Exhibit B

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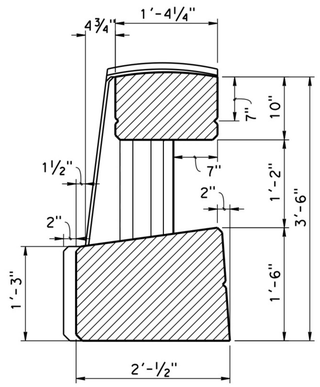
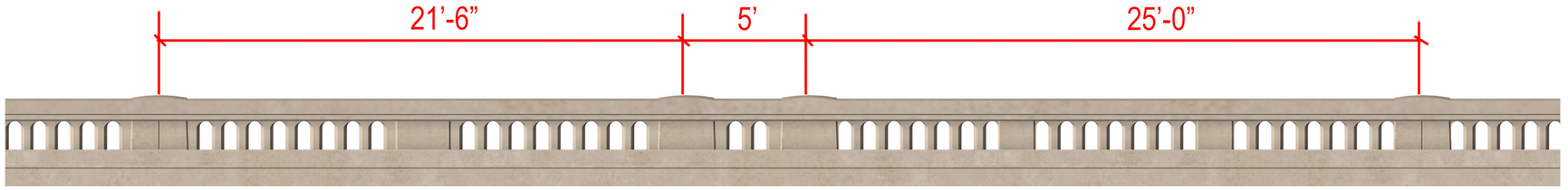
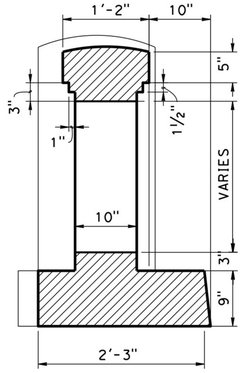


TYPE 86H SECTION

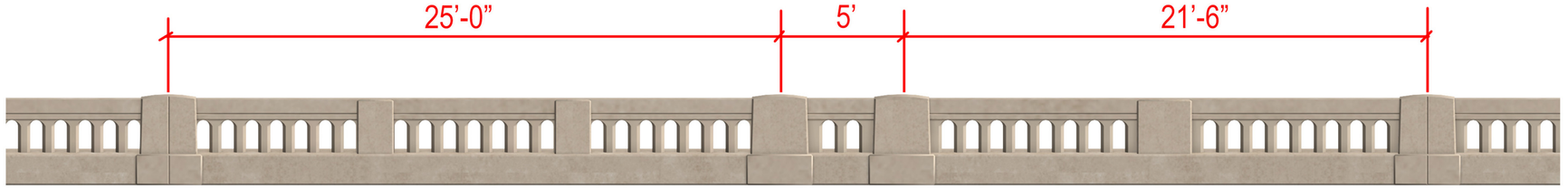


86H WITH TOP BEAM GROOVE LINE FRONT ELEVATION

EXISTING FRONT ELEVATION



EXISTING SECTION



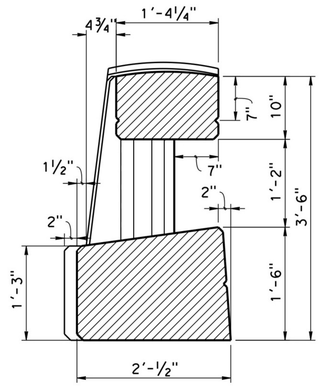
86H WITH TOP BEAM GROOVE LINE BACK ELEVATION

EXISTING BACK ELEVATION

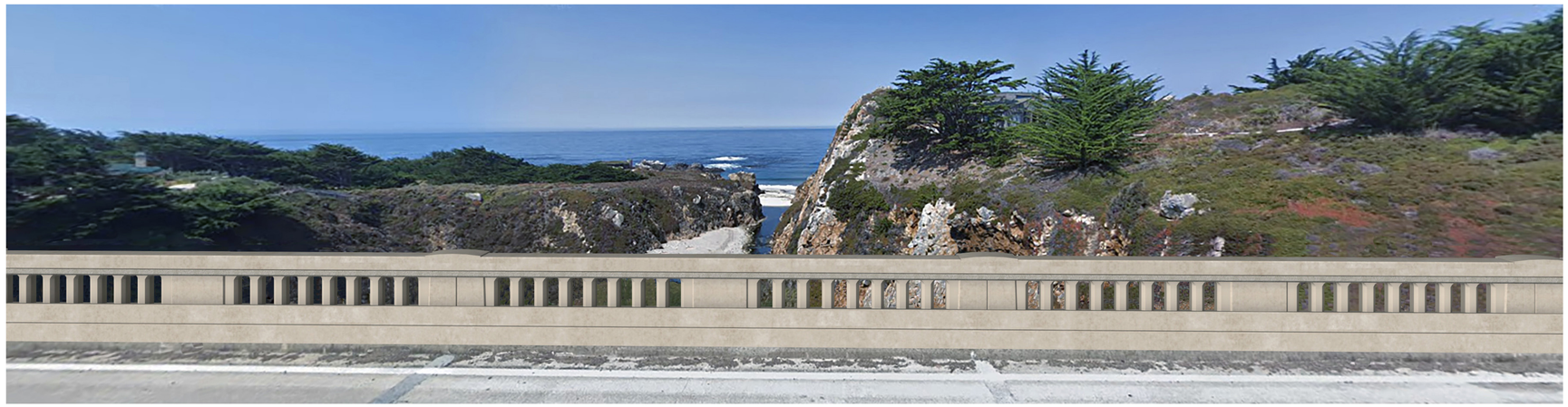
GARRAPATA CREEK BRIDGE BARRIER STUDY

02/18/22

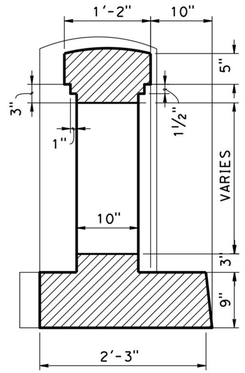
Prepared by: DES, Bridge Architecture and Aesthetics



TYPE 86H SECTION



TYPE 86H ON DECK VIEW



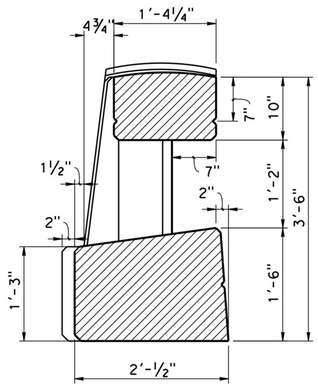
EXISTING SECTION

EXISTING ON DECK VIEW

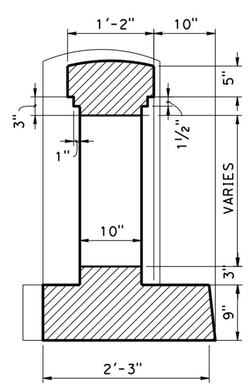
GARRAPATA CREEK BRIDGE BARRIER STUDY

01/05/22

Prepared by: DES, Bridge Architecture and Aesthetics



TYPE 86H SECTION

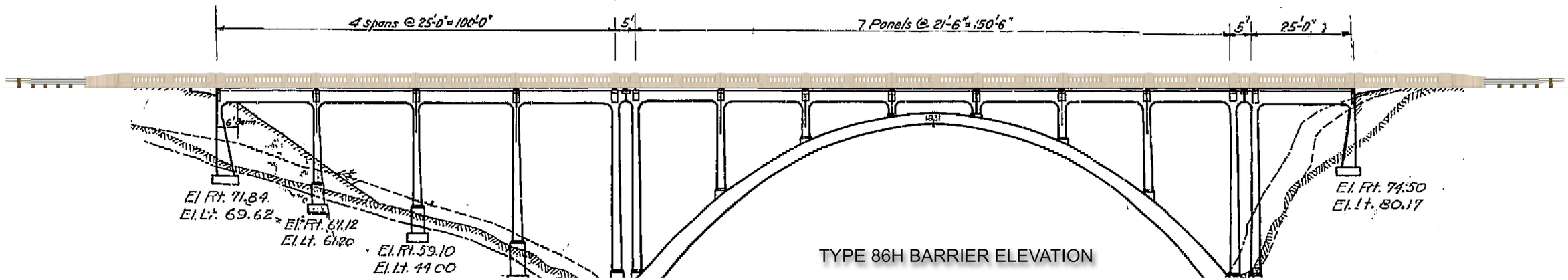


EXISTING SECTION

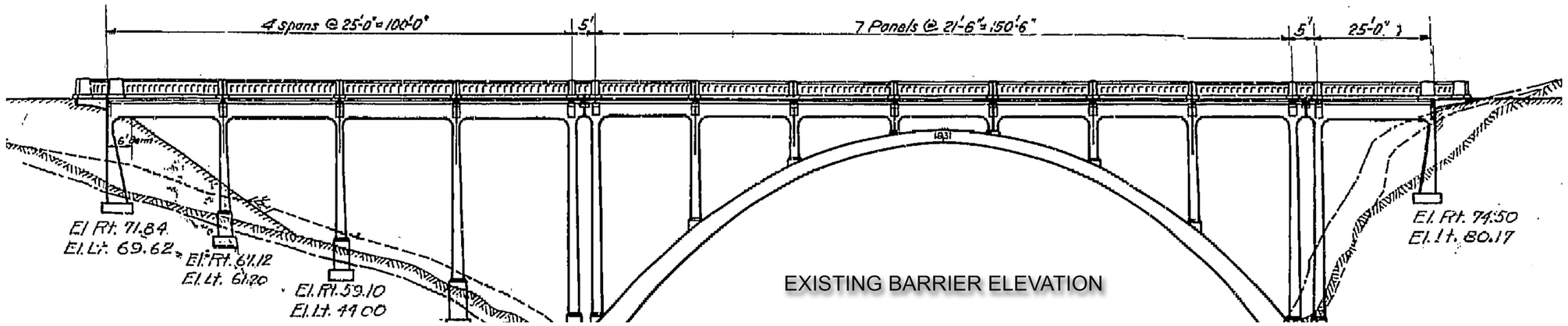
GARRAPATA CREEK BRIDGE BARRIER STUDY

02/22/22

Prepared by: DES, Bridge Architecture and Aesthetics



TYPE 86H BARRIER ELEVATION



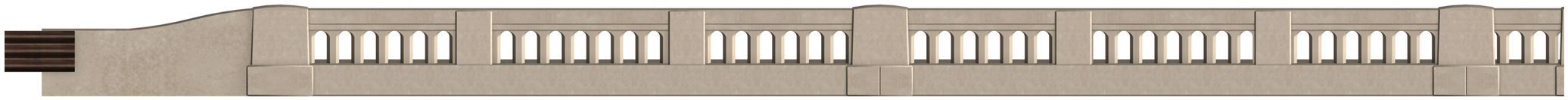
EXISTING BARRIER ELEVATION

GARRAPATA CREEK BRIDGE BARRIER STUDY

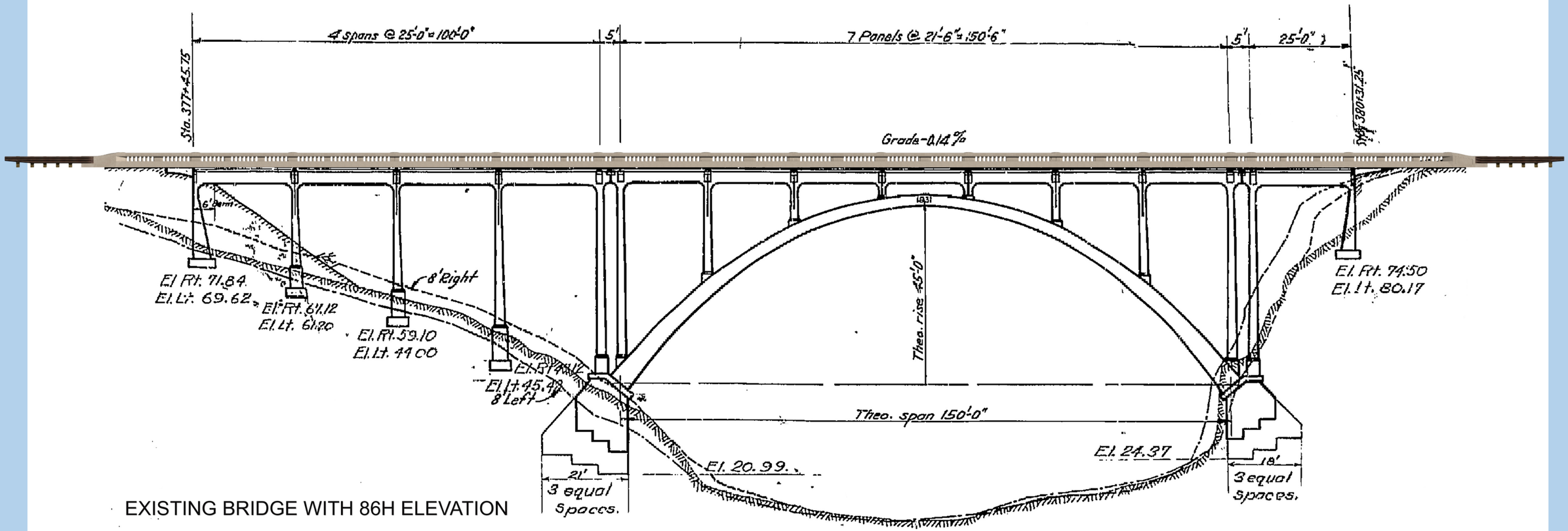
01/05/22

Prepared by: DES, Bridge Architecture and Aesthetics

86H END BLOCK FRONT ELEVATION



86H END BLOCK BACK ELEVATION



EXISTING BRIDGE WITH 86H ELEVATION

GARRAPATA CREEK BRIDGE BARRIER TYPE 86H

09/06/22

Prepared by: DES, Bridge Architecture and Aesthetics

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

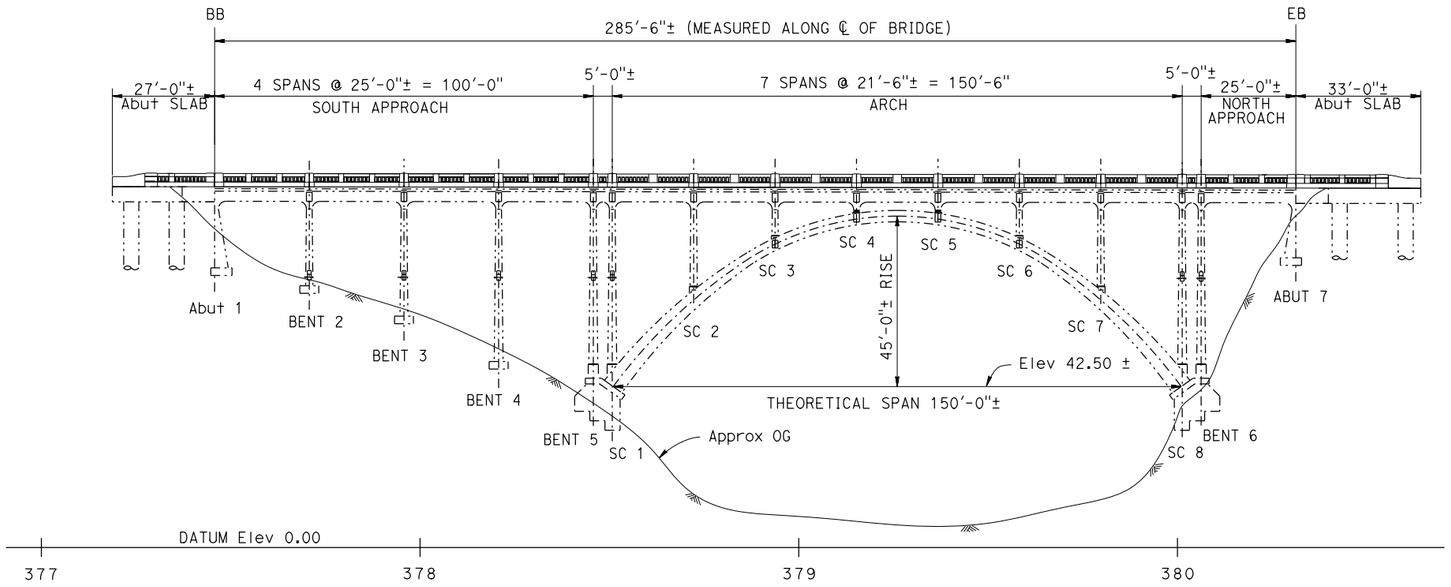
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER _____ DATE X

PLANS APPROVAL DATE _____

REGISTERED PROFESSIONAL ENGINEER — No. X — Exp. X — 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.



ELEVATION
1" = 30'

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

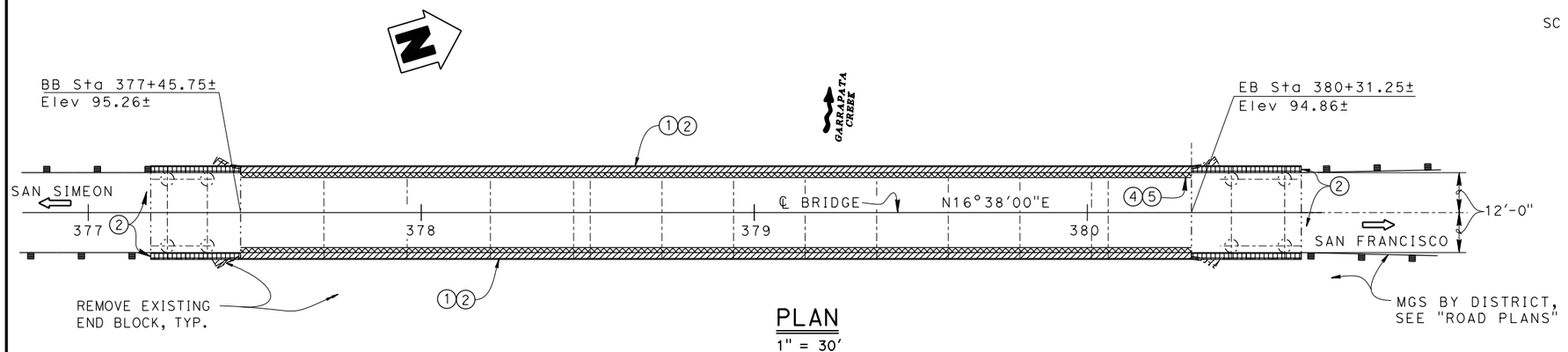
·-·-·-·- INDICATES EXISTING STRUCTURE

▨ 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



PLAN
1" = 30'

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	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
	DETAILS	BY Mohammad Sharif	CHECKED Rene Coria	LAYOUT	BY Rene Coria	CHECKED Mohammad Sharif	
	QUANTITIES	BY Rene Coria	CHECKED Mohammad Sharif	SPECIFICATIONS	BY X	PLANS AND SPECS COMPARED X	

DIVISION OF ENGINEERING SERVICES
BRIDGE DESIGN
BRANCH 18

BRIDGE No. 44-0018
POST MILE 63.0

GARRAPATA CREEK BRIDGE
GENERAL PLAN

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

DATE PLOTTED => 15-NOV-2022 TIME PLOTTED => 14:08
FILE => 44-0018-a-gp01.dgn 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				SHEET	OF
~~9/22/22~~		10/13/22	~~10/06/22~~	1	15

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

REGISTERED CIVIL ENGINEER — DATE X

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. X — Exp. X — 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.

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:

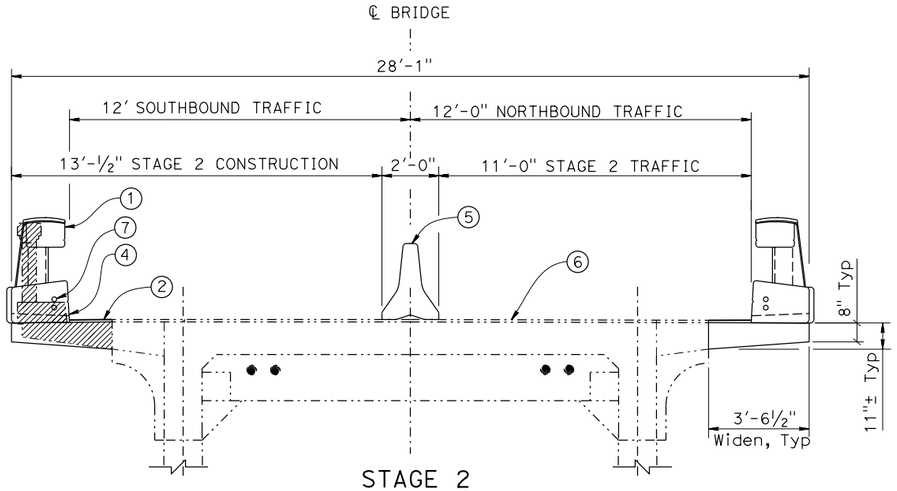
DESIGN: AASHTO LRFD Bridge Design Specifications, 8th Edition with California Amendments

BARRIER LOADING: Test Level 4

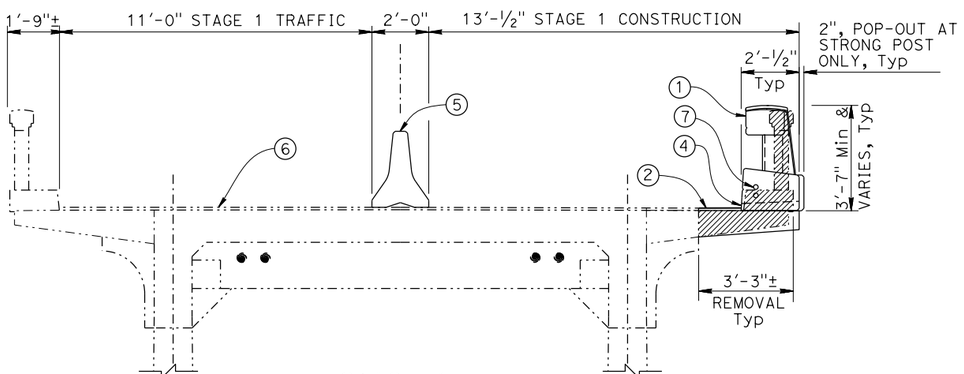
DEAD LOAD: Includes 35 psf for future wearing surface

REINFORCED CONCRETE:

Structural Concrete (Polymer Fiber):	Concrete Barrier, Type 86(MOD):
fy = 80 ksi	fy = 60 ksi, Epoxy Coated
fy = 33 ksi (Existing Reinf)	f'c = 3.6 ksi
f'c = 4.0 ksi, Polymer Fiber	n = 8
n = 8	



STAGE 2



STAGE 1

TYPICAL SECTION

⅜" = 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 1-1½ ø Conduit at each Barrier for future utilities.

LEGEND:

——— INDICATES NEW CONSTRUCTION

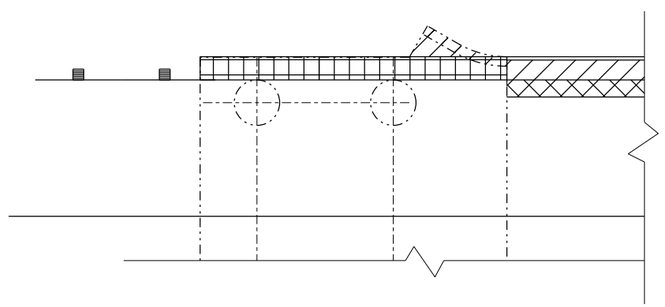
·-·-·-·- INDICATES EXISTING STRUCTURE

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 X	
DETAILS	BY Mohammad Sharif	CHECKED X	
QUANTITIES	BY X	CHECKED X	

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

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

DATE PLOTTED => 29-NOV-2022 TIME PLOTTED => 15:42
FILE => 44-0018-a-itp.dgn 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				SHEET	OF
9/22/22		11/29/22	11/18/22	2	15

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

REGISTERED CIVIL ENGINEER _____ DATE X

PLANS APPROVAL DATE _____

REGISTERED PROFESSIONAL ENGINEER — No. X — Exp. X — CIVIL — STATE OF CALIFORNIA

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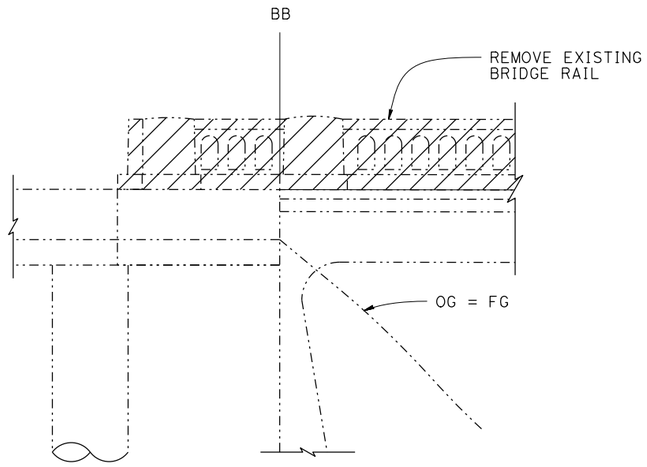
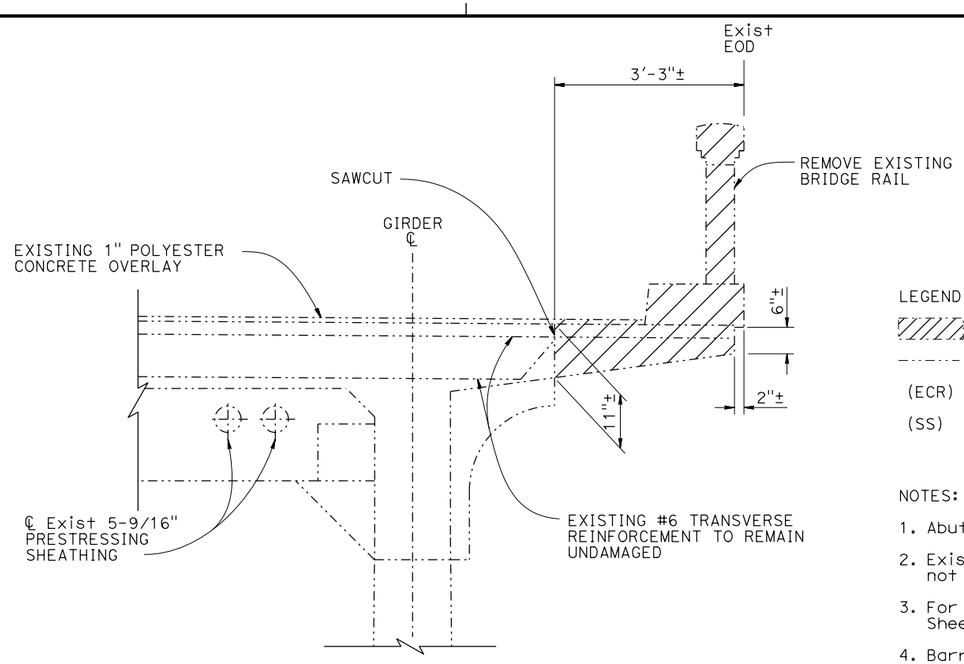


ABUTMENT ELEVATION
1/4" = 1'-0"



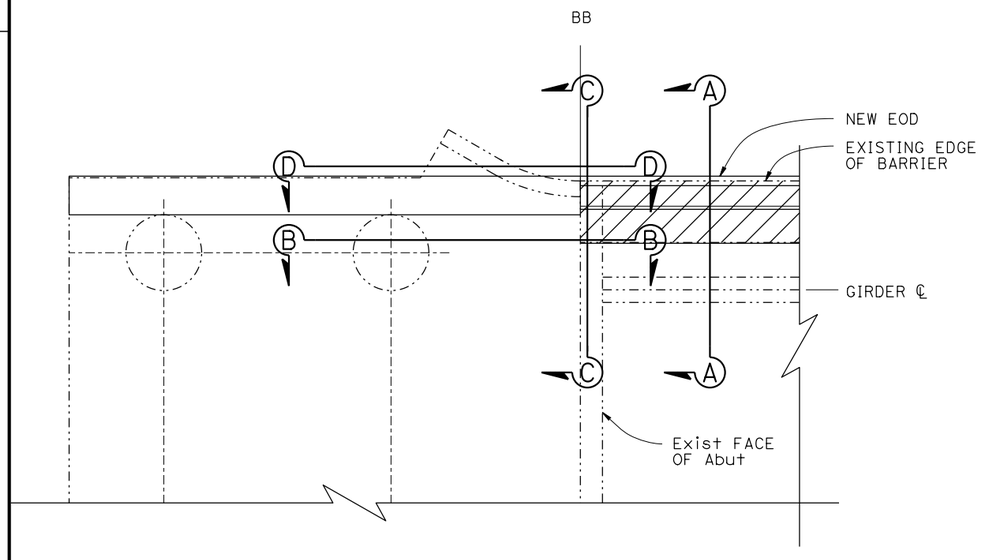
REMOVAL SECTION A-A
3/4" = 1'-0"

LEGEND:

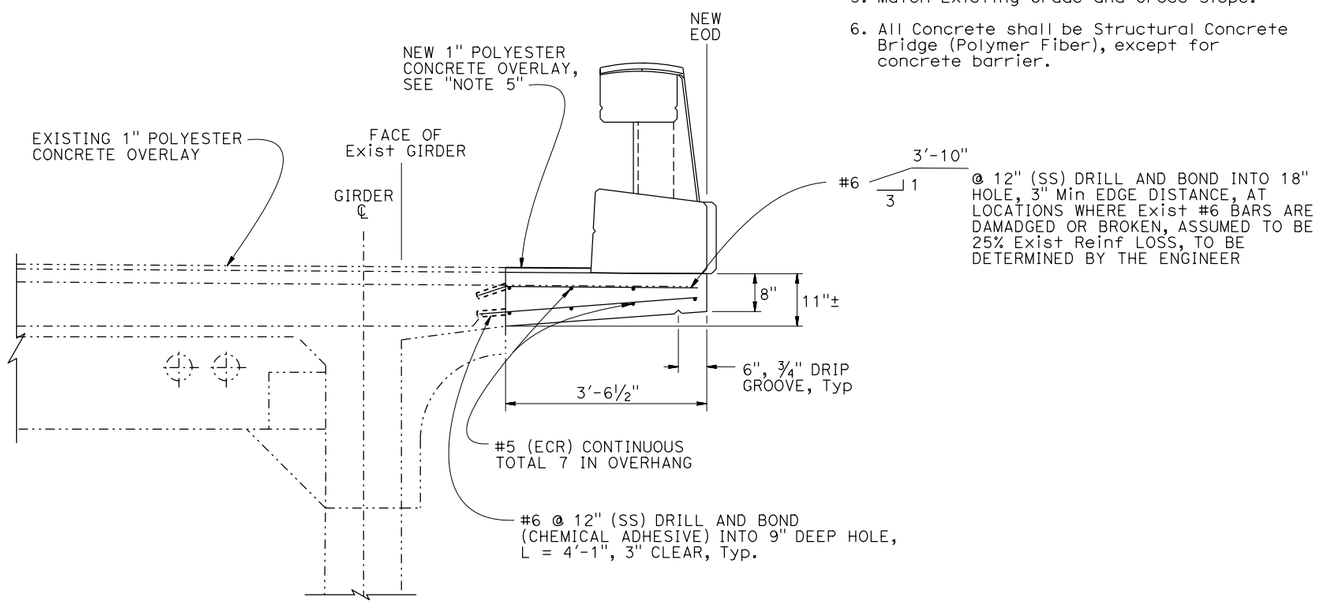
- Bridge Removal (Portion)
- Existing Structure
- (ECR) Epoxy coated reinforcement bar
- (SS) Stainless steel reinforcement bar

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.



ABUTMENT PART PLAN
1/4" = 1'-0"



RECONSTRUCTION SECTION A-A
3/4" = 1'-0"

DESIGN	BY Rene Coria	CHECKED X	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES BRIDGE DESIGN BRANCH 18	BRIDGE No. 44-0018
DETAILS	BY Mohammad Sharif	CHECKED X			POST MILE 63.0
QUANTITIES	BY X	CHECKED X			

GARRAPATA CREEK BRIDGE
OVERHANG DETAILS NO. 1

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

DATE PLOTTED => 15-NOV-2022 TIME PLOTTED => 14:09
FILE => 44-0018-t-brdt01.dgn 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 9/20/22 10/05/22

SHEET 3 OF 15

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

REGISTERED CIVIL ENGINEER — DATE X

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. X — Exp. X — CIVIL — STATE OF CALIFORNIA

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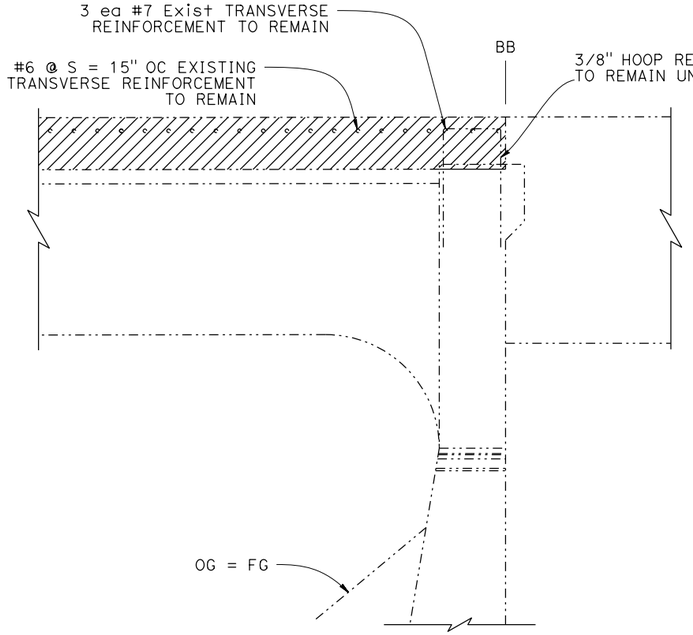
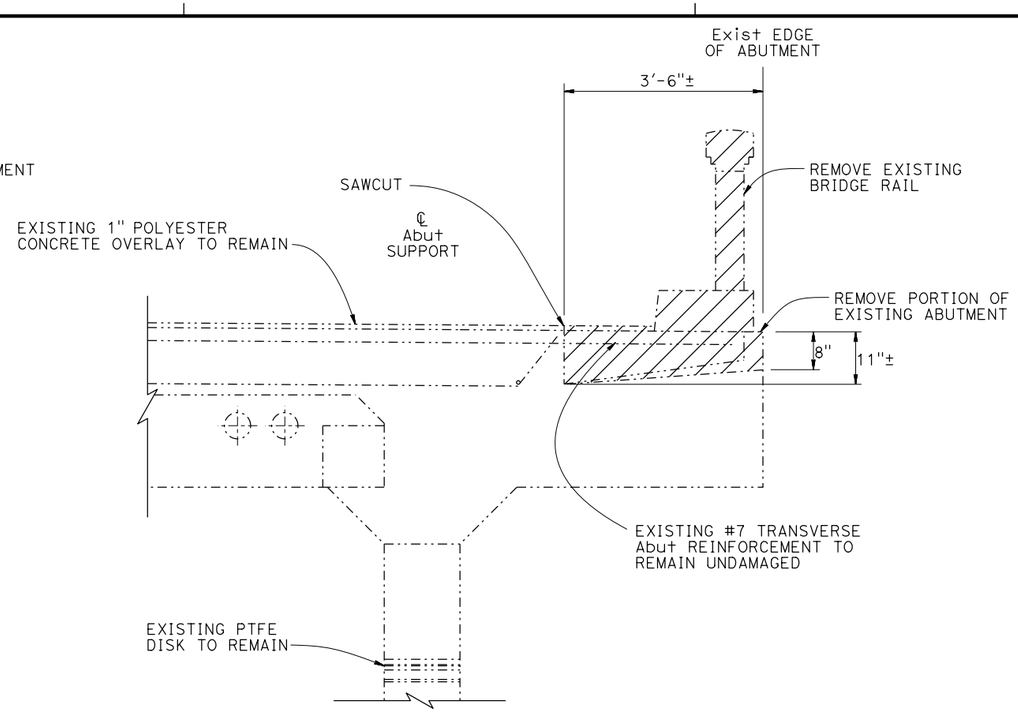


REMOVAL SECTION B-B
3/4" = 1'-0"



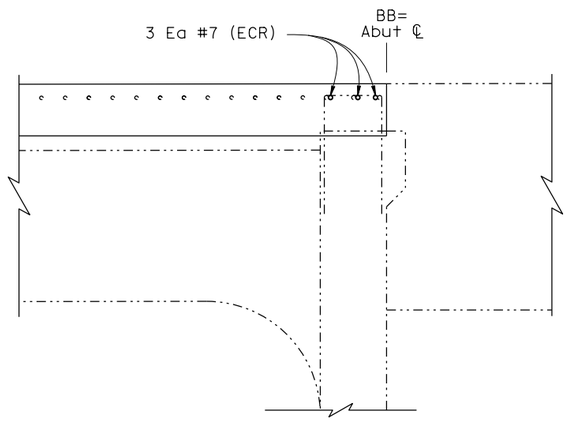
REMOVAL SECTION C-C
3/4" = 1'-0"

NOTES:

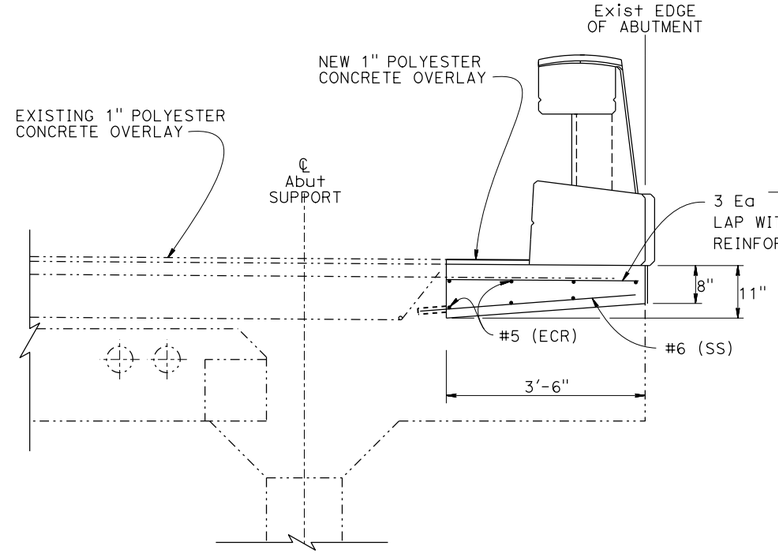
1. For Location of Section B-B and C-C, see Sheet "OVERHANG DETAILS NO. 1".
2. Abut 1 shown, Abut 7 similar.
3. Barrier Reinforcement not shown for Clarity, see "CONCRETE BARRIER TYPE 86H(MOD) DETAILS No. 7, 8, 9, AND 10" sheets for details.
4. Match Existing Grade and Cross Slope.
5. New Deck Reinforcement,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

LEGEND:

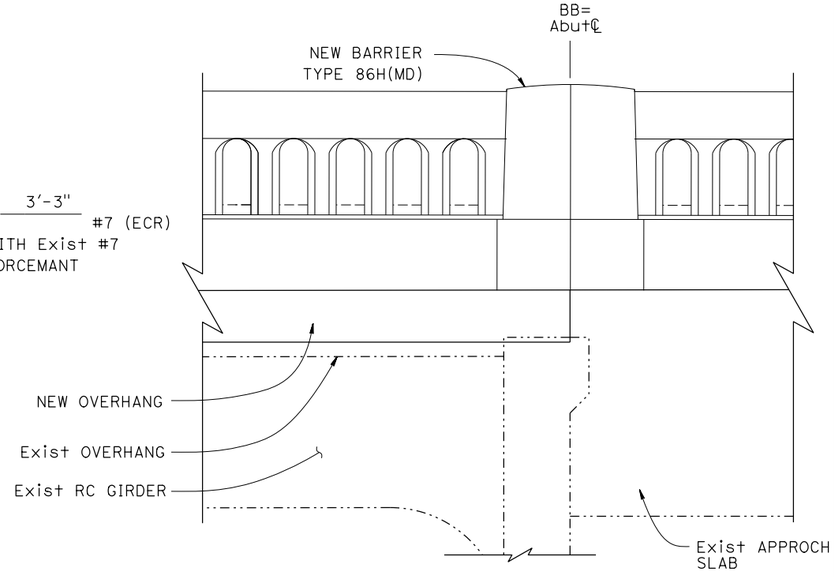
- Bridge Removal (Portion)
- Existing Structure
- (ECR) Epoxy coated reinforcement bar
- (SS) Stainless steel reinforcement bar



RECONSTRUCTION SECTION B-B
3/4" = 1'-0"



RECONSTRUCTION SECTION C-C
3/4" = 1'-0"



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

DESIGN	BY Rene Coria	CHECKED X	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES BRIDGE DESIGN BRANCH 18	BRIDGE No. 44-0018	GARRAPATA CREEK BRIDGE	
DETAILS	BY Mohammad Sharif	CHECKED X			POST MILE 63.0	OVERHANG DETAILS NO. 2	
QUANTITIES	BY X	CHECKED X					

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
FILE => 44-0018-t-brdt02.dgn USERNAME => s110279

UNIT: 3603 PROJECT NUMBER & PHASE: 0516000163 COUNTY/ROUTE: Mon/001 CONTRACT No.: 05-1H880

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
9/12/22	9/28/22	10/05/22		4	15

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

REGISTERED CIVIL ENGINEER — DATE X

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. X — Exp. X — CIVIL — STATE OF CALIFORNIA

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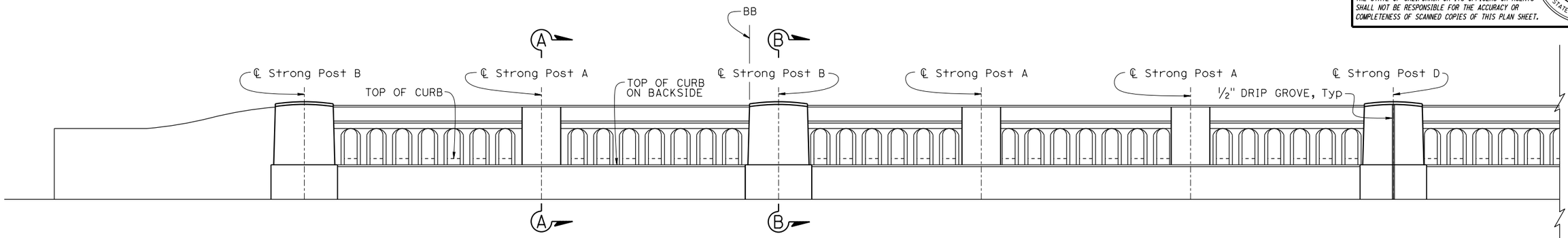
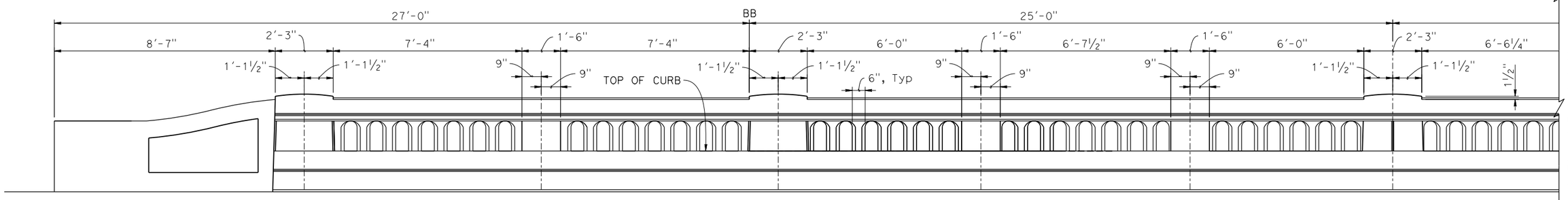


BACKSIDE ELEVATION

½" = 1'-0"

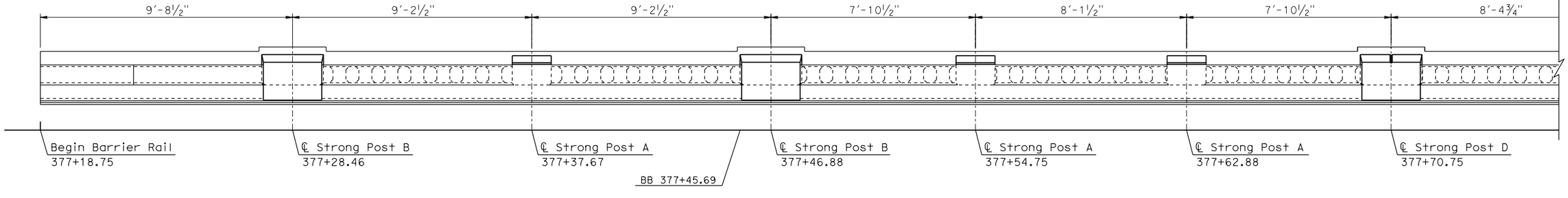
NOTE: Backside View (from ocean side) 6" Balusters



TRAFFIC SIDE ELEVATION

½" = 1'-0"

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



PLAN

½" = 1'-0"

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
DETAILS	BY David Elliott	CHECKED X			POST MILE 63.0
QUANTITIES	BY X	CHECKED X			

GARRAPATA CREEK BRIDGE

CONCRETE BARRIER TYPE 86H DETAILS No. 1

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

DATE PLOTTED => 7-SEP-2022 TIME PLOTTED => 08:31
FILE => 44-0018-c-sp01.dgn 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				SHEET	OF
8-1-22	9-1-22			X	X

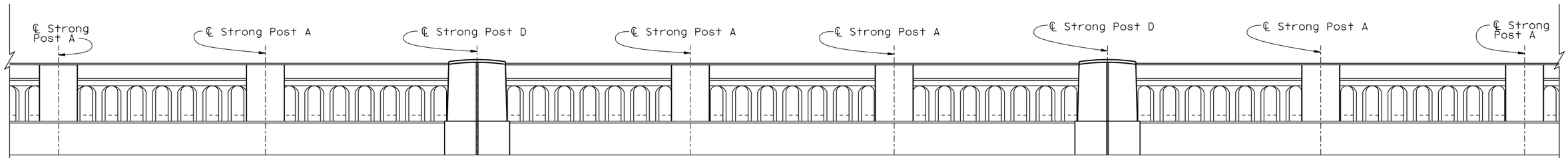
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER — DATE X

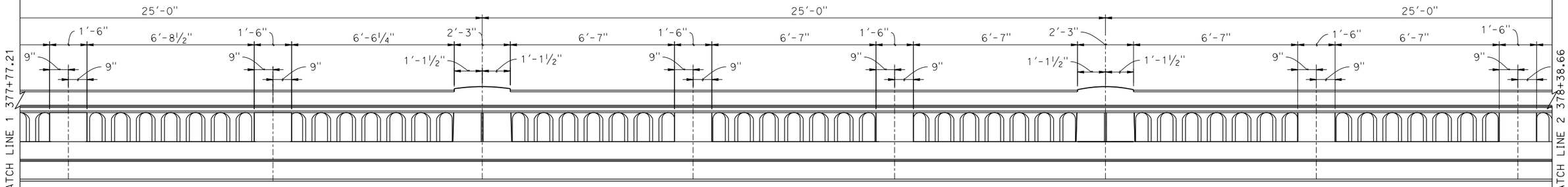
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. X — Exp. X — CIVIL — STATE OF CALIFORNIA

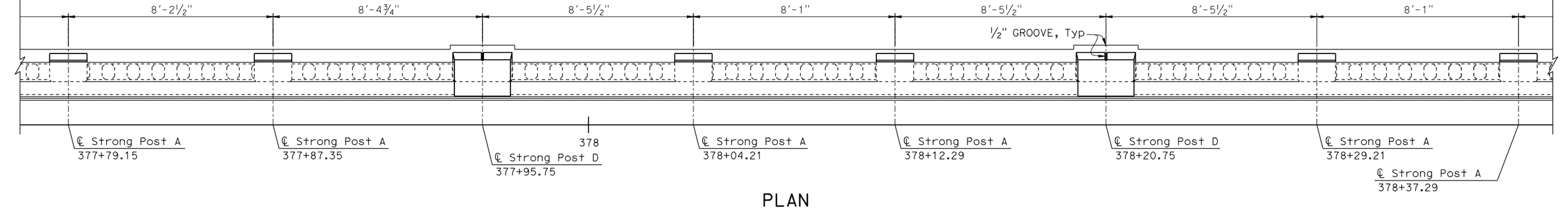
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



BACKSIDE ELEVATION
½" = 1'-0"



TRAFFIC SIDE ELEVATION
½" = 1'-0"



PLAN
½" = 1'-0"

	BY	CHECKED
DESIGN	Kimberly Mori	X
DETAILS	David Elliott	X
QUANTITIES	X	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
POST MILE 63.0

GARRAPATA CREEK BRIDGE

CONCRETE BARRIER TYPE 86H DETAILS No. 2

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

DATE PLOTTED => 7-SEP-2022 TIME PLOTTED => 08:31
FILE => 44-0018-c-sp02.dgn 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				SHEET	OF
8-1-22	9-1-22			X	X

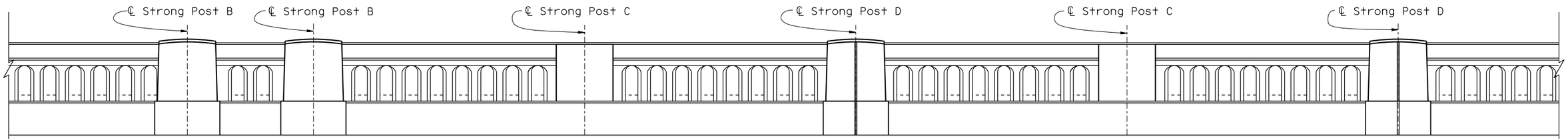
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER _____ DATE X

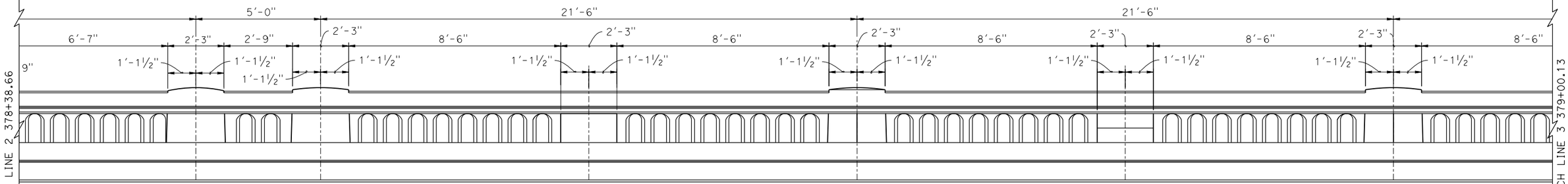
PLANS APPROVAL DATE _____

REGISTERED PROFESSIONAL ENGINEER — No. X — Exp. X — CIVIL — STATE OF CALIFORNIA

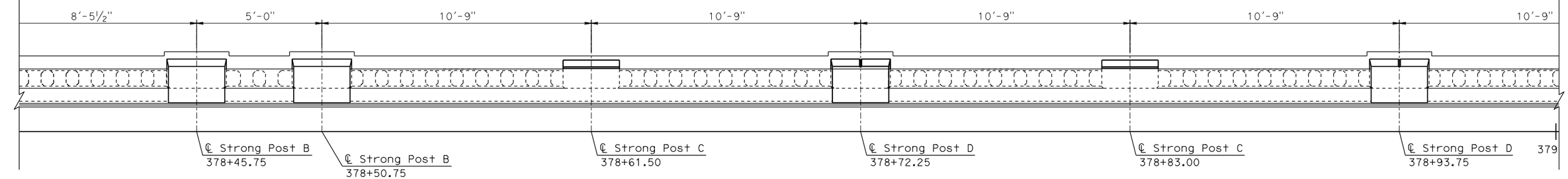
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



BACKSIDE ELEVATION
½" = 1'-0"



TRAFFIC SIDE ELEVATION
½" = 1'-0"



PLAN
½" = 1'-0"

DESIGN	BY X	CHECKED X	
DETAILS	BY X	CHECKED X	
QUANTITIES	BY X	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
POST MILE 63.0

GARRAPATA CREEK BRIDGE
CONCRETE BARRIER TYPE 86H DETAILS No. 3

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

DATE PLOTTED => 7-SEP-2022 TIME PLOTTED => 08:31
FILE => 44-0018-c-sp03.dgn 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				SHEET	OF
8-5-22	9-1-22			X	X

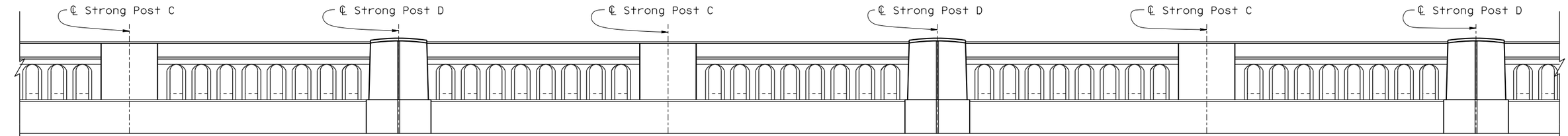
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER _____ DATE X

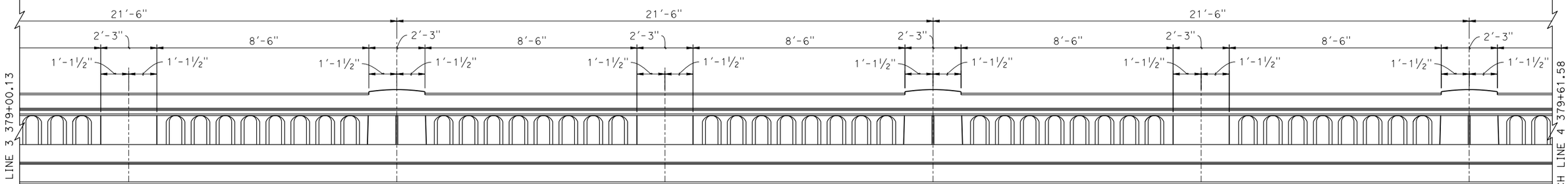
PLANS APPROVAL DATE _____

REGISTERED PROFESSIONAL ENGINEER — No. X — Exp. X — CIVIL — STATE OF CALIFORNIA

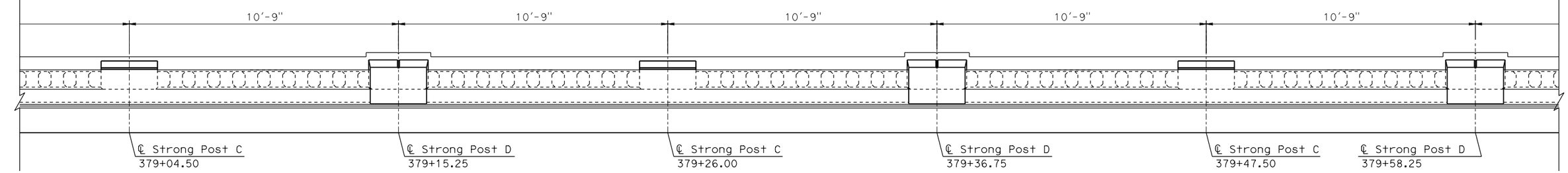
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



BACKSIDE ELEVATION
½" = 1'-0"



TRAFFIC SIDE ELEVATION
½" = 1'-0"



PLAN
½" = 1'-0"

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
DETAILS	BY David Elliott	CHECKED X			POST MILE 63.0
QUANTITIES	BY X	CHECKED X			

GARRAPATA CREEK BRIDGE

CONCRETE BARRIER TYPE 86H DETAILS No. 4

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

DATE PLOTTED => 7-SEP-2022 TIME PLOTTED => 08:31
FILE => 44-0018-c-sp04.dgn 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				SHEET	OF
8-5-22	9-1-22			X	X

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

REGISTERED CIVIL ENGINEER _____ DATE X

PLANS APPROVAL DATE _____

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

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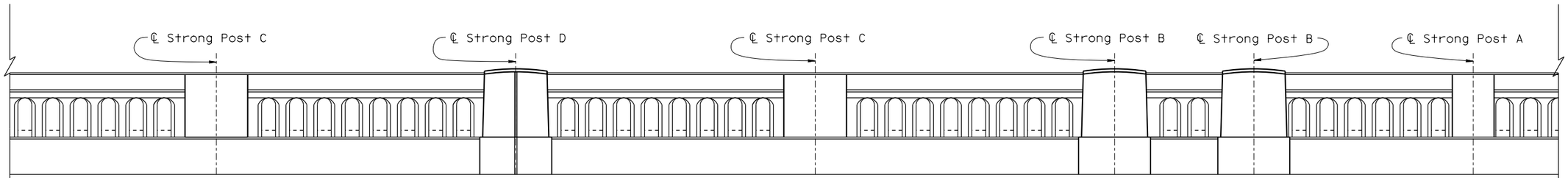
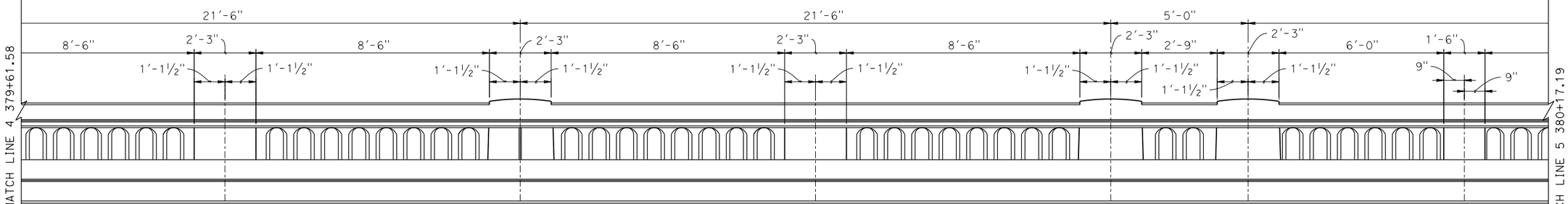
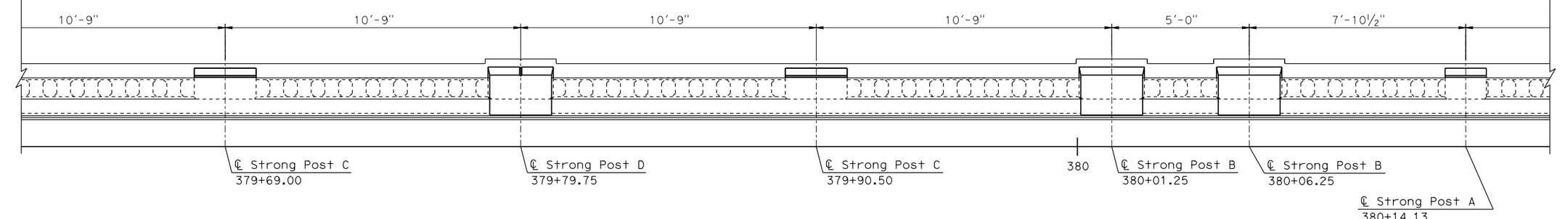


BACKSIDE ELEVATION
½" = 1'-0"



TRAFFIC SIDE ELEVATION
½" = 1'-0"



PLAN
½" = 1'-0"

	BY	CHECKED
DESIGN	Kimberly Mori	X
DETAILS	David Elliott	X
QUANTITIES	X	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
POST MILE 63.0

GARRAPATA CREEK BRIDGE
CONCRETE BARRIER TYPE 86H DETAILS No. 5

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

DATE PLOTTED => 7-SEP-2022 TIME PLOTTED => 08:31
FILE => 44-0018-c-sp05.dgn 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				SHEET	OF
~~8-5-22~~	9-1-22			X	X

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

REGISTERED CIVIL ENGINEER — DATE X

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. X — Exp. X — CIVIL — STATE OF CALIFORNIA

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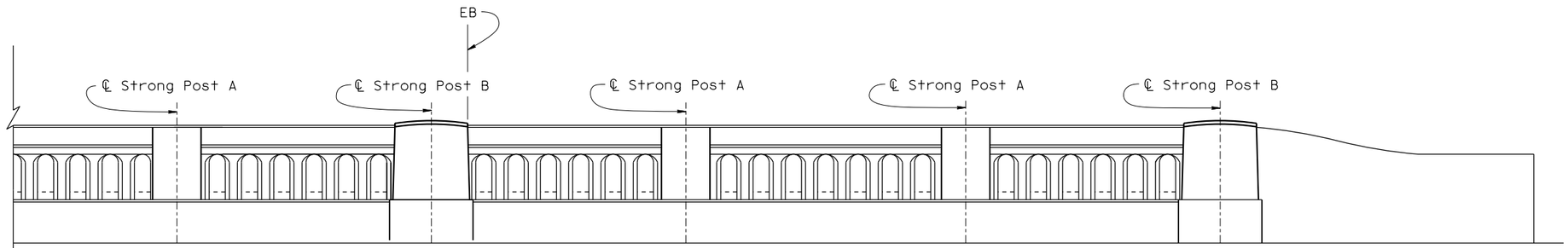
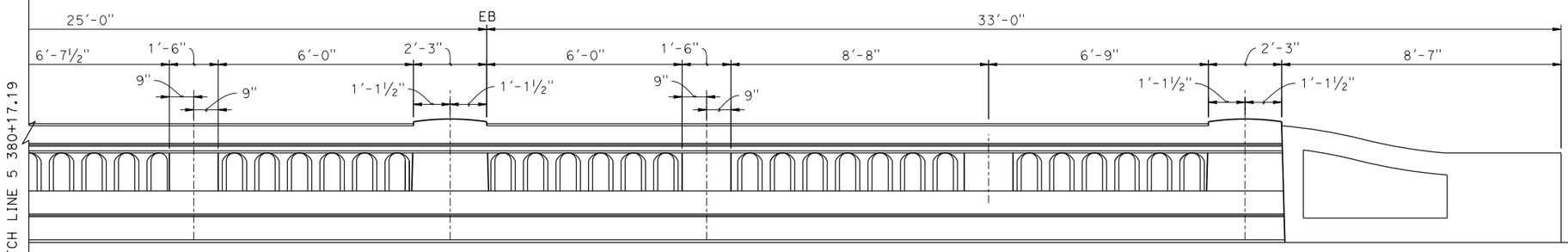
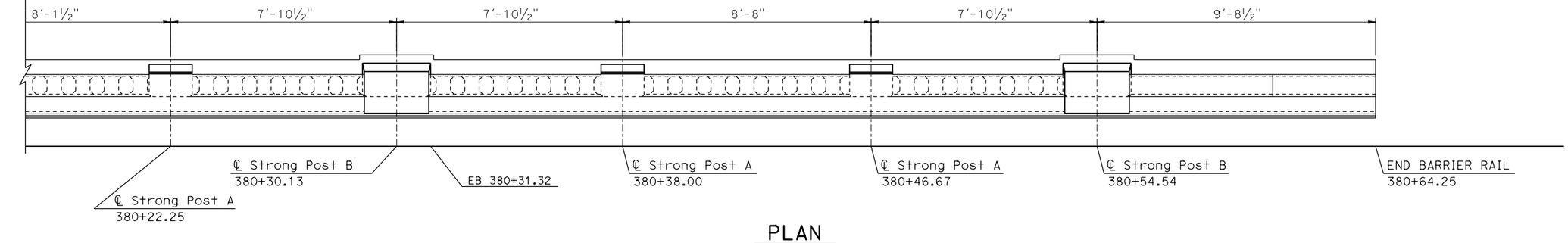


BACKSIDE ELEVATION
½" = 1'-0"



TRAFFIC SIDE ELEVATION
½" = 1'-0"



PLAN
½" = 1'-0"

	BY	CHECKED
DESIGN	Kimberly Mori	X
DETAILS	David Elliott	X
QUANTITIES	X	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
POST MILE 63.0

GARRAPATA CREEK BRIDGE
CONCRETE BARRIER TYPE 86H DETAILS No. 6

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

DATE PLOTTED => 7-SEP-2022 TIME PLOTTED => 08:32
FILE => 44-0018-c-sp06.dgn 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				SHEET	OF
8-5-22	9-1-22			X	X

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

REGISTERED CIVIL ENGINEER _____ DATE X

PLANS APPROVAL DATE _____

REGISTERED PROFESSIONAL ENGINEER — No. X — Exp. X — CIVIL — STATE OF CALIFORNIA

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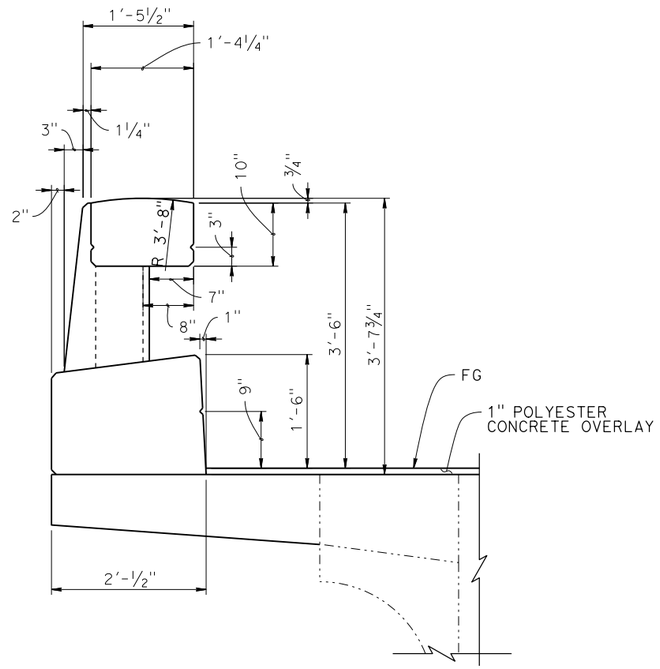
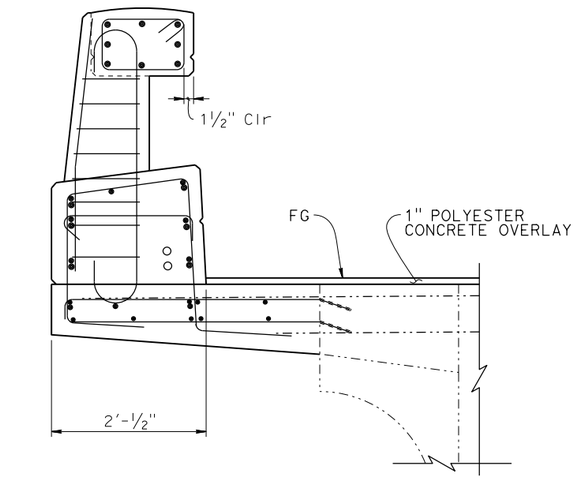
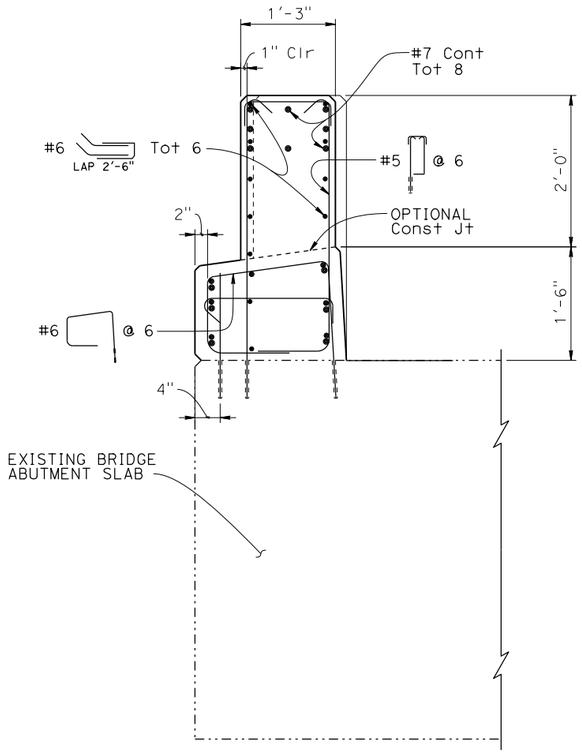


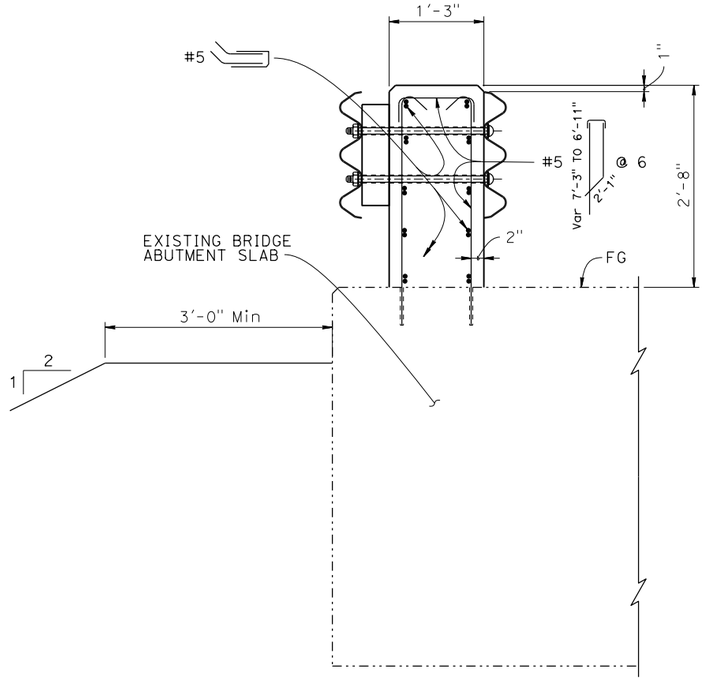
TYPICAL SECTION
1" = 1'-0"



TYPICAL SECTION - TYPE 86H
1" = 1'-0"



SECTION D-D
1" = 1'-0"



SECTION E-E
1" = 1'-0"

DESIGN	BY Kimberly Mori	CHECKED X	
DETAILS	BY David Elliott	CHECKED X	
QUANTITIES	BY X	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
POST MILE 63.0

GARRAPATA CREEK BRIDGE
CONCRETE BARRIER TYPE 86H DETAILS No. 7

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

DATE PLOTTED => 7-SEP-2022 TIME PLOTTED => 08:32
FILE => 44-0018-c-sp07.dgn 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				SHEET	OF
8-1-22	8-9-22	9-2-22		X	X

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

REGISTERED CIVIL ENGINEER — DATE X

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. X — Exp. X — CIVIL — STATE OF CALIFORNIA

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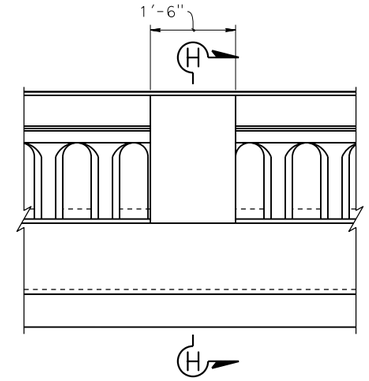
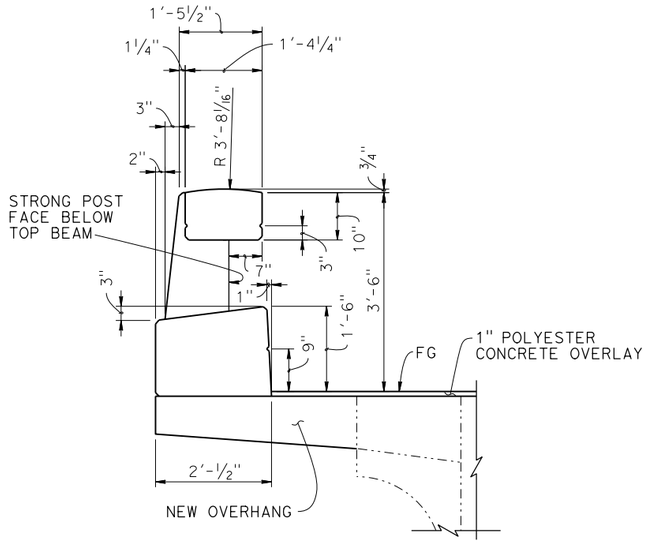


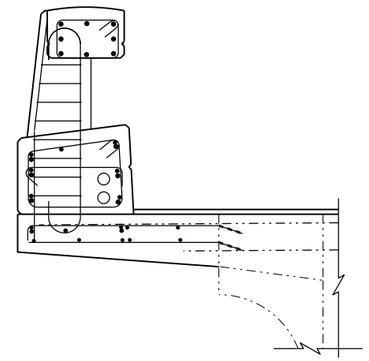
STRONG POST A TYPICAL

3/4" = 1'-0"



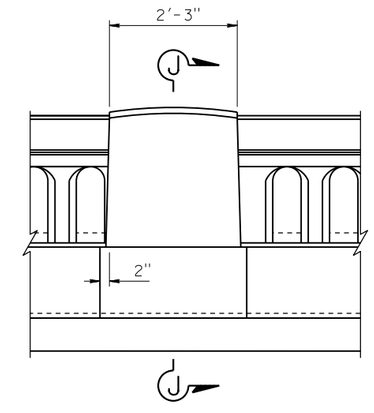
SECTION H-H

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



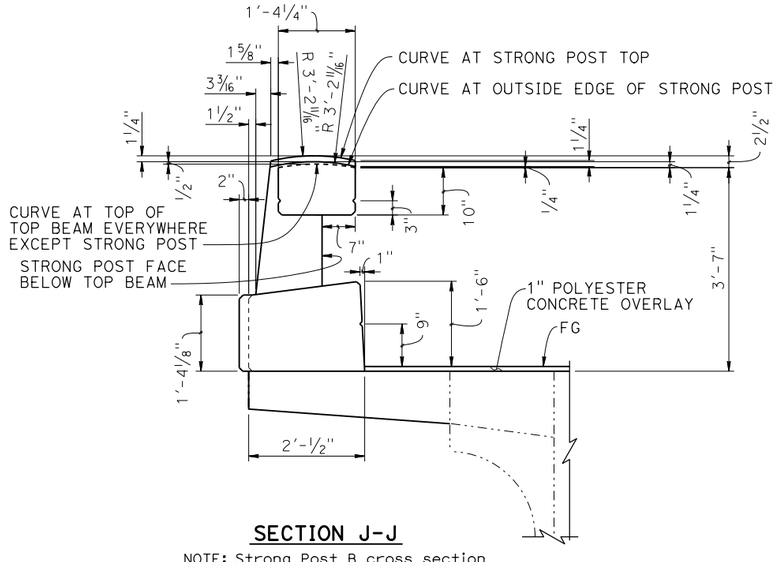
SECTION H-H

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



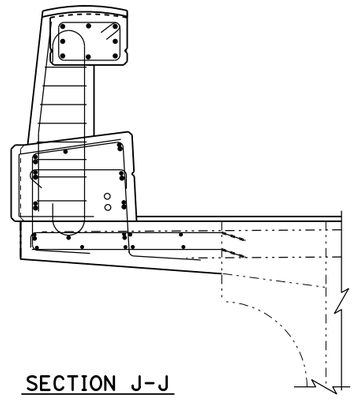
STRONG POST B TYPICAL

3/4" = 1'-0"



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.

	BY	CHECKED
DESIGN	Kimberly Mori	X
DETAILS	David Elliott	X
QUANTITIES	X	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
POST MILE 63.0

GARRAPATA CREEK BRIDGE

CONCRETE BARRIER TYPE 86H DETAILS No. 8

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

DATE PLOTTED => 7-SEP-2022 TIME PLOTTED => 08:32
FILE => 44-0018-c-sp08.dgn 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				SHEET	OF
8-1-22	8-8-22	9-2-22		X	X

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

REGISTERED CIVIL ENGINEER _____ DATE X

PLANS APPROVAL DATE _____

REGISTERED PROFESSIONAL ENGINEER — No. X — Exp. X — CIVIL — STATE OF CALIFORNIA

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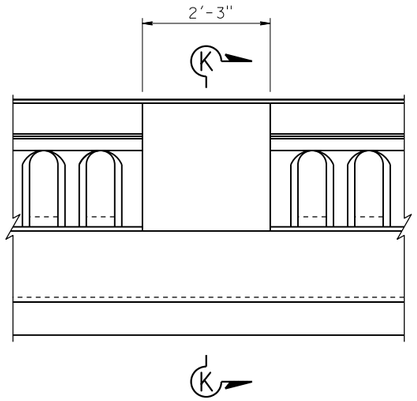
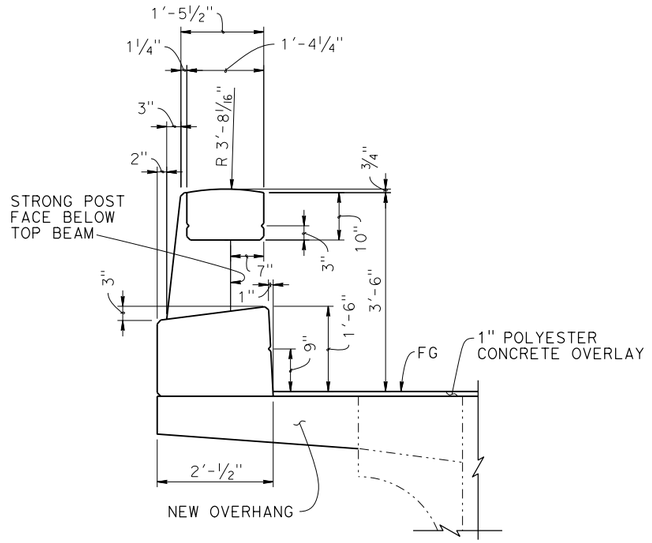


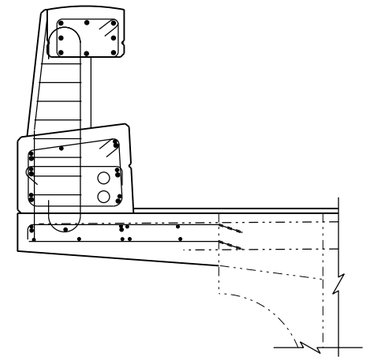
STRONG POST C TYPICAL

3/4" = 1'-0"



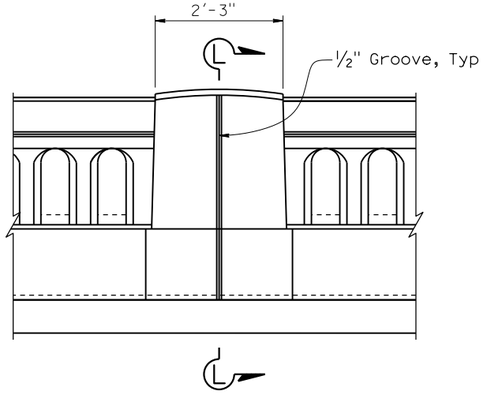
SECTION K-K

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



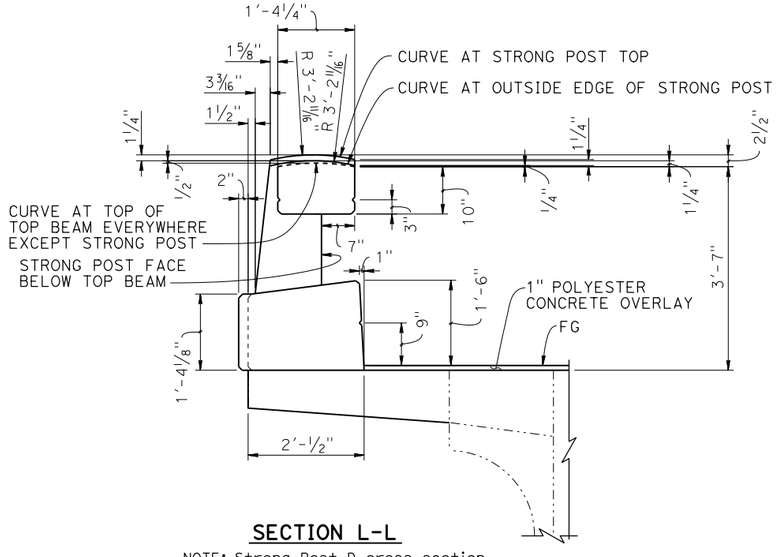
SECTION K-K

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



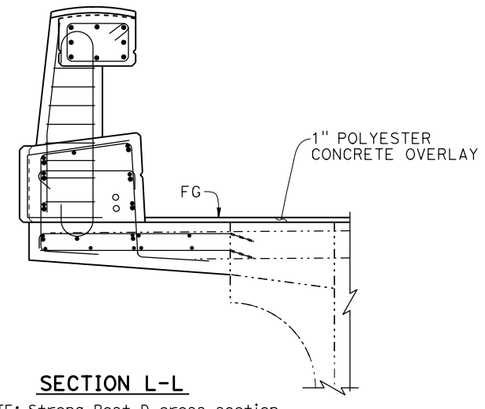
STRONG POST D TYPICAL

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
DETAILS	BY David Elliott	CHECKED X			POST MILE 63.0
QUANTITIES	BY X	CHECKED X			

GARRAPATA CREEK BRIDGE

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
FILE => 44-0018-c-sp09.dgn 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				SHEET	OF
9-7-22	----	----		X	X

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

REGISTERED CIVIL ENGINEER — DATE X

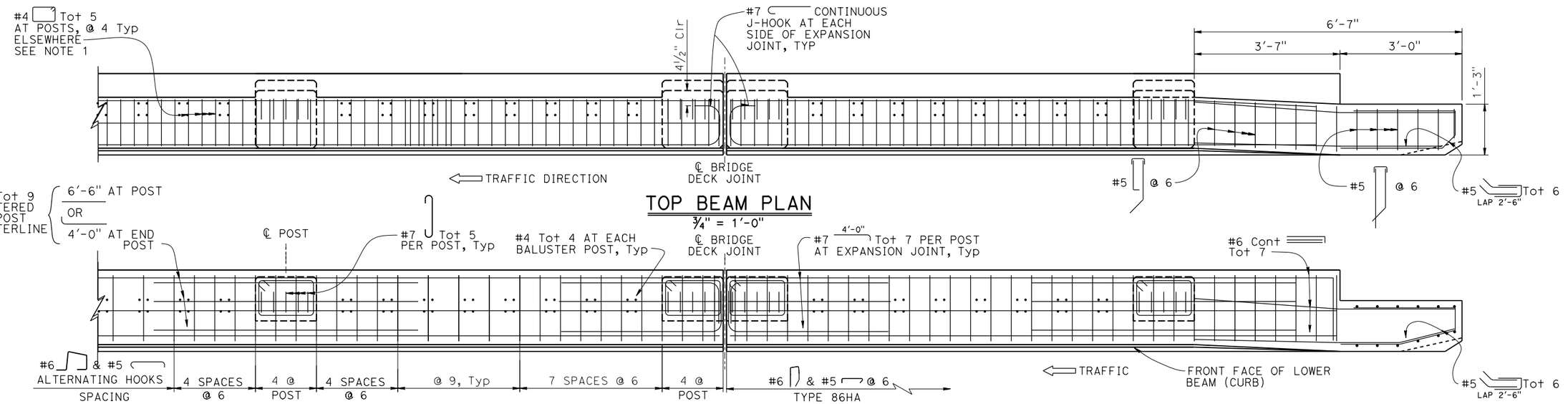
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. X — Exp. X — 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.

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.

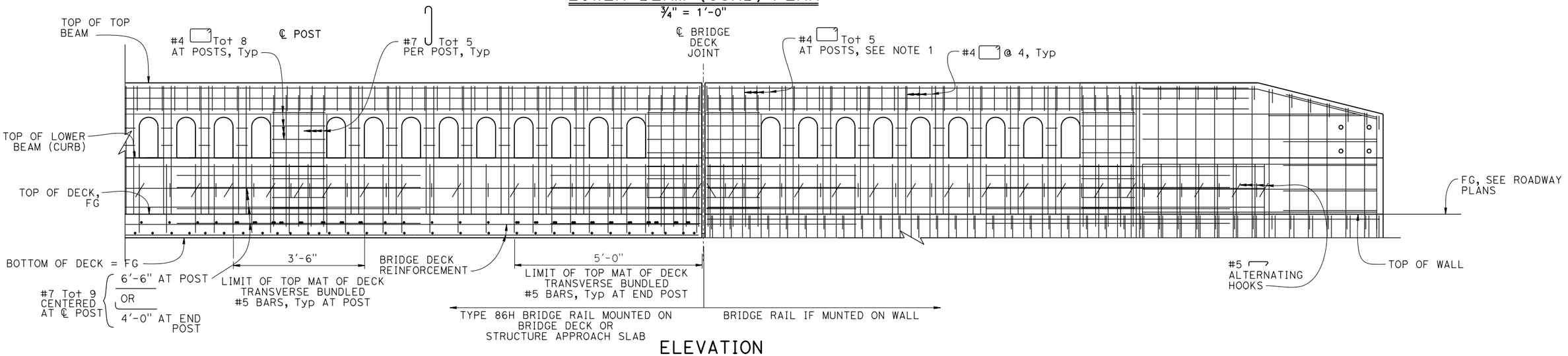


TOP BEAM PLAN

¾" = 1'-0"

LOWER BEAM (CURB) PLAN

¾" = 1'-0"



ELEVATION

¾" = 1'-0"

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
DETAILS	BY David Elliott	CHECKED X			POST MILE 63.0
QUANTITIES	BY X	CHECKED X			

GARRAPATA CREEK BRIDGE

CONCRETE BARRIER TYPE 86H DETAILS No. 10

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

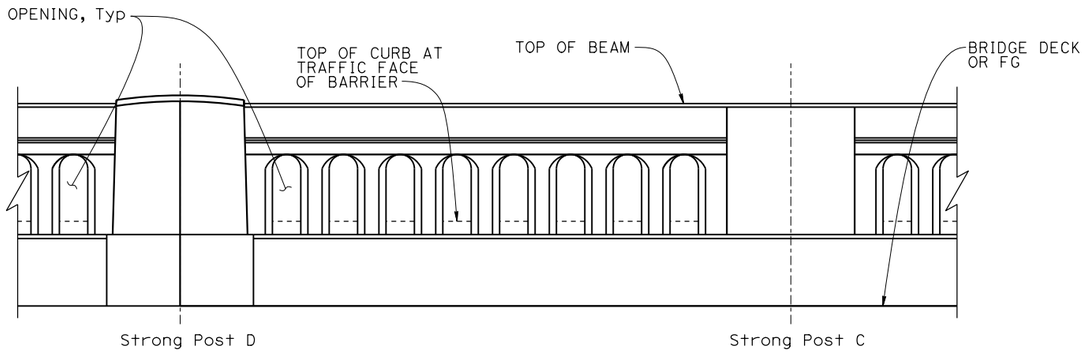
DATE PLOTTED => 7-SEP-2022 TIME PLOTTED => 08:32
FILE => 44-0018-c-sp10.dgn USERNAME => s123982
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3619
PROJECT NUMBER & PHASE: 05160001631

COUNTY/ROUTE: Mon/1
CONTRACT No.: 05-1H8004

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES					SHEET	OF
8-5-22					X	X



ELEVATION WITH CHAMFERED BALUSTERS

CLEAR OPENINGS & BALUSTERS

3/4"= 1'-0"

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.

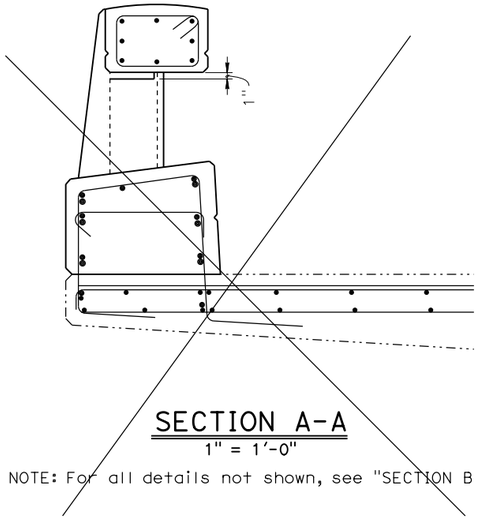
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER — X — DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — X — No. X — Exp. X — CIVIL — STATE OF CALIFORNIA

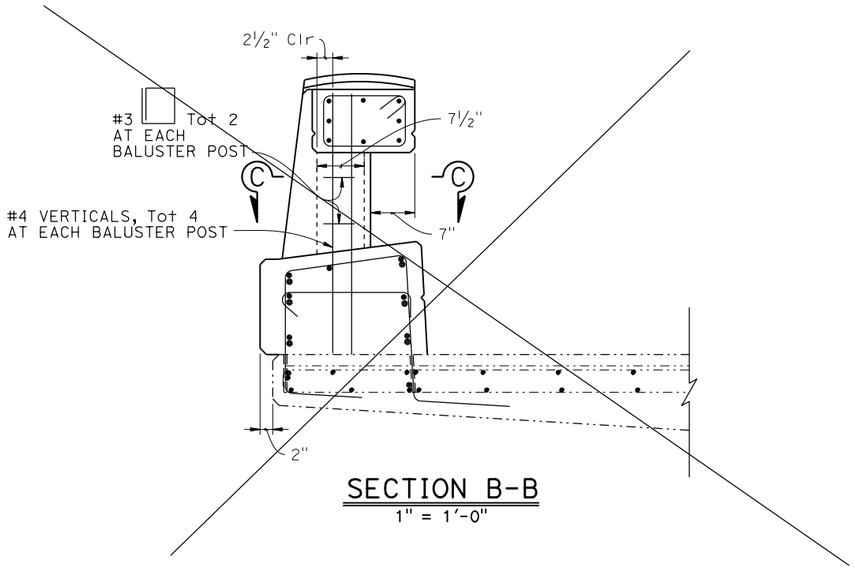
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



SECTION A-A

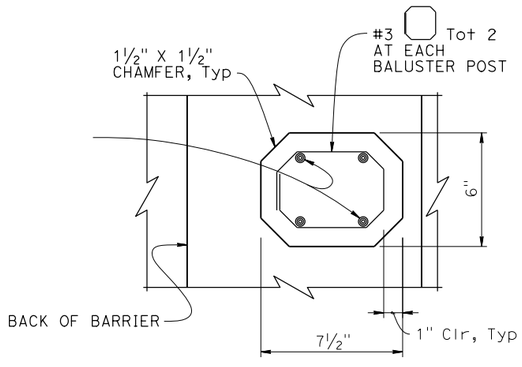
1" = 1'-0"

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



SECTION B-B

1" = 1'-0"



SECTION C-C

3" = 1'-0"

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
DETAILS	BY David Elliott	CHECKED X			POST MILE 63.0
QUANTITIES	BY X	CHECKED X			

GARRAPATA CREEK BRIDGE

CONCRETE BARRIER TYPE 86H DETAILS No. 11

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

DATE PLOTTED => 7-SEP-2022 TIME PLOTTED => 08:32
FILE => 44-0018-c-sp11.dgn 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				SHEET	OF
8-1-22	8-8-22			X	X

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

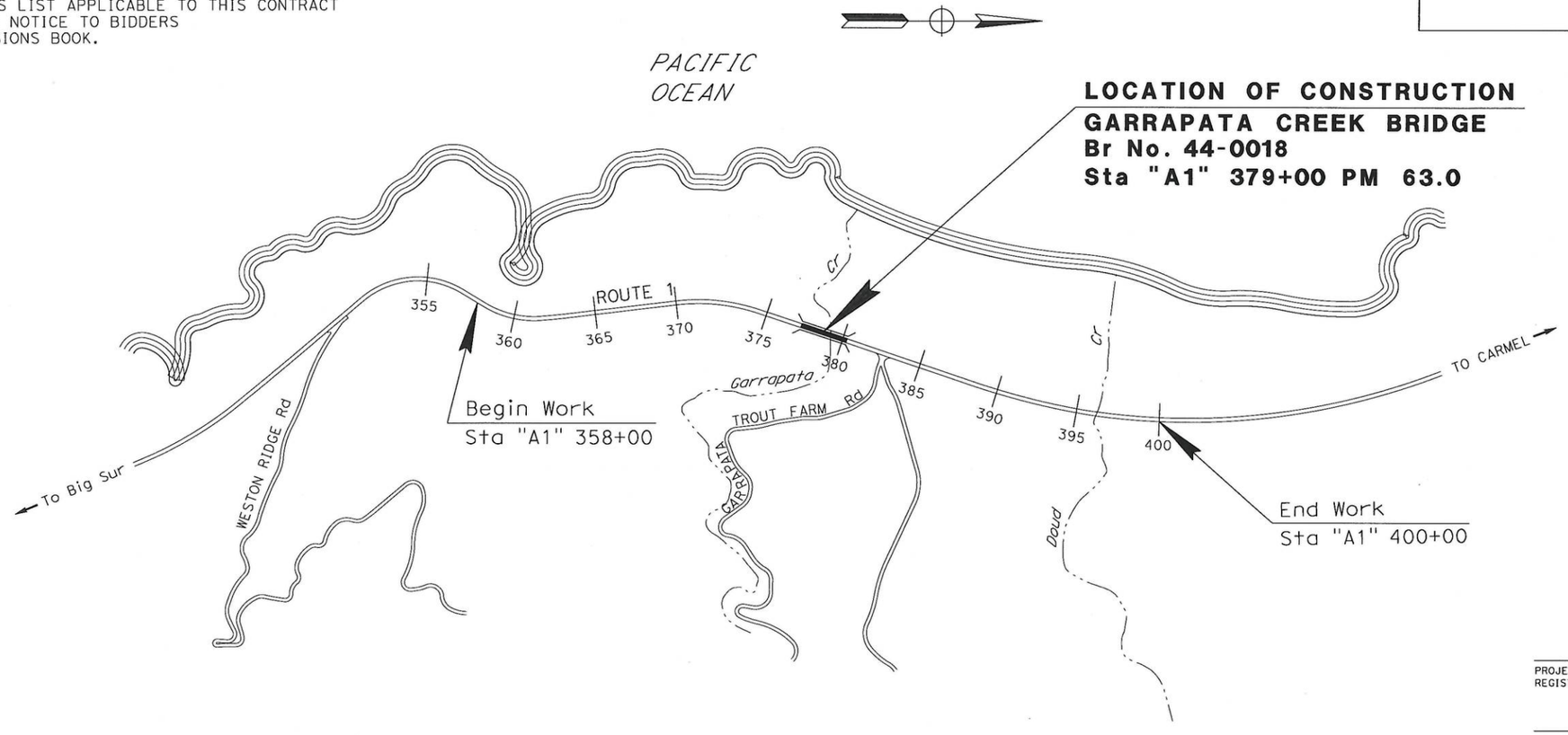
STATE HIGHWAY

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

LOCATION MAP



NO SCALE

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

PROJECT ENGINEER DATE
REGISTERED CIVIL 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.

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

CONTRACT No.	05-1H8004
PROJECT ID	0516000163

LAST REVISION 00-00-00
DATE PLOTTED => $DATE
TIME PLOTTED => $TIME

PROJECT MANAGER: CARLA YU
DESIGN MANAGER: JOSE HUERTA

BORDER LAST REVISED 8/1/2016 | CALTRANS WEB SITE IS: HTTP//WWW.DOT.CA.GOV/ | RELATIVE BORDER SCALE 0 1 2 3 | USERNAME => $USER | UNIT 1457 | PROJECT NUMBER & PHASE 0516000163

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	63.0	2	

REGISTERED CIVIL ENGINEER DATE

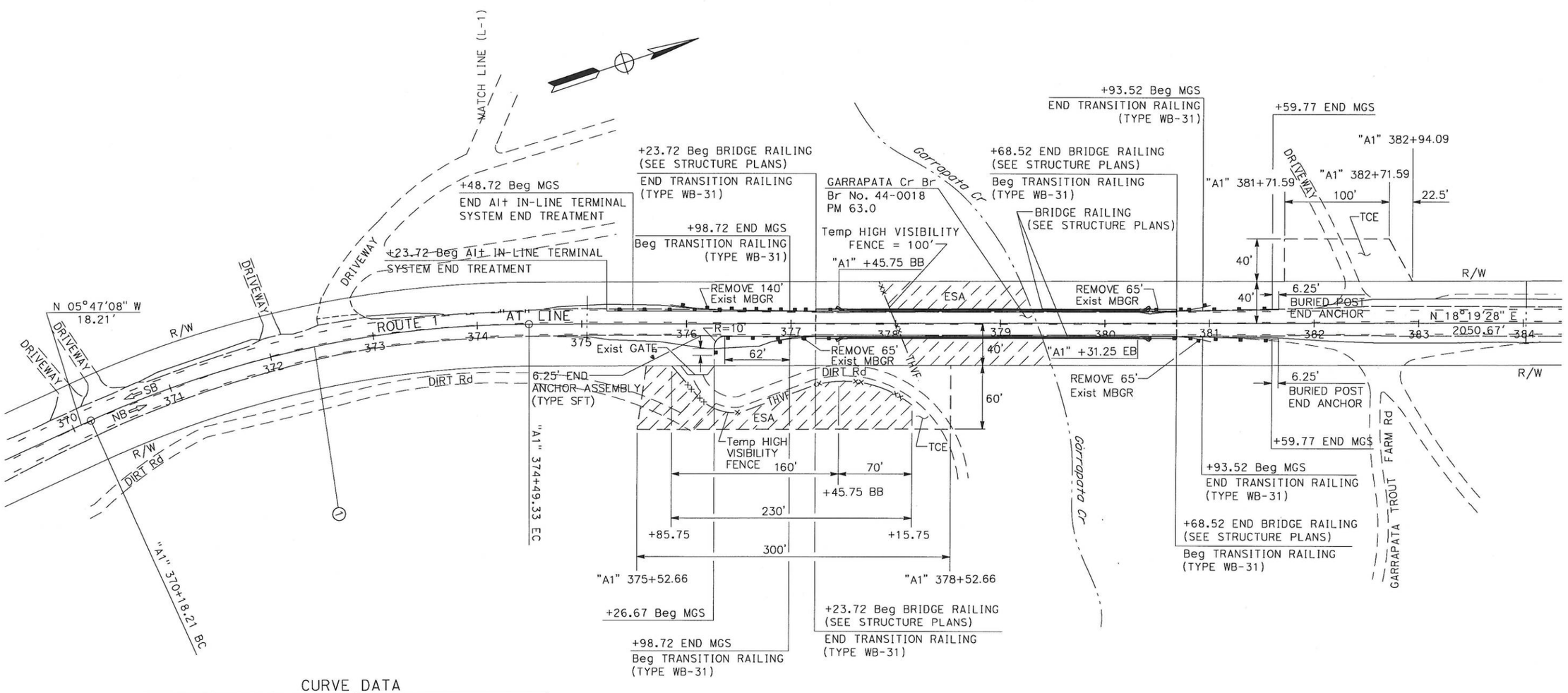
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. — Exp. — 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.

NOTE:

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



CURVE DATA

No. ℗	R	Δ	T	L
1	1024.54	24°06'36"	218.80	431.12

LAYOUT

SCALE 1" = 50' **L-1**

CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED
HUY HA	JOSE HUERTA	HUY HA	00-00-00

FUNCTIONAL SUPERVISOR: JOSE HUERTA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DESIGN

Caltrans

LAST REVISION 00-00-00 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | RELATIVE BORDER SCALE 0 1 2 3 | UNIT 1457 | PROJECT NUMBER & PHASE 05160001631

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

REGISTERED CIVIL ENGINEER DATE

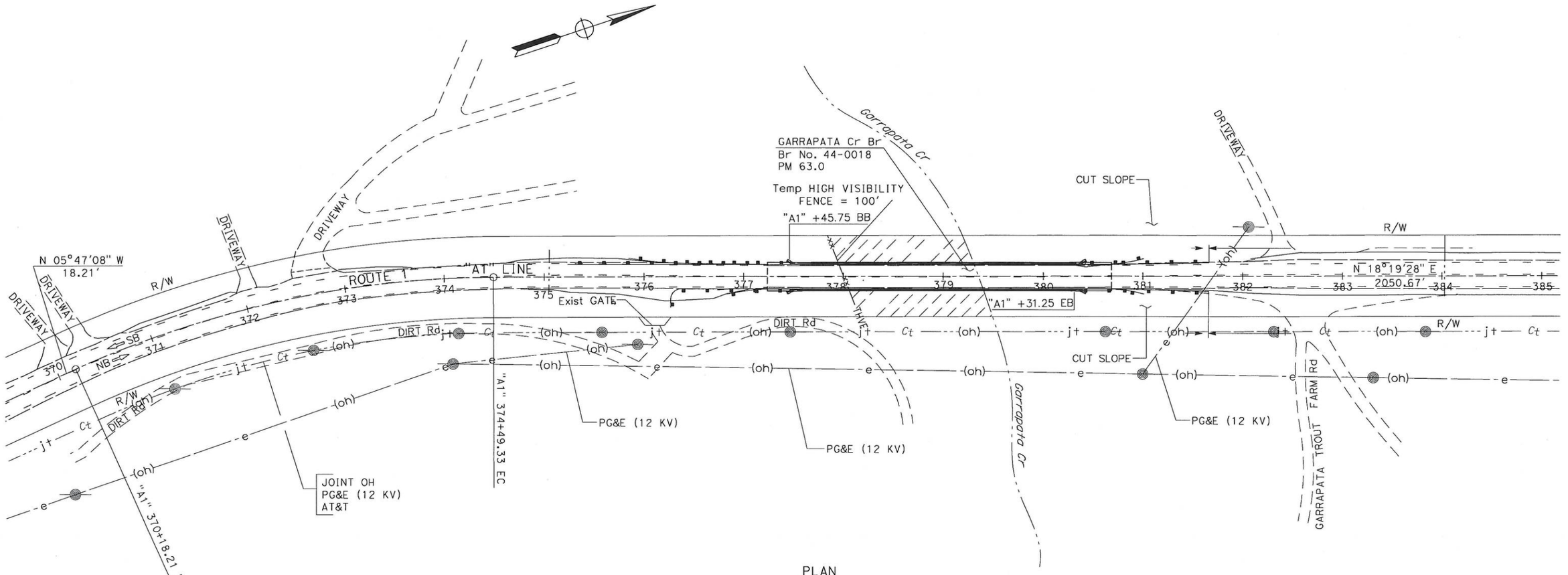
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. 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.

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



PLAN

GARRAPATA CREEK BRIDGE AT PM 63.0

THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

UTILITY PLAN

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

CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED
HUY HA	JOSE HUERTA	HUY HA	00-00-00

FUNCTIONAL SUPERVISOR: JOSE HUERTA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® **DESIGN**

LAST REVISION 00-00-00 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | RELATIVE BORDER SCALE 0 1 2 3 | UNIT 1457 | PROJECT NUMBER & PHASE 0516000163I

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	63.00	4	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

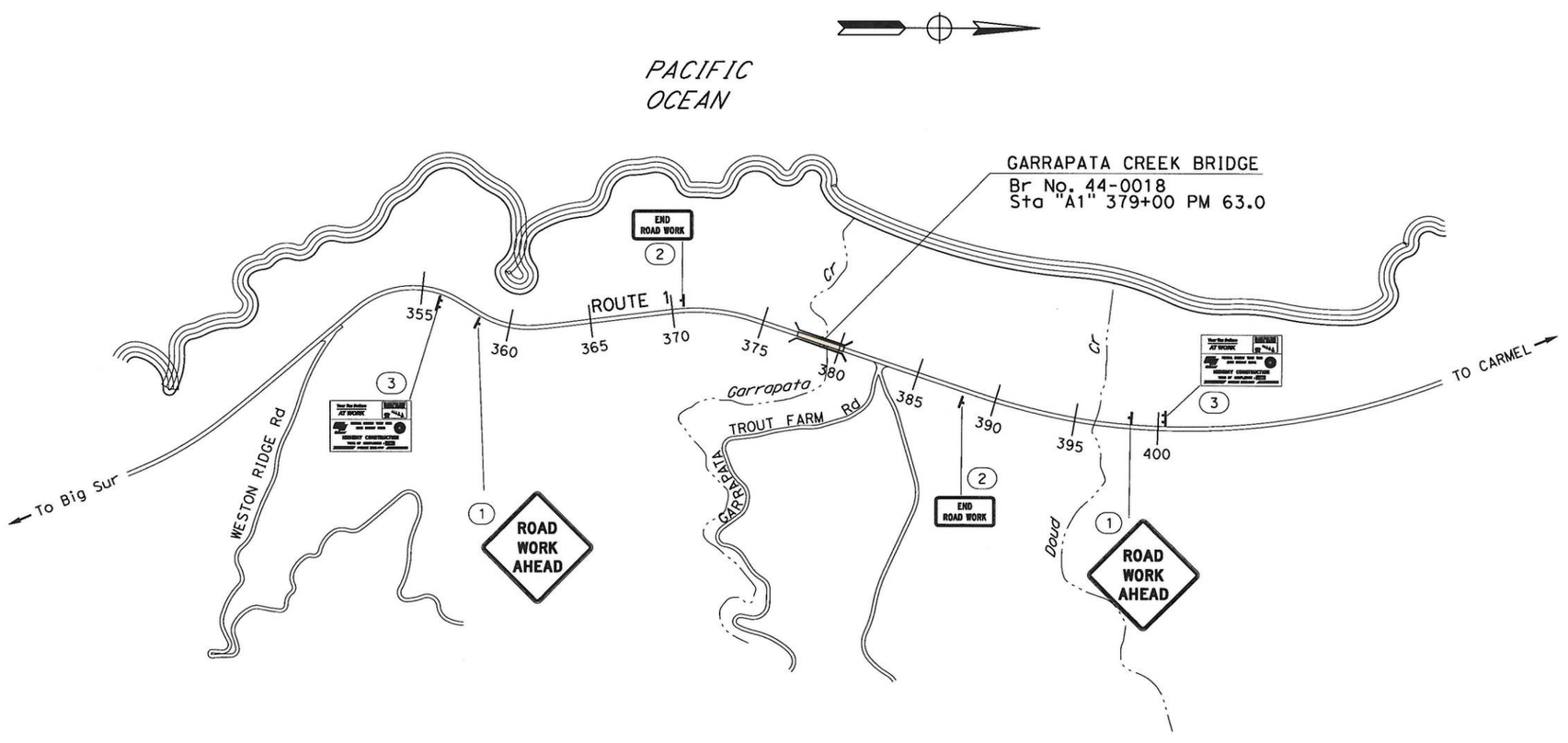
REGISTERED PROFESSIONAL ENGINEER
QUAY F. CHESTER
No. 92096
Exp. 03/31/23
CIVIL
STATE OF CALIFORNIA

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.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No. (X)	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.



CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

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

LAST REVISION 00-00-00 DATE PLOTTED => 1/24/2022 TIME PLOTTED => 9:56:20 AM

BORDER LAST REVISED 7/2/2010 | USERNAME => DGN FILE => ...\0516000163la001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 4651 | PROJECT NUMBER & PHASE 0516000163

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	63.0	5	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

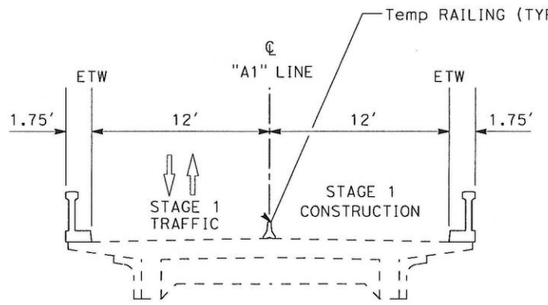
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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



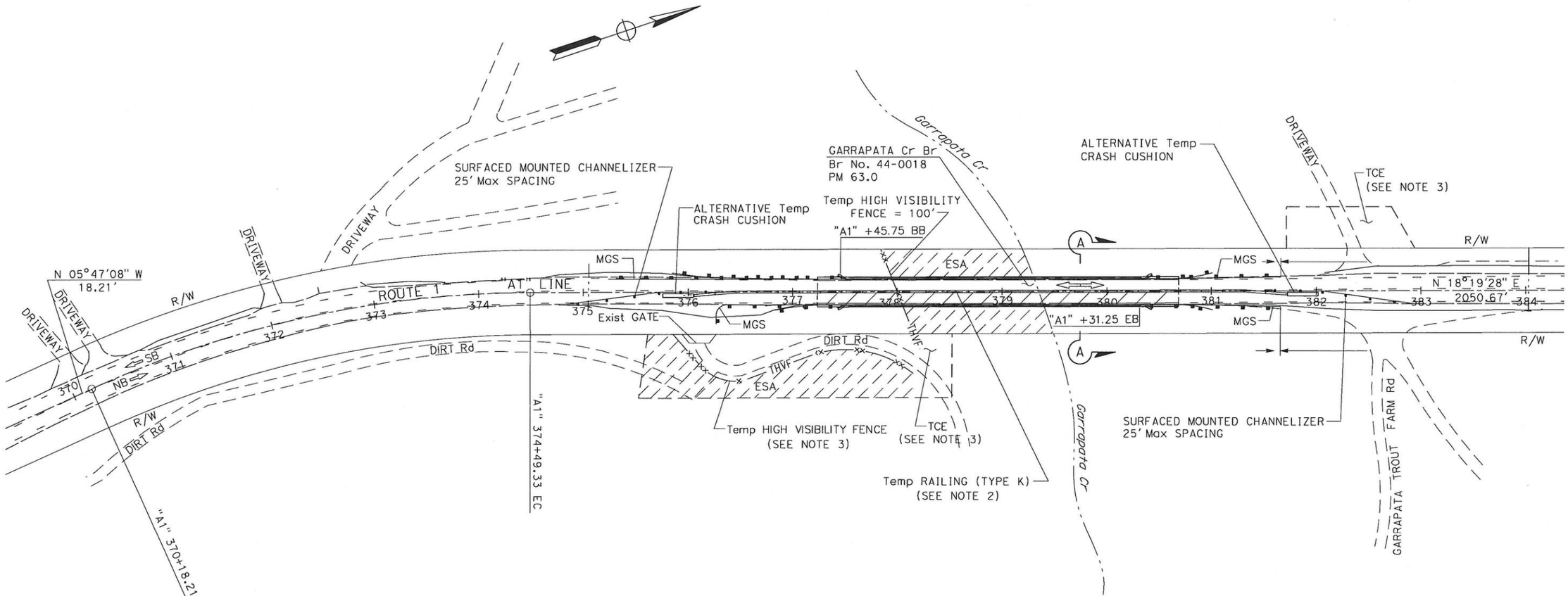
SECTION A-A

DESIGN DESIGNATION (ROUTE 1)

ADT (2022)	5,572	D	90%
ADT (2042)	7,144	T	14%
DHV	820	V	65 mph

PAVEMENT CLIMATE REGION

CENTRAL COAST



PLAN

GARRAPATA CREEK BRIDGE AT PM 63.0

(STAGE 1)

APPROVED FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION PLAN

(STAGE 1)

SCALE 1" = 50'

SC-1

CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED
HUY HA	JOSE HUERTA	HUY HA	00-00-00

FUNCTIONAL SUPERVISOR: JOSE HUERTA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® DESIGN

LAST REVISION 00-00-00 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | RELATIVE BORDER SCALE 0 1 2 3 | UNIT 1457 | PROJECT NUMBER & PHASE 05160001631

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

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA

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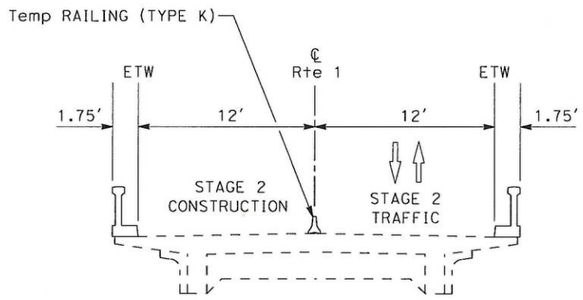
NOTES:

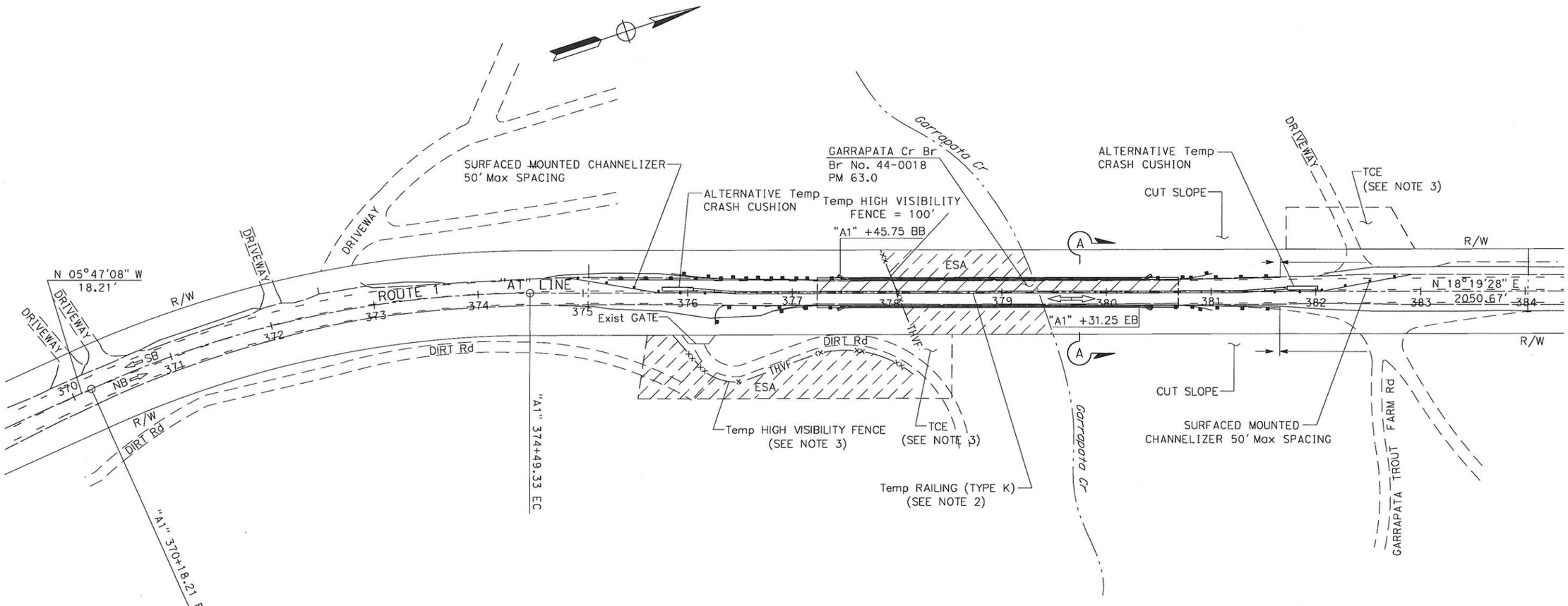
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. SEE TRAFFIC HANDLING PLAN FOR THE LENGTH OF K-RAIL.
3. SEE TRAFFIC LAYOUT PLAN FOR THE LENGTH OF TEMPORARY HIGH VISIBILITY FENCE AND AREA OF TEMPORARY CONSTRUCTION EASEMENT.

LEGEND:

CONSTRUCT THIS STAGE



SECTION A-A



PLAN

GARRAPATA CREEK BRIDGE AT PM 63.0

(STAGE 2)

APPROVED FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION PLAN

(STAGE 2)

SCALE 1" = 50'

SC-2

CALCULATED-DESIGNED BY	HUY HA	REVISED BY	HUY HA
CHECKED BY	JOSE HUERTA	DATE REVISED	00-00-00

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — Caltrans®

FUNCTIONAL SUPERVISOR: JOSE HUERTA — DESIGN

LAST REVISION 00-00-00 — DATE PLOTTED => $DATE — TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | DGN FILE => $REQUEST | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1457 | PROJECT NUMBER & PHASE 05160001631

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

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — QUAY F. CHESTER — No. 92096 — Exp. 03/31/23 — 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.

NOTES:

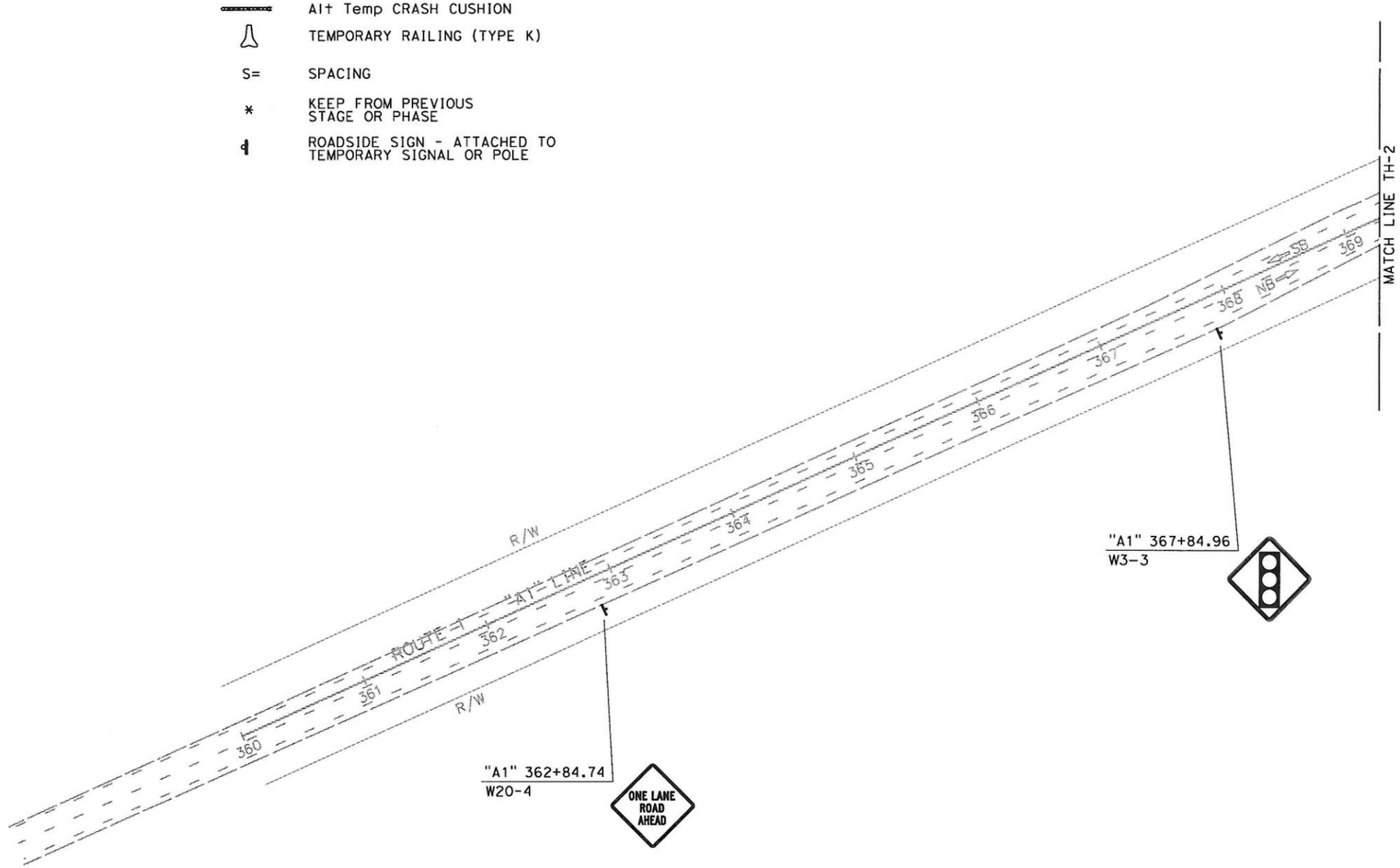
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
3. ADDITIONAL SIGNS MAY BE INSTALLED ON THE MAINLINE, AND OTHER LOCATIONS, AS DETERMINED BY THE ENGINEER.
4. FOR ADDITIONAL CONSTRUCTION AREA SIGNS, REFER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

ABBREVIATIONS:

Rem - REMOVE

LEGEND:

- CONSTRUCT THIS STAGE
- CHANNELIZER (SURFACE MOUNTED)
- Alt Temp CRASH CUSHION
- TEMPORARY RAILING (TYPE K)
- S= 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	Caltrans
TRAFFIC DESIGN	
FUNCTIONAL SUPERVISOR	MOHAMMED QATAMI
CALCULATED-DESIGNED BY	QUAY CHESTER
CHECKED BY	FAWZI YAGHMOUR
REVISED BY	
DATE REVISED	
LAST REVISION	00-00-00
DATE PLOTTED =>	1/24/2022
TIME PLOTTED =>	9:56:21 AM

BORDER LAST REVISED 7/2/2010 | USERNAME => | DGN FILE => ...\0516000163md001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 4651 | PROJECT NUMBER & PHASE 0516000163

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	63.00	8	

REGISTERED CIVIL ENGINEER DATE

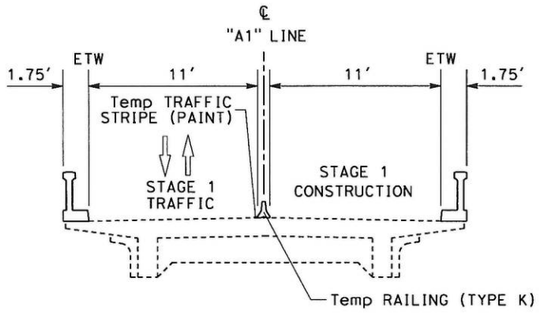
PLANS APPROVAL DATE

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.

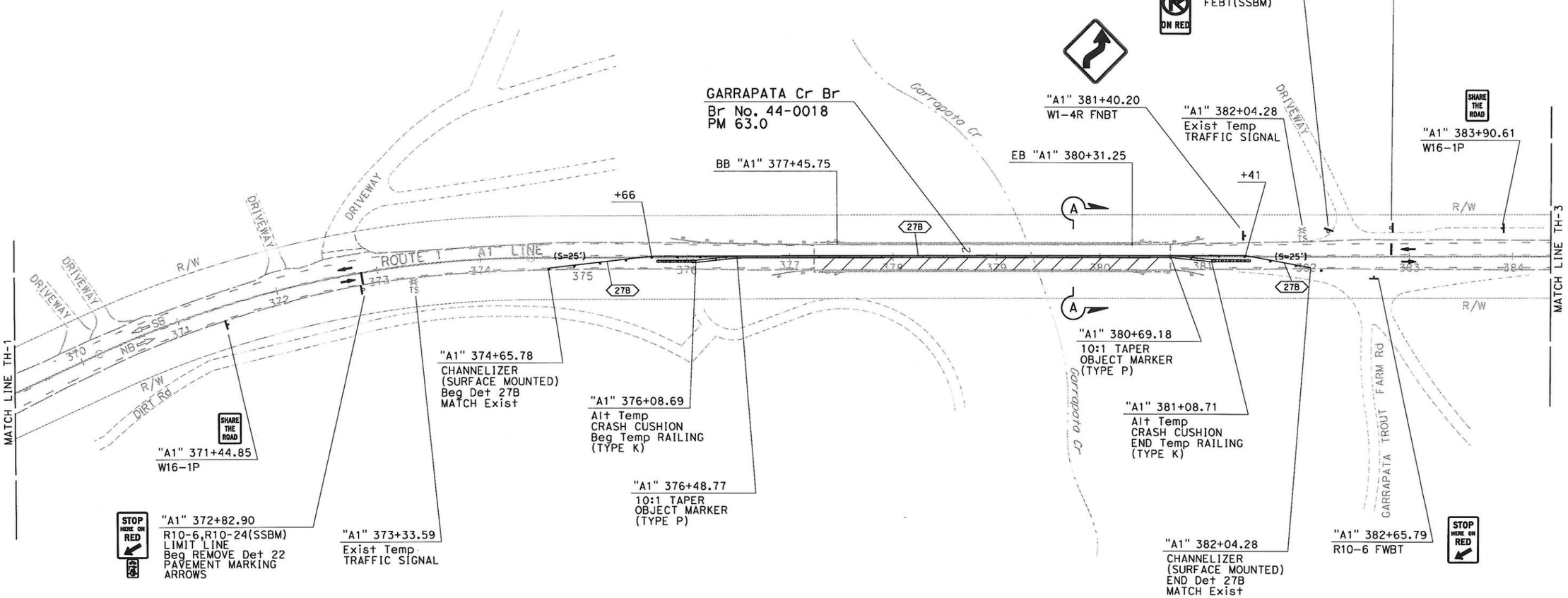
REGISTERED PROFESSIONAL ENGINEER — QUAY F. CHESTER No. 92096 Exp. 03/31/23 CIVIL — STATE OF CALIFORNIA

NOTES:

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



SECTION A-A



APPROVED FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN

STAGE 1

SCALE: 1" = 50'

TH-2

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

LAST REVISION: 00-00-00
DATE PLOTTED => 1/24/2022
TIME PLOTTED => 9:56:21 AM

BORDER LAST REVISED 7/2/2010 | USERNAME => DGN FILE => ...\0516000163md002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 4651 | PROJECT NUMBER & PHASE 0516000163

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	63.00	9	

REGISTERED CIVIL ENGINEER DATE

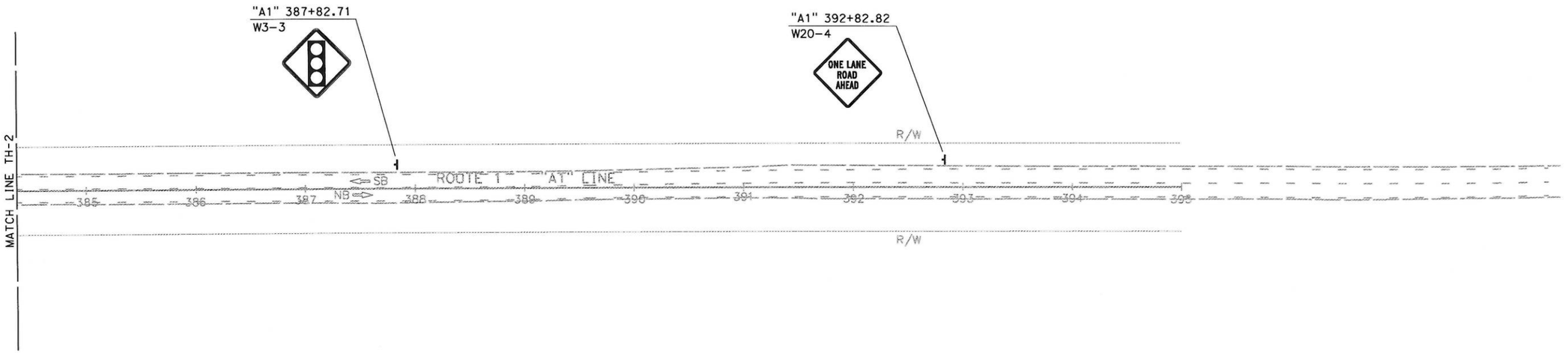
PLANS APPROVAL DATE

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

NOTES:

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



APPROVED FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN
STAGE 1
SCALE: 1" = 50'

TH-3

CALCULATED-DESIGNED BY	QUAY CHESTER
CHECKED BY	FAWZI YAGHMOUR
FUNCTIONAL SUPERVISOR	MOHAMMED OATAMI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	TRAFFIC DESIGN

REVISED BY	DATE REVISED

LAST REVISION DATE PLOTTED => 1/24/2022
00-00-00 TIME PLOTTED => 9:56:22 AM

BORDER LAST REVISED 7/2/2010 | USERNAME => DGN FILE => ...\0516000163md003.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 4651 | PROJECT NUMBER & PHASE 0516000163

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	63.00	10	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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

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NOTES:

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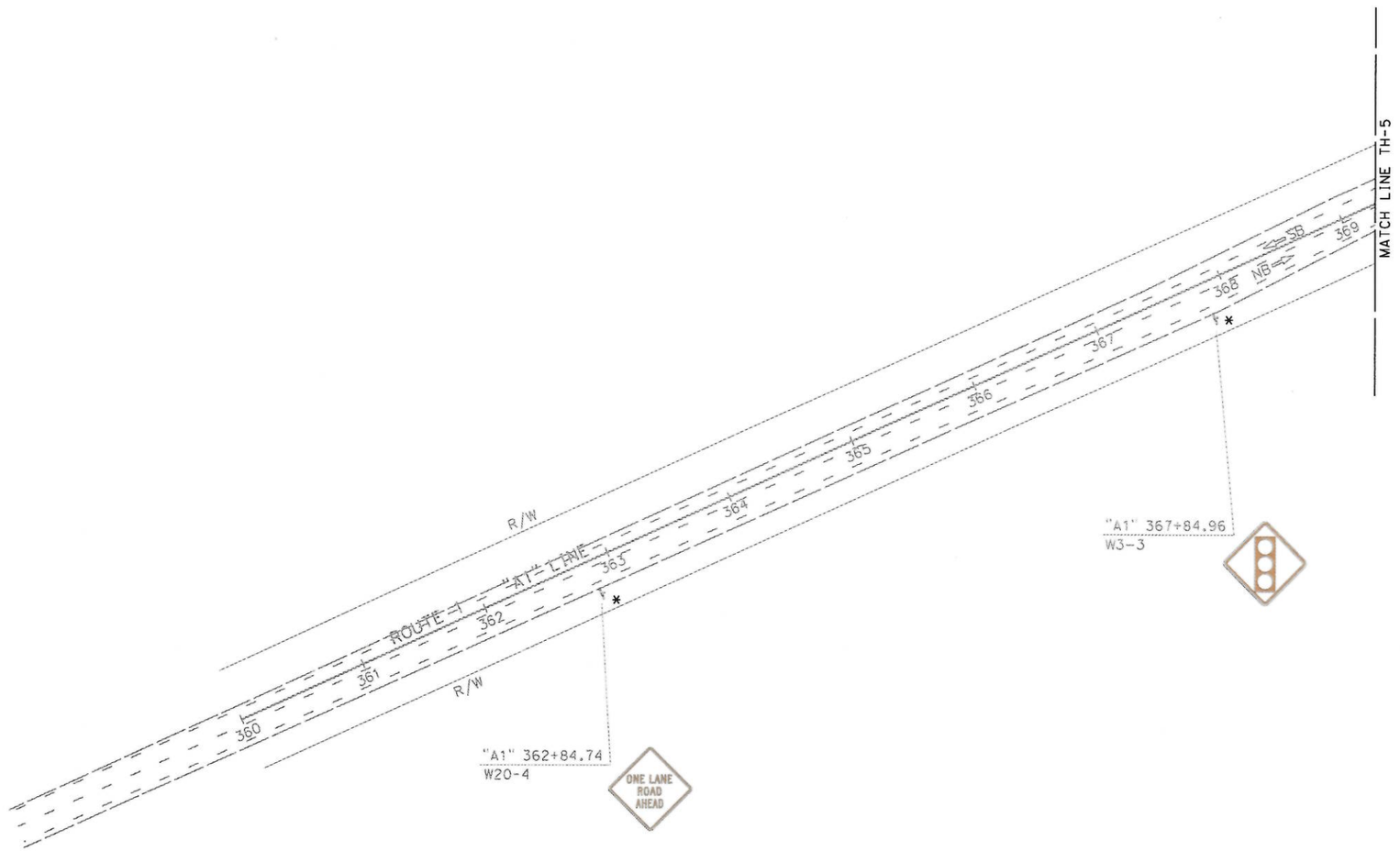

APPROVED FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN

STAGE 2

SCALE: 1" = 50'

TH-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: MOHAMMED OATAMI

CALCULATED-DESIGNED BY

CHECKED BY: FAWZI YAGHMOUR

QUAY CHESTER

REVISED BY

DATE REVISED

LAST REVISION: 00-00-00

DATE PLOTTED => 1/24/2022

TIME PLOTTED => 9:56:22 AM

BORDER LAST REVISED 7/2/2010

USERNAME =>

DGN FILE => ...\0516000163md004.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 4651

PROJECT NUMBER & PHASE 0516000163

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	63.00	11	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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

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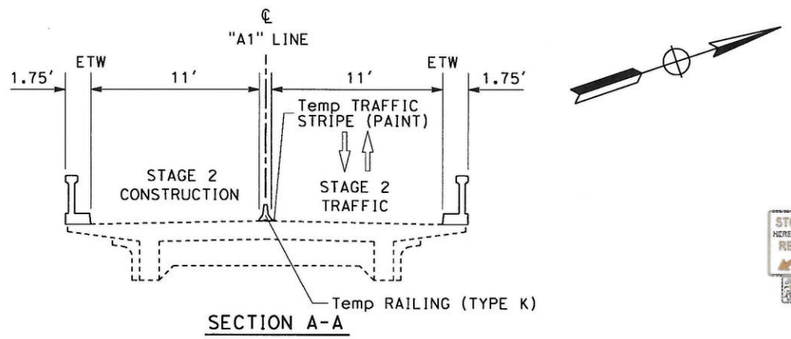
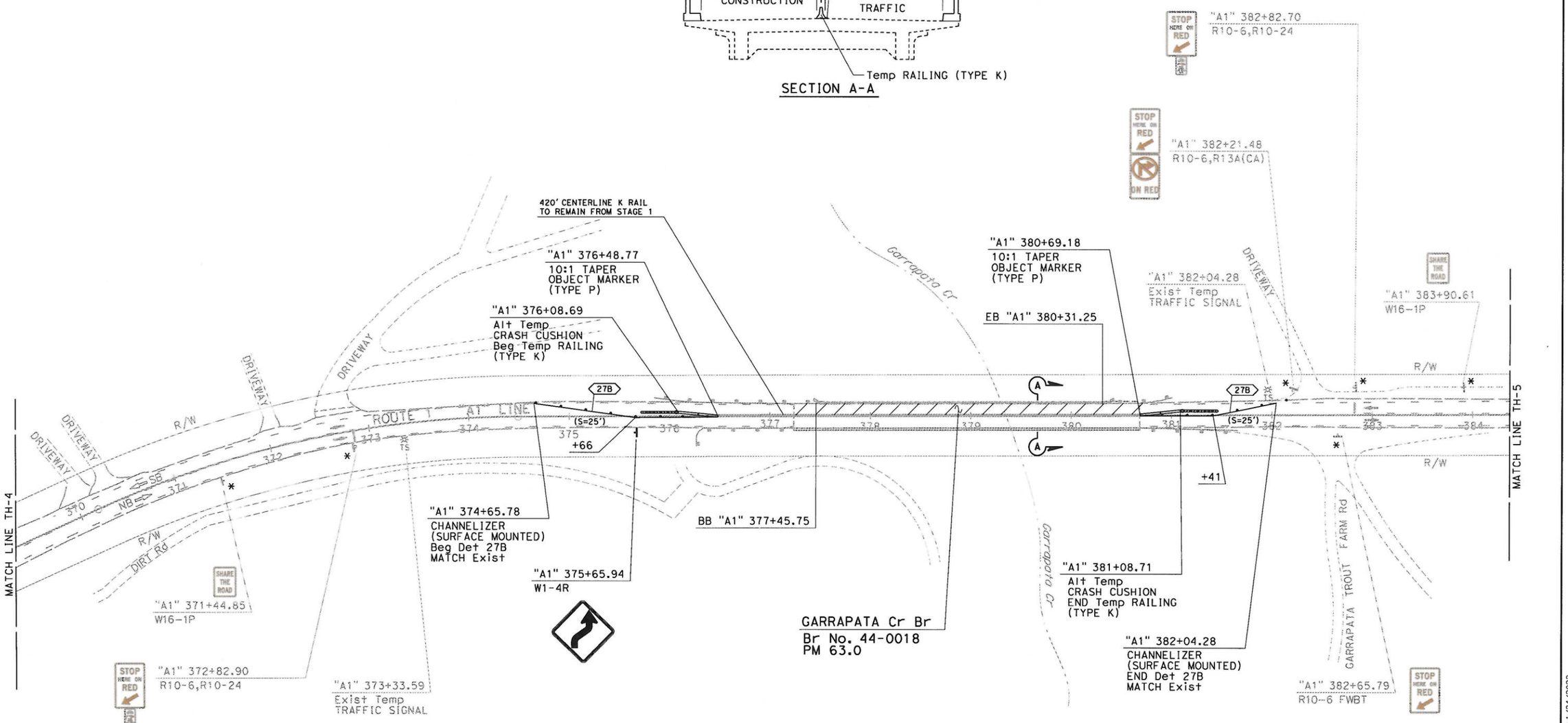
NOTES:

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



SECTION A-A



TRAFFIC HANDLING PLAN

STAGE 2

SCALE: 1" = 50'

TH-5

APPROVED FOR TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISED BY	DATE REVISED	LAST REVISION 00-00-00
Caltrans TRAFFIC DESIGN	MOHAMMED OATAMI	CHECKED BY	FAWZI YAGHMOUR	QUAY CHESTER	DATE PLOTTED => 1/24/2022 TIME PLOTTED => 9:56:23 AM

BORDER LAST REVISED 7/2/2010	USERNAME => DGN FILE => ...\0516000163md005.dgn	RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3	UNIT 4651	PROJECT NUMBER & PHASE	0516000163

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	63.00	12	

REGISTERED CIVIL ENGINEER DATE

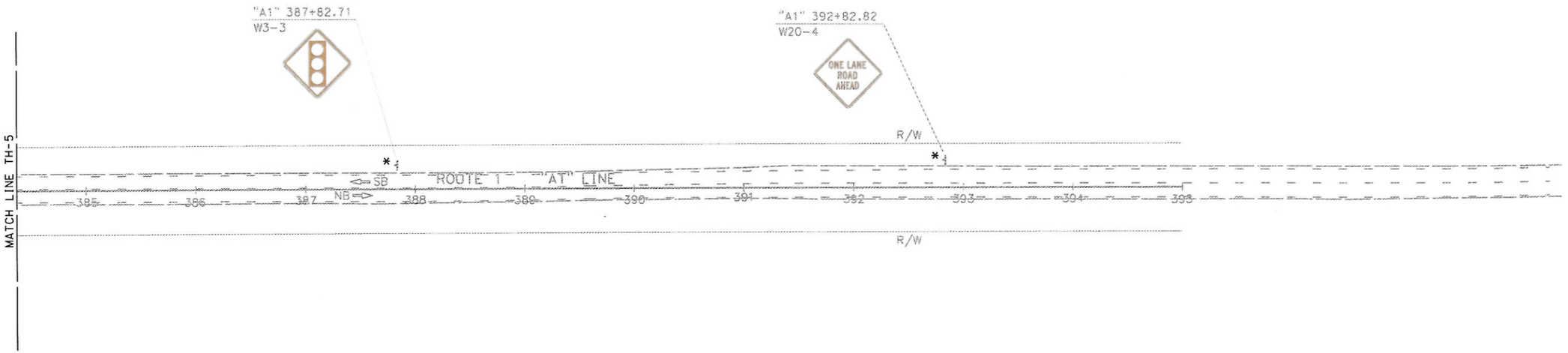
PLANS APPROVAL DATE

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

NOTES:

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



APPROVED FOR TRAFFIC HANDLING WORK ONLY

TRAFFIC HANDLING PLAN

STAGE 2

SCALE: 1" = 50'

TH-6

CALCULATED-DESIGNED BY	QUAY CHESTER
CHECKED BY	FAWZI YAGHMOUR
FUNCTIONAL SUPERVISOR	MOHAMMED QATAMI
REVISED BY	
DATE REVISED	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

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

BORDER LAST REVISED 7/2/2010

USERNAME =>
DGN FILE => ...\0516000163md006.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 4651

PROJECT NUMBER & PHASE 0516000163

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	63.00	13	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — QUAY F. CHESTER — No. 92096 — Exp. 03/31/23 — 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.

TEMPORARY PAVEMENT DELINEATION QUANTITIES

SHEET No.	STAGE	ROUTE	LOCATION STA FROM	LOCATION STA TO	DIRECTION	DETAIL No.	TEMPORARY TRAFFIC STRIPE (TAPE) LF	REMOVE PAVEMENT MARKER* EA	REMOVE THERMOPLASTIC TRAFFIC STRIPE* LF	TEMPORARY PAVEMENT MARKING (TAPE) SQFT	DESCRIPTION
TH-2	1	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	1	"A1" 374+66	382+04	SB	27B	738				
TOTAL							1,477	86	2,000	80	

* QUANTITY ADDED TO SHEET PDQ-1

TEMPORARY CRASH CUSHION AND CHANNELIZER

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

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
TH-2		3	R10-24	BIKE PUSH BUTTON FOR GREEN LIGHT	9"x15"	1-4"x6"	1
			R10-6	STOP HERE ON RED WITH ARROW	24"x36"		
		3	R10-6	STOP HERE ON RED WITH ARROW	24"x36"	1-4"x6"	1
			R10-24	BIKE PUSH BUTTON FOR GREEN LIGHT	9"x15"		
		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
			R10-6	STOP HERE ON RED WITH ARROW	24"x36"		
		7	R10-6	STOP HERE ON RED WITH ARROW	24"x36"	1-4"x6"	1
TH-3		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 RAILING

SHEET No.	STAGE	STATION FROM	STATION TO	TEMPORARY RAILING (TYPE K) LF	OBJECT MARKER (TYPE P) * EA
TH-2	1	"A1" 376+09	381+09	500	2
TH-5	2	"A1" 376+09	376+49	40	2
		380+69	381+09	40	
TOTAL				580	4

* QUANTITY ADDED TO SHEET SQ-1

TRAFFIC HANDLING QUANTITIES

THQ-1

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: QUAY CHESTER
CHECKED BY: FAWZI YAGHMOUR
FUNCTIONAL SUPERVISOR: MOHAMMED OATAMI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

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

BORDER LAST REVISED 7/2/2010 | USERNAME => | DGN FILE => ...\0516000163mf001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 4651 | PROJECT NUMBER & PHASE 0516000163

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	63.00	14	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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

NOTES:

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

ABBREVIATIONS:

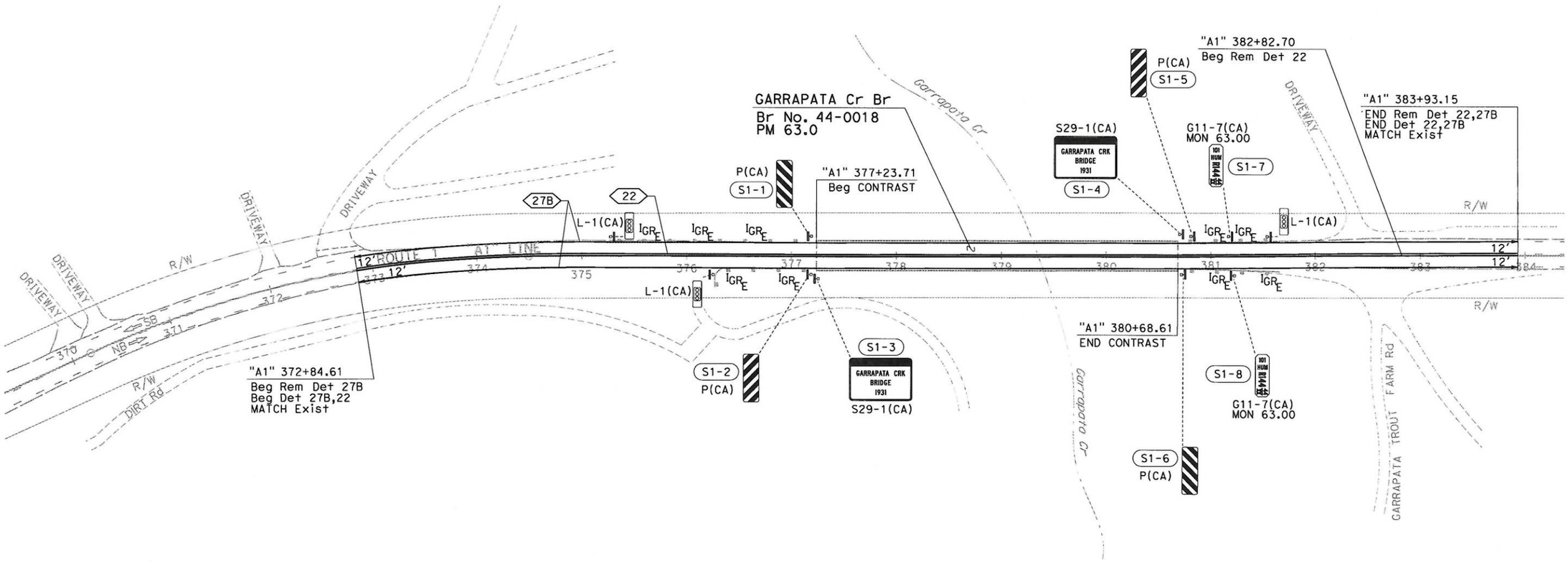
Rem - REMOVE

LEGEND:

IGR$_E$ GUARD RAIL DELINEATOR TYPE E (CLASS 1)

------- REPLACE ROADSIDE SIGN

ROADSIDE SIGN - ONE POST (STEEL)



APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 50'

PD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: MOHAMMED OATAMI

CALCULATED-DESIGNED BY

CHECKED BY

QUAY CHESTER

FAWZI YAGHMOUR

REVISED BY	DATE REVISED

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

BORDER LAST REVISED 7/2/2010 | USERNAME => | DGN FILE => ...\0516000163na001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 4651 | PROJECT NUMBER & PHASE 0516000163

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	63.00	15	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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

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 TAPE WITH CONTRAST	REMOVE PAVEMENT MARKER	REMOVE THERMOPLASTIC TRAFFIC STRIPE	GUARD RAILING DELINEATOR
			STA				TYPE D	SOLID					TYPE E
			FROM	TO				WHITE	YELLOW				
							EA	LF	LF	LF	EA	LF	EA
PD-1	1	"A1"	372+85	377+24	NB/SB	27B		878				878	
			377+24	380+69	NB/SB	27B				690			
			380+69	383+93	NB/SB	27B		649				649	9
			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 THQ-1											86	2,000	
TOTAL							96	3,744		690	98	3,744	9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: MOHAMMED OATAMI

CALCULATED-DESIGNED BY: QUAY CHESTER
CHECKED BY: FAWZI YAGHMOUR
REVISED BY
DATE REVISED

PAVEMENT DELINEATION QUANTITIES

PDQ-1

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

BORDER LAST REVISED 7/2/2010

USERNAME =>
DGN FILE => ...\0516000163nc001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 4651

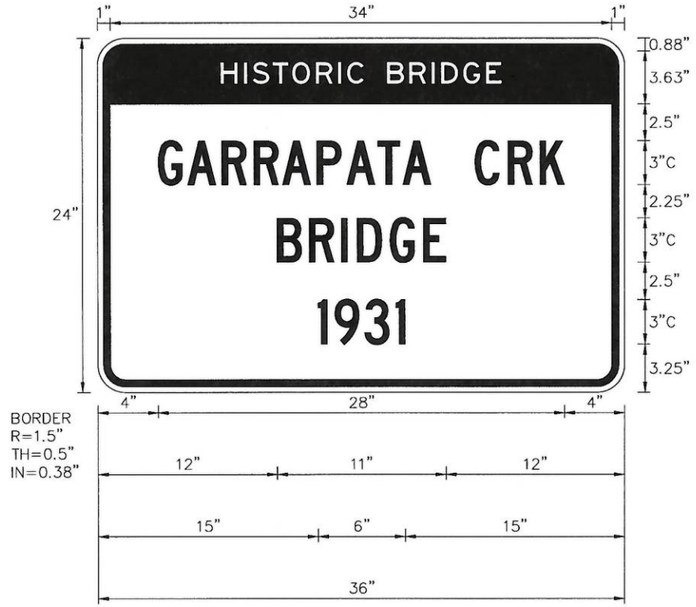
PROJECT NUMBER & PHASE 0516000163

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	63.00	16	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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



S29-1 (CA)

SIGN DETAILS

NO SCALE

SD-1

CALCULATED-DESIGNED BY	QUAY CHESTER	REVISED BY	
CHECKED BY	FAWZI YAGHMOUR	DATE REVISED	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR
MOHAMMED OATAMI

LAST REVISION 00-00-00 | DATE PLOTTED => 1/24/2022 | TIME PLOTTED => 9:56:26 AM

BORDER LAST REVISED 7/2/2010

USERNAME =>
DGN FILE => ...\0516000163ob001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 4651

PROJECT NUMBER & PHASE 0516000163

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	63.00	17	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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

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ROADSIDE SIGN QUANTITIES

SHEET No.	SIGN No.	SIGN DESIGNATION	SIGN MESSAGE	PANEL SIZE	No. OF POSTS AND POST SIZE	BACKGROUND		LEGEND		FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)	ROADSIDE SIGN - ONE POST	REMOVE ROADSIDE SIGN	OBJECT MARKER (TYPE L-1)	OBJECT MARKER (TYPE P)
						SHEETING COLOR	RETROREFLECTIVITY ASTM TYPE	SHEETING COLOR	RETROREFLECTIVITY ASTM TYPE	SQFT	EA	EA	EA	EA
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		
	S1-8	G11-7 (CA)	1 MON 63.00	8"x24"	1-TS2.5"x2.5"	WHITE	IX	BLACK		1.33	1	1		
FROM SHEET TH0-1														4
TOTAL										28.16	4	11	3	8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: MOHAMMED QATAMI

CALCULATED-DESIGNED BY: QUAY CHESTER

CHECKED BY: FAWZI YAGHMOUR

REVISED BY

DATE REVISED

SIGN QUANTITIES

SQ-1

LAST REVISION 00-00-00

DATE PLOTTED => 1/24/2022
TIME PLOTTED => 9:56:27 AM

BORDER LAST REVISED 7/2/2010

USERNAME =>
DGN FILE => ...\0516000163oc001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 4651

PROJECT NUMBER & PHASE 0516000163

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	1	63.0	18	

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. — Exp. — 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.

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	EA	LB
L-1	"A1" 375+48.72 TO 376+98.72	12AA	SB	140	150	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

SUMMARY OF QUANTITIES
Q-1

CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED
HUY HA	JOSE HUERTA	HUY HA	00-00-00

FUNCTIONAL SUPERVISOR: JOSE HUERTA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® DESIGN

LAST REVISION 00-00-00 | DATE PLOTTED => $DATE | TIME PLOTTED => $TIME

BORDER LAST REVISED 7/2/2010 | USERNAME => $USER | RELATIVE BORDER SCALE 0 1 2 3 | UNIT 1457 | PROJECT NUMBER & PHASE 05160001631

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	MON	1	63	19	

PRELIMINARY

LICENSED LANDSCAPE ARCHITECT

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Jessica Bailey No. 6062 — Signature — 07-31-23 Renewal 10/16 — Date — STATE OF CALIFORNIA

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)

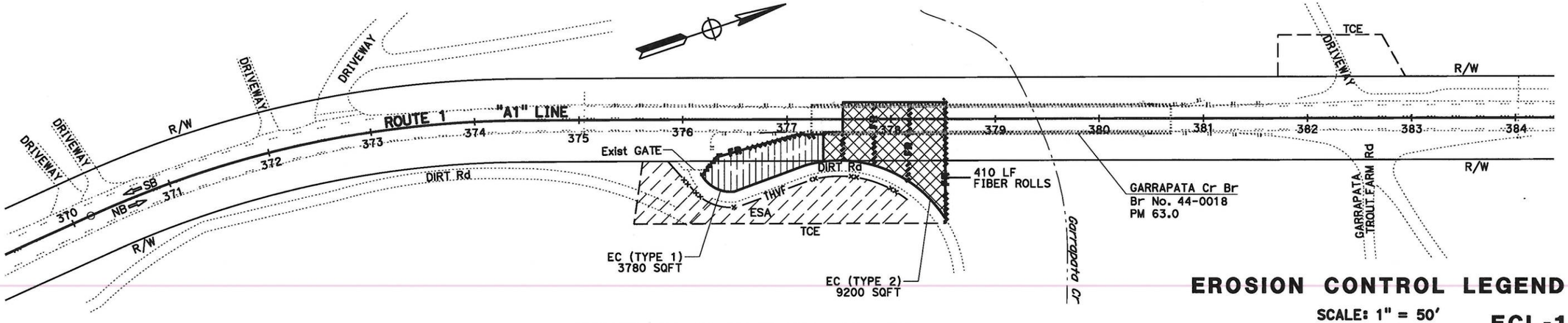
SEQUENCE	ITEM	MATERIAL			APPLICATION RATE	REMARKS
		DESCRIPTION	TYPE	FASTENER		
STEP 1	COMPOST	COMPOST	FINE		135 CY/AC	COMPOST RATE EQUALS APPROXIMATELY 1" DEPTH
STEP 2	RECP (NETTING)	COIR NETTING	A	8-GAUGE, 8-INCH STEEL STAPLE		
STEP 3	HYDROSEED	SEED	MIX		24.2 LB/AC	
		FIBER	WOOD		200 LB/AC	
STEP 4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

SEED MIX

BOTANICAL NAME (COMMON NAME)	PERCENT GERMINATION (MINIMUM)	POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
ACMISPON GLABER (DEER WEED)	80	3
ARTEMISIA CALIFORNICA (CALIFORNIA SAGEBRUSH)	60	0.5
BROMUS CARINATUS (CALIFRONIA BROME)	90	7
ERIOGONUM PARVIFOLIUM (SEACLIFF BUCKWHEAT)	45	2
ERIOPHYLLUM STAECHADIFOLIUM (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



EROSION CONTROL LEGEND

SCALE: 1" = 50'

ECL-1

APPROVED FOR EROSION CONTROL WORK ONLY

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: JESSICA BAILEY | CHECKED BY: PKB

SENIOR LANDSCAPE ARCHITECT: CORBY KILMER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
LANDSCAPE ARCHITECTURE

LAST REVISION 00-00-00 | DATE PLOTTED => 29-JAN-2022 | TIME PLOTTED => 11:26

BORDER LAST REVISED 7/2/2010 | USERNAME => s125555 | DGN FILE => 0516000163te001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1502 | PROJECT NUMBER & PHASE 05160001631

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

REGISTERED ELECTRICAL ENGINEER DATE

PLANS APPROVAL DATE

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

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

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.

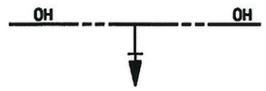
ABBREVIATIONS:

PG&E PACIFIC GAS AND ELECTRIC COMPANY

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
ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
CALCULATED-DESIGNED BY: BRYAN SABAGOUIT
CHECKED BY: PAUL MATOS
REVISED BY: BS
DATE REVISED: 5-26-21

LAST REVISION — DATE PLOTTED => 8-MAR-2022 — TIME PLOTTED => 13:20
00-00-00

BORDER LAST REVISED 7/2/2010

USERNAME => s147829
DGN FILE => 0516000163ua001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0516000163

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

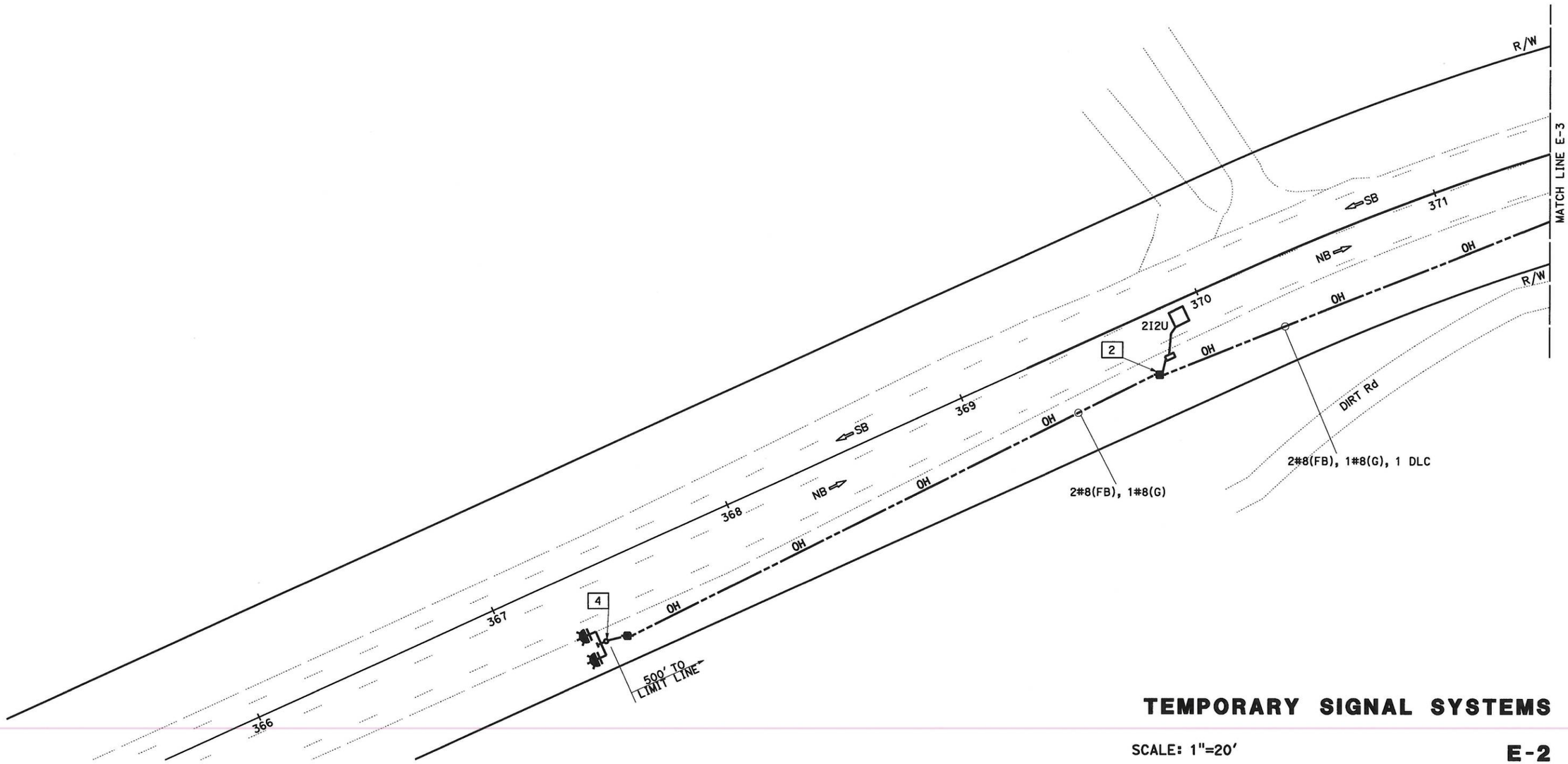
REGISTERED ELECTRICAL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. — Exp. — ELECTRICAL — 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.

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



TEMPORARY SIGNAL SYSTEMS

SCALE: 1"=20'

E-2

APPROVED FOR ELECTRICAL WORK ONLY

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

LAST REVISION 00-00-00 | DATE PLOTTED => 8-MAR-2022 | TIME PLOTTED => 13:20

BORDER LAST REVISED 7/2/2010 | USERNAME => s147829 | DGN FILE => 0516000163ua002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0516000163

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

REGISTERED ELECTRICAL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER No. Exp. ELECTRICAL STATE OF CALIFORNIA

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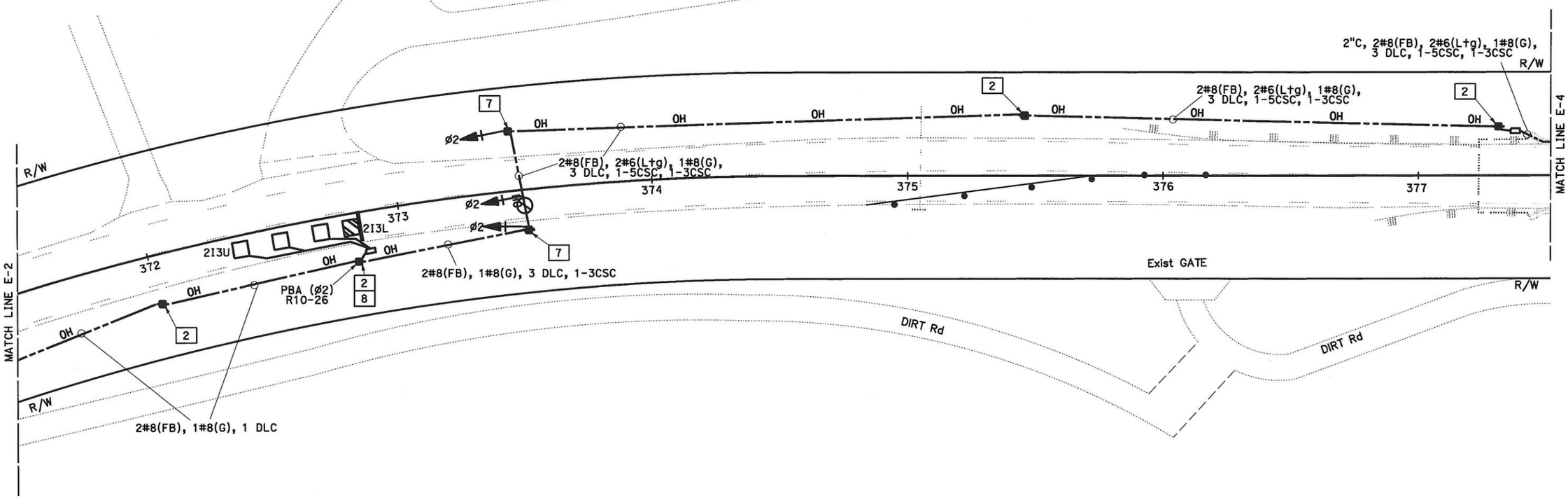


TEMPORARY SIGNAL SYSTEMS

SCALE: 1"=20'

E-3

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
CALCULATED-DESIGNED BY: BRYAN SABAGOUIT
CHECKED BY: PAUL MATOS
REVISED BY: BS
DATE REVISED: 5-28-21

LAST REVISION DATE PLOTTED => 8-MAR-2022
00-00-00 TIME PLOTTED => 13:20

BORDER LAST REVISED 7/2/2010

USERNAME => s147829
DGN FILE => 0516000163ua003.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

PROJECT NUMBER & PHASE 0516000163

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	MON	1	62.97	23	

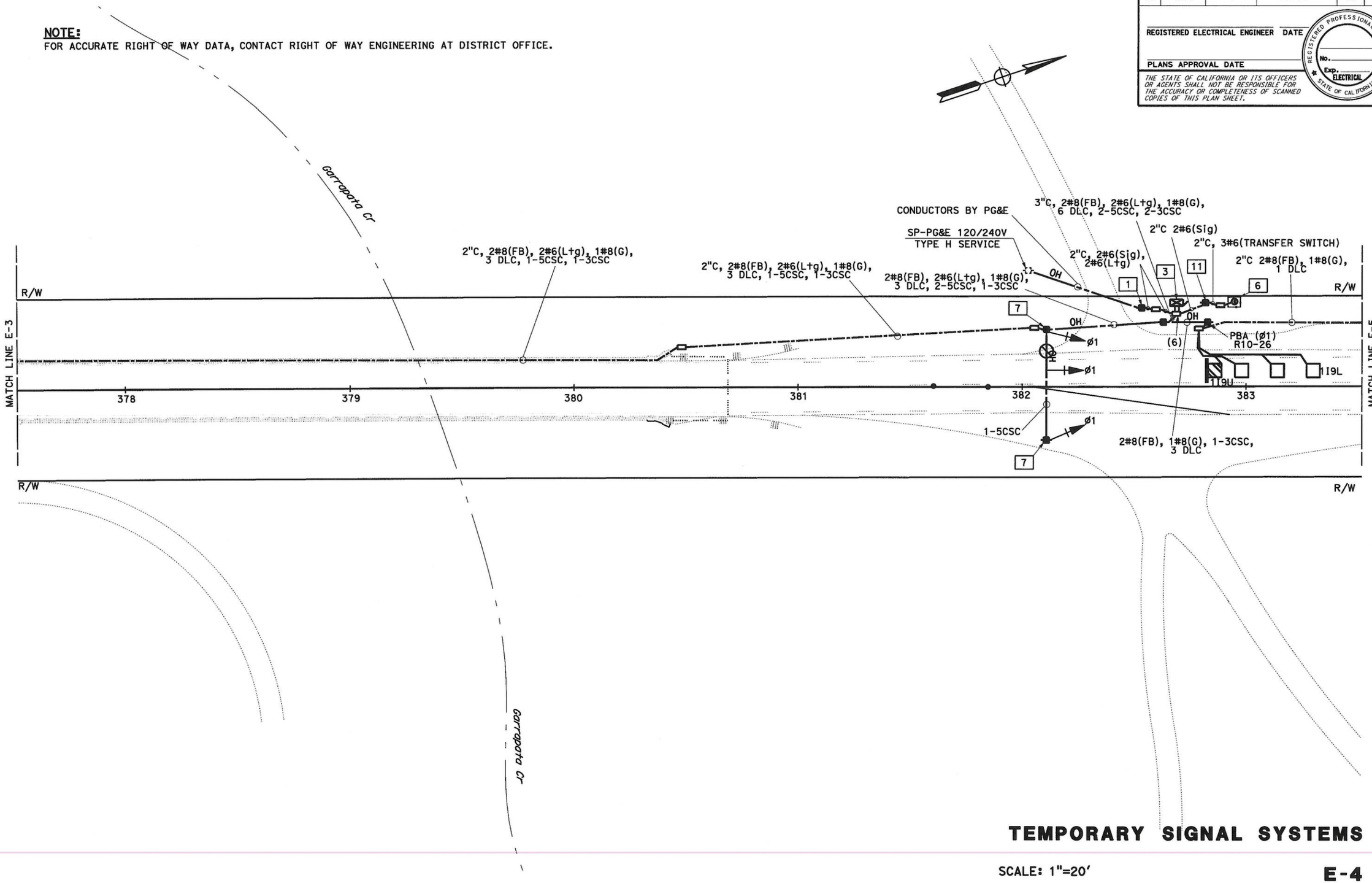
REGISTERED ELECTRICAL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. — Exp. ELECTRICAL — 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.

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



TEMPORARY SIGNAL SYSTEMS

SCALE: 1"=20'

E-4

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	BRYAN SABAGGUIT	BS	5-28-21
Caltrans ELECTRICAL DESIGN	PAUL MATOS		
FUNCTIONAL SUPERVISOR: ALI BAKHDOUD	CALCULATED-DESIGNED BY	REVISED BY	DATE REVISED
	CHECKED BY		

LAST REVISION 00-00-00 | DATE PLOTTED => 8-MAR-2022 | TIME PLOTTED => 13:20

BORDER LAST REVISED 7/2/2010 | USERNAME => s147829 | DGN FILE => 0516000163ua004.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0516000163

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	MON	1	62.97	24	

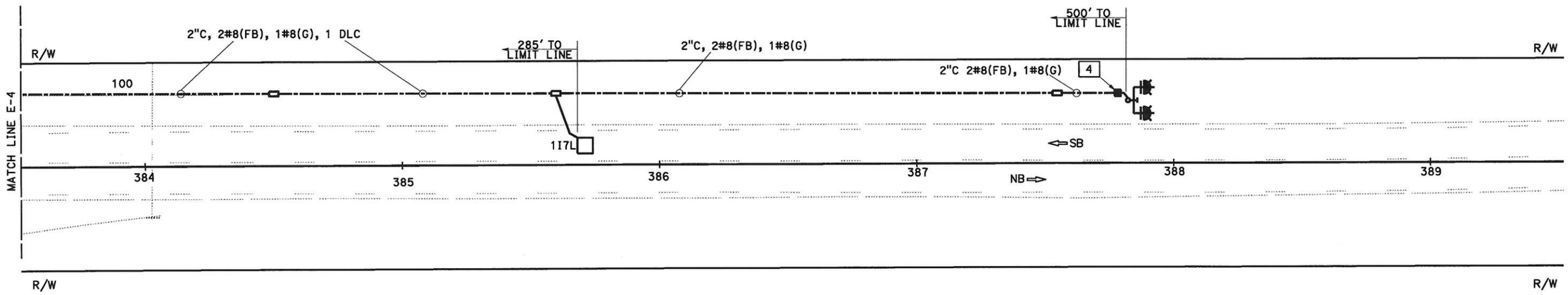
REGISTERED ELECTRICAL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. — Exp. ELECTRICAL — 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.

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



TEMPORARY SIGNAL SYSTEMS

SCALE: 1"=20'

E-5

APPROVED FOR ELECTRICAL WORK ONLY

REVISED BY	BS	5-28-21
DATE REVISED		
CALCULATED-DESIGNED BY	BRYAN SABAGQUIT	
CHECKED BY	PAUL MATOS	
FUNCTIONAL SUPERVISOR	ALI BAKHDOUD	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL DESIGN

LAST REVISION 00-00-00
DATE PLOTTED => 8-MAR-2022
TIME PLOTTED => 13:20

BORDER LAST REVISED 7/2/2010

USERNAME => s147829
DGN FILE => 0516000163ua005.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 0000

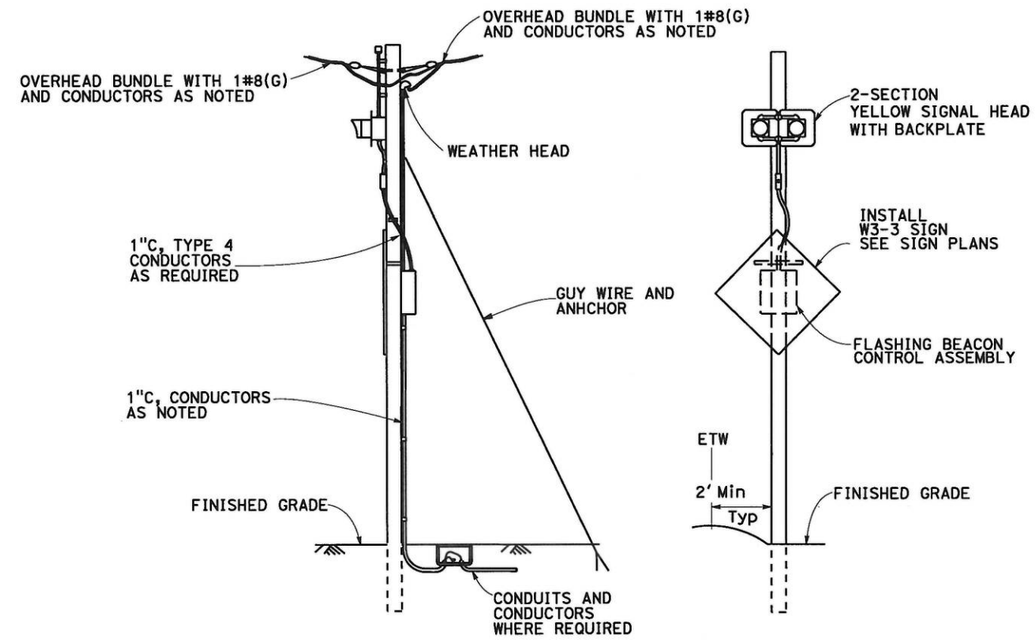
PROJECT NUMBER & PHASE 0516000163

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

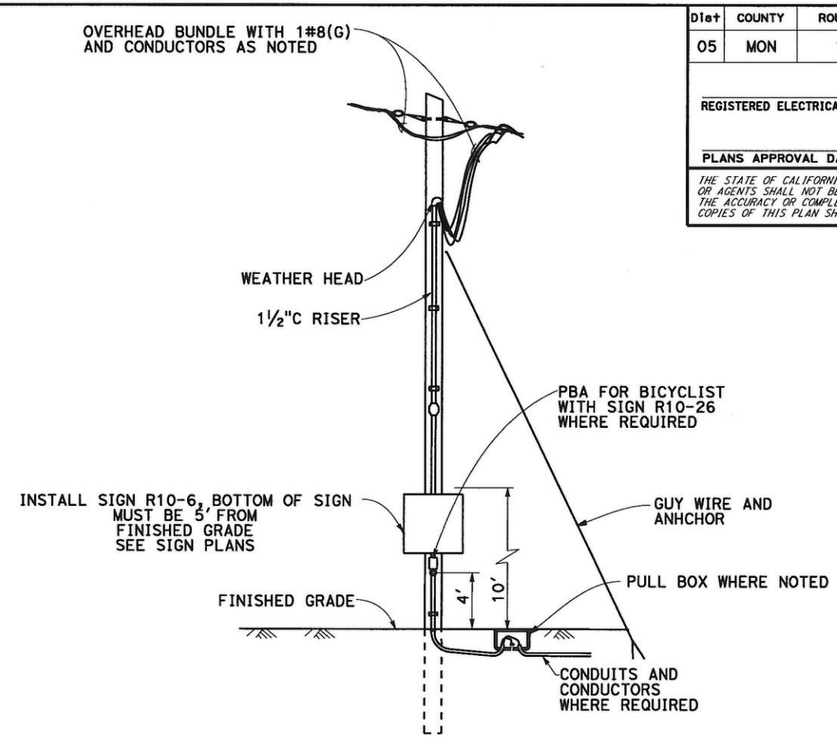
REGISTERED ELECTRICAL ENGINEER DATE

PLANS APPROVAL DATE

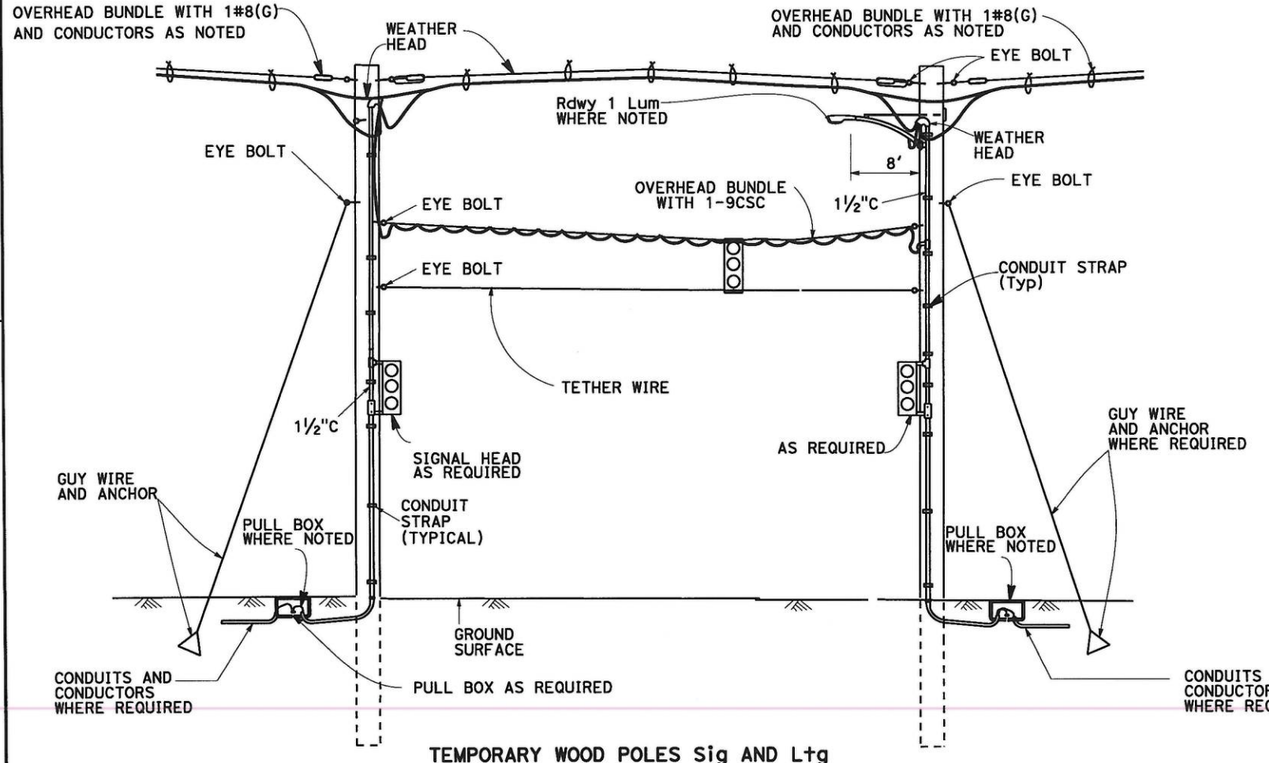
REGISTERED PROFESSIONAL ENGINEER — No. — Exp. ELECTRICAL — STATE OF CALIFORNIA



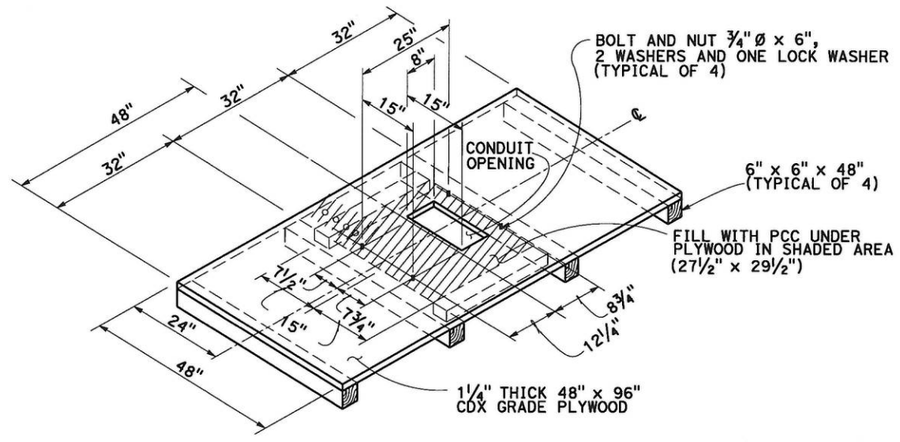
TEMPORARY WOOD POLES FB
DETAIL A



TEMPORARY WOOD POLE Sig
DETAIL B



TEMPORARY WOOD POLES Sig AND Ltg
DETAIL C



CABINET PLATFORM
DETAIL D

ELECTRICAL DETAILS

NO SCALE

ED-1

LAST REVISION 00-00-00 | DATE PLOTTED => 8-MAR-2022 | TIME PLOTTED => 13:20

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

BORDER LAST REVISED 7/2/2010 | USERNAME => s147829 | DGN FILE => 0516000163ub001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0516000163

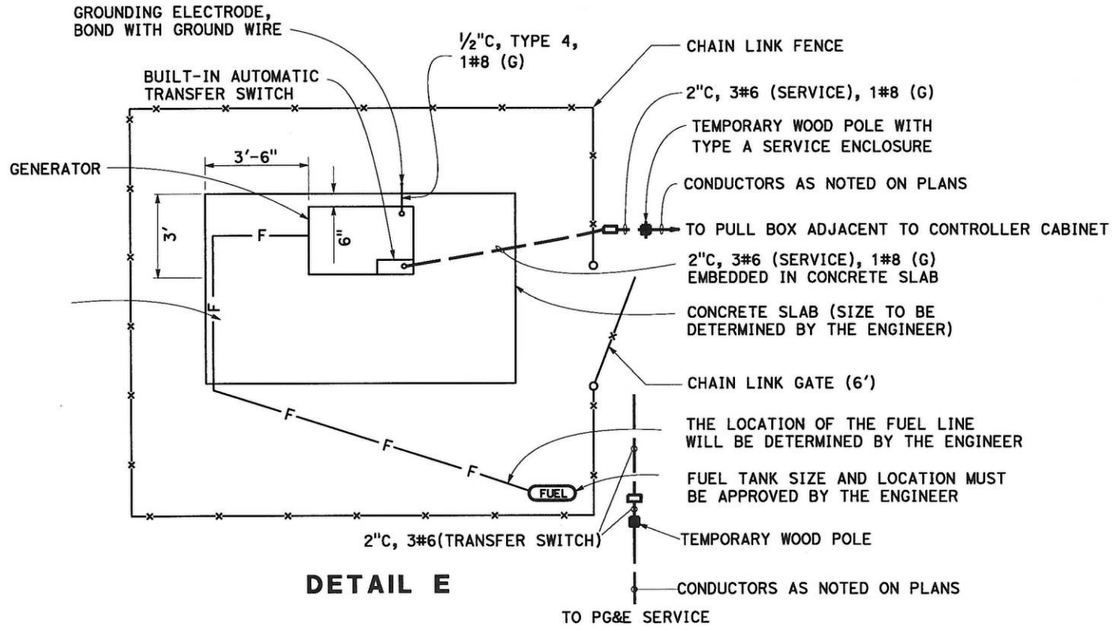
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	MON	1	62.97	26	

REGISTERED ELECTRICAL ENGINEER DATE

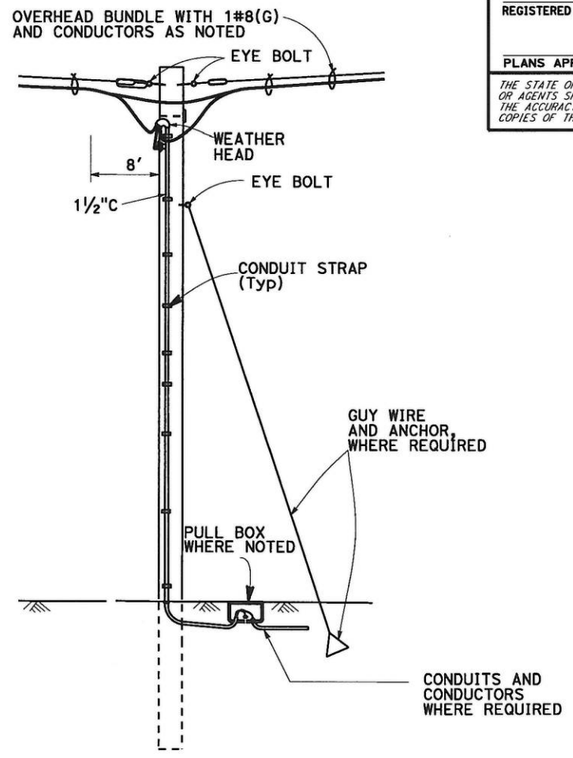
PLANS APPROVAL DATE

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

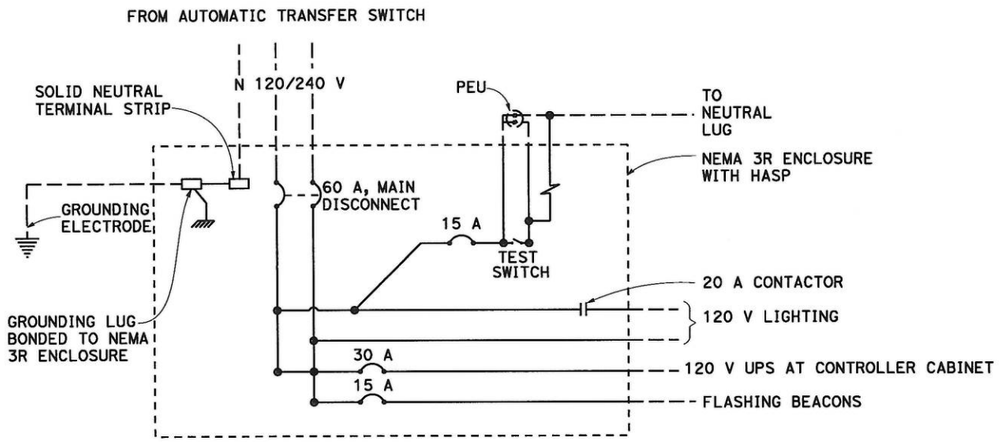
NOTE:
TEMPORARY TRAFFIC SIGNAL SYSTEM WILL BE INITIALLY POWERED BY PRIMARY AND SECONDARY GENERATORS. SWAP TO UTILITY POWER AND BACK UP GENERATOR CONFIGURATION ONCE PG&E SERVICE BECOMES AVAILABLE.



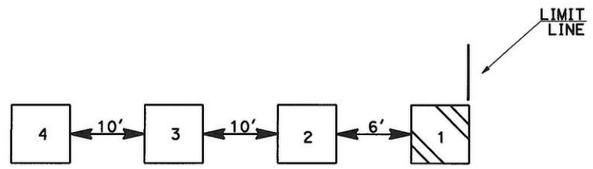
DETAIL E



TEMPORARY WOOD POLE
DETAIL F



SERVICE ENCLOSURE WIRING DIAGRAM
DETAIL G



LOOP DETECTORS PLACEMENT
DETAIL H

ELECTRICAL DETAILS

NO SCALE

ED-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL DESIGN

CALCULATED-DESIGNED BY	BRYAN SABAGQUIT	REVISED BY	BS
CHECKED BY	PAUL MATOS	DATE REVISED	5-28-21
FUNCTIONAL SUPERVISOR	ALI BAKHDOUD		

LAST REVISION DATE PLOTTED => 8-MAR-2022
00-00-00 TIME PLOTTED => 13:20

BORDER LAST REVISED 7/2/2010 | USERNAME => s147829 | DGN FILE => 0516000163ub002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0516000163

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	MON	1	62.97	27	

REGISTERED ELECTRICAL ENGINEER DATE

PLANS APPROVAL DATE

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.

TEMPORARY SIGNAL SYSTEMS

NOT A SEPARATE BID ITEM

SHEET No.	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 332/334 FOUNDATION WITH ANCHOR BOLTS	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)	5CSC	3CSC	DLC	SPAN WIRE- 8MM (7 STRAND)
	EA																	LF								
E-2	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	840	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	1100	650	610	550	1800	350
E-5	1		1						1	1			4					5		850		425			220	415

ELECTRICAL SYSTEMS QUANTITIES

EQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL DESIGN
FUNCTIONAL SUPERVISOR: ALI BAKHDOUD
CALCULATED-DESIGNED BY: BRYAN SABAGQUIT
CHECKED BY: PAUL MATOS
REVISED BY: BS — DATE REVISED: 5-28-21

LAST REVISION 00-00-00 — DATE PLOTTED => 8-MAR-2022 — TIME PLOTTED => 13:20

BORDER LAST REVISED 7/2/2010 | USERNAME => s147829 | DGN FILE => 0516000163uc001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 0516000163

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	Mon	RRRR	1	28	#####

REGISTERED CIVIL ENGINEER X DATE

MM/DD/YYYY
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — No. X — Exp. X — CIVIL — STATE OF CALIFORNIA

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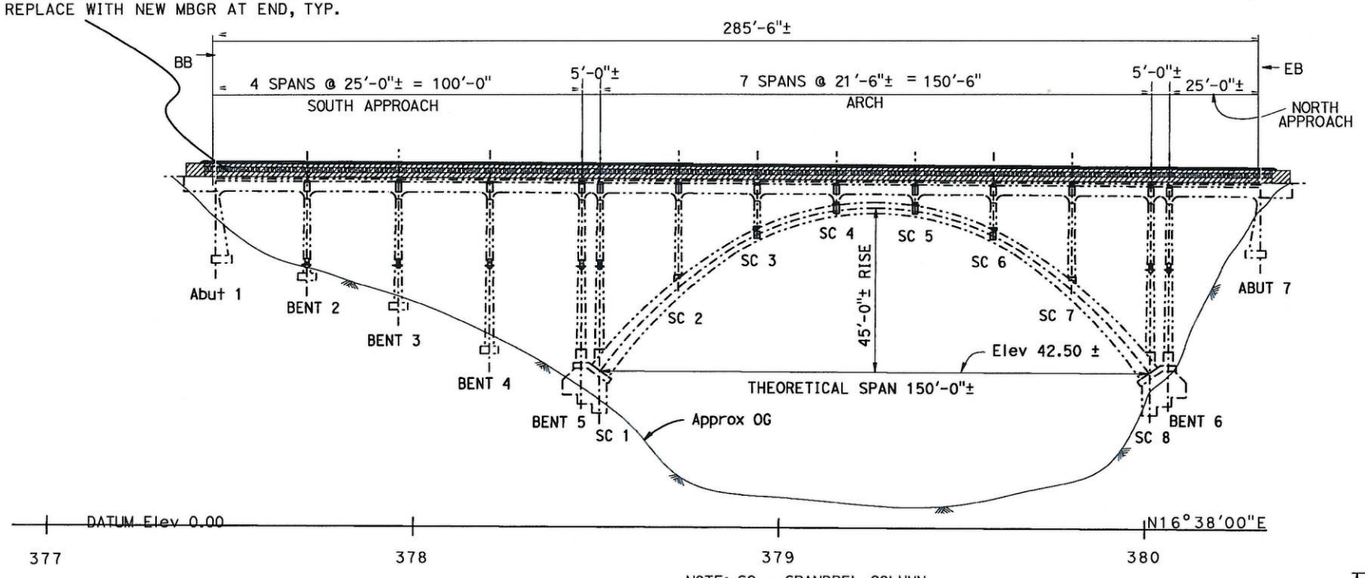
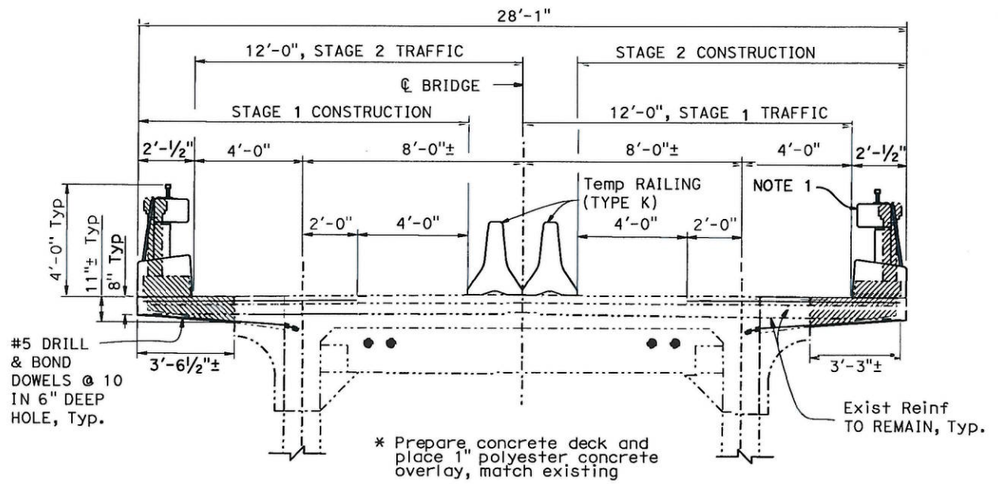
REMOVE EXISTING END BLOCK AND
REPLACE WITH NEW MBGR AT END, TYP.

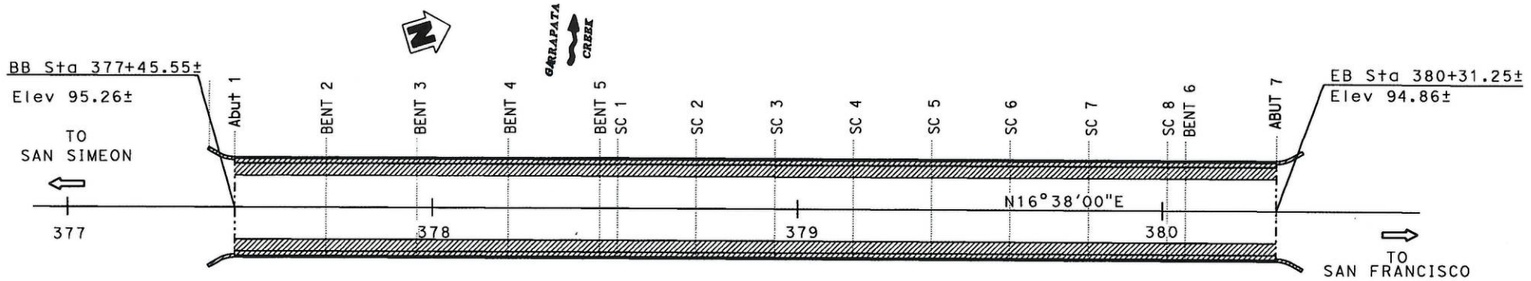


NOTE: SC = SPANDREL COLUMN

ELEVATION
1" =20'-0"



TYPICAL SECTION - NEW
⅜" = 1'-0"



PLAN
1" = 20'-0"

NOTES :
1. REMOVE EXISTING OVERHANG, CURB AND BARRIER, REPLACE WITH NEW OVERHANG AND BARRIER TYPE 86H OR TEXAS DOT TYPE C412 EXTENDED TO END OF SEISMIC SLABS.
2. BARRIER TYPE 86H SHOWN, TEXAS DOT TYPE C412 SIMILAR, NOT SHOWN, BOTH ARE PENDING APPROVAL.
3. STAGE CONSTRUCTION WITH ONE WAY TRAFFIC CONTROL WILL BE NECESSARY.
4. PREPARE CONCRETE DECK AND PLACE 1" POLYESTER CONCRETE OVERLAY, AND MATCH EXISTING GRADE, TYP.
5. SCUPPER OR DROP-THRU DECK DRAINS TO BE INSTALLED IN OR NEAR NEW BARRIERS.

LEGEND:
- INDICATES NEW CONSTRUCTION
- INDICATES EXISTING STRUCTURE
- INDICATES REMOVAL EXISTING CONCRETE BARRIER AND OVERHANG

X
BRANCH CHIEF

	BY	CHECKED
DESIGN		X
DETAILS		X
QUANTITIES	Y	X

LOAD & RESISTANCE FACTOR DESIGN — LIVE LOADING X

	BY	CHECKED
LAYOUT	X	X
SPECIFICATIONS	X	PLANS AND SPECS COMPARED X

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
DESIGN BRANCH 18

BRIDGE No. 44-0018
POST MILE X.X

GENERAL PLAN
GARRAPATA Cr BRIDGE

UNIT: 3603
PROJECT NUMBER & PHASE: 0516000163
CONTRACT No.: 44-0018

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES				SHEET	OF
				X	X

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REVISION 12/13/2019)

DATE PLOTTED => 14-FEB-2022 TIME PLOTTED => 12:12
FILE => 44_0018_garrapata crk bridge\GENERAL\gen_s151020

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

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