REGISTERED CIVIL ENGINEER DATE			QUAY F. CHESTER No. 92096 Exp 03/31/23		
PLANS APPROVAL DATE			* CIVIL STATE OF CALIFORNIA		
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					

LAST REVISION DATE PLOTTED => 1/24/2022
00-00-00 TIME PLOTTED => 9:56:25 AM

PAVEMENT DELINEATION QUANTITIES

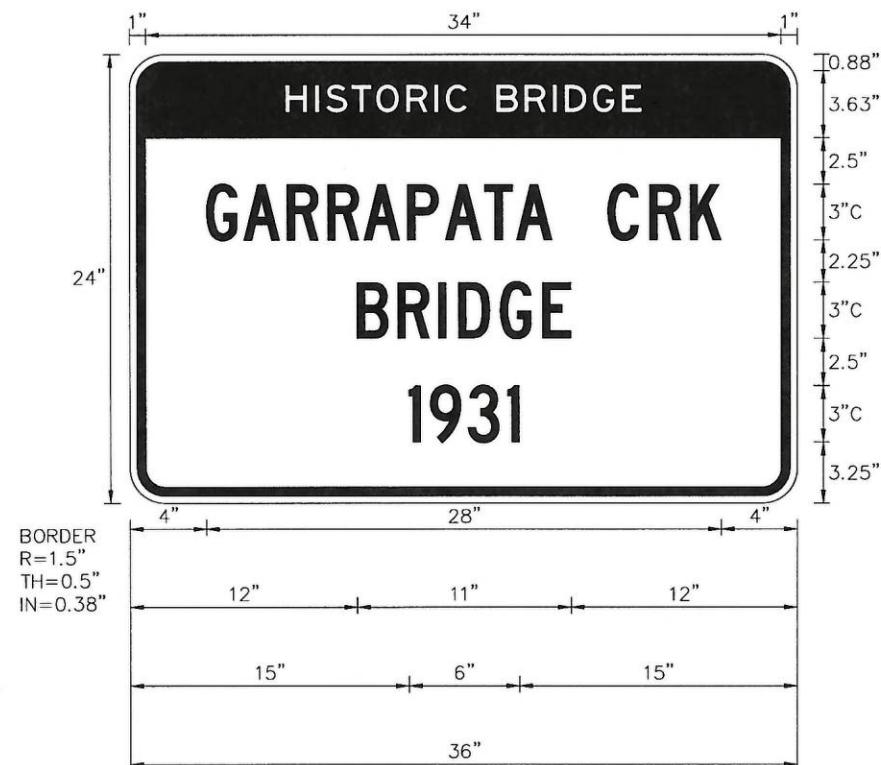
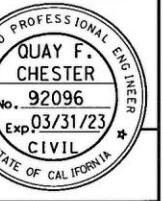
SHEET No.	ROUTE	LOCATION		DIRECTION	DETAIL No.	PAVEMENT MARKER (RETRO- REFLECTIVE)	6" THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY)		6" TRAFFIC STRIPE WITH CONTRAST TAPE REMOVE PAVEMENT MARKER	REMOVE THERMOPLASTIC TRAFFIC STRIPE	TYPE E	GUARD RAILING DELINERATOR					
							SOLID										
		STA	FROM				WHITE	YELLOW									
PD-1	1	"A1"	372+85	377+24	NB/SB	27B	878		878		9						
			377+24	380+69	NB/SB	27B			690								
			380+69	383+93	NB/SB	27B	649			649							
			382+83	383+93	NB/SB	22				12		221					
			372+85	383+93	NB/SB	22	96		2,217								
			SUBTOTAL				96	1,527	2,217	690	12	1,748	9				
FROM SHEET TH0-1										86	2,000						
TOTAL							96	3,744	690	98	3,748	9					

PAVEMENT DELINEATION QUANTITIES

PDQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
Caltrans®	MOHAMMED QATAMI	QUAY CHESTER	1	63.00	16	
TRAFFIC DESIGN	FAWZI YAGHMOUR	DATE No. 92096 Exp. 03/31/23				

REGISTERED CIVIL ENGINEER	DATE
QUAY F. CHESTER	No. 92096
PLANS APPROVAL DATE	Exp. 03/31/23
CIVIL	
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.	



S29-1 (CA)

SIGN DETAILS

NO SCALE

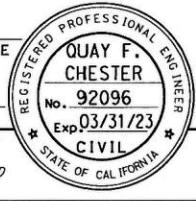
SD - 1

LAST REVISION DATE PLOTTED => 1/24/2022

00-00-00 TIME PLOTTED => 9:56:26 AM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	QUAY CHESTER	REVISED BY	
Caltrans®	MOHAMMED QATAMI	CHECKED BY	FAWZI YAGHOUR	DATE REVISED	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	63.00	17	
REGISTERED CIVIL ENGINEER			DATE	QUAY F. CHESTER	
				No. 92096	
			Exp 03/31/23	CIVIL	
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					



ROADSIDE SIGN QUANTITIES

SHEET No.	SIGN No.	SIGN DESIGNATION	SIGN MESSAGE	PANEL SIZE	No. OF POSTS AND POST SIZE	BACKGROUND	LEGEND	RETROREFLECTIVITY ASTM TYPE		RETROREFLECTIVITY ASTM TYPE		FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)		ROADSIDE SIGN - ONE POST EA	REMOVE ROADSIDE SIGN EA	OBJECT MARKER (TYPE L-1) EA	OBJECT MARKER (TYPE P) EA
								SHEETING COLOR	RETROREFLECTIVITY ASTM TYPE	SHEETING COLOR	RETROREFLECTIVITY ASTM TYPE	SQFT	TYPE				
PD-1		L-1 (CA)	TYPE L OBJECT MARKER	8"x24"	1-TS2.5"x2.5"	FY	XI	BLACK		0.50		1	1				
		L-1 (CA)	TYPE L OBJECT MARKER	8"x24"	1-TS2.5"x2.5"	FY	XI	BLACK		0.50		1	1				
		L-1 (CA)	TYPE L OBJECT MARKER	8"x24"	1-TS2.5"x2.5"	FY	XI	BLACK		0.50		1	1				
	S1-1	P (CA)	TYPE P OBJECT MARKER	12"x36"	1-TS2.5"x2.5"	FY	XI	BLACK		3.00		1	1				
	S1-2	P (CA)	TYPE P OBJECT MARKER	12"x36"	1-TS2.5"x2.5"	FY	XI	BLACK		3.00		1	1				
	S1-3	S29-1 (CA)	HISTORIC BRIDGE	36"x24"	1-TS2.5"x2.5"	CREAM	XI	BROWN	XI	6.00	1	1					
	S1-4	S29-1 (CA)	HISTORIC BRIDGE	36"x24"	1-TS2.5"x2.5"	CREAM	XI	BROWN	XI	6.00	1	1					
	S1-5	P (CA)	TYPE P OBJECT MARKER	12"x36"	1-TS2.5"x2.5"	FY	XI	BLACK		3.00		1	1				
	S1-6	P (CA)	TYPE P OBJECT MARKER	12"x36"	1-TS2.5"x2.5"	FY	XI	BLACK		3.00		1	1				
	S1-7	G11-7 (CA)	1 MON 63.00	8"x24"	1-TS2.5"x2.5"	WHITE	IX	BLACK		1.33	1	1					
FROM SHEET THQ-1																	4
TOTAL												28.16	4	11	3	8	

SIGN QUANTITIES

SO-1

LAST REVISION DATE PLOTTED => 1/24/2022

00-00-00 TIME PLOTTED => 9:56:27 AM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	63.0	18	
REGISTERED CIVIL ENGINEER DATE					
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
					

MIDWEST GUARDRAIL SYSTEM QUANTITIES

SHEET No.	STATION	LAYOUT TYPE (N)	DIRECTION	REMOVE GUARDRAIL	MIDWEST GUARDRAIL SYSTEM (STEEL POST)	ALTERNATIVE IN-LINE TERMINAL SYSTEM	TRANSITION RAILING (TYPE WB-31)	END ANCHOR ASSEMBLY (TYPE SFT)	END CAP (TYPE TC)	BURRIED POST END ANCHOR	TREATED WOOD WASTE
					NB/SB	LF	LF	EA	EA	EA	EA
L-1	"A1" 375+48.72 TO 376+98.72	12AA	SB	140	150	1	1	1	1		700
	"A1" 376+26.67 TO 376+98.72	12A	NB	65	82		1	1	1		340
	"A1" 380+93.52 TO 381+59.77	12C	SB	65	68		1		1	1	340
	"A1" 380+93.52 TO 381+59.77	12CC	NB	65	68		1		1	1	340
	TOTAL			335	368	1	4	1	4	2	1720

(N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

TEMPORARY HIGH VISIBILITY FENCE

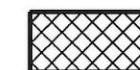
SHEET No.	STATION	LF
L-1	"A1" 375+85.75 TO 378+15.75	260
	"A1" 378+00.00 (ALONG OF TOP OF SLOPE UNDER THE BRIDGE)	100
	TOTAL	360

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LEGEND:



EROSION CONTROL
(TYPE 1)



EROSION CONTROL
(TYPE 2)

FIBER ROLLS

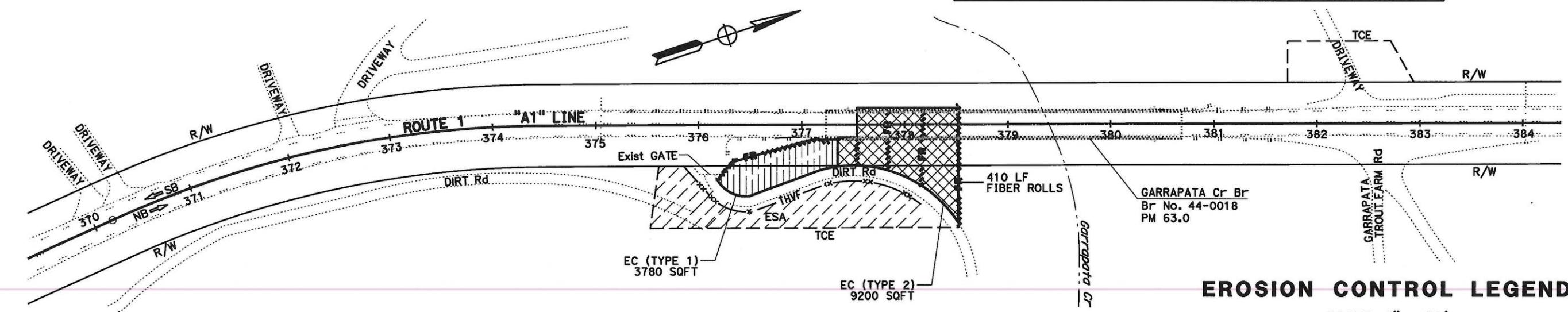
SEQUENCE	ITEM	MATERIAL		REMARKS
		DESCRIPTION	TYPE	
INSTALL BEFORE HYDRAULIC APPLICATIONS	FIBER ROLLS	FIBER ROLL	8" TO 10" Dia	TYPE 1 INSTALLATION

EROSION CONTROL (TYPE 1)

SEQUENCE	ITEM	MATERIAL		APPLICATION RATE	REMARKS
		DESCRIPTION	TYPE		
STEP 1	COMPOST	COMPOST	MEDIUM	135 CY/AC	COMPOST RATE EQUALS APPROXIMATELY 1" DEPTH
STEP 2	INCORPORATE	COMPOST			12" DEPTH
STEP 3	HYDROSEED	SEED	MIX	24.2 LB/AC	
		FIBER	WOOD	200 LB/AC	
STEP 4	HYDROMULCH	FIBER	WOOD	2,000 LB/AC	
		TACKIFIER	PSYLLIUM	200 LB/AC	

EROSION CONTROL (TYPE 2)

SEQUENCE	ITEM	MATERIAL			APPLICATION RATE	REMARKS
		DESCRIPTION	TYPE	FASTENER		
STEP 1	COMPOST	COMPOST	FINE		135 CY/AC	COMPOST RATE EQUALS APPROXIMATELY 1" DEPTH
STEP 2	RECP (NETTING)	COIR NETTING	A	8-GAUGE, 8-INCH STEEL STAPLE		
STEP 3	HYDROSEED	SEED	MIX		24.2 LB/AC	
		FIBER	WOOD		200 LB/AC	
STEP 4	HYDROMULCH	FIBER	WOOD		2,000 LB/AC	
		TACKIFIER	PSYLLIUM		200 LB/AC	



EROSION CONTROL LEGEND

SCALE: 1" = 50'

ECL-1

DATE	COUNTY	ROUTE	POST MILES	SHEET NO.	TOTAL SHEETS
05	MON	1	63	19	

PRELIMINARY
LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LICENSED LANDSCAPE ARCHITECT
Jessica Bailey No. 44-0018
Renewal date 07-31-23
Signature 07-31-23
Date

BOTANICAL NAME (COMMON NAME)	PERCENT GERMINATION (MINIMUM)	POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
ACMISPION GLABER (DEER WEED)	80	3
ARTEMISIA CALIFORNICA (CALIFORNIA SAGEBRUSH)	60	0.5
BROMUS CARINATUS (CALIFORNIA BROME)	90	7
ERIOGONUM PARVIFOLIUM (SEACLIFF BUCKWHEAT)	45	2
ERIOPHYLLUM STAEGADIFOLIUM (LIZARDTAIL)		
FESTUCA MICROSTACHYS (SMALL FESCUE)	90	3
LUPINUS BICOLOR (BICOLOR LUPINE)	85	5
MELICA IMPERFECTA (COAST MELIC)	70	5
SALVIA MELLIFERA (BLACK SAGE)	60	1

EROSION CONTROL QUANTITIES

SHEET	DESCRIPTION	INCORPORATE MATERIALS	HYDROSEED	HYDROMULCH	COMPOST	ROLLED EROSION CONTROL PRODUCT (NETTING)	FIBER ROLLS
		SQFT	SQFT	SQFT	CY	SQFT	LF
ECL-1	EC (TYPE 1)	3780	3780	3780	12		
	EC (TYPE 2)		9200	9200	27	9200	
	FIBER ROLLS						410
	TOTAL	3780	12,980	12,980	39	9200	410

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	ALI BAKHDODI
Electrical Design			

LEGEND:

[1] 120/240 V, SINGLE PHASE, 3-WIRE, TYPE A SERVICE ON TEMPORARY WOOD POLE WITH THE FOLLOWING CIRCUIT BREAKERS:

AMPERES	VOLTS	POLES	NAMEPLATE	METER	PHOTOELECTRIC CONTROL TYPE
60	240	2	MAIN DISCONNECT	YES	-
20	120	1	LIGHTING	YES	IV
15	120	1	FLASHING BEACON	YES	-
30	120	1	SIGNAL	YES	-

[2] SEE DETAIL F ON SHEET ED-2 FOR TEMPORARY WOOD POLE.
[3] DEPARTMENT-FURNISHED MODEL 2070E CONTROLLER ASSEMBLY,
ADD UPS AND WIRELESS MODEM.
FOR CABINET PLATFORM, SEE DETAIL D ON SHEET ED-1.
[4] SEE DETAIL A ON SHEET ED-1 FOR TEMPORARY WOOD POLE FB.
[5] SPLICE THREE TYPE A LOOP DETECTORS TO ONE TYPE D LOOP DETECTOR IN SERIES.
PLACE LOOP DETECTORS AS SHOWN IN DETAIL H ON SHEET ED-2.
[6] GENERATOR SYSTEM WITH CHAIN LINK FENCE AND GATE AS SHOWN IN DETAIL E ON SHEET ED-2.
[7] SEE DETAIL C ON SHEET ED-1 FOR TEMPORARY WOOD POLES Sig AND Ltg.
[8] SEE DETAIL B ON SHEET ED-1 FOR TEMPORARY WOOD POLE Sig.
[9] FOR R10-26 SIGN DETAILS REFER TO TRAFFIC HANDLING PLANS.
[10] LOOP DETECTORS MUST HAVE 5 TURNS.
[11] SEE DETAIL G SHEET ED-2.

ABBREVIATIONS:

PG&E PACIFIC GAS AND ELECTRIC COMPANY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	MON	1	62.97	20	

REGISTERED ELECTRICAL ENGINEER DATE
PLANS APPROVAL DATE
[Handwritten signatures and initials over these fields]

THE ACCURACY AND COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
No. _____
Exp. _____
ELECTRICAL
STATE OF CALIFORNIA

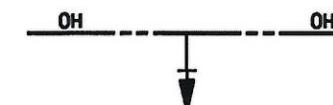
SYMBOLS:



TEMPORARY WOOD POLE FB



TEMPORARY WOOD POLE Sig AND Ltg



Sig HEAD ON OVERHEAD BUNDLE



OVERHEAD BUNDLE CONDUCTORS AS NOTED



TEMPORARY WOOD POLE Sig



TEMPORARY WOOD POLE



GENERATOR SYSTEM



TEMPORARY WOOD POLE Ltg



CHAIN LINK FENCE AND GATE

TEMPORARY SIGNAL SYSTEMS

SCALE: 1"=20'

E-1

APPROVED FOR ELECTRICAL WORK ONLY

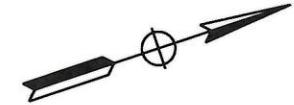
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISED BY	BS
Caltrans® ELECTRICAL DESIGN	ALI BAKHDOD	BRYAN SABAGQUIT	PAUL MATOS	DATE REVISED 5-28-21

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	MON	1	62.97	21	

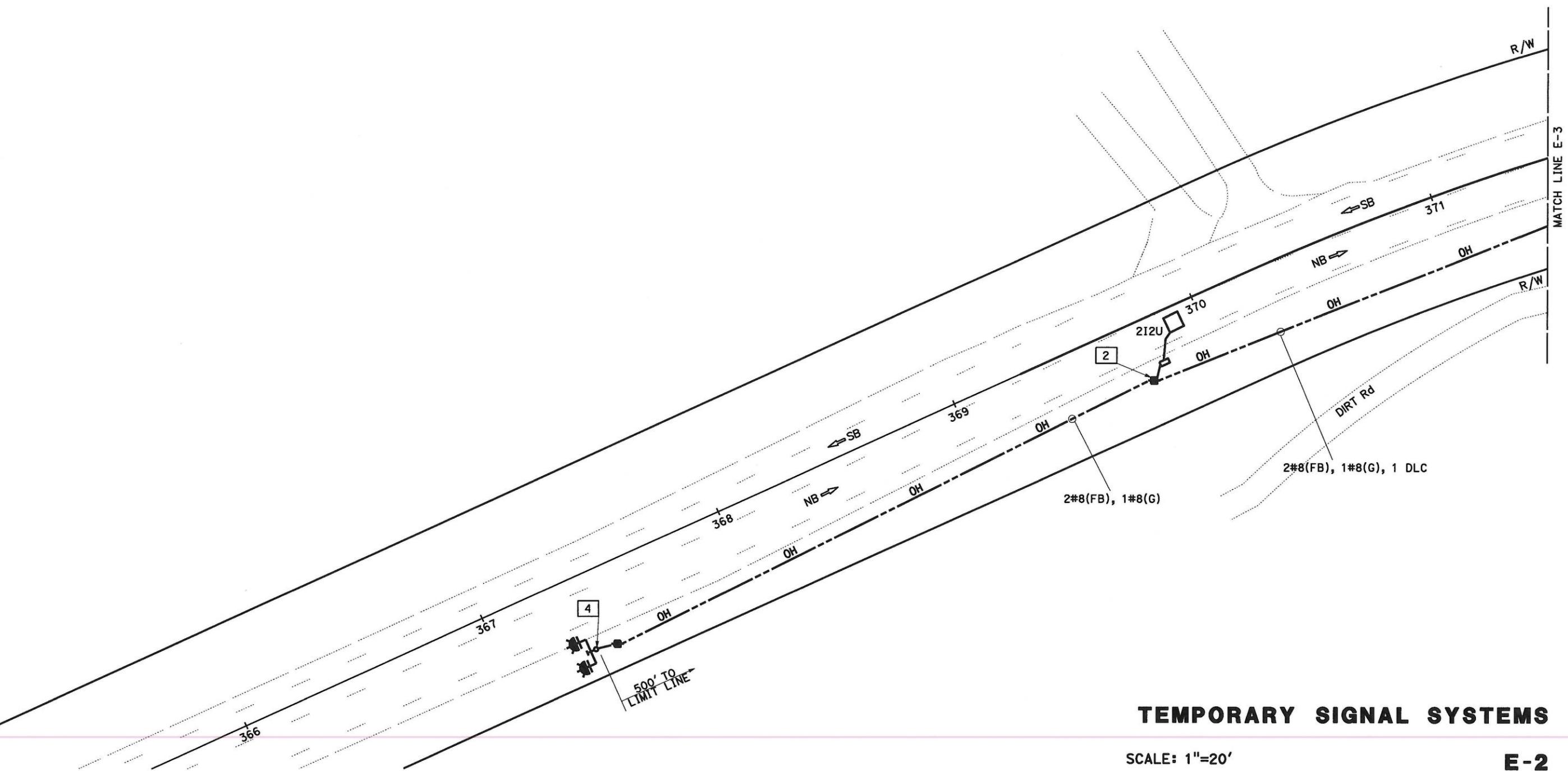
REGISTERED ELECTRICAL ENGINEER DATE
No. _____
Exp. _____
* ELECTRICAL *
REGISTERED PROFESSIONAL ENGINEER
No. _____
* STATE OF CALIFORNIA *

PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS
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DATE PLOTTED => 8-MAR-2022

TIME PLOTTED => 13:20



LAST REVISION
00-00-00

DATE PLOTTED => 8-MAR-2022

TIME PLOTTED => 13:20

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 **ELECTRICAL DESIGN**

REvised BY

DATE REVISED

5-28-21

FUNCTIONAL SUPERVISOR

ALI BAKHDOD

CALCULATED-
DESIGNED BY

CHECKED BY

BRYAN SABAGUIT

PAUL MATOS

REvised BY

DATE REVISED

5-28-21

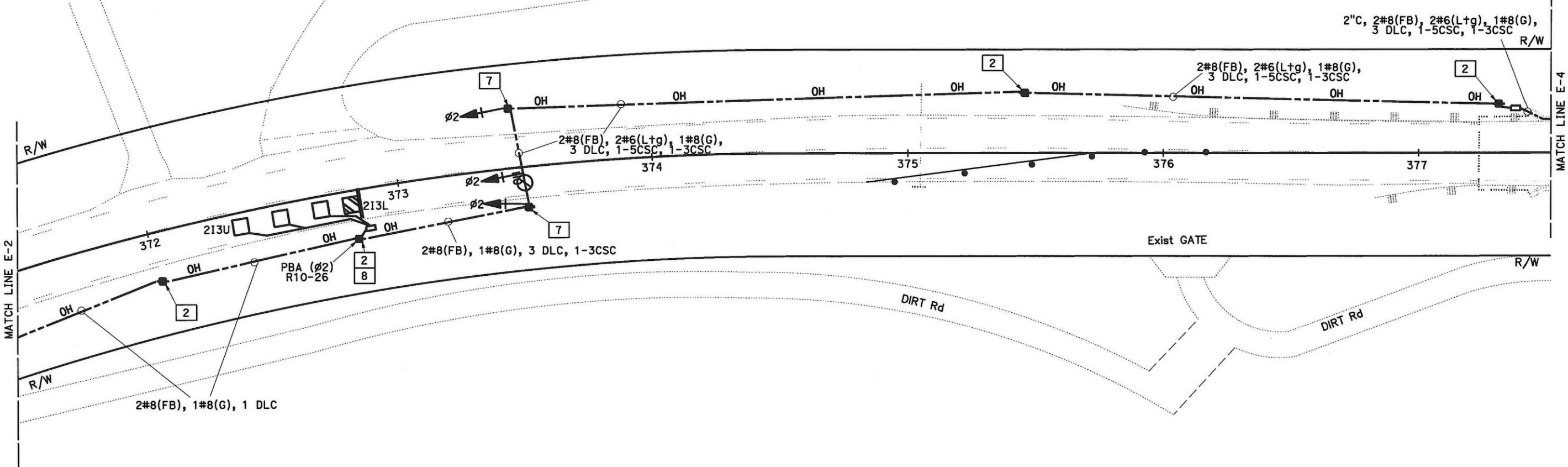
FUNCTIONAL SUPERVISOR

ALI BAKHDOD

CHECKED BY

BRYAN SABAGUIT

PAUL MATOS



NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	MON	1	62.97	22	

REGISTERED ELECTRICAL ENGINEER DATE
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 * EXP. ELECTRICAL *
 STATE OF CALIFORNIA

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LAST REVISION DATE PLOTTED => 8-MAR-2022

00-00-00 TIME PLOTTED => 13:20

TEMPORARY SIGNAL SYSTEMS

SCALE: 1"=20'

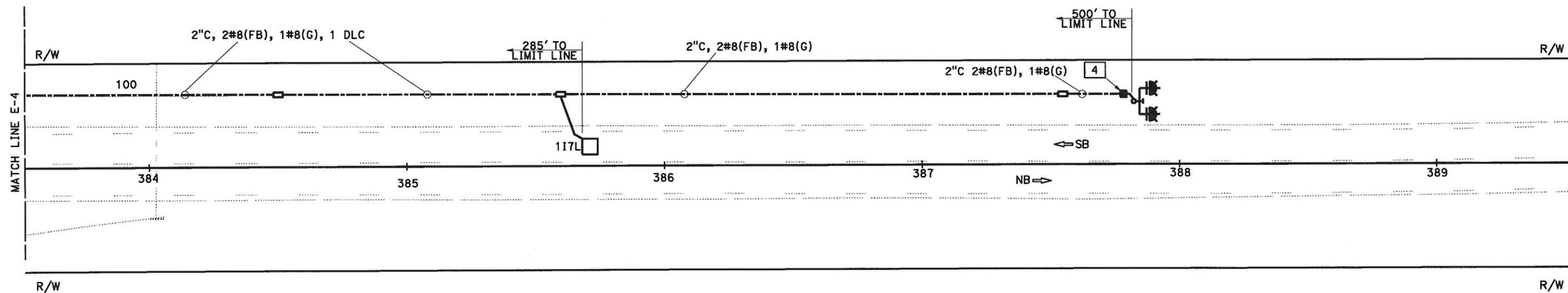
E-3

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISED BY	BS
4 th Cartrons ELECTRICAL DESIGN	ALI BARKHODA	PAUL MATOS	PAUL MATOS	5-28-21
<i>NOTE: FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT DISTRICT OFFICE.</i>				

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	sheet No.	TOTAL SHEETS
05	MON	1	62.97	24	

REGISTERED ELECTRICAL ENGINEER	DATE
No. _____	Exp. _____
PLANS APPROVAL DATE	
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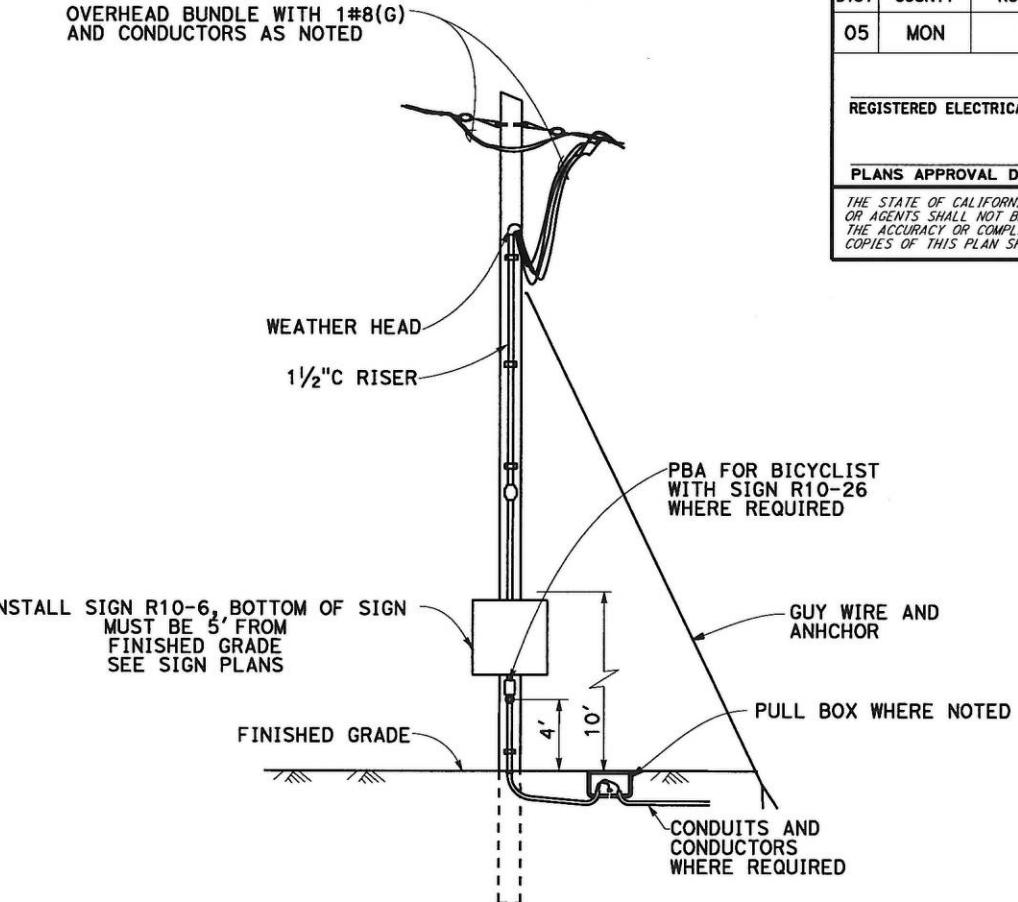
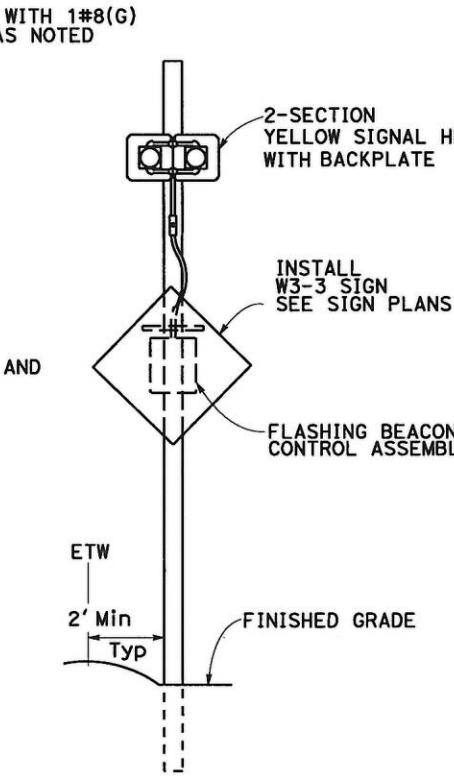
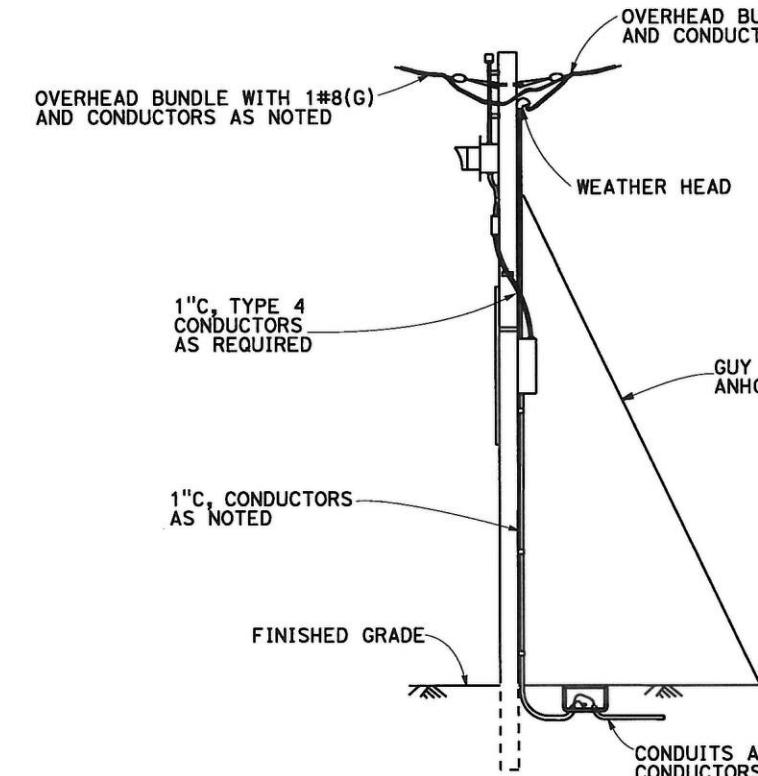
TEMPORARY SIGNAL SYSTEMS

SCALE: 1"=20'

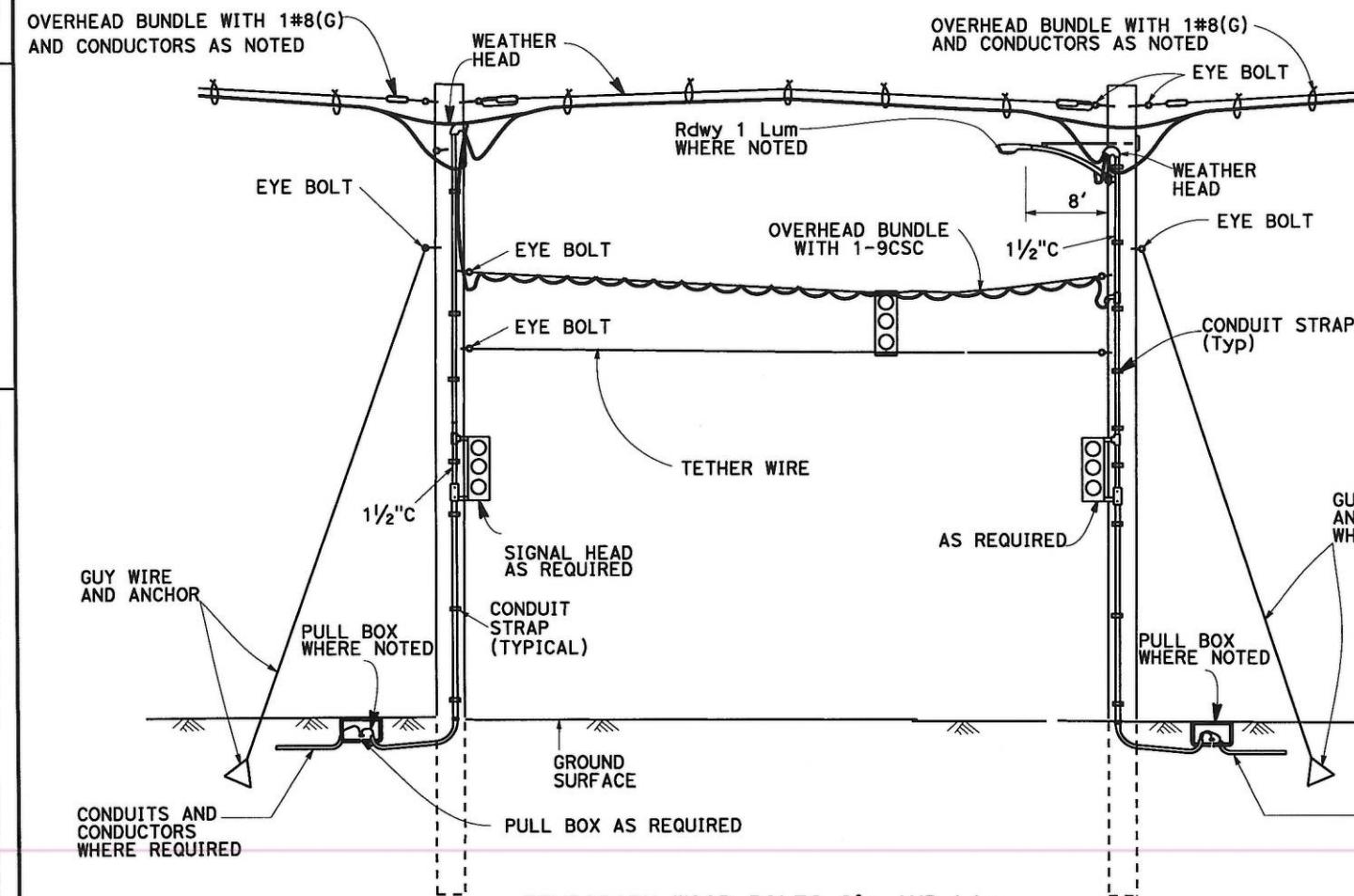
E-5

APPROVED FOR ELECTRICAL WORK ONLY

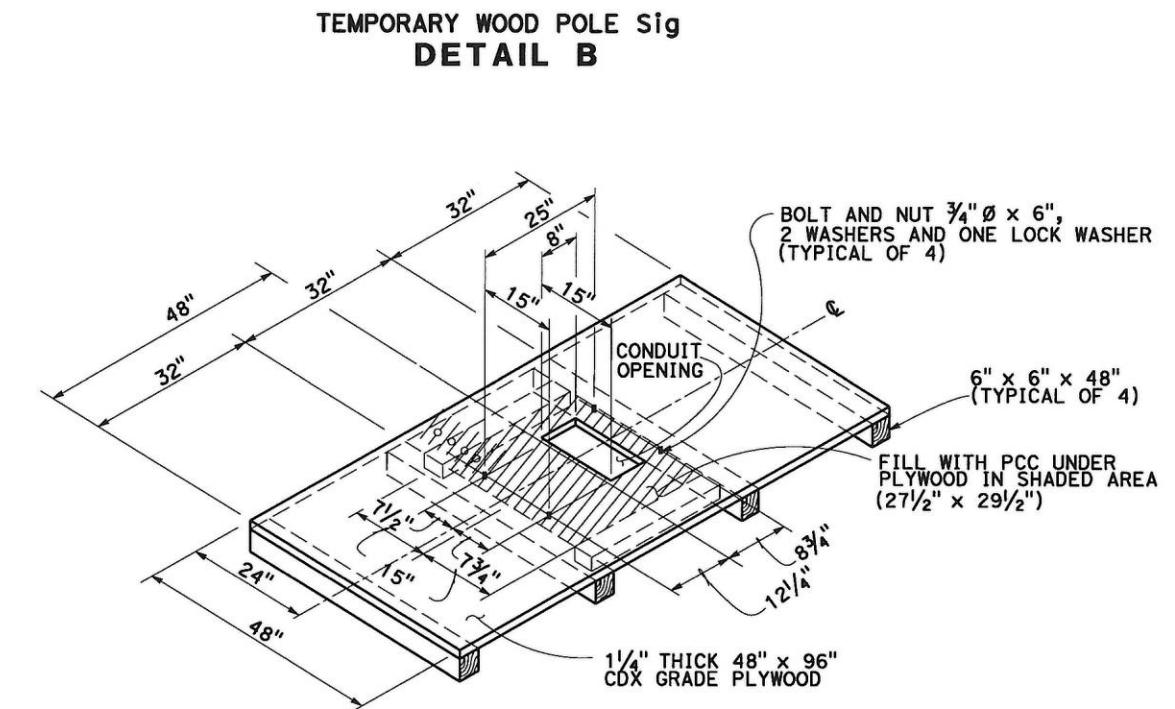
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	Electrical Design		
	Bryant Sabagout		
	Paul Matos		
CALCULATED - DESIGNED BY	BRYAN SABAGOUT		
CHECKED BY	PAUL MATOS		
REvised BY	BS		
DATE REvised	5-28-21		



TEMPORARY WOOD POLES FB
DETAIL A



TEMPORARY WOOD POLES Sig AND Ltg
DETAIL C



CABINET PLATFORM
DETAIL D

ELECTRICAL DETAILS
ED-1
NO SCALE

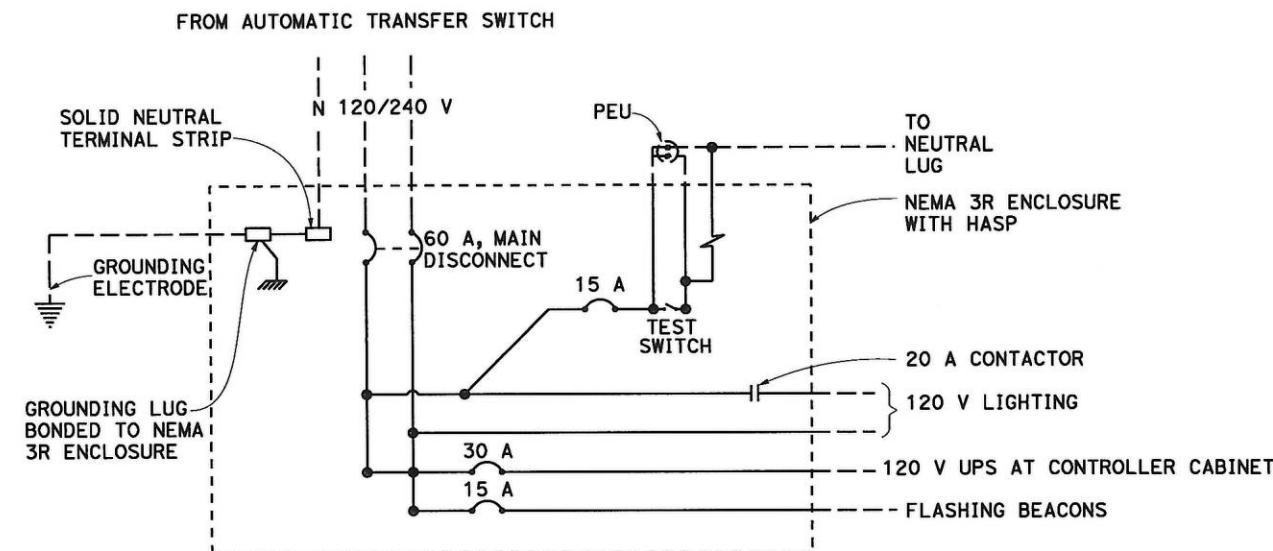
Dist	COUNTY	ROUTE	POST MILES	SHEET No.	TOTAL SHEETS
05	MON	1	62.97	25	

REGISTERED ELECTRICAL ENGINEER DATE
PLANS APPROVAL DATE

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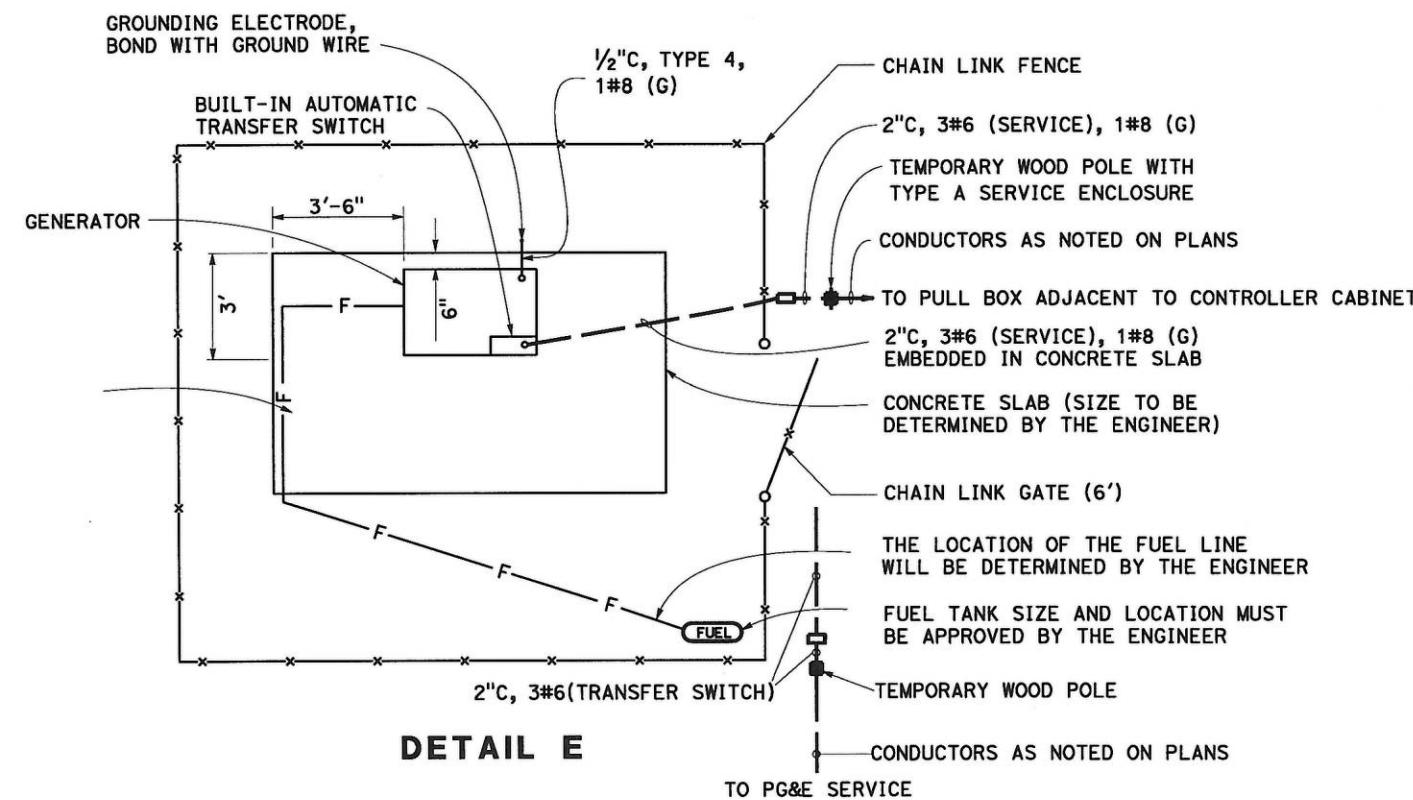
REGISTERED PROFESSIONAL ENGINEER
No. _____
Exp. ELECTRICAL
STATE OF CALIFORNIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	Caltrans® ELECTRICAL DESIGN
	ALI BAKHDOD	

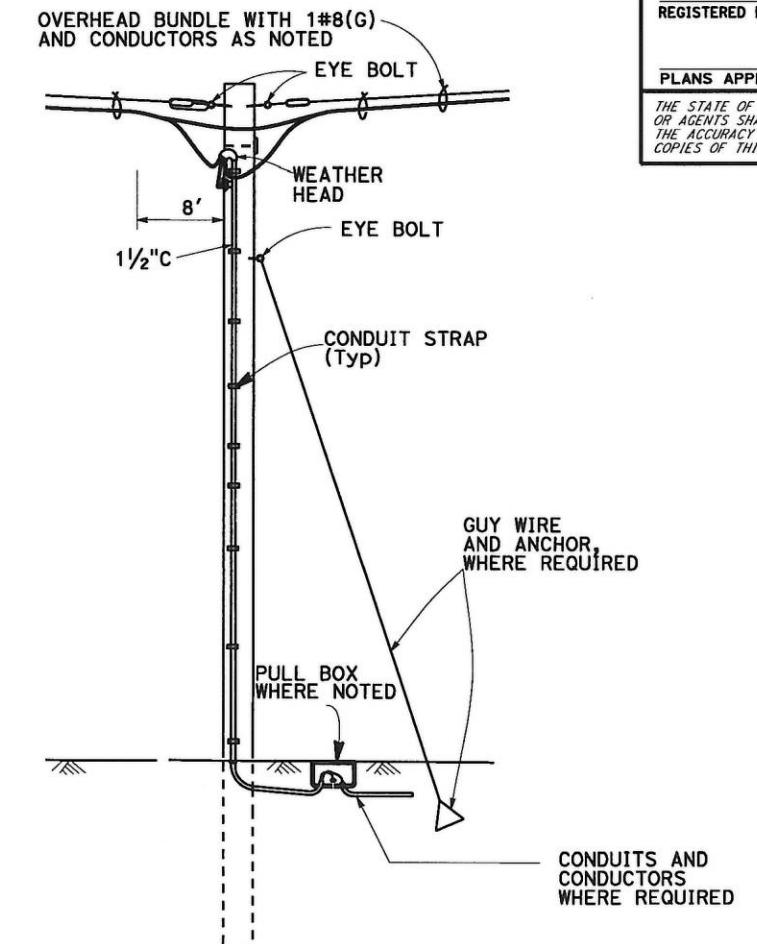


SERVICE ENCLOSURE WIRING DIAGRAM
DETAIL G

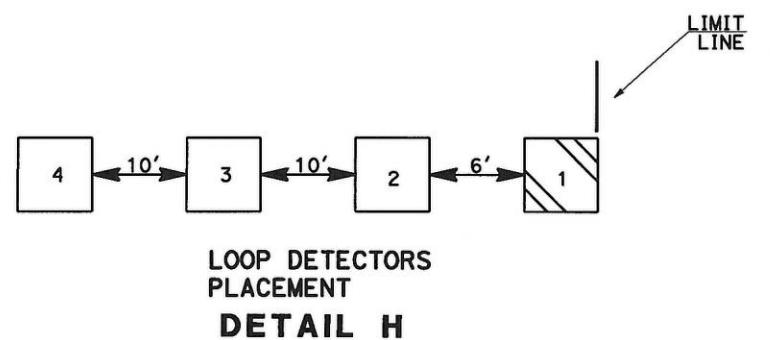
NOTE:
TEMPORARY TRAFFIC SIGNAL SYSTEM WILL BE INITIALLY POWERED BY PRIMARY AND SECONDARY GENERATORS.
SWAP TO UTILITY POWER AND BACK UP GENERATOR CONFIGURATION ONCE PG&E SERVICE BECOMES AVAILABLE.



DETAIL E



TEMPORARY WOOD POLE
DETAIL F



LOOP DETECTORS
PLACEMENT
DETAIL H

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	Sheet No. TOTAL SHEETS
05	MON	1	62.97	26

REGISTERED ELECTRICAL ENGINEER DATE
PLANS APPROVAL DATE
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REGISTERED PROFESSIONAL ENGINEER
No. EXP. ELECTRICAL STATE OF CALIFORNIA

NOTE:

ELECTRICAL SYSTEM QUANTITY TABLES SUMMARIZE SIGNIFICANT COMPONENTS.
SEE ELECTRICAL SYSTEMS PLANS AND SPECIFICATIONS TO DETERMINE ALL MATERIALS
NEEDED FOR EACH SYSTEM.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	Sheet No.	Total Sheets
05	MON	1	62.97	27	

REGISTERED ELECTRICAL ENGINEER DATE
PLANS APPROVAL DATE
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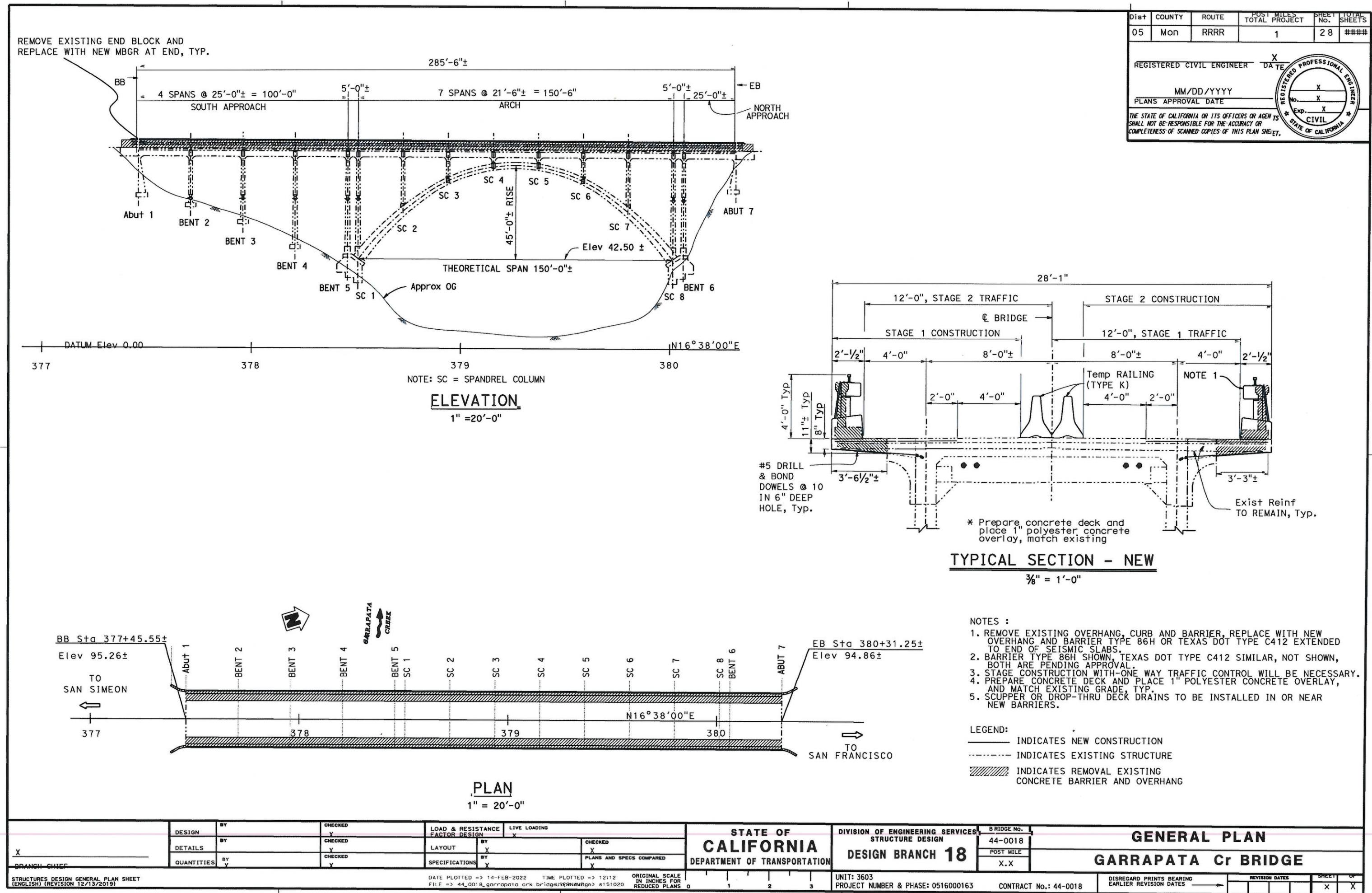
TEMPORARY SIGNAL SYSTEMS

NOT A SEPARATE BID ITEM

SHEET No.	EA																										
	No. 5 PB	No. 6 PB	DETECTOR LOOP, TYPE A	DETECTOR LOOP, TYPE D	DETECTOR-STUB SHOULDER	LUMINAIRE - 165W LED	SIGNAL 3'-12" (HOUSING, BACKPLATE, LED'S)	APS PPB ASSEMBLY	FB CONTROLLER (FBCA)	FB TYPE 15-FBS POLE	TYPE PGE SERVICE RISER	FUSED SPLICE CONNECTOR- 2 POLE	WOOD POLE- 45FT	WOOD POLE MASTARM- 12FT	CONTROLLER WITH ANCHOR BOLTS	FOUNDATION	CONTROLLER CABINET	WIRELESS MODEM	2" C TYPE 3	3" C TYPE 3	No. 8 CONDUCTOR (CU)	No. 6 CONDUCTOR (CU)	No. 8 CONDUCTOR (G) (CU)	LF	5CSC	3CSC	DLC
E-2	1		1	1	1	1	3	1	1	1	1	1	2					12		800	400		180	400			
E-3	2		3	1	1	1	3	1				1	6	1				15		1200	600	450	520	1600	650		
E-4	4	1	3	1	1	1	3	1			1	1	7	1	1	1	1	350	15	1100	650	610	550	1800	350		
E-5	1		1						1	1			4					5		850	425			220	415		

ELECTRICAL SYSTEMS QUANTITIES

EQ-1



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