Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	1	299

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

ACSTPE-Q101(175)E

PROJECT PLANS FOR CONSTRUCTION ON

STATE HIGHWAY

IN SANTA BARBARA AND SAN LUIS OBISPO COUNTIES IN AND NEAR SANTA MARIA FROM 0.5 MILE NORTH OF NORTH SANTA MARIA CONNECTOR TO ROUTE 101/166 SEPARATION

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2-3	TYPICAL CROSS SECTIONS
4-8	LAYOUT
9-10	PROFILE AND SUPERELEVATION DIAGRAMS
11-19	CONSTRUCTION DETAILS
20-30	DRAINAGE PLAN, PROFILES, DETAILS AND QUANTITIES
31	UTILITY PLAN, DETAILS AND QUANTITIES
32	CONSTRUCTION AREA SIGNS
33-60	STAGE CONSTRUCTION, DETAILS AND QUANTITIES
61-101	TRAFFIC HANDLING PLAN, DETAILS AND QUANTITIES
102-104	DETOUR PLAN
105-114	PAVEMENT DELINEATION PLAN, DETAILS AND QUANTITIES
115-119	SIGN PLAN, DETAILS AND QUANTITIES
120-121	SUMMARY OF QUANTITIES
122-128	HIGHWAY PLANTING
129-133	MOTORIST INFORMATION PLANS AND QUANTITIES
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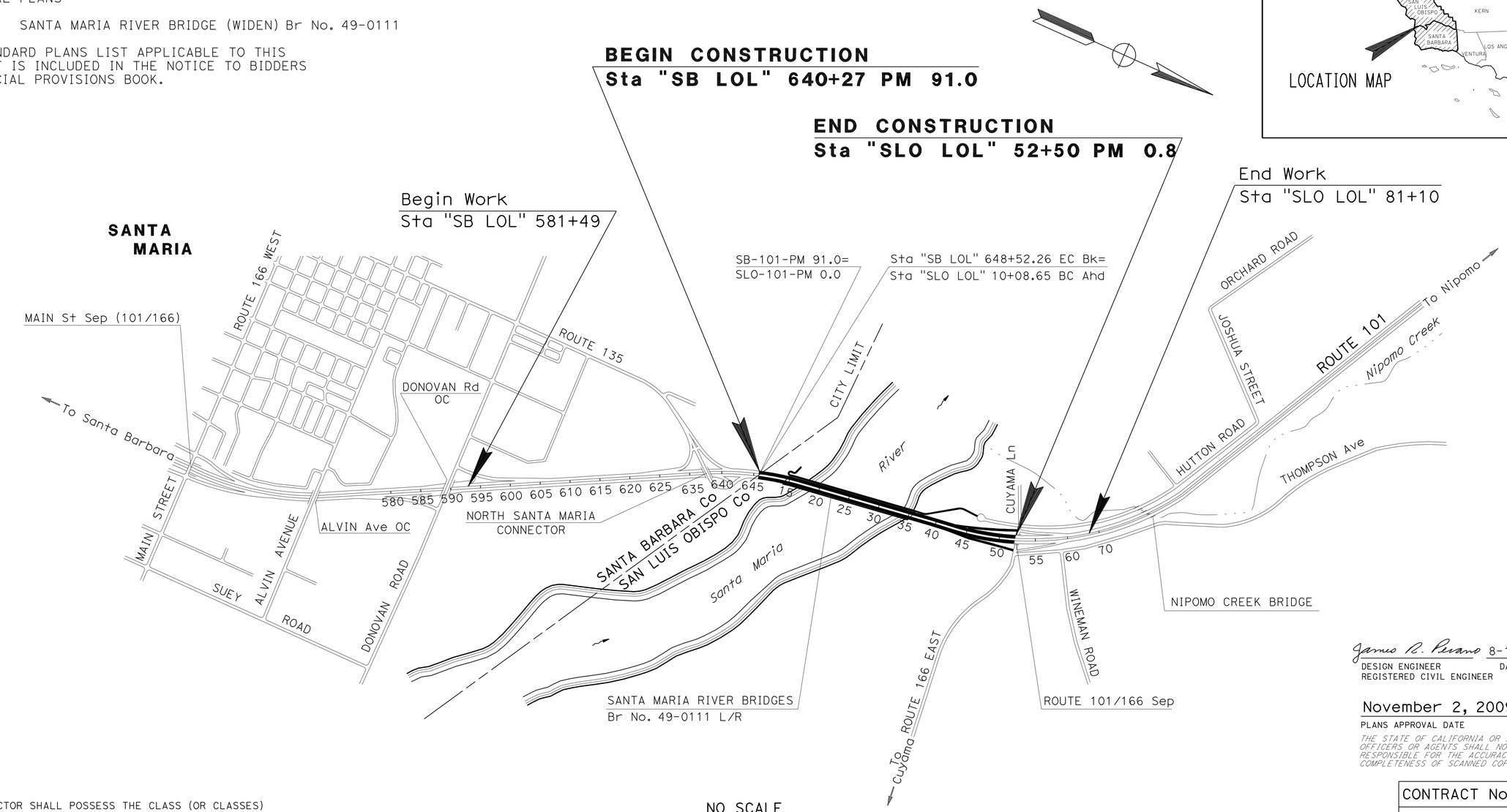
135-170	REVISED AND NEW STANDARD PLANS
STRUCTURE PLANS	
171-299	SANTA MARIA RIVER BRIDGE (WIDEN) Br No. 49-0111

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

LOCATION MAP



NO SCALE

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

James R. Perano 8-12-09
DESIGN ENGINEER DATE
REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER James R. Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

November 2, 2009
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.

PROJECT MANAGER L. LOWERISON

DESIGN ENGINEER J. R. PERANO

CONTRACT No.	05-445904
PROJECT ID	0500000535

LAST REVISION 08-12-09

DATE PLOTTED => 15-FEB-2011
TIME PLOTTED => 13:20

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	2	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 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:

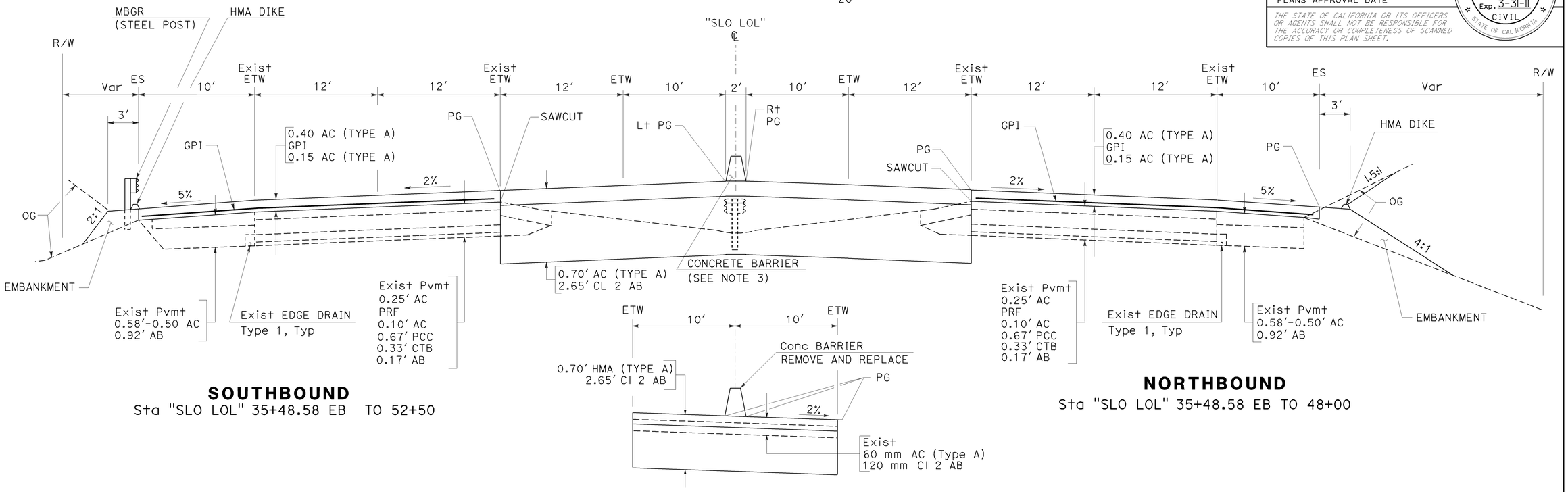
1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. FOR LOCATION AND TYPE OF CONCRETE BARRIER, HMA DIKE, FENCE AND MBGR, SEE LAYOUT SHEETS.

DESIGN DESIGNATION (ROUTE 101)

2010 ADT = 73,000 D = 51%
2030 ADT = 100,700 T = 7.4%
DHV = 9300 V = 65 MPH
TI_{20} = 13

LEGEND

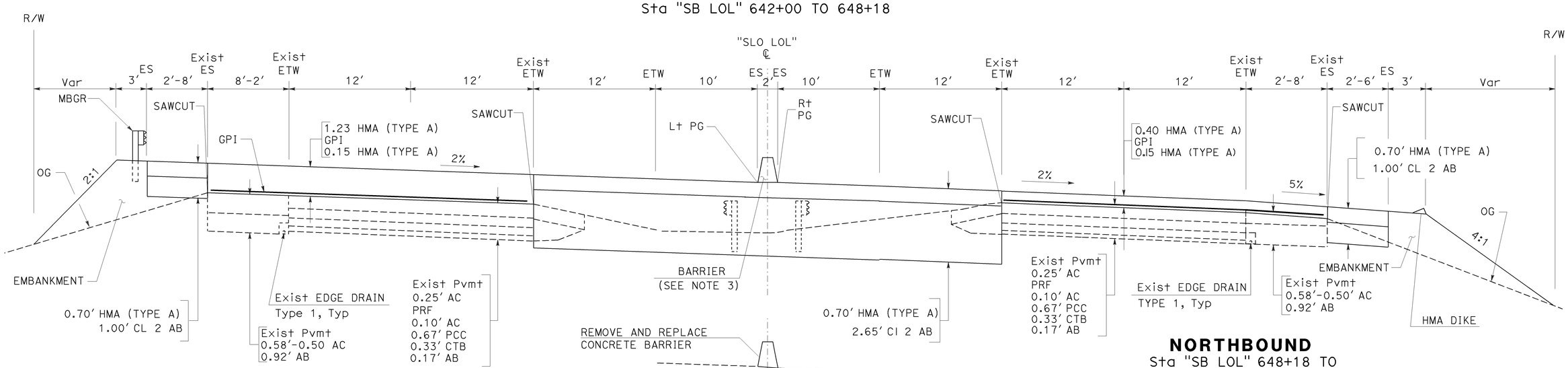
GPI = GEOSYNTHETIC PAVEMENT INTERLAYER



SOUTHBOUND
Sta "SLO LOL" 35+48.58 EB TO 52+50

NORTHBOUND
Sta "SLO LOL" 35+48.58 EB TO 48+00

Sta "SB LOL" 642+00 TO 648+18



SOUTHBOUND
Sta "SB LOL" 648+18 TO
Sta "SLO LOL" 14+58.23 BB

Sta "SB LOL" 640+27 TO 648+18

NORTHBOUND
Sta "SB LOL" 648+18 TO
Sta "SLO LOL" 14+58.23 BB

ROUTE 101

TYPICAL CROSS SECTIONS

NO SCALE **X-1**

REVISED BY | DATE REVISED
MILTON TOWNE | ANDREA FOUCHE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR J.R.PERANO

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 08-12-09 | DATE PLOTTED => 15-DEC-2009 TIME PLOTTED => 08:52

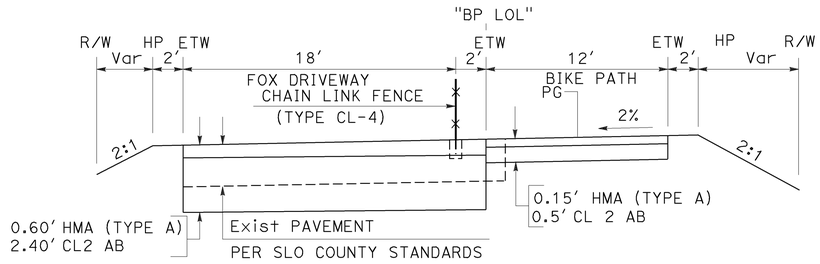
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	3	299

REGISTERED CIVIL ENGINEER — DATE 8-12-09

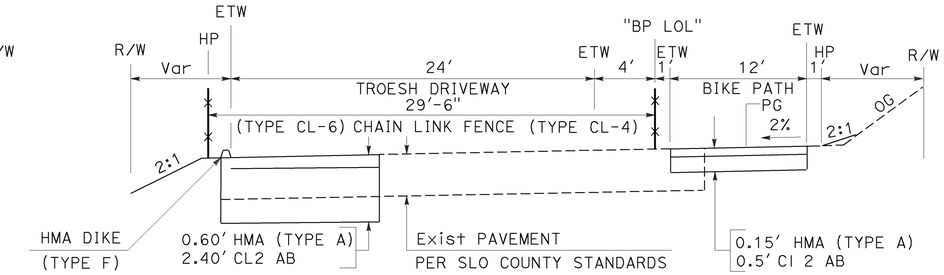
11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — James R.Perano No. 38617 Exp. 3-31-11 CIVIL — STATE OF CALIFORNIA

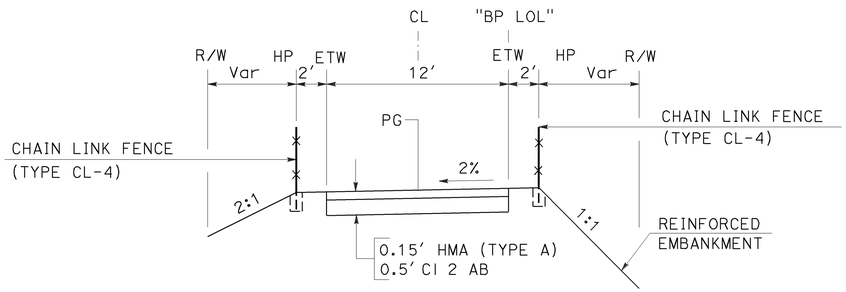
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



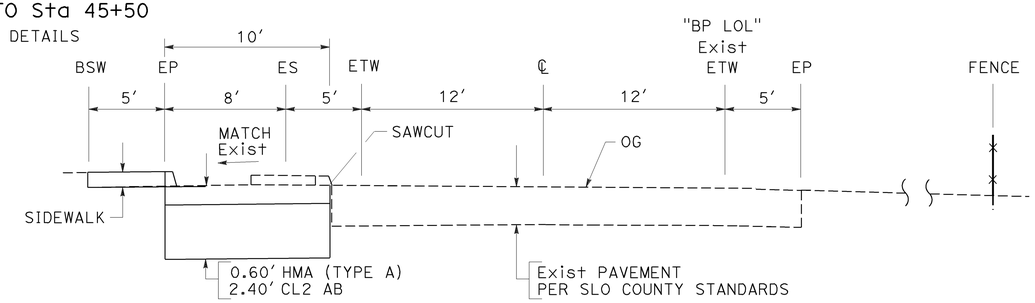
BIKE PATH
Sta "BP LOL"42+05 TO Sta 43+00
SEE SHEET C-3 FOR DETAILS



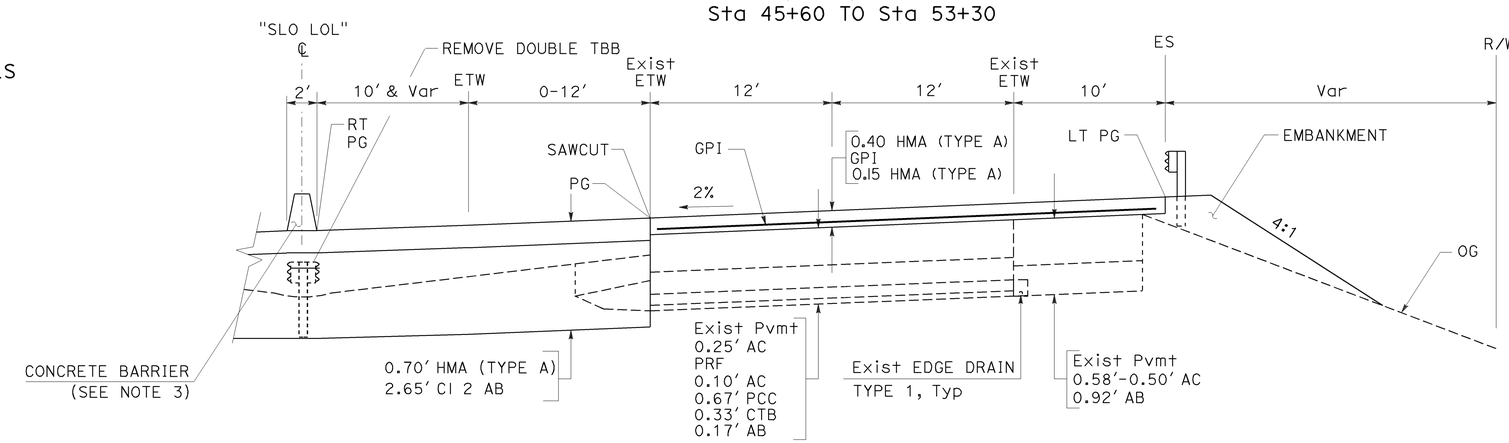
BIKE PATH
Sta "BP LOL"43+00 TO Sta 45+50
SEE SHEET C-6 FOR DETAILS



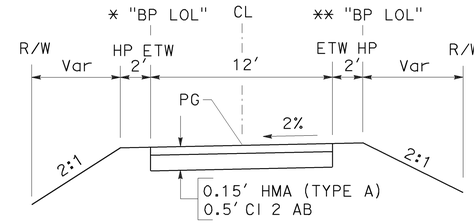
BIKE PATH
Sta "BP LOL"13+70 TO Sta 14+25
FOR REINFORCED EMBANKMENT SEE CONSTRUCTION DETAILS
CHAIN LINK FENCE (TYPE CL-4)
SEE SHEET C-3 FOR DETAILS



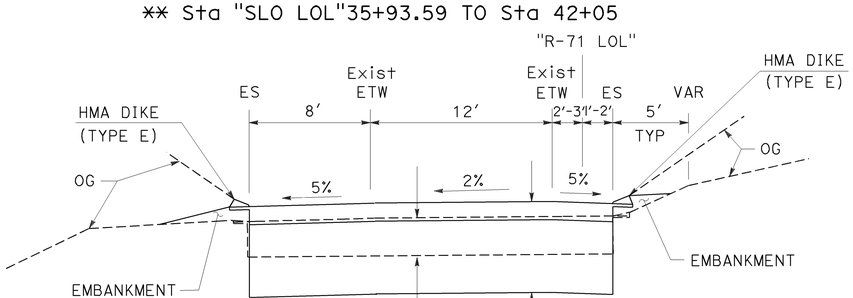
HUTTON Rd
Sta 45+60 TO Sta 53+30



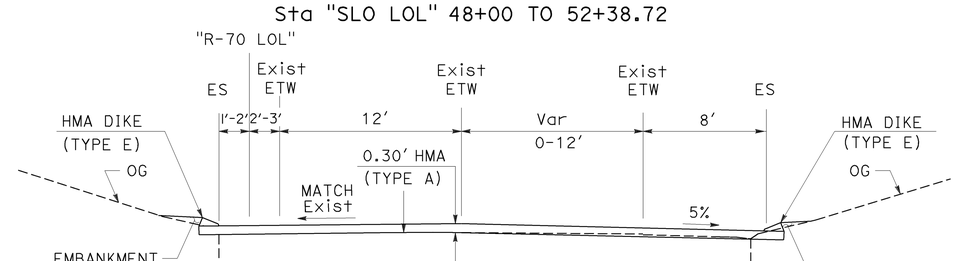
NORTHBOUND
Sta "SLO LOL" 48+00 TO 52+38.72



BIKE PATH
* Sta "SLO LOL"12+77.78 TO Sta 13+70
* Sta "SLO LOL"14+25 TO Sta 15+00 BB
** Sta "SLO LOL"35+93.59 TO Sta 42+05



RAMP "R-71"
Sta "R-70"39+99.78 TO Sta 52+60



RAMP "R-70"
Sta 41+68.43 TO Sta 53+12.47

TYPICAL CROSS SECTIONS
NO SCALE

X-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN
FUNCTIONAL SUPERVISOR J.R.PERANO
CALCULATED-DESIGNED BY ANDREA FOUCHE
CHECKED BY MILTON TOWNE
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 15-DEC-2009
08-12-09 TIME PLOTTED => 08:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	4	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
James R.Perano
No. 38617
Exp. 3-31-11
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 AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR MEDIAN CONCRETE BARRIER (TYPE 60A), TYPE 732 Mod AND CONCRETE BARRIER (TYPE 742 Mod) SEE STRUCTURE PLANS.

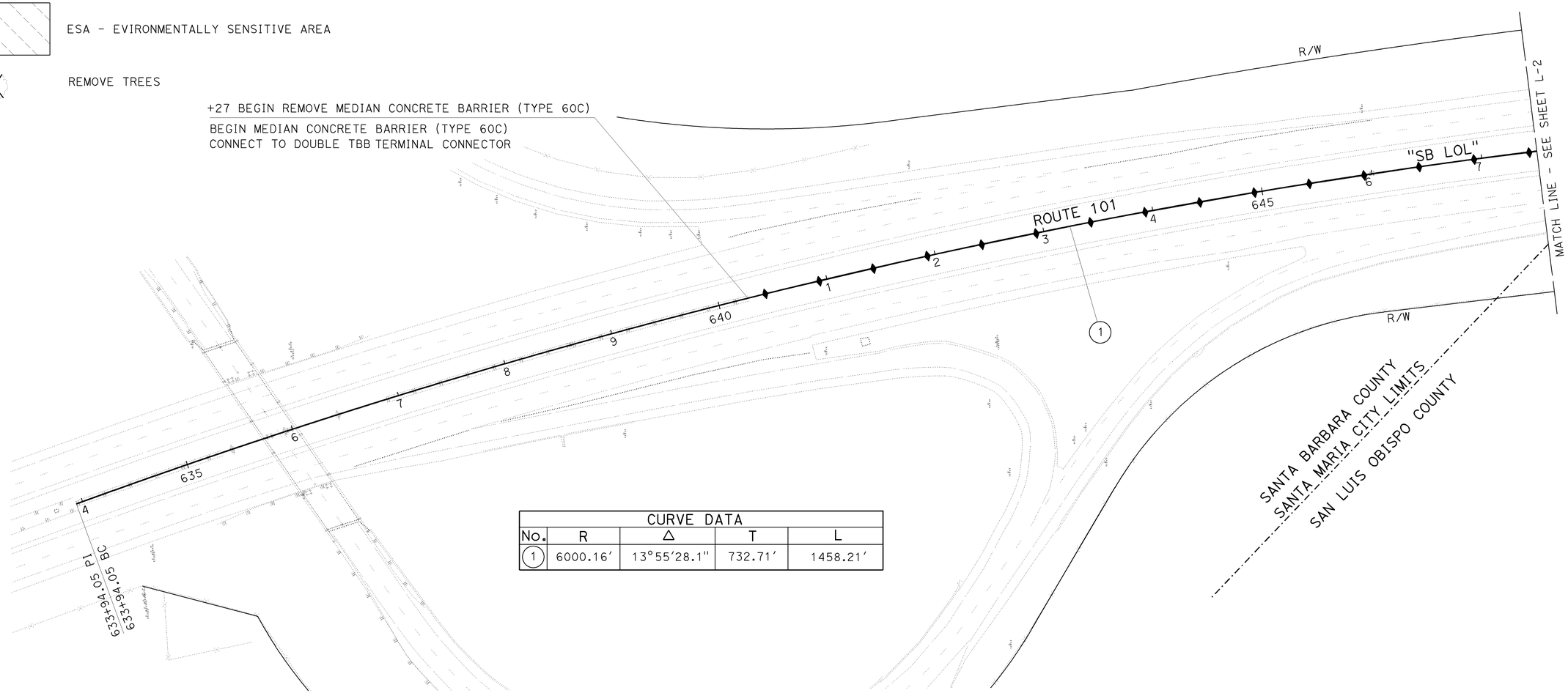
LEGEND:

TCE — TEMPORARY CONSTRUCTION EASEMENT

PLACE HMA Misc

ESA - EVIRONMENTALLY SENSITIVE AREA

REMOVE TREES



CURVE DATA				
No.	R	Δ	T	L
1	6000.16′	13°55′28.1″	732.71′	1458.21′

LAYOUT L-1

SCALE: 1"=50′

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: M.TOWNE
CHECKED BY: C.GUBLER
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	5	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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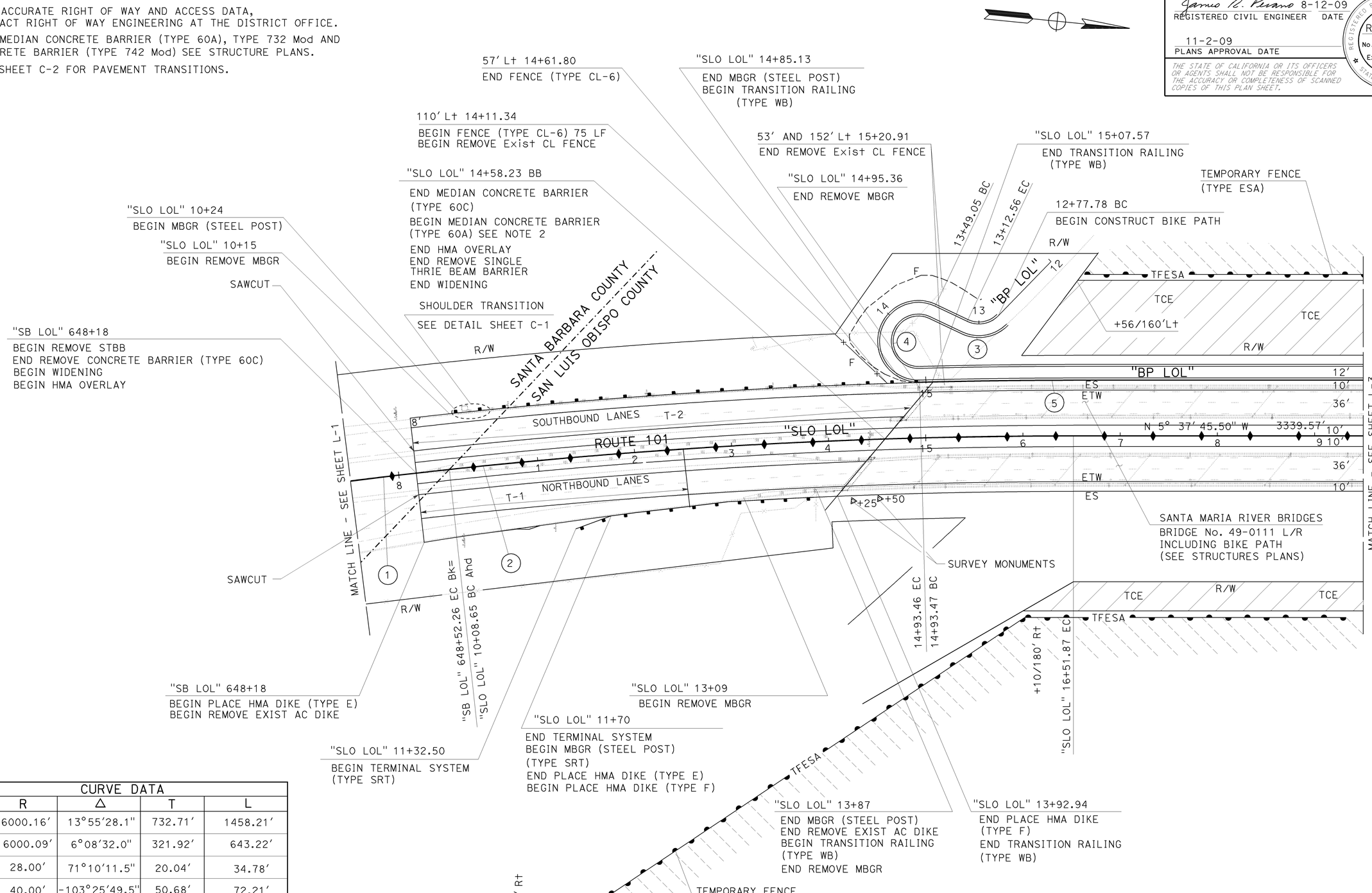
NOTES:

1. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR MEDIAN CONCRETE BARRIER (TYPE 60A), TYPE 732 Mod AND CONCRETE BARRIER (TYPE 742 Mod) SEE STRUCTURE PLANS.
3. SEE SHEET C-2 FOR PAVEMENT TRANSITIONS.



CURVE DATA				
No.	R	Δ	T	L
1	6000.16'	13°55'28.1"	732.71'	1458.21'
2	6000.09'	6°08'32.0"	321.92'	643.22'
3	28.00'	71°10'11.5"	20.04'	34.78'
4	40.00'	-103°25'49.5"	50.68'	72.21'
5	6059.59'	1°28'48.2"	78.27'	156.53'

LAYOUT L-2

SCALE: 1"=50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: M.TOWNE
CHECKED BY: C.GUBLER
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	6	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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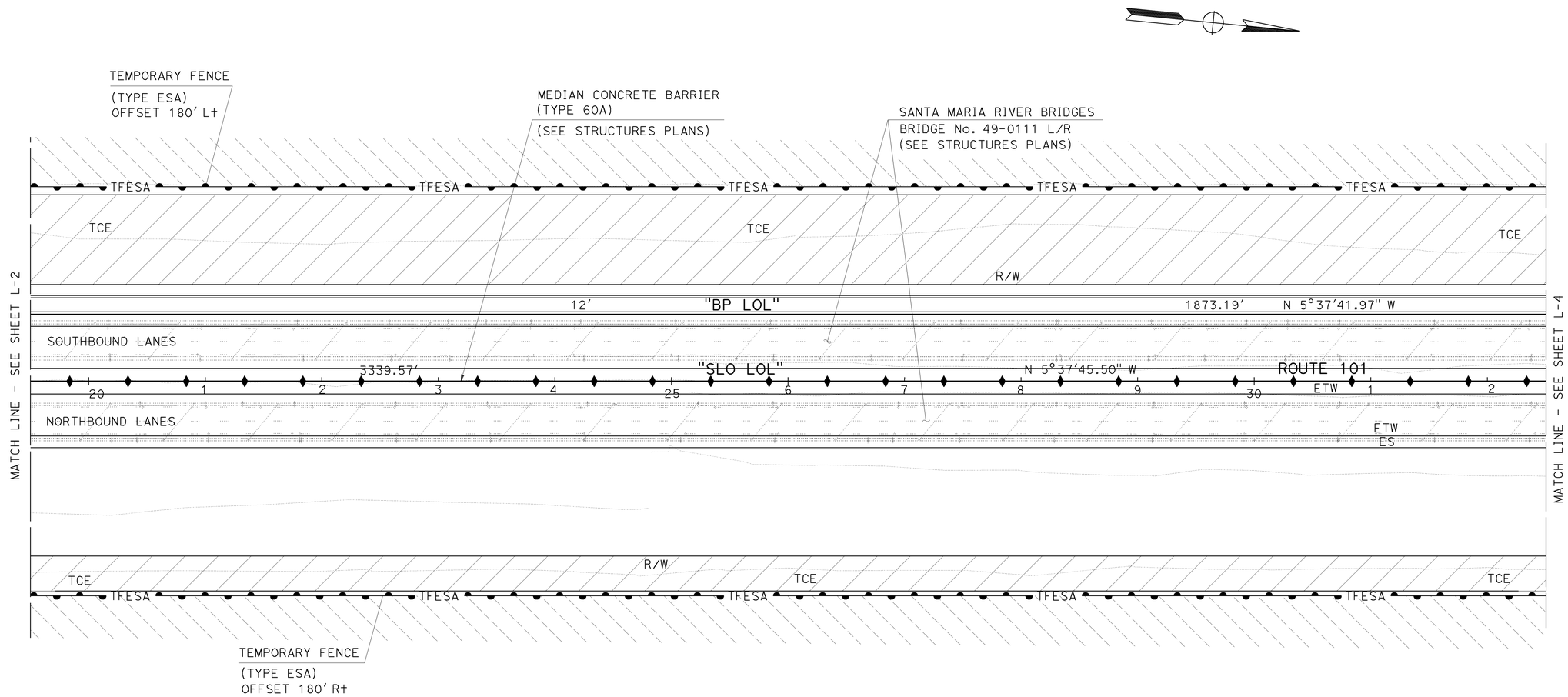
NOTES:

1. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. FOR MEDIAN CONCRETE BARRIER (TYPE 60A) AND CONCRETE BARRIER (TYPE 742) SEE STRUCTURE PLANS.



LAYOUT L-3

SCALE: 1"=50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: M.TOWNE
CHECKED BY: C.GUBLER
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	7	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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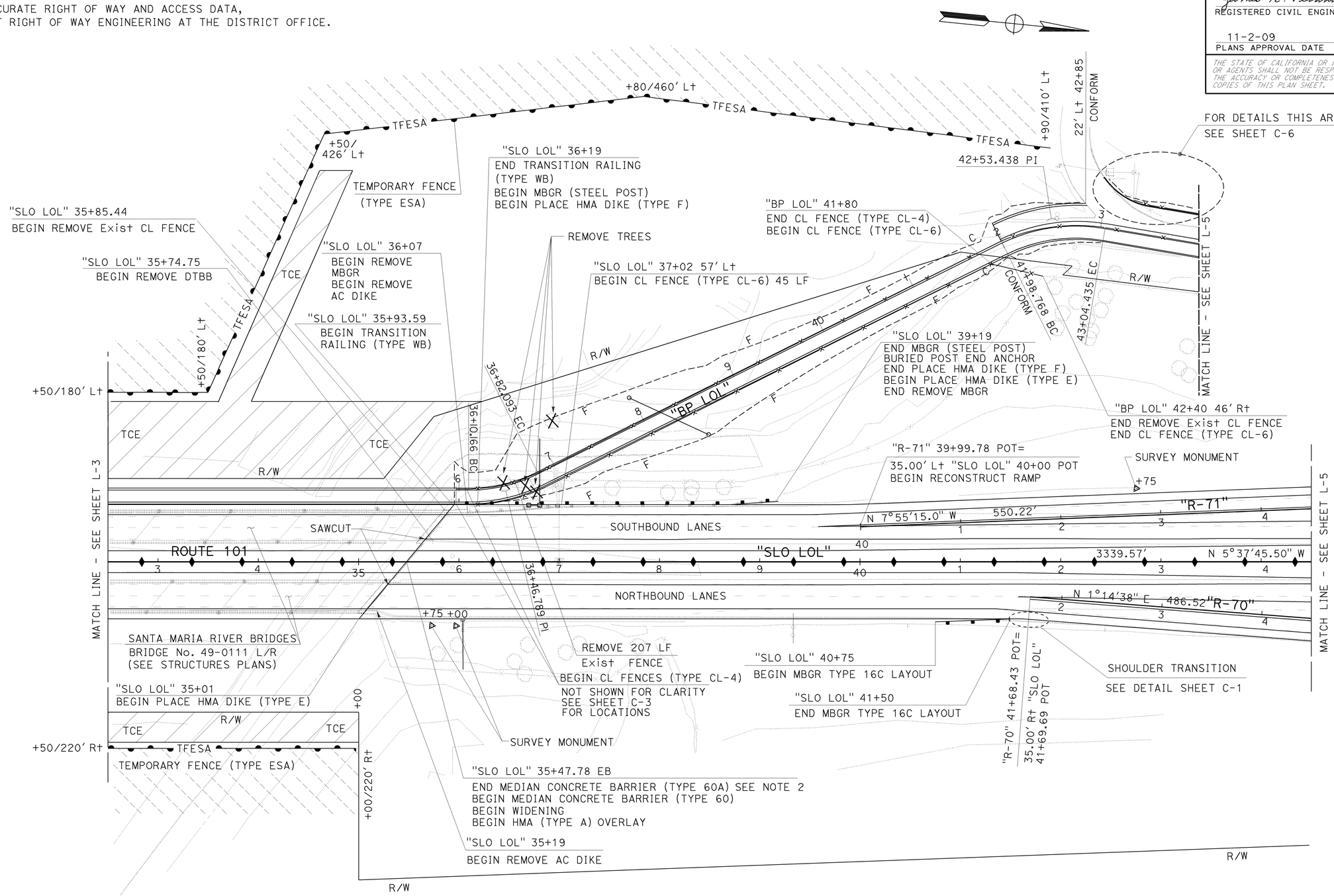
NOTE:

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



LAYOUT L-4

SCALE: 1"=50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: M.TOWNE
CHECKED BY: C.GUBLER
REVISED BY
DATE REVISED

LAST REVISION 10-01-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	8	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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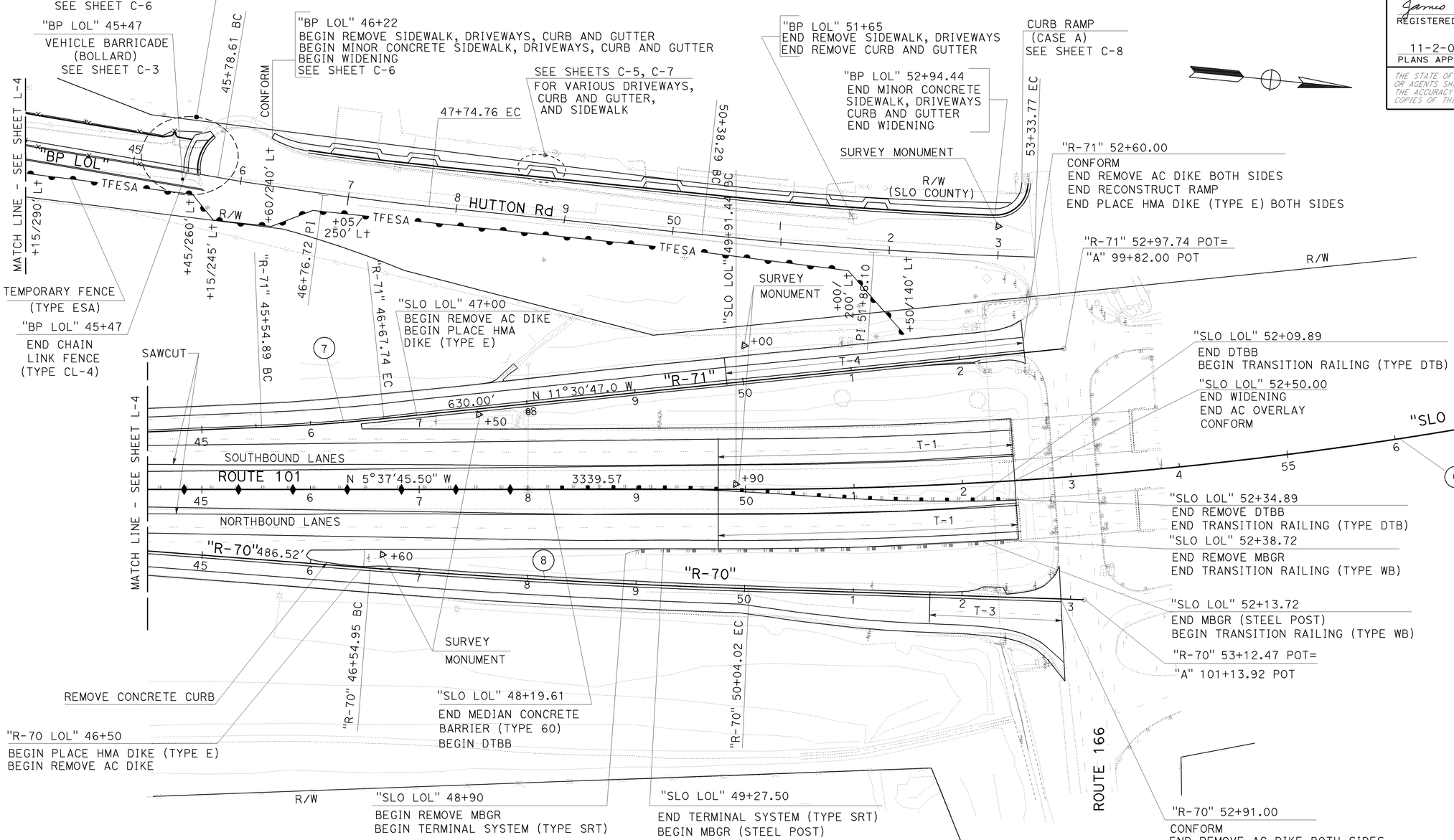
NOTE: FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



CURVE DATA				
No.	R	Δ	T	L
6	4000′	28°38′28.9"	1021.16′	1999.62′
7	1800′	3°35′31.7"	56.44′	112.85′
8	8000′	2°29′58.0"	174.52′	348.99′

LAYOUT L-5

SCALE: 1"=50′

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: M.TOWNE
CHECKED BY: C.GUBLER
REVISED BY
DATE REVISED

LAST REVISION 10-01-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	9	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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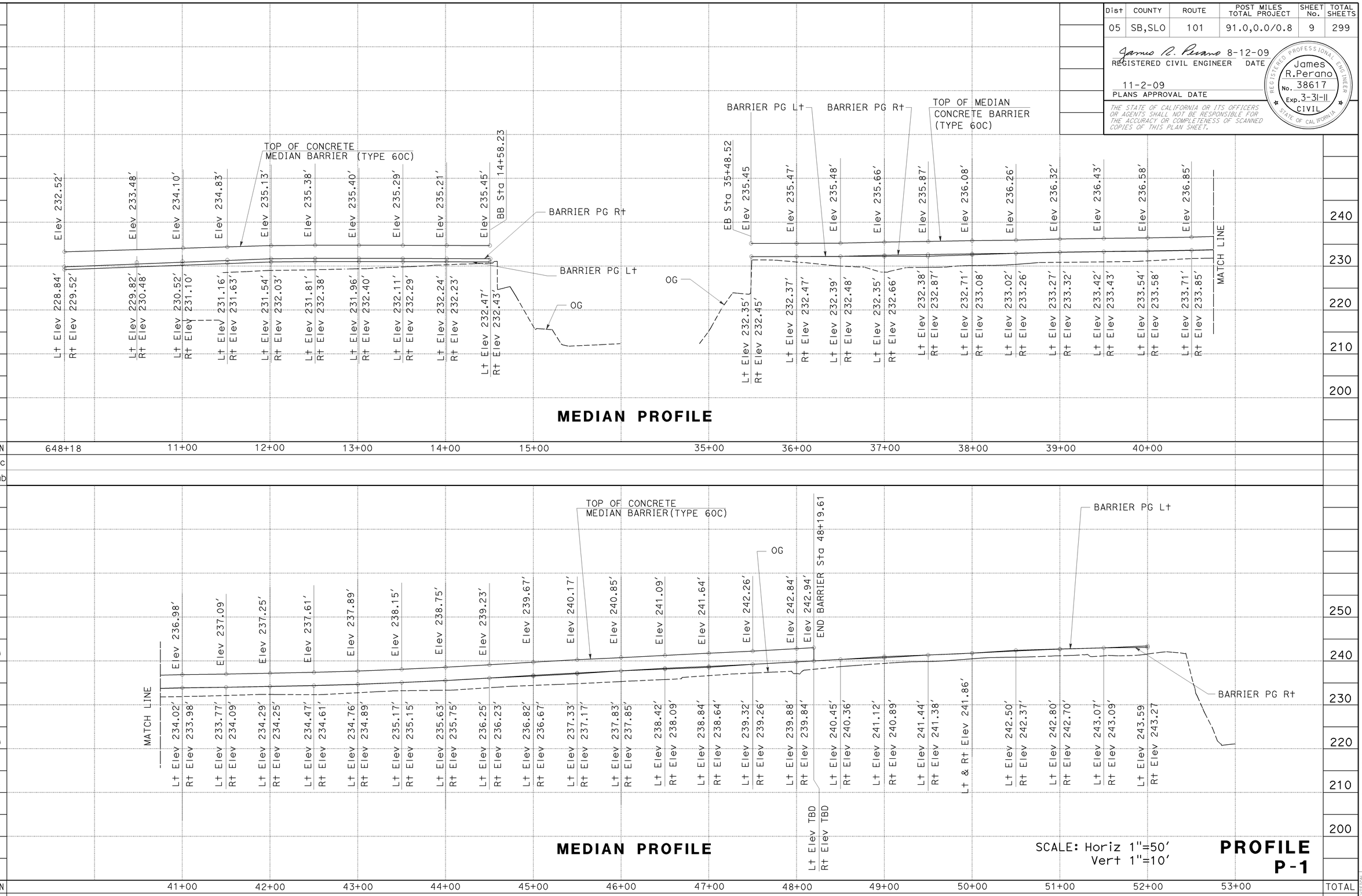

REVISED BY | DATE REVISED
MILT TOWNE | ANDREA FOUCHE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: J.R.PERANO

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

LAST REVISION 08-12-09 | DATE PLOTTED => 15-DEC-2009 | TIME PLOTTED => 08:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	10	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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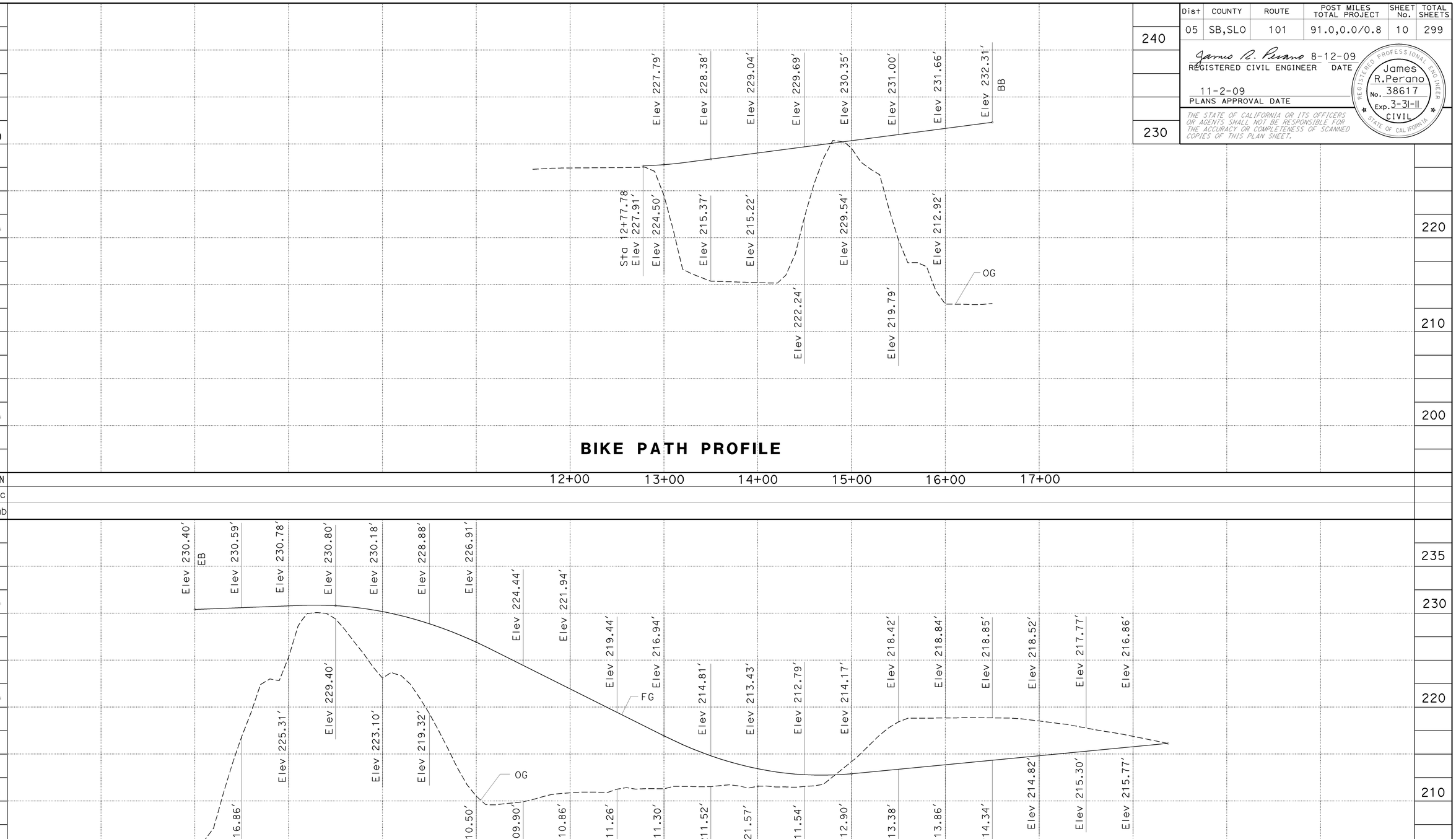

REVISED BY | DATE REVISED

MILT TOWNE | ANDREA FOUCHE

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: J.R.PERANO

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® DESIGN

LAST REVISION 08-12-09 | DATE PLOTTED => 15-DEC-2009 | TIME PLOTTED => 08:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	11	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
James R.Perano
No. 38617
Exp. 3-31-11
CIVIL
STATE OF CALIFORNIA

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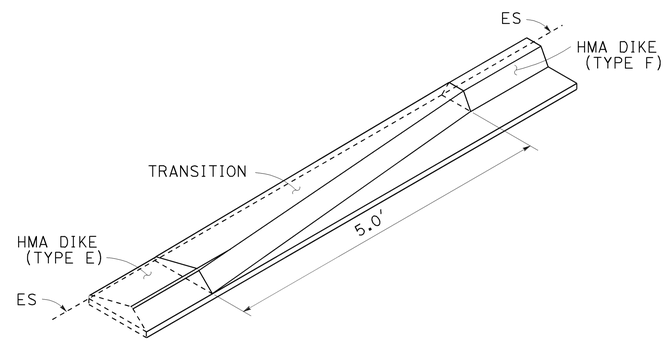
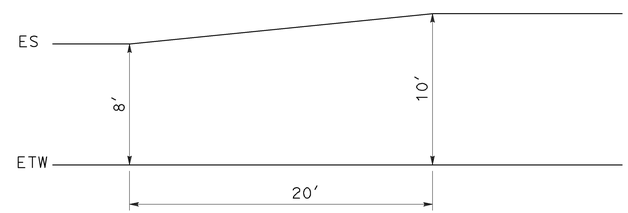
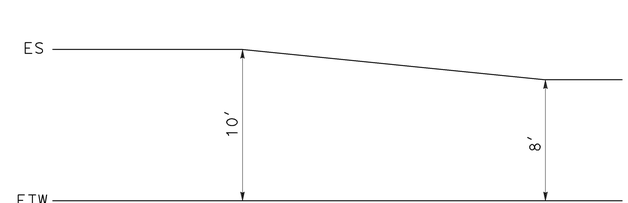


HMA DIKE (TYPE E) TRANSITION TO HMA DIKE (TYPE F)



57' Lt
"SLO LOL" 10+15 TO "SLO LOL" 10+35 SB



57' Rt
"SLO LOL" 41+50 TO "SLO LOL" 41+70 NB

SHOULDER TRANSITION DETAIL

CONSTRUCTION DETAILS

NO SCALE

C-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: MILT TOWNE
CHECKED BY: ANDREA FOUCHE
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 15-DEC-2009
08-12-09 TIME PLOTTED => 08:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	12	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

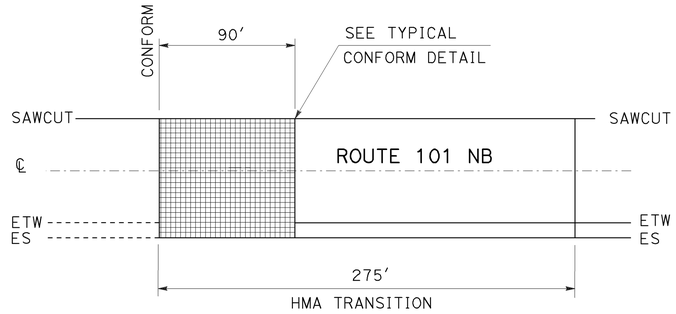
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

1. FOR COLD PLANE AC PAVEMENT LOCATIONS AND QUANTITIES SEE SUMMARY OF QUANTITIES SHEETS.

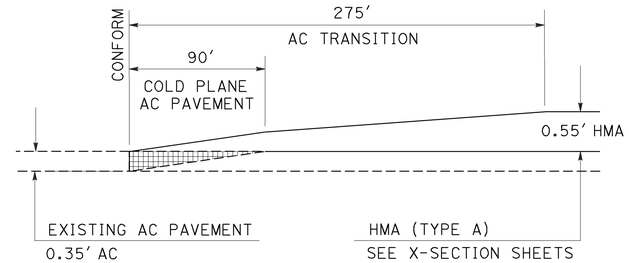
LEGEND:

COLD PLANE ASPHALT CONCRETE PAVEMENT

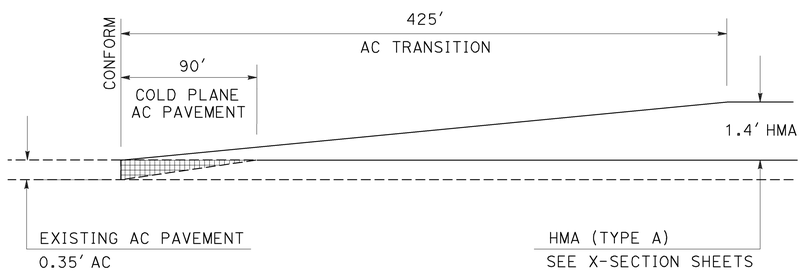


PLAN T-1

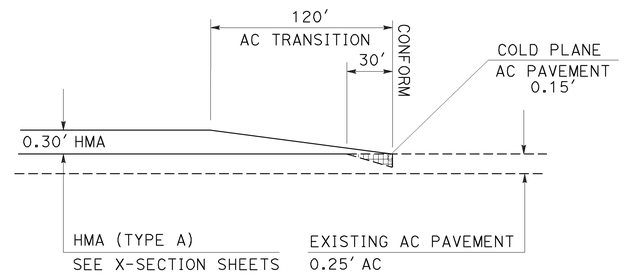
Sta NB, 648+18.00 TO 14+58.23
Sta NB, SB 49+75.00 TO 52+50.00



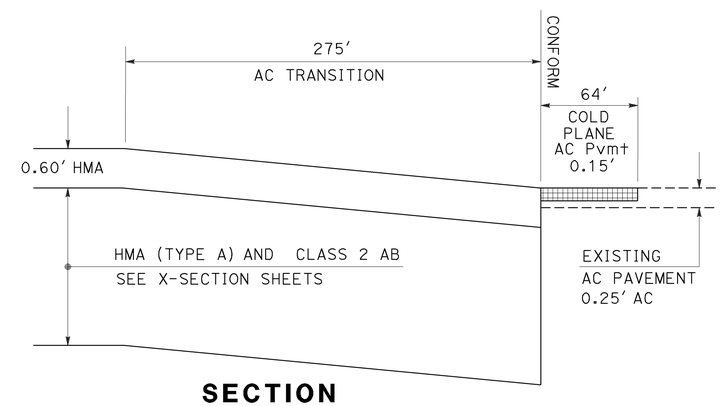
SECTION
T-1 CONFORM DETAIL



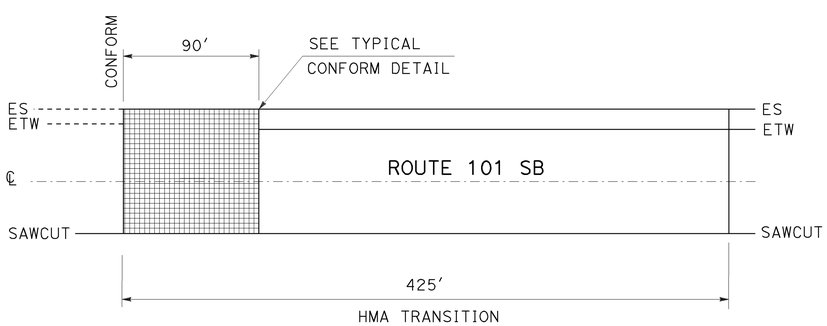
SECTION
T-2 CONFORM DETAIL



SECTION
T-3 CONFORM DETAIL

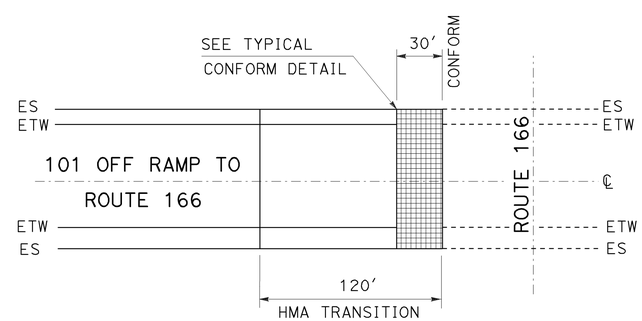


SECTION
T-4 CONFORM DETAIL



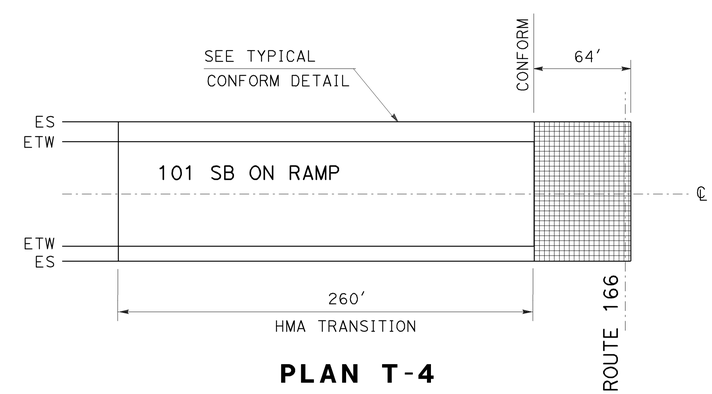
PLAN T-2

Sta SB 648+18.00 TO 14+58.23



PLAN T-3

Sta "R-70" 51+71 TO 52+91



PLAN T-4

Sta "R-71" 50+00 TO 53+24

CONSTRUCTION DETAILS

NO SCALE

C-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: MILT TOWNE
CHECKED BY: ANDREA FOUCHE
REVISED BY
DATE REVISED

LAST REVISION 08-03-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:53

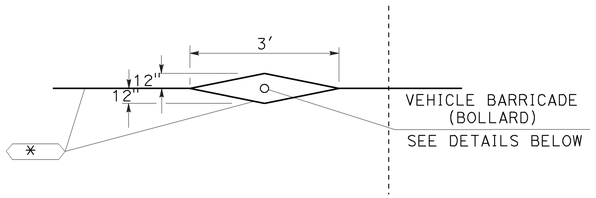
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	13	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

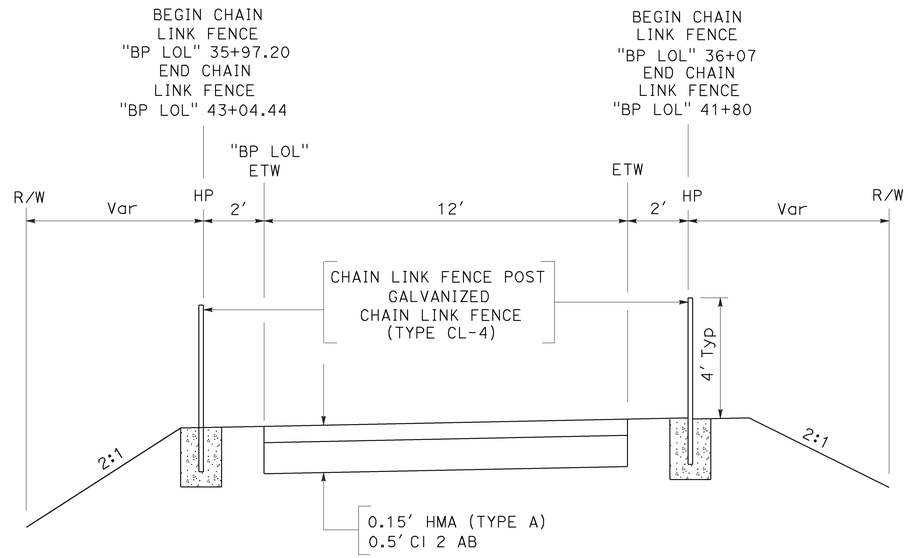
REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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.

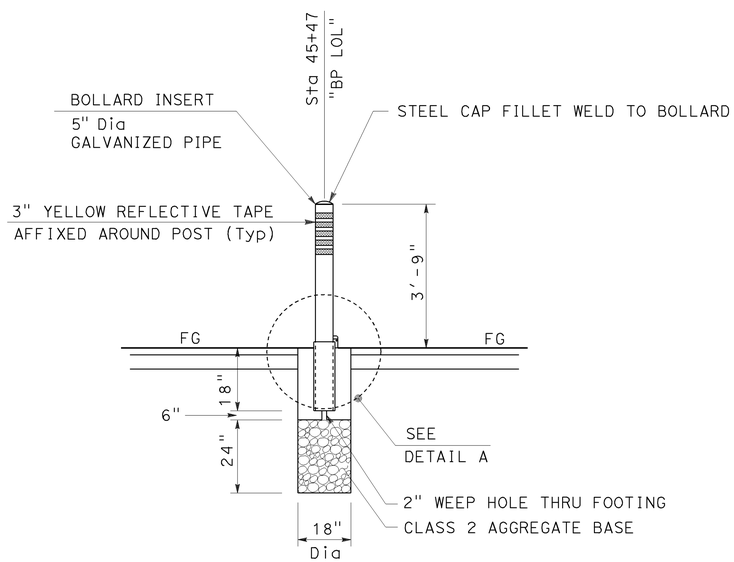


BIKE PATH STRIPING DETAIL

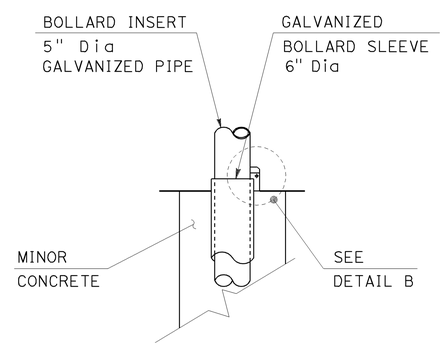
* SEE PD SHEETS FOR STRIPE TYPE



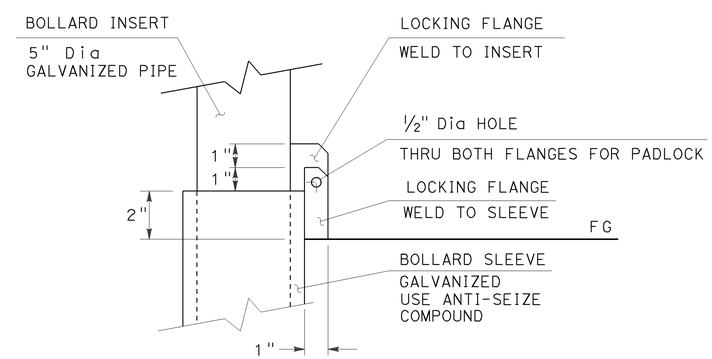
BIKE PATH
FENCE DETAIL



VEHICLE BARRICADE (BOLLARD)



DETAIL A



LOCKING FLANGE TO BE ¼" STEEL PLATE

NOTE: PADLOCK TO BE STATE FURNISHED

CONSTRUCTION DETAILS
NO SCALE

C-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: MILT TOWNE
CHECKED BY: ANDREA FOUCHE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	14	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

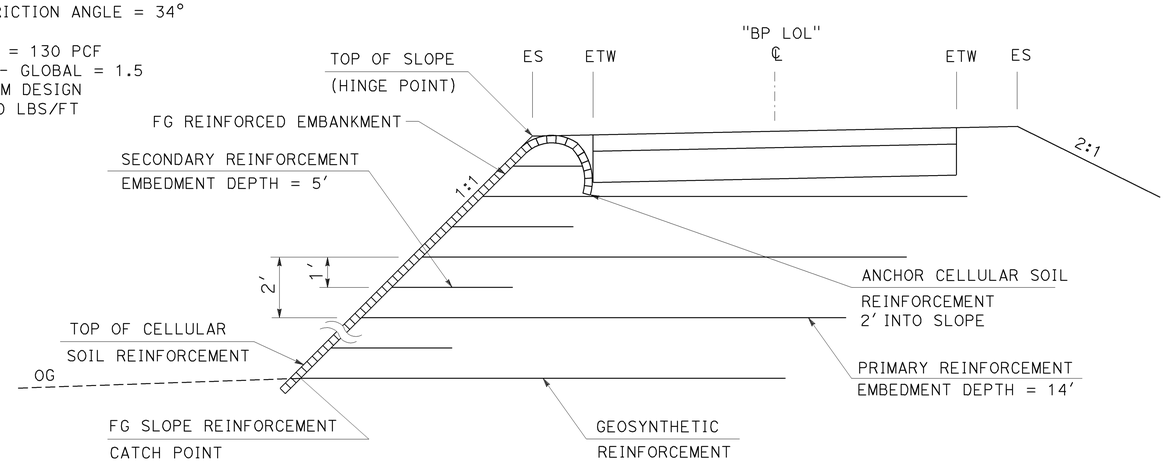
11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 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.

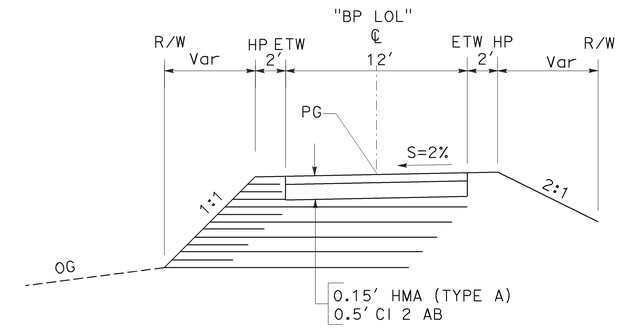
NOTE:

DESIGN PARAMETERS: FRICTION ANGLE = 34°
COHESION = 0 PSI
COMPACTED UNIT WEIGHT = 130 PCF
Min FACTOR IF SAFETY - GLOBAL = 1.5
GEOSYNTHETIC LONG TERM DESIGN
STRENGTH (LTDS) = 2000 LBS/FT

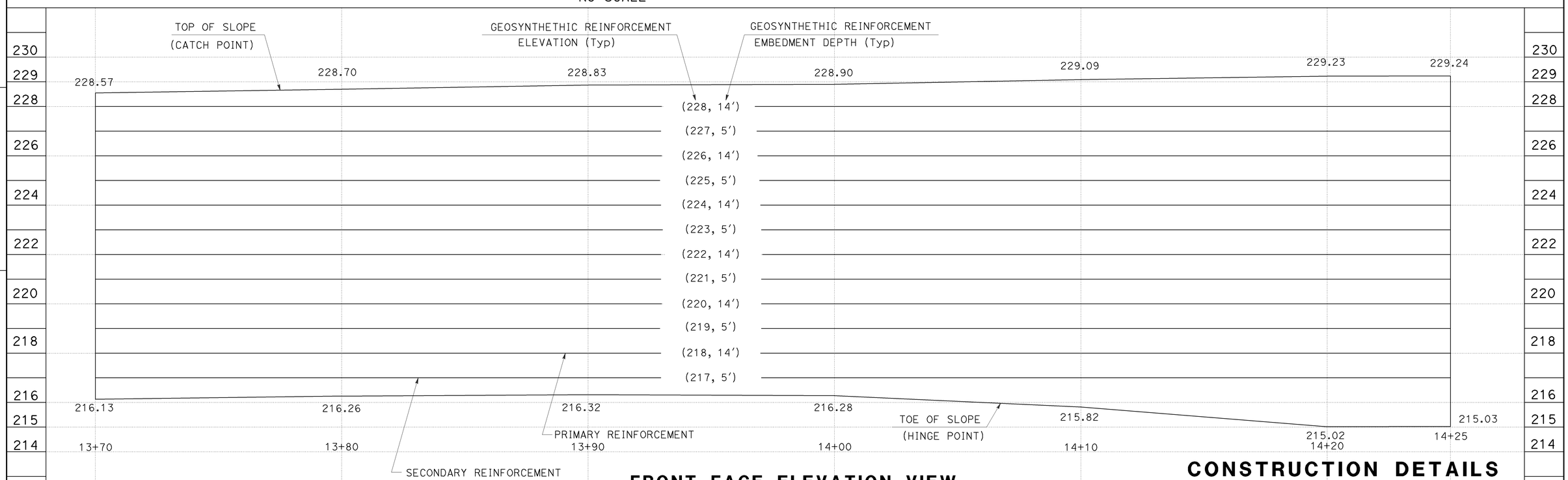


DETAIL
GEOSYNTHETIC REINFORCED EMBANKMENT AND CELLULAR SOIL REINFORCEMENT

NO SCALE



NORTHBOUND BIKE PATH
Sta 13+70 TO Sta 14+25
SEE DETAIL
NO SCALE



FRONT FACE ELEVATION VIEW

SCALE: Horiz 1"=2'
Vert 1"=2'

CONSTRUCTION DETAILS
GEOSYNTHETIC REINFORCED EMBANKMENT

SCALE AS SHOWN

C-4

STATION		TOTAL
CY	Exc	
	Emb	

REVISED BY | DATE REVISED
MILT TOWNE | AARON WOLFRAM
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR
J.R.PERANO

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	15	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

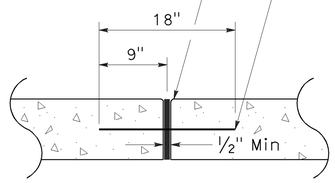
11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 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.

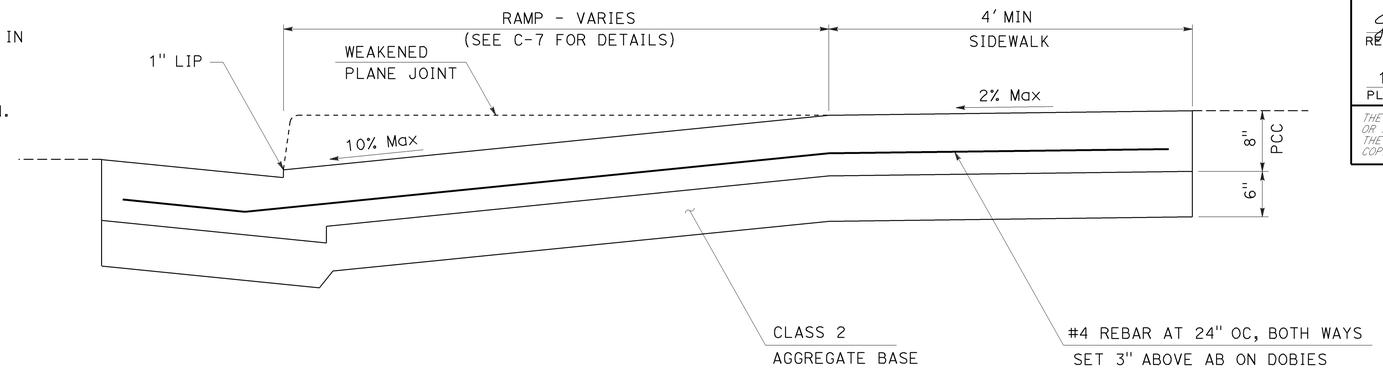
NOTES:

1. EXPANSION JOINTS SHALL BE CONSTRUCTED AS SHOWN. ½" Dia x 18" SMOOTH, GREASED DOWELS SHALL BE PLACED IN THE EXPANSION JOINT, ONE IN CURB FACE, ONE IN GUTTER, AND AT 18 INCHES ON CENTER IN SIDEWALKS.
2. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AS SHOWN.

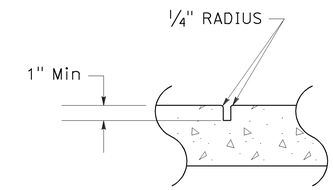


EXPANSION JOINT FELT SHALL BE FLUSH WITH THE TOP OF FINISHED SURFACE

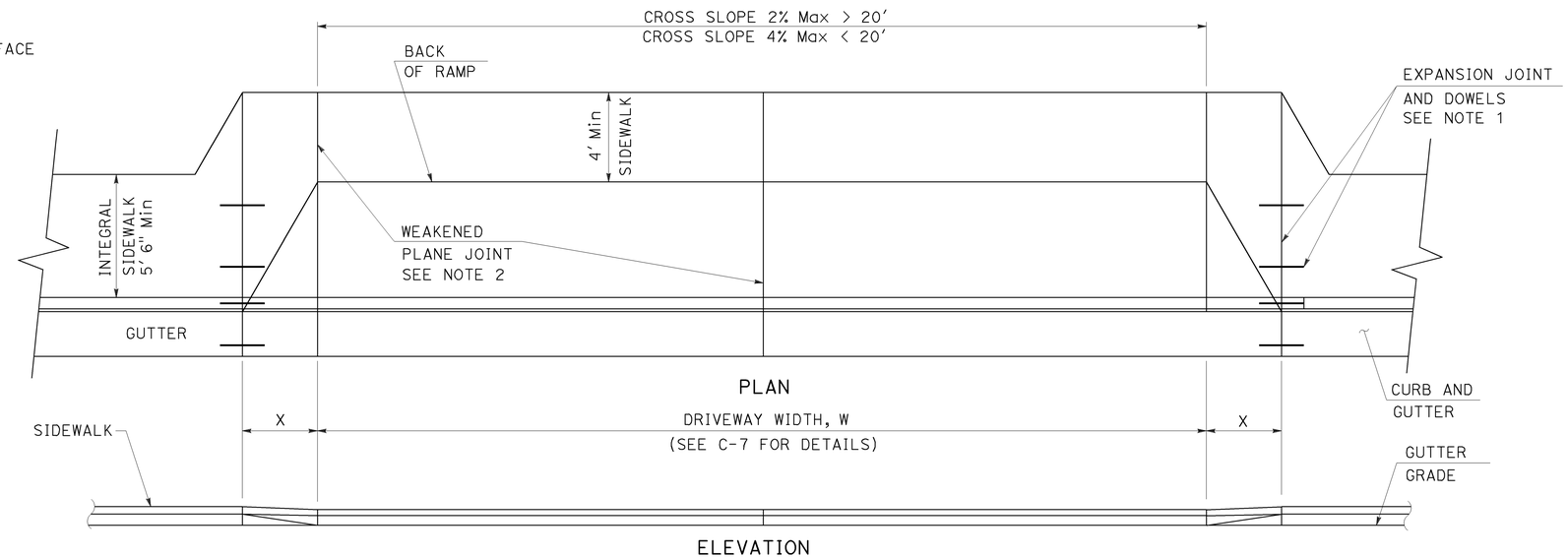
EXPANSION JOINT



TYPICAL SECTION



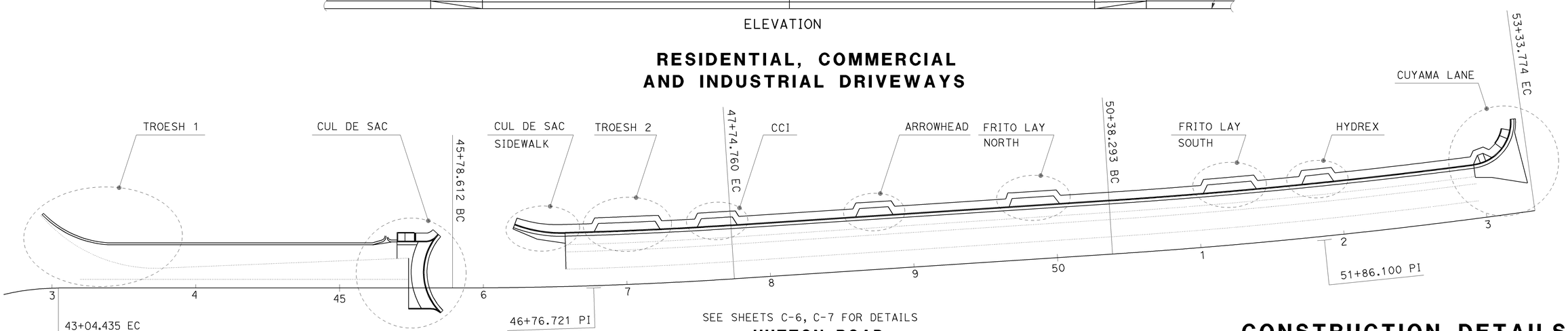
WEAKENED PLANE JOINT



PLAN

ELEVATION

RESIDENTIAL, COMMERCIAL AND INDUSTRIAL DRIVEWAYS



SEE SHEETS C-6, C-7 FOR DETAILS

HUTTON ROAD DRIVEWAY LOCATION MAP

CONSTRUCTION DETAILS

NO SCALE

C-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: MILT TOWNE
CHECKED BY: ANDREA FOUCHE
REVISED BY / DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	16	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

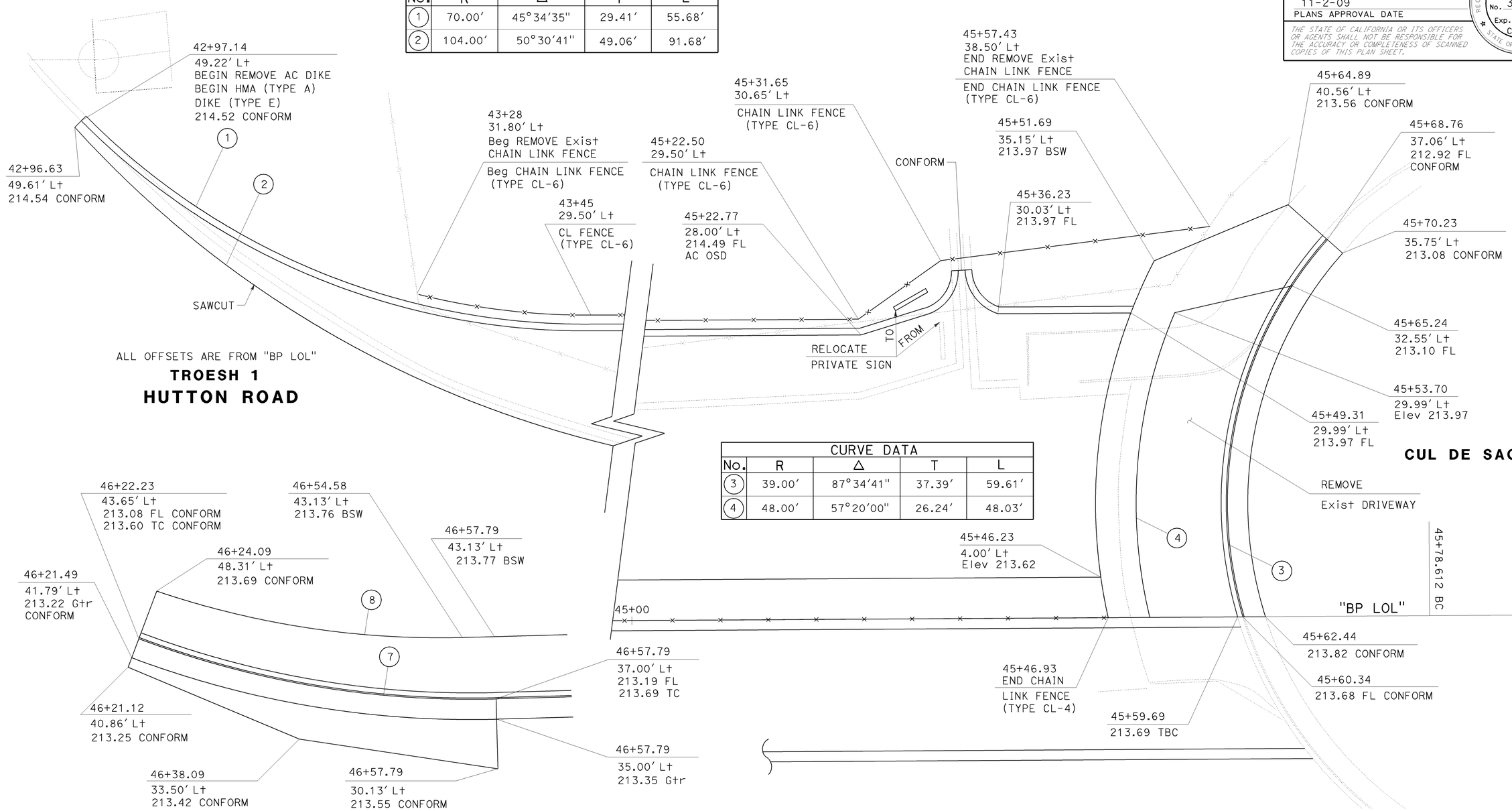
11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 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.

TROESH 1

CURVE DATA				
No.	R	Δ	T	L
1	70.00′	45°34′35"	29.41′	55.68′
2	104.00′	50°30′41"	49.06′	91.68′



ALL OFFSETS ARE FROM "BP LOL"

TROESH 1
HUTTON ROAD

CURVE DATA				
No.	R	Δ	T	L
3	39.00′	87°34′41"	37.39′	59.61′
4	48.00′	57°20′00"	26.24′	48.03′

CUL DE SAC

CUL DE SAC SIDEWALK

CURVE DATA				
No.	R	Δ	T	L
7	93.00′	22°8′47"	18.20′	35.95′
8	87.00′	20°9′58"	15.47′	30.62′

ALL OFFSETS ARE FROM "BP LOL"

CUL DE SAC SIDEWALK
HUTTON ROAD

ALL OFFSETS ARE FROM "BP LOL"

CUL DE SAC
HUTTON ROAD

CONSTRUCTION DETAILS
NO SCALE

C-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: ANDREA FOUCHE
CHECKED BY: MILT TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	17	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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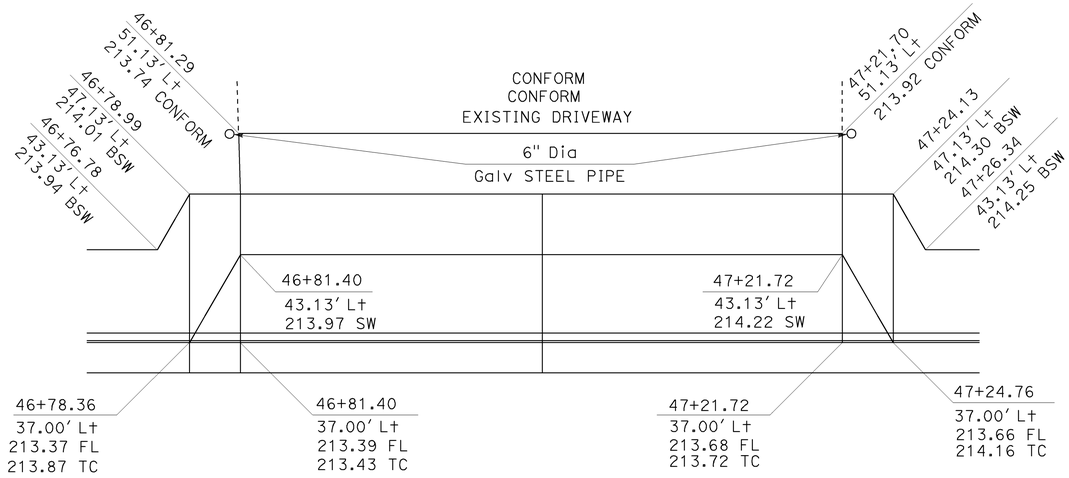
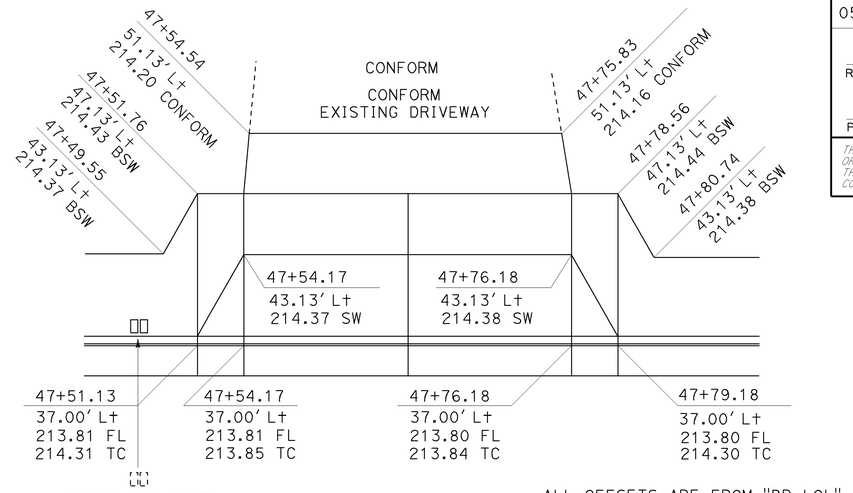


ALL OFFSETS ARE FROM "BP LOL"

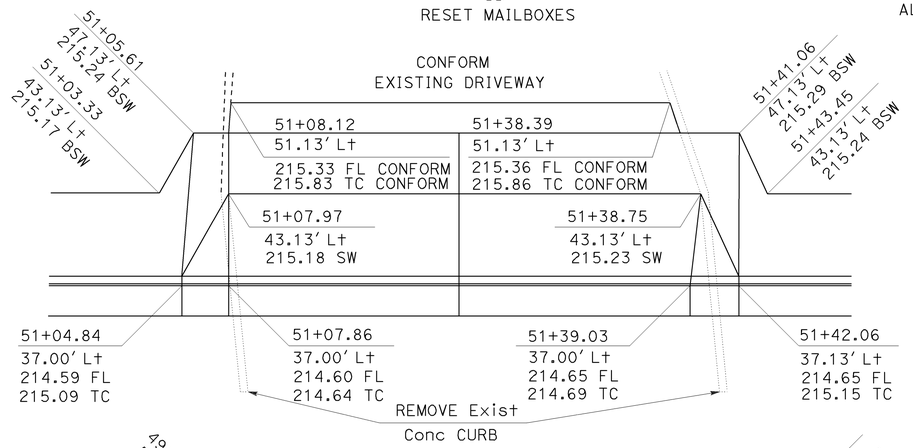
TROESH 2



RESET MAILBOXES

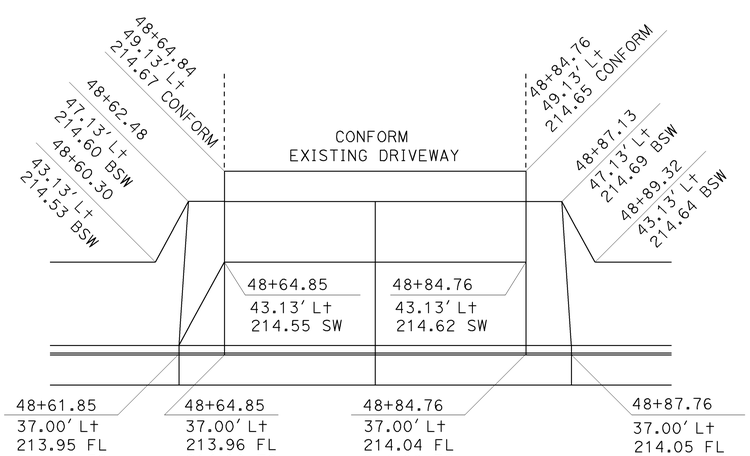
ALL OFFSETS ARE FROM "BP LOL"

CCI



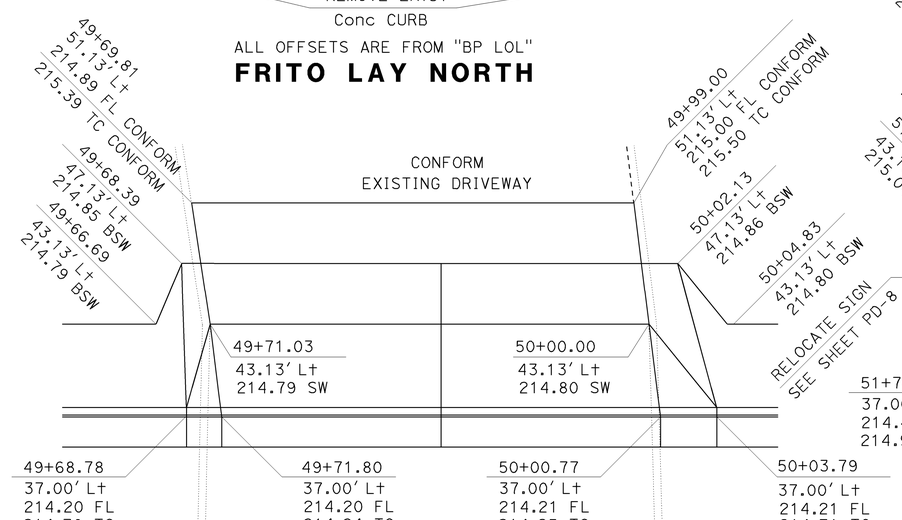
ALL OFFSETS ARE FROM "BP LOL"

FRITO LAY NORTH



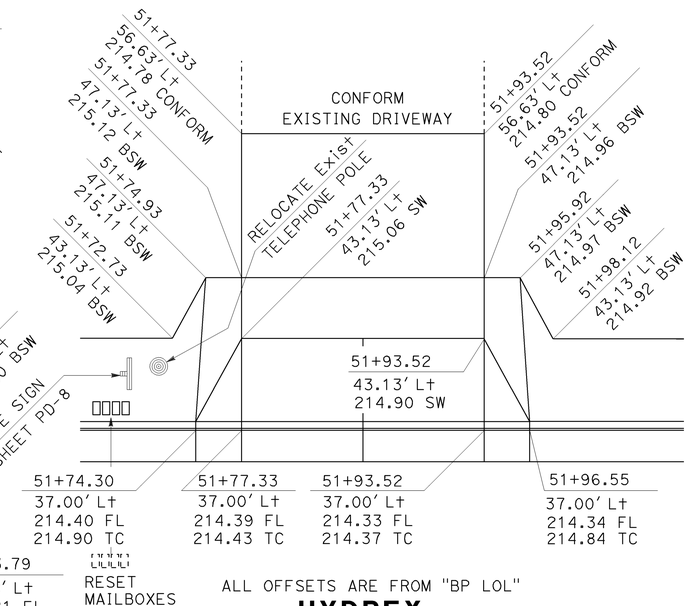
ALL OFFSETS ARE FROM "BP LOL"

ARROWHEAD



ALL OFFSETS ARE FROM "BP LOL"

FRITO LAY SOUTH



ALL OFFSETS ARE FROM "BP LOL"

HYDREX

CONSTRUCTION DETAILS

NO SCALE

C-7

REVISED BY | DATE REVISED
MILT TOWNE | ANDREA FOUCHE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | J.R.PERANO

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION | DATE PLOTTED => 15-DEC-2009
08-12-09 | TIME PLOTTED => 08:53

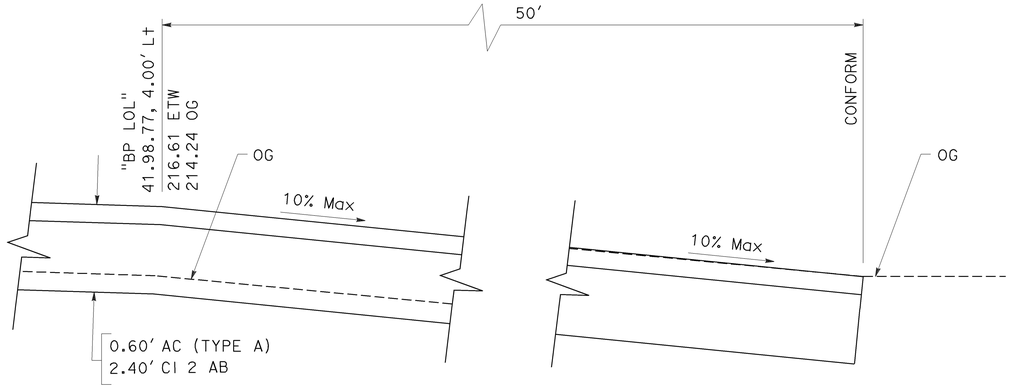
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	18	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

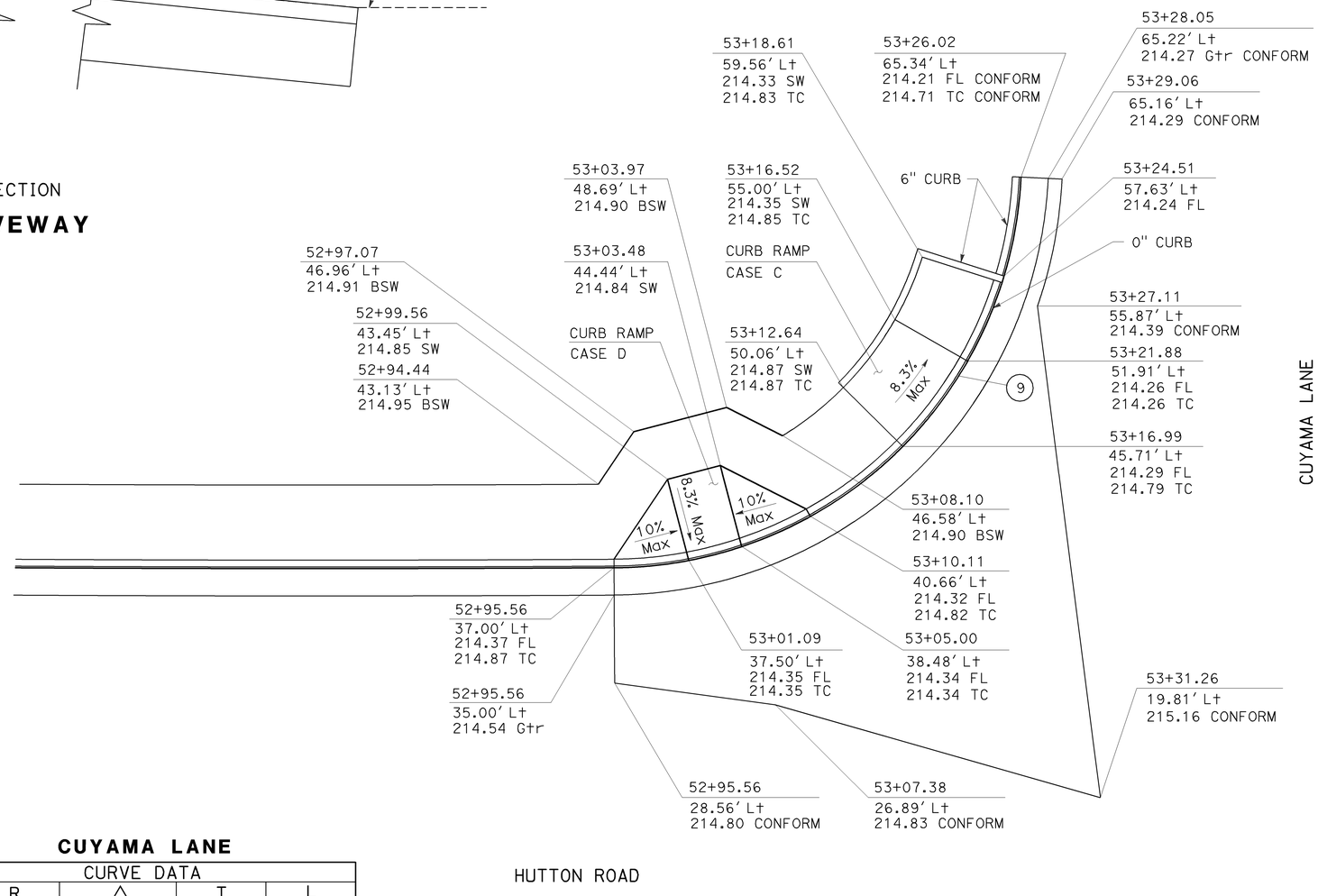
REGISTERED PROFESSIONAL ENGINEER
James R.Perano
No. 38617
Exp. 3-31-11
CIVIL
STATE OF CALIFORNIA

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.



TYPICAL SECTION

FOX DRIVEWAY



CUYAMA LANE

CURVE DATA				
No.	R	Δ	T	L
9	30.00'	87°2'35"	28.49'	45.58'

ALL OFFSETS ARE FROM "BP LOL"

CUYAMA LANE

CONSTRUCTION DETAILS

NO SCALE

C-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: ANDREA FOUCHE
CHECKED BY: MILT TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:53

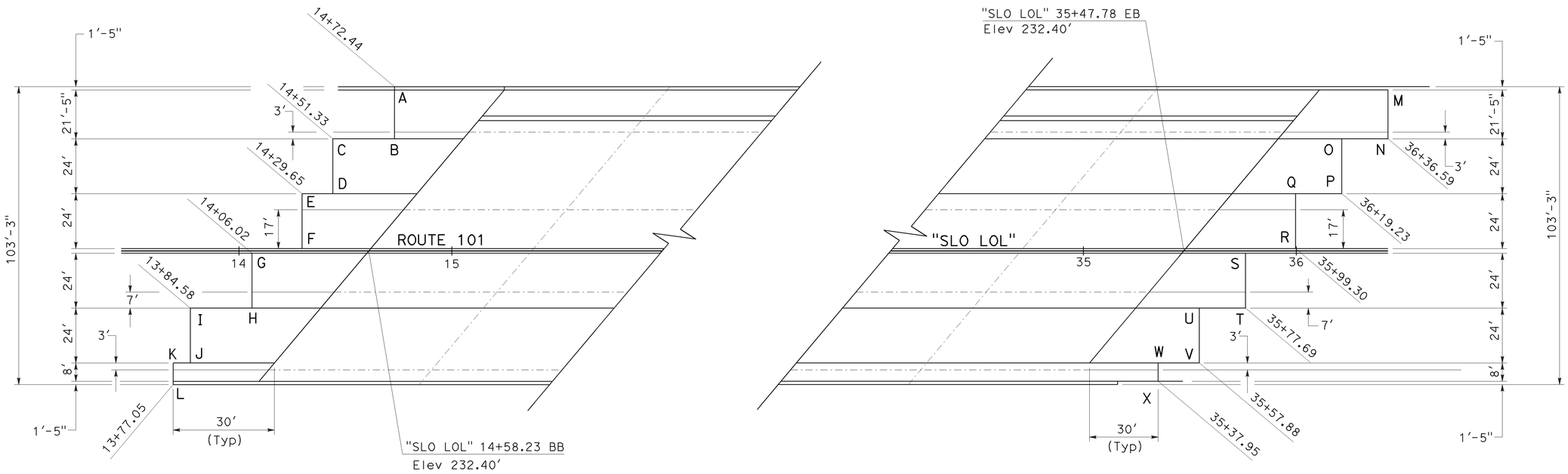
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	19	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 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.



PLAN

ALL STATIONS FROM "SLO LOL"

LOCATION	ELEVATION	CROSSFALL	LOCATION	ELEVATION	CROSSFALL
A	233.84'	+2%	M	230.99'	-2%
B	233.38'	+2%	N	231.42'	-2%
C	233.38'	+2%	O	231.42'	-2%
D	232.90'	+2%	P	231.90'	-2%
E	232.90'	+2%	Q	231.90'	-2%
F	232.42'	+2%	R	232.38'	-2%
G	232.38'	-2%	S	232.38'	-2%
H	231.90'	-2%	T	231.90'	-2%
I	231.90'	-2%	U	231.90'	-2%
J	231.42'	-2%	V	231.42'	-2%
K	231.42'	-2%	W	231.42'	-2%
L	231.23'	-2%	X	231.23'	-2%

STRUCTURE APPROACH DETAILS
CONSTRUCTION DETAILS

NO SCALE

C-9

REVISED BY | DATE REVISED
MILT TOWNE | J.R.PERANO
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | J.R.PERANO
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	20	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
James R.Perano
No. 38617
Exp. 3-31-11
CIVIL
STATE OF CALIFORNIA

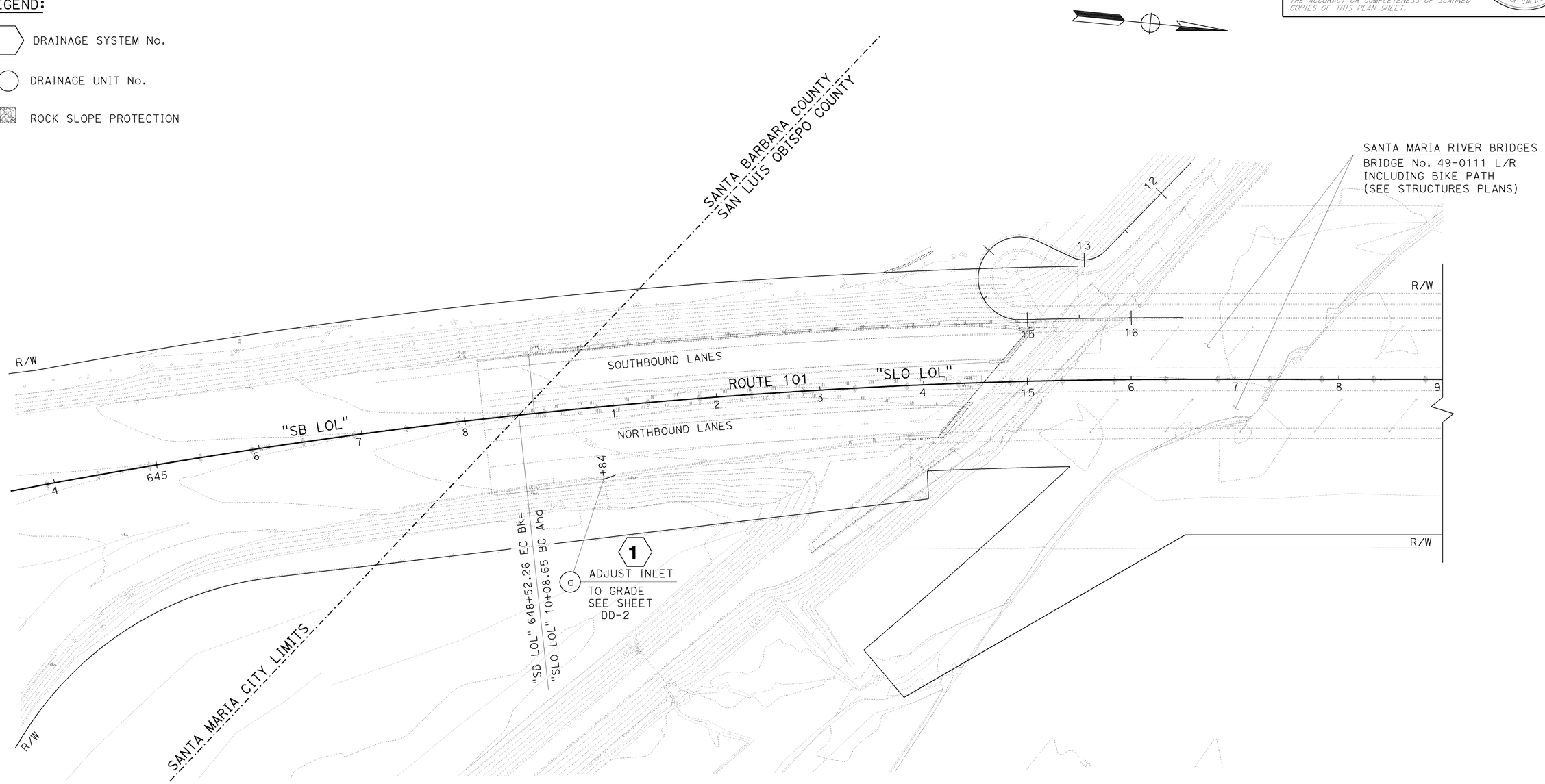
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

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

LEGEND:

- DRAINAGE SYSTEM No.
- DRAINAGE UNIT No.
- ROCK SLOPE PROTECTION



THIS PLAN ACCURATE FOR DRAINAGE CONSTRUCTION ONLY.

DRAINAGE PLAN

SCALE: 1"=50'

D-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: A. WOLFRAM
CHECKED BY: M. TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:54

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	21	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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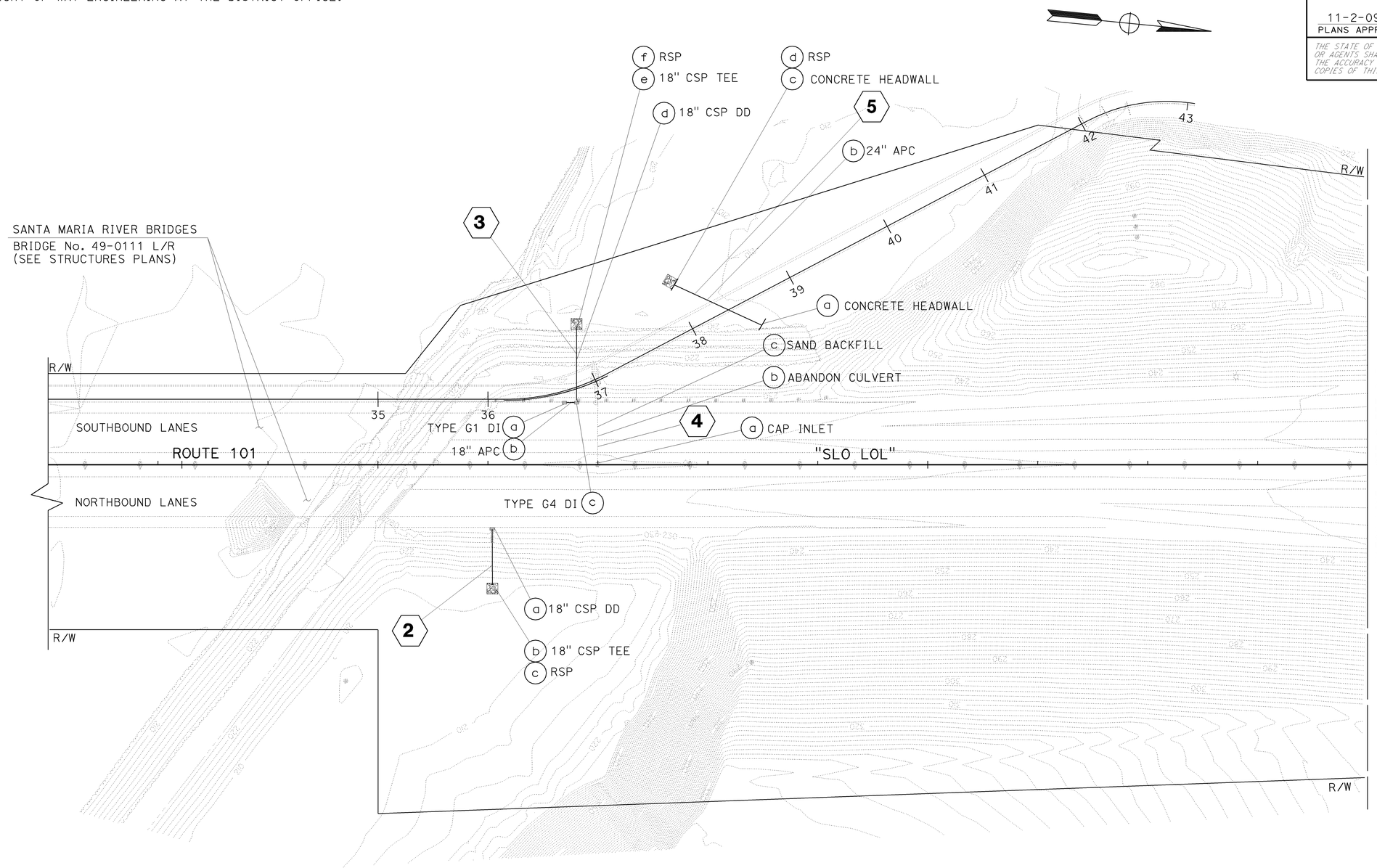
NOTE:

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



THIS PLAN ACCURATE FOR DRAINAGE CONSTRUCTION ONLY.

DRAINAGE PLAN

SCALE: 1"=50'

D-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: AARON WOLFRAM
CHECKED BY: MILTON TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:54

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	22	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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NOTE:

FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
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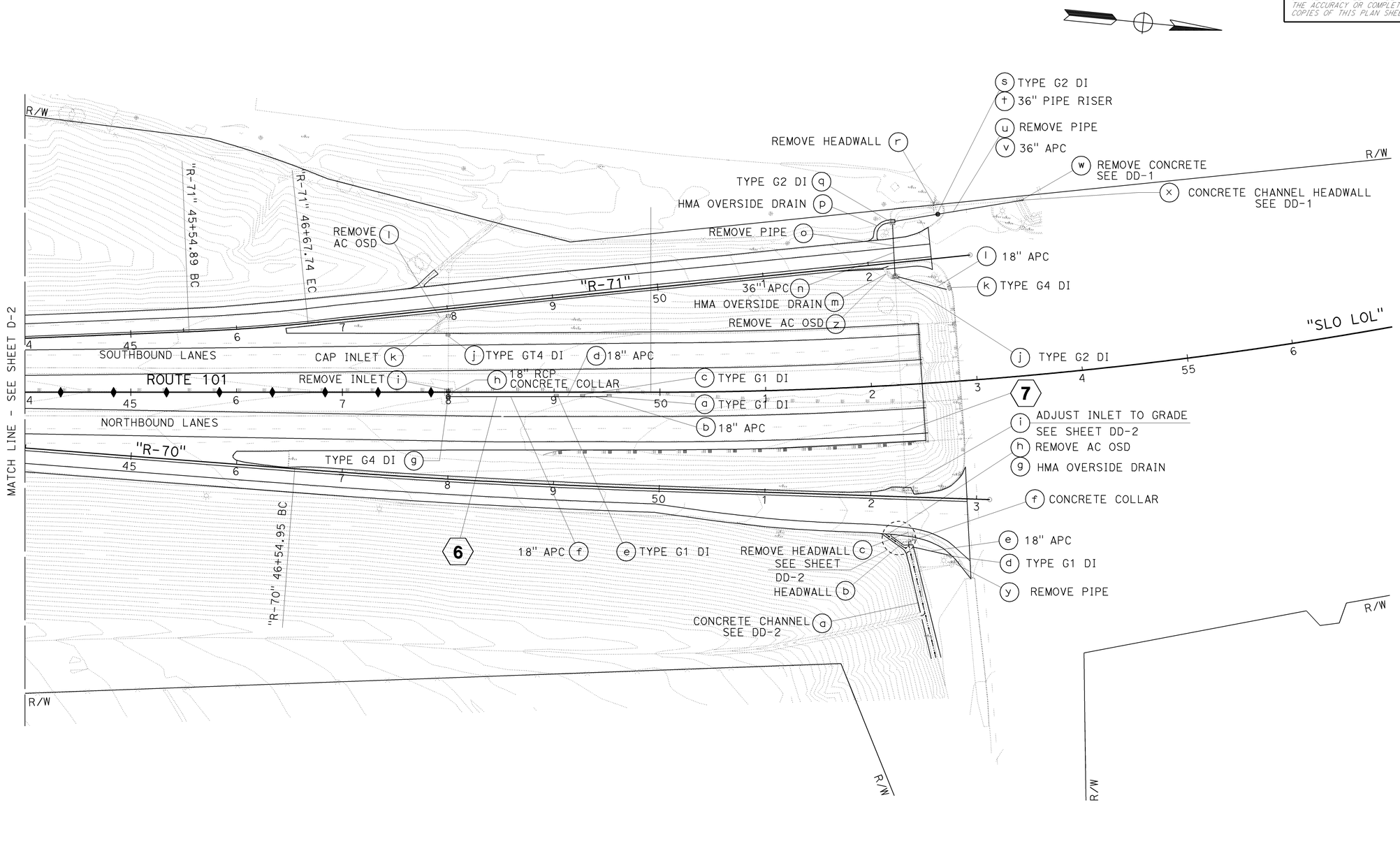

THIS PLAN ACCURATE FOR DRAINAGE CONSTRUCTION ONLY.

DRAINAGE PLAN

SCALE: 1"=50'

D-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: A. WOLFRAM
CHECKED BY: M. TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:54

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	23	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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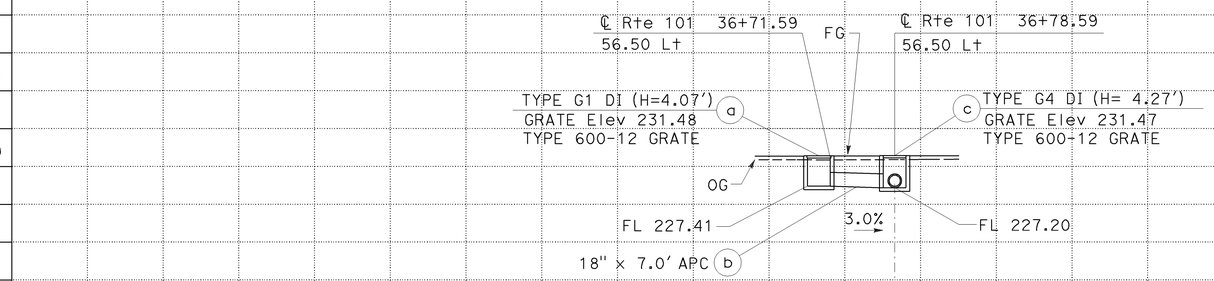
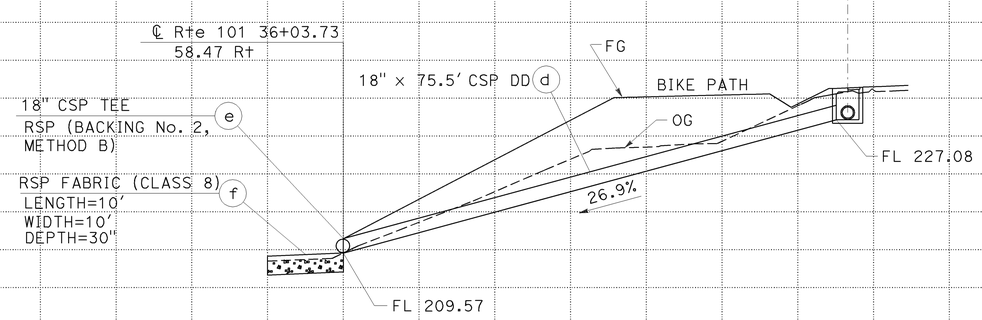
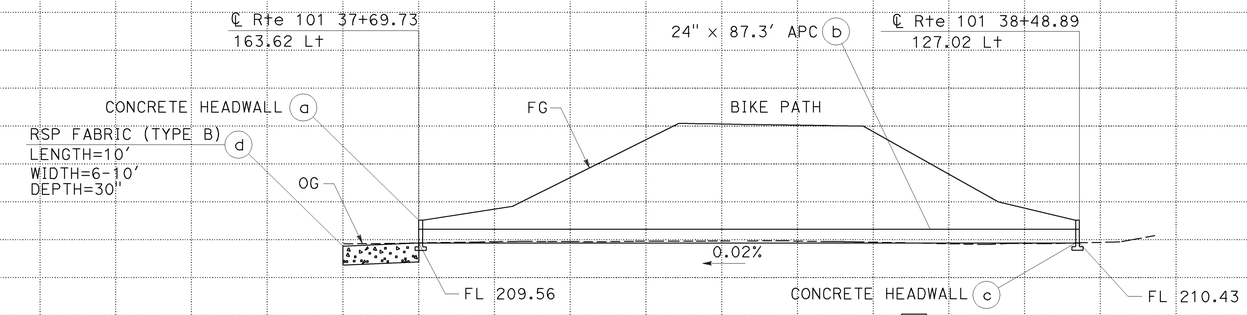
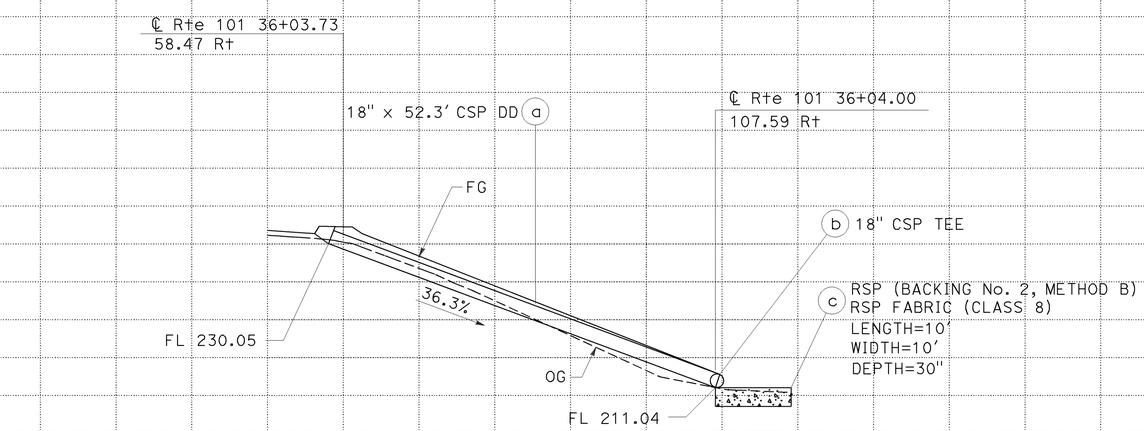




DRAINAGE SYSTEM No. 3



DRAINAGE SYSTEM No. 5



DRAINAGE SYSTEM No. 2

THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY.

DRAINAGE PROFILE

SCALE: Vert 1"=10′
Horiz 1"=10′

DP-1

STATION		TOTAL
CY	Exc	
	Emb	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN
FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: A. WOLFRAM
CHECKED BY: M. TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:54

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	24	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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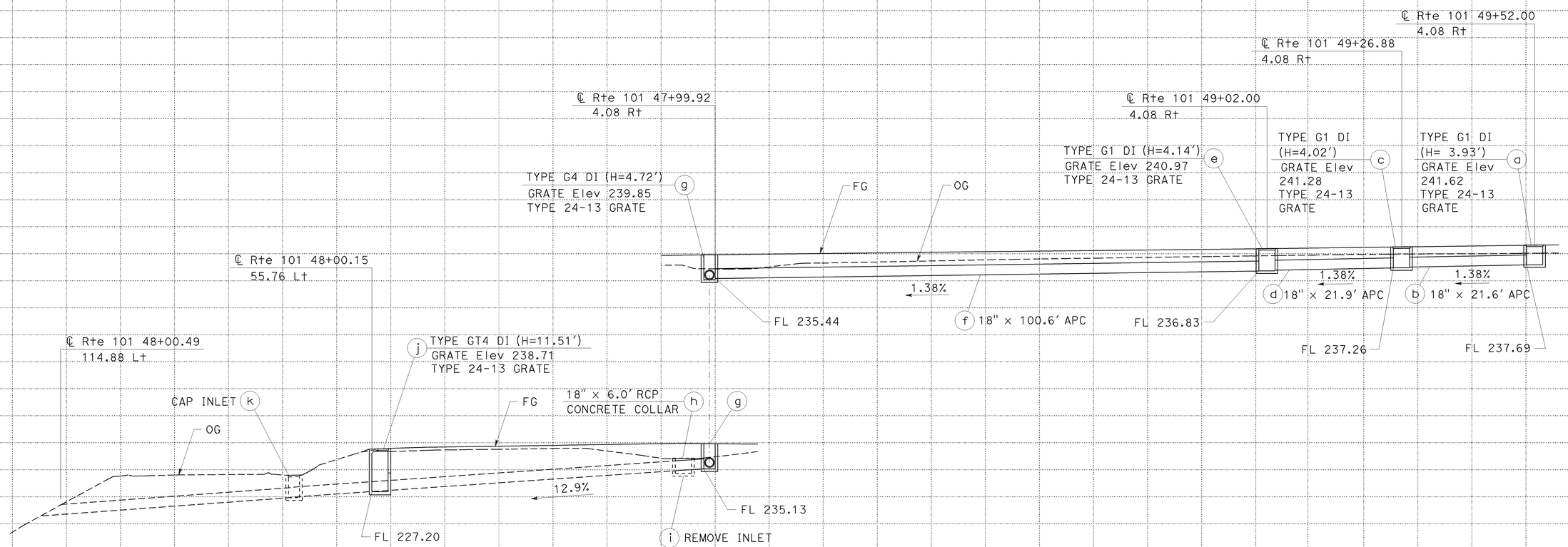


DRAINAGE SYSTEM No. 6

THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY.

DRAINAGE PROFILE

SCALE: Vert 1"=10'
Horiz 1"=10'

DP-2

STATION		80	90	100	110	120	130	TOTAL
CY	Exc							
	Emb							

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO

CALCULATED-DESIGNED BY: AARON WOLFRAM
CHECKED BY: M. TOWNE

REVISED BY | DATE REVISED

LAST REVISION 08-12-09 | DATE PLOTTED => 15-DEC-2009 | TIME PLOTTED => 08:54

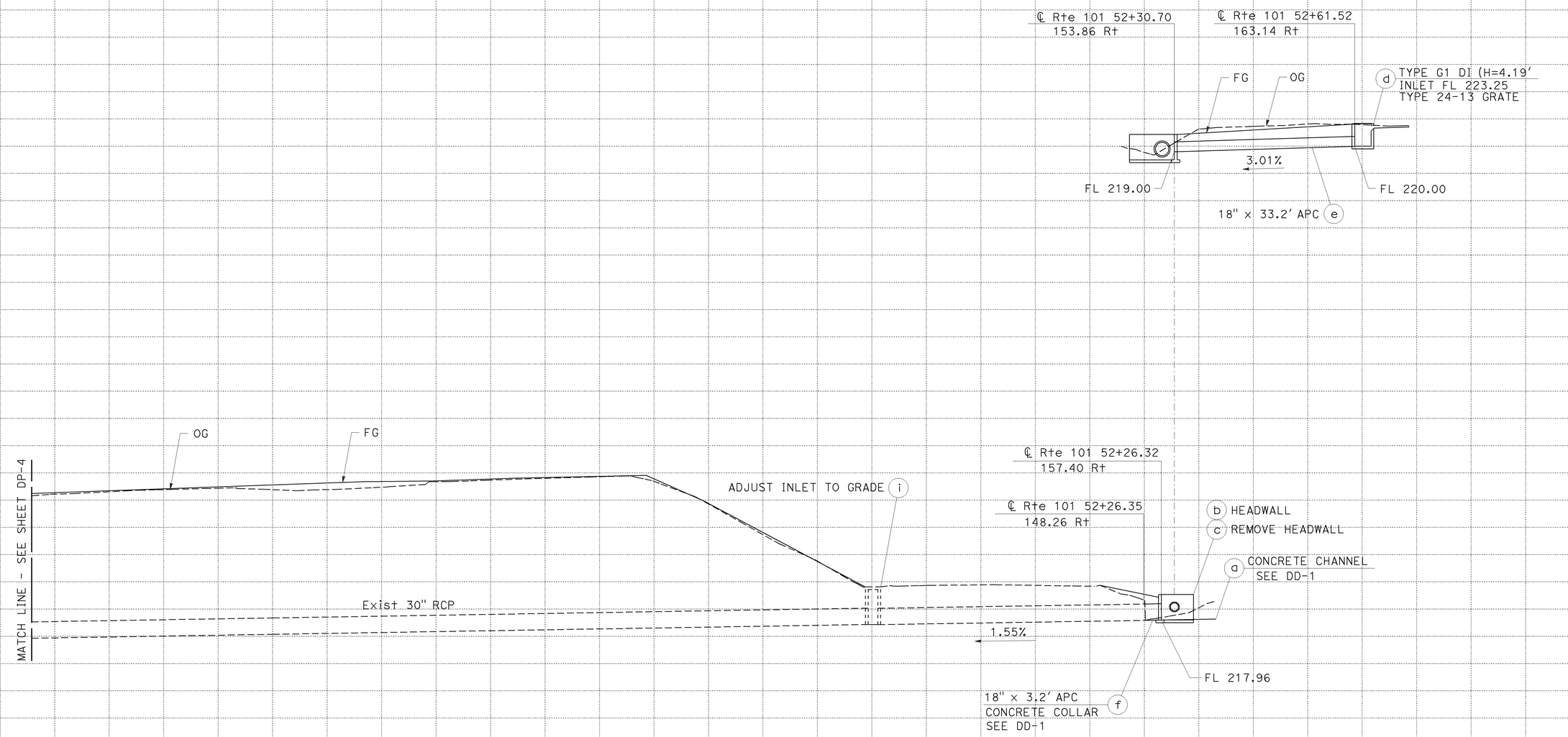
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	25	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
James R.Perano
No. 38617
Exp. 3-31-11
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.



DRAINAGE SYSTEM No. 7

THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY.

DRAINAGE PROFILE

SCALE: Vert 1"=10'
Horiz 1"=10'

DP-3

STATION		TOTAL
CY	Exc	
	Emb	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: AARON WOLFRAM
CHECKED BY: M. TOWNE
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 15-DEC-2009
10-01-09 TIME PLOTTED => 08:54

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	26	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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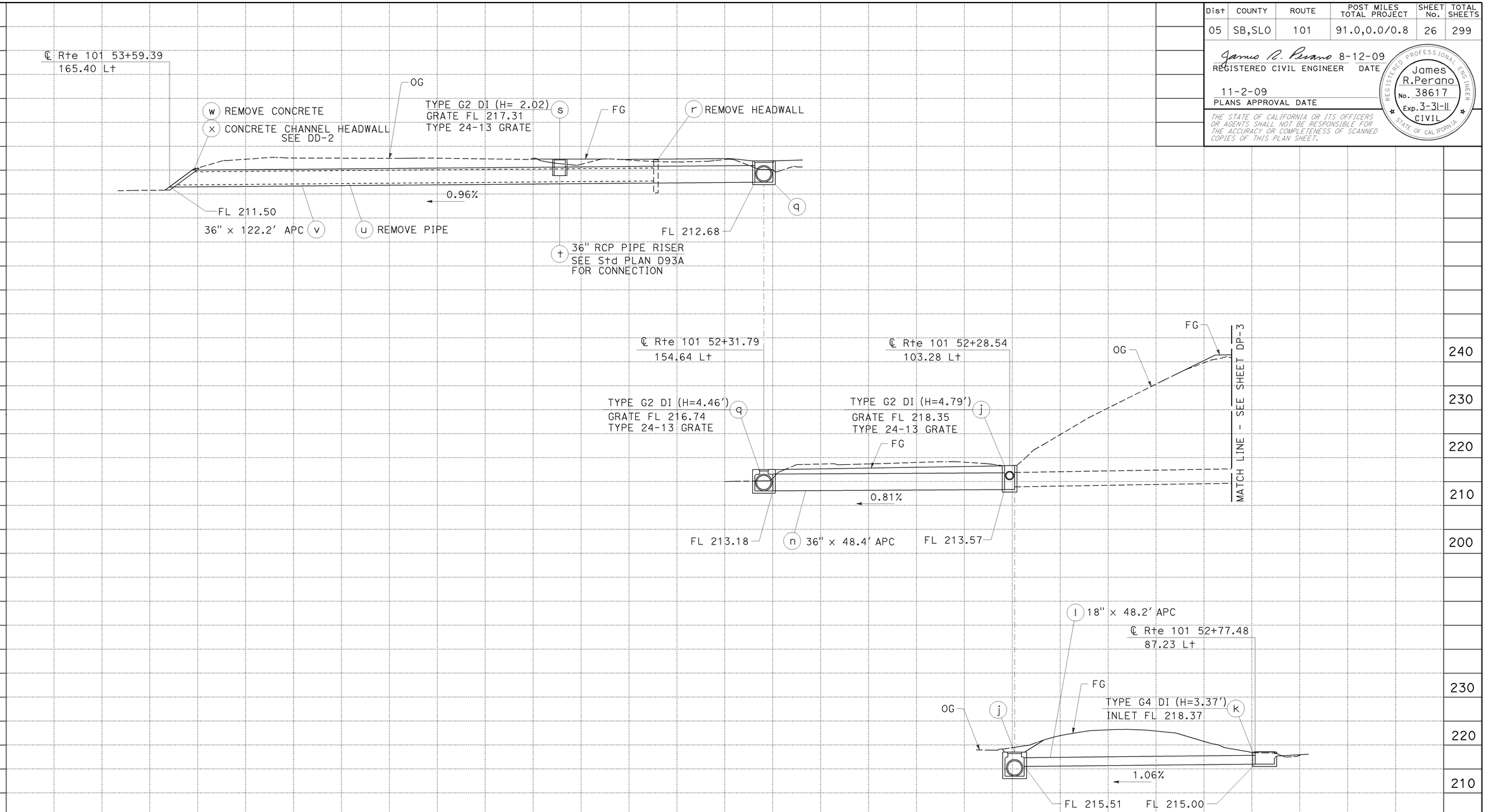

DRAINAGE SYSTEM No. 7

THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY.

DRAINAGE PROFILE

SCALE: Vert 1"=10'
Horiz 1"=10'

DP-4

STATION		TOTAL
CY	Exc	
	Emb	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
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CALCULATED-DESIGNED BY: AARON WOLFRAM
CHECKED BY: M. TOWNE
REVISED BY
DATE REVISED

LAST REVISION 10-01-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:54

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	27	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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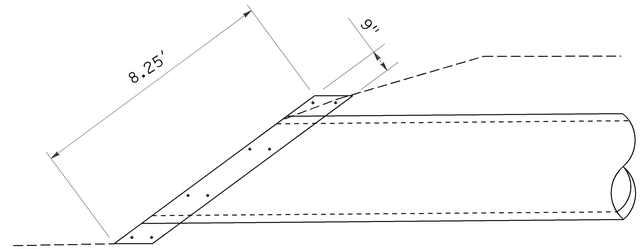
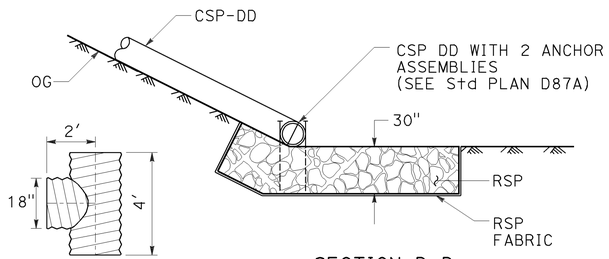
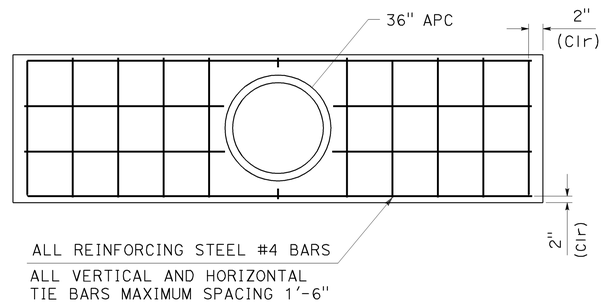


SECTION A-A



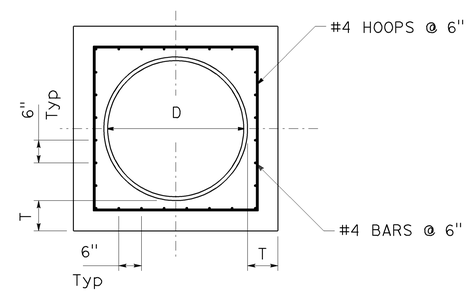
SECTION D-D



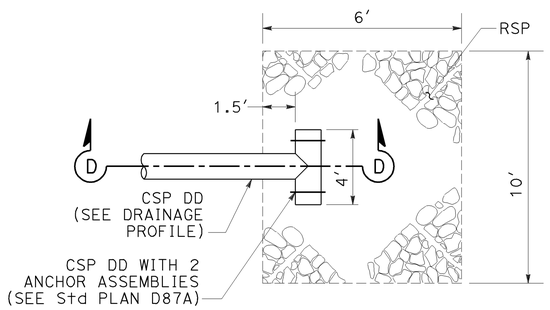
SECTION B-B

TABLE D

D	L (Min)	T (Min)
18	12	6
30	18	8



SECTION C-C



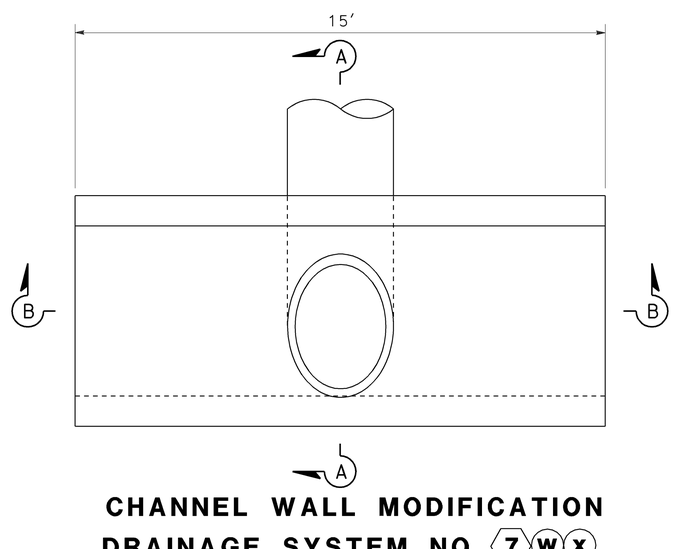
PLAN

(SEE NOTE BELOW)

DRAINAGE SYSTEMS 2c 3f

CSP DD T-DISSIPATOR

NOTE: FOR DIMENSIONS OF THE PIPE, SIZE & TYPE OF RSP, SEE THE DRAINAGE PROFILE.



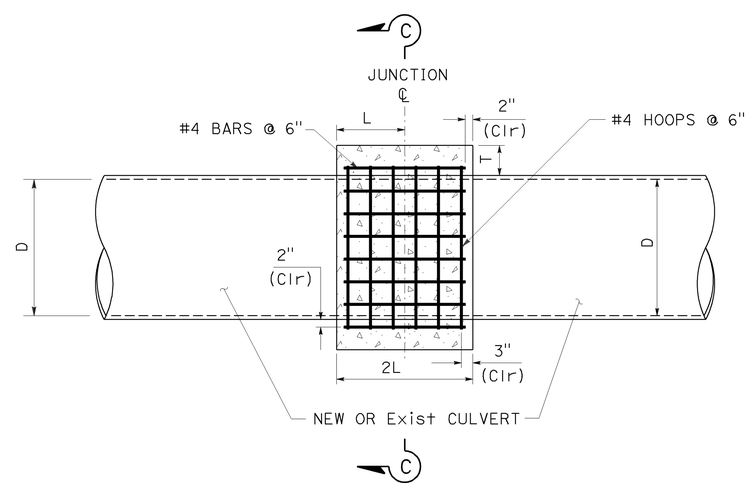
CHANNEL WALL MODIFICATION

DRAINAGE SYSTEM NO. 7wx

THIS PLAN ACCURATE FOR DRAINAGE CONSTRUCTION ONLY.

CONCRETE COLLAR NOTES:

1. JOIN PIPES AT INVERTS.
2. ALL DIMENSIONS FOR THE Conc COLLAR DETAILS ARE IN INCHES UNLESS OTHERWISE SHOWN.



CONCRETE COLLAR PLAN

DRAINAGE SYSTEM No. 6h

(0°, 18" APC)

DRAINAGE SYSTEM No. 7f

(11°, 30" RCP)

DRAINAGE DETAILS

NO SCALE **DD-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN
FUNCTIONAL SUPERVISOR J.R.PERANO
CALCULATED-DESIGNED BY A. WOLFRAM
CHECKED BY M. TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:54

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	28	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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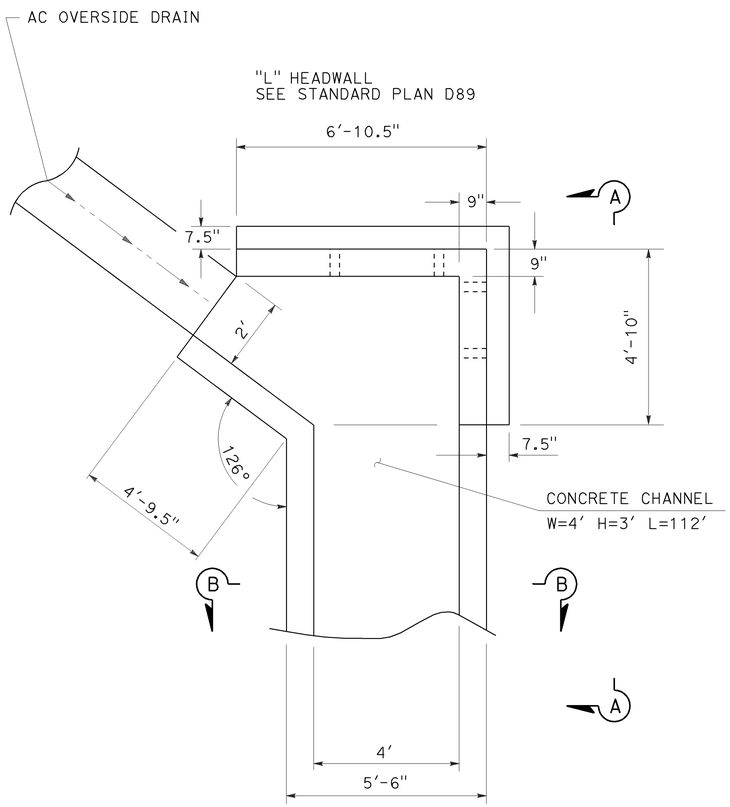
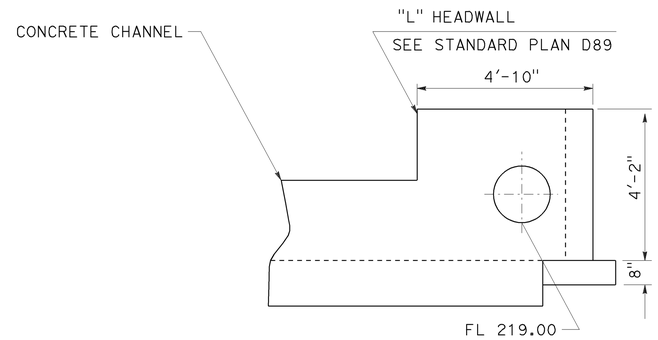
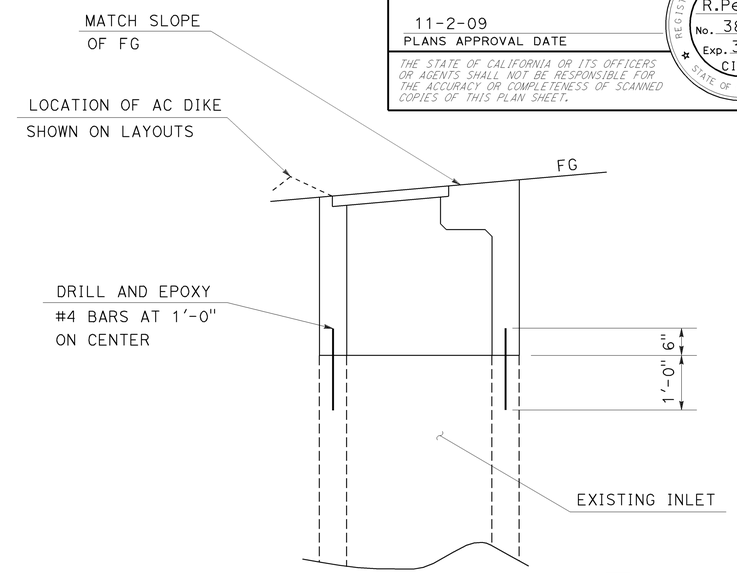


PLAN VIEW



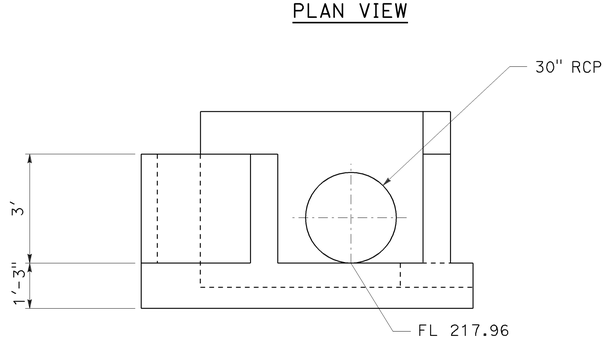
VIEW A-A



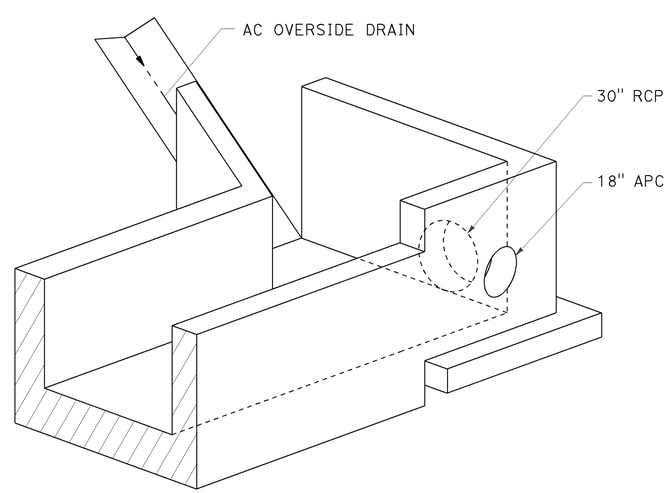
DRAINAGE SYSTEM No. 1 a / 7 i

ADJUST INLET TO GRADE

FOR DIMENSIONS AND BAR REINFORCING
NOT SHOWN SEE Std PLAN D73



ELEVATION



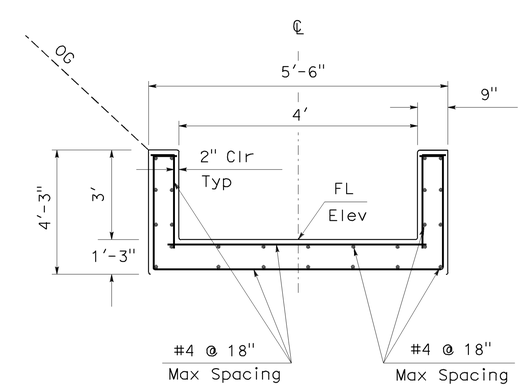
NOTE: 18" APC AND 30" RCP NOT SHOWN FOR CLARITY

ISOMETRIC VIEW

DRAINAGE SYSTEM No. 7 a

CONCRETE CHANNEL

THIS PLAN ACCURATE FOR DRAINAGE CONSTRUCTION ONLY.



SECTION B-B

52+25 "SLO LOL" 149.53 Rt TO
52+44 "SLO LOL" 260.18 Rt

DRAINAGE DETAILS

NO SCALE **DD-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: A. WOLFRAM
CHECKED BY: M. TOWNE
REVISED BY: 03-10-09
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:54

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	29	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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NOTES:

1. INTERIOR OF PIPES TO BE SMOOTH.
2. UNLESS OTHERWISE SPECIFIED ALL PIPE JOINTS SHALL BE WATERTIGHT.

APC ALLOWABLE PIPE MATERIAL

TYPE	MINIMUM THICKNESS/CLASS
PLASTIC	SEE STANDARD Spec
RCP	SEE STANDARD Spec

DRAINAGE QUANTITIES

DRAINAGE SYSTEM ⬡	DRAINAGE UNIT ○	ABANDON CULVERT	REMOVE OVERSIDE DRAIN	REMOVE PIPE	REMOVE INLET	REMOVE HEADWALL	REMOVE CONCRETE	ADJUST INLET	CAP INLET	PLACE ASPHALT CONCRETE (MISCELLANEOUS AREA)	MINOR CONCRETE (MINOR STRUCTURE)	24-13 GRATE (N)	18" APC	24" APC	36" APC	18" RCP	30" RCP	18" CSP DD (0.64" THICK)	18" CSP TEE	36" RCP RISER	ROCK SLOPE PROTECTION (BACKING No. 2 METHOD B)	ROCK SLOPE PROTECTION (FABRIC)	SAND BACKFILL (N)	MINOR CONCRETE, CHANNEL LINING	MISC IRON AND STEEL	HEIGHT OF INLET (N)	DESCRIPTION	STATION	DRAINAGE PLAN SHEET No.	DRAINAGE SYSTEM ⬡	DRAINAGE UNIT ○
		EA	EA	LF	EA	EA	CY	EA	EA	CY	CY	EA	LF	LF	LF	LF	LF	LF	EA	LF	TON	SQYD	CY	LB	LB	FT					
1	a							1																			ADJUST INLET	10+95	D-1	1	a
2	a																	52.3									18" CSD DD 58.47 Rt " SLO LOL"	36+03.73 TO 36+04.00	D-2	2	a
	b																		1								18" CSP TEE	36+04.00	↑		b
	c																				12.5	7					RSP	36+04.00			c
3	a										1.19	1													188	4.07	G1 DI 56.500 Lt "LOL"	36+71.59		3	a
	b												7.0														18" APC	36+71.59 TO 36+78.59			b
	c										1.23	1													188	4.27	G4 DI 56.500 Lt "SLO LOL"	36+78.59			c
	d																	75.5									18" CSP DD 56.50 Rt "SLO LOL"	36+78.59 TO 36+03.73			d
	e																		1								18" CSP TEE "BP LOL"	36+03.73			e
	f																				12.5	7					RSP "BP LOL"	36+03.73			f
4	a								1																		CAP INLET "BP LOL"	37+00.00		4	a
	b	1																									ABANDON CULVERT	37+00.00			b
	c																						10				SAND BACKFILL	37+00.00			c
5	a										1.72														100		HEADWALL "BP LOL"	38+48.76		5	a
	b													87.3													24" APC	37+70 TO 38+49			b
	c										1.72														100		HEADWALL "BP LOL"	37+69.73	↓		c
	d																				12.5	7					RSP	37+69.73	D-2		d
6	a										1.16	1													188	3.93	G1 DI 4.083 Rt "SLO LOL"	49+52.00	D-3	6	a
	b												21.6														18" APC	49+26.88 TO 49+52.00	↑		b
	c										1.18	1													188	4.02	G1 DI 4.083 Rt "SLO LOL"	49+26.88			c
	d												21.9														18" APC	49+26.88 TO 49+02.00			d
	e										1.20	1													188	4.14	G1 DI 4.083 Rt "SLO LOL"	49+02.00			e
	f												100.6														18" APC	49+02.00 TO 47+99.92			f
	g										1.71	1													188	4.72	G4 DI 4.083 Rt "SLO LOL"	47+99.92			g
	h															6											CONCRETE COLLAR	47+99.92			h
	i				1																						REMOVE INLET	47+99.92			i
	j										7.27	2													523	11.51	GT4 DI 55.377 Lt "SLO LOL"	47+99.92			j
	k								1																		CAP INLET	47+99.92	↓		k
	l		1																								REMOVE AC OVERSIDE DRAIN	48+00.00	D-3		l
SHEET TOTAL		1	1		1			1	2		18.34	8	151.1	87.3		6		127.8	2		37.5	21	10		1851						

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

DRAINAGE QUANTITIES
DQ-1

REVISED BY | DATE REVISED
A. WOLFRAM | M. TOWNE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: J.R.PERANO
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

LAST REVISION 08-12-09 | DATE PLOTTED => 15-DEC-2009 | TIME PLOTTED => 08:54

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	30	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 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. INTERIOR OF PIPES TO BE SMOOTH.
2. UNLESS OTHERWISE SPECIFIED ALL PIPE JOINTS SHALL BE WATERTIGHT.

APC ALLOWABLE PIPE MATERIAL

TYPE	MINIMUM THICKNESS/CLASS
PLASTIC	SEE STANDARD Spec
RCP	SEE STANDARD Spec

DRAINAGE QUANTITIES

DRAINAGE SYSTEM ⬡	DRAINAGE UNIT ○	ABANDON CULVERT (EA)	REMOVE OVERSIDE DRAIN (EA)	REMOVE PIPE (LF)	REMOVE INLET (EA)	REMOVE HEADWALL (EA)	REMOVE CONCRETE (CY)	ADJUST INLET (EA)	CAP INLET (EA)	PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) (SY)	MINOR CONCRETE (MINOR STRUCTURE) (CY)	24-13 GRATE (N) (EA)	18" APC (LF)	24" APC (LF)	36" APC (LF)	18" RCP (LF)	30" RCP (LF)	18" CSP DD (0.64" THICK) (LF)	18" CSP TEE (EA)	36" RCP RISER (LF)	ROCK SLOPE PROTECTION (BACKING No. 2 METHOD B) (TON)	ROCK SLOPE PROTECTION (FABRIC) (SQYD)	SAND BACKFILL (N) (CY)	MINOR CONCRETE, CHANNEL LINING (LB)	MISC IRON AND STEEL (LB)	HEIGHT OF INLET (N) (FT)	DESCRIPTION	STATION	DRAINAGE PLAN SHEET No.	DRAINAGE SYSTEM ⬡	DRAINAGE UNIT ○
7	a																							55.00	2217		CONCRETE CHANNEL 149.53 TO 260.18 Rt "SLO LOL"	52+25	D-3	7	a
	b										1.80														110		HEADWALL 149.53 Rt "LOL"	52+25			b
	c					1																					REMOVE HEADWALL 147.40 Rt "SLO LOL"	52+25			c
	d										1.74														174	4.19	G1 DI 164.45 Rt "LOL"	52+60			d
	e												33.2														18" APC 149.53 TO 164.45 Rt "SLO LOL"	52+25 TO 52+60			e
	f																3.2										CONCRETE COLLAR 30" RCP	52+25			f
	g									80																	HOT MIX ASPHALT OVERSIDE DRAIN	52+25			g
	h		1																								REMOVE AC OVERSIDE DRAIN	52+20			h
	i							1																			ADJUST INLET TO GRADE	52+20			i
	j										1.73	1													188	4.79	G2 DI 56.20 Lt "SLO LOL"	52+25			j
	k										1.65														174	3.37	G4 DI 86.60 Lt "SLO LOL"	52+25			k
	l												48.2														18" APC 86.00 TO 101.14 Lt "SLO LOL"	52+80			l
	m									17																	HOT MIX ASPHALT OVERSIDE DRAIN	52+25 TO 52+80			m
	n														48.4												36" APC 101.14 TO 153.03 Lt "SLO LOL"	52+10			n
	o			50																							REMOVE PIPE	52+25			o
	p									62																	HOT MIX ASPHALT OVERSIDE DRAIN	52+25			p
	q										1.65	1													188	4.46	G2 DI 56.50 Lt "SLO LOL"	52+10			q
	r					1																					REMOVE HEADWALL	52+25			r
	s										1.49														215	2.02	G2 DI 56.50 Lt "SLO LOL"	52+60			s
	t																			1.50							36" RCP RISER	52+60			t
	u			70																							REMOVE PIPE	52+60			u
	v														122.2												36" APC 153.03 TO 167.32 Lt "SLO LOL"	52+25 TO 53+50			v
	w						3.4																				REMOVE CONCRETE HEADWALL	53+60			w
	x										3.44														114		CONCRETE CHANNEL HEADWALL	53+60			x
	y			9																							REMOVE PIPE	52+64			y
	z		1																								REMOVE AC OVERSIDE DRAIN	52+25	D-3		z
SUBTOTAL			2	129		2	3.4	1		159	13.50	2	81.4		170.6		3.2							55.00	3380						
DQ-1 TOTAL		1	1		1			1	2		18.34	8	151.1	87.3		6		127.8	2		37.5	21	10		1851						
TOTAL		1	3	129	1	2	3.4	2	2	159	31.84	10	232.5	87.3	170.6	6	3.2	127.8	2	1.50	37.5	21	10	55.00	5231						

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

DRAINAGE QUANTITIES
DQ-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN
FUNCTIONAL SUPERVISOR J.R.PERANO
CALCULATED-DESIGNED BY A. WOLFRAM
CHECKED BY M. TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:54

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	31	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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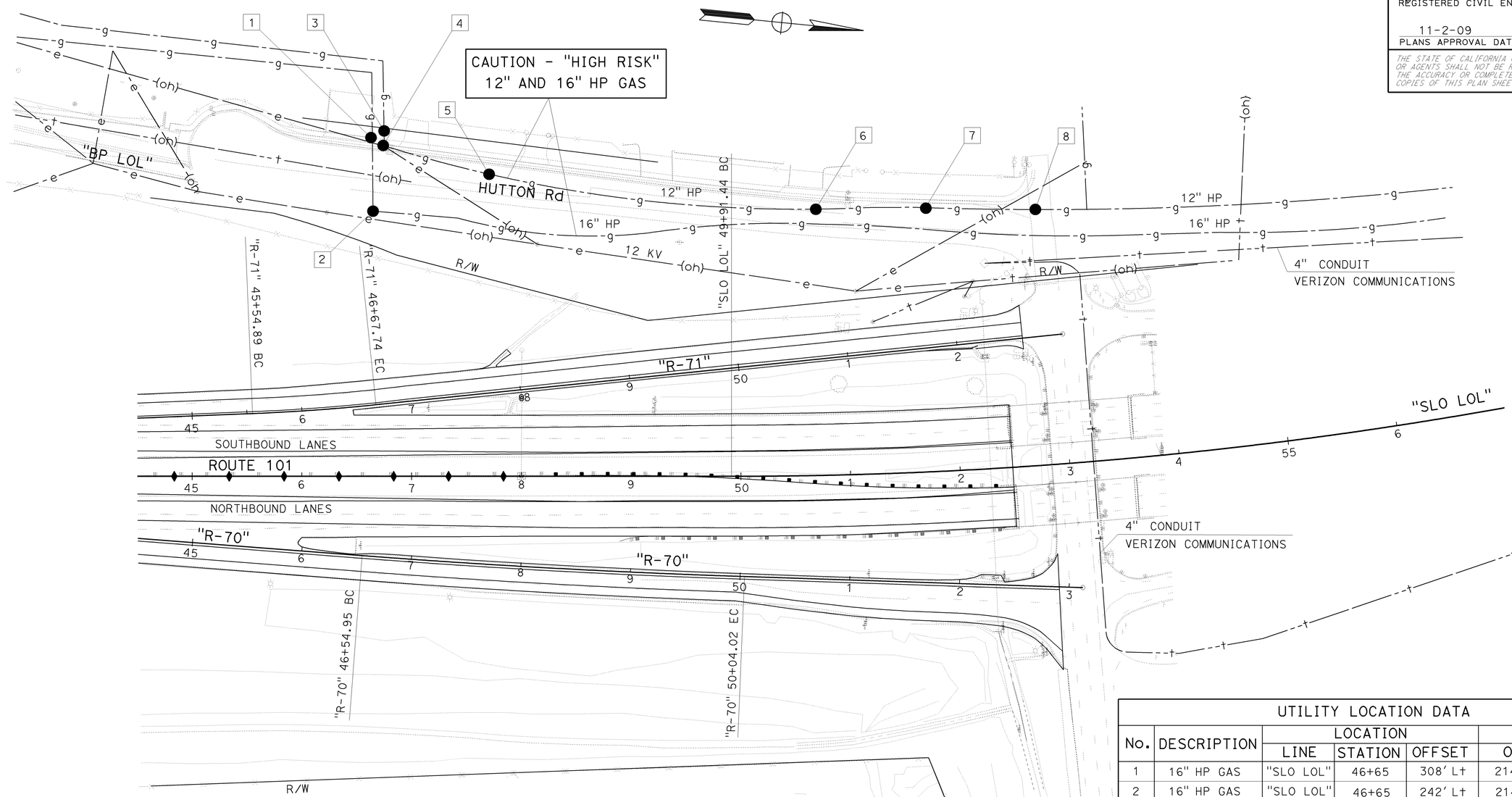


UTILITY LOCATION DATA						
No.	DESCRIPTION	LOCATION			ELEVATION	
		LINE	STATION	OFFSET	OG	TOP OF PIPE
1	16" HP GAS	"SLO LOL"	46+65	308' Lt	214.5	209.50
2	16" HP GAS	"SLO LOL"	46+65	242' Lt	214.5	210.25
3	12" HP GAS	"SLO LOL"	46+74	315' Lt	214.3	210.05
4	12" HP GAS	"SLO LOL"	46+75	302' Lt	214.4	210.32
5	12" HP GAS	"SLO LOL"	47+71	275' Lt	214.7	211.00
6	12" HP GAS	"SLO LOL"	50+68	243' Lt	215.3	211.55
7	12" HP GAS	"SLO LOL"	51+78	241' Lt	214.9	211.15
8	12" HP GAS	"SLO LOL"	52+84	233' Lt	214.9	211.15

LEGEND:

● POTHOLE LOCATION

UTILITY	SYMBOL	OWNERSHIP	
ELECTRIC	——-e——— ———-(oh)—	PG&E	PACIFIC GAS AND ELECTRIC
NATURAL GAS	——-g——— -———-g—	SCG	SOUTHERN CALIFORNIA GAS
TELEPHONE	——--t——— ———--t—	VZ	VERIZON COMMUNICATIONS

ABBREVIATIONS:

MP	MEDIUM PRESSURE
HP	HIGH PRESSURE
DIP	DUCTILE IRON PIPE

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY.

UTILITY PLAN

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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: M.TOWNE
CHECKED BY: C.GUBLER
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:55

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	32	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

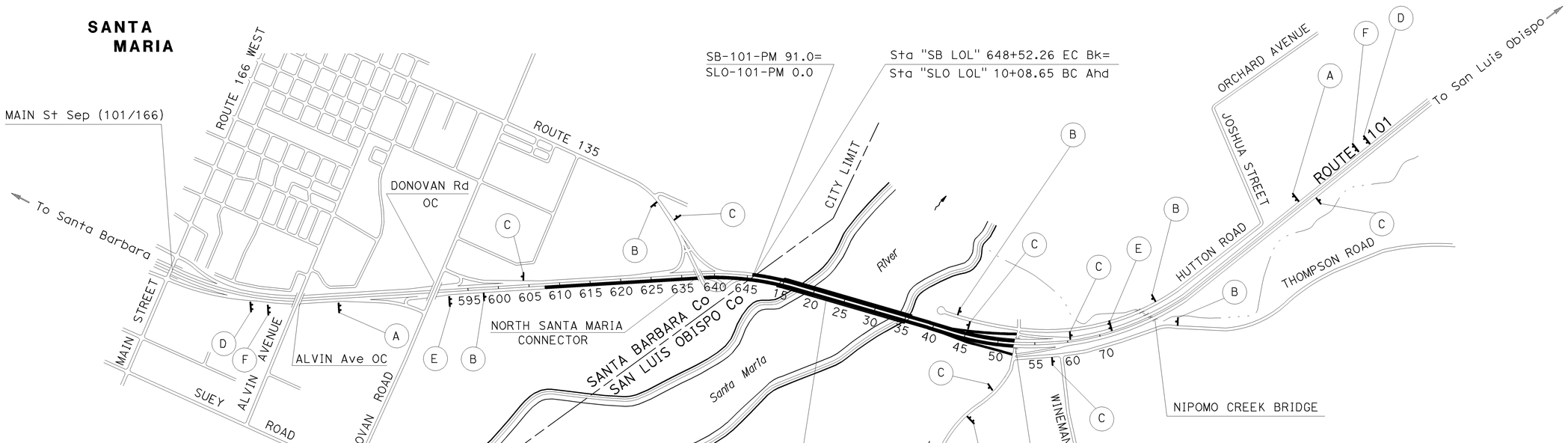
REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

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.

CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

SIGN No.	SIGN CODE	SIGN MESSAGE	PANEL SIZE (INCH)	No. OF POST AND SIZE (INCH)	No. OF SIGNS
A	W20-1	ROAD WORK AHEAD	60 x 60	2-5.5 x 5.5	3
B	W20-1	ROAD WORK AHEAD	48 x 48	1-3.5 x 5.5	5
C	G20-2	END ROAD WORK	36 x 18	1-3.5 x 5.5	7
D	CPFIS	PROJECT FUNDING	60 x 60	2-5.5 x 5.5	2
E	SR54(CA)	DOUBLE FINE ZONE	60 x 60	2-5.5 x 5.5	2
F	ARRA	ARRA FUNDING	120 x 108	2-5.5 x 7.5	2

NOTE: 1. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.



THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN ONLY.

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: JOE ERWIN
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09 | DATE PLOTTED => 15-DEC-2009 | TIME PLOTTED => 08:55

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	33	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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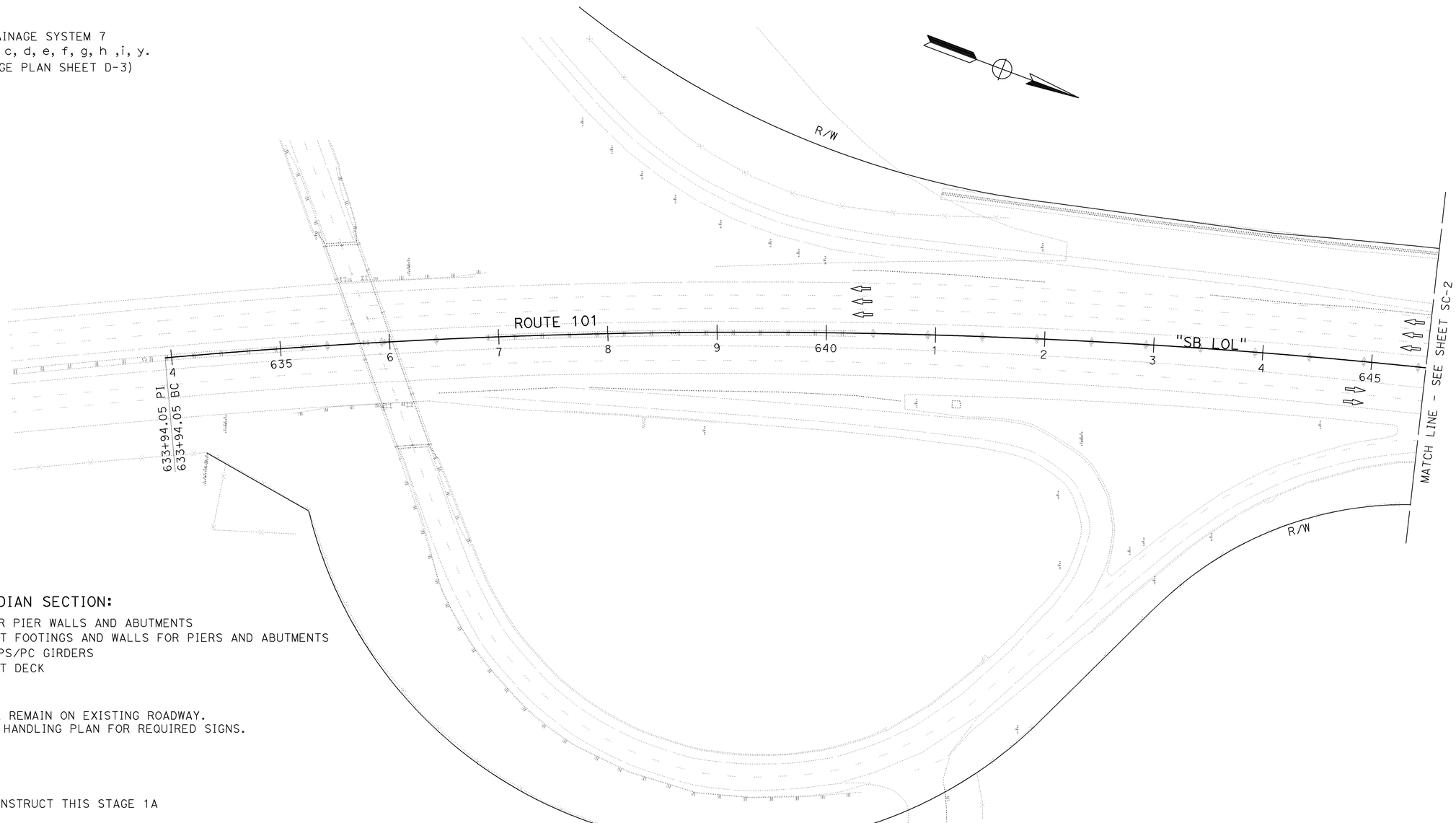
NOTES:

1. ALL TEMPORARY ROADWAYS ON ROUTE 101 PROVIDE A MINIMUM OF TWO 12 FOOT LANES IN EACH DIRECTION
2. CONTRACTOR SHALL COORDINATE ANY UTILITY RELOCATION WITH RESPECTIVE UTILITY OWNERS AT THE TIME OF CONSTRUCTION.
3. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

STAGE 1 CONSTRUCTION NOTE:

DRAINAGE:

1. INSTALL DRAINAGE SYSTEM 7 UNITS a, b, c, d, e, f, g, h ,i, y. (SEE DRAINAGE PLAN SHEET D-3)



BRIDGE MEDIAN SECTION:

1. PILES FOR PIER WALLS AND ABUTMENTS
2. CONSTRUCT FOOTINGS AND WALLS FOR PIERS AND ABUTMENTS
3. INSTALL PS/PC GIRDERS
4. CONSTRUCT DECK

TRAFFIC:

TRAFFIC WILL REMAIN ON EXISTING ROADWAY.
SEE TRAFFIC HANDLING PLAN FOR REQUIRED SIGNS.

LEGEND:

- CONSTRUCT THIS STAGE 1A
- CONSTRUCT THIS STAGE
- CONSTRUCTED PREVIOUS STAGE OR EXISTING
- DIRECTION OF TRAFFIC

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 1
STAGE CONSTRUCTION

SCALE: 1"=50'

SC-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: M TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:55

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	34	299

James R. Perano 8-12-09
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11-2-09
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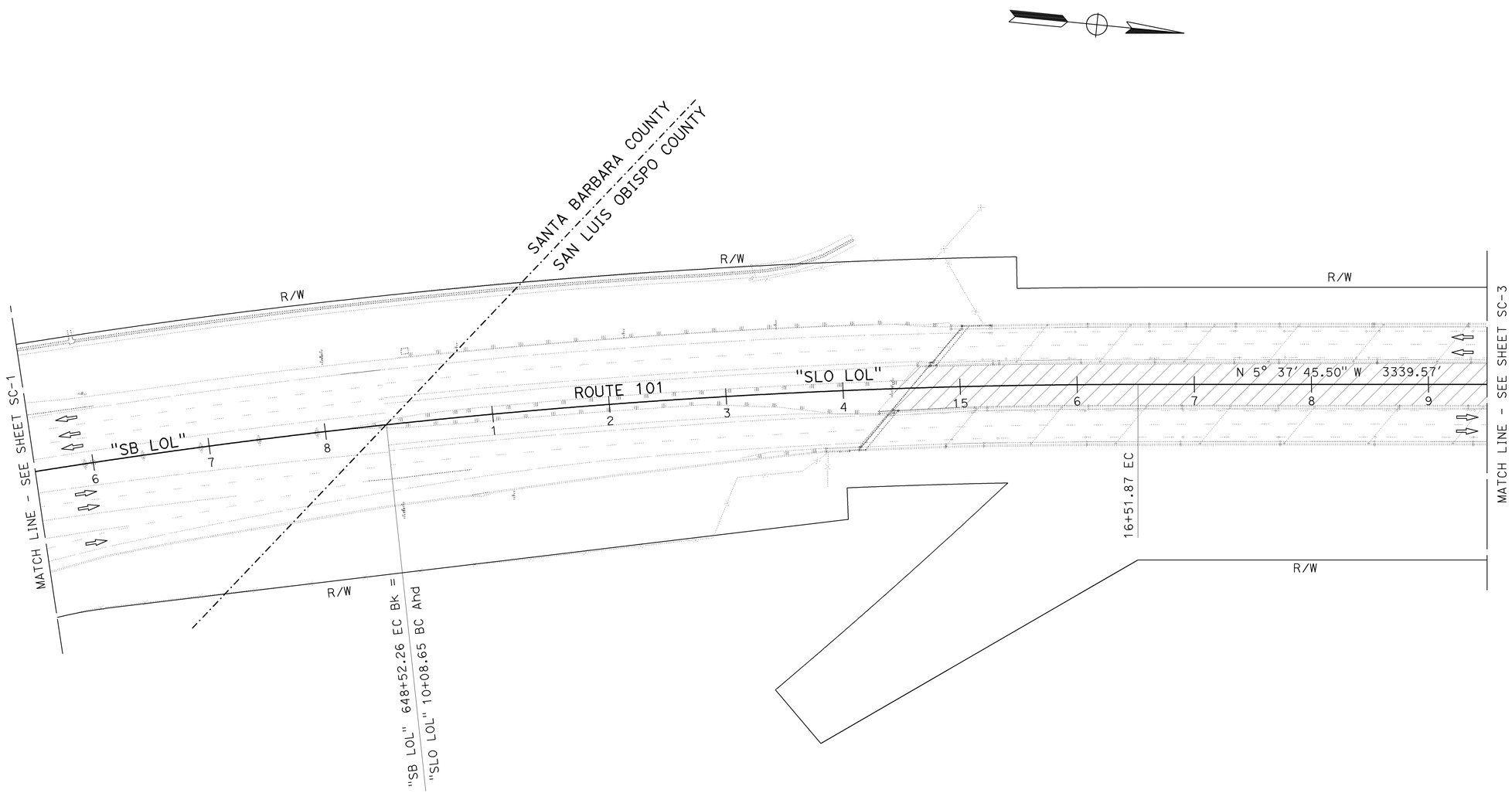

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 1
STAGE CONSTRUCTION
SCALE: 1"=50' **SC-2**

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

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: M TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09 DATE PLOTTED => 15-DEC-2009 TIME PLOTTED => 08:55

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	35	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
James R.Perano
No. 38617
Exp. 3-31-11
CIVIL
STATE OF CALIFORNIA

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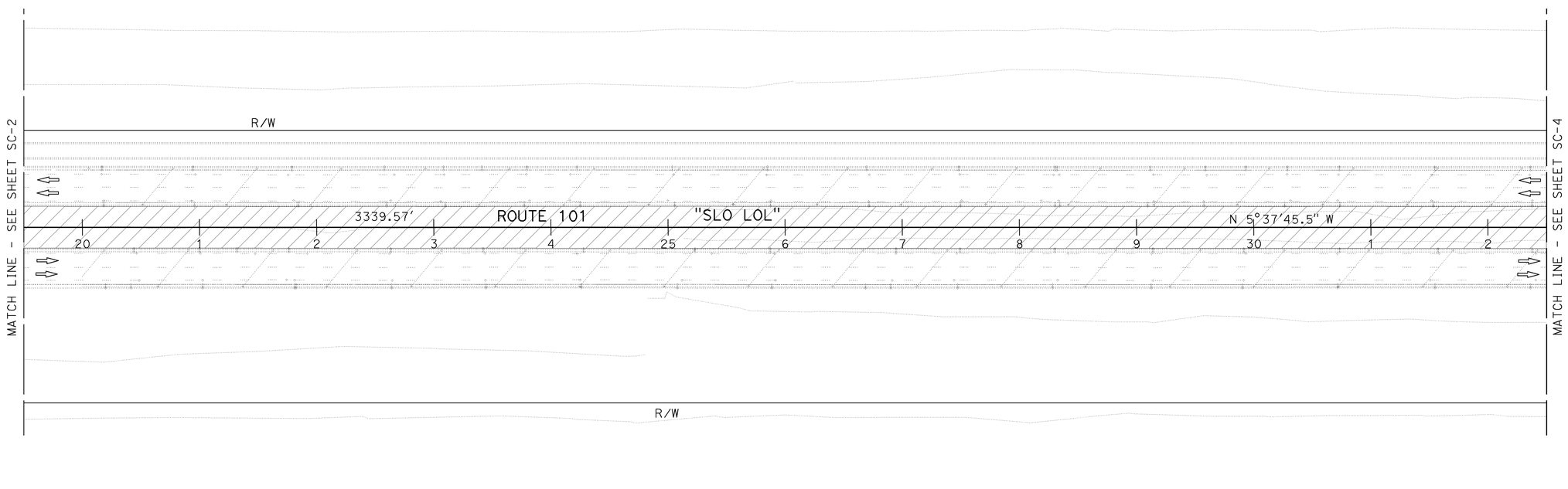

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 1
STAGE CONSTRUCTION

SCALE: 1"=50' **SC-3**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO

CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: MILT TOWNE

REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:55

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	36	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
James R.Perano
No. 38617
Exp. 3-31-11
CIVIL
STATE OF CALIFORNIA

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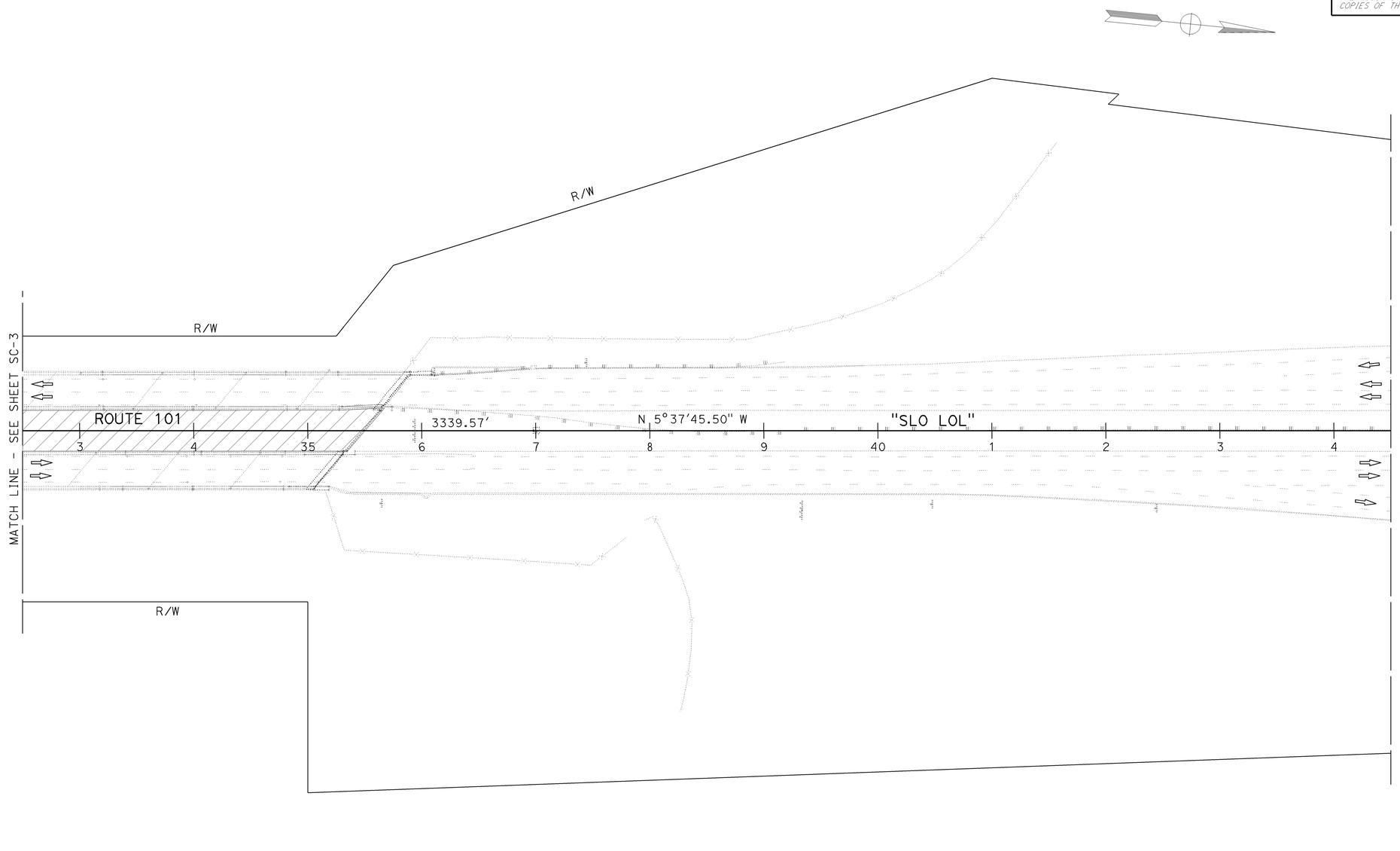

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 1
STAGE CONSTRUCTION

SCALE: 1"=50'

SC-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: MILT TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:55

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	37	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
James R.Perano
No. 38617
Exp. 3-31-11
CIVIL
STATE OF CALIFORNIA

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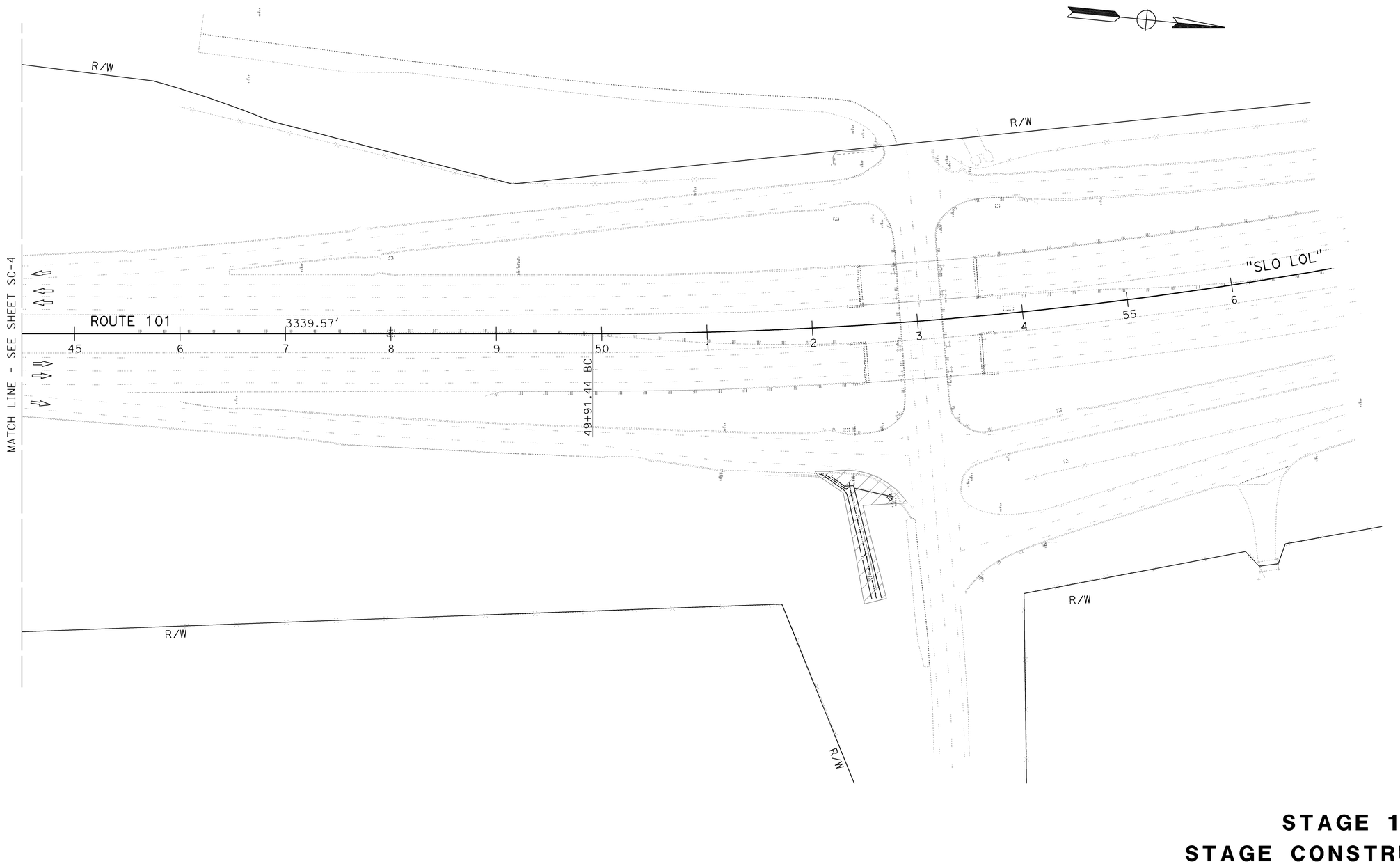

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 1
STAGE CONSTRUCTION
SCALE: 1"=50'

SC-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: MILT TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:55

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	38	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

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NOTES:

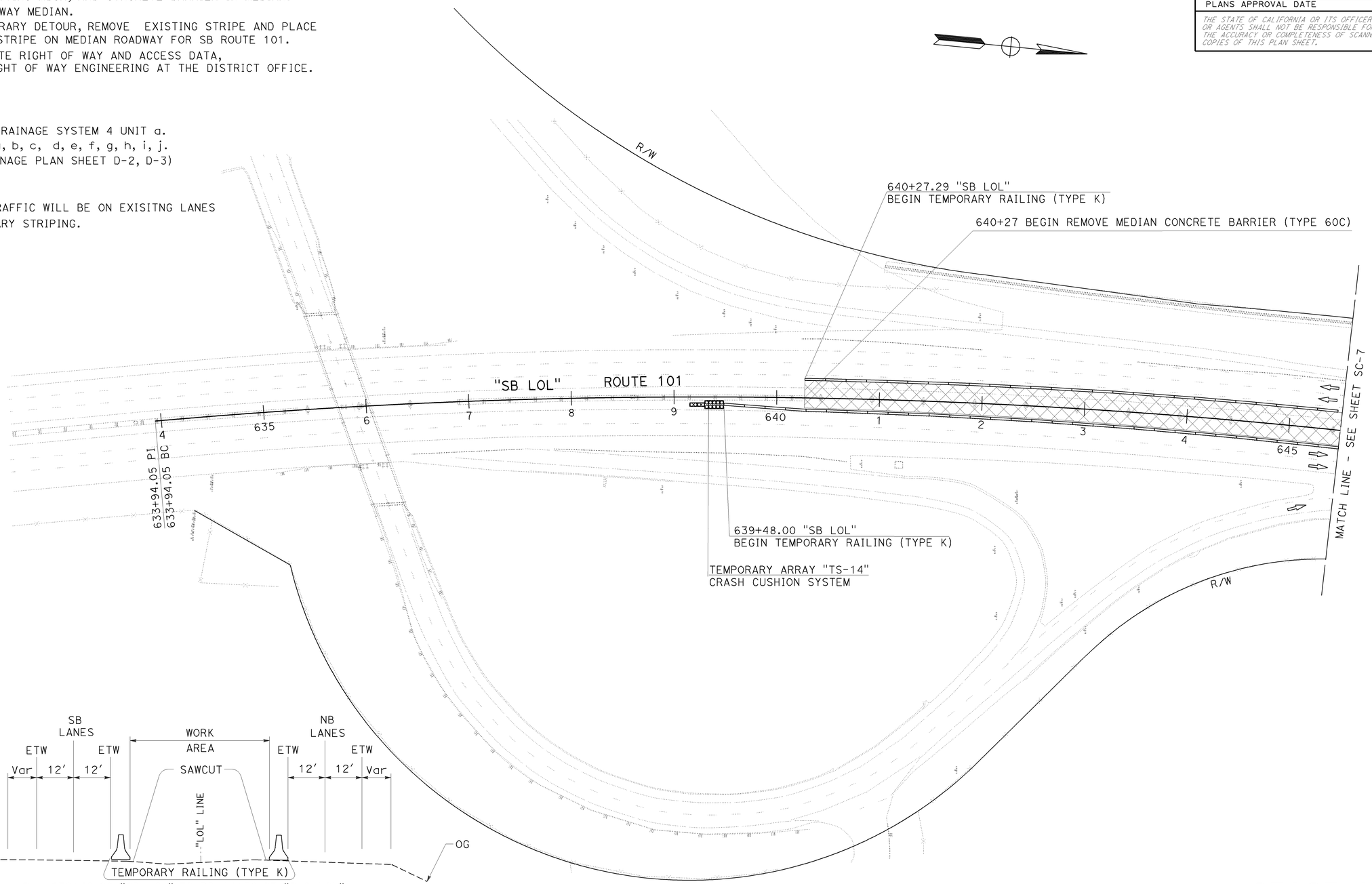
1. PLACE TEMPORARY RAILING (TYPE K).
2. LAST TEMPORARY RAILING (TYPE K) SECTION WILL BE PINNED OR SECURED AS DETERMINED BY THE ENGINEER.
3. REMOVE EXISTING MBGR, AND CONCRETE BARRIER IN MEDIAN.
4. GRADE ROADWAY MEDIAN.
5. PAVE TEMPORARY DETOUR, REMOVE EXISTING STRIPE AND PLACE TEMPORARY STRIPE ON MEDIAN ROADWAY FOR SB ROUTE 101.
6. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

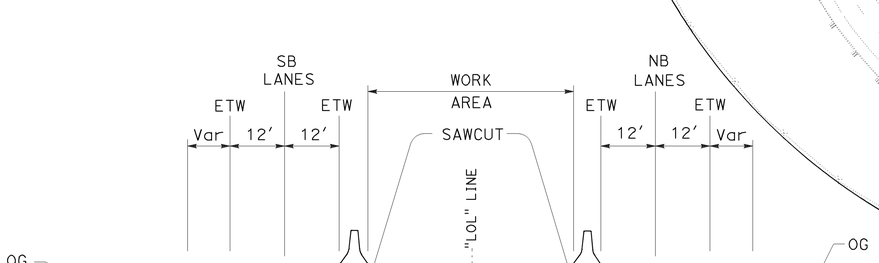
DRAINAGE:

1. INSTALL DRAINAGE SYSTEM 4 UNIT a.
   6 UNITS a, b, c, d, e, f, g, h, i, j.
   (SEE DRAINAGE PLAN SHEET D-2, D-3)

TRAFFIC:

NB AND SB TRAFFIC WILL BE ON EXISITNG LANES WITH TEMPORARY STRIPING.





Sta 639+48.00 "SB LOL" TO BB 14+58.23 "SLO LOL"

TEMPORARY RAILING (TYPE K) PLACEMENT

TYPICAL CROSS SECTION

NO SCALE

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 1A
STAGE CONSTRUCTION

SCALE: 1"=50'

SC-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: MILT TOWNE
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 15-DEC-2009
08-12-09 TIME PLOTTED => 08:55

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	39	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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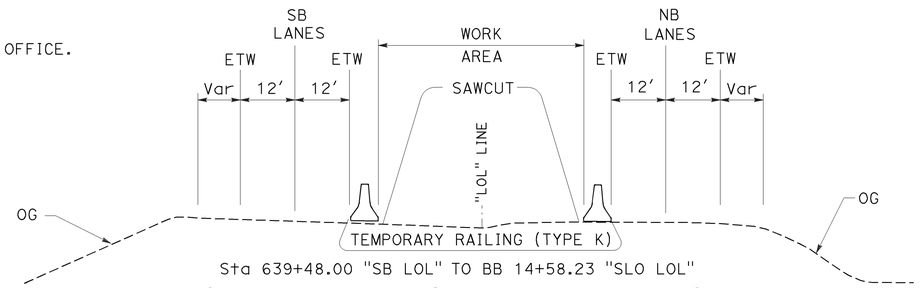
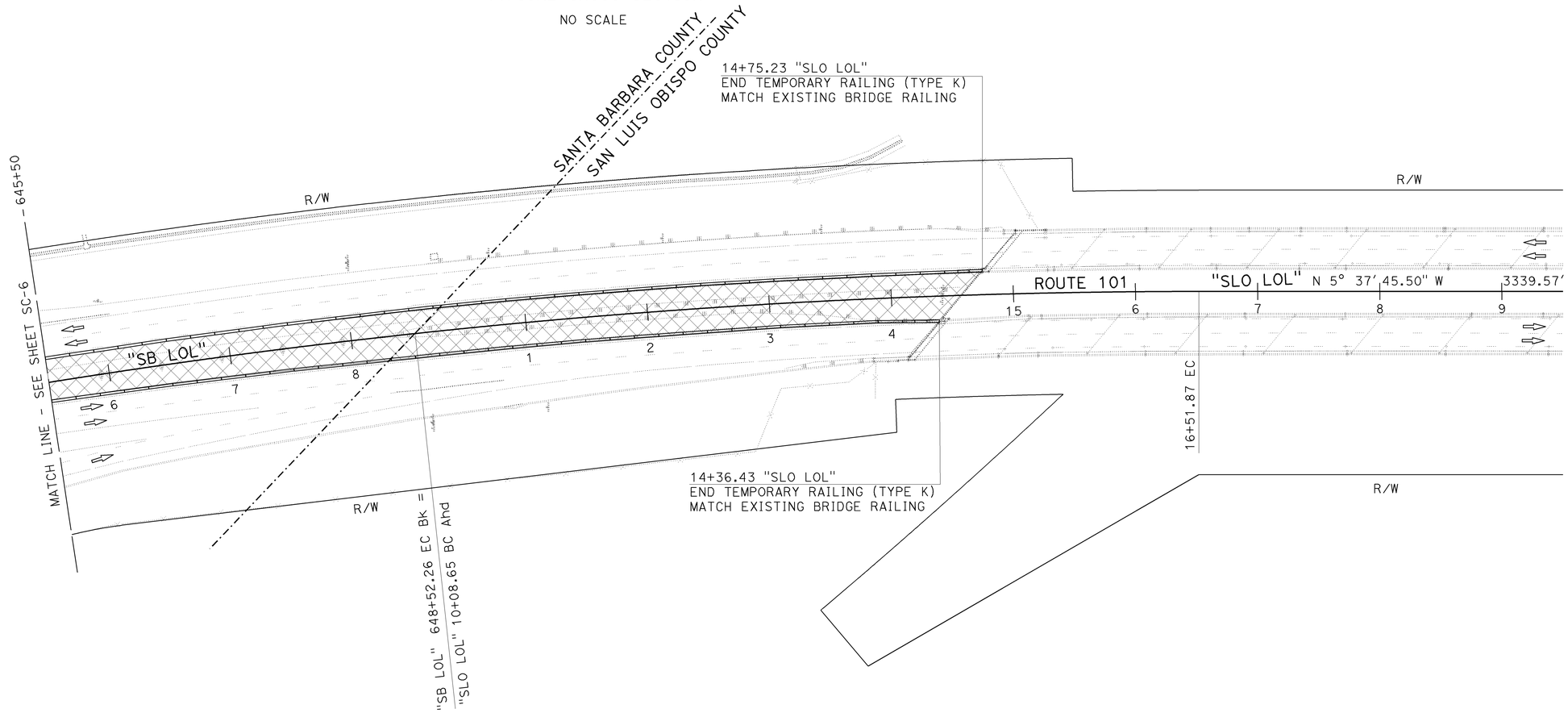


Sta 639+48.00 "SB LOL" TO BB 14+58.23 "SLO LOL"

TEMPORARY RAILING (TYPE K) PLACEMENT

TYPICAL CROSS SECTION

NO SCALE



THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 1A
STAGE CONSTRUCTION

SCALE: 1"=50′ **SC-7**

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

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: MILT TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:55

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	40	299

James R. Perano 8-12-09
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11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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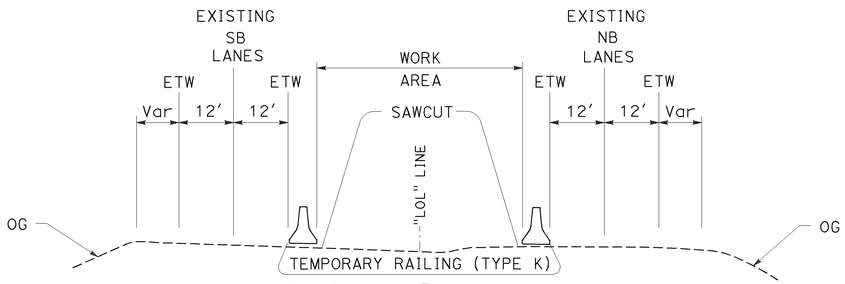
NOTE:

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

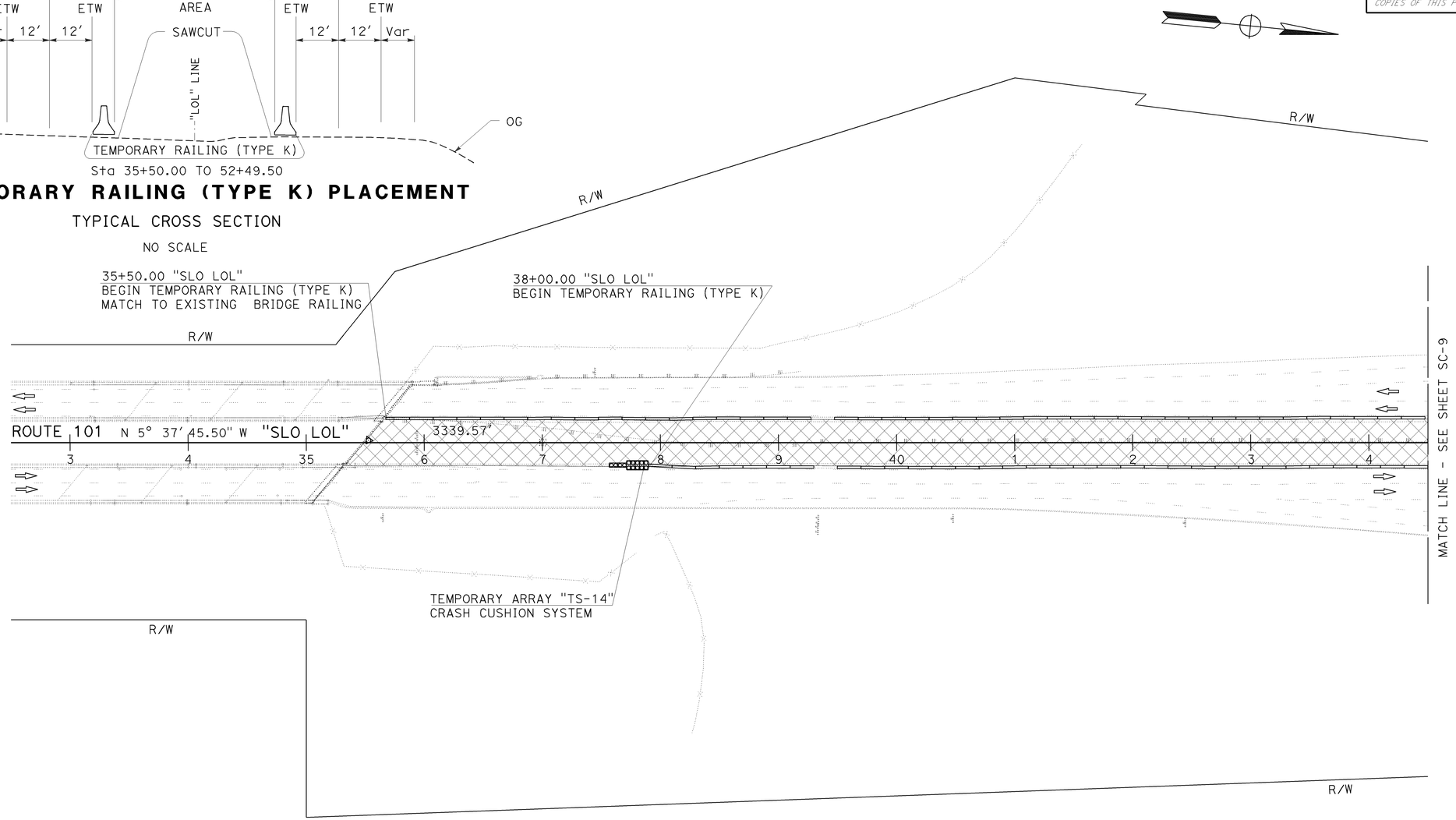


Sta 35+50.00 TO 52+49.50

TEMPORARY RAILING (TYPE K) PLACEMENT

TYPICAL CROSS SECTION

NO SCALE



THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 1A
STAGE CONSTRUCTION

SCALE: 1"=50′ **SC-8**

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

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: MILT TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:55

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	41	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

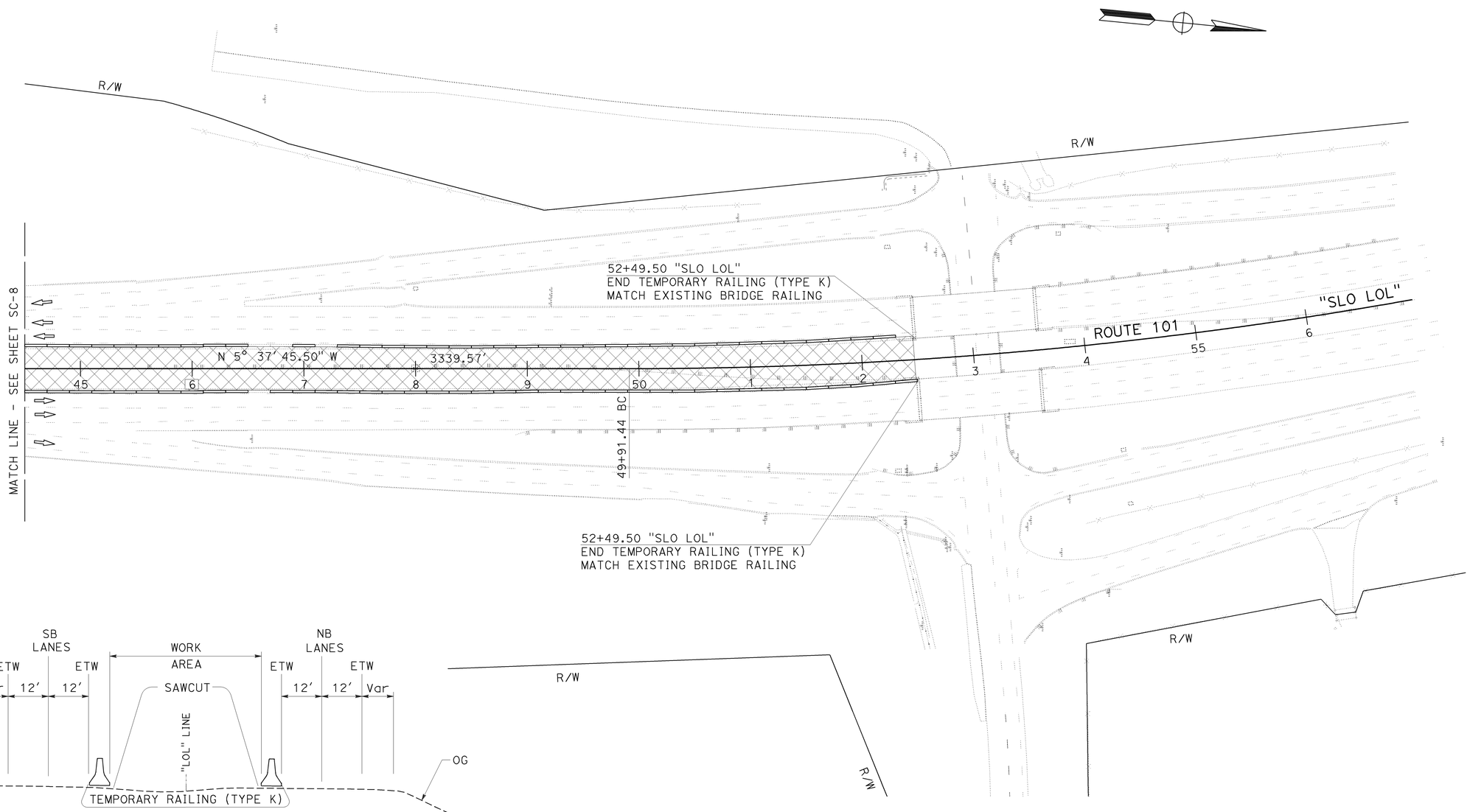
11-2-09
PLANS APPROVAL DATE

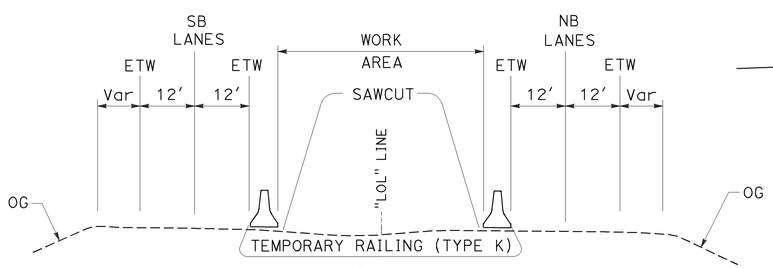
REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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





Sta 35+50.00 TO 52+49.50

TEMPORARY RAILING (TYPE K) PLACEMENT

TYPICAL CROSS SECTION

NO SCALE

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 1A
STAGE CONSTRUCTION

SCALE: 1"=50'

SC-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: MILT TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:55

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	42	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 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. ALL TEMPORARY ROADWAYS ON ROUTE 101 PROVIDE A MINIMUM OF TWO 12.00 Ft LANES IN EACH DIRECTION
2. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

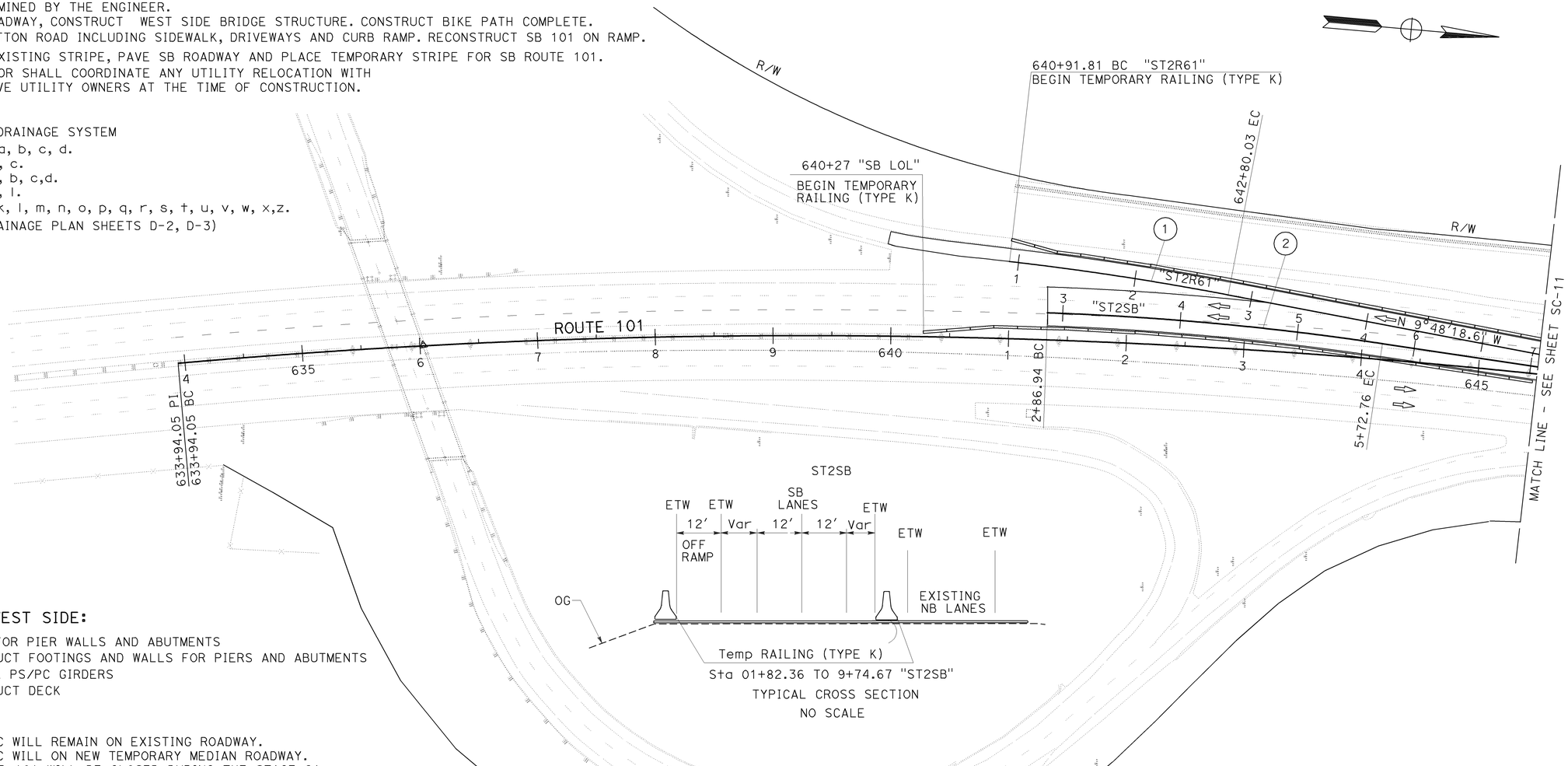
CURVE DATA				
No.	R	Δ	T	L
1	2500.005′	4°18′49.300"	94.155′	188.221′
2	2499.998′	6°33′1.540"	143.064′	285.816′

STAGE 2 CONSTRUCTION NOTES:

1. REMOVE EXISTING Conc BARRIER (TYPE 60C AND TYPE 60E).
2. PLACE TEMPORARY RAILING (TYPE K) AT THE NORTH AND SOUTH ENDS. FOR DIVERSION OF SB TRAFFIC ON TO TEMPORARY MEDIAN ROADWAY.
3. LAST TEMPORARY RAILING (TYPE K) SECTION WILL BE PINNED OR SECURED AS DETERMINED BY THE ENGINEER.
4. GRADE ROADWAY, CONSTRUCT WEST SIDE BRIDGE STRUCTURE. CONSTRUCT BIKE PATH COMPLETE. WIDEN HUTTON ROAD INCLUDING SIDEWALK, DRIVEWAYS AND CURB RAMP. RECONSTRUCT SB 101 ON RAMP.
5. REMOVE EXISTING STRIPE, PAVE SB ROADWAY AND PLACE TEMPORARY STRIPE FOR SB ROUTE 101.
6. CONTRACTOR SHALL COORDINATE ANY UTILITY RELOCATION WITH RESPECTIVE UTILITY OWNERS AT THE TIME OF CONSTRUCTION.

DRAINAGE:

1. INSTALL DRAINAGE SYSTEM
   3 UNITS a, b, c, d.
   4 UNIT b, c.
   5 UNIT a, b, c,d.
   6 UNIT k, l.
   7 UNITS k, l, m, n, o, p, q, r, s, t, u, v, w, x,z.
   (SEE DRAINAGE PLAN SHEETS D-2, D-3)



BRIDGE WEST SIDE:

1. PILES FOR PIER WALLS AND ABUTMENTS
2. CONSTRUCT FOOTINGS AND WALLS FOR PIERS AND ABUTMENTS
3. INSTALL PS/PC GIRDERS
4. CONSTRUCT DECK

TRAFFIC:

NB TRAFFIC WILL REMAIN ON EXISTING ROADWAY.
SB TRAFFIC WILL ON NEW TEMPORARY MEDIAN ROADWAY.
SB ON RAMP 101 WILL BE CLOSED DURING THE STAGE 2A.
SEE TRAFFIC HANDLING PLAN FOR REQUIRED SIGNS.

LEGEND:

- CONSTRUCT STAGE 2A ON RAMP
- CONSTRUCT THIS STAGE
- CONSTRUCTED PREVIOUS STAGE OR EXISTING
- DIRECTION OF TRAFFIC

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 2
STAGE CONSTRUCTION

SCALE: 1"=50′ **SC-10**

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
GURMIT GILL	MILT TOWNE

FUNCTIONAL SUPERVISOR: J.R.PERANO

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

LAST REVISION 08-12-09 | DATE PLOTTED => 15-DEC-2009 | TIME PLOTTED => 08:55

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	43	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

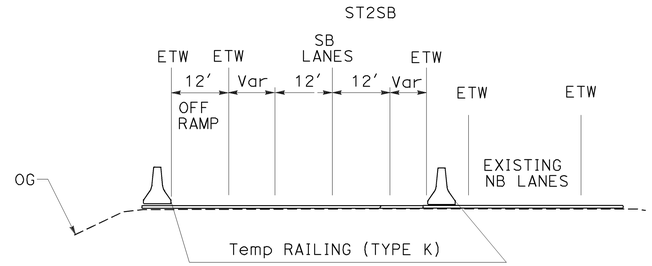
REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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.

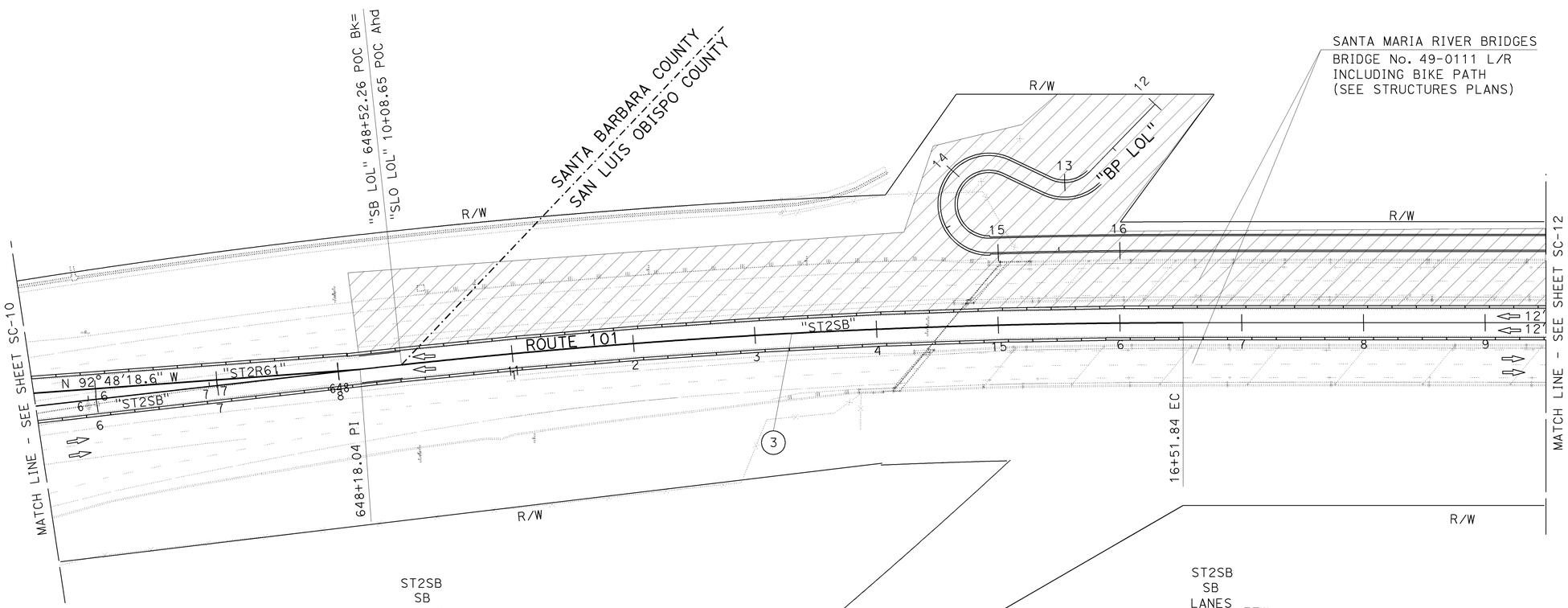
NOTE:

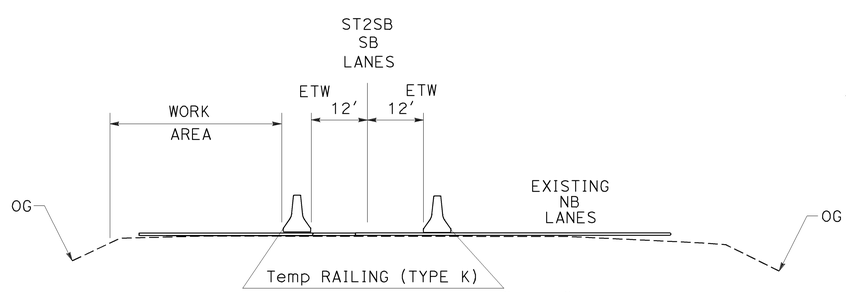
FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA				
No.	R	Δ	T	L
3	6000.088′	6°8′31.000″	321.905′	643.192′

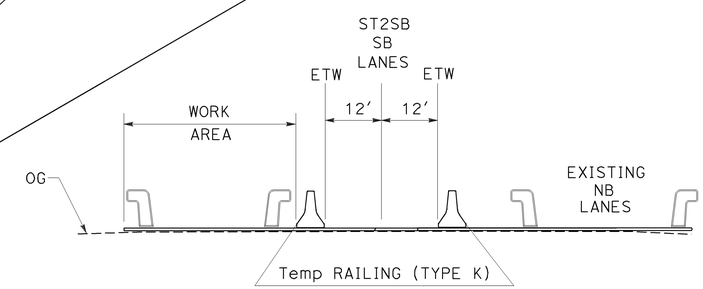


Sta 01+82.36 TO 9+74.67 "ST2SB"
TYPICAL CROSS SECTION
NO SCALE





Sta 9+74.67 TO BB 14+58.23 "ST2SB"
TYPICAL CROSS SECTION
NO SCALE



Sta BB 14+58.23 TO EB 35+48.58 "ST2SB"
TYPICAL BRIDGE CROSS SECTION
NO SCALE

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 2
STAGE CONSTRUCTION

SCALE: 1"=50′ **SC-11**

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

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: MILT TOWNE
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 15-DEC-2009
08-12-09 TIME PLOTTED => 08:56

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	44	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
James R.Perano
No. 38617
Exp. 3-31-11
CIVIL
STATE OF CALIFORNIA

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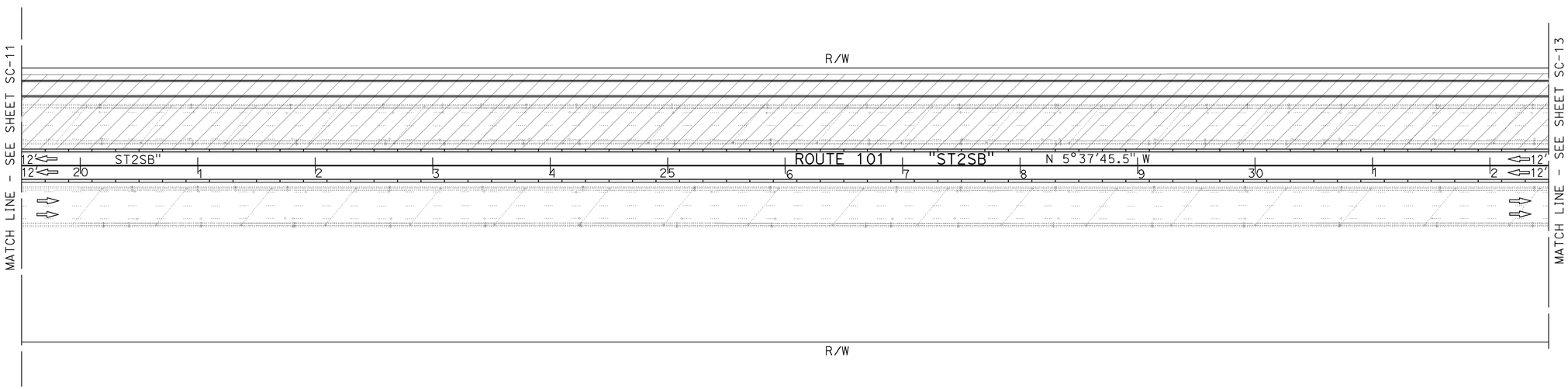
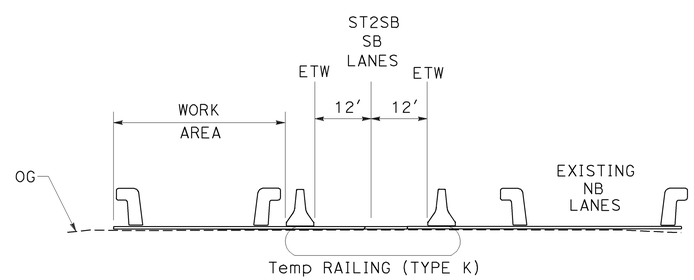
NOTE:

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





Sta BB 14+58.23 TO EB 35+48.58 "ST2SB"
TYPICAL BRIDGE CROSS SECTION
NO SCALE

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 2
STAGE CONSTRUCTION

SCALE: 1"=50'

SC-12

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: MILT TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:56

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	45	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

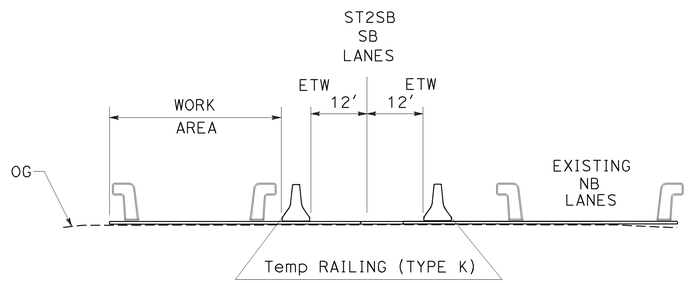
11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

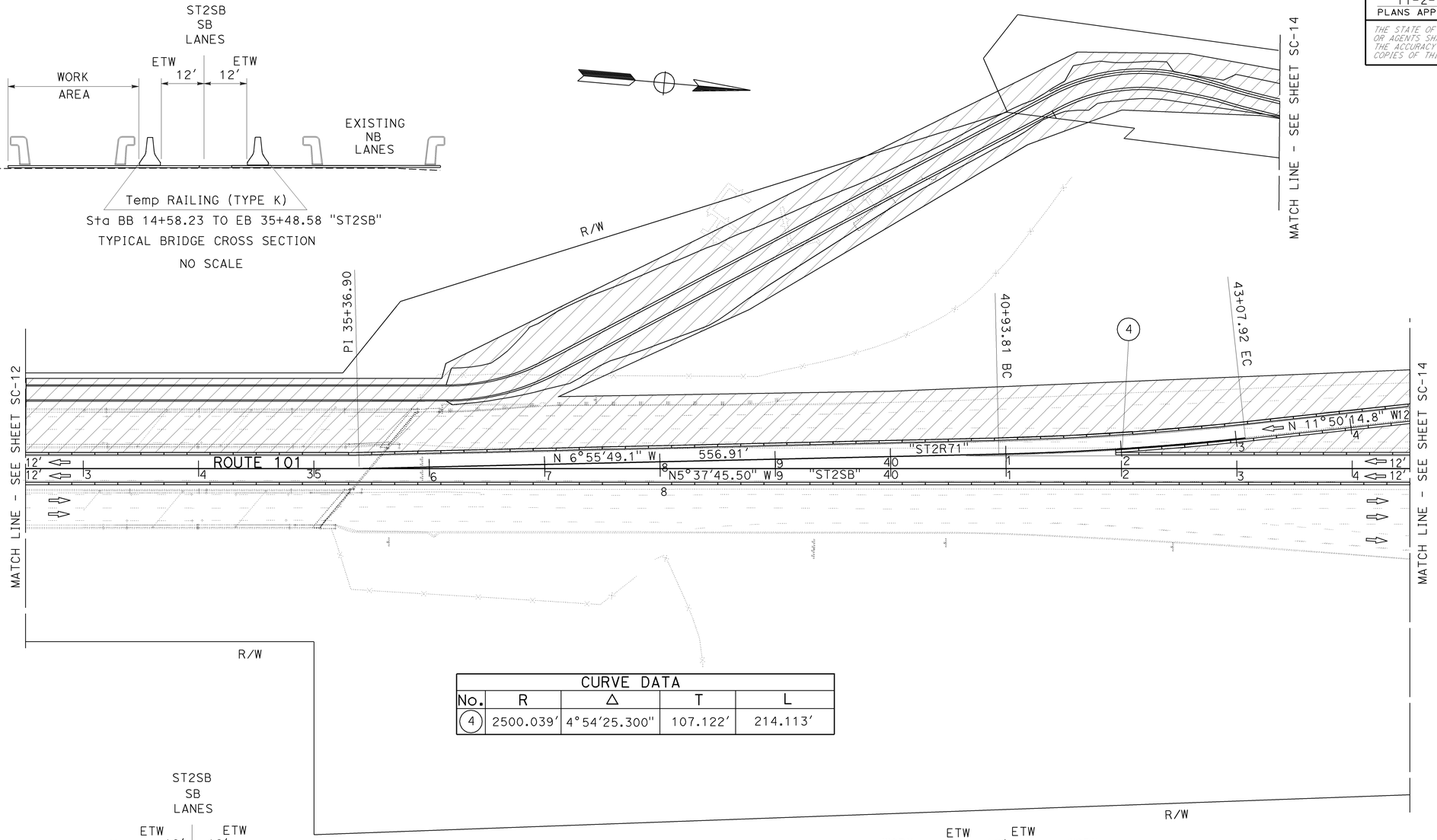
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

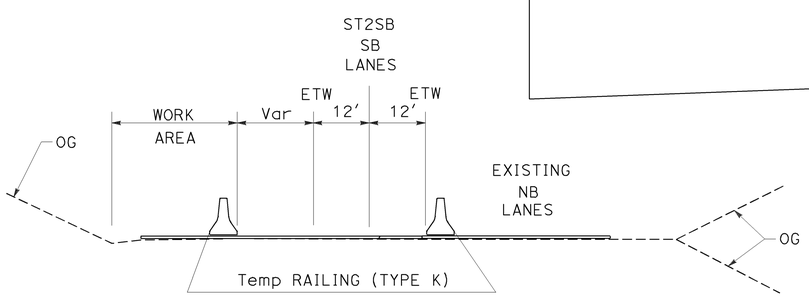
FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



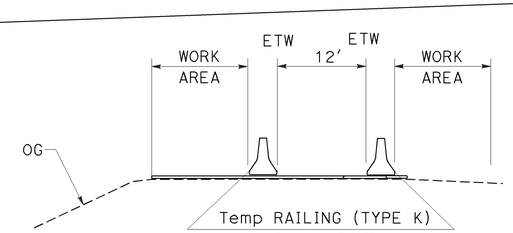
Sta BB 14+58.23 TO EB 35+48.58 "ST2SB"
TYPICAL BRIDGE CROSS SECTION
NO SCALE



CURVE DATA				
No.	R	Δ	T	L
4	2500.039'	4°54'25.300"	107.122'	214.113'



Sta 36+33.19 TO 41+98 "ST2SB"
TYPICAL CROSS SECTION
NO SCALE



SB ON RAMP
TYPICAL CROSS SECTION
NO SCALE

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 2
STAGE CONSTRUCTION

SCALE: 1"=50' **SC-13**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: MILT TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:56

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	46	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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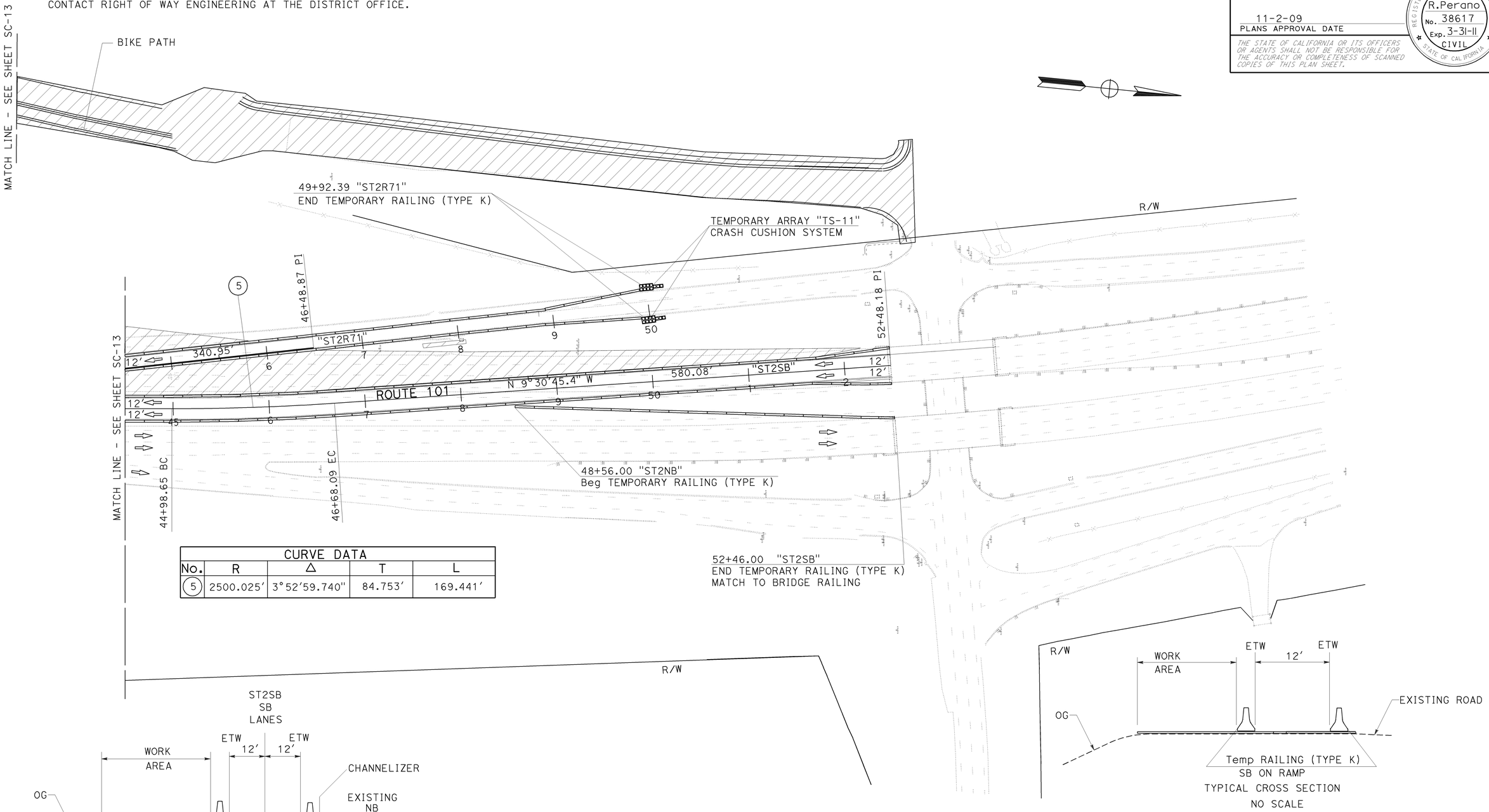
NOTE:

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



CURVE DATA				
No.	R	Δ	T	L
5	2500.025'	3°52'59.740"	84.753'	169.441'

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 2
STAGE CONSTRUCTION
SCALE: 1"=50'

SC-14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: MILT TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09 DATE PLOTTED => 15-DEC-2009 TIME PLOTTED => 08:56

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	47	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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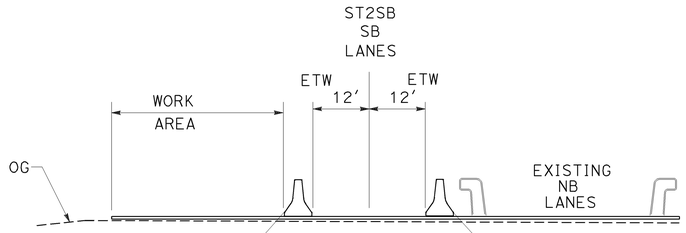
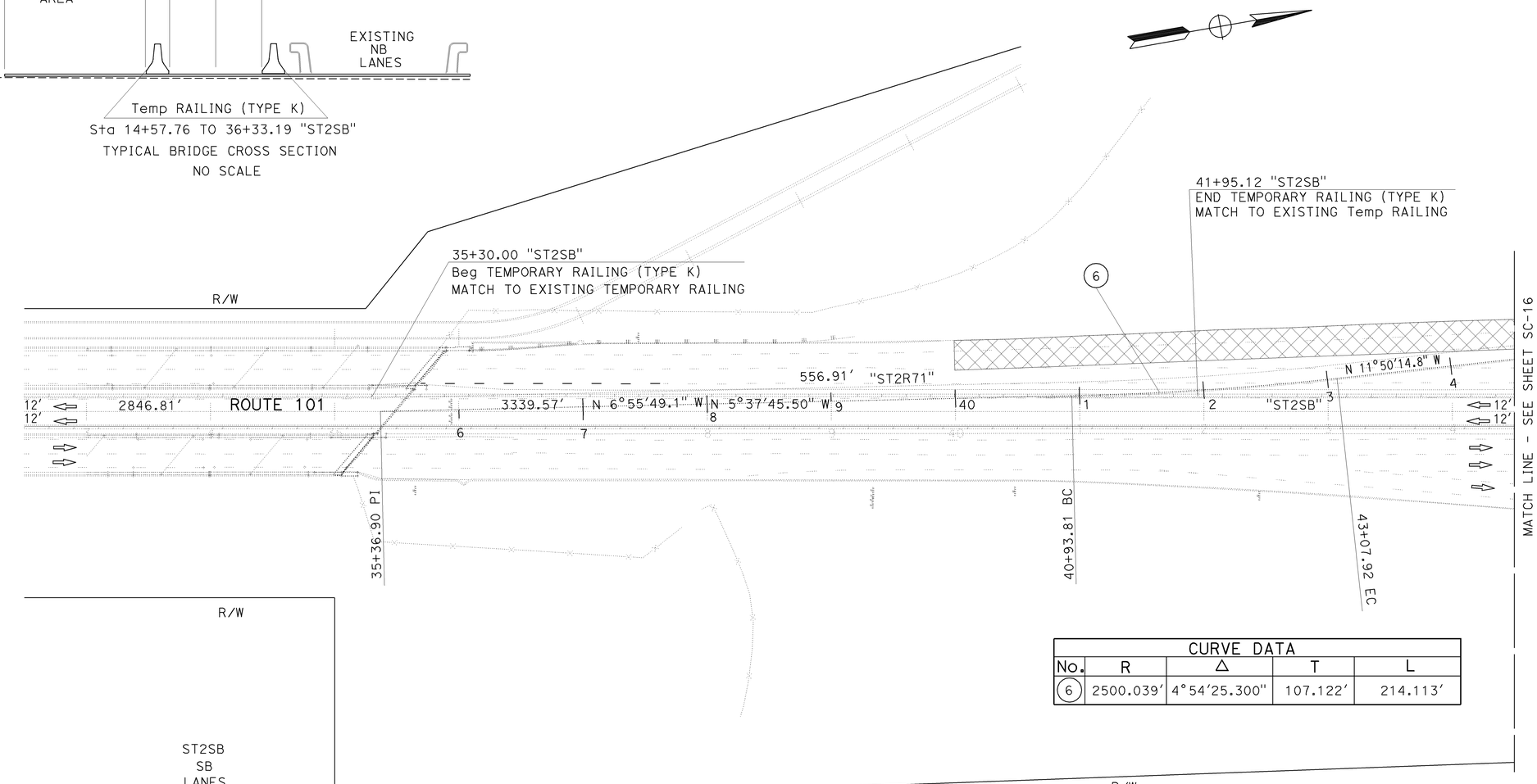
NOTE:

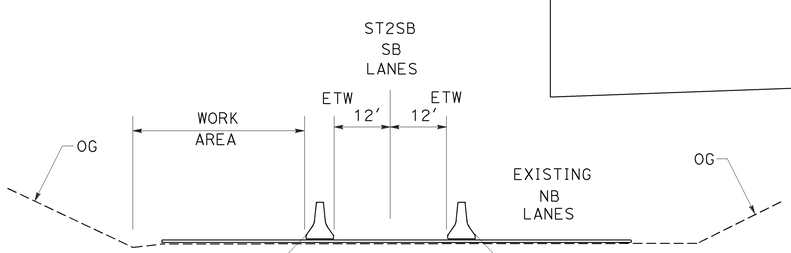
FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



Sta 14+57.76 TO 36+33.19 "ST2SB"
TYPICAL BRIDGE CROSS SECTION
NO SCALE



CURVE DATA				
No.	R	Δ	T	L
6	2500.039′	4°54′25.300″	107.122′	214.113′



Sta 36+33.19 TO 46+23.99 "ST2SB"
TYPICAL CROSS SECTION
NO SCALE

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 2A
STAGE CONSTRUCTION

SCALE: 1"=50′ **SC-15**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **DESIGN**
FUNCTIONAL SUPERVISOR J.R.PERANO
CALCULATED-DESIGNED BY GURMIT GILL
CHECKED BY MILT TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:56

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	48	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

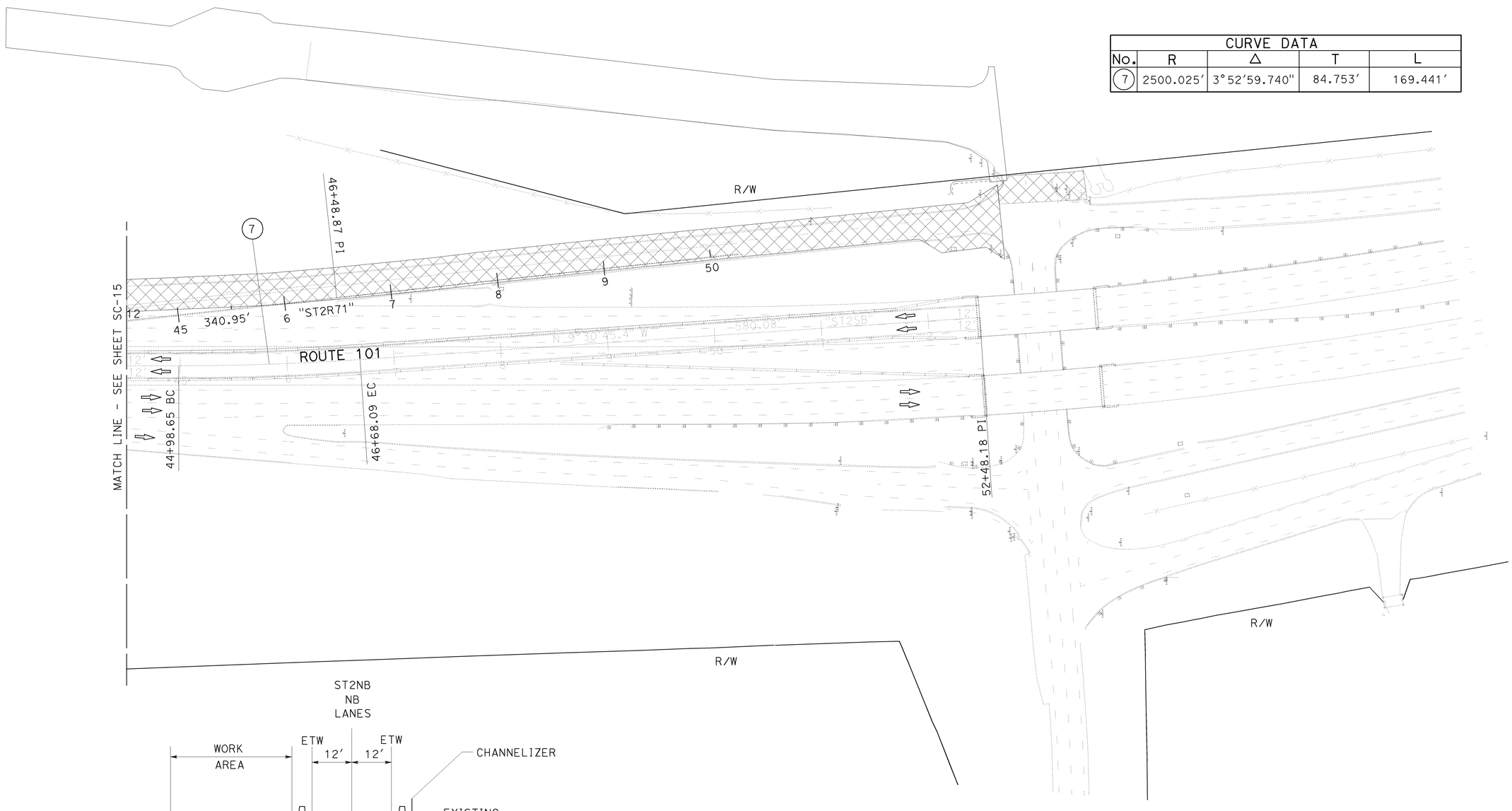
REGISTERED PROFESSIONAL ENGINEER
James R.Perano
No. 38617
Exp. 3-31-11
CIVIL
STATE OF CALIFORNIA

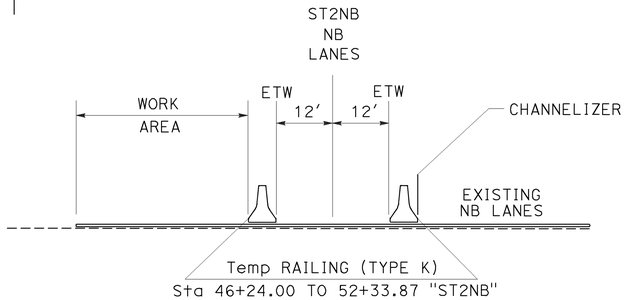
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

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

CURVE DATA				
No.	R	Δ	T	L
7	2500.025′	3°52′59.740″	84.753′	169.441′





THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 2A
STAGE CONSTRUCTION

SCALE: 1"=50′ **SC-16**

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

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: M MILT
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:56

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	49	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 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. ALL TEMPORARY ROADWAYS ON ROUTE 101 PROVIDE A MINIMUM OF TWO 12 FOOT LANES IN EACH DIRECTION.
2. CONTRACTOR SHALL COORDINATE ANY UTILITY RELOCATION WITH RESPECTIVE UTILITY OWNERS AT THE TIME OF CONSTRUCTION.
3. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

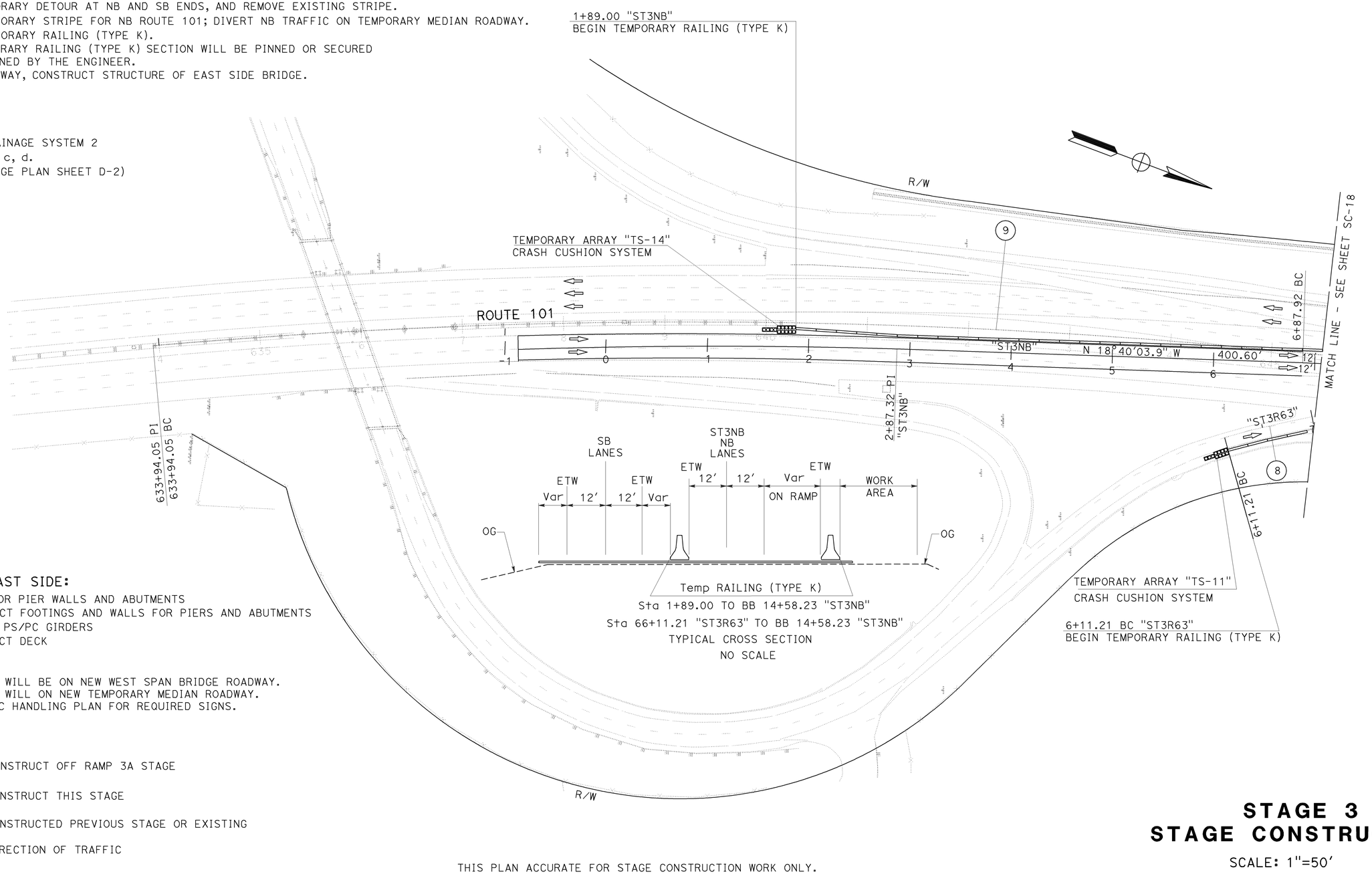
STAGE 3 CONSTRUCTION NOTES:

1. PAVE TEMPORARY DETOUR AT NB AND SB ENDS, AND REMOVE EXISTING STRIPE.
2. PLACE TEMPORARY STRIPE FOR NB ROUTE 101; DIVERT NB TRAFFIC ON TEMPORARY MEDIAN ROADWAY.
3. PLACE TEMPORARY RAILING (TYPE K).
4. LAST TEMPORARY RAILING (TYPE K) SECTION WILL BE PINNED OR SECURED AS DETERMINED BY THE ENGINEER.
5. GRADE ROADWAY, CONSTRUCT STRUCTURE OF EAST SIDE BRIDGE.

DRAINAGE:

1. INSTALL DRAINAGE SYSTEM 2 UNITS a, b, c, d. (SEE DRAINAGE PLAN SHEET D-2)

CURVE DATA				
No.	R	Δ	T	L
8	1000.000′	5°15′41.522″	45.948′	91.831′
9	6000.164′	11°2′17.517″	579.769′	1155.949′



BRIDGE EAST SIDE:

1. PILES FOR PIER WALLS AND ABUTMENTS
2. CONSTRUCT FOOTINGS AND WALLS FOR PIERS AND ABUTMENTS
3. INSTALL PS/PC GIRDERS
4. CONSTRUCT DECK

TRAFFIC:

SB TRAFFIC WILL BE ON NEW WEST SPAN BRIDGE ROADWAY.
NB TRAFFIC WILL ON NEW TEMPORARY MEDIAN ROADWAY.
SEE TRAFFIC HANDLING PLAN FOR REQUIRED SIGNS.

LEGEND:

- CONSTRUCT OFF RAMP 3A STAGE
- CONSTRUCT THIS STAGE
- CONSTRUCTED PREVIOUS STAGE OR EXISTING
- DIRECTION OF TRAFFIC

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 3
STAGE CONSTRUCTION

SCALE: 1"=50′ **SC-17**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans
FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: MILT TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:56

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	50	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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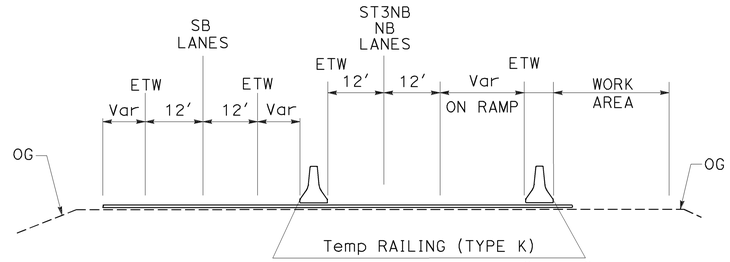
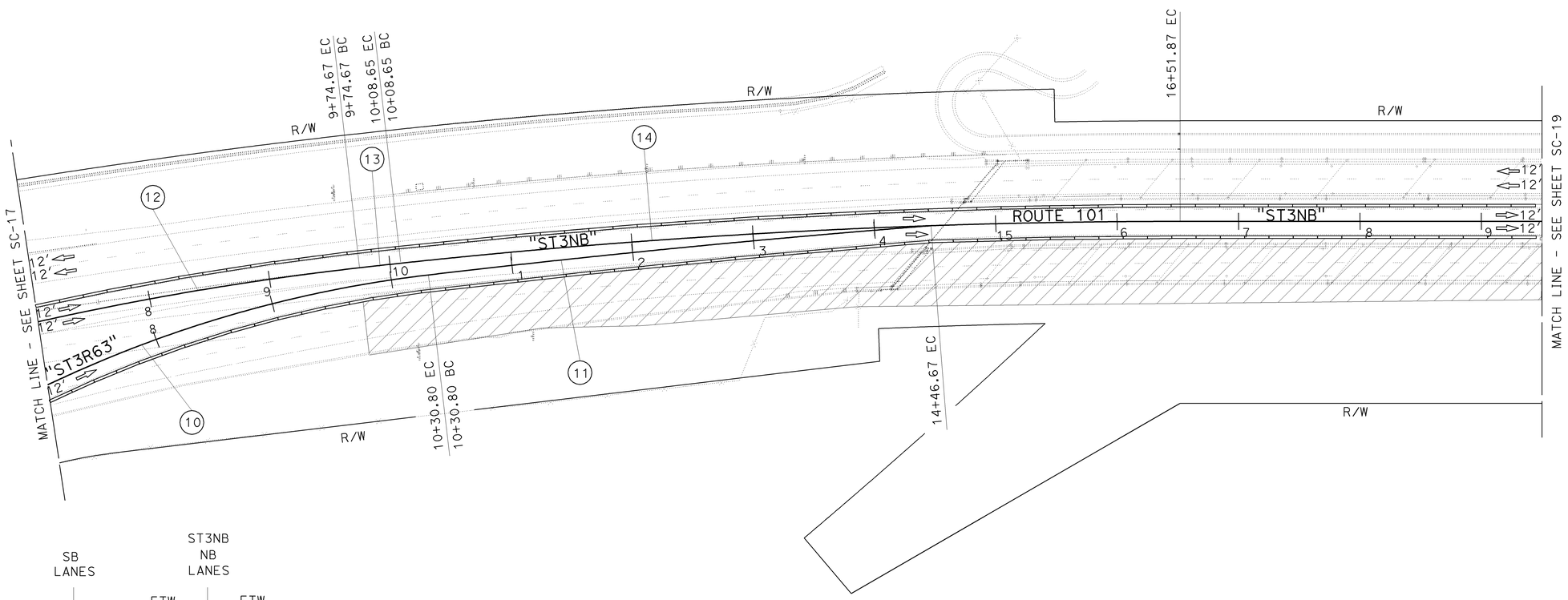
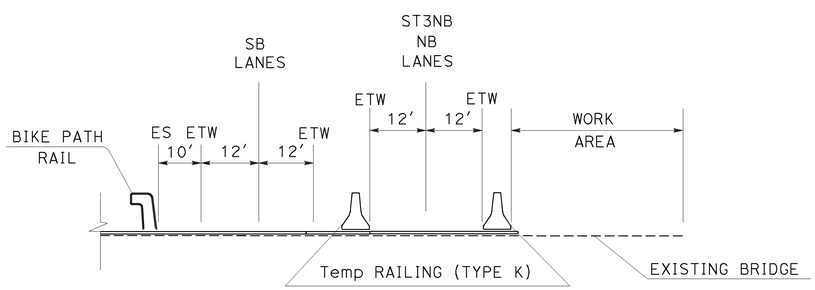
NOTE:

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



Sta 1+89.00 TO 14+57.76 "ST3NB"
Sta 66+11.21 "ST3R63" TO BB 14+58.23 "ST3NB"
TYPICAL CROSS SECTION
NO SCALE





Sta BB 14+58.23 TO EB 35+48.58 "ST3NB"
TYPICAL BRIDGE CROSS SECTION
NO SCALE

CURVE DATA

No.	R	Δ	T	L
10	1000.000′	18°46′45.958"	165.365′	327.763′
11	10607.490′	2°14′46.640"	207.961′	415.868′
12	2500.000′	6°9′4.944"	134.331′	268.404′
13	5999.240′	0°19′28.040"	16.986′	33.973′
14	6000.088′	6°8′31.000"	321.905′	643.192′

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 3
STAGE CONSTRUCTION

SCALE: 1"=50′ **SC-18**

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

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: MILT TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:56

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	51	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
James R.Perano
No. 38617
Exp. 3-31-11
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 ACCURATE RIGHT OF WAY AND ACCESS DATA,
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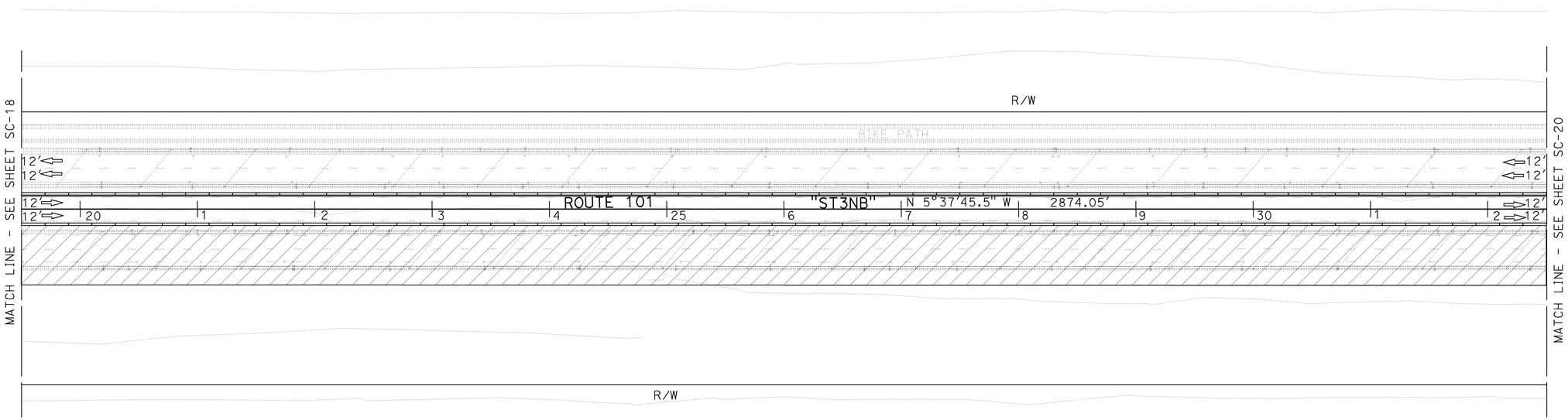

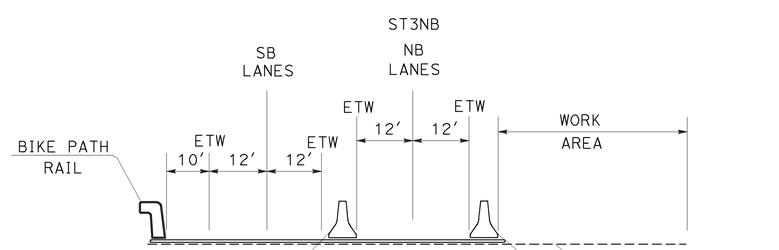

Sta BB 14+58.23 TO 35+30.00 "ST3NB"
TYPICAL BRIDGE CROSS SECTION
NO SCALE

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 3
STAGE CONSTRUCTION
SCALE: 1"=50' **SC-19**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **DESIGN**
FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: MILT TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:56

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	52	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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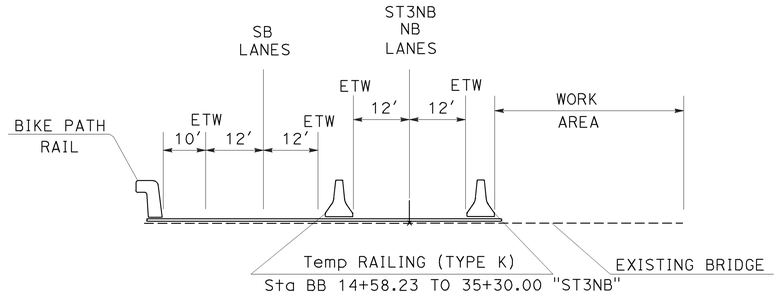
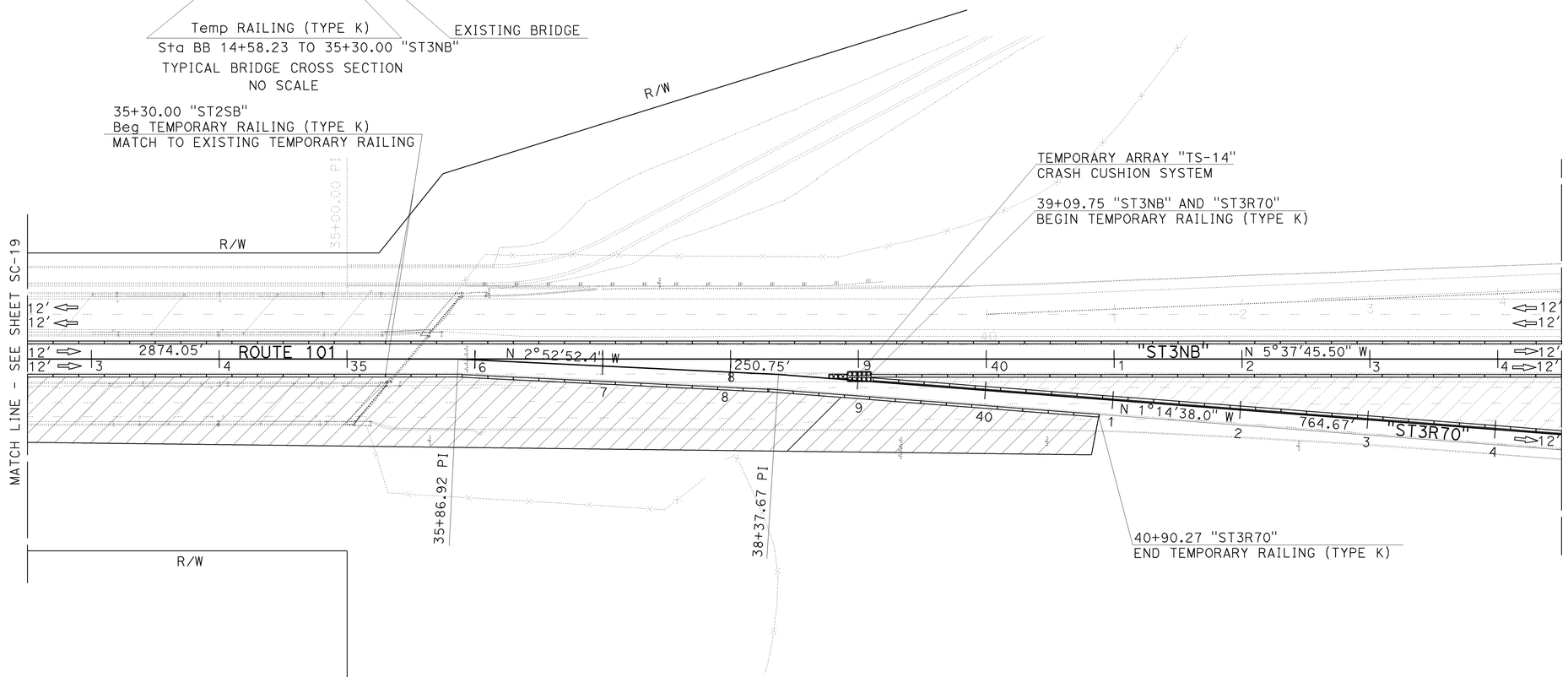
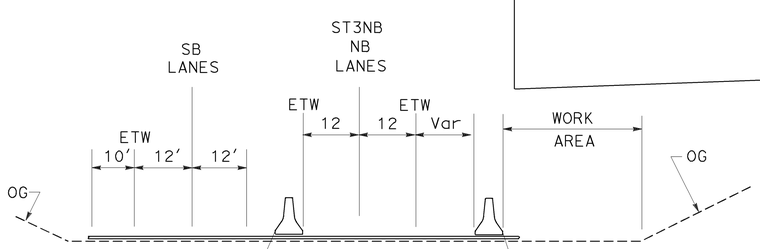
NOTE:

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

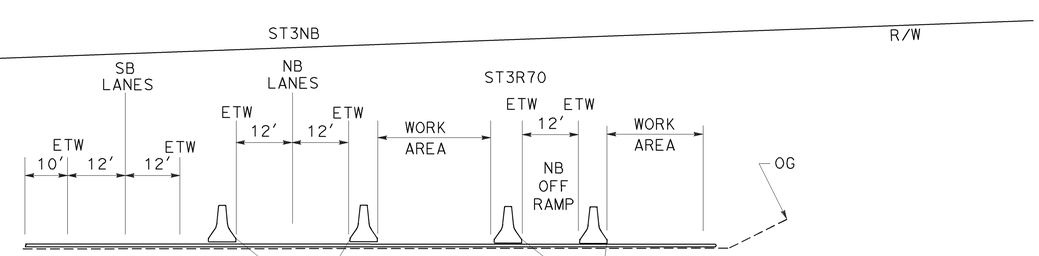


Sta BB 14+58.23 TO 35+30.00 "ST3NB"
TYPICAL BRIDGE CROSS SECTION
NO SCALE





Sta 35+30.00 TO 39+09.75 "ST3NB"
TYPICAL CROSS SECTION
NO SCALE



Sta 39+09.75 TO 52+50.00 "ST3NB"
TYPICAL CROSS SECTION
NO SCALE

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 3
STAGE CONSTRUCTION

SCALE: 1"=50′ **SC-20**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN
FUNCTIONAL SUPERVISOR J.R.PERANO
CALCULATED-DESIGNED BY GURMIT GILL
CHECKED BY MILT TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09 DATE PLOTTED => 15-DEC-2009 TIME PLOTTED => 08:56

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	53	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

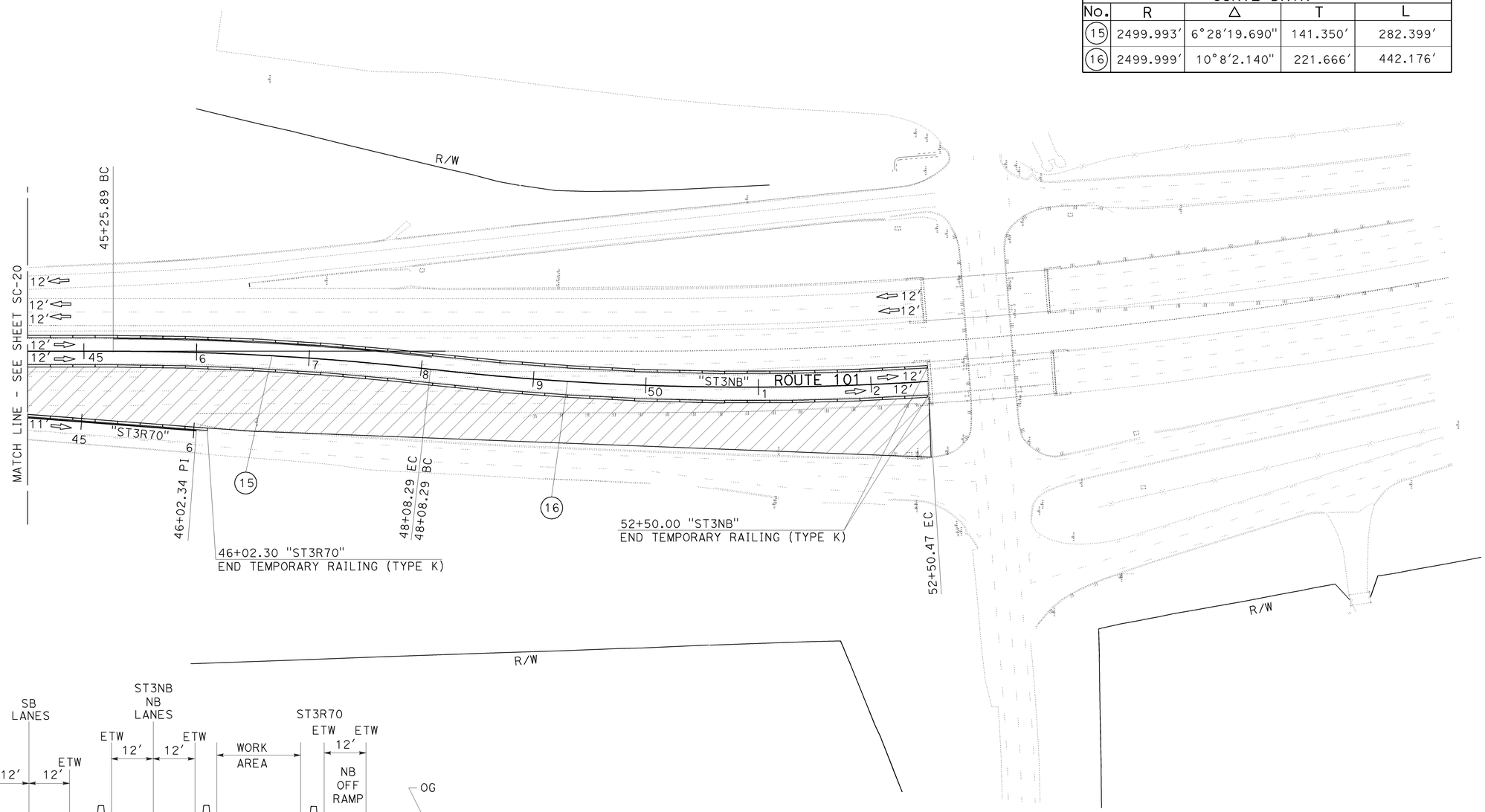
REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

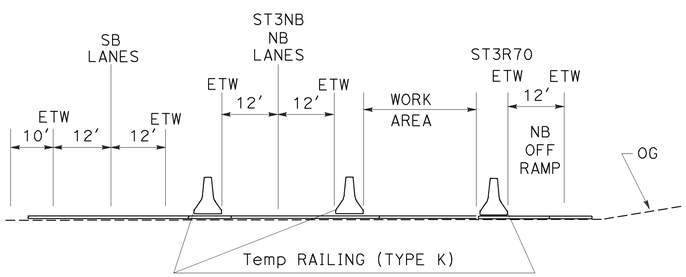
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

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

CURVE DATA				
No.	R	Δ	T	L
15	2499.993′	6°28′19.690″	141.350′	282.399′
16	2499.999′	10°8′2.140″	221.666′	442.176′





Sta 39+09.75 TO 52+50.00 "ST3NB"
TYPICAL CROSS SECTION
NO SCALE

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 3
STAGE CONSTRUCTION
SCALE: 1"=50′ **SC-21**

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

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: M TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:56

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	54	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
James R.Perano
No. 38617
Exp. 3-31-11
CIVIL
STATE OF CALIFORNIA

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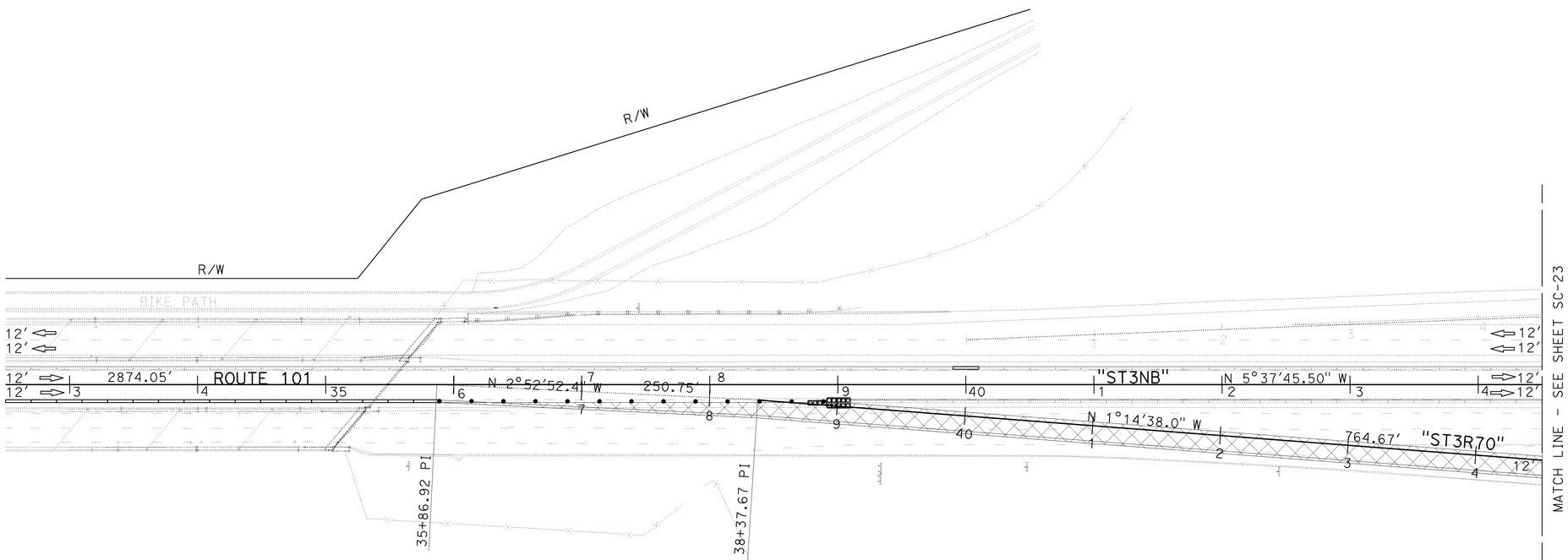
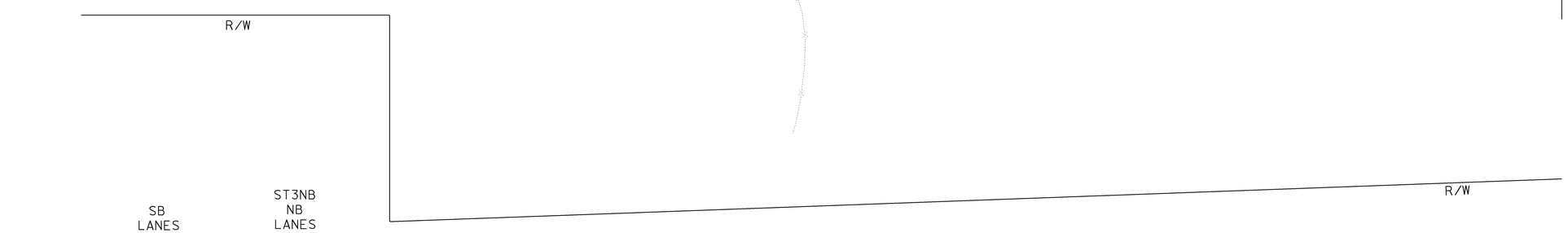
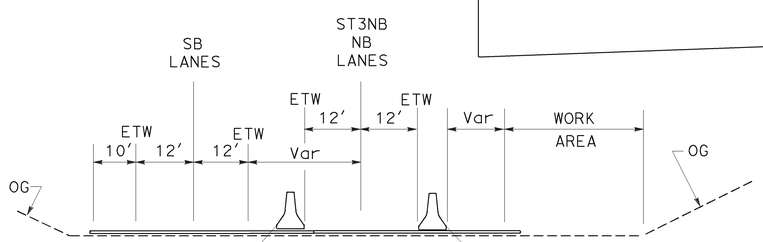
NOTE:

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







Sta 35+50.00 TO 52+50.00 "ST3NB"
TYPICAL CROSS SECTION
NO SCALE

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 3A
STAGE CONSTRUCTION
SCALE: 1"=50′ **SC-22**

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

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: MILT TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09 | DATE PLOTTED => 15-DEC-2009 | TIME PLOTTED => 08:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	55	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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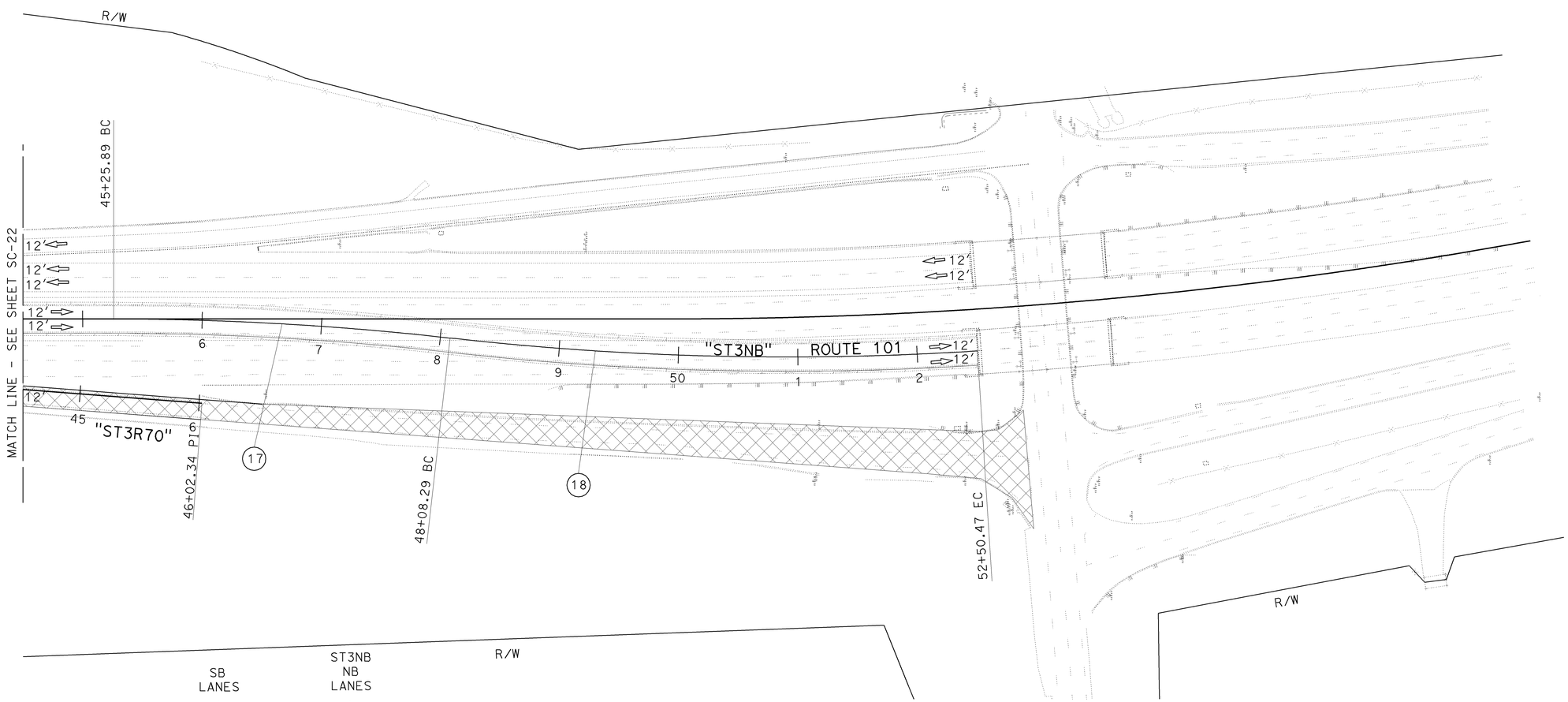
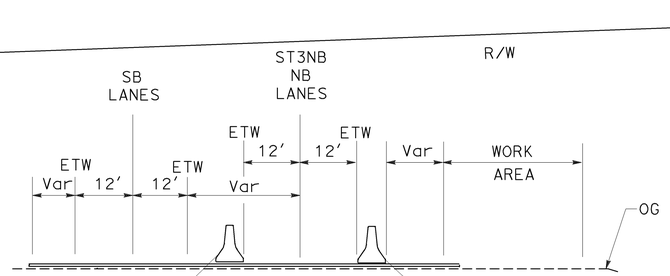
NOTE:

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

CURVE DATA				
No.	R	Δ	T	L
17	2499.993′	6°28′19.690"	141.350′	282.399′
18	2499.999′	10°8′2.140"	221.666′	442.176′





Sta 39+71.54 TO 52+50.00 "ST3NB"
TYPICAL CROSS SECTION
NO SCALE

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 3A
STAGE CONSTRUCTION

SCALE: 1"=50′ **SC-23**

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

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: MILT TOWNE
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 15-DEC-2009
08-12-09 TIME PLOTTED => 08:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	56	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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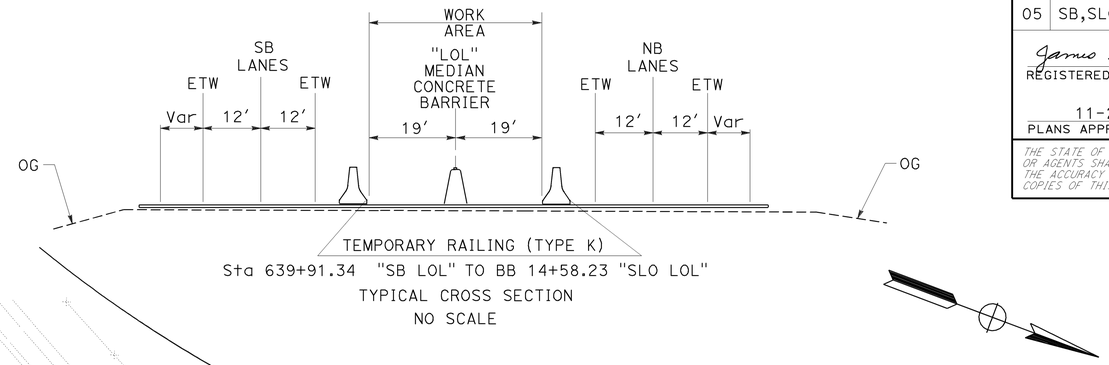
NOTES:

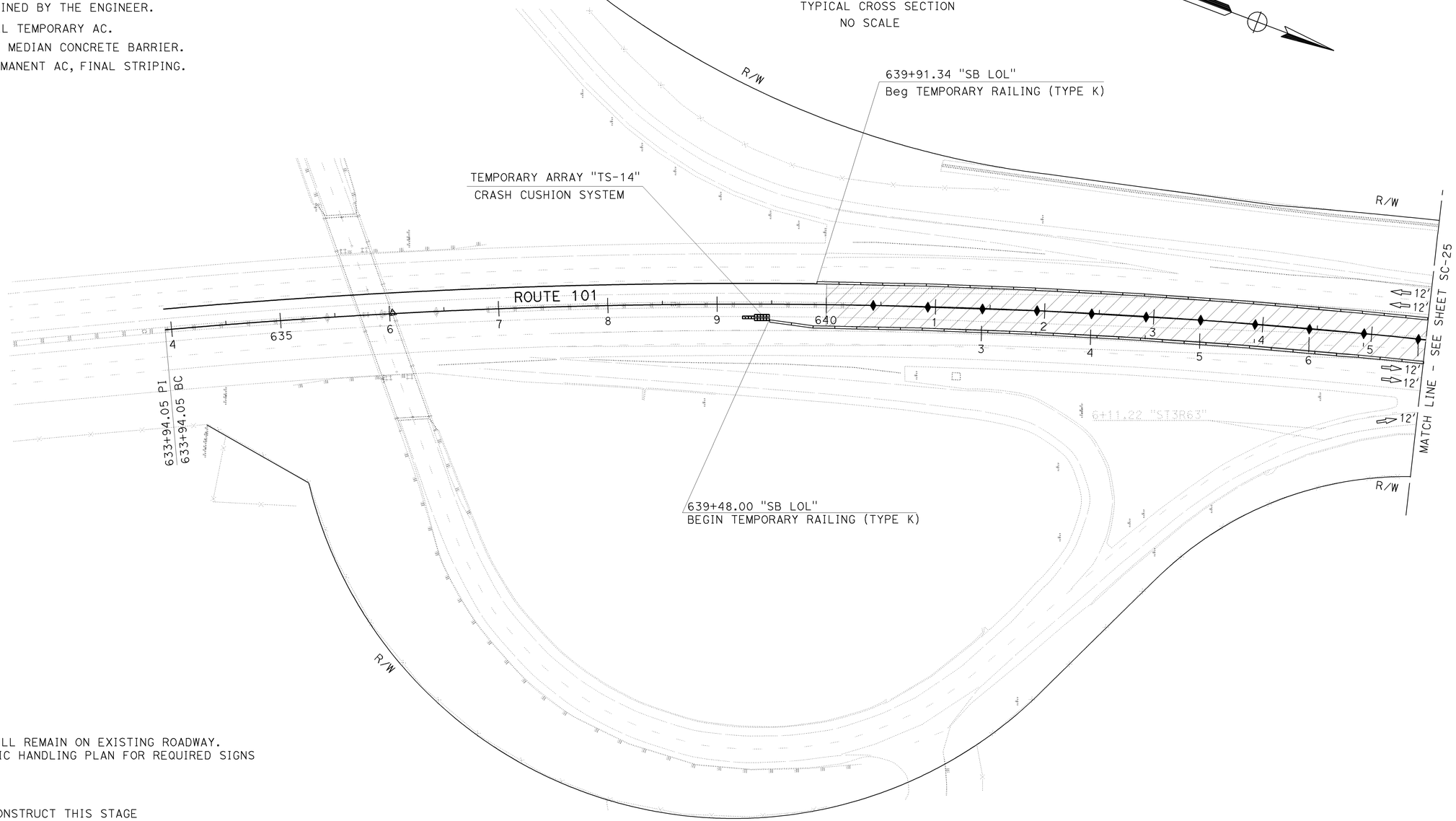
1. ALL TEMPORARY ROADWAYS ON ROUTE 101 PROVIDE A MINIMUM OF TWO 12.00 Ft LANES IN EACH DIRECTION
2. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

STAGE 4 CONSTRUCTION NOTES:

1. PLACE TEMPORARY STRIPE FOR NB ROUTE 101; DIVERT NB TRAFFIC ON NEW EAST SPAN BRIDGE ROADWAY.
2. PLACE TEMPORARY RAILING (TYPE K).
3. LAST TEMPORARY RAILING (TYPE K) SECTION WILL BE PINNED OR SECURED AS DETERMINED BY THE ENGINEER.
4. REMOVE ALL TEMPORARY AC.
5. CONSTRUCT MEDIAN CONCRETE BARRIER.
6. PLACE PERMANENT AC, FINAL STRIPING.



Sta 639+91.34 "SB LOL" TO BB 14+58.23 "SLO LOL"
TYPICAL CROSS SECTION
NO SCALE



TRAFFIC:

TRAFFIC WILL REMAIN ON EXISTING ROADWAY.
SEE TRAFFIC HANDLING PLAN FOR REQUIRED SIGNS

LEGEND:

- CONSTRUCT THIS STAGE
- CONSTRUCTED PREVIOUS STAGE OR EXISTING
- DIRECTION OF TRAFFIC

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 4
STAGE CONSTRUCTION
SCALE: 1"=50′ **SC-24**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: MILT TOWNE
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:57
08-12-09

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	57	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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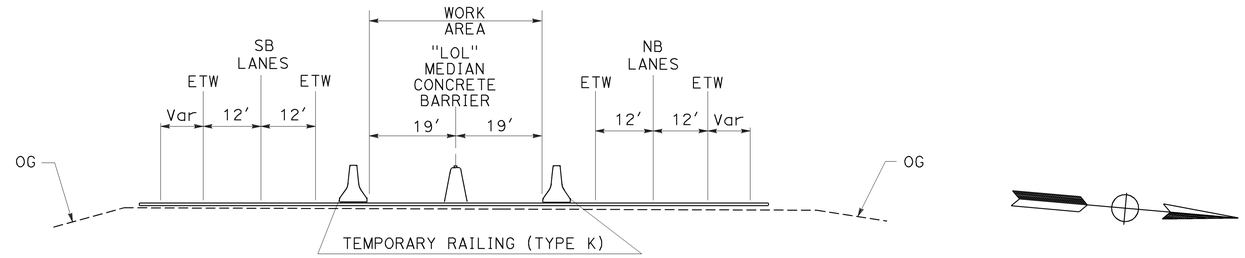
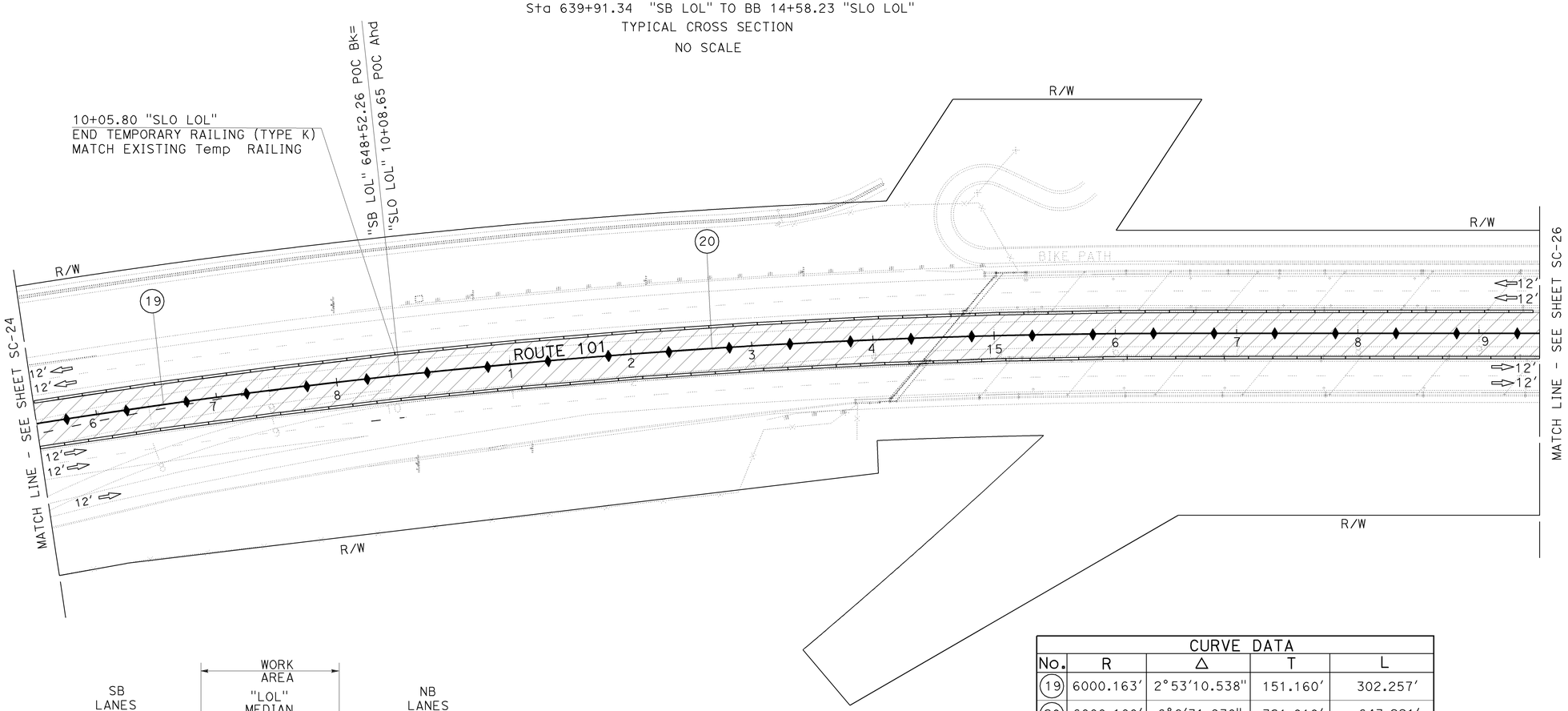
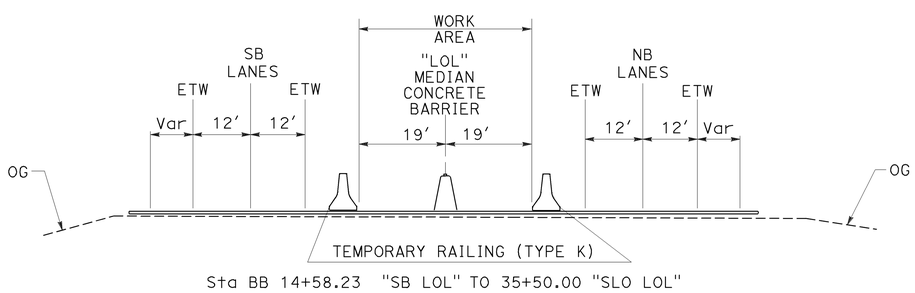


Sta 639+91.34 "SB LOL" TO BB 14+58.23 "SLO LOL"
TYPICAL CROSS SECTION
NO SCALE



CURVE DATA				
No.	R	Δ	T	L
19	6000.163′	2°53′10.538″	151.160′	302.257′
20	6000.100′	6°8′31.930″	321.919′	643.221′



Sta BB 14+58.23 "SB LOL" TO 35+50.00 "SLO LOL"
TYPICAL CROSS SECTION
NO SCALE

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 4
STAGE CONSTRUCTION

SCALE: 1"=50′ **SC-25**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: MILT TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	58	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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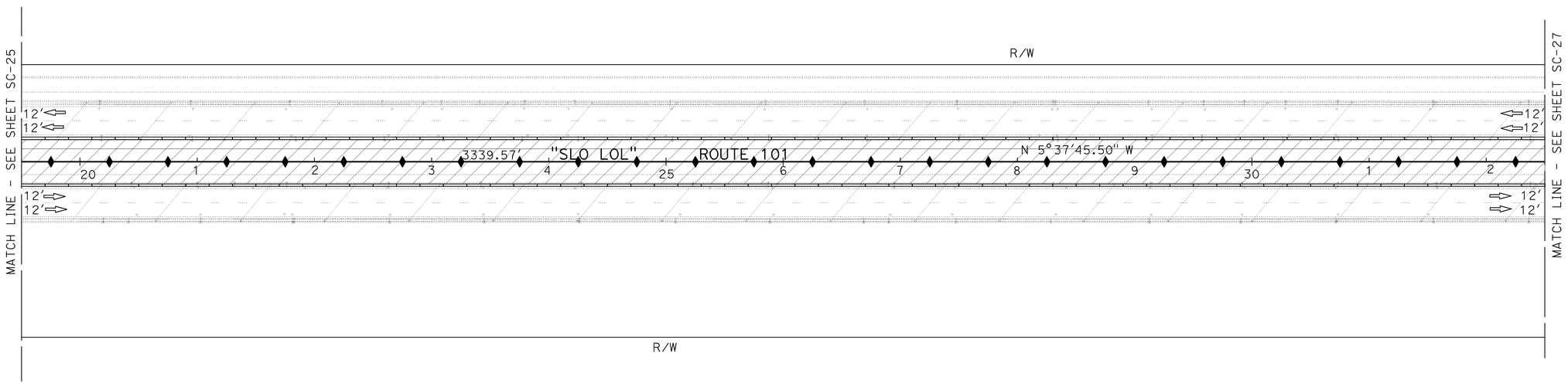

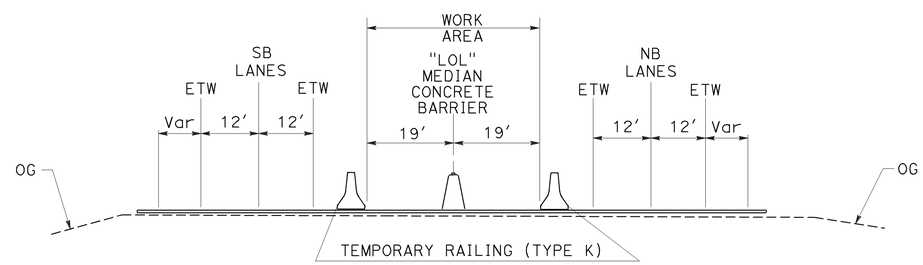

Sta BB 14+58.23 TO 35+50.00 "SLO LOL"
TYPICAL CROSS SECTION
NO SCALE

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 4
STAGE CONSTRUCTION
SCALE: 1"=50' **SC-26**

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

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: MILT TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09 | DATE PLOTTED => 15-DEC-2009 | TIME PLOTTED => 08:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	59	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

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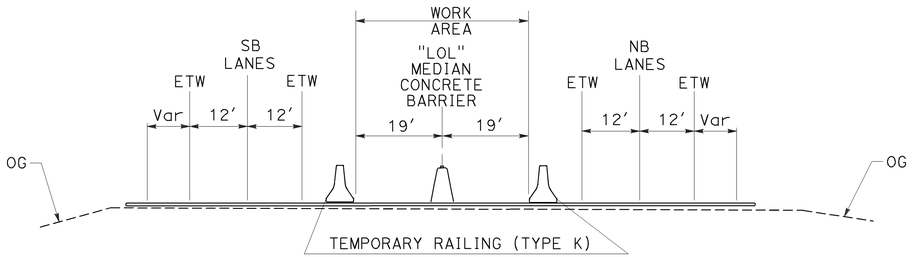
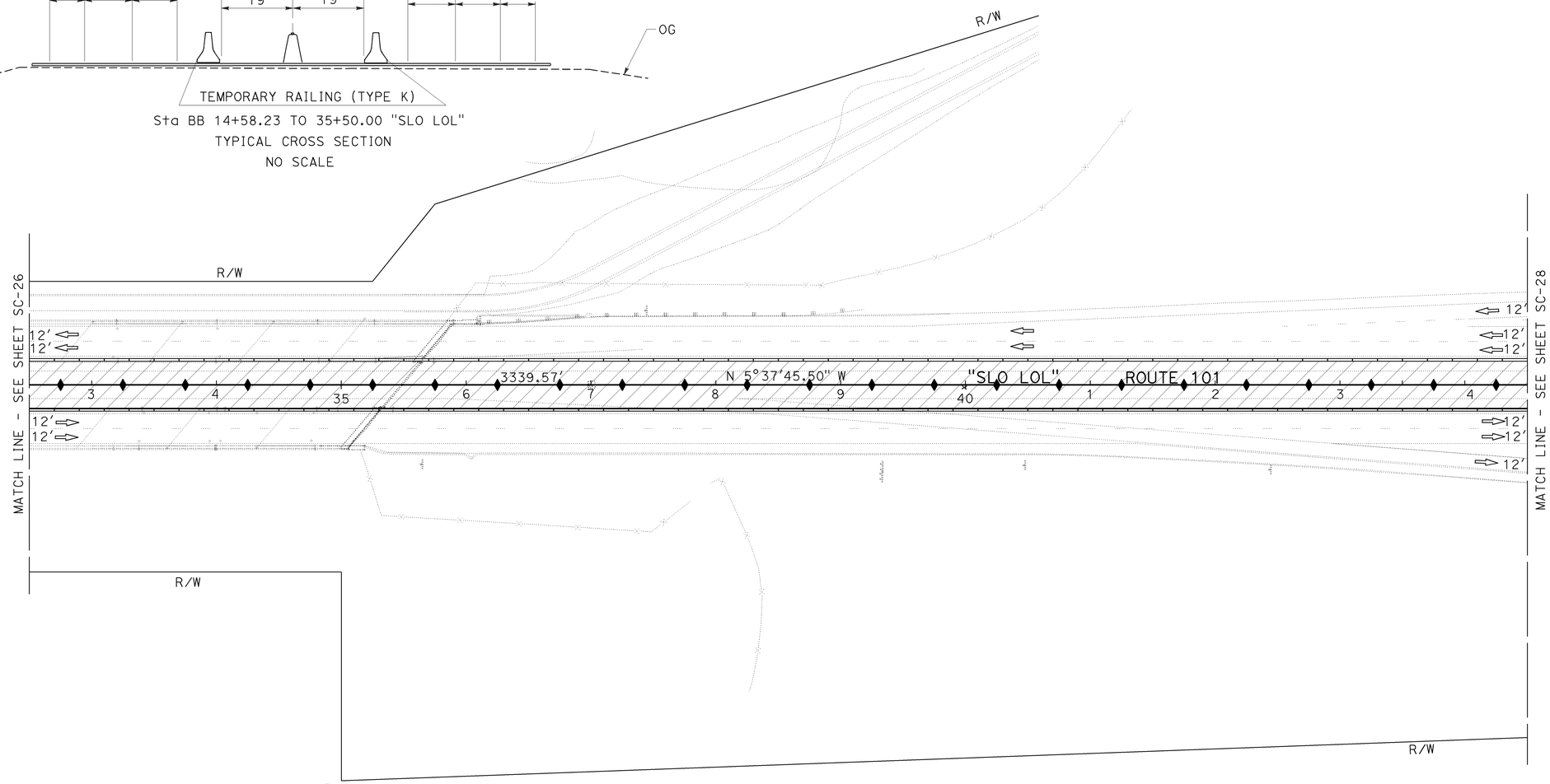
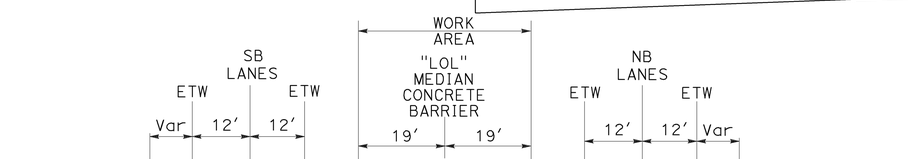
NOTE:

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



Sta BB 14+58.23 TO 35+50.00 "SLO LOL"
TYPICAL CROSS SECTION
NO SCALE





Sta 35+50.00 TO 52+32.00 "SLO LOL"
TYPICAL CROSS SECTION
NO SCALE

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 4
STAGE CONSTRUCTION
SCALE: 1"=50′ **SC-27**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN
FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: MILT TOWNE
REVISED BY / DATE REVISED

LAST REVISION 08-12-09 | DATE PLOTTED => 15-DEC-2009 | TIME PLOTTED => 08:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	60	299

James R. Perano 8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER James R.Perano No. 38617 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

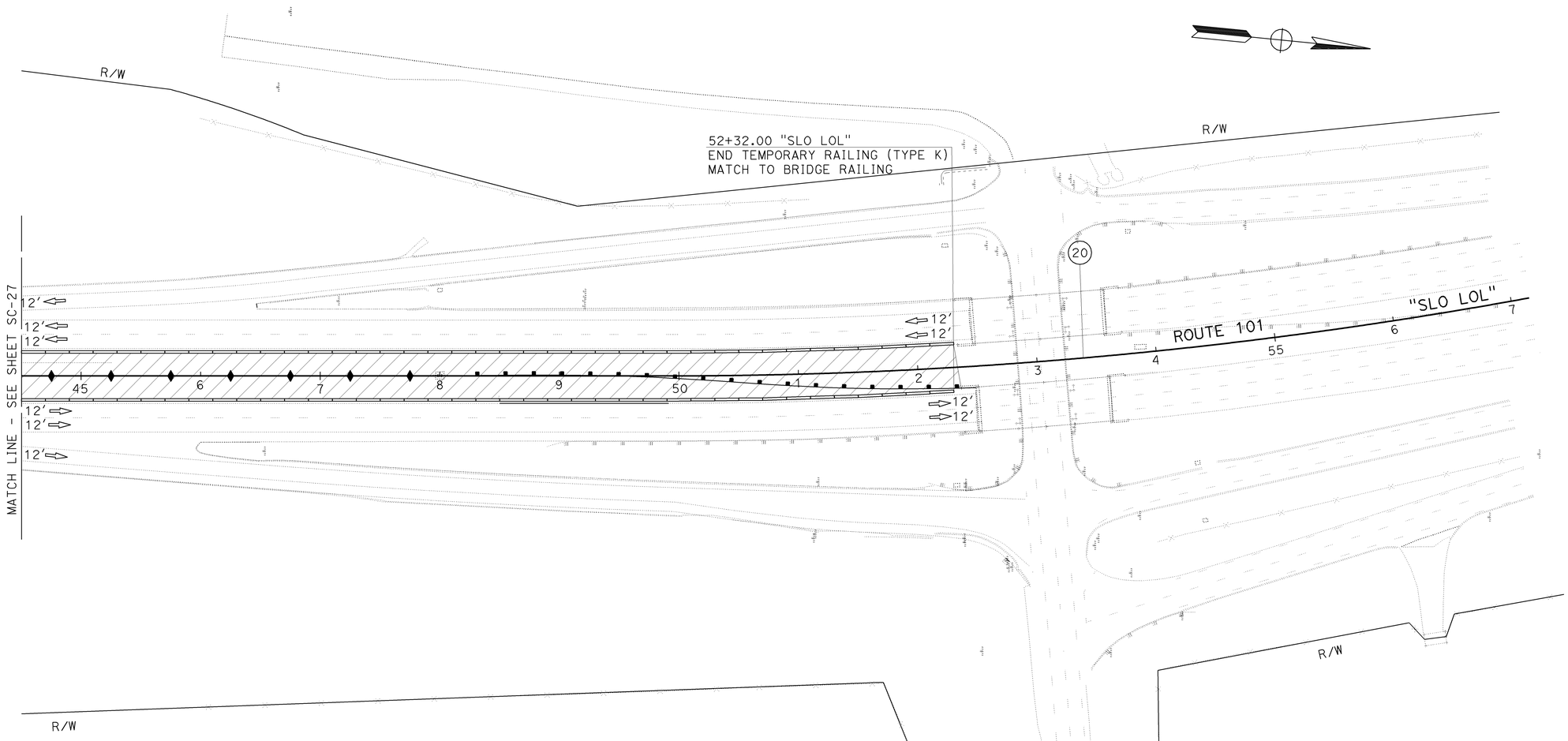
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

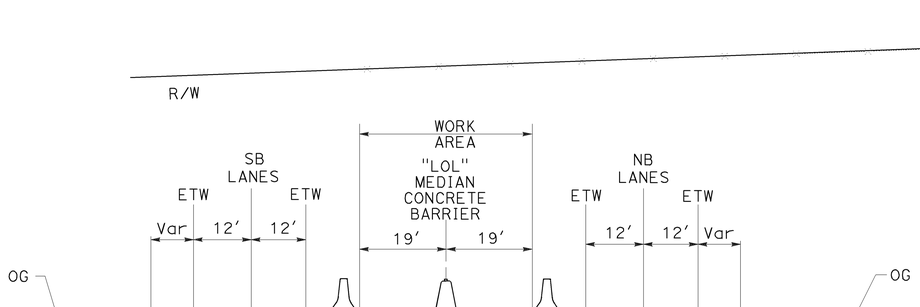
NOTE:

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

CURVE DATA

No.	R	Δ	T	L
20	4000.145′	10°21′59.259″	362.861′	723.742′





Sta 35+50.00 TO 52+32.00 "SLO LOL"
TYPICAL CROSS SECTION
NO SCALE

THIS PLAN ACCURATE FOR STAGE CONSTRUCTION WORK ONLY.

STAGE 4
STAGE CONSTRUCTION
SCALE: 1"=50′ **SC-28**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN

FUNCTIONAL SUPERVISOR: J.R.PERANO
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: MILT TOWNE
REVISED BY
DATE REVISED

LAST REVISION 08-12-09 | DATE PLOTTED => 15-DEC-2009 | TIME PLOTTED => 08:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0, 0.0/0.8	61	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

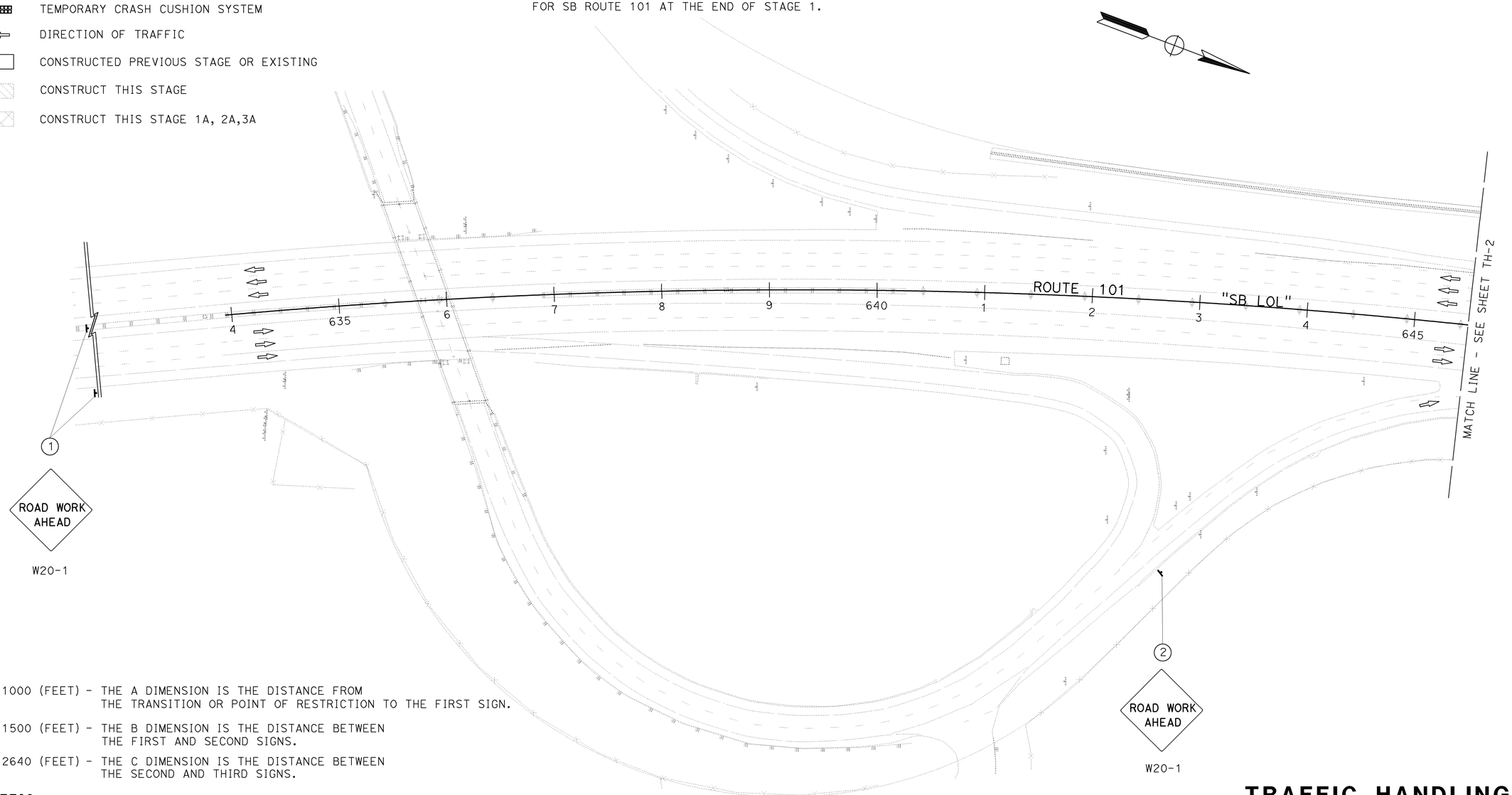
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LEGEND:

- CHANNELIZER (SURFACE MOUNTED)
- CONSTRUCTION AREA SIGN No.
- PREVIOUS STAGES ROADSIDE SIGN TO REMAIN IN PLACE
- THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) DETAIL NUMBER
- REMOVE THERMOPLASTIC OR PAINTED TRAFFIC STRIPE
- OBJECT MARKER TYPE P (OM-3(L&R))
- TEMPORARY RAILING (TYPE K)
- TEMPORARY CRASH CUSHION SYSTEM
- DIRECTION OF TRAFFIC
- CONSTRUCTED PREVIOUS STAGE OR EXISTING
- CONSTRUCT THIS STAGE
- CONSTRUCT THIS STAGE 1A, 2A,3A

NOTES:

1. LOCATION OF CONSTRUCTION AREA SIGNS ARE APPROXIMATE, EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. THE STATION AND OFFSET DIMENSION MAY BE ADJUSTED TO CONFORM TO ACTUAL SITE CONDITION IF NECESSARY.
3. CHANNELIZERS (SURFACE MOUNTED) SHALL BE MAINTAINED DURING ENTIRE SHOULDER/ LANE CLOSURE PERIOD.
4. TEMPORARY RAILING (TYPE K) TAPER SHALL BE 1:10 OR FLATTER.
5. FOR STAGE #1-TRAFFIC WILL REMAIN ON EXISTING ROADBED. (SEE STANDARD PLAN (T-10) LANE CLOSURE CHARTS FOR ADDTIONAL REQUIRED SIGNS)
6. FOR ADDITIONAL CONSTRUCTION AREA SIGN SEE SHEET CS-1, M-I SHEETS.
7. PLACE TEMPORARY STRIPE FOR THE DEVERT TRAFFIC ON TEMPORARY MEDIAN ROADBED FOR SB ROUTE 101 AT THE END OF STAGE 1.



A = 1000 (FEET) - THE A DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN.

B = 1500 (FEET) - THE B DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS.

C = 2640 (FEET) - THE C DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS.

TRAFFIC:

TRAFFIC WILL REMAIN ON EXISTING ROADWAY.

THIS PLAN ACCURATE 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: HASSAN MAREI
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:57

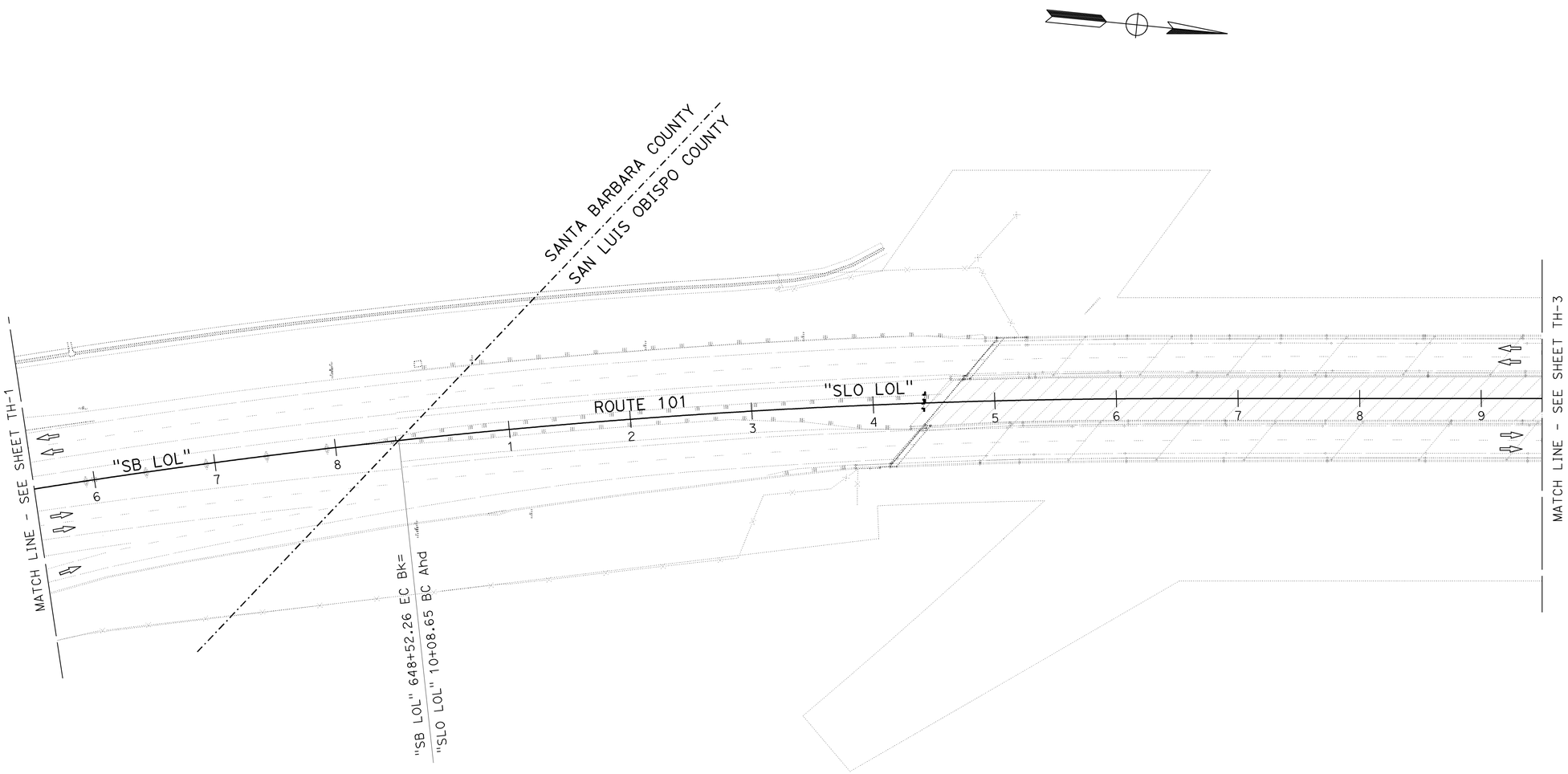
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0, 0.0/0.8	62	299

8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
HASSAN MAREI
No. C035068
Exp. 9-30-11
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.



THIS PLAN ACCURATE 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: HASSAN MAREI
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:57

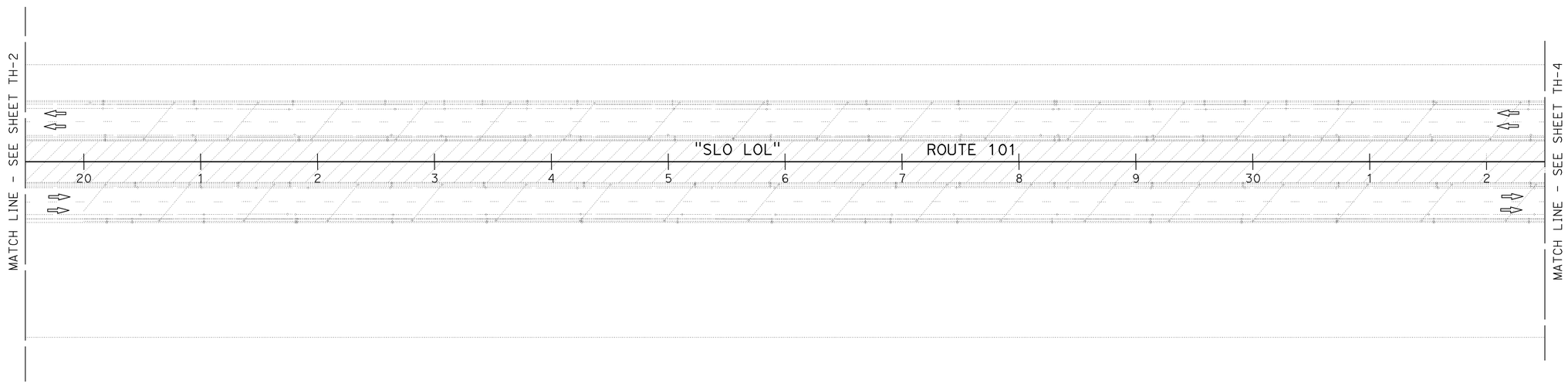
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0, 0.0/0.8	63	299

8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
HASSAN MAREI
No. C035068
Exp. 9-30-11
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.



TRAFFIC HANDLING PLAN
STAGE 1

SCALE: 1" = 50′ **TH-3**

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **TRAFFIC DESIGN**

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:57

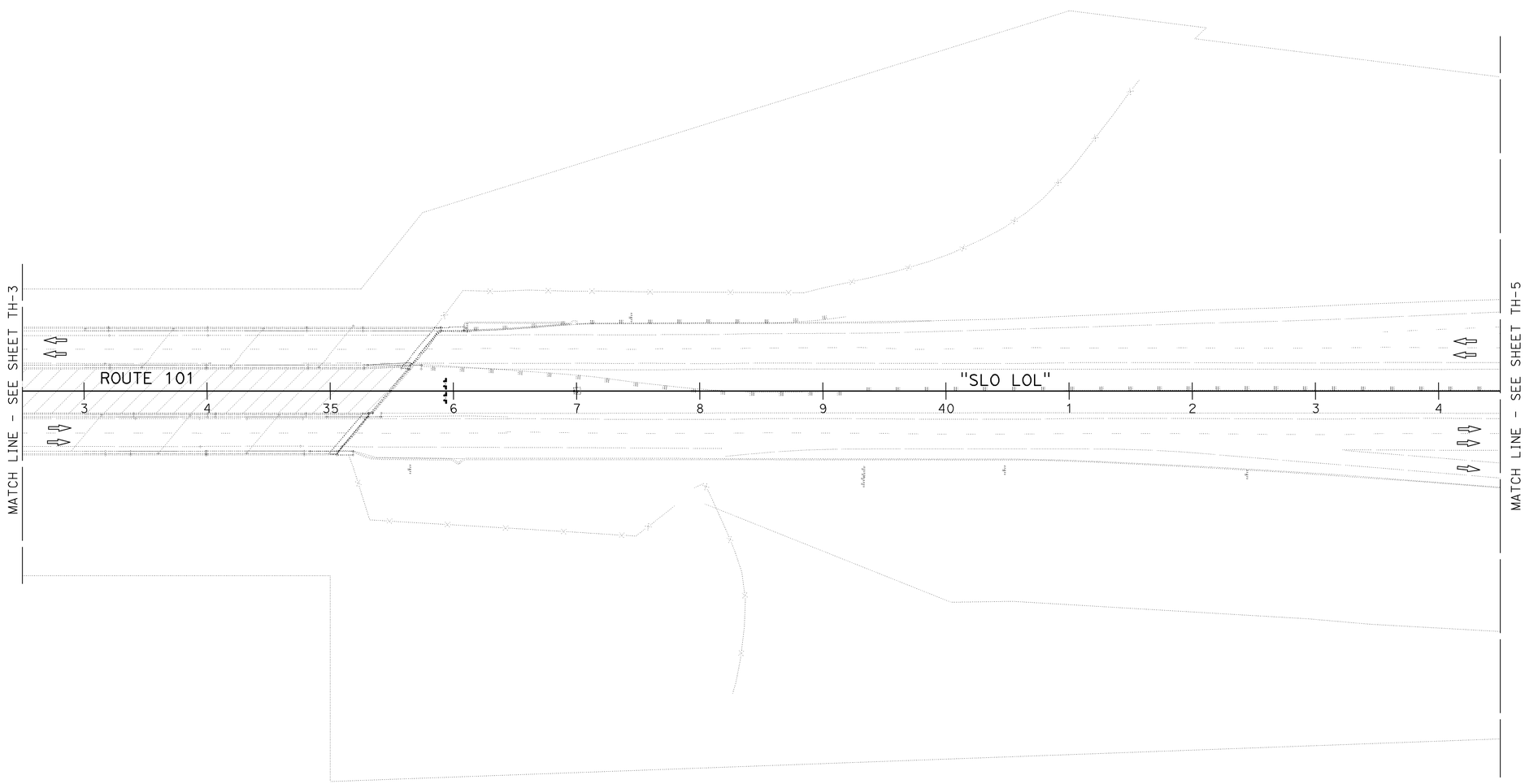
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0, 0.0/0.8	64	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 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.



TRAFFIC HANDLING PLAN
STAGE 1

SCALE: 1" = 50'

TH-4

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **TRAFFIC DESIGN**

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:57

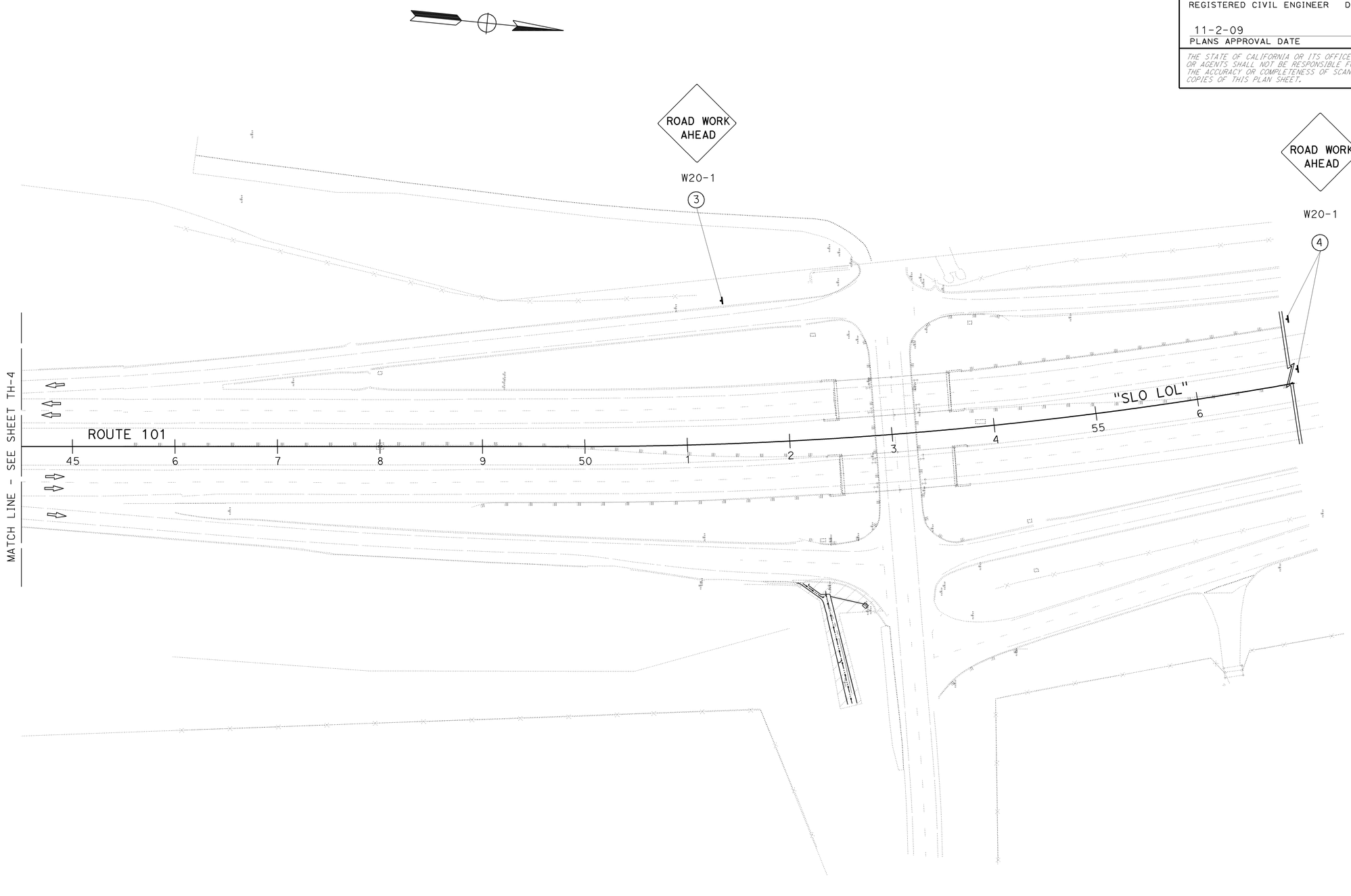
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0, 0.0/0.8	65	299

8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
HASSAN MAREI
No. C035068
Exp. 9-30-11
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.



THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

TRAFFIC HANDLING PLAN
STAGE 1

SCALE: 1" = 50′ **TH-5**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:57

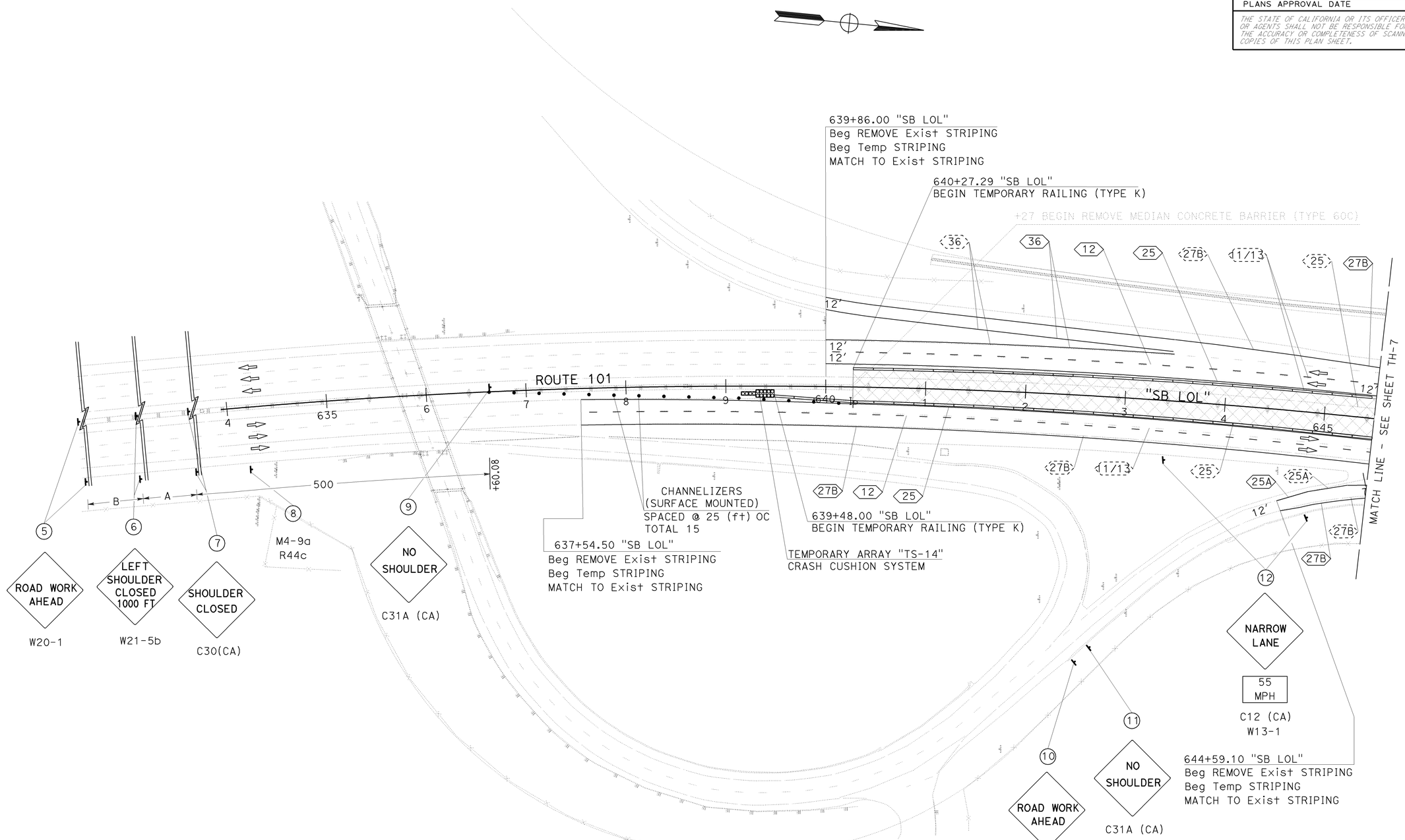
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0, 0.0/0.8	66	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 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.



TRAFFIC:

TRAFFIC WILL REMAIN ON EXISTING ROADWAY.

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

TRAFFIC HANDLING PLAN
STAGE 1A

SCALE: 1" = 50'

TH-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:58

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0, 0.0/0.8	67	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

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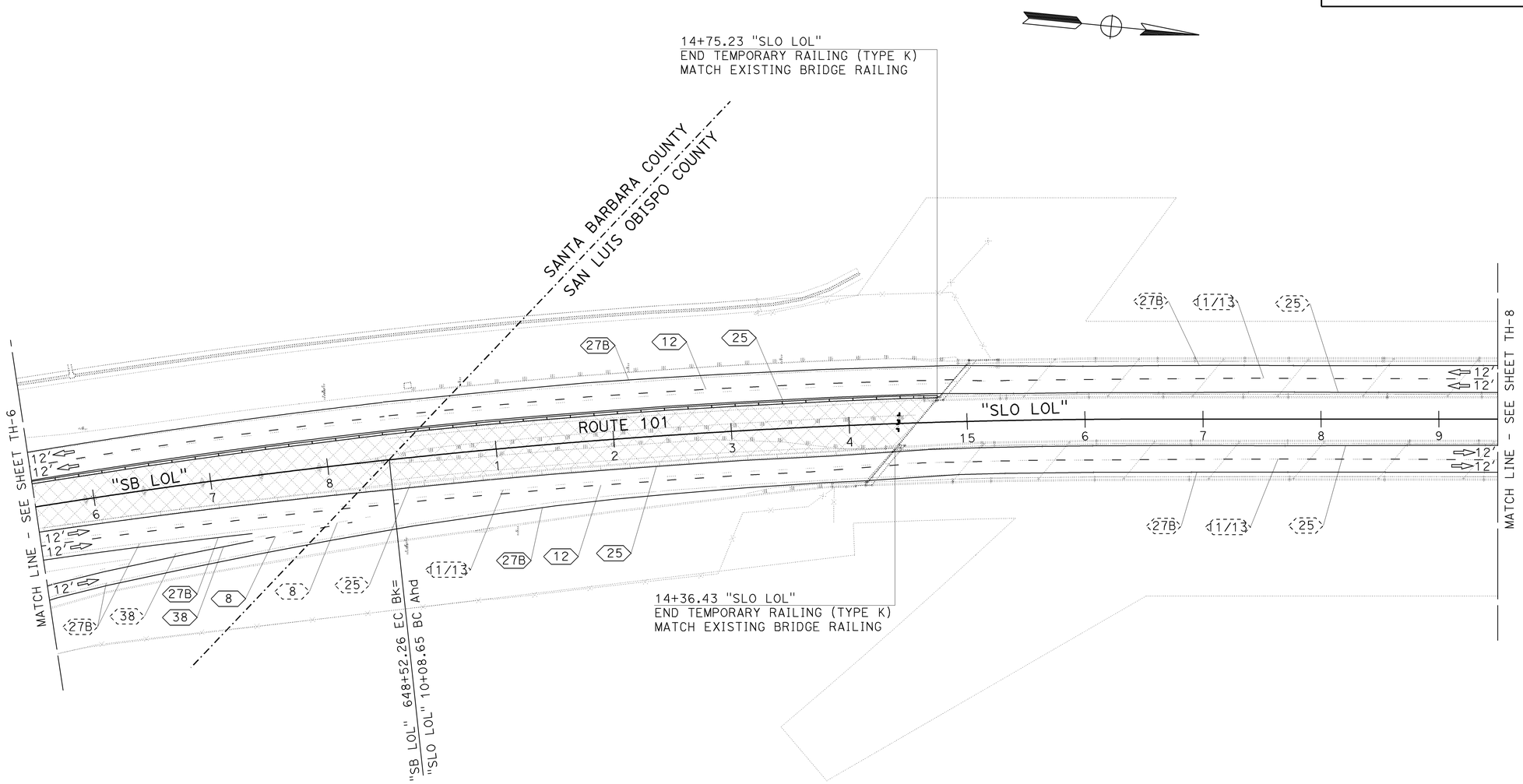


THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

TRAFFIC HANDLING PLAN
STAGE 1A

SCALE: 1" = 50'

TH-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:58

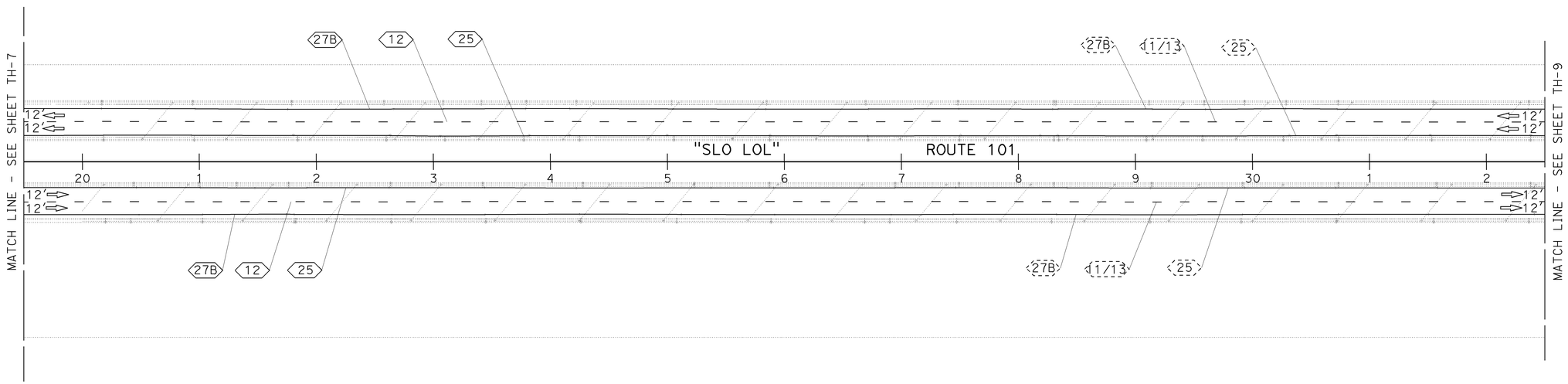
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0, 0.0/0.8	68	299

8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
HASSAN MAREI
No. C035068
Exp. 9-30-11
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.



THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

TRAFFIC HANDLING PLAN
STAGE 1A

SCALE: 1" = 50′ **TH-8**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **TRAFFIC DESIGN**

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: RAJESH PATEL
CHECKED BY: GURMIT GILL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:58

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0, 0.0/0.8	69	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

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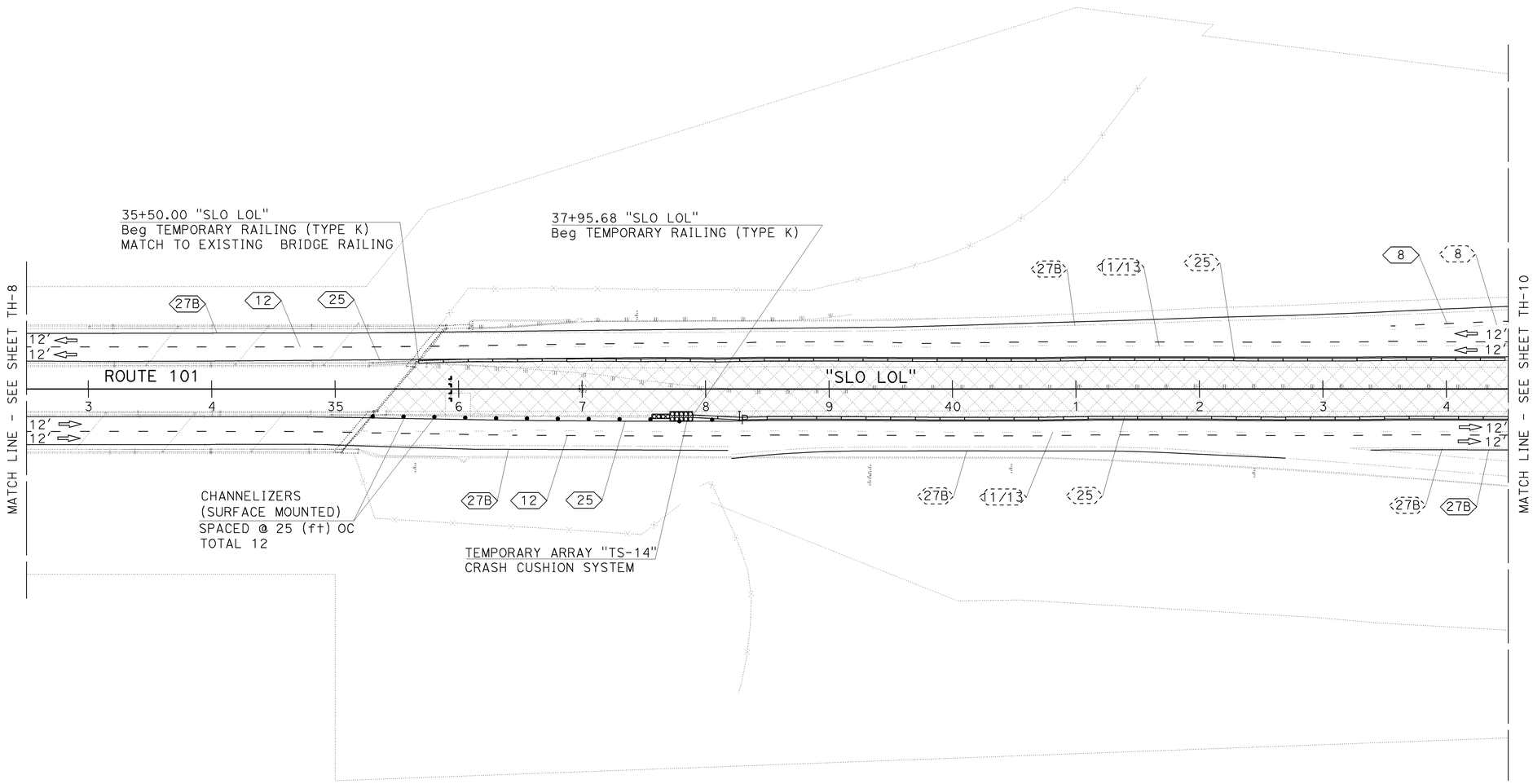

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

TRAFFIC HANDLING PLAN
STAGE 1A

SCALE: 1" = 50′ **TH-9**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MAREI

CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: RAJESH PATEL

REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:58

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0, 0.0/0.8	70	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

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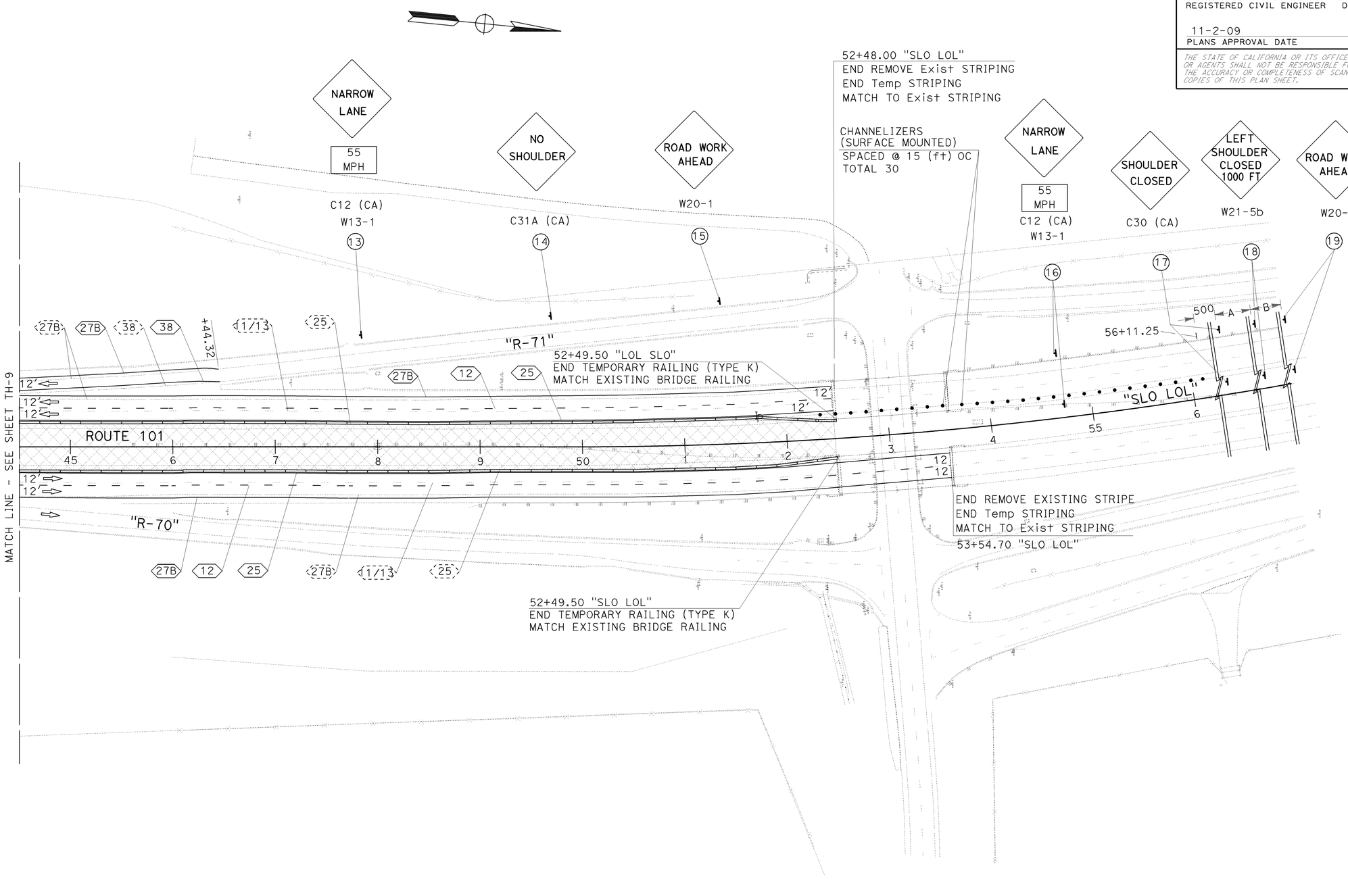

TRAFFIC HANDLING PLAN
STAGE 1A

SCALE: 1" = 50′ **TH-10**

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:58

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0, 0.0/0.8	71	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

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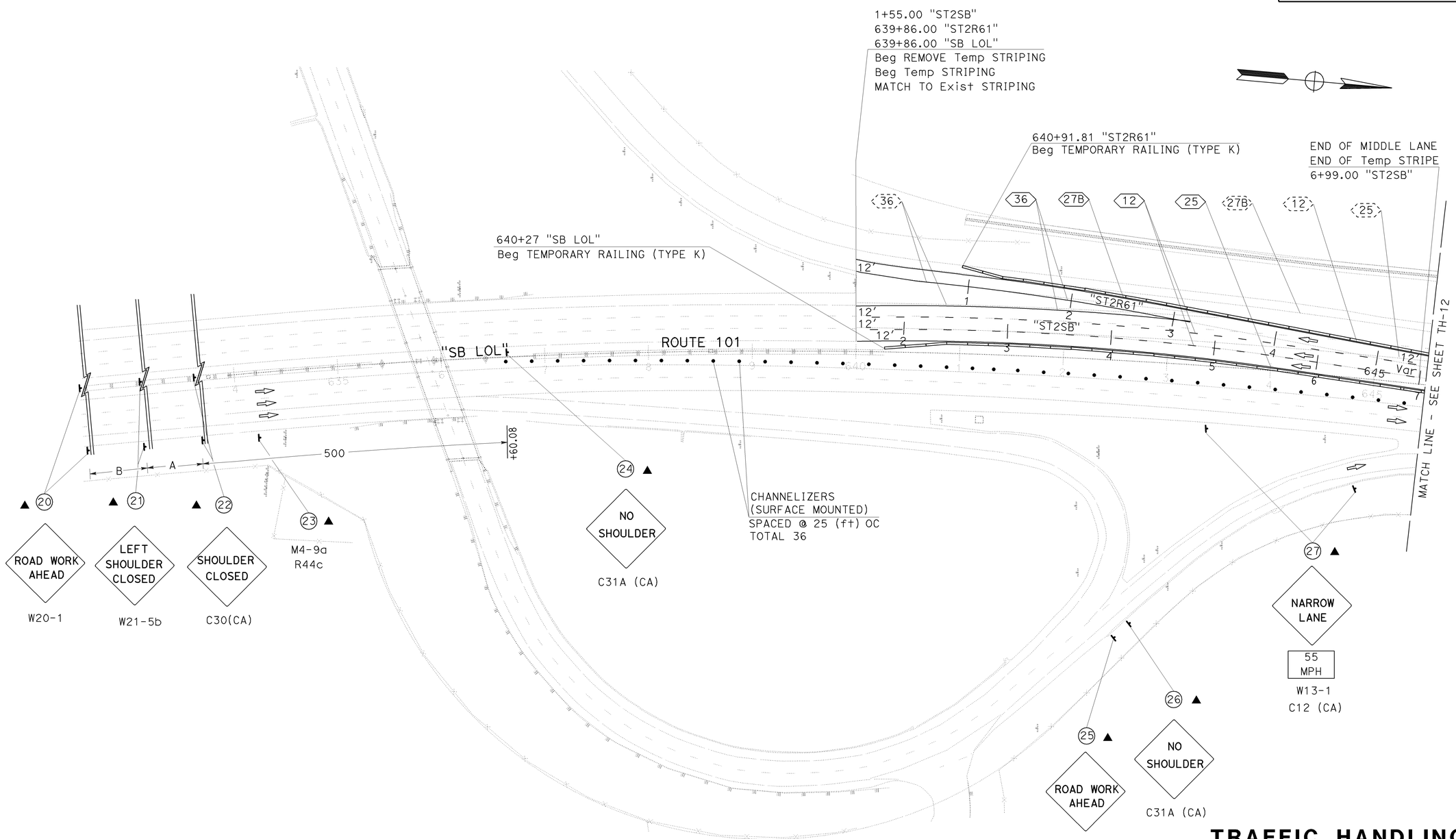

TRAFFIC:

NB TRAFFIC WILL REMAIN ON EXISTING ROADWAY.
SB TRAFFIC WILL ON NEW TEMPORARY MEDIAN ROADWAY.

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

TRAFFIC HANDLING PLAN
STAGE 2

SCALE: 1" = 50' **TH-11**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **TRAFFIC DESIGN**

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:58

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0, 0.0/0.8	72	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

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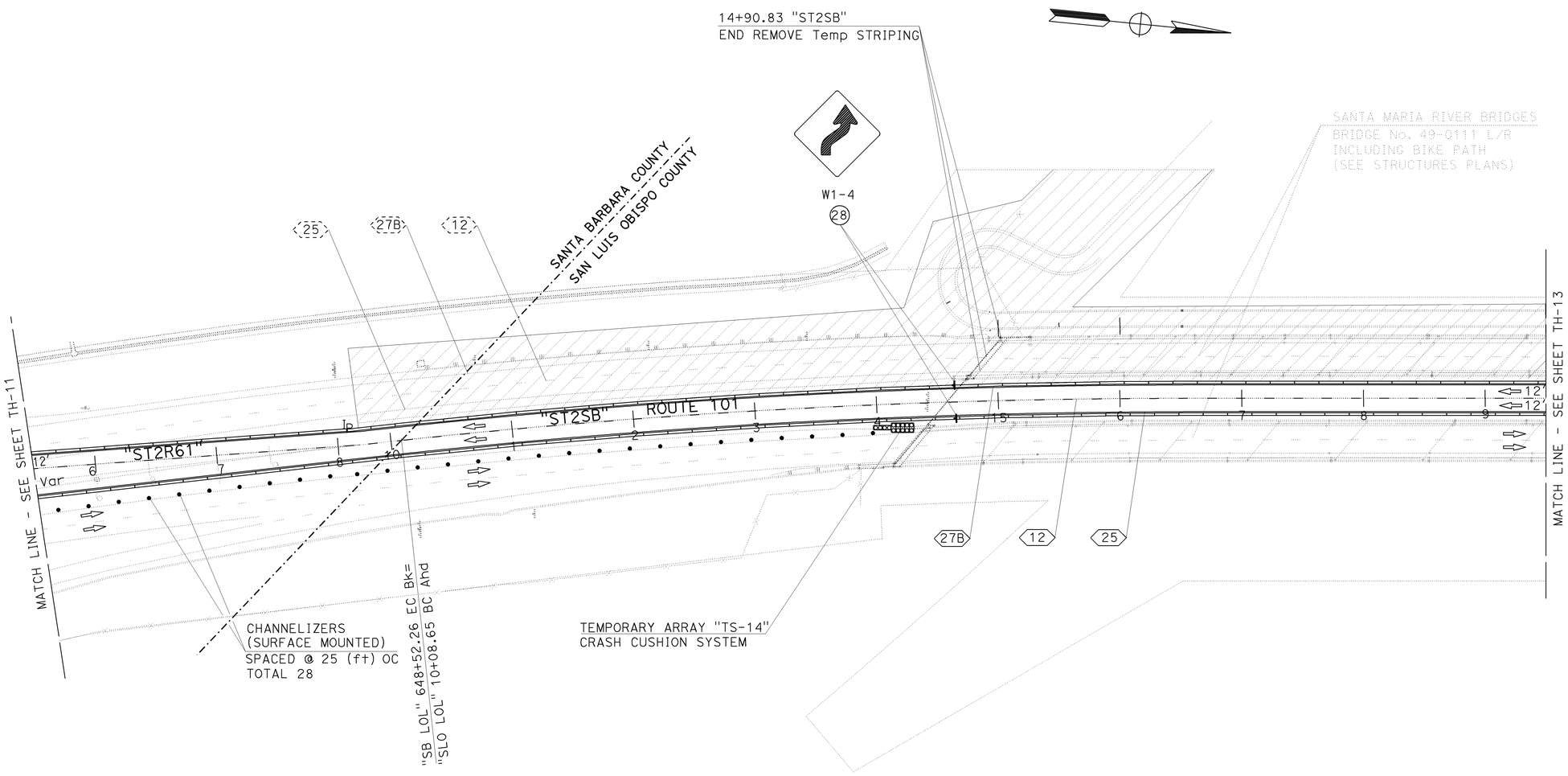

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

TRAFFIC HANDLING PLAN
STAGE 2

SCALE: 1" = 50′ **TH-12**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TRAFFIC DESIGN**

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09 | DATE PLOTTED => 15-DEC-2009 | TIME PLOTTED => 08:58

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0, 0.0/0.8	73	299

8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
HASSAN MAREI
No. C035068
Exp. 9-30-11
CIVIL
STATE OF CALIFORNIA

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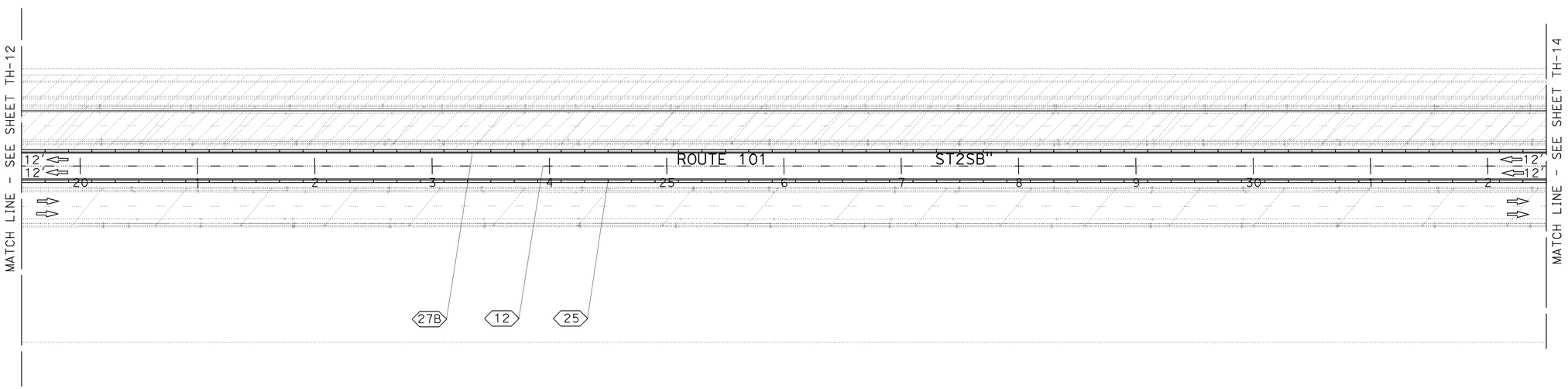

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

TRAFFIC HANDLING PLAN
STAGE 2

SCALE: 1" = 50' **TH-13**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:58

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0, 0.0/0.8	74	299

8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

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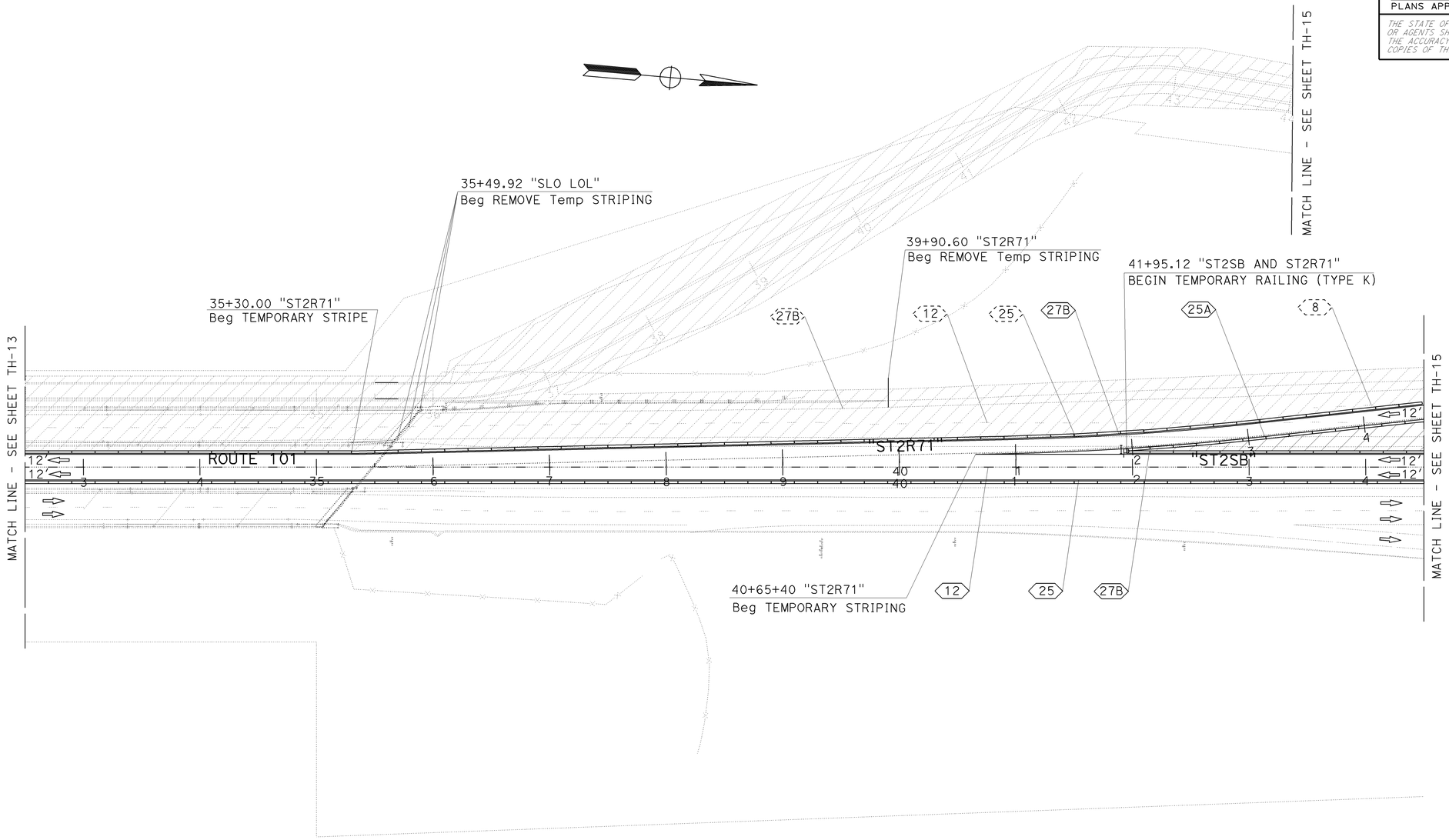


TRAFFIC HANDLING PLAN
STAGE 2

SCALE: 1" = 50' **TH-14**

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **TRAFFIC DESIGN**

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09 | DATE PLOTTED => 15-DEC-2009 | TIME PLOTTED => 08:58

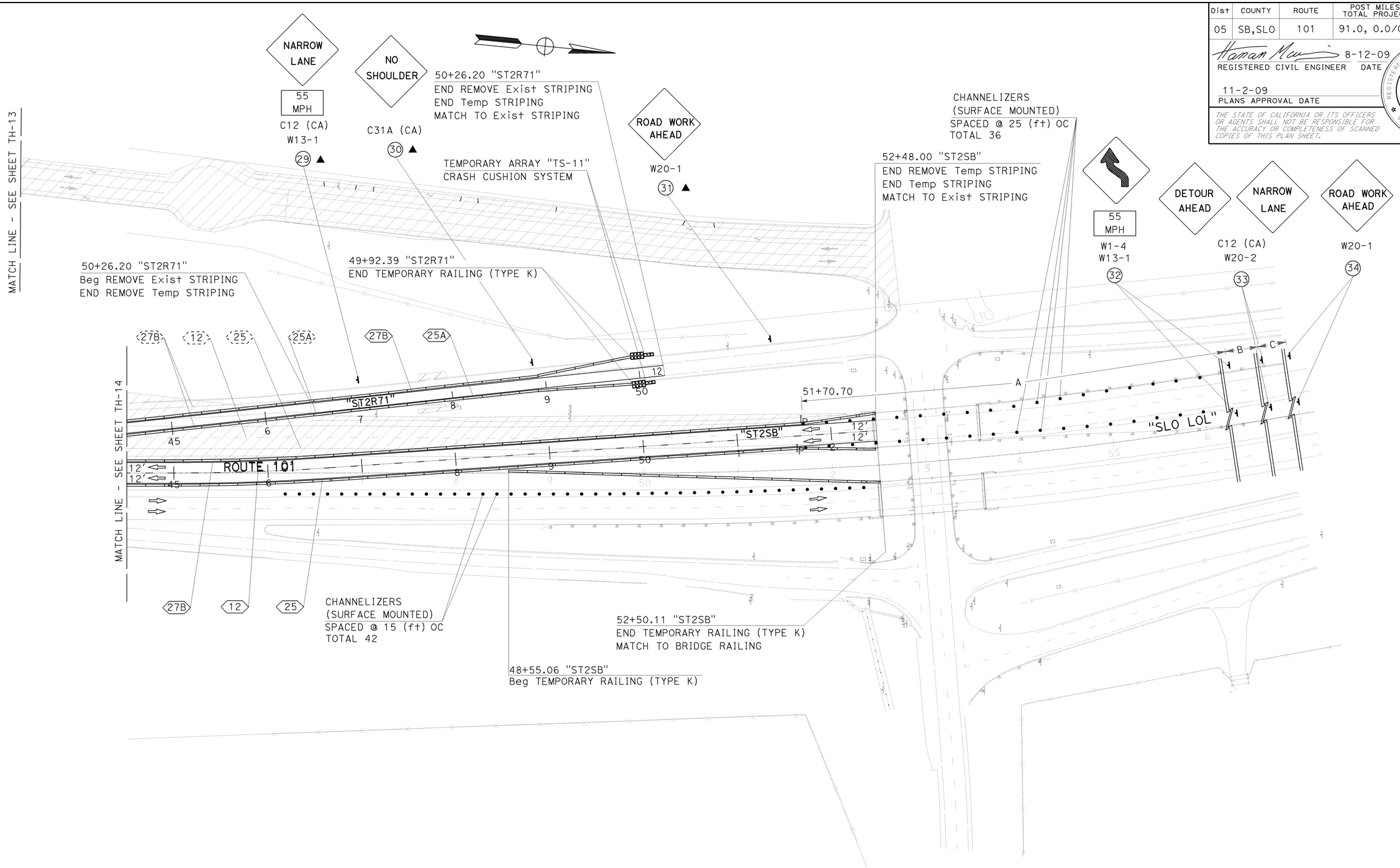
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0, 0.0/0.8	75	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 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.



TRAFFIC HANDLING PLAN
STAGE 2

SCALE: 1" = 50′ **TH-15**

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: RAJESH PATEL
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DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:58

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0, 0.0/0.8	76	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

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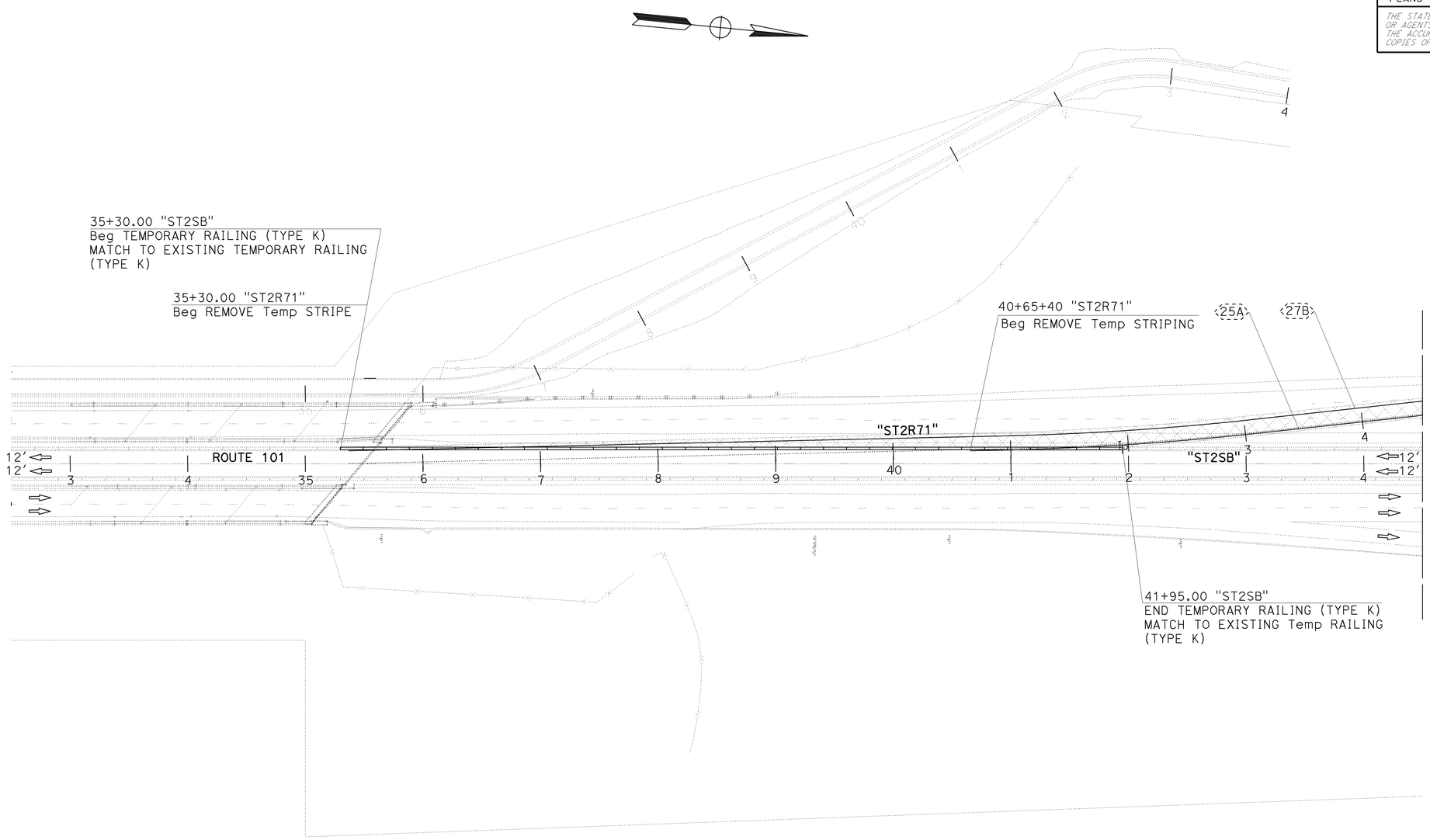

TRAFFIC HANDLING PLAN
STAGE 2A

SCALE: 1" = 50′ **TH-16**

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **TRAFFIC DESIGN**

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CALCULATED-DESIGNED BY: GURMIT GILL
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REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:58

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0, 0.0/0.8	77	299

8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
HASSAN MAREI
No. C035068
Exp. 9-30-11
CIVIL
STATE OF CALIFORNIA

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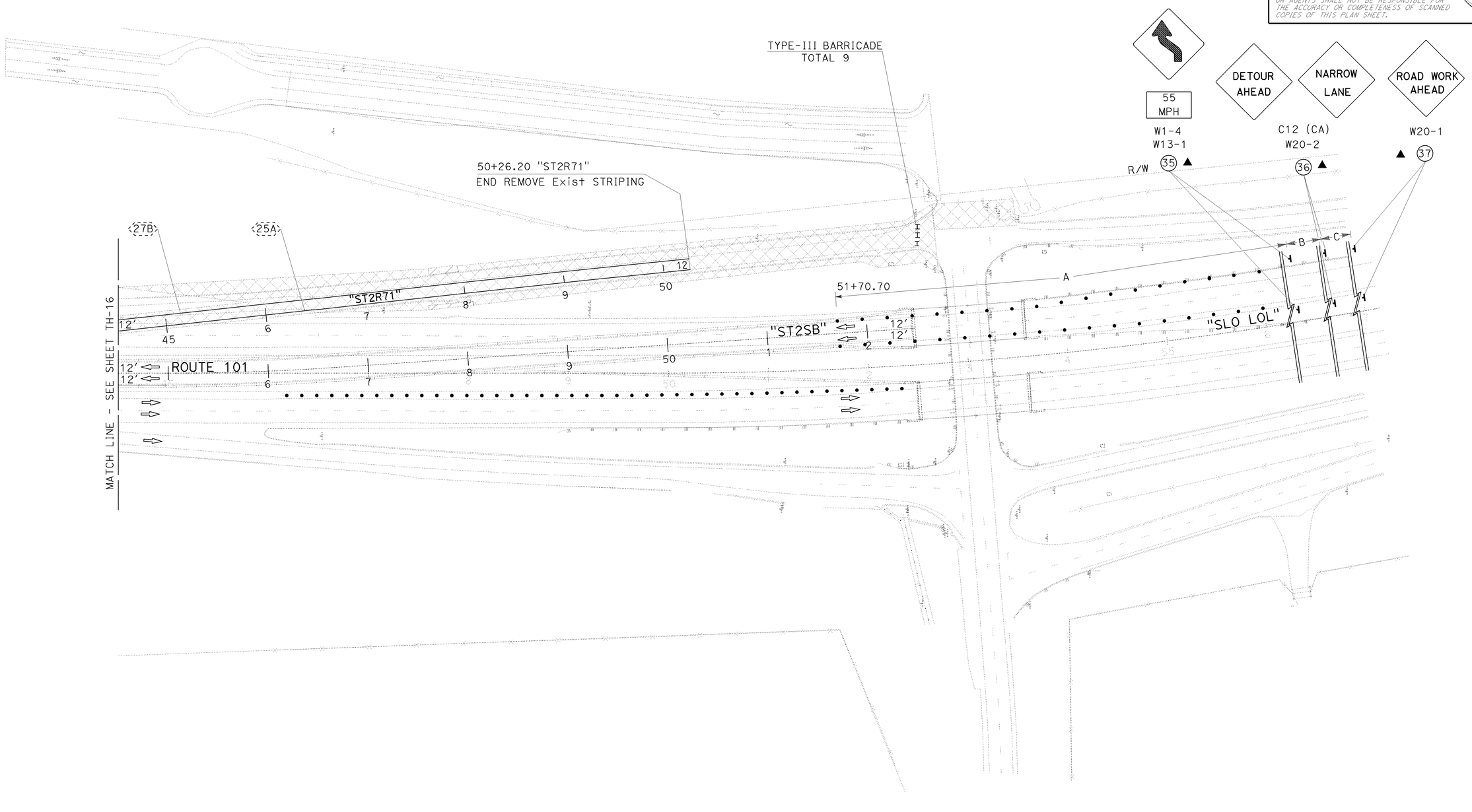

TRAFFIC HANDLING PLAN
STAGE 2A

SCALE: 1" = 50'

TH-17

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:59

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0, 0.0/0.8	78	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

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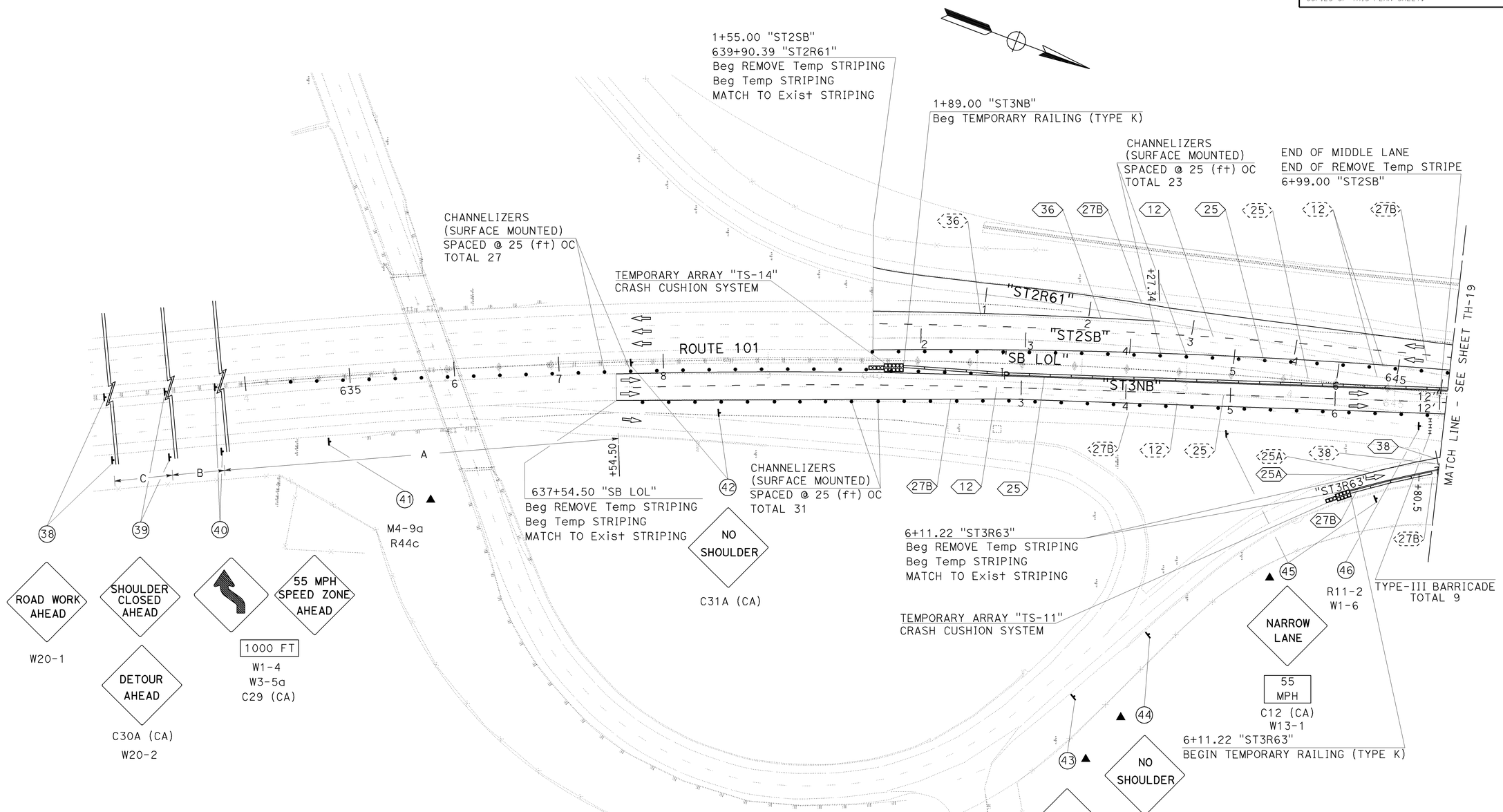
NOTES:

1. PAVE TEMPORARY DETOUR AT NB AND SB ENDS, AND REMOVE EXISTING STRIPE.
2. PLACE TEMPORARY STRIPE FOR NB ROUTE 101; DIVERT NB TRAFFIC ON TEMPORARY MEDIAN ROADWAY.
3. PLACE TEMPORARY STRIPE FOR SB ROUTE 101; DIVERT SB TRAFFIC ON NEW WEST SPAN BRIDGE ROADWAY.
4. SIGN 47,48,54 , USE DURING THE STAGE 3A.



TRAFFIC:
SB TRAFFIC WILL BE ON NEW WEST SPAN BRIDGE ROADWAY.
NB TRAFFIC WILL ON NEW TEMPORARY MEDIAN ROADWAY.

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

TRAFFIC HANDLING PLAN
STAGE 3

SCALE: 1" = 50′ **TH-18**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **TRAFFIC DESIGN**

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CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:59

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0, 0.0/0.8	79	299

8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
HASSAN MAREI
No. C035068
Exp. 9-30-11
CIVIL
STATE OF CALIFORNIA

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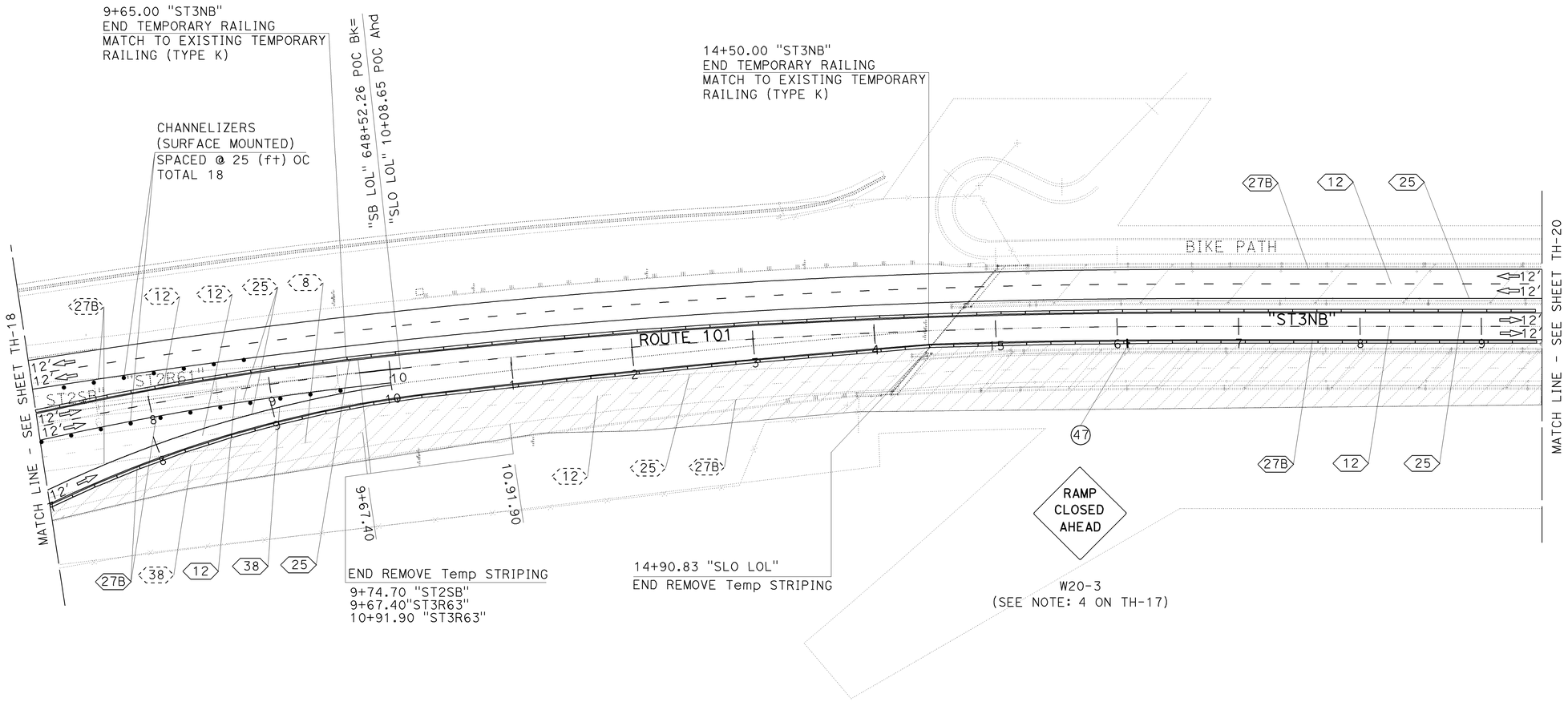

TRAFFIC HANDLING PLAN
STAGE 3

SCALE: 1" = 50'

TH-19

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

CALCULATED-DESIGNED BY	GURMIT GILL	REVISED BY
CHECKED BY	RAJESH PATEL	DATE REVISED

FUNCTIONAL SUPERVISOR: HASSAN MAREI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

LAST REVISION 08-12-09 | DATE PLOTTED => 15-DEC-2009 | TIME PLOTTED => 08:59

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0, 0.0/0.8	80	299

8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
HASSAN MAREI
No. C035068
Exp. 9-30-11
CIVIL
STATE OF CALIFORNIA

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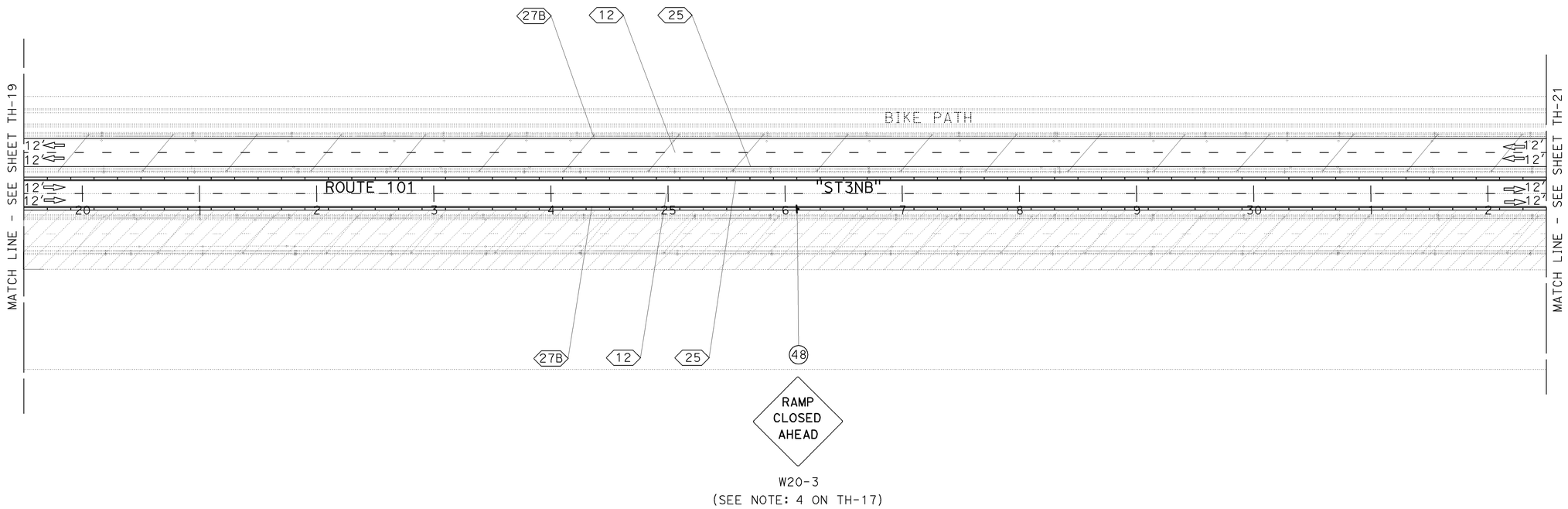

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

TRAFFIC HANDLING PLAN
STAGE 3

SCALE: 1" = 50' **TH-20**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 08:59

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0, 0.0/0.8	81	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

HASSAN MAREI No. C035068 Exp. 9-30-11 CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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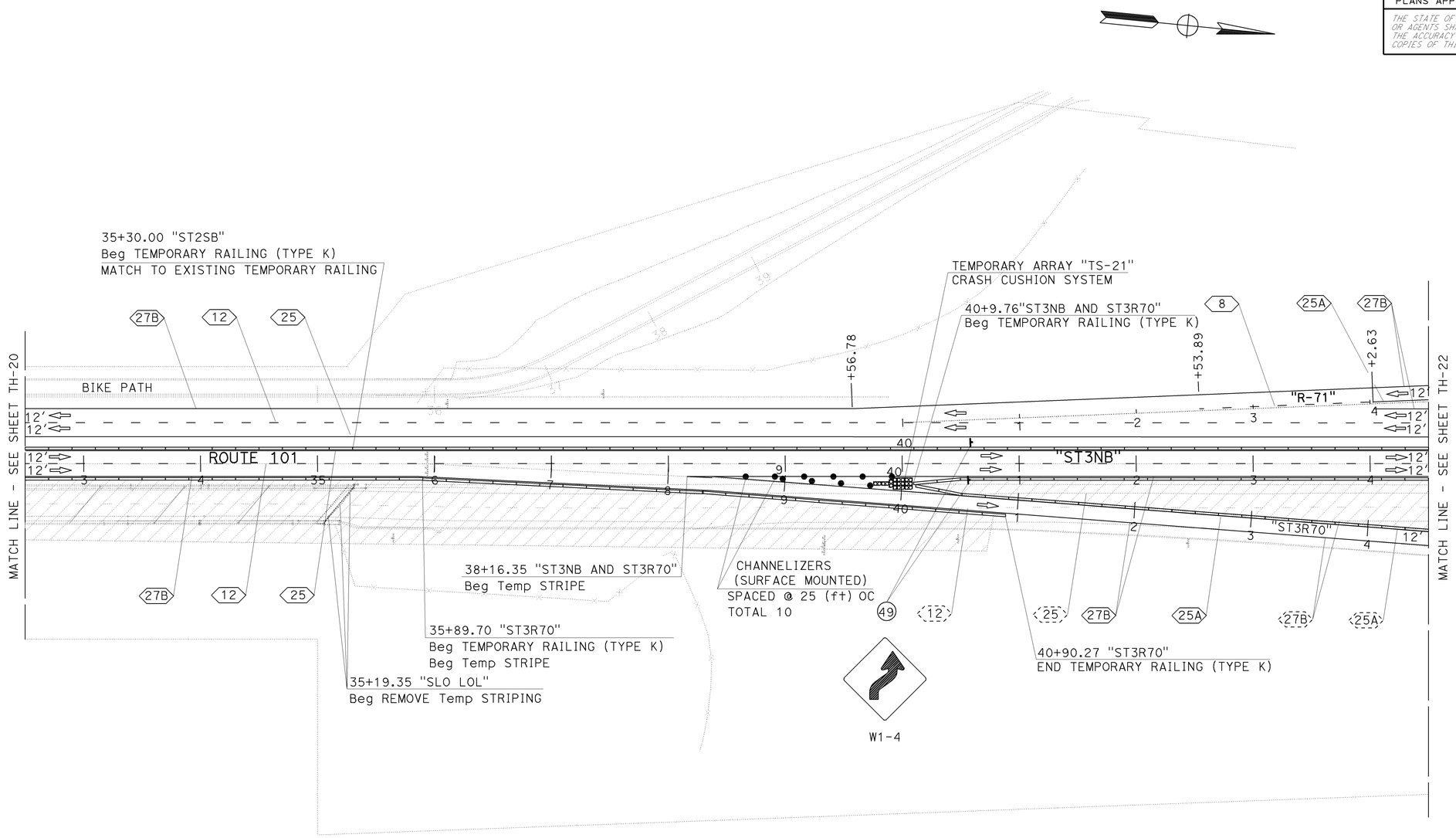

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

TRAFFIC HANDLING PLAN
STAGE 3

SCALE: 1" = 50′ **TH-21**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TRAFFIC DESIGN**

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09 | DATE PLOTTED => 15-DEC-2009 | TIME PLOTTED => 08:59

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	82	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

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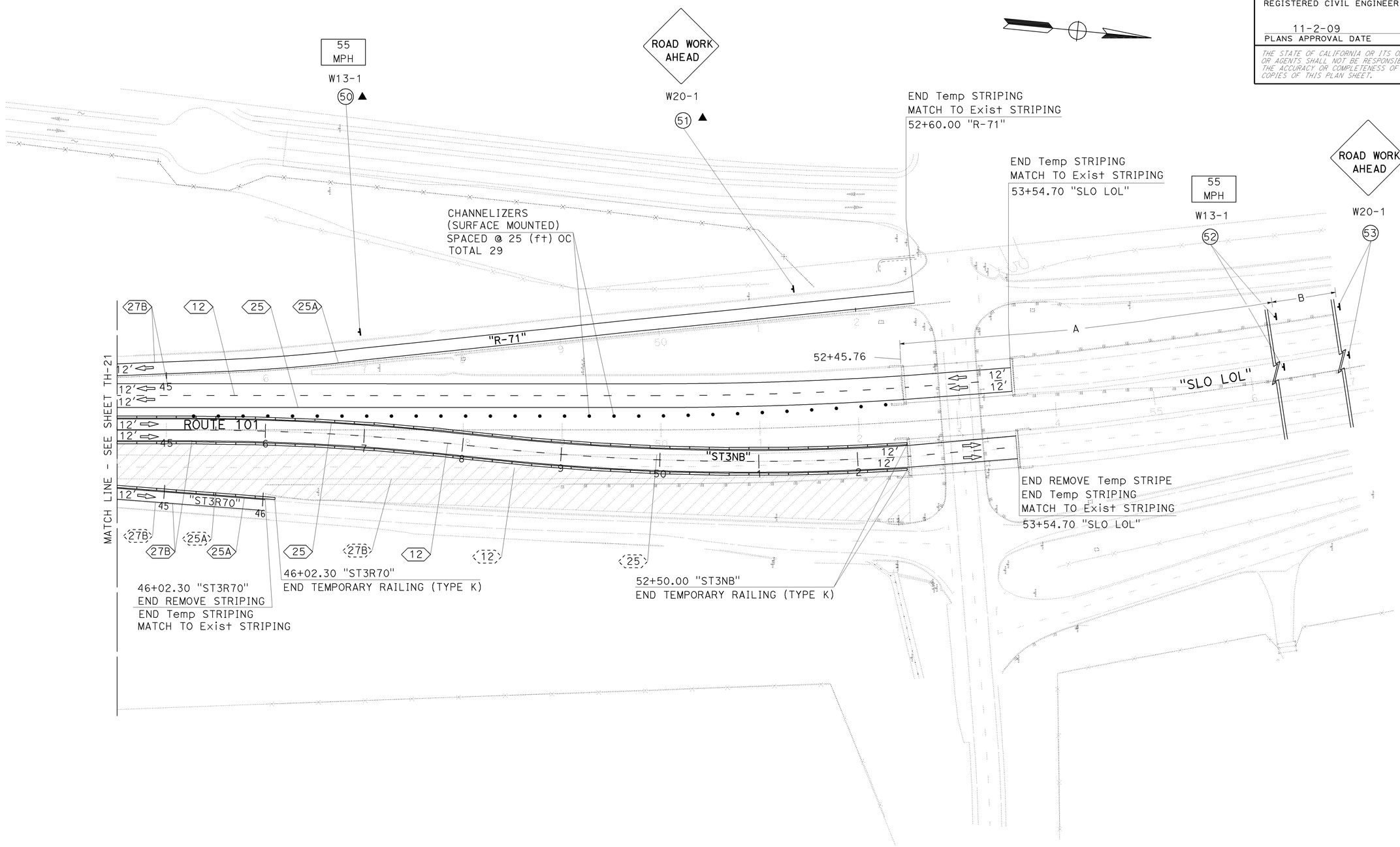

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

TRAFFIC HANDLING PLAN
STAGE 3

SCALE: 1"=50' **TH-22**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **TRAFFIC DESIGN**

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: RAJESH PATEL
CHECKED BY: GURMIT GILL
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 15-DEC-2009
08-12-09 TIME PLOTTED => 08:59

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	83	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

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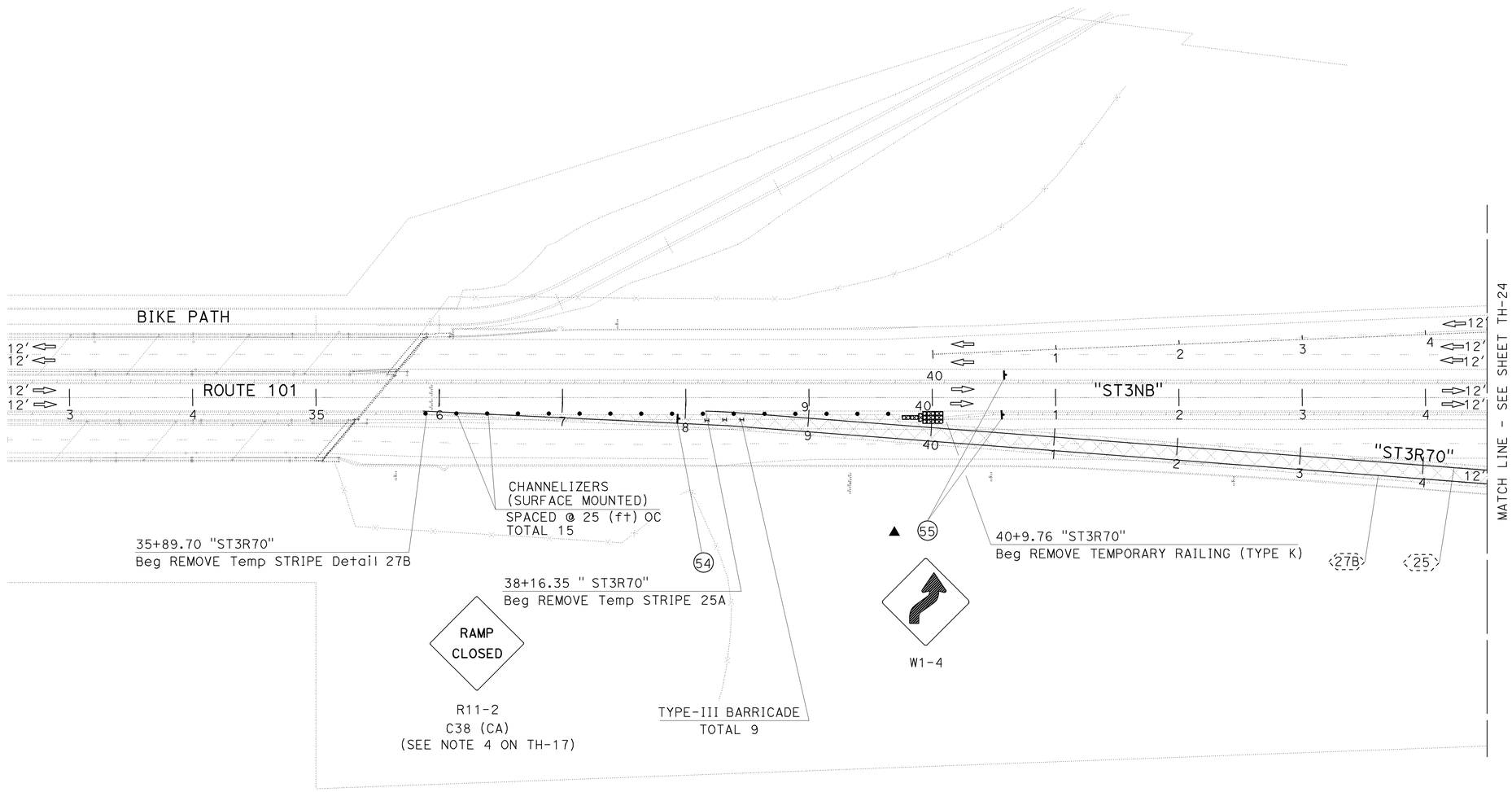

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

TRAFFIC HANDLING PLAN
STAGE 3A

SCALE: 1"=50' **TH-23**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **TRAFFIC DESIGN**

FUNCTIONAL SUPERVISOR: HASSAN MAREI
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REVISED BY
DATE REVISED

LAST REVISION 08-12-09 | DATE PLOTTED => 15-DEC-2009 | TIME PLOTTED => 08:59

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	84	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

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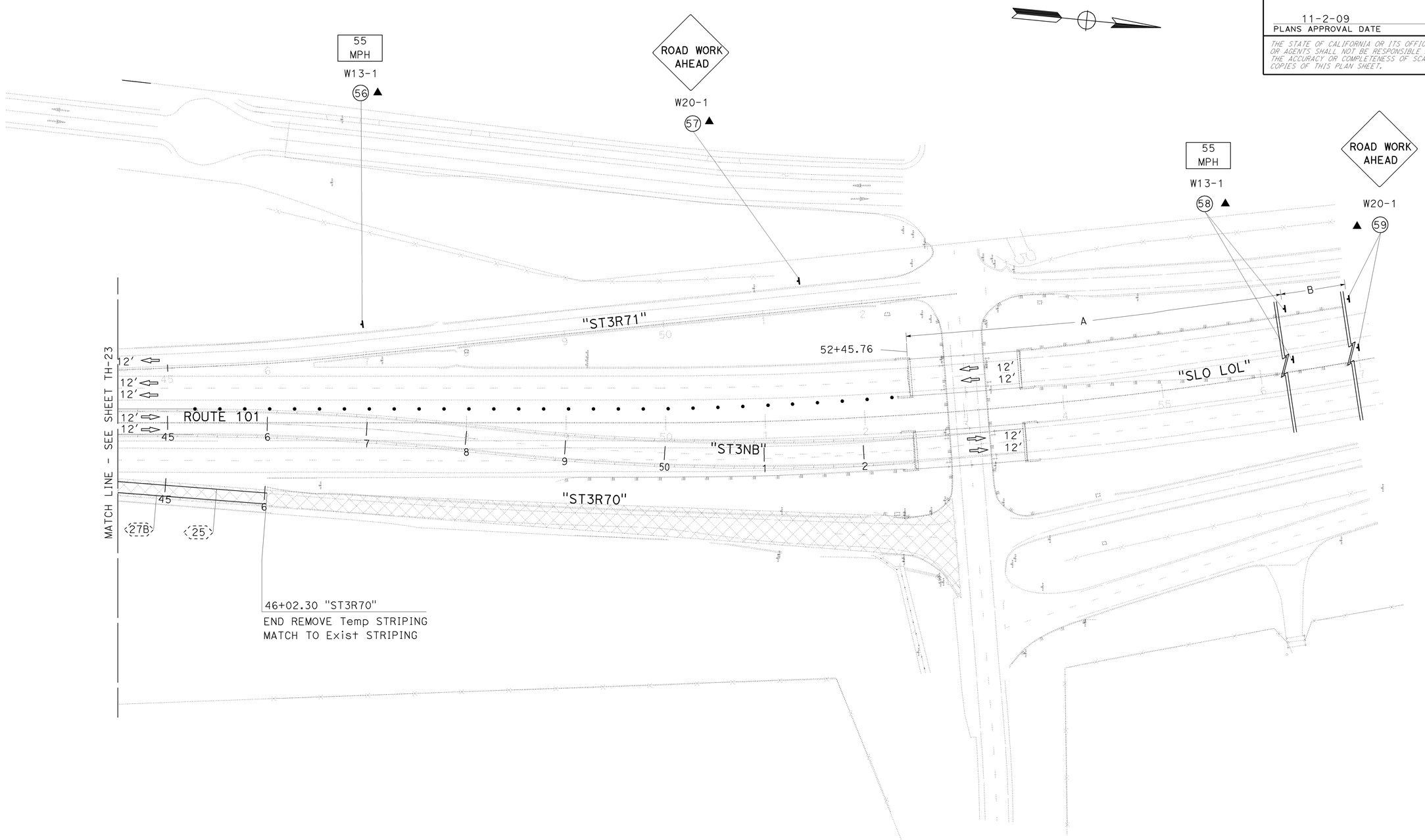

TRAFFIC HANDLING PLAN
STAGE 3A

SCALE: 1"=50' **TH-24**

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 15-DEC-2009
08-12-09 TIME PLOTTED => 08:59

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	85	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

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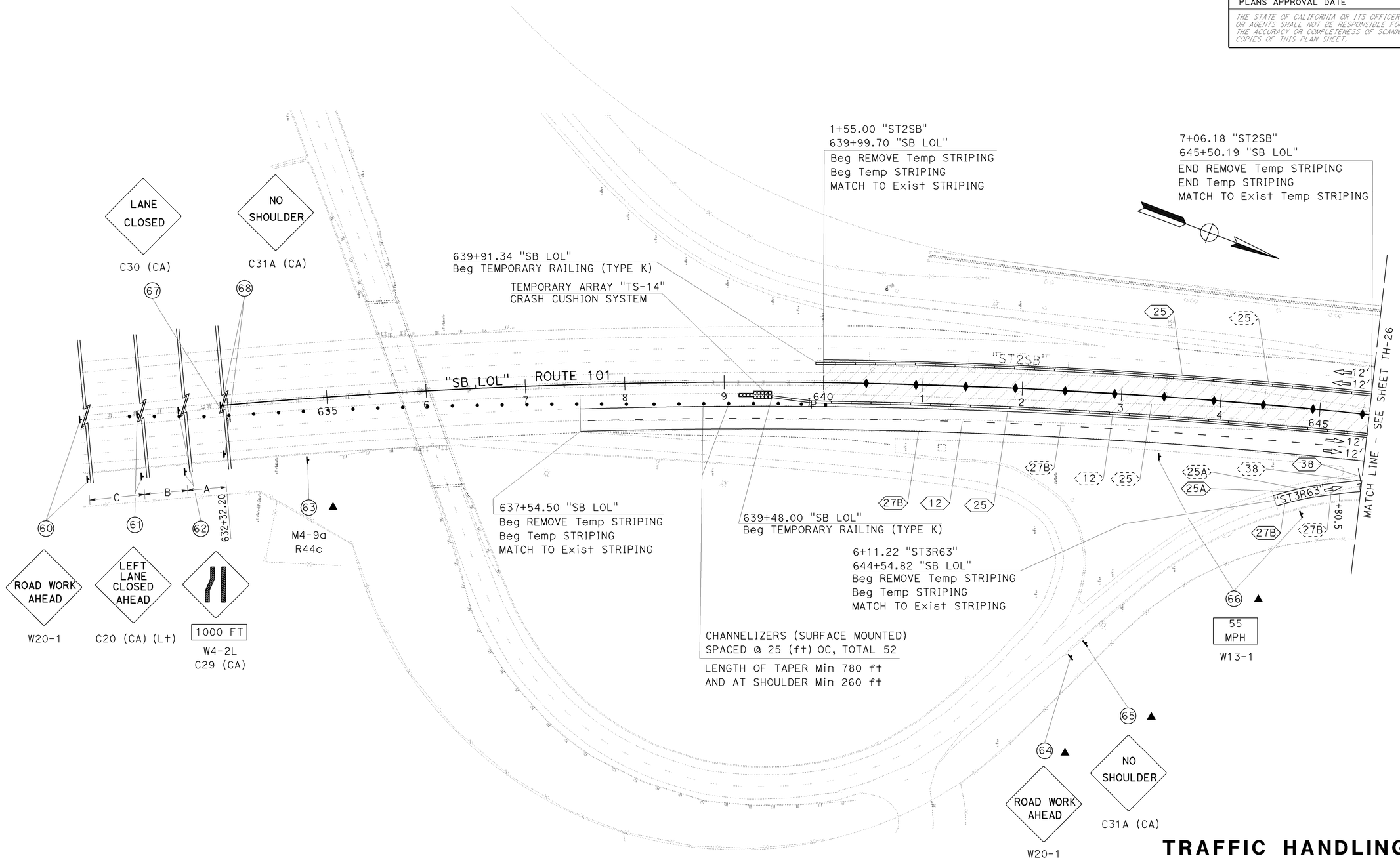
NOTE:

1. PLACE TEMPORARY STRIPE FOR NB ROUTE 101; DIVERT NB TRAFFIC ON NEW EAST SPAN BRIDGE ROADWAY. SB TRAFFIC WILL REMAIN ON EXISTING ROADWAY.



THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

TRAFFIC HANDLING PLAN
STAGE 4

SCALE: 1"=50' **TH-25**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: GURMIT GILL
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REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 09:00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	86	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

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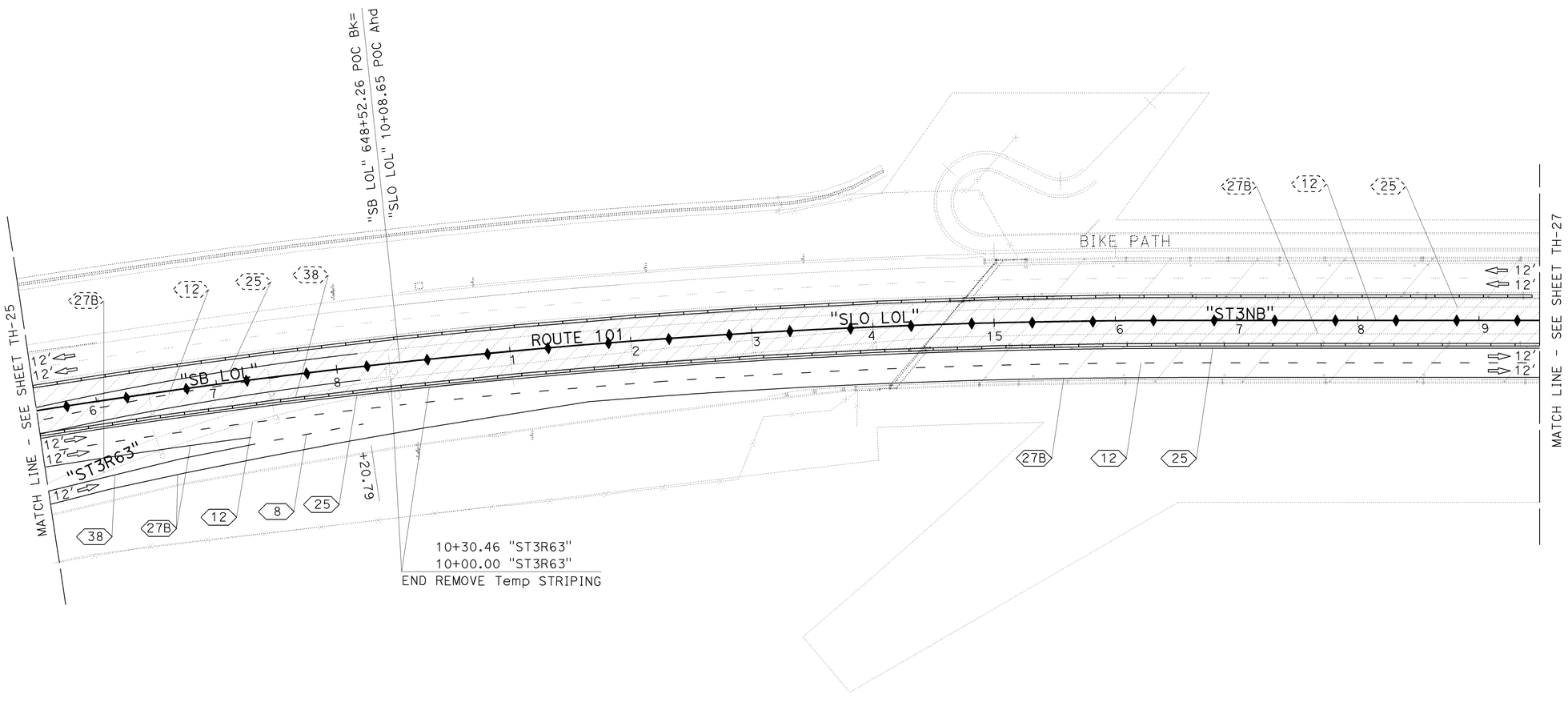

TRAFFIC HANDLING PLAN
STAGE 4

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

SCALE: 1"=50' **TH-26**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans **TRAFFIC DESIGN**

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 09:00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	87	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

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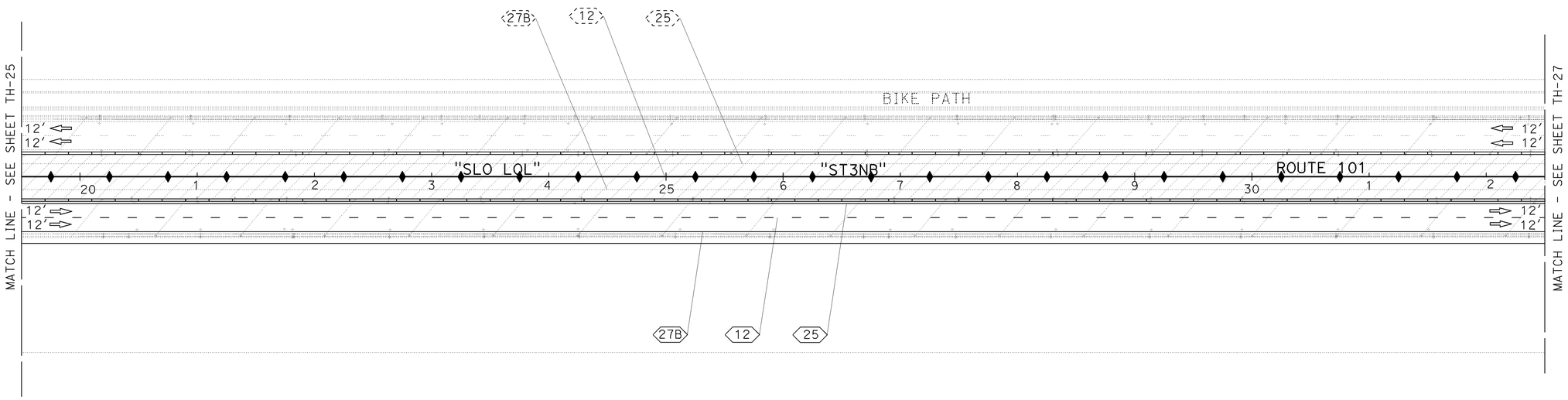

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

TRAFFIC HANDLING PLAN
STAGE 4

SCALE: 1"=50' **TH-27**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **TRAFFIC DESIGN**

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: GURMIT GILL
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REVISED BY / DATE REVISED

LAST REVISION 08-12-09 | DATE PLOTTED => 15-DEC-2009 | TIME PLOTTED => 09:00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	88	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

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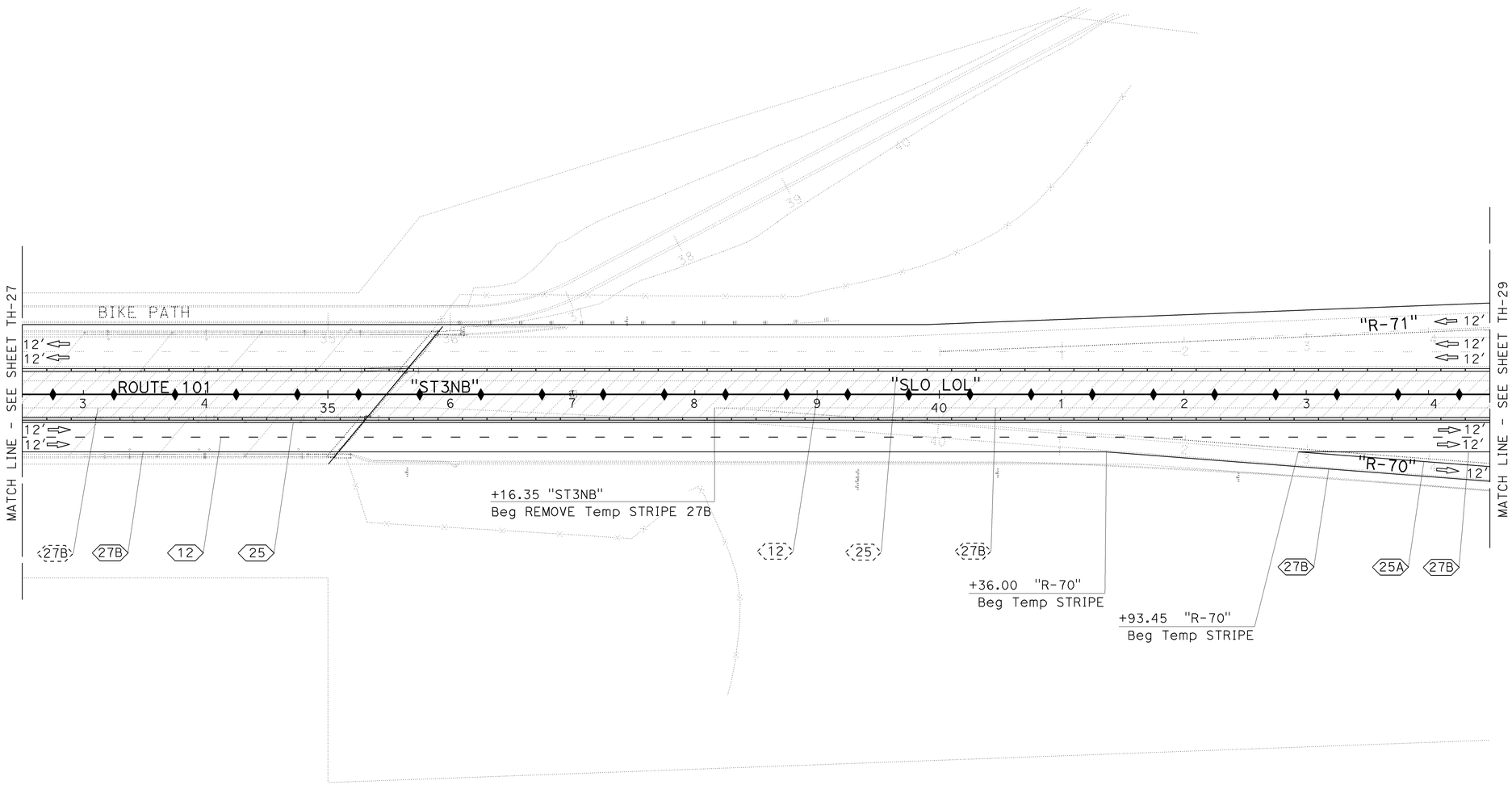

TRAFFIC HANDLING PLAN
STAGE 4

SCALE: 1"=50′ **TH-28**

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **TRAFFIC DESIGN**

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09 | DATE PLOTTED => 15-DEC-2009 | TIME PLOTTED => 09:00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	89	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

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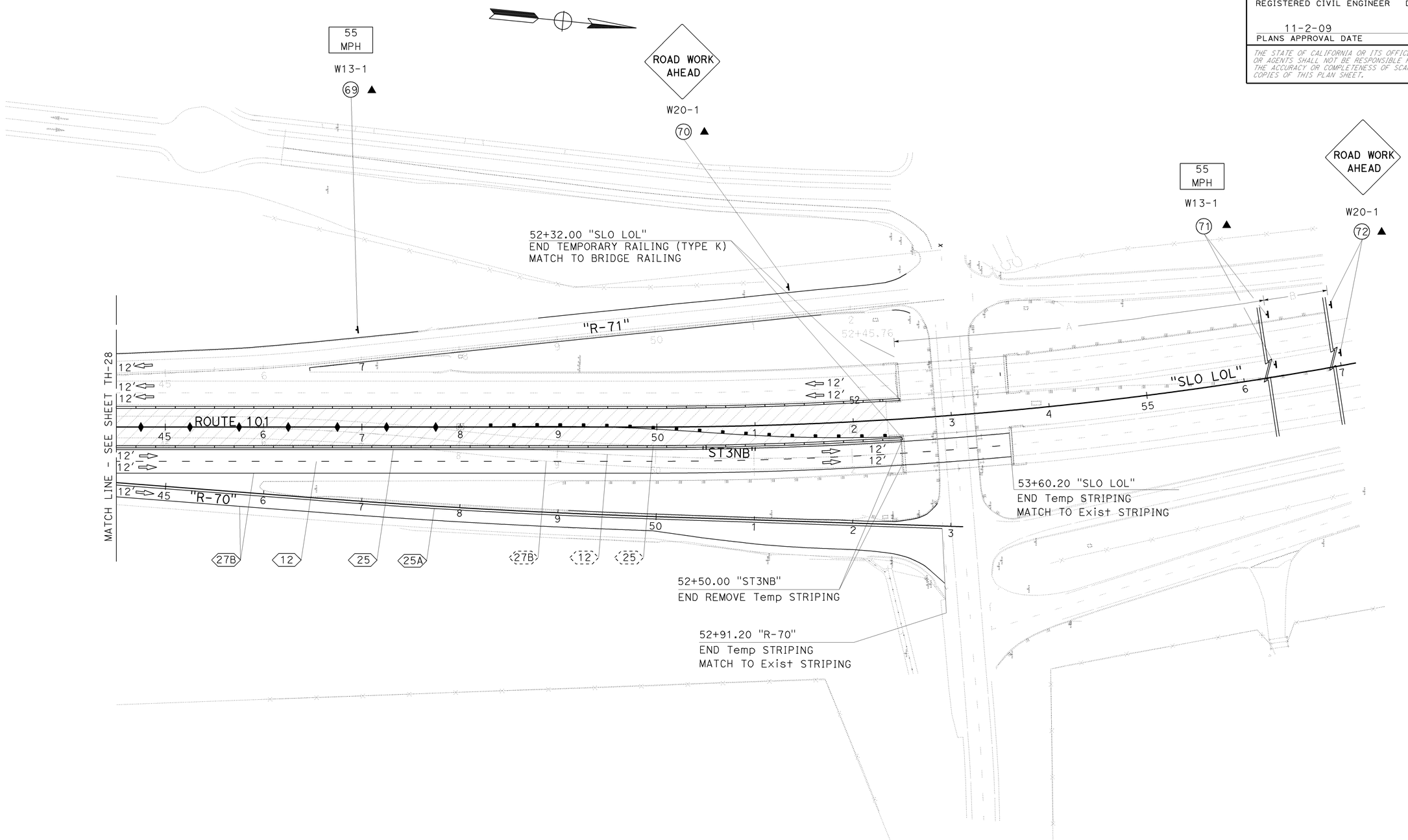

THIS PLAN ACCURATE FOR TRAFFIC HANDLING WORK ONLY.

TRAFFIC HANDLING PLAN
STAGE 4

SCALE: 1"=50′ **TH-29**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® **TRAFFIC DESIGN**

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: RAJESH PATEL
REVISED BY / DATE REVISED

LAST REVISION 08-12-09 DATE PLOTTED => 15-DEC-2009 TIME PLOTTED => 09:00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	90	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
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TRAFFIC HANDLING PAVEMENT DELINEATION

STAGE No.	SHEET No.	DETAIL No.	STATION LIMIT	REMOVE PAVEMENT MARKER *	TEMPORARY PAVEMENT MARKER TYPE G	TEMPORARY PAVEMENT MARKER TYPE H	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE * YELLOW 4 (IN)	REMOVE THERMOPLASTIC TRAFFIC STRIPE * WHITE 4 (IN)	* THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) YELLOW 4 (IN)	* THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) WHITE 4 (IN)	REMOVE TEMPORARY THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) YELLOW 4 (IN)	REMOVE TEMPORARY THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) WHITE 4 (IN)	TEMPORARY CRASH CUSHION SYSTEM ARRAY " TS-11 and TS-14 "	(N) OBJECT MARKER TYPE P	CHANNELIZER (SURFACE-MOUNTED)	TYPE III BARRICADE
				EA			LF		LF		LF		EA			
1A	TH-6	27B	639+86.00 TO 645+50.00 - OFF RAMP-"SB LOL" LINE					564		564			14	1	15	
		11/13	639+86.00 TO 645+50.00 - SB-"SB LOL" LINE	65				264								
		12			13					564						
		25		13		13	564		564							
		11/13	637+54.50 TO 645+50.00 - NB-"SB LOL" LINE	90				168								
		12			18					796						
		25		18		18	796		796							
		27B						796		796						
		36	SB OFF RAMP/ SB - "SB LOL" LINE	29	29			700		1400						
		25A	NB ON RAMP "SB LOL" LINE	5		5	92		92							
		27B						92		92						
	TH-7	11/13	645+50.00 TO 648+52.26 - "SB LOL" LINE	75				144								
		12			15					604						
		27B						481		481						
		25		15		15	604		604							
		11/13	10+08.65 TO 19+50.00 - "SLO LOL" LINE	210				401								
		12			42					1883						
		27B						1474		1474						
		25		42		42	1883		1883							
		27B	NB ON RAMP "SB LOL" LINE					385		385						
		38		8		8		177		354						
		8						27		86						
	TH-8	11/13	19+50.00 TO 32+50.00 - "SLO LOL" LINE	280				544								
		12			56					2600						
		27B						2600		2600						
		25		56		56	2600		2600							
SUBTOTAL				906.00	173.00	157.00	6539.00	8817.00	6539.00	14,679.00			14	1	15	

(N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY
* ITEM INCLUDED IN PAVEMENT DELINEATION QUANTITIES

TRAFFIC HANDLING QUANTITIES

THQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: JOE ERWIN
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09 DATE PLOTTED => 15-DEC-2009 TIME PLOTTED => 09:00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	91	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 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.

TRAFFIC HANDLING PAVEMENT DELINEATION

STAGE No.	SHEET No.	DETAIL No.	STATION LIMIT	REMOVE PAVEMENT MARKER *	TEMPORARY PAVEMENT MARKER TYPE G	TEMPORARY PAVEMENT MARKER TYPE H	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE * YELLOW 4 (IN)	REMOVE THERMOPLASTIC TRAFFIC STRIPE * WHITE 4 (IN)	* THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) YELLOW 4 (IN)	* THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) WHITE 4 (IN)	REMOVE TEMPORARY THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) YELLOW 4 (IN)	REMOVE TEMPORARY THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) WHITE 4 (IN)	TEMPORARY CRASH CUSHION SYSTEM ARRAY " TS-11 and TS-14 "	(N) OBJECT MARKER TYPE P	CHANNELIZER (SURFACE-MOUNTED)	TYPE III BARRICADE
				EA			LF		LF		LF		EA			
1A	TH-9	11/13	32+50.00 TO 44+50.00 - "SLO LOL" LINE	280				544					14	1	12	
		12			56					2600						
		25		56		56	2600		2600							
		27B						2330		2330						
	TH-10	11/13	44+50.00 TO 52+48.00 - SB - "SLO LOL" LINE	95				172						1	30	
		12			19					798						
		25		19		19	798		798							
		27B						798		798						
		38	R-71 ON RAMP - "SB LOL" LINE	9	9			197		394						
		27B						195		195						
		11/13	44+50.00 TO 53+54.70 - NB - "SLO LOL" LINE	100				193								
		12			20					905						
		25		20		20	1703		905							
		27B						905		905						
SUBTOTAL				579.00	104.00	95.00	5101.00	5334.00	4303.00	8925.00			14	2	42	

TRAFFIC HANDLING QUANTITIES

THQ-2

REVISED BY | DATE REVISED

JOE ERWIN | RAJESH PATEL

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: HASSAN MAREI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® TRAFFIC DESIGN

LAST REVISION 08-12-09 | DATE PLOTTED => 15-DEC-2009 | TIME PLOTTED => 09:00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	92	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 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.

TRAFFIC HANDLING PAVEMENT DELINEATION

STAGE No.	SHEET No.	DETAIL No.	STATION LIMIT	REMOVE PAVEMENT MARKER *	TEMPORARY PAVEMENT MARKER TYPE G	TEMPORARY PAVEMENT MARKER TYPE H	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE * YELLOW 4 (IN)	REMOVE THERMOPLASTIC TRAFFIC STRIPE * WHITE 4 (IN)	* THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) YELLOW 4 (IN)	* THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) WHITE 4 (IN)	REMOVE TEMPORARY THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) YELLOW 4 (IN)	REMOVE TEMPORARY THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) WHITE 4 (IN)	TEMPORARY CRASH CUSHION SYSTEM ARRAY " TS-11 and TS-14 "	(N) OBJECT MARKER TYPE P	CHANNELIZER (SURFACE-MOUNTED)	TYPE III BARRICADE
				EA			LF		LF		LF		EA			
2	TH-11	27B	639+86.00 TO 645+50.00 - "ST2R61" LINE					564		564			14	1	36	
		25	1+55.00 TO 7+6.18 - "ST2SB" LINE			13			551.18							
		12			25					1102.4						
		12	639+86.00 TO 645+50.00 - "SB LOL" LINE	13				141								
		25		13			564.00									
		36	ST2R61LINE / "SB LOL" LINE	29	29			700		1296						
	TH-12	27B	8+70.60 TO 14+90.83 - "SLO LOL" LINE					620.83					14	1	28	
		25		14			620.23									
		12		14				167.06								
		12	645+50.00 TO 647+18.80 - "SB LOL" LINE	5				54.2								
		27B						168.8								
		25		5			168.8									
		27B	7+6.18 TO 19+50.00 - "ST2SB" LINE							1243.82						
		25				27			1243.82							
		12			27					1243.82						
	TH-13	27B	19+50.00 TO 32+50.00 - "ST2SB" LINE							1300						
		25				28			1300							
		12			28					1300						
	TH-14	27B	32+50.00 TO 44+50.00 - "ST2SB" LINE							672				1		
		25				26			1200							
		12			26					1200						
		27B	35+30.00 TO 44+50.00 - "ST2R71" LINE							920						
		25A	40+65.40 TO 44+50.00 - "ST2R71" LINE			17			385							
		27B/8						489.16								
		27B	35+49.92 TO 39+90.60 - "SLO LOL" LINE					440.68								
		25	35+49.92 TO 44+50.00 - "SLO LOL" LINE	19			900									
		12		97				192.02								
SUBTOTAL				209.00	135.00	111.00	2253.03	3537.75	4680.00	10,842.04			14	2	64	

TRAFFIC HANDLING QUANTITIES

THQ-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: JOE ERWIN
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09 DATE PLOTTED => 15-DEC-2009 TIME PLOTTED => 09:00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	93	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 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.

TRAFFIC HANDLING PAVEMENT DELINEATION

STAGE No.	SHEET No.	DETAIL No.	STATION LIMIT	REMOVE PAVEMENT MARKER *	TEMPORARY PAVEMENT MARKER TYPE G	TEMPORARY PAVEMENT MARKER TYPE H	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE * YELLOW 4 (IN)	REMOVE THERMOPLASTIC TRAFFIC STRIPE * WHITE 4 (IN)	* THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) YELLOW 4 (IN)	* THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) WHITE 4 (IN)	REMOVE TEMPORARY THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) YELLOW 4 (IN)	REMOVE TEMPORARY THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) WHITE 4 (IN)	TEMPORARY CRASH CUSHION SYSTEM ARRAY " TS-11 and TS-14 "	(N) OBJECT MARKER TYPE P	CHANNELIZER (SURFACE-MOUNTED)	TYPE III BARRICADE
				EA			LF		LF		LF		EA			
2	TH-15	27B	44-50.00 TO 52+48.00 - "ST2SB" LINE							798.0			22	2	78	
		25				18			798.0							
		12			18					798.0						
		27B	44-50.00 TO 52+48.00 - "SLO LOL" LINE					798.0								
		25		18			798.0									
		12		18				199.5								
		25A	44+50.00 TO 52+26.20 - "ST2R71" LINE	25		25	576.20		576.20							
		27B						576.20		576.20						
2A	TH-16	25A	40+65.40 TO 44+50.00 - "ST2R71" LINE	17							385.0					
		27B	35+30.00 TO 44+50.00 - "ST2R71" LINE									920.0				
2A	TH-17	25A	44+50.00 TO 50+26.20 - "ST2R71" LINE	25							576.20					9
		27B										576.20				
3	TH-18	27B	639+90.39 TO 645+50.00 - "ST2R61" LINE							559.61		559.61	25	1	81	9
		25	1+55.00 TO 7+06.18 - "ST2SB" LINE	13		13			551.18		551.18					
		12		25	13					551.18		275.59				
		36	1+55.00 TO 4+27.34 - "ST2SB" LINE	15	14					544.68		272.34				
		27B	637+54.50 TO 645+50.00 -"SB LOL" LINE FOR "ST3NB" LINE							795.5						
		25				18			795.5							
		12			18					795.5						
		27B	637+54.50 TO 645+50.00 -"SB LOL" LINE					795.5								
		25		18			795.5									
		12		18				198.88								
		25A	6+11.22 TO 6+80.50 - "ST3R63" LINE	4		4	70		70							
		27B	6+11.22 TO 7+06.18 - "ST3R63" LINE					94.96		94.96						
		38	6+80.50 TO 7+06.18 - "ST3R63" LINE	1	1			25.68		25.68						
SUBTOTAL				197.00	64.00	78.00	2239.70	2688.72	2790.88	5539.31	1512.38	2603.74	47	3	159	18

TRAFFIC HANDLING QUANTITIES

THQ-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: JOE ERWIN
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09
DATE PLOTTED => 15-DEC-2009
TIME PLOTTED => 09:00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	94	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 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.

TRAFFIC HANDLING PAVEMENT DELINEATION

STAGE No.	SHEET No.	DETAIL No.	STATION LIMIT	REMOVE PAVEMENT MARKER *	TEMPORARY PAVEMENT MARKER TYPE G	TEMPORARY PAVEMENT MARKER TYPE H	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE * YELLOW 4 (IN)	REMOVE THERMOPLASTIC TRAFFIC STRIPE * WHITE 4 (IN)	* THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) YELLOW 4 (IN)	* THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) WHITE 4 (IN)	REMOVE TEMPORARY THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) YELLOW 4 (IN)	REMOVE TEMPORARY THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) WHITE 4 (IN)	TEMPORARY CRASH CUSHION SYSTEM ARRAY " TS-11 and TS-14 "	(N) OBJECT MARKER TYPE P	CHANNELIZER (SURFACE-MOUNTED)	TYPE III BARRICADE
					EA		LF		LF		LF		EA			
3	TH-19	27B	7+06.18 TO 19+50.00 - "SLO LOL" LINE							1243.82					18	
		25				27			1243.82							
		12			27					1243.82						
		27B	7+06.18 TO 19+50.00 - "ST3NB" LINE							1243.82						
		25				27			1243.82							
		12			27					1243.82						
		27B	7+06.18 TO 14+90.83 - "SLO LOL" LINE					784.65								
		25		16			784.65									
		12		17				196.16								
		27B	7+6.18 TO 9+74.70 - "ST2SB" LINE									268.52				
		25		7							268.52					
		12		7								67.13				
		27B	7+6.18 TO 10+91.90 - "ST3R63" LINE					385.72		385.72						
		38	7+6.18 TO 9+83.00 - "ST3R63" LINE	12		12		276.82		553.64						
	TH-20	27B	19+50.00 TO 32+50.00 - "SLO LOL" LINE							1300						
		25				28			1300							
		12			28					1300						
		27B	19+50.00 TO 32+50.00 - "ST3NB" LINE							1300						
		25				28			1300							
		12			28					1300						
	TH-21	27B	32+50.00 TO 44+50.00 - "SLO LOL" LINE							663.78						
		25				26			1200							
		12			26					1200						
		27B	32+50.00 TO 44+50.00 - "ST3NB" LINE							974						
		25				26			1200							
		12			26					1200						
SUBTOTAL				59.00	162.00	174.00	784.65	1643.35	7487.64	15,152.42	268.52	335.65			18	

TRAFFIC HANDLING QUANTITIES

THQ-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: JOE ERWIN
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09 DATE PLOTTED => 15-DEC-2009 TIME PLOTTED => 09:00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	95	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 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.

TRAFFIC HANDLING PAVEMENT DELINEATION

STAGE No.	SHEET No.	DETAIL No.	STATION LIMIT	REMOVE PAVEMENT MARKER *	TEMPORARY PAVEMENT MARKER TYPE G	TEMPORARY PAVEMENT MARKER TYPE H	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE * YELLOW 4 (IN)	REMOVE THERMOPLASTIC TRAFFIC STRIPE * WHITE 4 (IN)	* THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) YELLOW 4 (IN)	* THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) WHITE 4 (IN)	REMOVE TEMPORARY THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) YELLOW 4 (IN)	REMOVE TEMPORARY THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) WHITE 4 (IN)	TEMPORARY CRASH CUSHION SYSTEM ARRAY " TS-11 and TS-14 "	(N) OBJECT MARKER TYPE P	CHANNELIZER (SURFACE-MOUNTED)	TYPE III BARRICADE
				EA			LF		LF		LF		EA			
3	TH-21	27B	39+56.78 TO 44+50.00 - "R-71" LINE							493.22			21		10	
		25A	44+02.63 TO 44+50.00 - "R-71" LINE			3			47.37							
		8	42+53.89 TO 44+02.63 - "R-71" LINE							148.73						
		27B	35+19.35 TO 44+50.00 - "SLO LOL" LINE					930.65								
		25		21			930.65									
		12		21				232.66								
		27B	35+89.70 TO 44+50.00 - "ST3R70" LINE							860		335.00				
		25A	38+16.35 TO 44+50.00 - "ST3R70" LINE	6		28			634		129					
	TH-22	27B	44-50.00 TO 53+54.70 - "SLO LOL" LINE							905					29	
		25				20			905							
		12			20					905						
		25A	44+50.00 TO 52+60.00 - "R-71" LINE			35			810							
		27B								810						
		27B	44+50.00 TO 53+54.70 - "ST3NB" LINE							905						
		25				20			905							
		12			20					905						
		27B	44+50.00 TO 53+54.70 - "SLO LOL" LINE					905								
		25		20			905									
		12		20				226								
		25A	44+50.00 TO 46+02.30 - "ST3R70" LINE	7		7			152.30		152.30					
		27B								152.30		335.00				
3A	TH-23	27B	35+89.70 TO 44+50.00 - "ST3R70" LINE									860.30			15	9
		25A	38+16.35 TO 44+50.00 - "ST3R70" LINE			28					633.65					
	TH-24	25A	44+50.00 TO 46+02.30 - "ST3R70" LINE	7							152.30					
		27B										152.30				
4	TH-25	27B	637+54.50 TO 645+50.00 -"SB LOL" LINE FOR "ST3NB" LINE									796				
		25		18							796					
		12		18								199				
SUBTOTAL				138.00	40.00	141.00	1835.65	2294.31	3453.67	6084.25	1863.25	2677.60	21		54	9

TRAFFIC HANDLING QUANTITIES

THQ-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: JOE ERWIN
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09 | DATE PLOTTED => 15-DEC-2009 | TIME PLOTTED => 09:01

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	96	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 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.

TRAFFIC HANDLING PAVEMENT DELINEATION

STAGE No.	SHEET No.	DETAIL No.	STATION LIMIT	REMOVE PAVEMENT MARKER *	TEMPORARY PAVEMENT MARKER TYPE G	TEMPORARY PAVEMENT MARKER TYPE H	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE * YELLOW 4 (IN)	REMOVE THERMOPLASTIC TRAFFIC STRIPE * WHITE 4 (IN)	* THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) YELLOW 4 (IN)	* THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) WHITE 4 (IN)	REMOVE TEMPORARY THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) YELLOW 4 (IN)	REMOVE TEMPORARY THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) WHITE 4 (IN)	TEMPORARY CRASH CUSHION SYSTEM ARRAY " TS-11 and TS-14 "	(N) OBJECT MARKER TYPE P	CHANNELIZER (SURFACE-MOUNTED)	TYPE III BARRICADE
				EA			LF		LF		LF		EA			
4	TH-25	27B	637+54.50 TO 645+50.00 -"SB LOL" LINE							796			14	1	52	
		25				18			796							
		12			18					796						
		25A	6+11.00 TO 6+80.50 - "ST3R63" LINE	4							69.5					
		27B	6+11.00 TO 7+06.18 - "ST3R63" LINE									95.18				
		38	6+80.50 TO 7+06.18 - "ST3R63" LINE	1								25.68				
		25A	644+54.82 TO 645+50.00 - NB ON RAMP "SB LOL" LINE			4			69.5							
		27B								95.18						
		38			1					51.36						
		25	1+55.00 TO 7+06.18 - "ST2SB" LINE	13							552					
		25	639+99.70 TO 645+50.19 - "SB LOL" LINE			13				552						
	TH-26	27B	645+50.00 TO 648+52.26 - "SB LOL" LINE							171.25						
		25				7			302.26							
		12			7					302.26						
		27B	10+08.65 TO 19+50.00 - "SLO LOL" LINE							941.35						
		25				20			941.35							
		12			20					941.35						
		27B	7+06.18 TO 10+30.46 - "ST3R63" LINE									327.51				
		38	7+06.18 TO 10+00.00 - "ST3R63" LINE	14								296.96				
		27B	645+50.00 TO 648+20.79 - NB ON RAMP "SB LOL" LINE							270.79						
		38			8					172.00						
		8								93.35						
		27B	7+06.18 TO 19+50.00 - "ST3NB" LINE									1243.82				
		25		27							1243.82					
		12		27								311.0				
	TH-27	27B	19+50.00 TO 32+50.00 - "SLO LOL" LINE							1300						
		25				28			1300							
		12			28					1300						
SUBTOTAL				86.00	82.00	90.00			3409.11	7782.89	1865.32	2300.15	14	1	52	

TRAFFIC HANDLING QUANTITIES

THQ-7

REVISED BY | DATE REVISED

JOE ERWIN | RAJESH PATEL

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: HASSAN MAREI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® TRAFFIC DESIGN

LAST REVISION 08-12-09 | DATE PLOTTED => 15-DEC-2009 | TIME PLOTTED => 09:01

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	97	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 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.

TRAFFIC HANDLING PAVEMENT DELINEATION

STAGE No.	SHEET No.	DETAIL No.	STATION LIMIT	* REMOVE PAVEMENT MARKER	TEMPORARY PAVEMENT MARKER TYPE G	TEMPORARY PAVEMENT MARKER TYPE H	* REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE YELLOW 4 (IN)	* REMOVE THERMOPLASTIC TRAFFIC STRIPE WHITE 4 (IN)	* THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) YELLOW 4 (IN)	* THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) WHITE 4 (IN)	REMOVE TEMPORARY THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) YELLOW 4 (IN)	REMOVE TEMPORARY THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE) WHITE 4 (IN)	TEMPORARY CRASH CUSHION SYSTEM ARRAY " TS-11 and TS-14 "	(N) OBJECT MARKER TYPE P	CHANNELIZER (SURFACE-MOUNTED)	TYPE III BARRICADE
				EA			LF		LF		LF		EA			
4	TH-27	27B	19+50.00 TO 32+50.00 - "ST3NB" LINE									1300				
		25		28							1300					
		12		28								325				
	TH-28	27B	41+36.00 TO 44+50.00 - "R-70" LINE							314						
		25A	42+93.45 TO 44+50.00 - "R-70" LINE			8			156.55							
		27B	32+50.00 TO 44+50.00 - "SLO LOL" LINE							1042.55						
		25				26			1200							
		12			26					1200						
		27B	32+50.00 TO 44+50.00 - "ST3NB" LINE									974				
		25		26							1200					
		12		26								300				
	TH-29	27B	44+50.00 TO 52+50.00 - "ST3NB" LINE									800				
		25		18							800					
		12		18								400				
		27B	44+50.00 TO 53+60.20 - "SLO LOL" LINE							910.20						
		25				20			910.20							
		12			20					910.20						
		25A	44+50.00 TO 52+91.20 - "R-70" LINE			36			841.20							
		27B								841.20						
SUBTOTAL FROM SHEET - 1				906.00	173.00	157.00	6539.00	8817.00	6539.00	14,679.00			14	1	15	
SUBTOTAL FROM SHEET - 2				579.00	104.00	95.00	5101.00	5334.00	4303.00	8925.00			14	2	42	
SUBTOTAL FROM SHEET - 3				209.00	135.00	111.00	2253.03	3537.75	4680.00	10,842.04			14	2	64	
SUBTOTAL FROM SHEET - 4				197.00	64.00	78.00	2239.70	2688.72	2790.88	5539.31	1512.38	2603.74	47	3	159	18
SUBTOTAL FROM SHEET - 5				59.00	162.00	174.00	784.65	1643.35	7487.64	15,152.42	268.52	335.65			18	
SUBTOTAL FROM SHEET - 6				138.00	40.00	141.00	1835.65	2294.31	3453.67	6084.25	1863.25	2677.60	21		54	9
SUBTOTAL FROM SHEET - 7				86.00	82.00	90.00			3409.11	7782.89	1865.32	2300.15	14	1	52	
SUBTOTAL				2318.0	806.00	936.00	18,753.03	24,315.13	35,771.25	74,223.06	8809.47	12,016.14	124	9	404	27
TOTAL				2318.0	1742.00		18,753.03	24,315.13	35,771.25	74,223.06	20,825.61		124	9	404	27

TRAFFIC HANDLING QUANTITIES

THQ-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: GURMIT GILL
CHECKED BY: DAVID BLACK
REVISED BY
DATE REVISED

LAST REVISION 08-12-09 | DATE PLOTTED => 15-DEC-2009 | TIME PLOTTED => 09:01

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	98	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 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 RAILING (TYPE K)

STAGE No.	SHEET No.	STATION LIMIT	TEMPORARY RAILING (TYPE K) LF
1A	TH-6	Sta 639+48.00 TO Sta 645+50.00 "SB LOL"	602
		Sta 640+27.29 TO Sta 645+50.00 "SB LOL"	523
	TH-7	Sta 645+50.00 TO Sta 14+36.43 "SLO LOL"	730
		Sta 645+50.00 TO Sta 14+75.23 "SLO LOL"	769
	TH-9	Sta 35+50.00 TO Sta 44+50.00 "SLO LOL"	900
		Sta 37+95.68 TO Sta 44+50.00 "SLO LOL"	655
	TH-10	Sta 44+50.00 TO Sta 52+49.50 "SLO LOL"	1600
2	TH-11	Sta 1+82.36 TO Sta 7+06.18 "SB LOL"	524
		Sta 640+91.81 TO Sta 645+50.00 "ST2R61"	458
	TH-12	Sta 7+06.18 TO Sta 19+50.00 "SLO LOL"	2488
	TH-13	Sta 19+50.00 TO Sta 32+50.00 "SLO LOL"	2600
	TH-14	Sta 32+50.00 TO Sta 44+50.00 "SLO LOL"	645
		Sta 41+95.12 TO Sta 44+50.00 "SLO LOL"	255
		Sta 35+30.00 TO Sta 44+50.00 "ST2R71"	920
		Sta 41+95.12 TO Sta 44+50.00 "ST2R71"	255
	TH-15	Sta 44+50.00 TO Sta 49+92.39 "ST2R71"	1084
		Sta 44+50.00 TO Sta 52+33.85 "SLO LOL"	1567
2A	TH-16	Sta 35+30.00 TO Sta 41+95.00 "SLO LOL"	665
3	TH-18	Sta 01+89.00 TO Sta 7+06.18 "ST3NB"	518
		Sta 6+11.21 TO Sta 7+06.18 "ST3R63"	95
	TH-19	Sta 7+06.18 TO Sta 9+65.00 "ST3NB"	259
		Sta 7+06.18 TO Sta 14+50.00 "ST3R63"	744
	TH-21	Sta 35+30.00 TO Sta 44+50.00 "ST3SB"	920
		Sta 40+9.76 TO Sta 44+50.00 "ST3NB"	440
		Sta 35+89.70 TO Sta 40+92.27 "ST3R70"	502
		Sta 40+9.76 TO Sta 44+50.00 "ST3R70"	440
	TH-22	Sta 44+50.00 TO Sta 52+50.00 "ST3NB"	1600
		Sta 44+50.00 TO Sta 46+2.30 "ST3R70"	305
4	TH-25	Sta 639+48.00 TO Sta 645+50.00 "SB LOL"	602
		Sta 639+91.34 TO Sta 645+50.00 "SB LOL"	559
	TH-26	Sta 645+50.00 TO Sta 648+52.26 "SB LOL"	600
		Sta 10+08.65 TO Sta 19+50.00 "SLO LOL"	1883
	TH-27	Sta 19+50.00 TO Sta 32+50.00 "SLO LOL"	2600
	TH-28	Sta 32+50.00 TO Sta 44+50.00 "SLO LOL"	2400
	TH-29	Sta 44+50.00 TO Sta 52+32.00 "SLO LOL"	1564
TOTAL			33,271

TRAFFIC HANDLING QUANTITIES

THQ-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: JOE ERWIN
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09 DATE PLOTTED => 15-DEC-2009 TIME PLOTTED => 09:01

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	99	299

8-12-09
REGISTERED CIVIL ENGINEER DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
HASSAN MAREI
No. C035068
Exp. 9-30-11
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.

CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

SHEET No.	SIGN No.	SIGN CODE	PANEL SIZE (in X in)	No. OF POST AND SIZE (in X in)	No. OF SIGNS	SIGN MESSAGE
TH-1	1	W20-1	48 X 48	1 - 4 X 6	2	ROAD WORK AHEAD
	2	W20-1	48 X 48	1 - 4 X 6	1	ROAD WORK AHEAD
TH-5	3	W20-1	48 X 48	1 - 4 X 6	1	ROAD WORK AHEAD
	4	W20-1	48 X 48	1 - 4 X 6	2	ROAD WORK AHEAD
TH-6	5	W20-1	48 X 48	1 - 6 X 6	2	ROAD WORK AHEAD
	6	W21-5b	48 X 48	1 - 6 X 6	2	LEFT SHOULDER CLOSED 1000 FT
	7	C30 (CA)	48 X 48	1 - 4 X 6	2	SHOULDER CLOSED
	8	M4-9a	30 X 24	1 - 4 X 6	1	BIKE/PED DETOUR Rt DIRECTIONAL ARROW
		R44c	30 X 30			BICYCLES MUST EXIT
	9	C31A (CA)	48 X 48	1 - 4 X 6	1	NO SHOULDER
	10	W20-1	48 X 48	1 - 6 X 6	1	ROAD WORK AHEAD
	11	C31A (CA)	48 X 48	1 - 4 X 6	1	NO SHOULDER
	12	C12 (CA)	48 X 48	1 - 6 X 6	2	NARROW LANE
		W13-1	24 X 24			55 MPH

CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED) CONTINUED

SHEET No.	SIGN No.	SIGN CODE	PANEL SIZE (in X in)	No. OF POST AND SIZE (in X in)	No. OF SIGNS	SIGN MESSAGE
TH-10	13	C12 (CA)	48 X 48	1 - 6 X 6	1	NARROW LANE
		W13-1	24 X 24			55 MPH
	14	C31A (CA)	48 X 48	1 - 4 X 6	1	NO SHOULDER
	15	W20-1	48 X 48	1 - 4 X 6	1	ROAD WORK AHEAD
	16	C12 (CA)	48 X 48	1 - 6 X 6	2	NARROW LANE
		W13-1	24 X 24			55 MPH
	17	C30 (CA)	48 X 48	1 - 4 X 6	2	SHOULDER CLOSED
	18	W21-5b	48 X 48	1 - 4 X 6	2	LEFT SHOULDER CLOSED 1000 FT
	19	W20-1	48 X 48	1 - 4 X 6	2	ROAD WORK AHEAD
TH-11	20	W20-1	48 X 48	1 - 4 X 6	2	ROAD WORK AHEAD
	21	W21-5b	48 X 48	1 - 6 X 6	2	LEFT SHOULDER CLOSED 1000 FT
	22	C30 (CA)	48 X 48	1 - 4 X 6	2	SHOULDER CLOSED
	23	M4-9a	30 X 24	1 - 4 X 6	1	BIKE/PED DETOUR Rt DIRECTIONAL ARROW
		R44c	30 X 30			BICYCLES MUST EXIT
	24	C31A (CA)	48 X 48	1 - 4 X 6	1	NO SHOULDER

TRAFFIC HANDLING QUANTITIES
THQ-10

REVISED BY | DATE REVISED
JOE ERWIN | RAJESH PATEL
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: HASSAN MAREI
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

LAST REVISION 08-12-09 | DATE PLOTTED => 15-DEC-2009 | TIME PLOTTED => 09:01

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB,SLO	101	91.0,0.0/0.8	100	299

REGISTERED CIVIL ENGINEER 8-12-09 DATE

11-2-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER HASSAN MAREI No. C035068 Exp. 9-30-11 CIVIL STATE OF CALIFORNIA

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CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED) CONTINUED

SHEET No.	SIGN No.	SIGN CODE	PANEL SIZE (in X in)	No. OF POST AND SIZE (in X in)	No. OF SIGNS	SIGN MESSAGE
TH-11	25	W20-1	48 X 48	1 - 4 X 6	1	ROAD WORK AHEAD
	26	C31A (CA)	48 X 48	1 - 4 X 6	1	NO SHOULDER
	27	C12 (CA)	48 X 48	1 - 6 X 6	2	NARROW LANE
		W13-1	24 X 24			55 MPH
TH-12	28	W1-4	48 X 48	1 - 4 X 6	2	TURN AND CURVE SIGN
TH-15	29	C12 (CA)	48 X 48	1 - 6 X 6	1	NARROW LANE
		W13-1	24 X 24			55 MPH
	30	C31A (CA)	48 X 48	1 - 4 X 6	1	NO SHOULDER
	31	W20-1	48 X 48	1 - 4 X 6	1	ROAD WORK AHEAD
	32	W1-4	30 X 30	1 - 6 X 6	2	TURN AND CURVE SIGN
		W13-1	24 X 24			55 MPH
	33	C12 (CA)	48 X 48	1 - 6 X 6	2	NARROW LANE
		W20-2	48 X 48			DETOUR AHEAD
	34	W20-1	48 X 48	1 - 4 X 6	2	ROAD WORK AHEAD
TH-17	35	W1-4	30 X 30	1 - 6 X 6	2	TURN AND CURVE SIGN
		W13-1	24 X 24			55 MPH
	36	C12 (CA)	48 X 48	1 - 6 X 6	2	NARROW LANE
		W20-2	48 X 48			DETOUR AHEAD
	37	W20-1	48 X 48	1 - 4 X 6	2	ROAD WORK AHEAD

CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED) CONTINUED

SHEET No.	SIGN No.	SIGN CODE	PANEL SIZE (in X in)	No. OF POST AND SIZE (in X in)	No. OF SIGNS	SIGN MESSAGE
TH-18	38	W20-1	48 X 48	1 - 6 X 6	2	ROAD WORK AHEAD
	39	C30 (CA)	48 X 48	1 - 6 X 6	2	SHOULDER CLOSED
		W20-2	48 X 48			DETOUR AHEAD
	40	W1-4	48 X 48	1 - 6 X 6	2	TURN AND CURVE SIGN
		C29 (CA)	29 X 9			1000 FT
		W3-5a	48 X 48			55 MPH SPEED ZONE AHEAD
	41	M4-9a	30 X 24	1 - 4 X 6	1	BIKE/PED DETOUR Rt DIRECTIONAL ARROW
		R44c	30 X 30			BICYCLES MUST EXIT
	42	C31A (CA)	48 X 48	1 - 4 X 6	2	NO SHOULDER
	43	W20-1	48 X 48	1 - 6 X 6	1	ROAD WORK AHEAD
	44	C31A (CA)	48 X 48	1 - 4 X 6	1	NO SHOULDER
	45	C12 (CA)	48 X 48	1 - 6 X 6	2	NARROW LANE
		W13-1	24 X 24			55 MPH
	46	R11-2	48 X 30	1 - 4 X 6	1	ROAD CLOSED
		W1-6	48 X 24			LEFT DIRECTIONAL ARROW
TH-19	47	W20-3	48 X 48	1 - 4 X 6	1	RAMP CLOSED AHEAD
TH-20	48	W20-3	48 X 48	1 - 4 X 6	1	RAMP CLOSED AHEAD
TH-21	49	W1-4	30 X 30	1 - 4 X 6	1	TURN AND CURVE SIGN

TRAFFIC HANDLING QUANTITIES

THQ-11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® TRAFFIC DESIGN

FUNCTIONAL SUPERVISOR: HASSAN MAREI
CALCULATED-DESIGNED BY: JOE ERWIN
CHECKED BY: RAJESH PATEL
REVISED BY
DATE REVISED

LAST REVISION 08-12-09 DATE PLOTTED => 15-DEC-2009 TIME PLOTTED => 09:01