

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	CONSTRUCTION DETAILS
3	CONSTRUCTION AREA SIGNS
4-8	REVISED AND NEW STANDARD PLANS

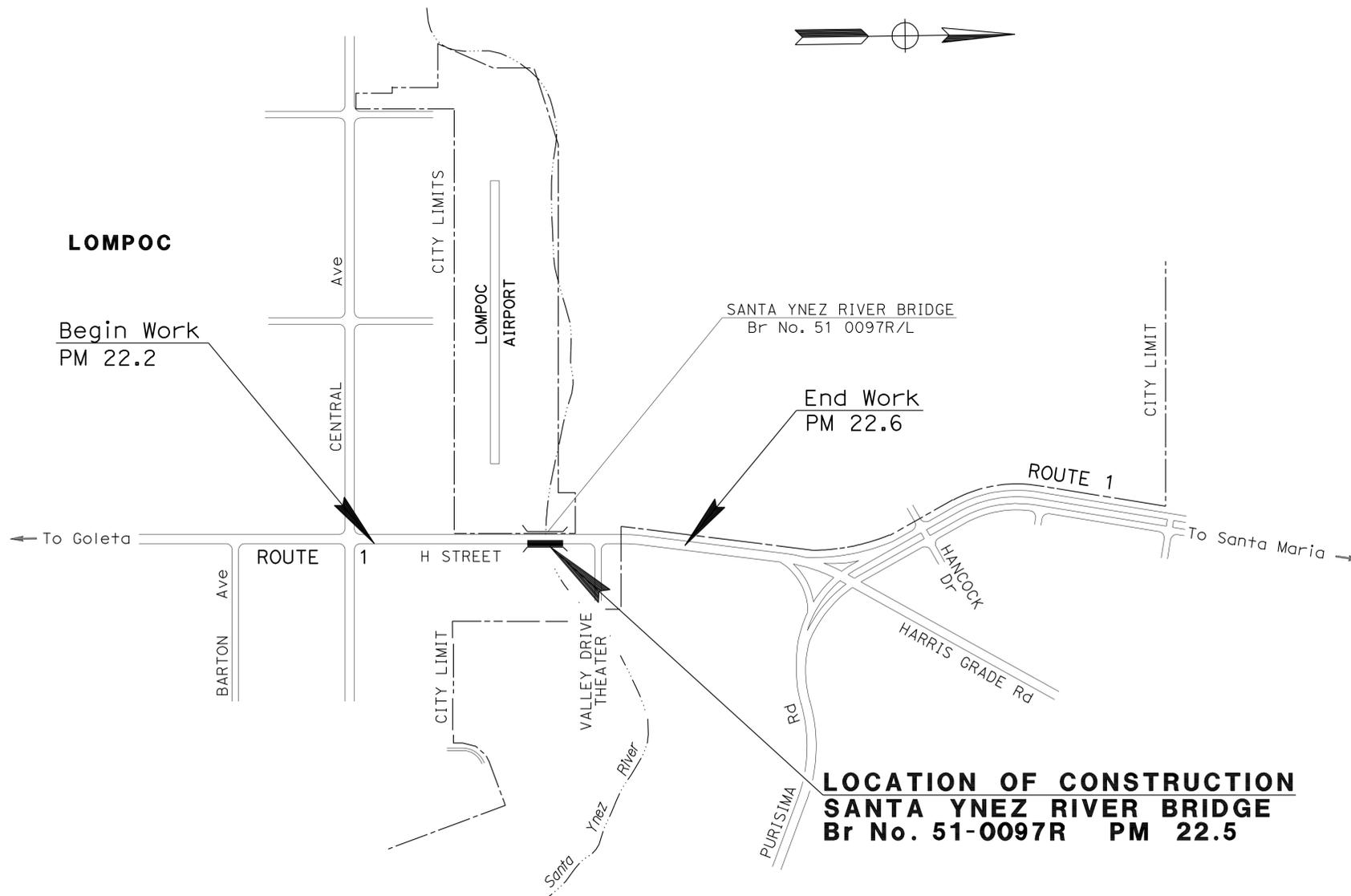
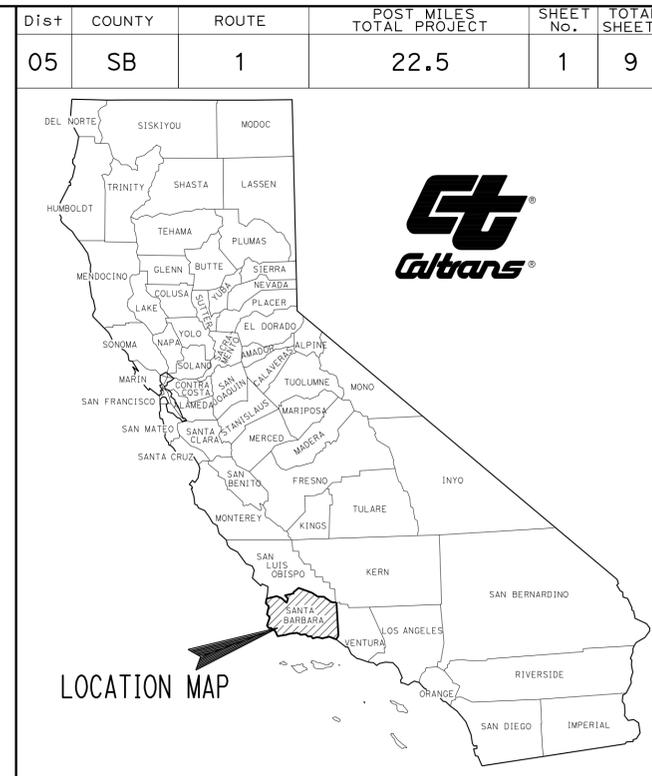
STRUCTURE PLANS

9	ROUTE 1 BRIDGE Br No. 51-0097R
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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 SANTA BARBARA COUNTY
IN LOMPOC
AT THE SANTA YNEZ RIVER BRIDGE

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



**LOCATION OF CONSTRUCTION
SANTA YNEZ RIVER BRIDGE
Br No. 51-0097R PM 22.5**

NO SCALE

PROJECT MANAGER KELLY J. McCLAIN
DESIGN ENGINEER KELLY J. McCLAIN

Kelly J. McClain 7-7-11
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER



September 19, 2011
PLANS APPROVAL DATE

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CONTRACT No.	05-0T9104
PROJECT ID	0500020111

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

DATE PLOTTED => 20-SEP-2011 TIME PLOTTED => 14:24 07-07-11

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	1	22.5	2	9

<i>Kelly J. McClain</i>	7-7-11
REGISTERED CIVIL ENGINEER	DATE
9-19-11	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER	K.L. MCKINLEY
No. 49413	
Exp. 9-30-12	
CIVIL	

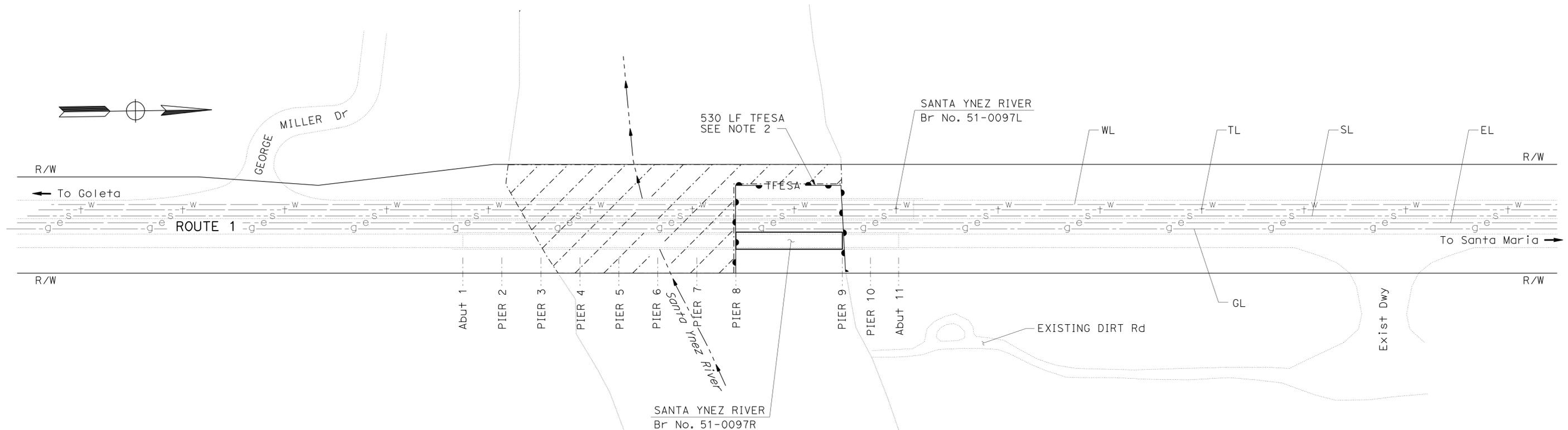
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

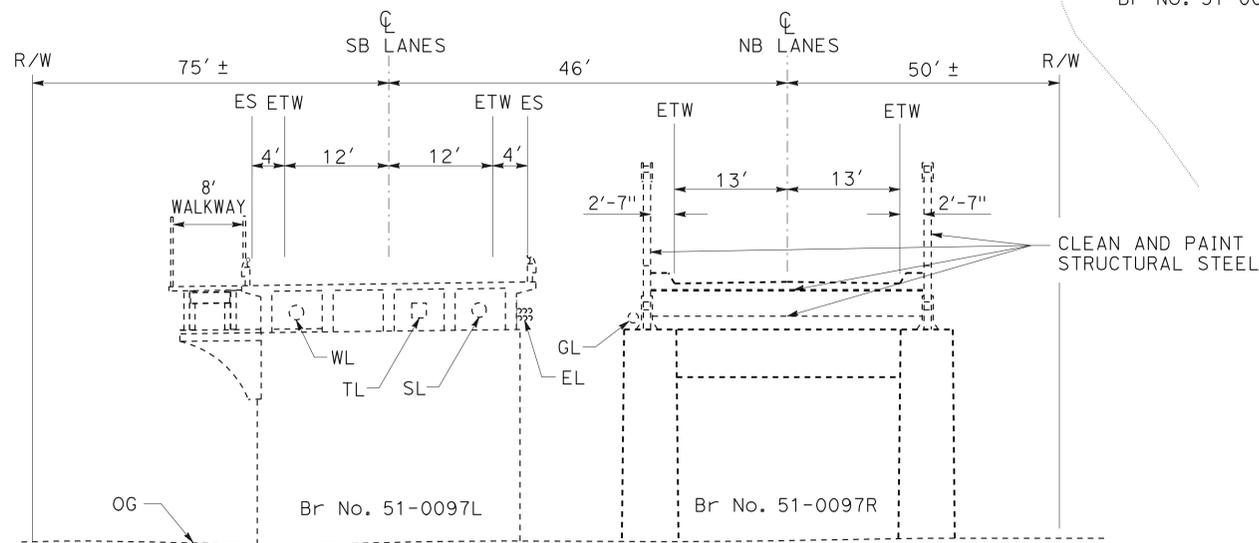
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- EXACT LIMIT OF TEMPORARY FENCE (TYPE ESA) TO BE DETERMINED BY ENGINEER.

LEGEND:

-  ENVIRONMENTALLY SENSITIVE AREA (ESA)
- WL EXISTING 14" WATER - OWNER CITY OF LOMPOC
- TL EXISTING TELEPHONE - OWNER VERIZON
- SL EXISTING 14" SEWER - OWNER CITY OF LOMPOC
- EL EXISTING ELECTRICAL - OWNER SOUTHERN CALIFORNIA EDISON, PACIFIC GAS AND ELECTRIC
- GL EXISTING 10" HP GAS - OWNER SOUTHERN CALIFORNIA GAS
-  TFESA TEMPORARY FENCE (TYPE ESA)



PLAN



TYPICAL SECTION

WORK PERFORMED ON RIGHT BRIDGE ONLY

CONSTRUCTION DETAILS
NO SCALE
C-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR: KELLY J. McCLAIN
 CALCULATED/DESIGNED BY: KELLY J. McCLAIN
 CHECKED BY: KELLY J. McCLAIN
 REVISIONS BY: KELLY L. MCKINLEY
 DATE REVISIONS: KELLY J. McCLAIN

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	1	22.5	3	9

K.L. McKinley 7-7-11
 REGISTERED CIVIL ENGINEER DATE

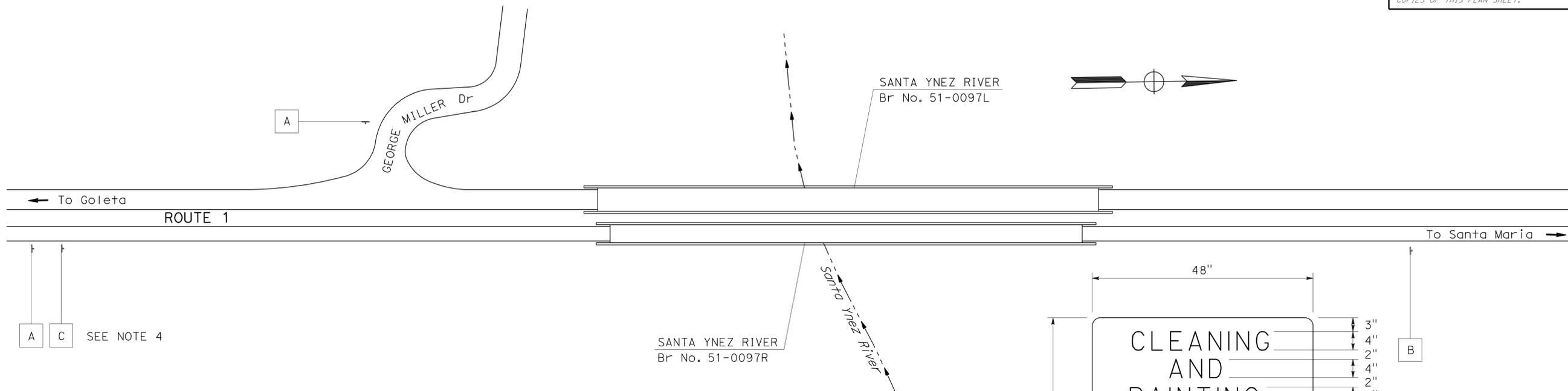
9-19-11
 PLANS APPROVAL DATE

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
 K.L. MCKINLEY
 No. 49413
 Exp. 9-30-12
 CIVIL
 STATE OF CALIFORNIA

LEGEND:

□ CONSTRUCTION AREA SIGN



NOTES:

- SIGN LOCATIONS SHOWN ARE APPROXIMATE. EXACT LOCATION OF CONSTRUCTION AREA SIGNS TO BE DETERMINED BY THE ENGINEER.
- EXISTING UTILITY FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
- SPECIAL SIGN TO ALSO INCLUDE CONTRACTOR'S NAME, ADDRESS AND PHONE NUMBER.
- AT THE OPTION OF CONTRACTOR SPECIAL SIGN "C" MAY BE MOUNTED ON SAME POST AS W20-1.

BLACK LETTERS ON ORANGE BACKGROUND
SPECIAL SIGN "C"
 SEE NOTE 3

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN	CODE	MESSAGE	PANEL SIZE	No. OF SIGNS	No. OF POSTS AND SIZE
A	W20-1	ROAD WORK AHEAD	48" x 48"	2	1 - 4" x 6"
B	G20-2	END ROAD WORK	48" x 24"	1	1 - 4" x 6"
C	SPECIAL	CLEANING AND PAINTING OPERATIONS	48" x 48"	1	1 - 4" x 6"

CONSTRUCTION AREA SIGNS
 NO SCALE
CS-1

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR
 KELLY J. McCLAIN
 CALCULATED/DESIGNED BY
 KELLY L. MCKINLEY
 CHECKED BY
 KELLY J. McCLAIN
 REVISED BY
 DATE REVISED

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SB	1	22.5	4	9

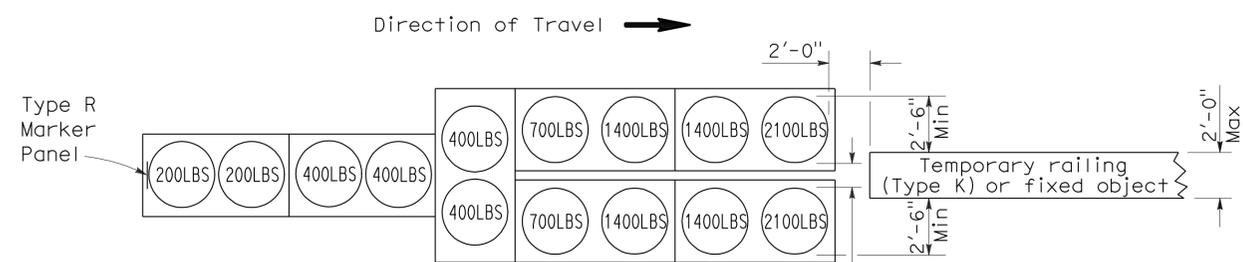
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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.

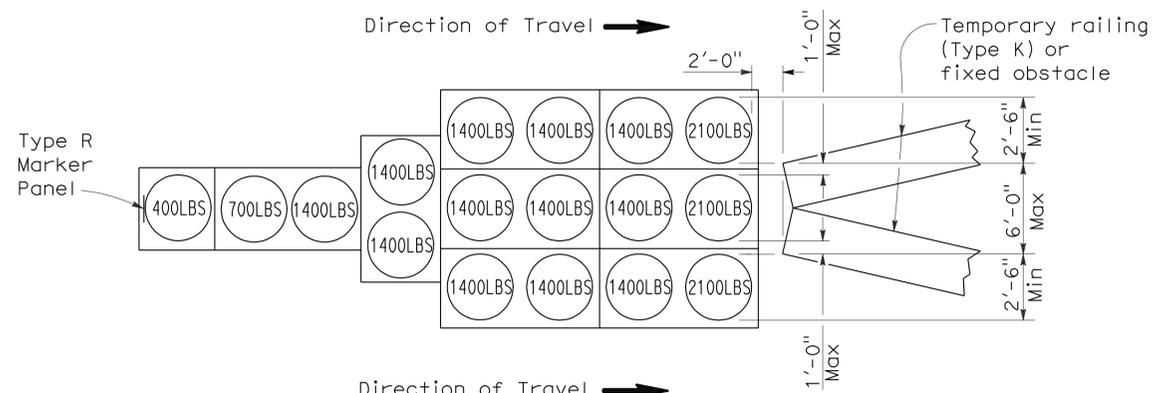
REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 9-19-11



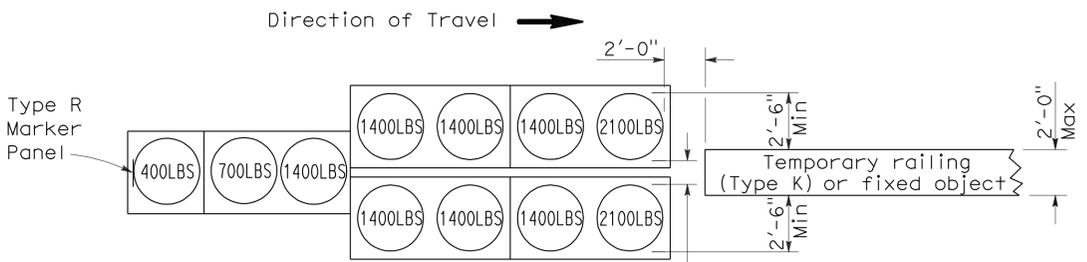
ARRAY 'TU14'

Approach speed 45 mph or more



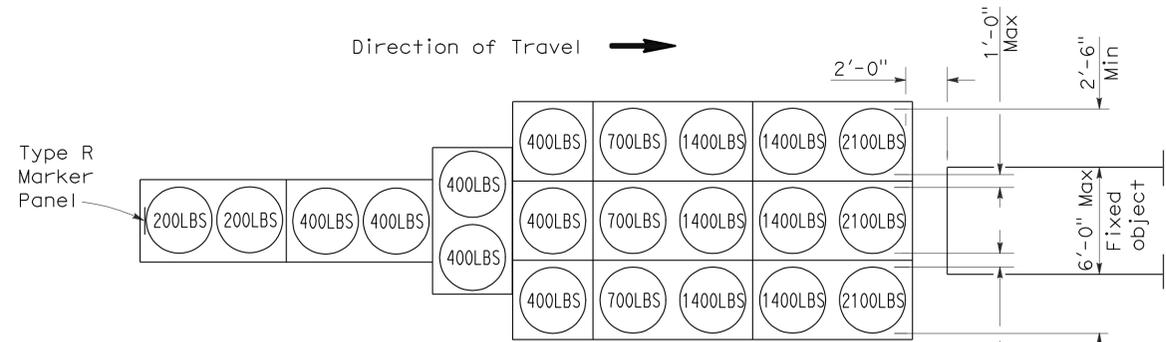
ARRAY 'TU17'

Approach speed less than 45 mph



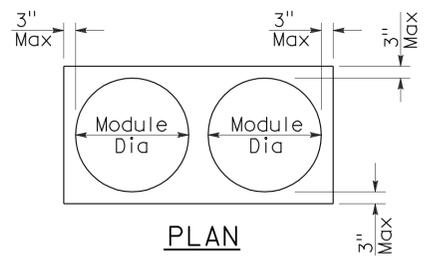
ARRAY 'TU11'

Approach speed less than 45 mph

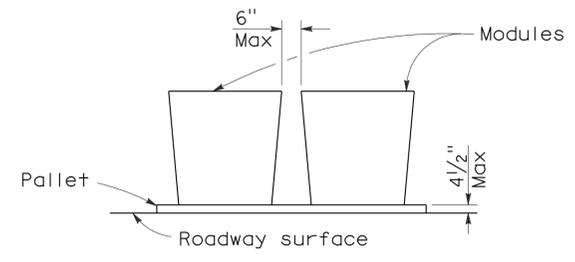


ARRAY 'TU21'

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 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

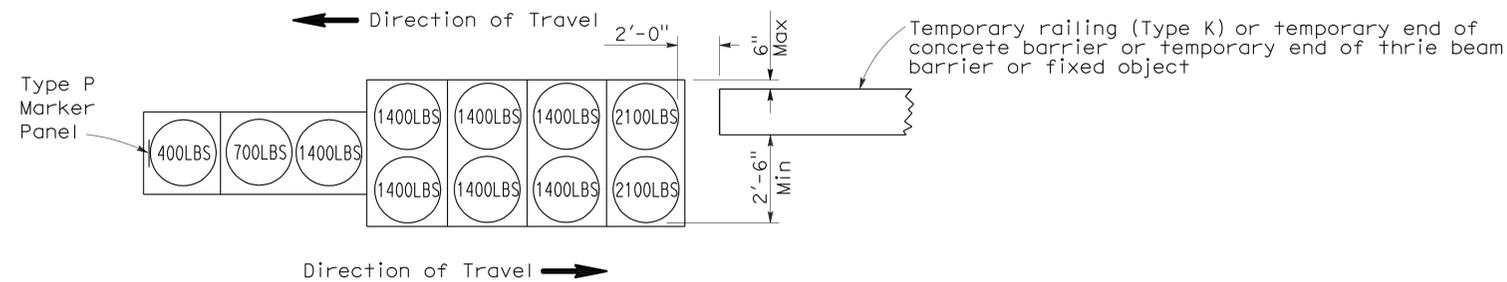
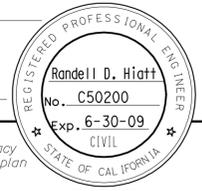
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SB	1	22.5	5	9

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

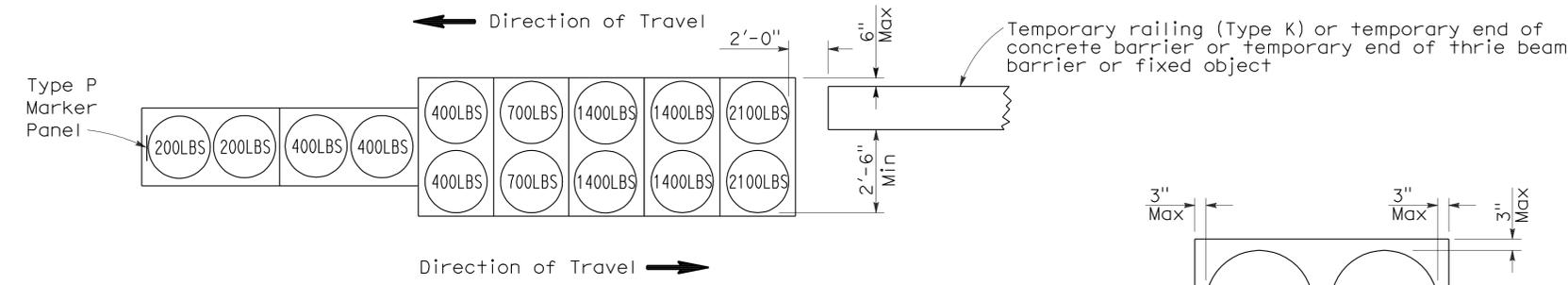
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 9-19-11



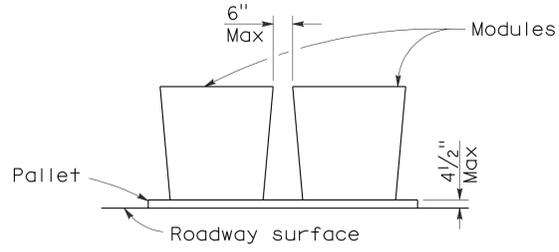
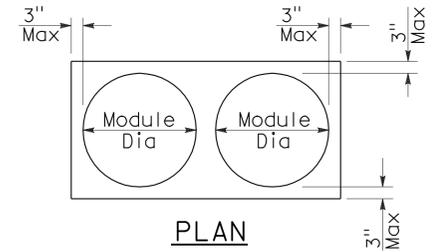
ARRAY 'TB11'

Approach speed less than 45 mph



ARRAY 'TB14'

Approach speed 45 mph or more



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

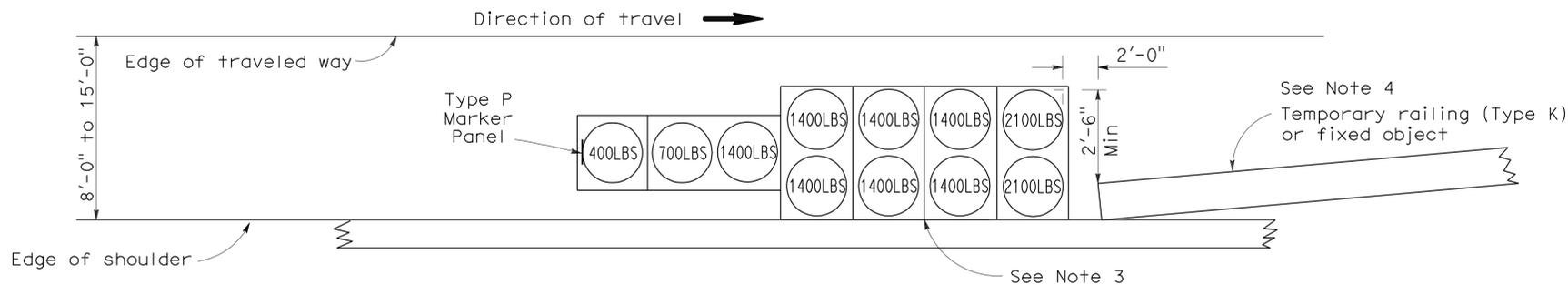
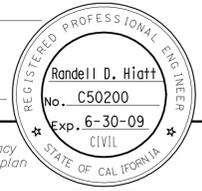
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SB	1	22.5	6	9

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

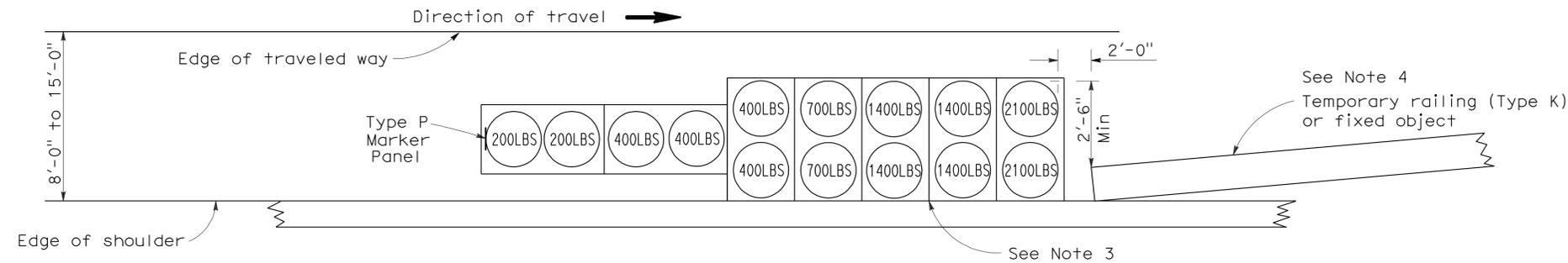
June 6, 2008
PLANS APPROVAL DATE

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To accompany plans dated 9-19-11



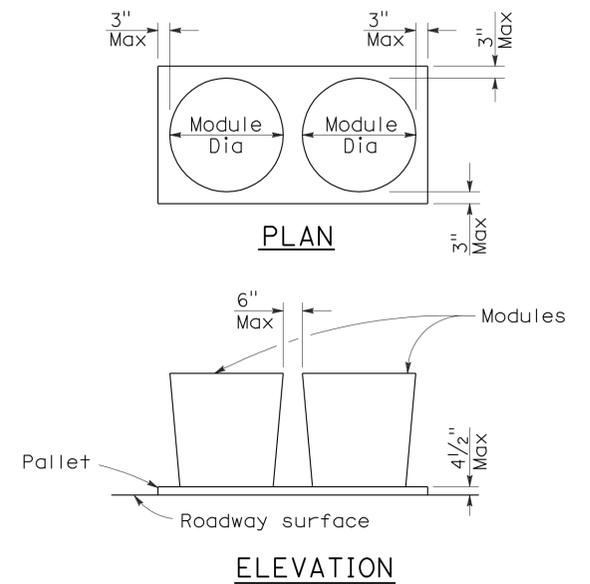
ARRAY 'TS11'
Approach speed less than 45 mph
See Note 9



ARRAY 'TS14'
Approach speed 45 mph or more
See Note 9

NOTES:

- (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.
- All sand weights are nominal.
- 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.
- 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.
- Temporary crash cushion arrays shall not encroach on the traveled way.
- Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
- Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
- Refer to Standard Plan A73B for marker details.
- 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.
- Approach speeds indicated conform to NCHRP 350 Report criteria.
- Use of pallets is optional.



CRASH CUSHION PALLET DETAIL
See Note 11

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	1	22.5	7	9

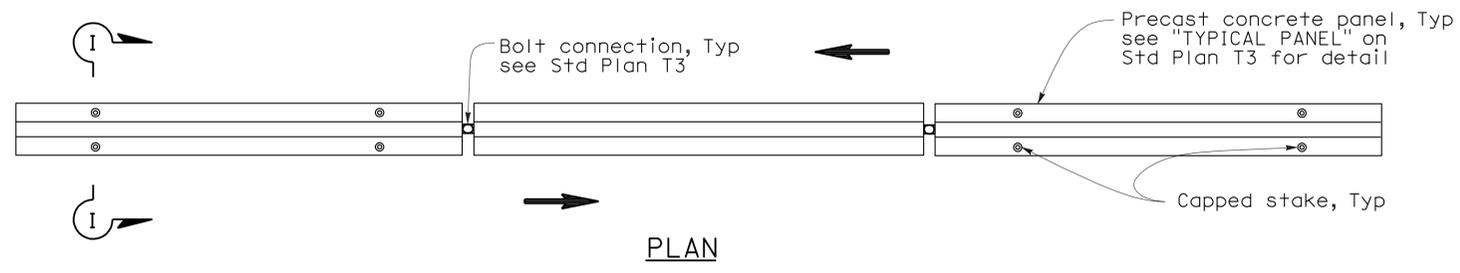
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

May 20, 2011
PLANS APPROVAL DATE

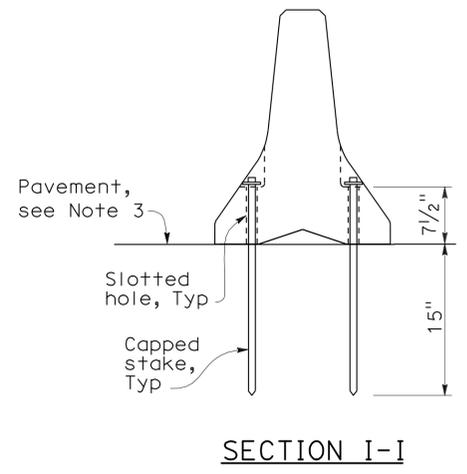
Randell D. Hiatt
No. C50200
Exp. 6-30-11
CIVIL
STATE OF CALIFORNIA

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To accompany plans dated 9-19-11

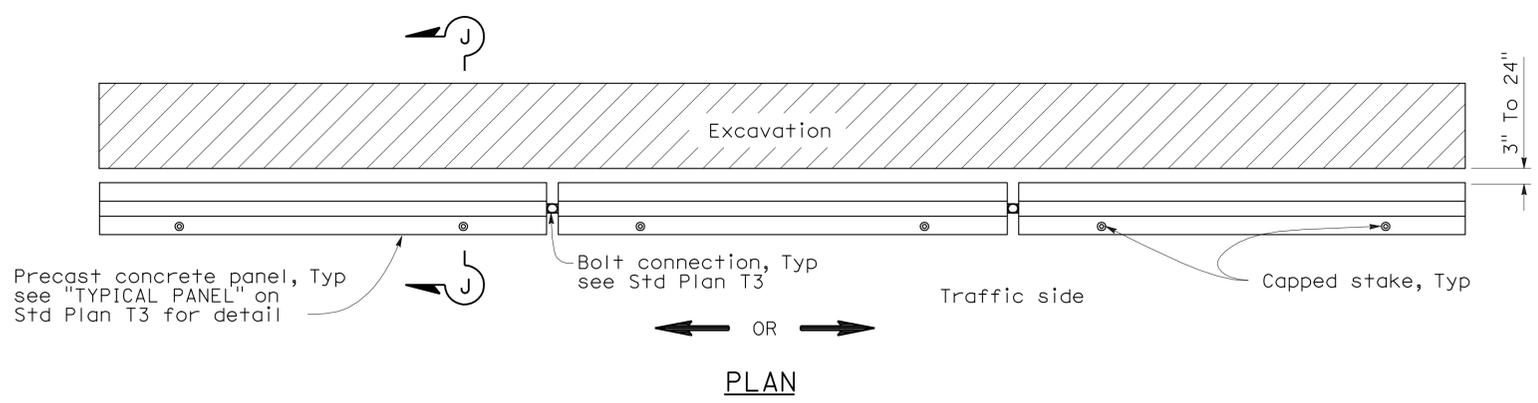


RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC
See Note 1

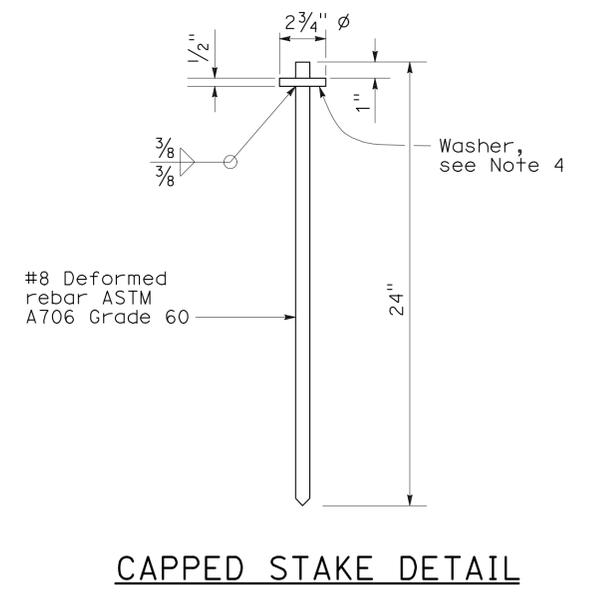
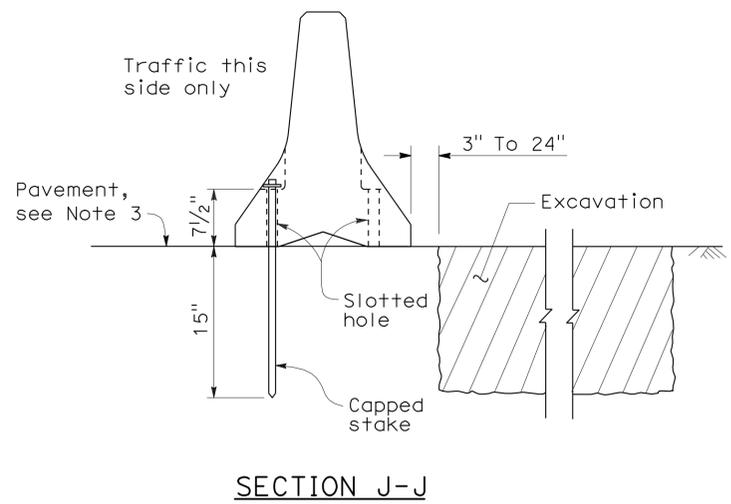


NOTES:

1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of an excavation on highways, use two capped stakes per panel along the traffic side.
3. Staked Type K Temporary Railing must be supported by at least 4" thick concrete, hot mix asphalt or existing asphalt concrete pavement.
4. The minimum yield strength for the washer must be 60,000 psi.
5. Direction of adjacent traffic indicated by \Rightarrow .



RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION
See Note 2



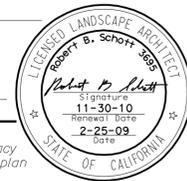
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY RAILING
(TYPE K)**
NO SCALE

NSP T3A DATED MAY 20, 2011 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

2006 NEW STANDARD PLAN NSP T3A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
05	SB	1	22.5	8	9

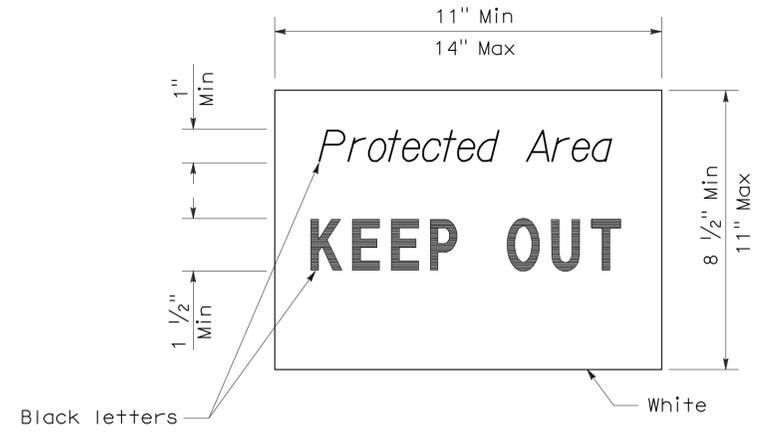
Robert B. Schott
 LICENSED LANDSCAPE ARCHITECT
 April 3, 2009
 PLANS APPROVAL DATE
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



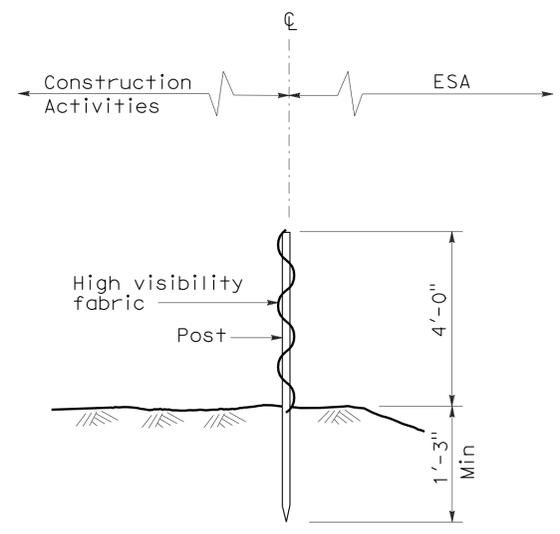
To accompany plans dated 9-19-11

NOTE:

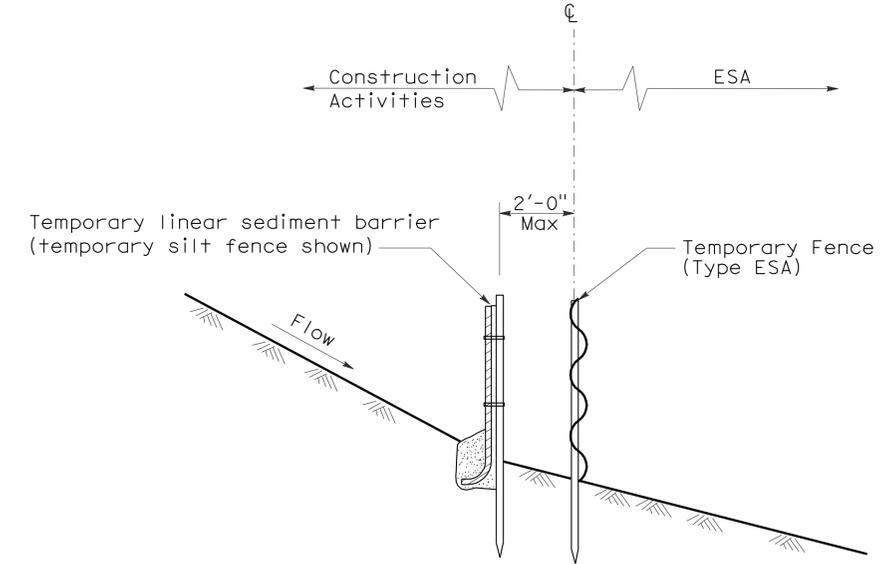
1. Temporary silt fence and temporary straw bale barrier shown for reference purposes only.



SIGN DETAIL

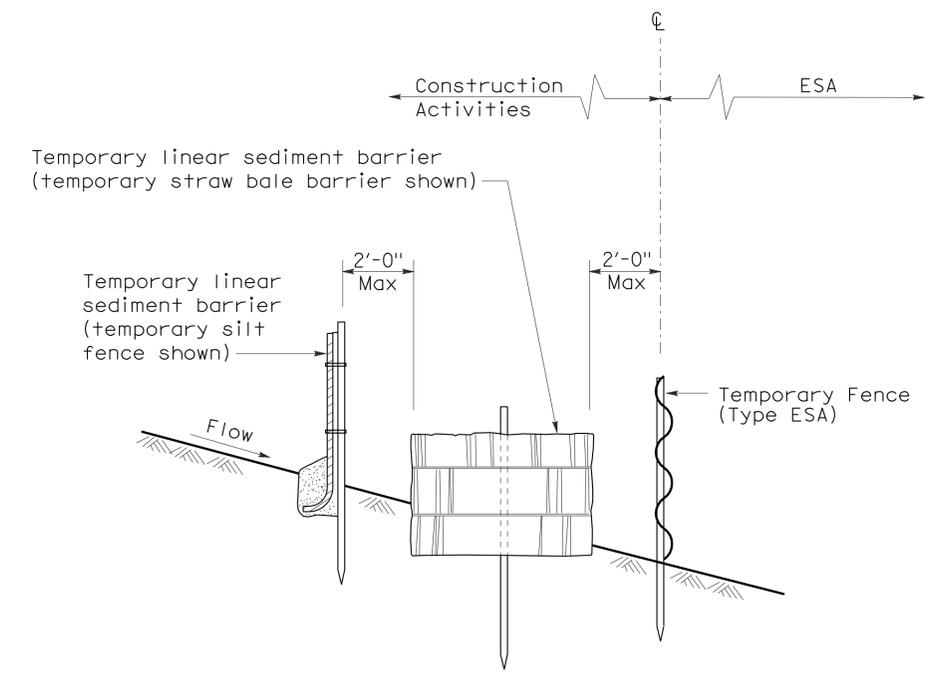


SECTION TEMPORARY FENCE (TYPE ESA)



SECTION PLACEMENT DETAIL FOR TEMPORARY LINEAR SEDIMENT BARRIER USED WITH TEMPORARY FENCE (TYPE ESA)

(See Note 1)



SECTION PLACEMENT DETAIL FOR TEMPORARY SILT FENCE AND TEMPORARY STRAW BALE BARRIER USED WITH TEMPORARY FENCE (TYPE ESA)

(See Note 1)

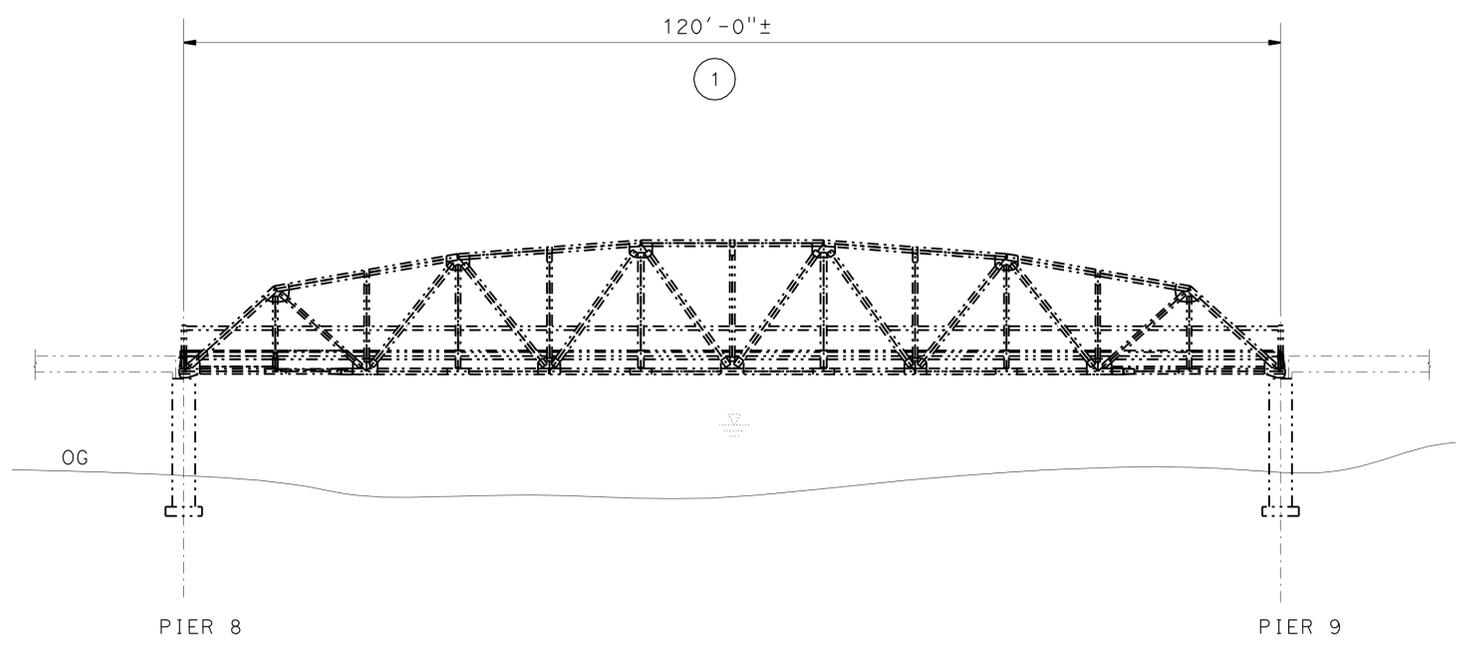
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS [TEMPORARY FENCE (TYPE ESA)]

NO SCALE

NSP T65 DATED APRIL 3, 2009 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	1	22.5	9	9
<i>Heidi Kuntz</i> REGISTERED CIVIL ENGINEER			6-09-11 DATE		
9-19-11 PLANS APPROVAL DATE			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.		



ELEVATION

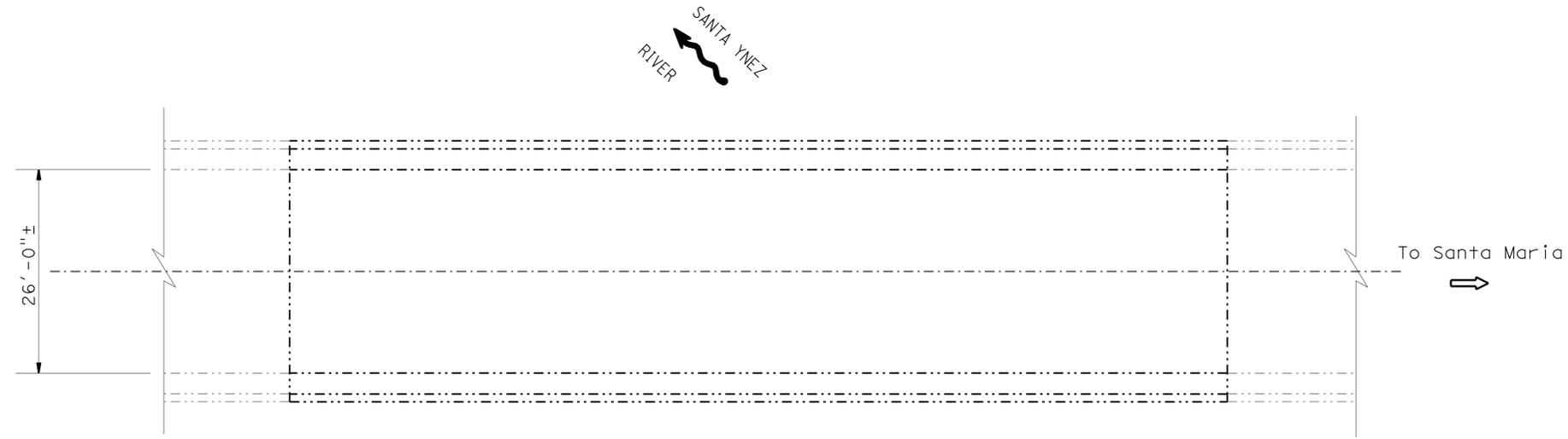
NOTE:

----- INDICATES EXISTING.

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

NOTES: (APPLY TO THIS SHEET ONLY)

- ① LIMITS OF 100% CLEAN AND PAINT STRUCTURAL STEEL (EXISTING BRIDGE)
- ② EXISTING UTILITIES AND SEISMIC RESTRAINER DEVICES ON STRUCTURE NOT SHOWN.



PLAN

STANDARD PLANS DATED MAY 2006

SHEET No.	TITLE
A10A	ACRONYMS AND ABBREVIATIONS (SHEET 1 OF 2)
A10B	ACRONYMS AND ABBREVIATIONS (SHEET 2 OF 2)

INDEX TO PLANS

SHEET No.	TITLE
1	GENERAL PLAN

QUANTITIES

01 - SANTA YNEZ RIVER BRIDGE No. 51-0097R

CLEAN AND PAINT STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP SUM
WORK AREA MONITORING	LUMP SUM

SANTA YNEZ RIVER

1" = 10'

Matthew Lee
 DESIGN ENGINEER
 6-09-11

DESIGN	BY Heidi Kuntz	CHECKED Quang Vo	LOAD FACTOR DESIGN	LIVE LOADING: HS20-44 AND ALTERNATIVE AND PERMIT DESIGN LOAD
DETAILS	BY David Kish	CHECKED Quang Vo	LAYOUT	BY David Kish
QUANTITIES	BY Heidi Kuntz	CHECKED Quang Vo	SPECIFICATIONS	BY X
				PLANS AND SPECS COMPARED X

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF MAINTENANCE
 STRUCTURE MAINTENANCE DESIGN

BRIDGE NO.	51-0097R
POST MILE	22.52

ROUTE 1 BRIDGE
GENERAL PLAN

USERNAME => s128843 DATE PLOTTED => 20-SEP-2011 TIME PLOTTED => 14:54