

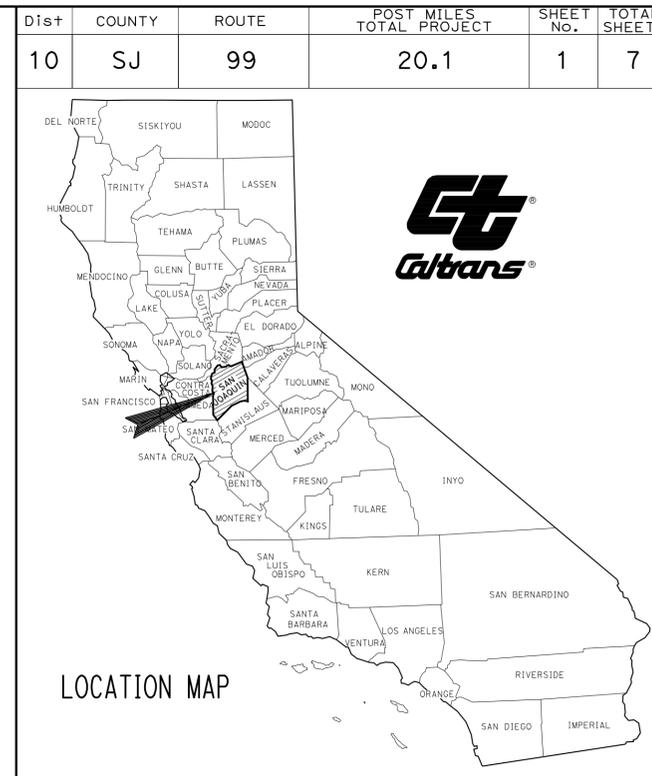
INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	CONSTRUCTION AREA SIGNS AND SUMMARY OF QUANTITIES
3-5	REVISED AND NEW STANDARD PLANS
STRUCTURE PLANS	
6-7	STOCKTON DIVERTING CANAL (PAINT STEEL)

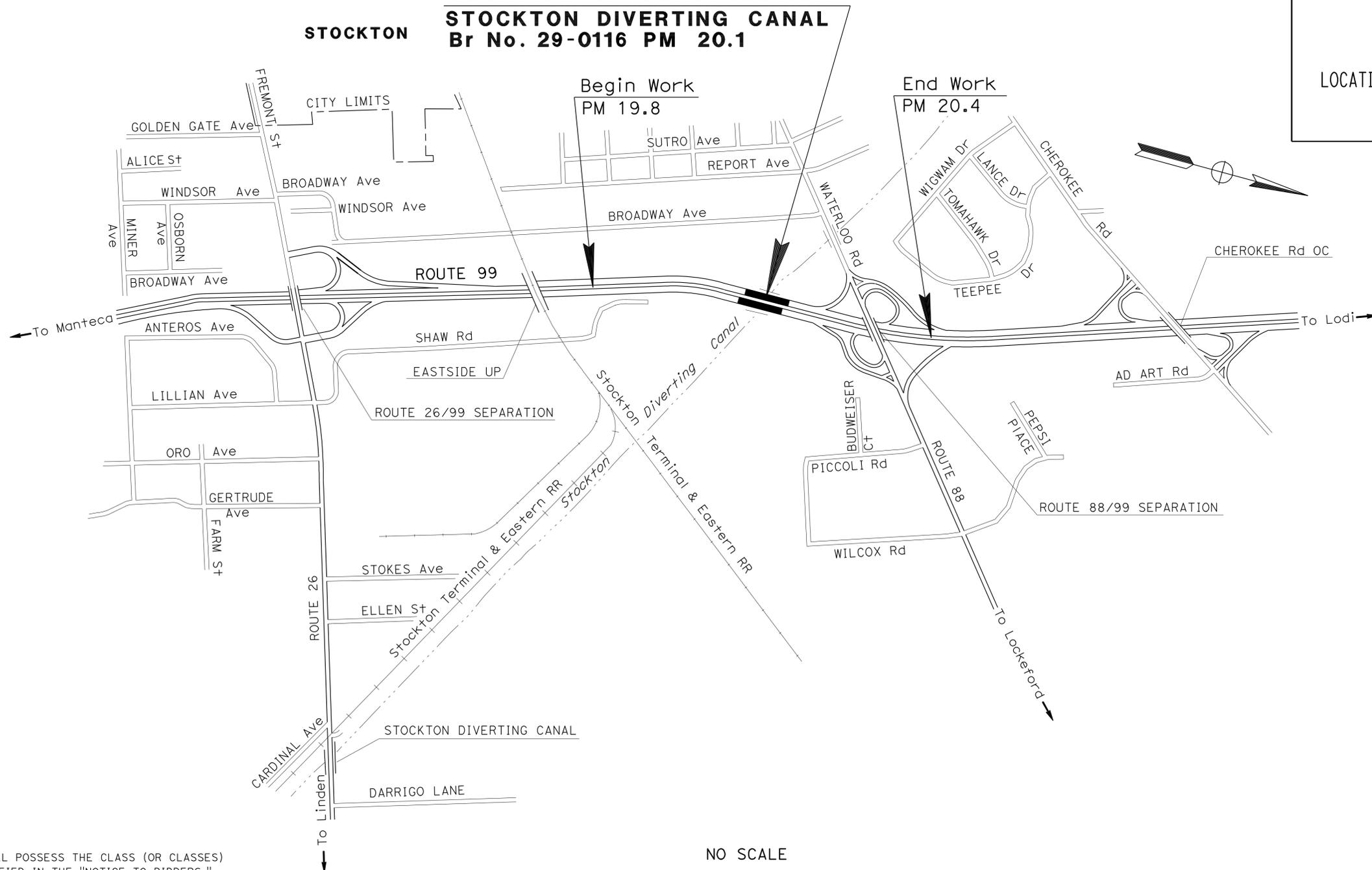
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN SAN JOAQUIN COUNTY
NEAR STOCKTON
AT STOCKTON DIVERTING CANAL

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



LOCATION OF CONSTRUCTION
STOCKTON DIVERTING CANAL
Br No. 29-0116 PM 20.1



NO SCALE

PROJECT MANAGER ALVIN MANGINDIN
DESIGN ENGINEER ALVIN MANGINDIN

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

Rhodel De Claro 12/30/11
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER
 RHODEL De CLARO
 No. 74058
 Exp. 6/30/13
 CIVIL
 STATE OF CALIFORNIA

February 6, 2012
 PLANS APPROVAL DATE

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

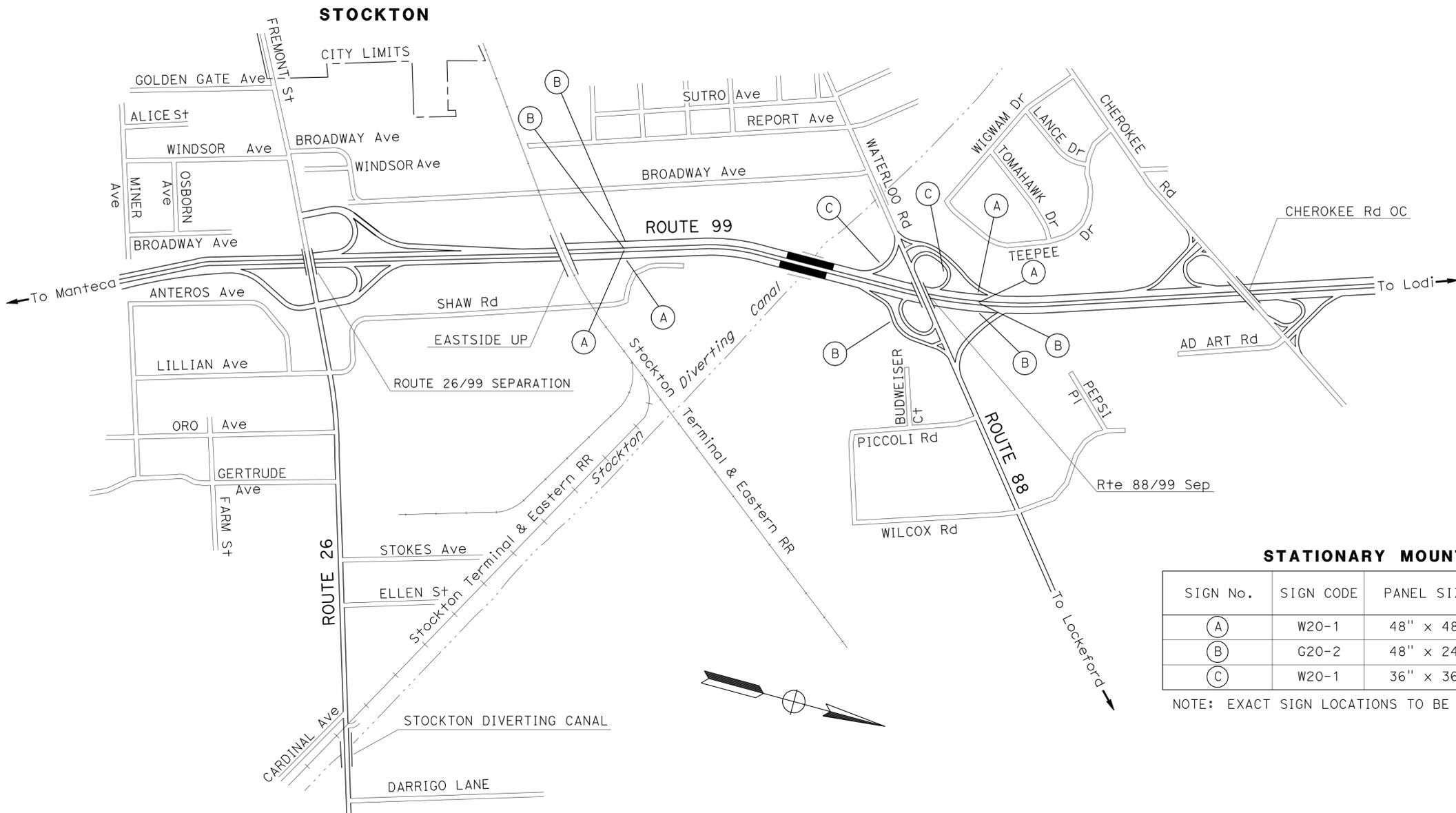
CONTRACT No.	10-OW1504
PROJECT ID	1000020438

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	99	20.1	2	7

Rhodel De Claro 2/8/12
 REGISTERED CIVIL ENGINEER DATE
 2-6-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RHODEL De CLARO
 No. 74058
 Exp. 6/30/13
 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.	SIGN CODE	PANEL SIZE	No. OF POSTS AND SIZE	No. OF SIGNS	SIGN MESSAGE
(A)	W20-1	48" x 48"	1 - 4" x 6"	4	ROAD WORK AHEAD
(B)	G20-2	48" x 24"	1 - 4" x 6"	5	END ROAD WORK
(C)	W20-1	36" x 36"	1 - 4" x 6"	2	ROAD WORK AHEAD

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

TRAFFIC MANAGEMENT SYSTEM ELEMENTS (EXISTING)

COUNTY	ROUTE	PM	Dir	LOCATION	DESCRIPTION
SJ	99	19.87	NB	SOUTH OF WATERLOO ROAD	TRAFFIC MONITORING SYSTEM
		20.11	SB	SOUTH OF ON RAMP FROM EB WATERLOO ROAD/ROUTE 88	TRAFFIC MONITORING SYSTEM
		20.12	SB	SOUTH OF WATERLOO ROAD	CLOSED CIRCUIT TELEVISION
		20.12	SB	SOUTH OF ROUTE 88	CHANGEABLE MESSAGE SIGN
		20.15	NB	SOUTH OF WATERLOO ROAD	TRAFFIC MONITORING SYSTEM
		20.34	ALL	WATERLOO ROAD	SIGNAL LOOPS
		20.35	ALL	WATERLOO ROAD	SIGNAL LOOPS
		20.39	SB	SOUTH OF OFF RAMP TO WATERLOO ROAD/ROUTE 88	TRAFFIC MONITORING SYSTEM
		20.40	NB	NORTH OF WATERLOO ROAD	TRAFFIC MONITORING SYSTEM

NOTE: TRAFFIC MANAGEMENT SYSTEM ELEMENT LOCATIONS ARE APPROXIMATE.

CONSTRUCTION AREA SIGNS AND SUMMARY OF QUANTITIES
NO SCALE

CS-1

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION - MAINTENANCE
 Rhodel De Claro
 RDC
 02/08/12
 REVISED BY
 DATE REVISED
 RHODEL De CLARO
 JOSE A ALICEA II
 CALCULATED/DESIGNED BY
 CHECKED BY
 FUNCTIONAL SUPERVISOR
 ALVIN MANGINDIN
 BORDER LAST REVISED 7/2/2010

USERNAME => s109858
DGN FILE => a0w1501a001.dgn

RELATIVE BORDER SCALE IS IN INCHES

UNIT 2593

PROJECT NUMBER & PHASE

10000204381

LAST REVISION DATE PLOTTED => 09-FEB-2012
 00-00-00 TIME PLOTTED => 09:47

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	99	20.1	3	7

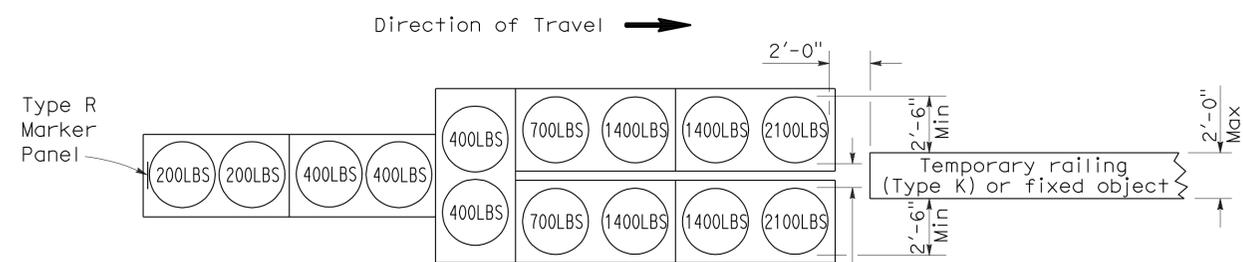
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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

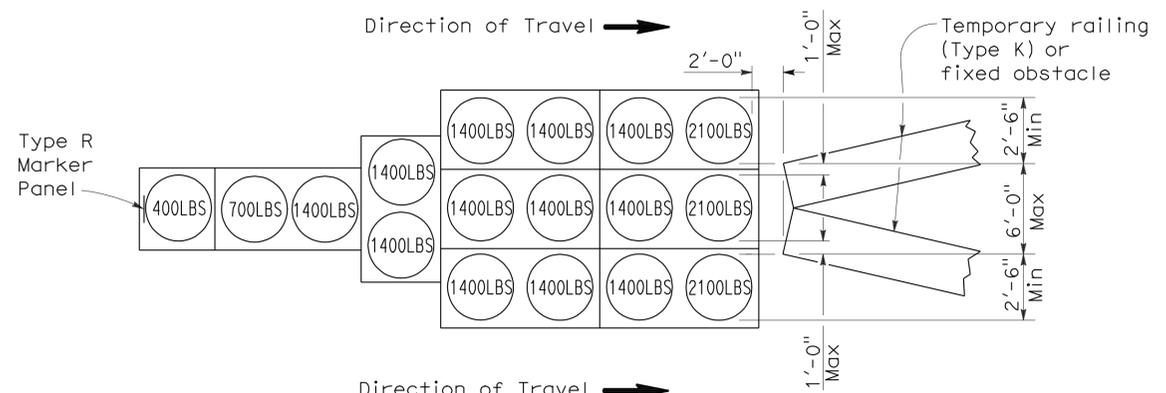
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 2-6-12



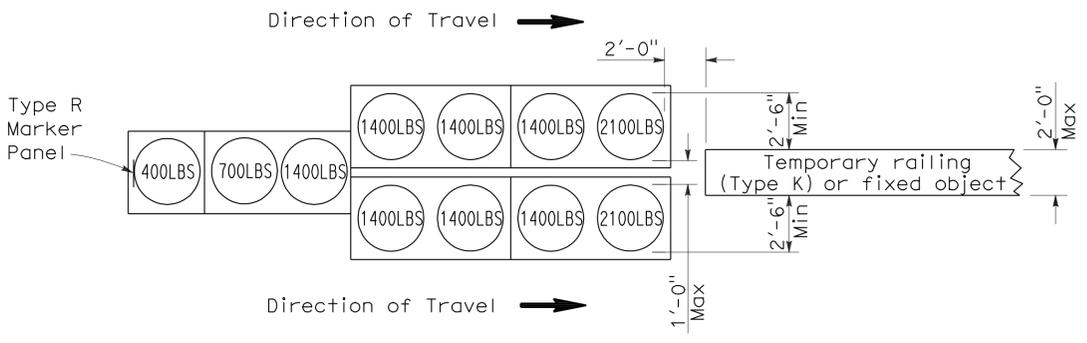
ARRAY 'TU14'

Approach speed 45 mph or more



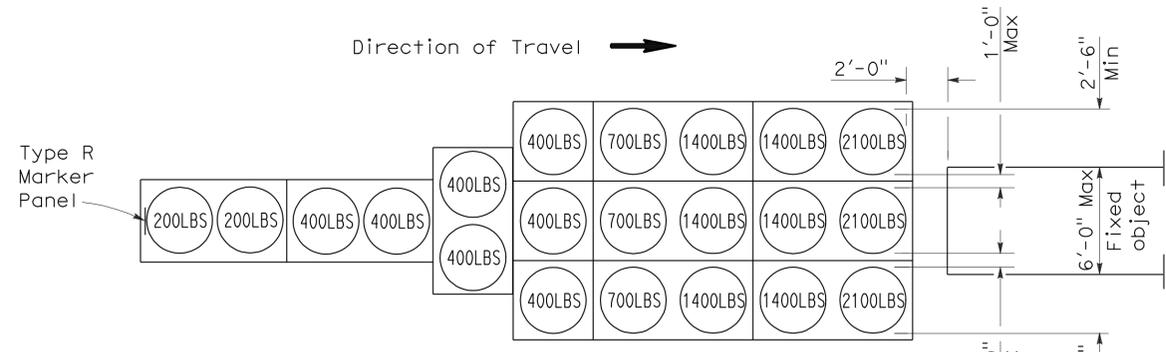
ARRAY 'TU17'

Approach speed less than 45 mph



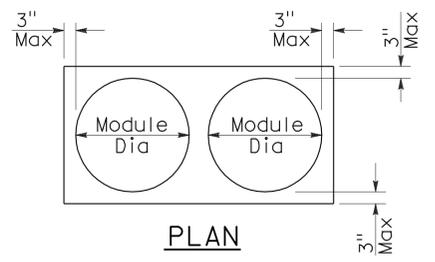
ARRAY 'TU11'

Approach speed less than 45 mph

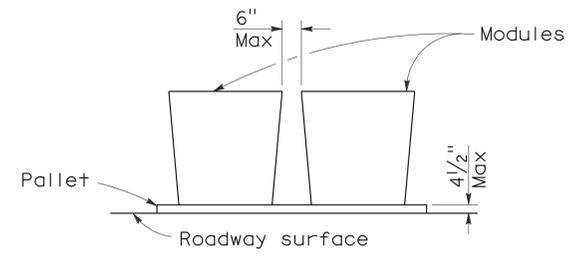


ARRAY 'TU21'

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

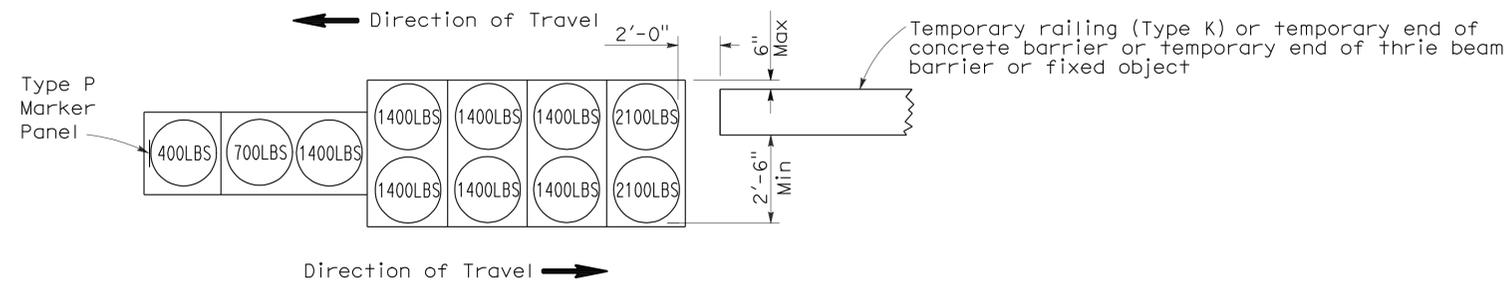
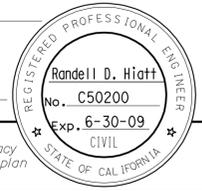
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	SJ	99	20.1	4	7

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

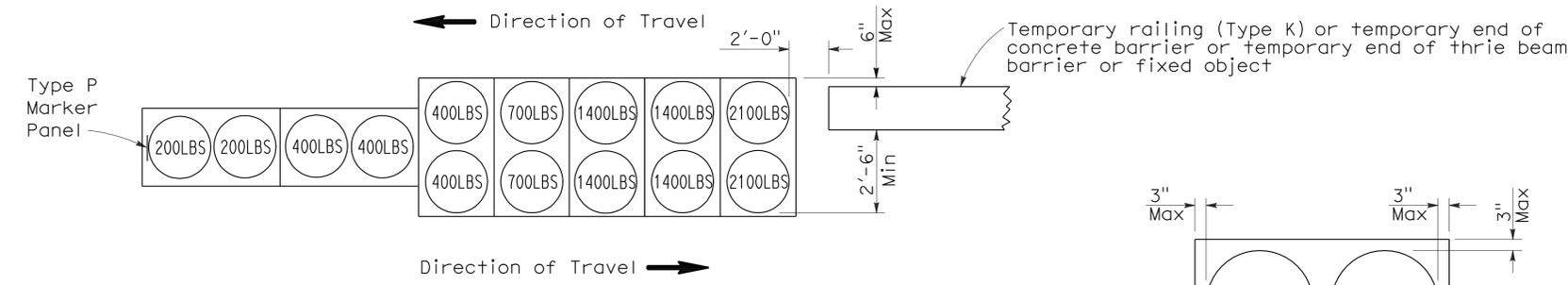
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 2-6-12



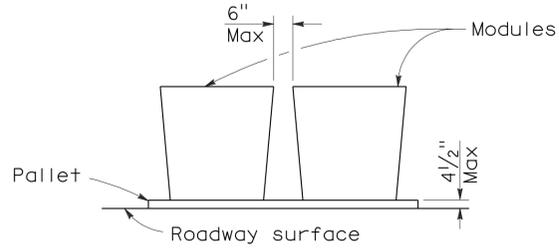
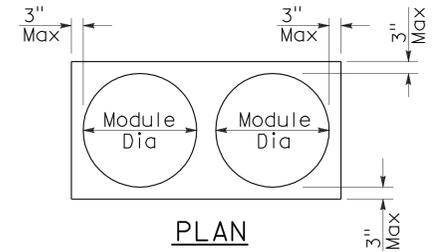
ARRAY 'TB11'

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

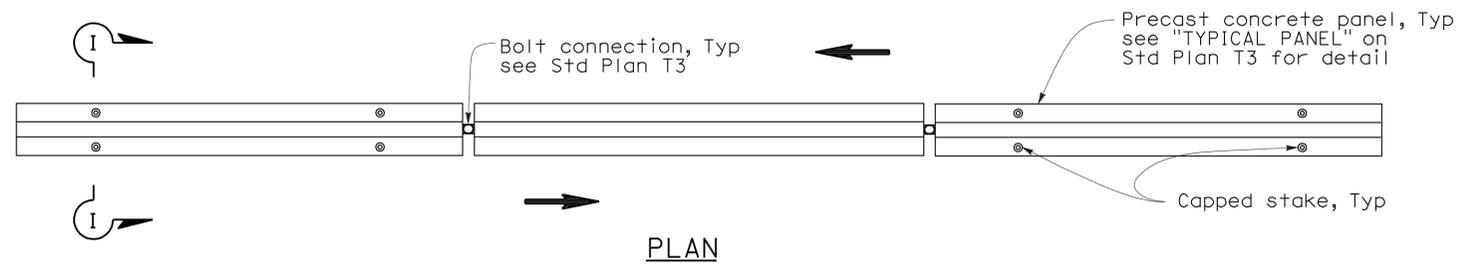
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	99	20.1	5	7

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

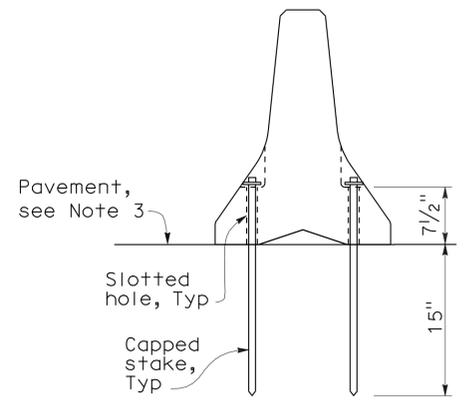
May 20, 2011
PLANS APPROVAL DATE

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To accompany plans dated 2-6-12

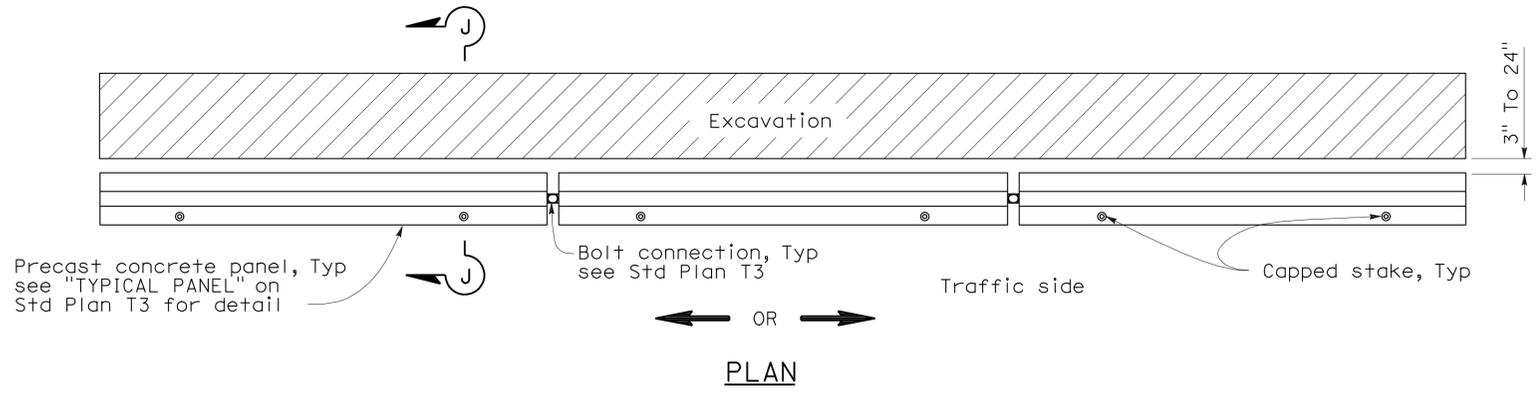


RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC
See Note 1

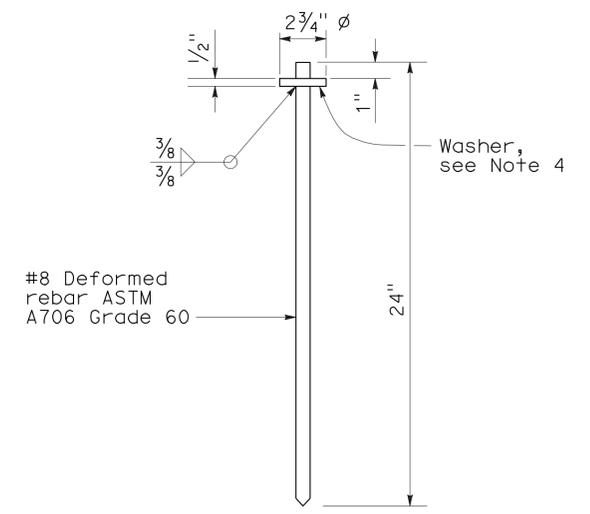
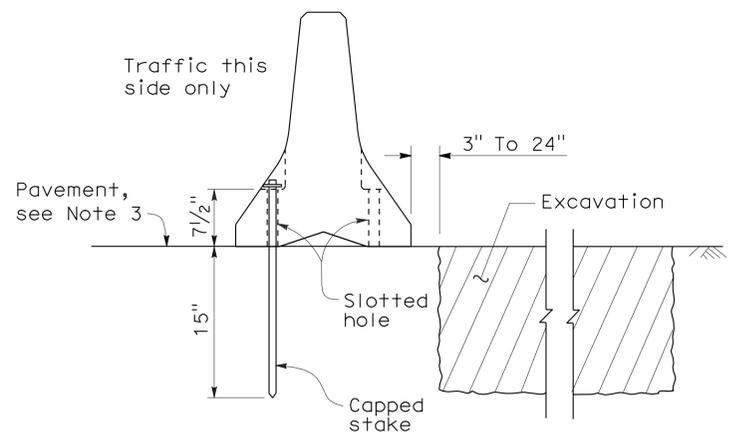


NOTES:

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.

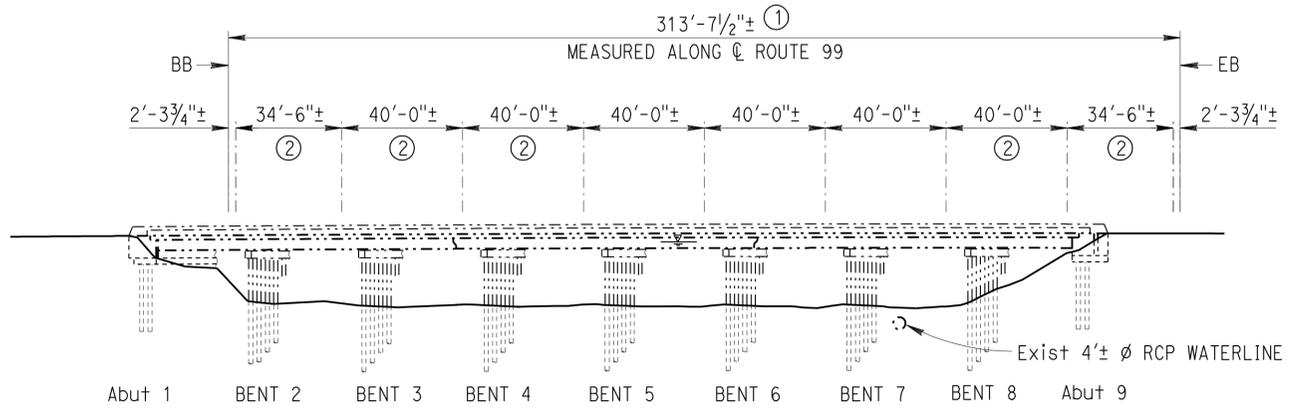
2006 NEW STANDARD PLAN NSP T3A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	99	20.1	6	7

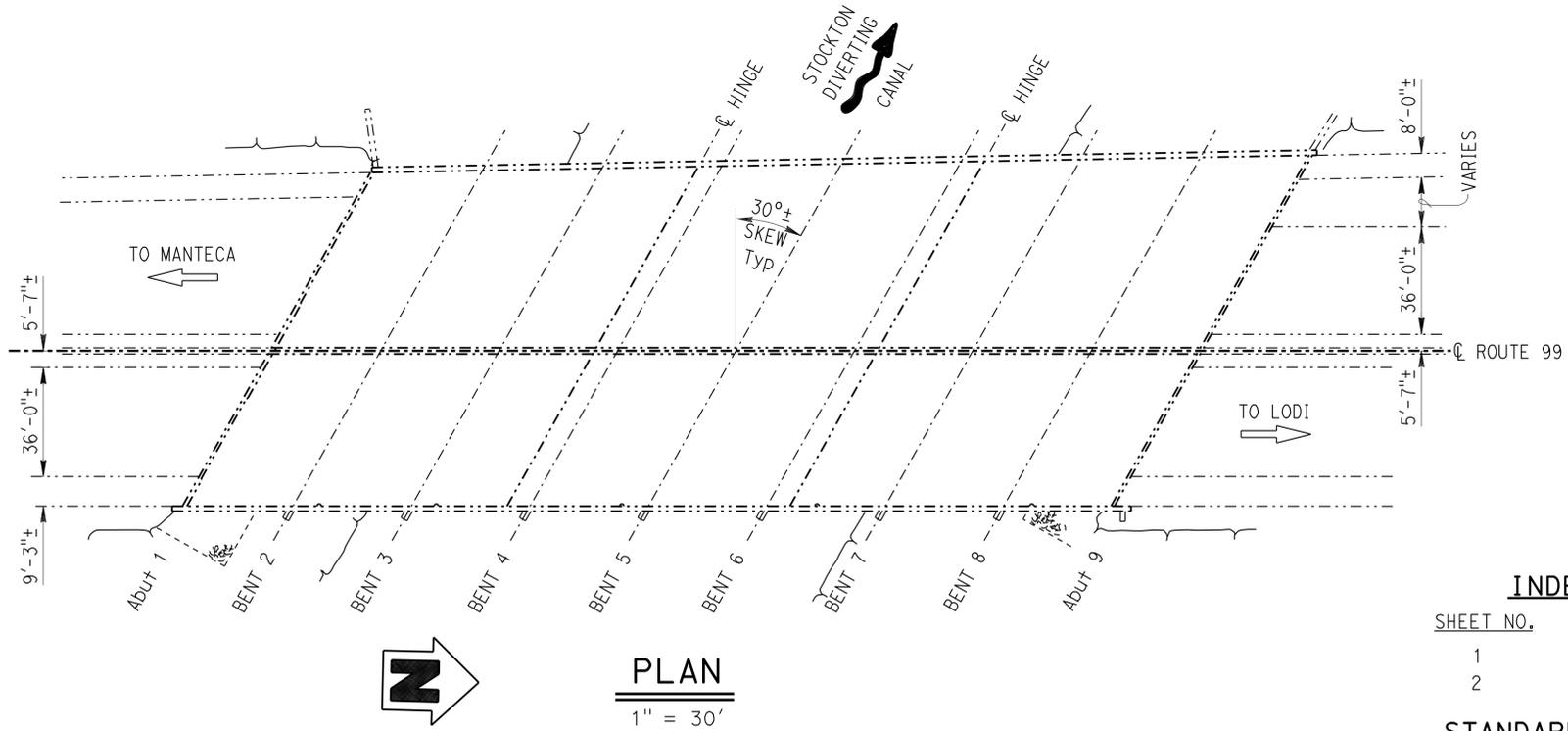
Thomas J. Bolla 10-12-11
 REGISTERED CIVIL ENGINEER DATE
 2-6-12
 PLANS APPROVAL DATE
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QUANTITIES

CLEAN STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP SUM
PAINT STRUCTURAL STEEL (EXISTING BRIDGE)	LUMP SUM
SPOT BLAST CLEAN AND PAINT UNDERCOAT	10,800 SQFT
WORK AREA MONITORING	LUMP SUM

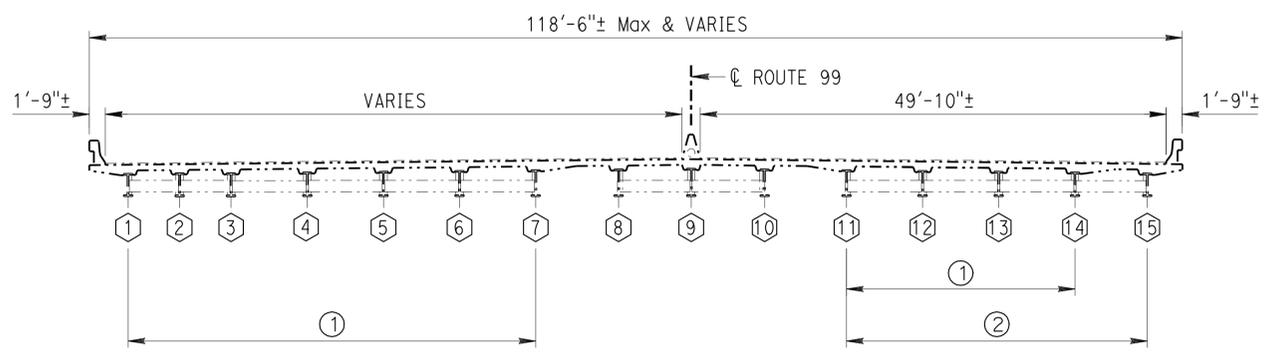


ELEVATION
1" = 30'

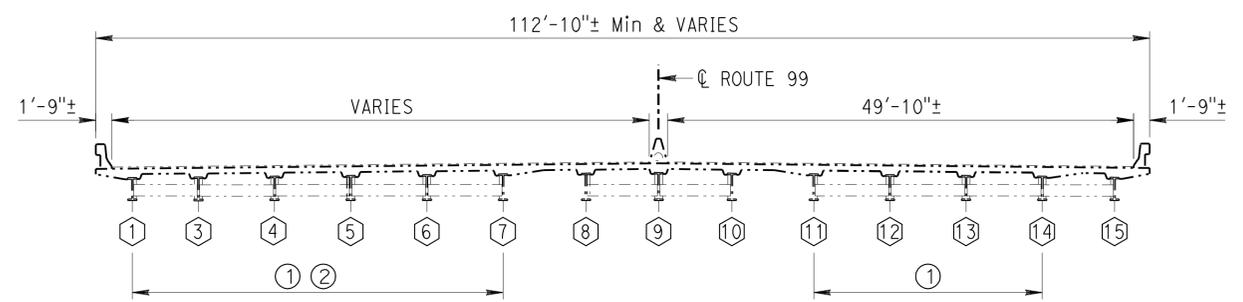


PLAN
1" = 30'

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



AT SPANS 4 - 8
TOTAL 15 GIRDERS



AT SPANS 1 - 3
TOTAL 14 GIRDERS
TYPICAL SECTION
1" = 10'

INDEX TO PLANS

SHEET NO.	TITLE
1	GENERAL PLAN
2	EXISTING GIRDER LAYOUT

STANDARD PLANS DATED MAY 2006

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

NOTES:

- Indicates existing.
- 1 - 15 - ① Indicates existing girder designation. For layout see EXISTING GIRDER LAYOUT sheet.
- ① Indicates limits of clean and paint existing steel girders and diaphragms. Spot blast clean and paint undercoat as determined by the Engineer.
- ② Indicates existing steel girders and diaphragms to be spot blast cleaned and painted in Spans 1, 2, 3, 7 & 8.

	DESIGN	BY T. BOLLA	CHECKED H. DANG	LAYOUT	BY G.F. BIDWELL	CHECKED H. DANG	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	BRIDGE NO.	29-0116	STOCKTON DIVERTING CANAL (PAINT STEEL) GENERAL PLAN
	DETAILS	BY G.F. BIDWELL	CHECKED H. DANG	SPECIFICATIONS	BY JIM CORRADO	CHECKED JIM CORRADO			POST MILE	20.12	
	QUANTITIES	BY T. BOLLA	CHECKED H. DANG								

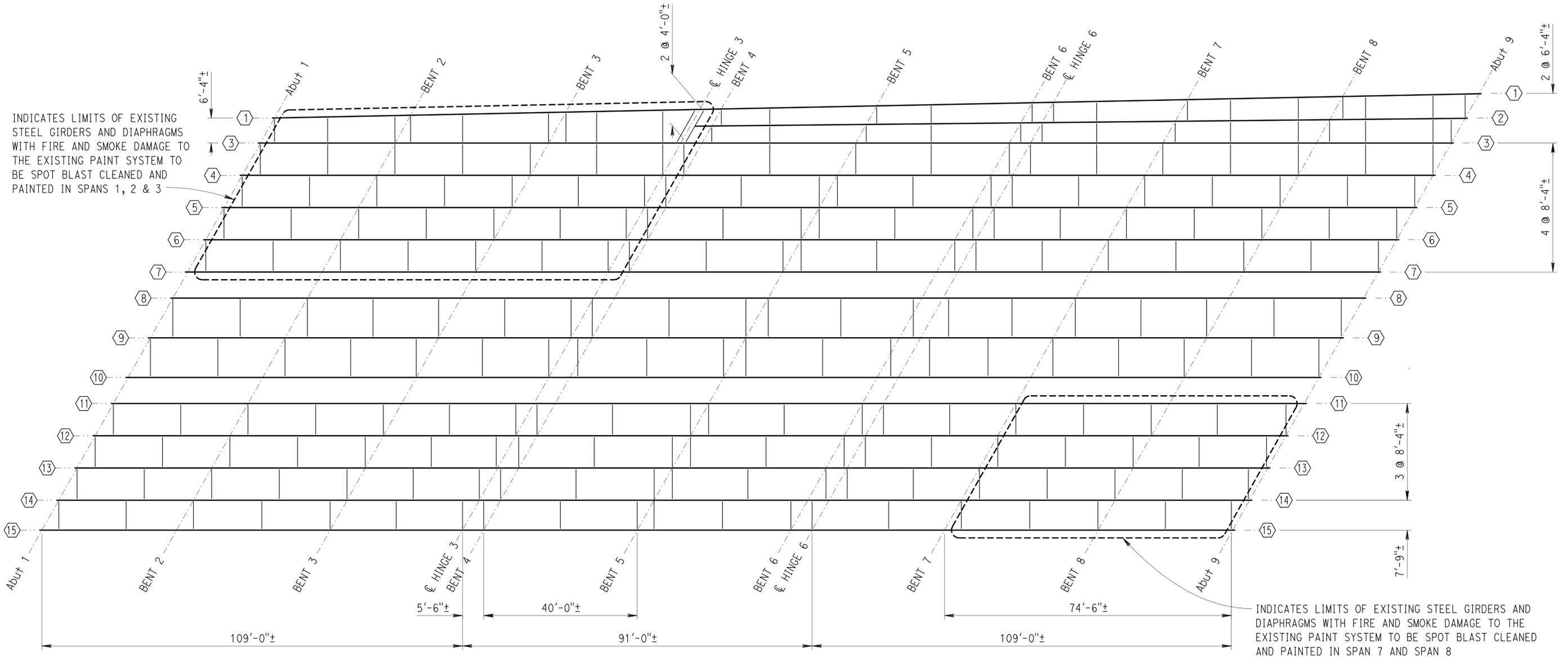
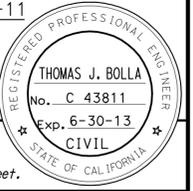
GIRDER NOTES:

- 1 - 15  Indicates existing girder designation.
- Girder 1 from Abutment 1 to Hinge 3 consists of $\text{PL } \frac{3}{8}'' \times 28''$ web and $\text{PL } \frac{5}{8}'' \times 12''$ top and bottom flanges.
- Girders 1 and 2 from Hinge 3 to Abutment 9 consists of $\text{PL } \frac{3}{8}'' \times 28''$ web and $\text{PL } \frac{1}{2}'' \times 12''$ top and bottom flanges.
- Girder 3 from Abutment 1 to Hinge 3 and from Hinge 6 to Abutment 9 consists of $\text{PL } \frac{1}{2}'' \times 28''$ web and $\text{PL } \frac{7}{8}'' \times 12''$ top and bottom flanges.
- Girder 3 from Hinge 3 to Hinge 6 consists of $\text{PL } \frac{1}{2}'' \times 28''$ web and $\text{PL } 1'' \times 12''$ top and bottom flanges.
- Girders 4, 5, 6, 7, 11, 12, 13 and 14 are WF30x108 from Abutment 1 to Hinge 3 and from Hinge 6 to Abutment 9.
- Girders 4, 5, 6, 7, 11, 12, 13 and 14 are WF30x116 from Hinge 3 to Hinge 6.
- Girder 15 consists of $\text{PL } \frac{1}{2}'' \times 28''$ web and $\text{PL } 1\frac{1}{4}'' \times 12''$ top and bottom flanges.

DIAPHRAGM NOTES:

- MC18X42.7 between Girders 1 and 3 and between Girders 3 and 4 at Spans 1, 2 and 3 and at all spans between Girders 8 and 9, between Girders 9 and 10 and between Girders 14 and 15.
- C15x33.9 at all other locations.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	SJ	99	20.1	7	7
Thomas J. Bolla REGISTERED CIVIL ENGINEER			10-12-11	DATE	
2-6-12 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.					



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



EXISTING GIRDER LAYOUT
NO SCALE

STRUCTURES MAINTENANCE GENERAL PLAN SHEET (ENGLISH) (REV. 09-01-10)	DESIGN BY T. BOLLA CHECKED H. DANG	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO. 29-0116 POST MILE 20.12	STOCKTON DIVERTING CANAL (PAINT STEEL)	
	DETAILS BY G.F. BIDWELL CHECKED H. DANG		DIVISION OF MAINTENANCE STRUCTURE MAINTENANCE DESIGN	EXISTING GIRDER LAYOUT	
	QUANTITIES BY T. BOLLA CHECKED H. DANG		PROJECT NUMBER & PHASE: 10000204381 CONTRACT NO.: 10-0W1501	SHEET 2 OF 2	

USERNAME => s109858 DATE PLOTTED => 09-FEB-2012 TIME PLOTTED => 09:49