Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	154	23.0	1	13

ARRAL-P154(018)E

INDEX OF PLANS

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

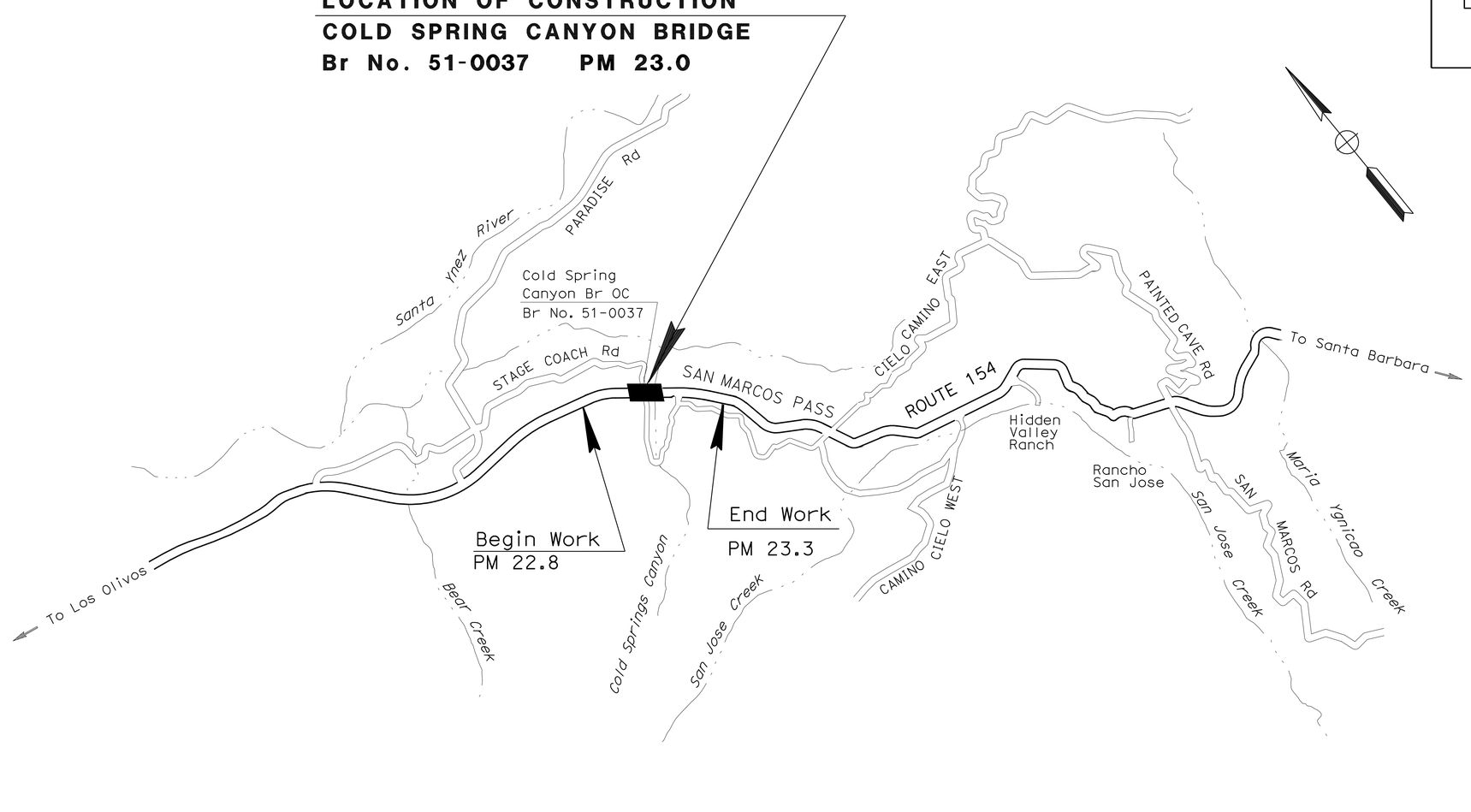
PROJECT PLANS FOR BUILDING CONSTRUCTION

IN SANTA BARBARA COUNTY
ABOUT 9 MILES WEST OF SANTA BARBARA
AT COLD SPRING CANYON BRIDGE

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

LOCATION MAP

LOCATION OF CONSTRUCTION
COLD SPRING CANYON BRIDGE
Br No. 51-0037 PM 23.0



NO SCALE

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

PROJECT MANAGER: SARA VON SHWIND

DESIGN ENGINEER: JAMES ESPINOSA

10/29/09
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

November 30, 2009
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — JAMES ESPINOSA — No. 54100 — Exp. 12/31/09 — 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.

CONTRACT No. 05-0P9104

LAST REVISION 10-29-09 | DATE PLOTTED => 11-JAN-2010 | TIME PLOTTED => 05:56

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	154	23.0	2	13

James Espinosa 11-25-09
REGISTERED CIVIL ENGINEER DATE

11-30-09
PLANS APPROVAL DATE

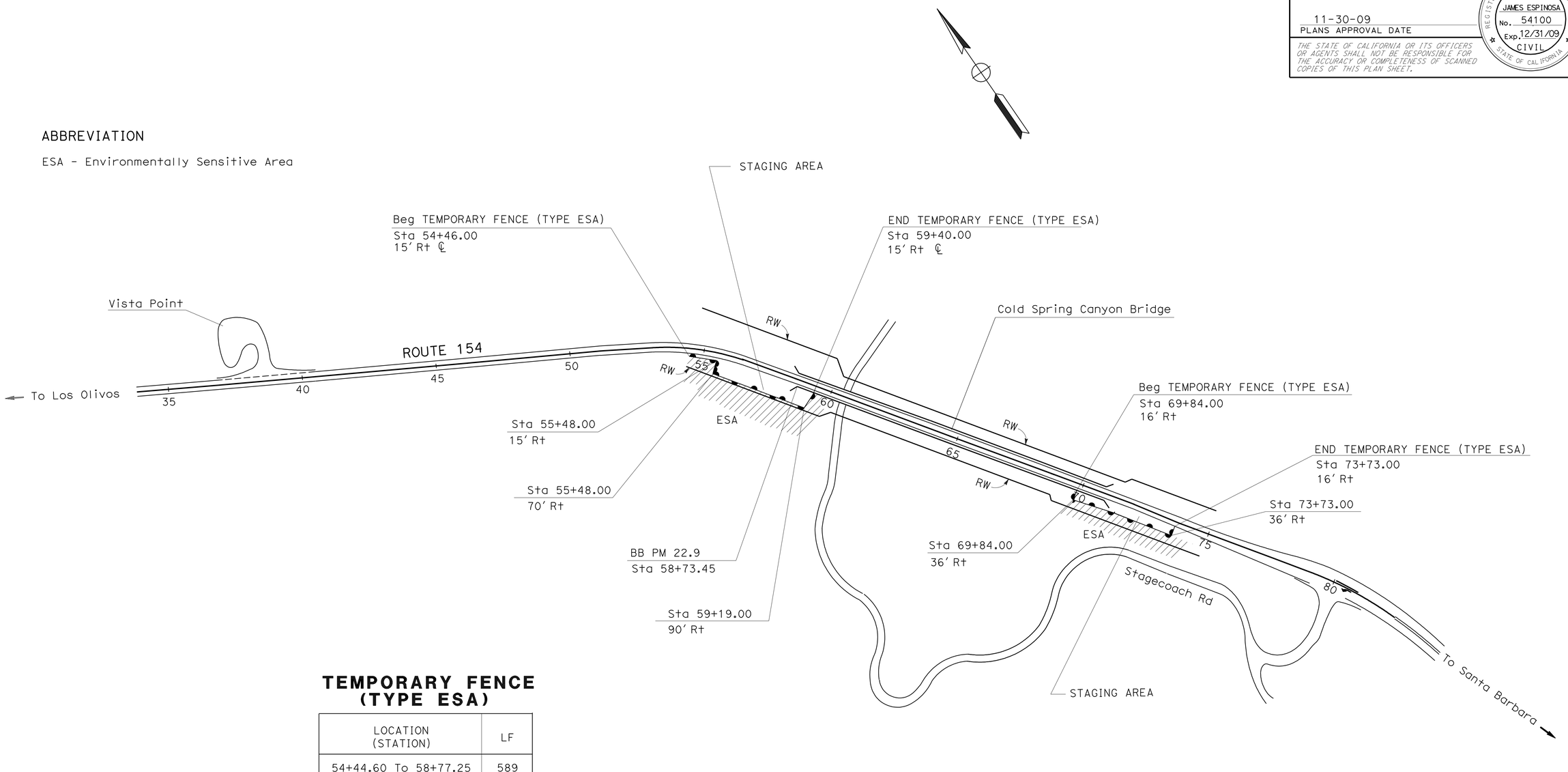
REGISTERED PROFESSIONAL ENGINEER
JAMES ESPINOSA
No. 54100
Exp. 12/31/09
CIVIL
STATE OF CALIFORNIA

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: FOR COMPLETE RIGHT OF WAY DATA, SEE RIGHT OF WAY RECORD MAPS AT DISTRICT OFFICE

ABBREVIATION

ESA - Environmentally Sensitive Area



TEMPORARY FENCE (TYPE ESA)

LOCATION (STATION)	LF
54+44.60 To 58+77.25	589
70+08.44 To 74+57.10	429
TOTAL	1018

NO SCALE

LAYOUT
L-1

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: JAMES ESPINOSA
CHECKED BY: PETROS DEMOZ

FUNCTIONAL SUPERVISOR: DAVID FAPP

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
06-DESIGN

LAST REVISION | DATE PLOTTED => 07-DEC-2009
10-06-09 | TIME PLOTTED => 05:43

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	154	23.0	3	13

REGISTERED CIVIL ENGINEER — DATE: 10-29-09

JAMES ESPINOSA No. 54100 Exp 12/31/09 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

11-30-09
PLANS APPROVAL DATE

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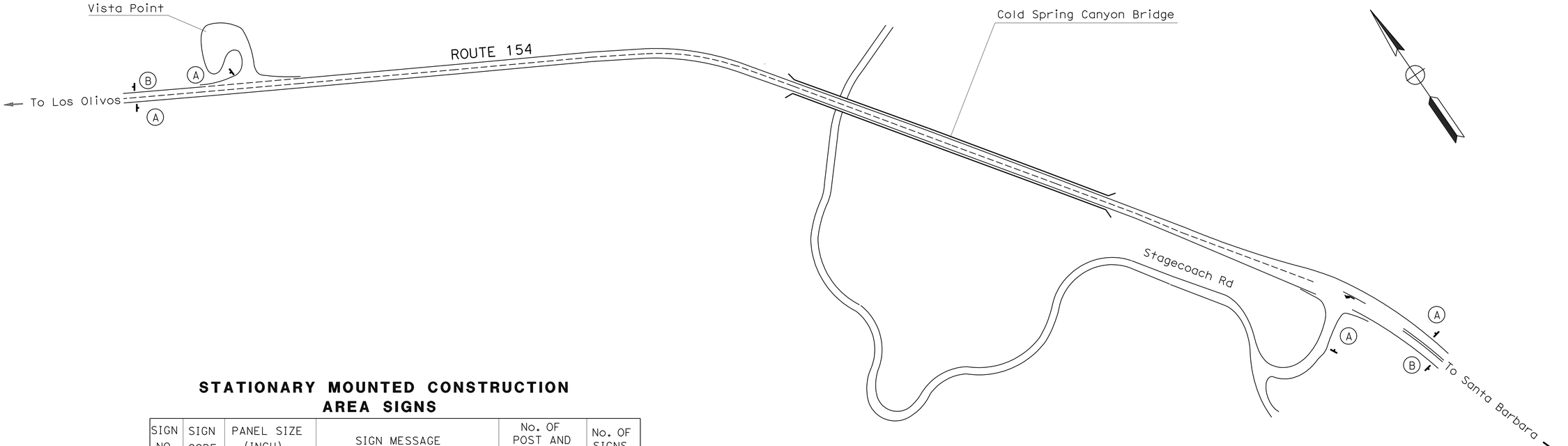
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN NO.	SIGN CODE	PANEL SIZE (INCH)	SIGN MESSAGE	No. OF POST AND SIZE(INCH)	No. OF SIGNS
(A)	W20-1	36" x 36"	ROAD WORK AHEAD	1 - 4" x 6"	4
(B)	G20-2	36" x 18"	END ROAD WORK	1 - 4" x 4"	2

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

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN ONLY.

REVISED BY | DATE REVISED
JAMES ESPINOSA | PETROS DEMOZ
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: DAVID FAPP
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
06-DESIGN

LAST REVISION 10-29-09 | DATE PLOTTED => 07-DEC-2009 | TIME PLOTTED => 05:43

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => trmikesl | DGN FILE => 50P9101a001.dgn | CU 06251 | EA 0P9101

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SB	154	23.0	4	13

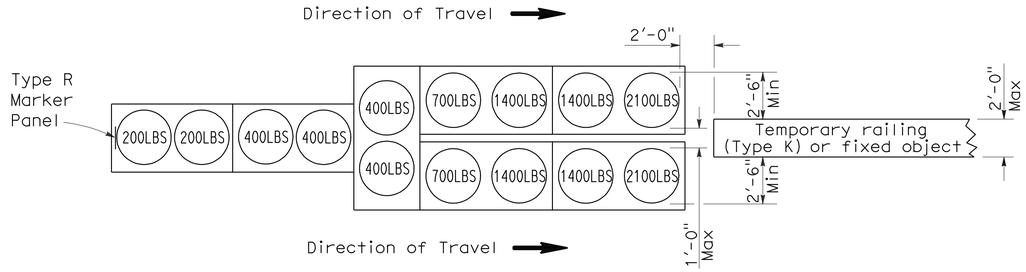
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

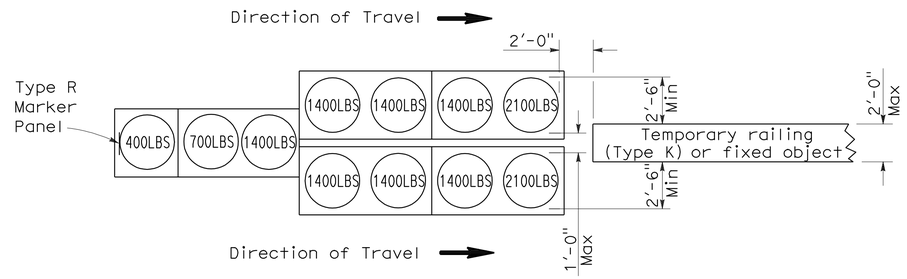
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 11-30-09



ARRAY 'TU14'

Approach speed 45 mph or more

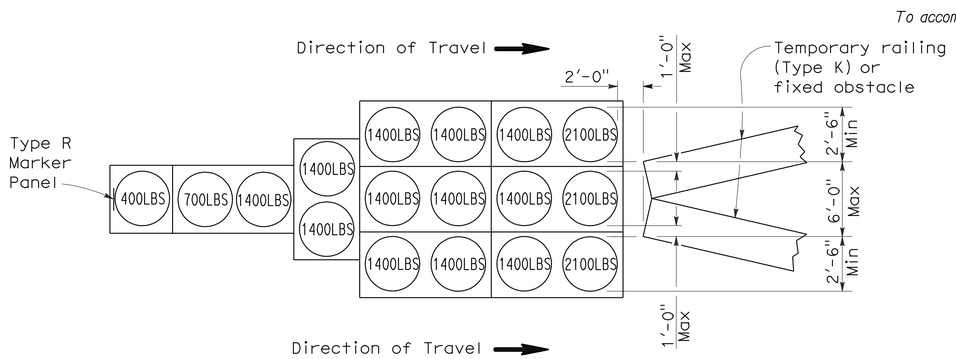


ARRAY 'TU11'

Approach speed less than 45 mph

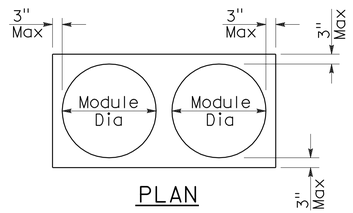
ARRAY 'TU21'

Approach speed 45 mph or more

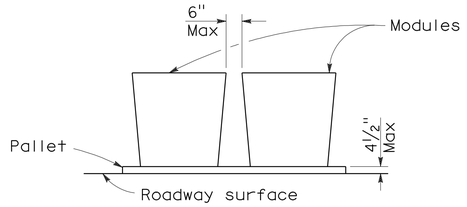


ARRAY 'TU17'

Approach speed less than 45 mph



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the top of Type R marker panel 1" below the module lid.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (UNIDIRECTIONAL)

NO SCALE

RSP T1A DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1A
DATED MAY 1, 2006 - PAGE 211 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SB	154	23.0	5	13

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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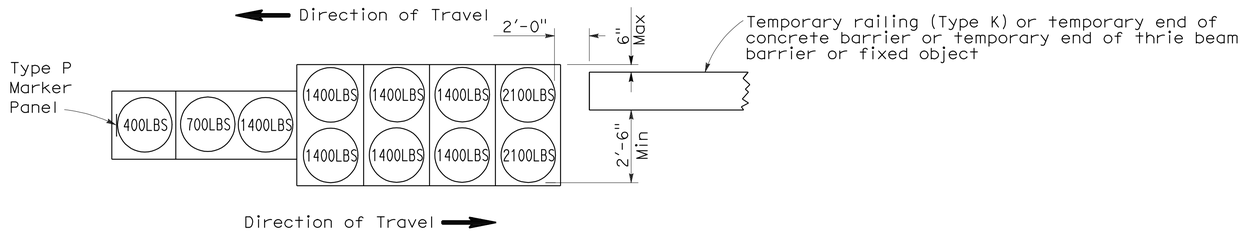
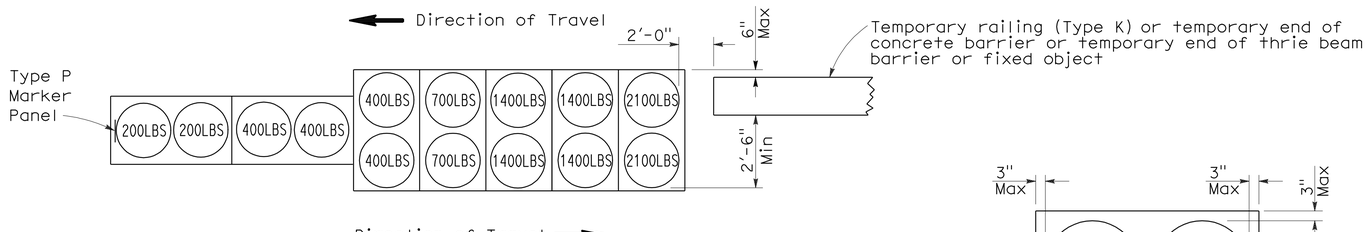
To accompany plans dated 11-30-09



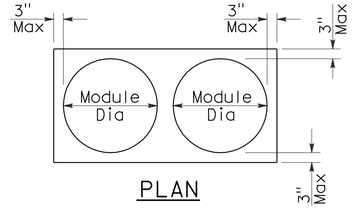
ARRAY 'TB11'

Approach speed less than 45 mph

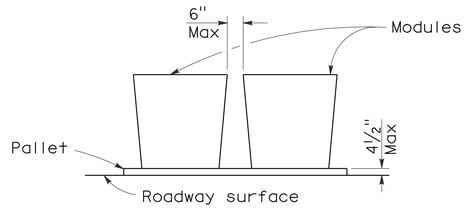


ARRAY 'TB14'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the Type P marker panel so that the bottom of the panel rests upon the pallet.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (BIDIRECTIONAL)

NO SCALE

RSP T1B DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1B
DATED MAY 1, 2006 - PAGE 212 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SB	154	23.0	6	13

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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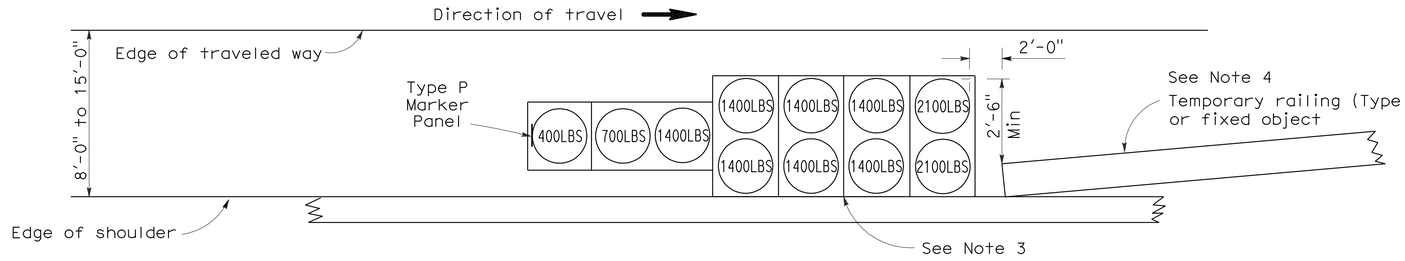
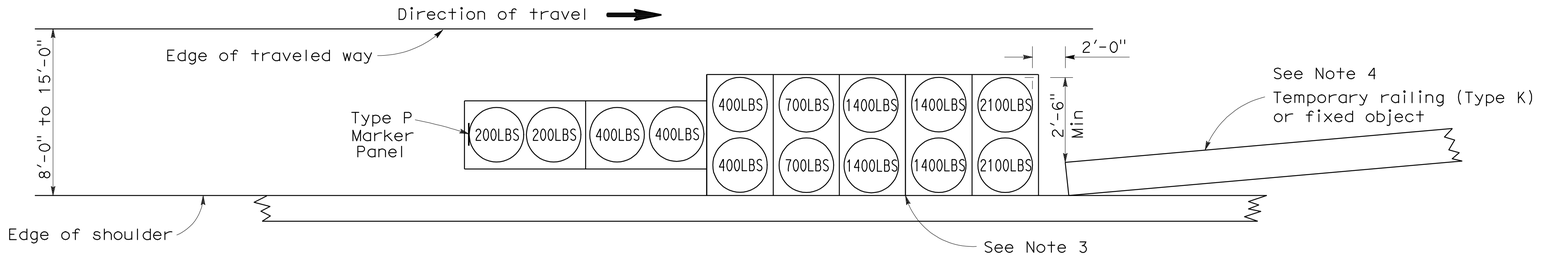
To accompany plans dated 11-30-09



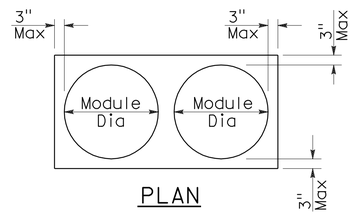
ARRAY 'TS11'

Approach speed less than 45 mph
See Note 9

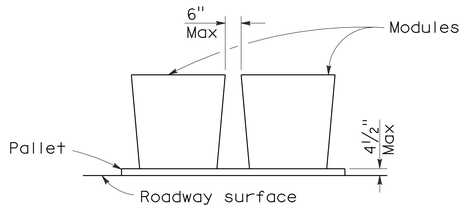


ARRAY 'TS14'

Approach speed 45 mph or more
See Note 9



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 11

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. The temporary crash cushion arrays shown on this plan shall be used only in locations where there will be traffic on one side of the temporary crash cushion array.
4. If the fixed object or approach end of the temporary railing is less than 15'-0" from the edge of traveled way, a temporary crash cushion is required in a construction or work zone.
5. Temporary crash cushion arrays shall not encroach on the traveled way.
6. Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
7. Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
8. Refer to Standard Plan A73B for marker details.
9. For shoulder widths less than 8'-0", appropriate approved crash cushion protection, other than sand filled modules, shall be provided at fixed objects and at approach ends of temporary railing. The specific type of crash cushion shall be as shown on the project plans or as specified in the Special Provisions, or if not shown on the project plans or specified in the Special Provisions, shall be as approved by the Engineer.
10. Approach speeds indicated conform to NCHRP 350 Report criteria.
11. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY CRASH CUSHION, SAND FILLED (SHOULDER INSTALLATIONS)

NO SCALE

RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

5-15-08

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
05	SB	154	23.0	7	13

Genaro M. Doria
REGISTERED CIVIL ENGINEER — DATE

11-30-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — GENARO M. DORIA — No. C63583 — Exp. 9/30/10 — CIVIL — STATE OF CALIFORNIA

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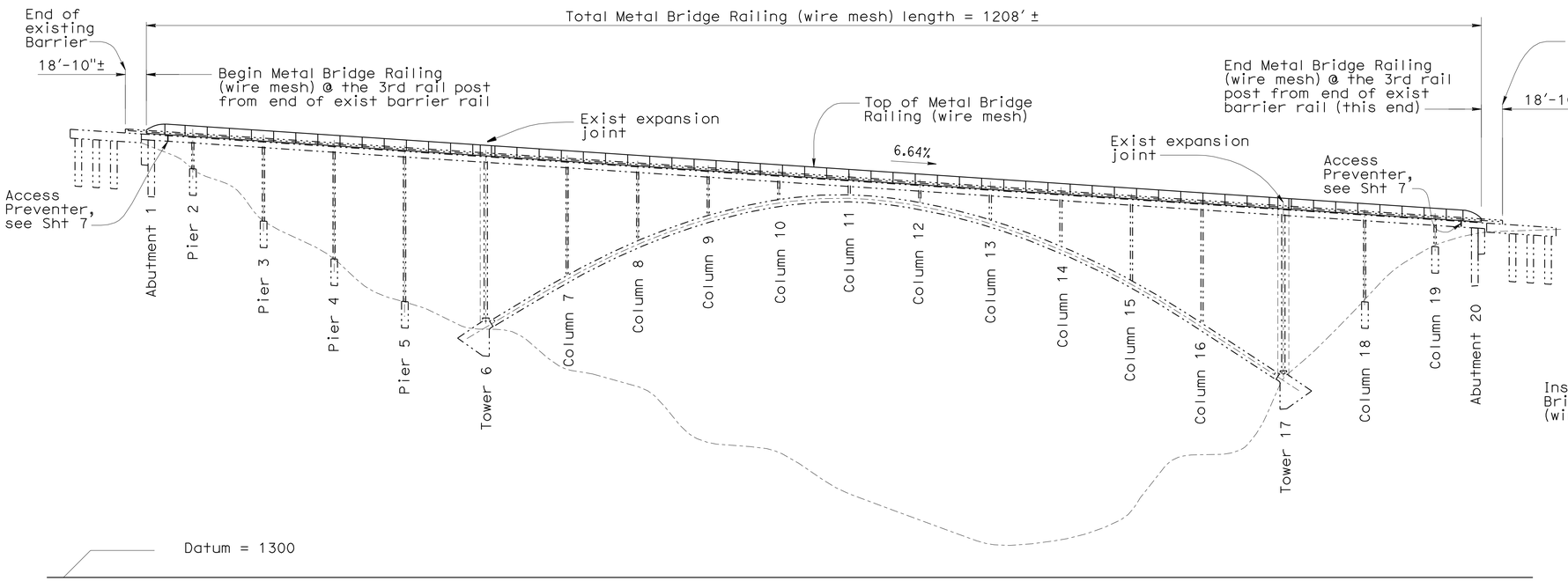
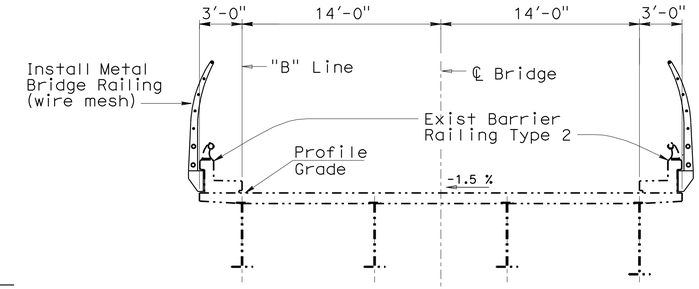
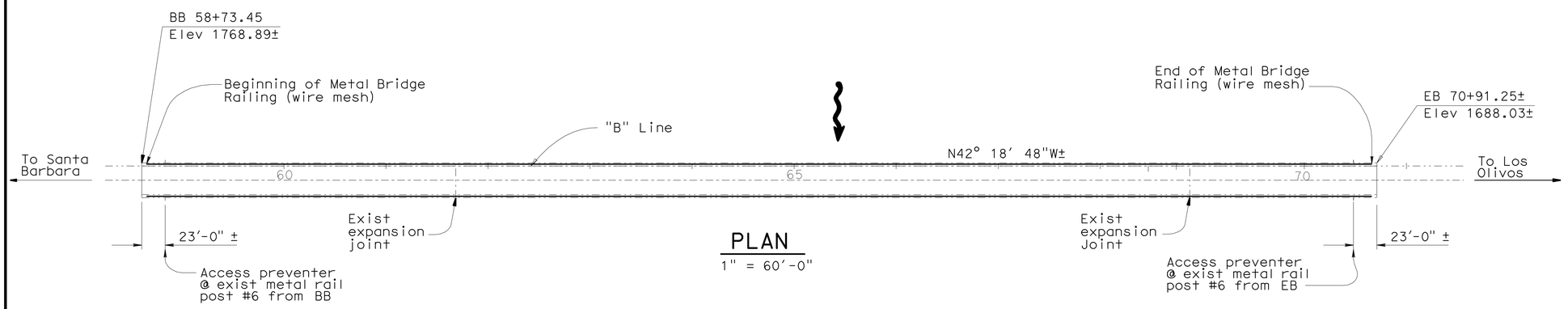


ELEVATION
1" = 60'-0"



TYPICAL SECTION
3/16" = 1'-0"



PLAN
1" = 60'-0"

INDEX TO PLANS

QUANTITIES

DRILL AND BOND DOWEL (CHEMICAL ADHESIVE)	2,080	EA
BAR REINFORCING STEEL (BRIDGE)	2,850	LB
METAL BRIDGE RAILING (WIRE MESH)	2,416	LF

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

DESIGN ENGINEER	DESIGN	BY W. Kwan	CHECKED G. Doria				
	DETAILS	BY H. Nguyen	CHECKED G. Doria	LAYOUT	BY H Nguyen	CHECKED W. Kwan	
	QUANTITIES	BY D. Sandhu	CHECKED G. Doria	SPECIFICATIONS	BY	PLANS AND SPECS COMPARED	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
STRUCTURE DESIGN
SPECIAL DESIGNS BRANCH

BRIDGE NO. 51-0037
POST MILE 22.9

COLD SPRING CANYON BRIDGE
GENERAL PLAN

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 10/25/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 05
EA 0P9101

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES: 2/28/07 | 6/8/09 | 7/13/09 | 10-15-09

SHEET 1 OF 7

FILE => 050P9101agp01.dgn

STRUCTURES DESIGN GENERAL PLAN SHEET (ENGLISH) (REV.07-24-06)

USERNAME => rtmikes1 DATE PLOTTED => 07-DEC-2009 TIME PLOTTED => 05:44

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
05	SB	154	23.0	8	13

Genaro M. Doria
REGISTERED CIVIL ENGINEER DATE

11-30-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — GENARO M. DORIA — No. C63583 — Exp. 9/30/10 — CIVIL — STATE OF CALIFORNIA

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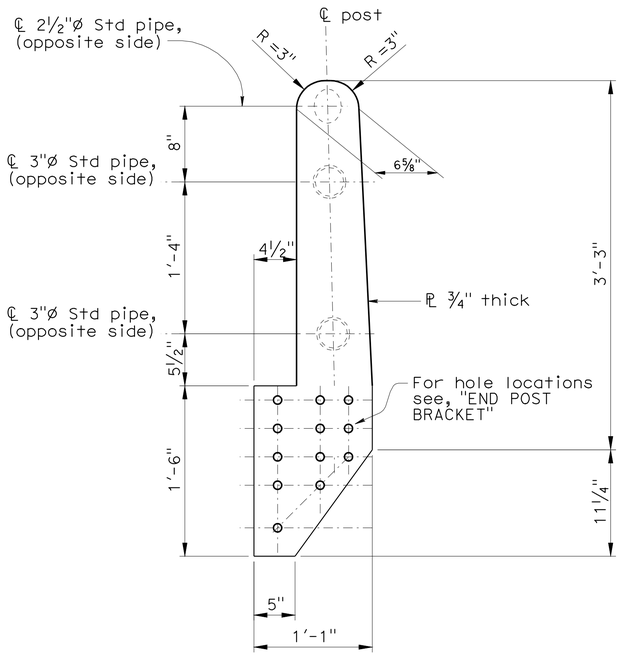
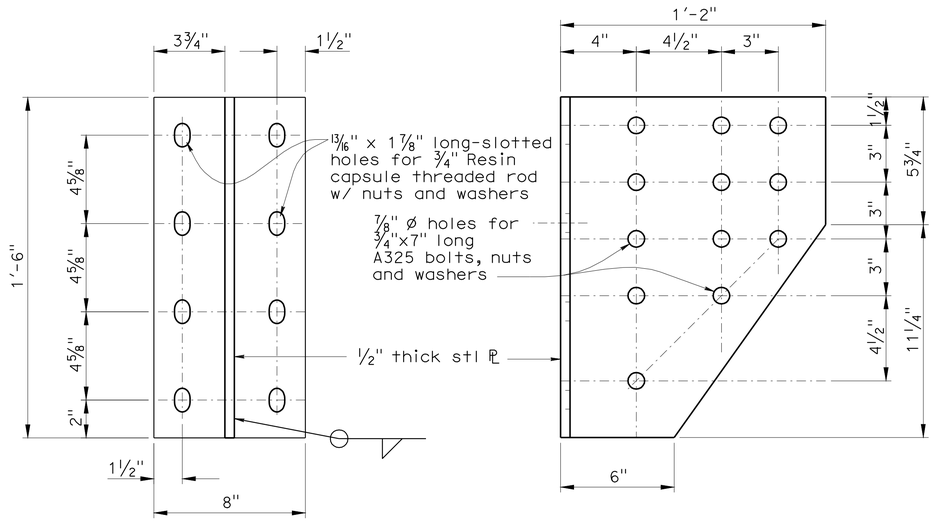


END POST DETAIL

NO SCALE



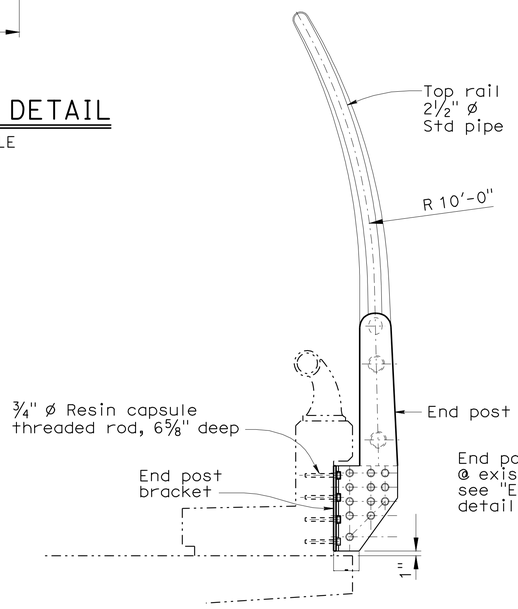
FRONT VIEW SIDE VIEW

END POST BRACKET

NO SCALE

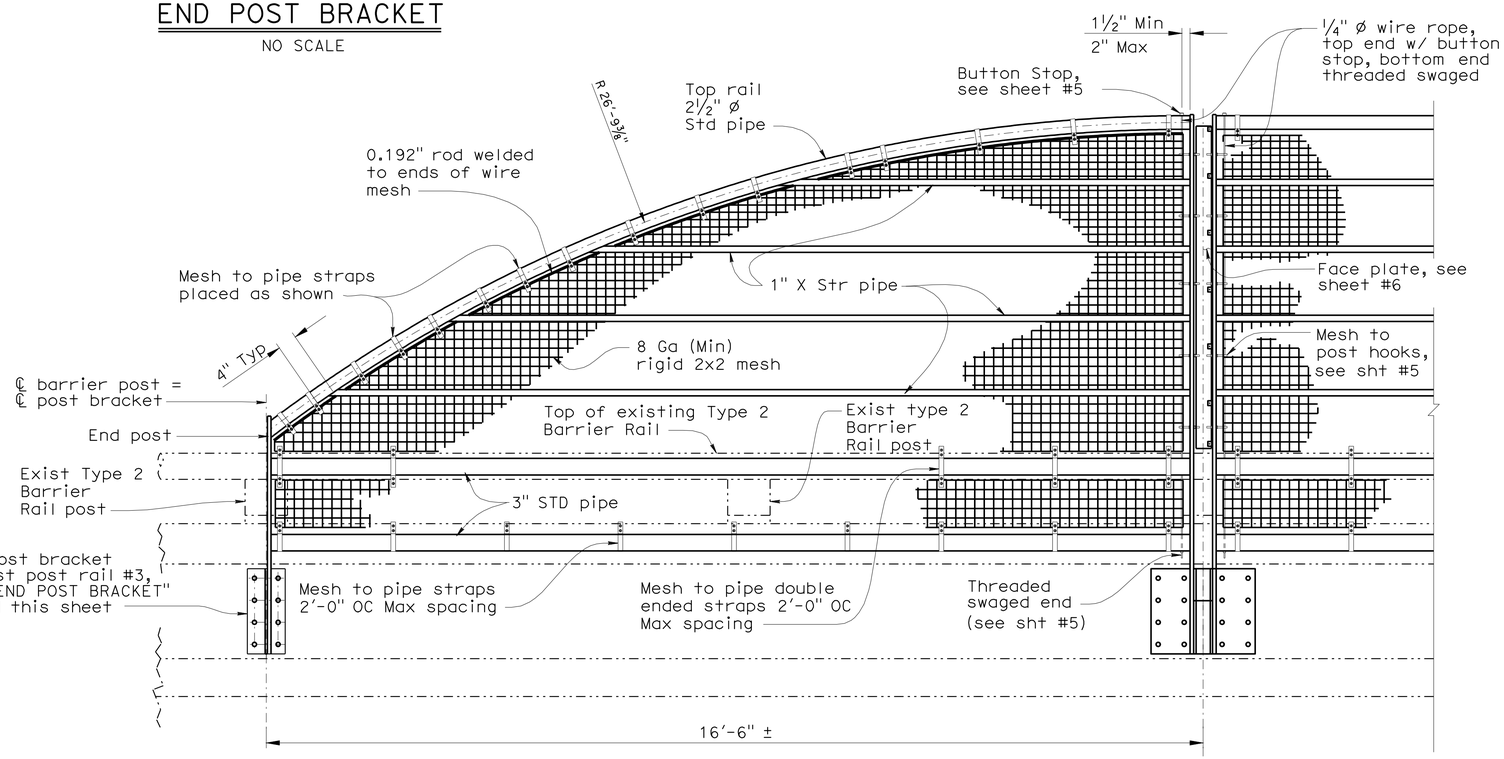
Notes:

1. For mesh to pipe connection details see "MESH TO POST CONNECTION DETAILS".
2. Place mesh hooks centered along center line of post and midway between horizontal bars or pipes.
3. 9 gauge galvanized wire ties shall be used along 1" horz pipes @ 1'-0" OC Max. (typical all panels).
4. All four corners have similar beginning and ending detail. Metal Bridge Railing (wire mesh) begins and ends at 3rd post rail from BB and EB.



END VIEW @ BEGINNING OF METAL BRIDGE RAILING (WIRE MESH)

NO SCALE



ELEVATION @ BEGINNING OF METAL BRIDGE RAILING (WIRE MESH)

NO SCALE

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

DESIGN	BY W. Kwan	CHECKED G. Doria	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN	BRIDGE NO. 51-0037
DETAILS	BY P. Wells	CHECKED G. Doria		SPECIAL DESIGNS BRANCH	POST MILE 22.9
QUANTITIES	BY D. Sandhu	CHECKED G. Doria			

COLD SPRING CANYON BRIDGE
BEGIN AND END DETAIL

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 10/25/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 05
EA 0P9101

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 2/28/07 | 6/11/09 | 7/12/09

SHEET 2 OF 7

FILE => 050P9101umisc01.dgn

USERNAME => trmikesi DATE PLOTTED => 07-DEC-2009 TIME PLOTTED => 05:44

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
05	SB	154	23.0	9	13

Genaro M. Doria
REGISTERED CIVIL ENGINEER DATE

11-30-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GENARO M. DORIA
No. C63583
Exp. 9/30/10
CIVIL
STATE OF CALIFORNIA

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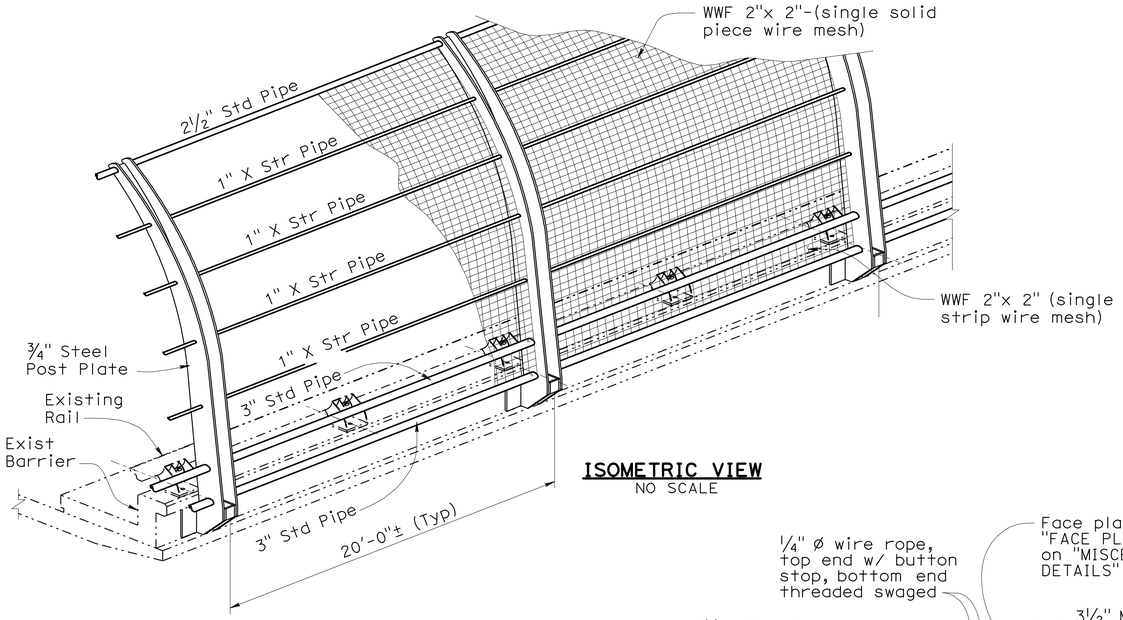
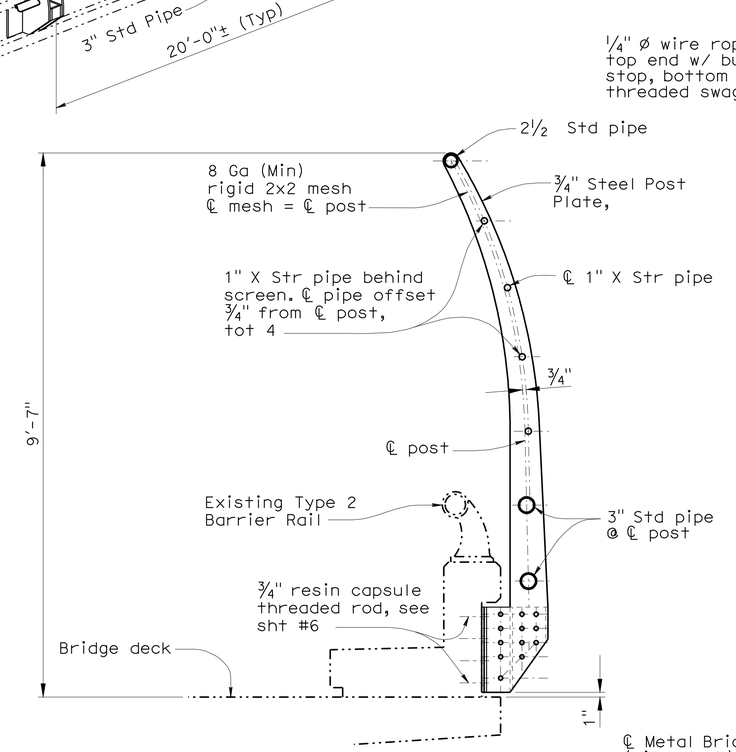


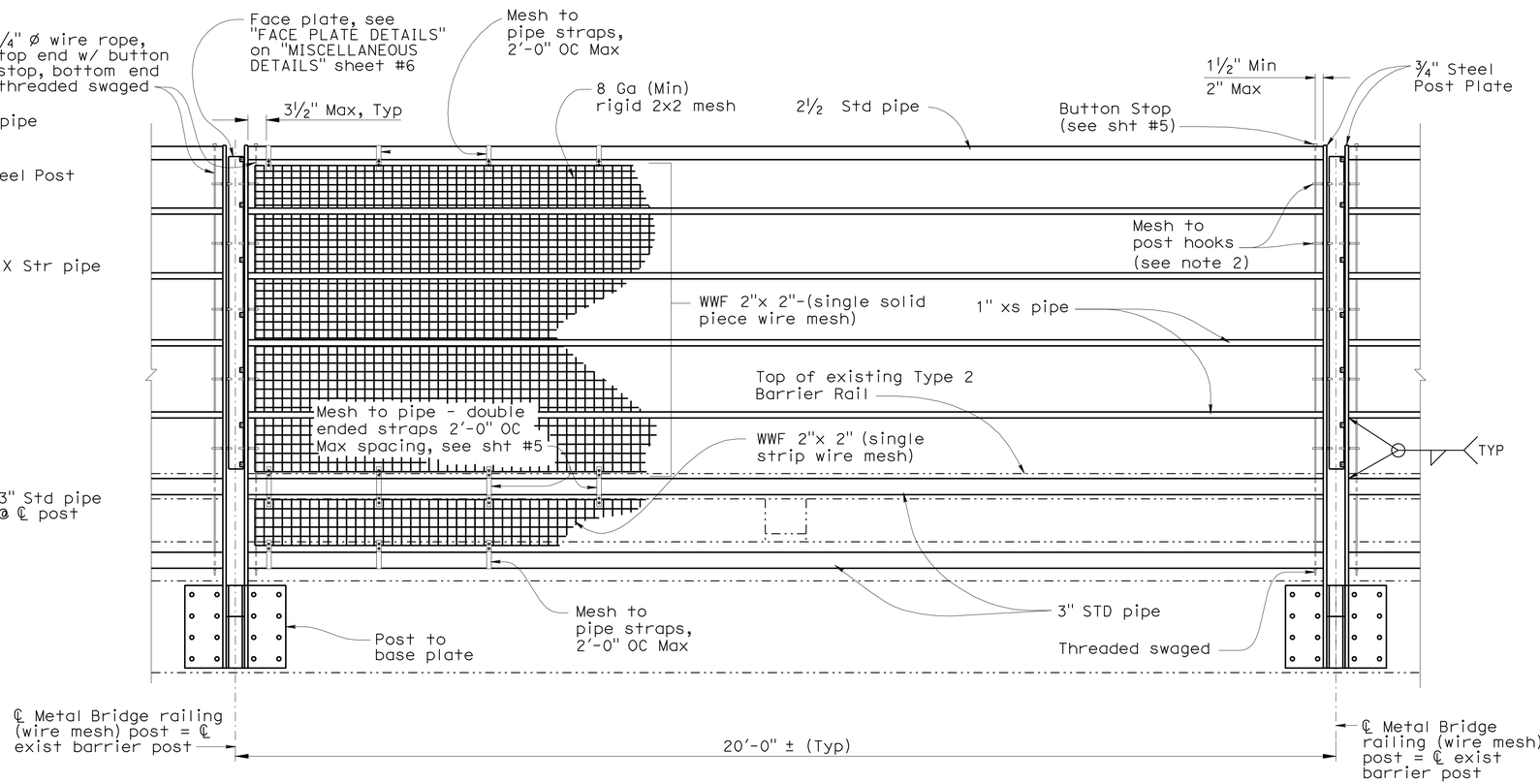
ISOMETRIC VIEW
NO SCALE

Notes:

1. For mesh to pipe connection details see "MESH TO POST CONNECTION DETAILS".
2. Place mesh to post hooks centered along center line of post and midway between horizontal bars as shown.
3. 9 gauge galvanized wire ties shall be used along 1" horz pipes @ 1'-0" OC Max. (typical all panels).



TYPICAL SECTION
NO SCALE



PART ELEVATION
NO SCALE

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

DESIGN	BY W. Kwan	CHECKED G. Doria	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN	BRIDGE NO. 51-0037
DETAILS	BY P. Wells	CHECKED G. Doria		SPECIAL DESIGNS BRANCH	POST MILE 22.9
QUANTITIES	BY D. Sandhu	CHECKED G. Doria		CU 05 EA 0P9101	

COLD SPRING CANYON BRIDGE
TYPICAL PANEL DETAILS

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 10/25/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES: 7/25/07 | 6/8/09 | 7/12/09

SHEET 3 OF 7

FILE => 050P9101umisc02.dgn

USERNAME => trmikesi DATE PLOTTED => 07-DEC-2009 TIME PLOTTED => 05:44

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
05	SB	154	23.0	10	13

Genaro M. Doria
REGISTERED CIVIL ENGINEER DATE

11-30-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GENARO M. DORIA
No. C63583
Exp. 9/30/10
CIVIL
STATE OF CALIFORNIA

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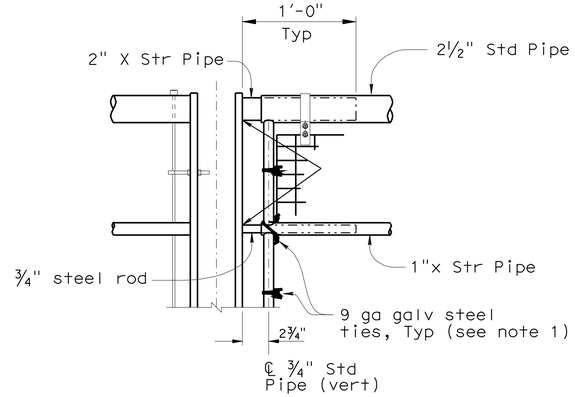
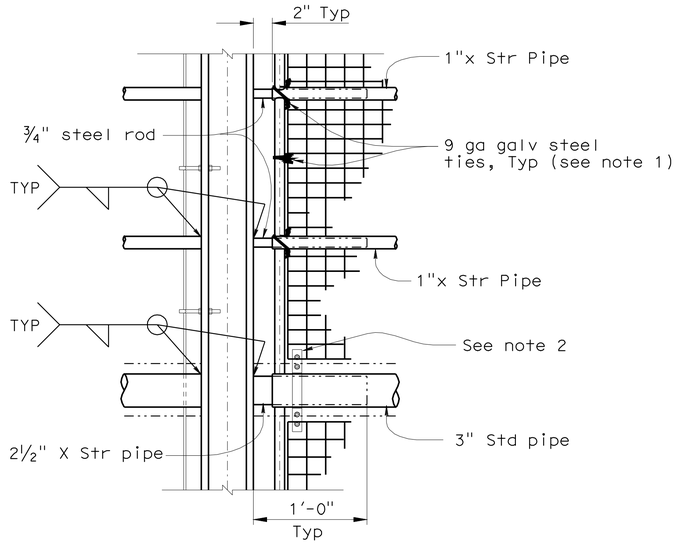


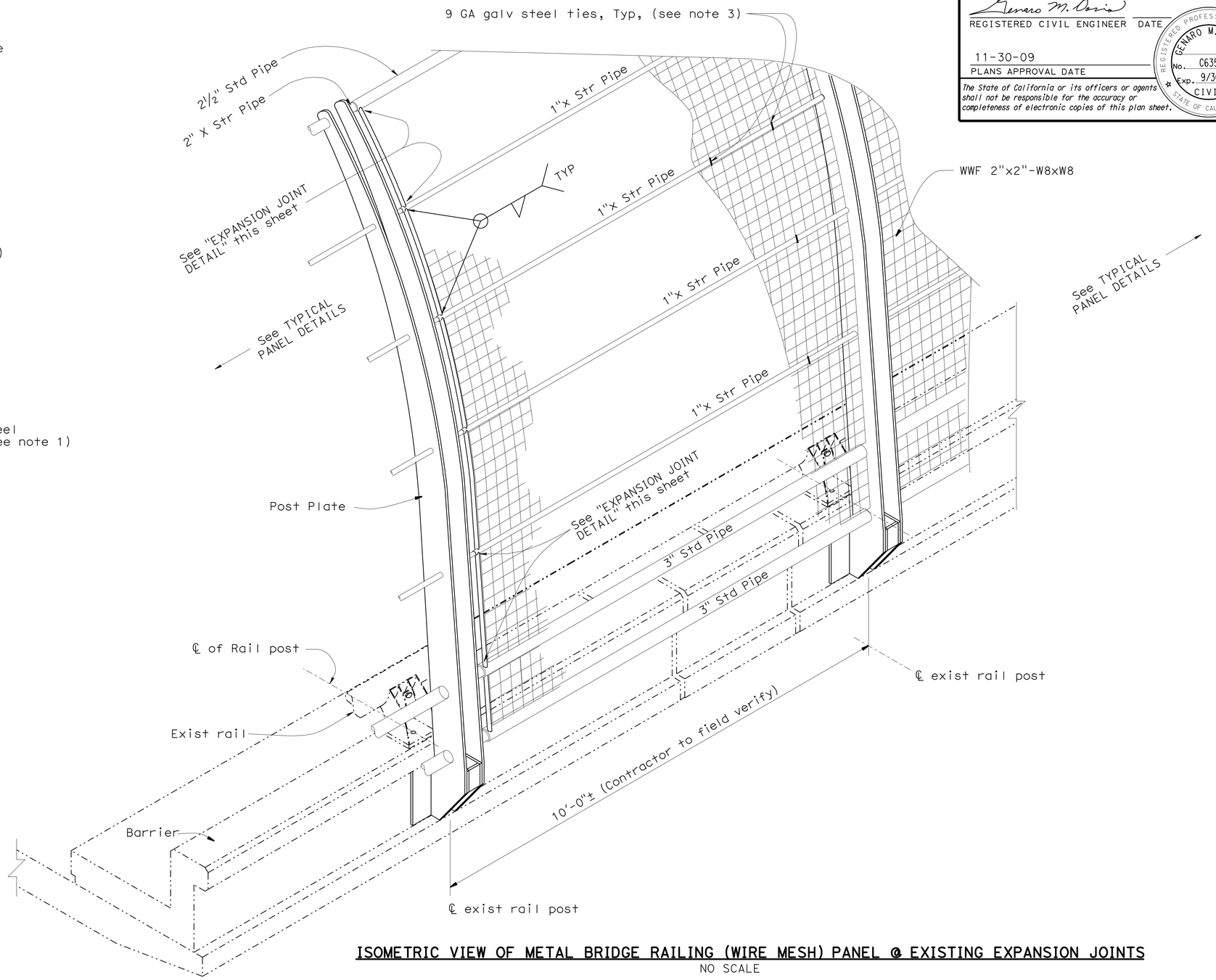


EXPANSION JOINT DETAIL
NO SCALE

NOTES:

1. 9 gauge galvanized wire ties shall be used along ¾" vert pipes.
2. All straps along 3" ø horz pipes and 2½" ø horz pipes are similar to typical Metal Bridge Railing (wire mesh) panel.
3. 9 gauge galvanized wire ties shall be used along 1" horz pipes @ 1'-0" OC Max.
4. Total of four 10'-0" panels to be placed at expansion joint locations as referred to on GP.

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



ISOMETRIC VIEW OF METAL BRIDGE RAILING (WIRE MESH) PANEL @ EXISTING EXPANSION JOINTS
NO SCALE

DESIGN	BY W. Kwan	CHECKED G. Doria	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN	BRIDGE NO. 51-0037	COLD SPRING CANYON BRIDGE	
DETAILS	BY P. Wells	CHECKED G. Doria		SPECIAL DESIGNS BRANCH	POST MILE 22.9	EXPANSION JOINT PANEL	
QUANTITIES	BY D. Sandhu	CHECKED G. Doria					

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 10/25/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 05
EA 0P9101

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 2/28/07 | 5/11/09 | 7/12/09

SHEET 4 OF 7

FILE => 050P9101umisc03.dgn

USERNAME => tmikesl DATE PLOTTED => 07-DEC-2009 TIME PLOTTED => 05:45

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
05	SB	154	23.0	11	13

Gerardo M. Doria
REGISTERED CIVIL ENGINEER DATE

11-30-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GERARDO M. DORIA
No. C63583
Exp. 9/30/10
CIVIL
STATE OF CALIFORNIA

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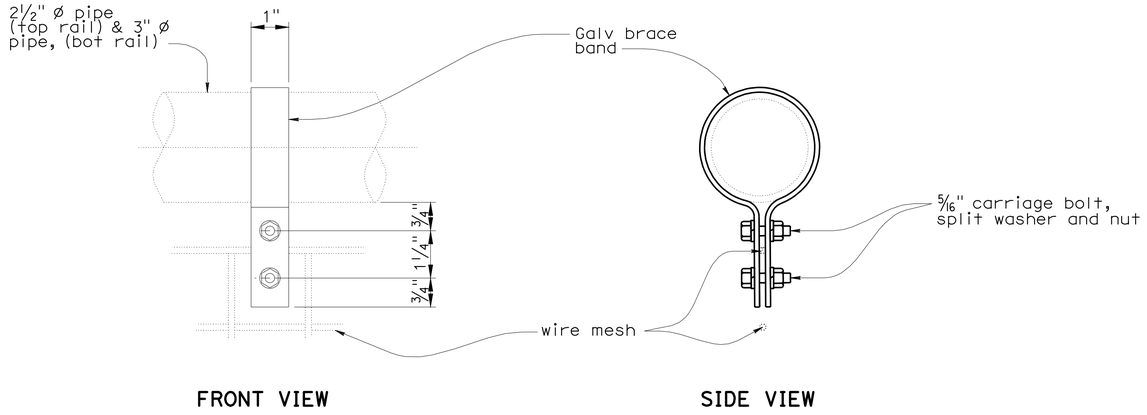
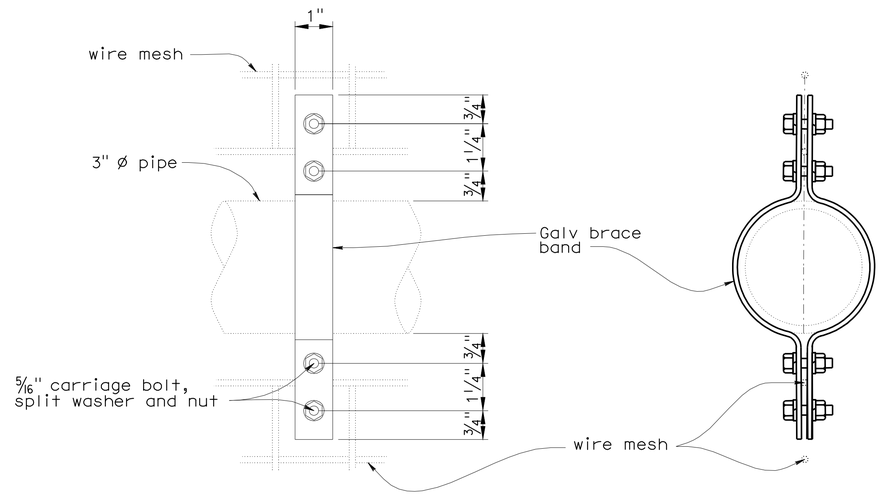


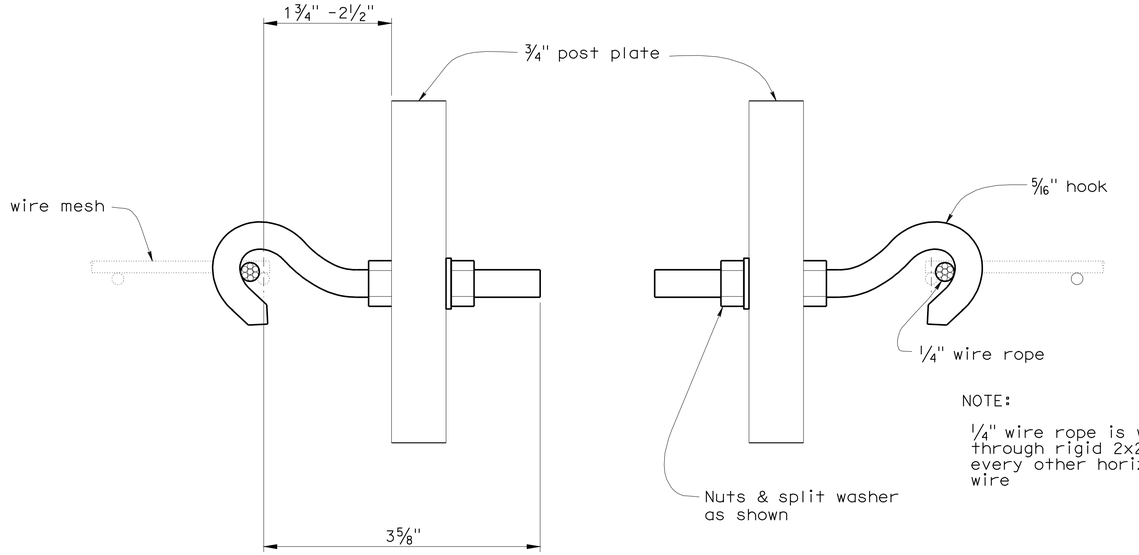
FRONT VIEW SIDE VIEW

SINGLE-ENDED STRAP



FRONT VIEW SIDE VIEW

DOUBLE-ENDED STRAPS



NOTE:
¼" wire rope is weaved through rigid 2x2 mesh every other horizontal wire

MESH TO POST HOOKS

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

DESIGN	BY G. Doria	CHECKED D. Sandhu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN	BRIDGE NO. 51-0037
DETAILS	BY P. Wells	CHECKED G. Doria		SPECIAL DESIGNS BRANCH	POST MILE 22.9
QUANTITIES	BY D. Sandhu	CHECKED G. Doria		CU 05 EA 0P9100	

COLD SPRING CANYON BRIDGE
MESH TO POST CONNECTION DETAILS

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 10/25/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES: 2/28/07 9/12/09

SHEET 5 OF 7

FILE => 050P9101umisc04.dgn

USERNAME => ttmikesi DATE PLOTTED => 07-DEC-2009 TIME PLOTTED => 05:45

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
05	SB	154	23.0	12	13

Genaro M Doria
REGISTERED CIVIL ENGINEER DATE

11-30-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER GENARO M. DORIA No. C63583 Exp. 9/30/10 CIVIL STATE OF CALIFORNIA

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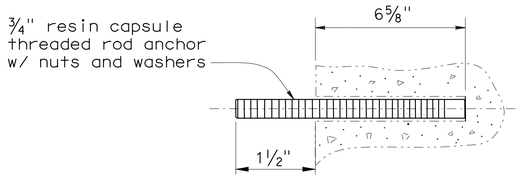
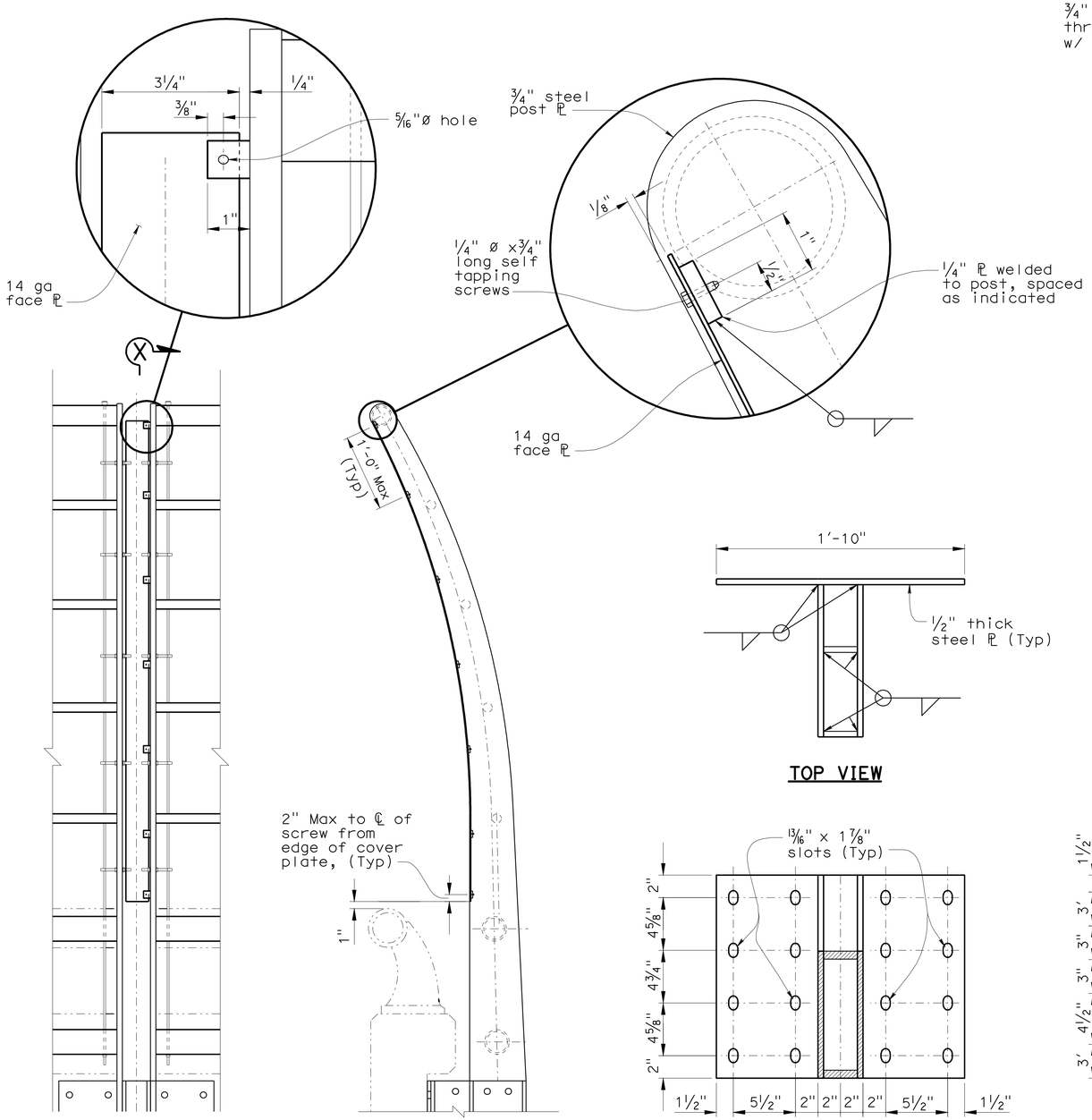


RESIN CAPSULE ANCHORAGE

NOTE:

Resin capsule anchorage is subject to approval of Engineer. Installation procedures shall comply with manufacturer's instruction.



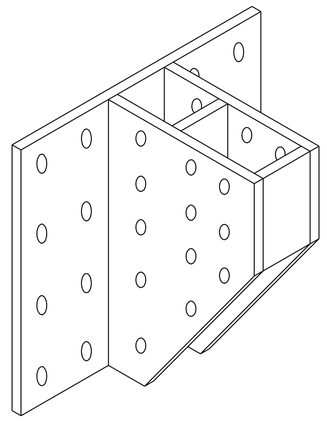
BACK VIEW

SECTION X-X

FACE PLATE DETAILS

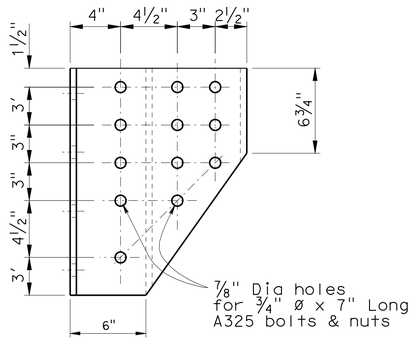
NO SCALE

TOP VIEW



ISOMETRIC VIEW

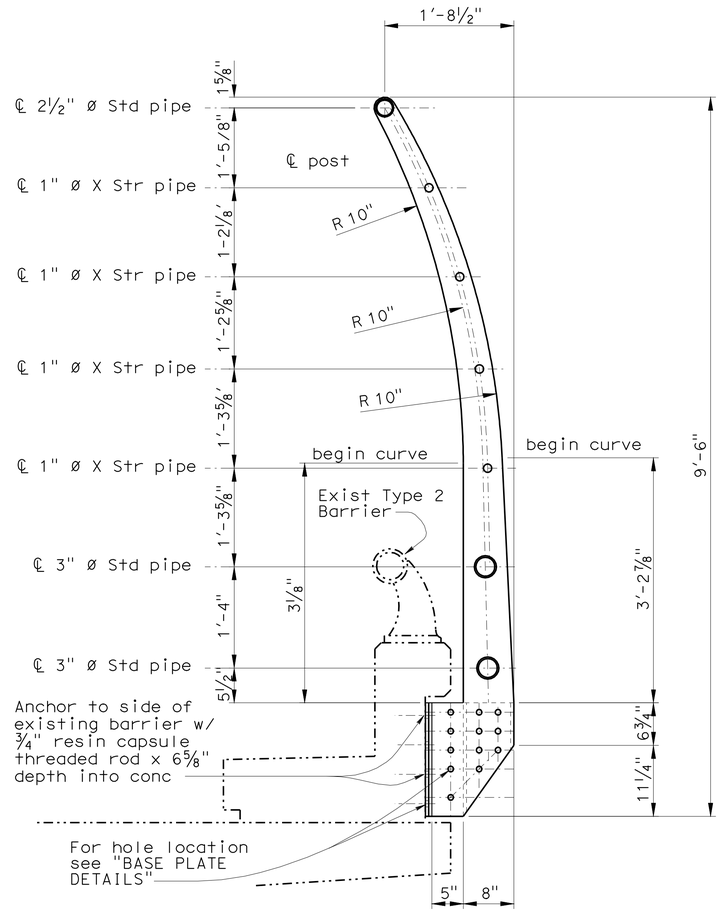
ELEVATION



FRONT

BASE PLATE DETAILS

NO SCALE



POST DETAILS

NO SCALE

DESIGN	BY W. Kwan	CHECKED G. Doria	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN	BRIDGE NO. 51-0037
DETAILS	BY P. Wells	CHECKED G. Doria		SPECIAL DESIGNS BRANCH	POST MILE 22.9
QUANTITIES	BY D. Sandhu	CHECKED G. Doria			

COLD SPRING CANYON BRIDGE
MISCELLANEOUS DETAILS

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 10/25/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU 05
EA 0P9101

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES: 2/28/07 7/12/09

SHEET 6 OF 7

FILE => 050P9101umisc05.dgn

USERNAME => tfmikesl DATE PLOTTED => 07-DEC-2009 TIME PLOTTED => 05:45

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
05	SB	154	23.0	13	13

Genaro M. Doria
REGISTERED CIVIL ENGINEER DATE

11-30-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
GENARO M. DORIA
No. C63583
Exp. 9/30/10
CIVIL
STATE OF CALIFORNIA

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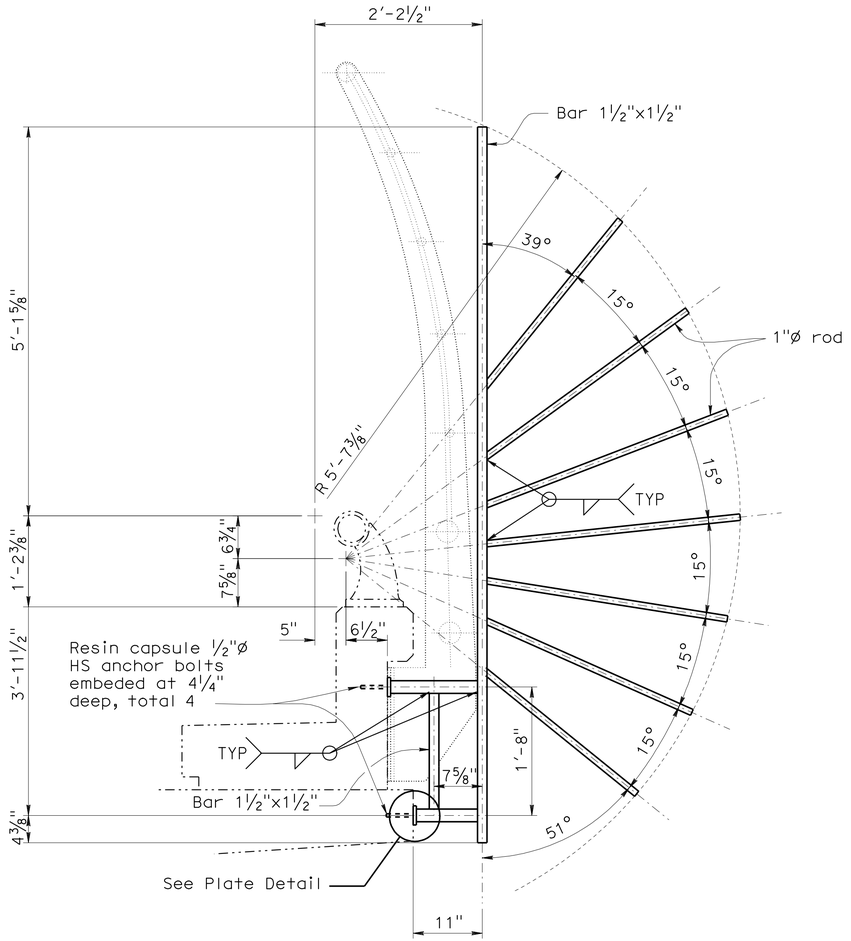

ACCESS PREVENTER DETAIL

NO SCALE

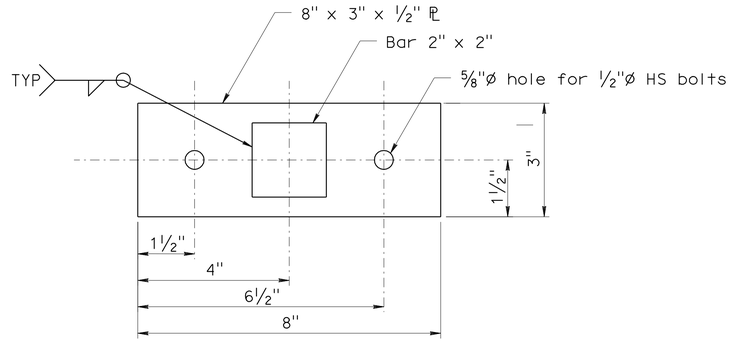

PLATE DETAIL

NO SCALE

NOTE:

See GP sheet for approx layout locations of 4 Access Preventers.

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

DESIGN	BY G. Doria	CHECKED V. Lopez	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN SPECIAL DESIGNS BRANCH	BRIDGE NO. 51-0037	COLD SPRING CANYON BRIDGE
DETAILS	BY B. Edwards	CHECKED G. Doria			POST MILE 22.9	ACCESS PREVENTER DETAILS
QUANTITIES	BY D. Sandhu	CHECKED G. Doria		CU 05 EA 0P9101		

STRUCTURES DESIGN DETAIL SHEET (ENGLISH) (REV. 10/25/05)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES

SHEET 7 OF 7

USERNAME => tmikesl DATE PLOTTED => 07-DEC-2009 TIME PLOTTED => 05:45

FILE => 050P9101umisc06.dgn