INDEX OF PLANS

SHEET No.	DESCRIPTION
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2	LOCATIONS OF CONSTRUCTION
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THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA

DEPARTMENT OF TRANSPORTATION

ACSTP-S082(017)E

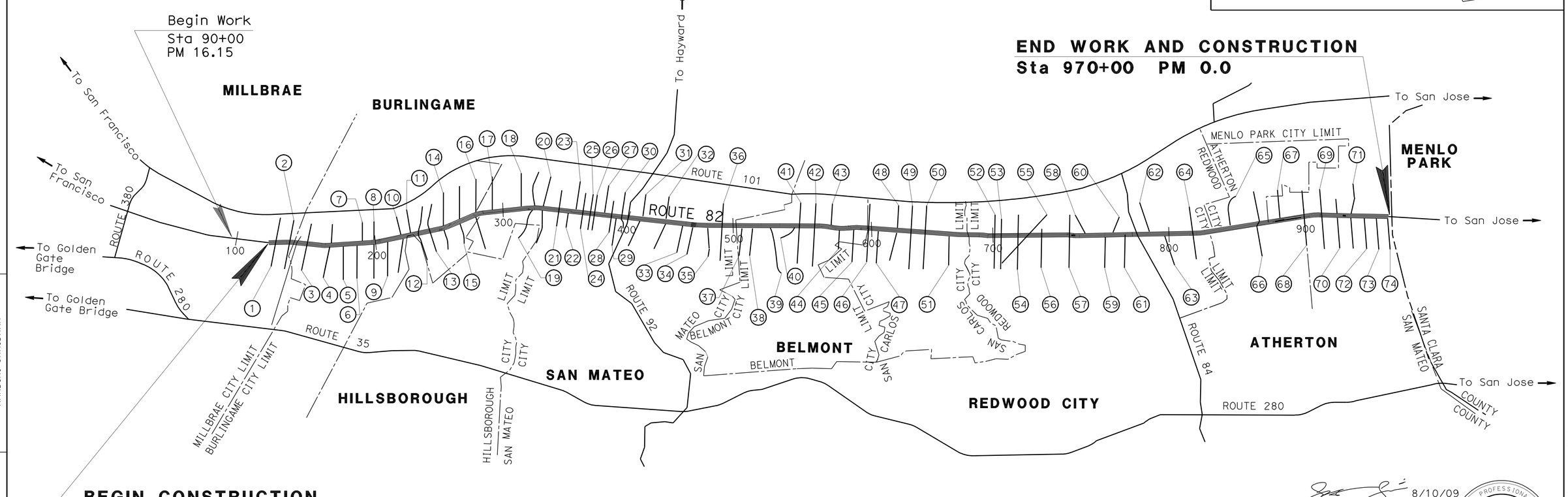
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SM	82	0.0/15.9	1	227

PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY

IN SAN MATEO COUNTY AT VARIOUS LOCATIONS FROM MILLBRAE AVENUE TO CAMBRIDGE AVENUE IN MENLO PARK

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

LOCATION MAP



NO SCALE

NOTE:
THE TABLE OF LOCATIONS OF CONSTRUCTION IS SHOWN ON THE LOCATIONS OF CONSTRUCTION SHEET.

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

8/10/09
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

George Gin
No. 61987
Exp. 9-30-11
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

December 7, 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: NANDINI SHRIDHAR
DESIGN ENGINEER: GEORGE GIN

CONTRACT No. 04-249924

LAST REVISION: DATE PLOTTED => 20-APR-2010
08-09-09 TIME PLOTTED => 13:22

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	2	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
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.

LOCATIONS OF CONSTRUCTIONS

LOCATION	ROUTE	PM	STREET NAME
1	82	15.93	MILLBRAE Ave
2	82	15.79	MURCHISON Dr
3	82	15.59	TROUSDALE Dr
4	82	15.20	RAY Dr / ROSEDALE Ave
5	82	15.00	ADELINE Dr / OXFORD Rd
6	82	14.79	HILLSIDE Dr
7	82	14.58	LINCOLN Ave
8	82	14.40	BROADWAY
9	82	14.27	CARMELITA Ave
10	82	14.11	SANCHEZ Ave
11	82	13.72	OAK GROVE Ave
12	82	13.67	FLORIBUNDA Ave
13	82	13.43	CHAPIN Ave
14	82	13.36	BURLINGAME Ave
15	82	13.22	HOWARD Ave
16	82	13.08	PRIMROSE Rd / BAYSWATER Ave / CYPRESS Ave
17	82	12.94	PENINSULA Ave / PARK Rd
18	82	12.57	BELLEVUE Ave
19	82	12.42	POPLAR Ave
20	82	12.07	TILTON Ave / EL CERRITO Ave
21	82	11.91	BALDWIN Ave / BAYWOOD Ave / DE SABLA Rd
22	82	11.84	CRYSTAL SPRINGS Rd
23	82	11.78	2ND Ave
24	82	11.72	3RD Ave
25	82	11.64	4TH Ave
26	82	11.58	5TH Ave
27	82	11.35	9TH Ave
28	82	11.07	12TH Ave / HOBART Ave
29	82	10.91	BARNESON Ave
30	82	10.72	17TH Ave / BOVET Rd
31	82	10.37	20TH Ave
32	82	10.00	25TH Ave
33	82	9.86	27TH Ave
34	82	9.76	28TH Ave
35	82	9.54	31ST Ave
36	82	9.10	37TH Ave
37	82	8.76	41ST Ave
38	82	8.69	42ND Ave

LOCATIONS OF CONSTRUCTIONS

LOCATION	ROUTE	PM	STREET NAME
39	82	8.29	DAVEY GLEN Rd
40	82	7.86	MIDDLE Rd
41	82	7.68	RALSTON Ave
42	82	7.52	O'NEILL Ave
43	82	7.38	HARBOR Blvd
44	82	7.30	HARBOR Blvd
45	82	6.91	HULL Dr
46	82	6.56	HOLLY St
47	82	6.44	SAN CARLOS Ave
48	82	6.04	ARROYO Ave
49	82	5.81	BRITTAN Ave
50	82	5.62	HOWARD Ave
51	82	5.25	St FRANCIS WAY
52	82	4.81	WHIPPLE Ave
53	82	4.67	HOPKINS Ave
54	82	4.50	BREWSTER Ave
55	82	4.41	BROADWAY
56	82	4.26	JAMES Ave
57	82	4.08	JEFFERSON Ave
58	82	3.83	MAPLE St
59	82	3.71	ROOSEVELT Ave
60	82	3.65	CHESTNUT St
61	82	3.56	OAK Ave
62	82	3.25	CHARTER St
63	82	3.16	CENTER St
64	82	2.82	OAKWOOD Dr / DUMBARTON Ave
65	82	2.47	5TH Ave
66	82	1.90	ATHERTON Ave / FAIR OAKS Ln
67	82	1.26	ENCINAL Ave
68	82	1.06	VALPARAISO Ave / GLENWOOD Ave
69	82	0.87	OAK GROVE Ave
70	82	0.77	SANTA CRUZ Ave
71	82	0.69	RAVENSWOOD Ave / MENLO Ave
72	82	0.56	ROBLE Ave
73	82	0.39	MIDDLE Ave
74	82	0.17	CAMBRIDGE Ave

REVISED BY	GC	CALCULATED-DESIGNED BY	GINA CHOI
DATE REVISED	7/16/09	CHECKED BY	GEORGE GIN

FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LOCATIONS OF CONSTRUCTION

LC-1

LAST REVISION | DATE PLOTTED => 10-DEC-2009
08-26-09 | TIME PLOTTED => 11:15

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 1 3

USERNAME => trmariak
DGN FILE => 424992ba001.dgn

CU 04242

EA 249921

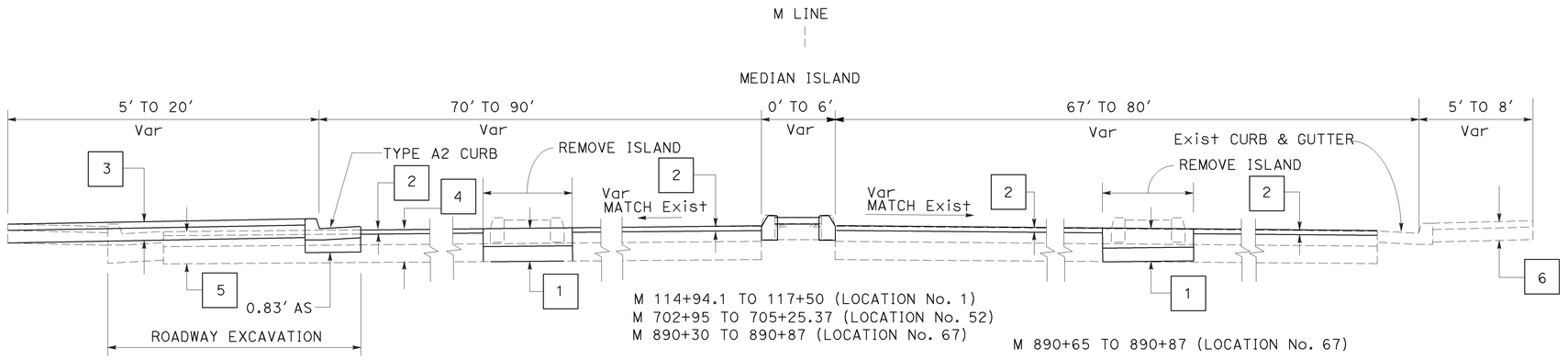
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	3	227

REGISTERED CIVIL ENGINEER — DATE 8/10/09

PLANS APPROVAL DATE 12-7-09

REGISTERED PROFESSIONAL ENGINEER — George Gin — No. 61987 — 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.



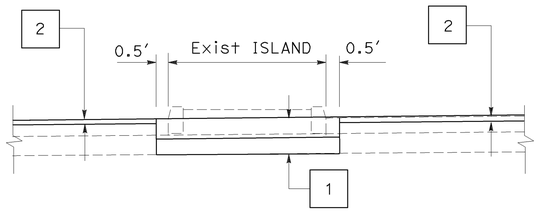
M 115+14 TO 115+80 (LOCATION No. 1)
M 704+31 TO 705+25.37 (LOCATION No. 52)
E 20+31.87 TO 21+00 (LOCATION No. 67)

M 115+53 TO 115+85 (LOCATION No. 1)
M 116+76 TO 116+90 (LOCATION No. 1)
M 703+42 TO 703+57 (LOCATION No. 52)
M 704+27 TO 705+57 (LOCATION No. 52)

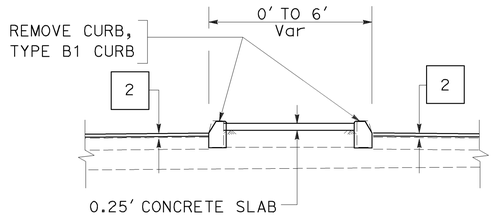
M 114+94.1 TO 117+50 (LOCATION No. 1)
M 702+95 TO 705+25.37 (LOCATION No. 52)
M 890+30 TO 890+87 (LOCATION No. 67)

M 890+65 TO 890+87 (LOCATION No. 67)

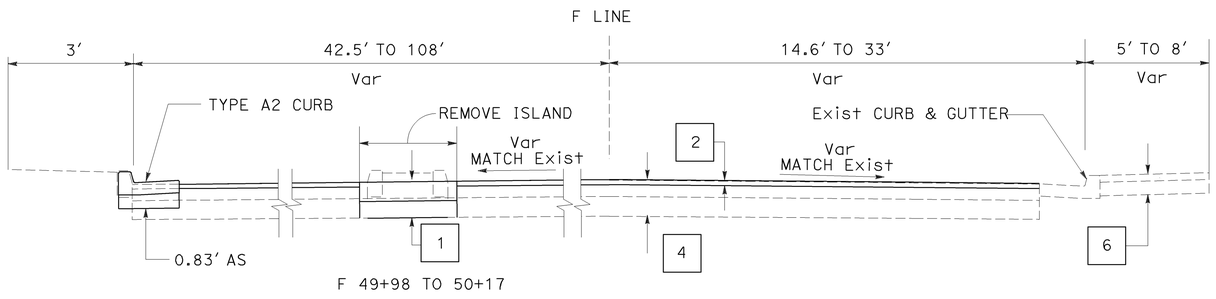
ROUTE 82



REMOVE ISLAND



MEDIAN ISLAND



F 49+98 TO 50+17

FLORIBUNDA AVENUE

F 49+89 TO 50+40.5 (LOCATION No. 12)

TYPICAL STRUCTURAL SECTIONS

1 — 1.00'
HMA (TYPE A)

2 — COLD PLANE 0.15' AC PAVEMENT,
0.15' HMA (TYPE A)

3 — 0.33' PCC
0.5' CLASS 4 AS

4 — Exist
0.25' AC (TYPE A)
0.5' TO 0.67' CTB OR PCC
0.83' TO 1.0' Var AS

5 — Exist
0.5' PCC
0.67' AS

6 — Exist SW
0.33' PCC
0.5' AS

TYPICAL CROSS SECTIONS

NO SCALE

X-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DESIGN
FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH
CALCULATED-DESIGNED BY: GEORGE GIN
CHECKED BY: GINA CHOI
REVISED BY: GC — DATE REVISED: 7/14/09
LAST REVISION — DATE PLOTTED => 11-DEC-2009 — TIME PLOTTED => 08:12
08-25-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmikesl
DGN FILE => 424992ca001.dgn
CU 04242
EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	4	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

George Gin No. 61987 Exp 9-30-11 CIVIL
REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

12-7-09
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.

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

LEGEND:

REMOVE ISLAND

RESURFACING

ML+80.13
BEGIN CURB

ML 12+75

MILLBRAE Ave

ML LINE

ML 11+68.6
CONFORM SW

69.00' Lt ML 110+46.10
END Exist Conc BARRIER
END REMOVE CURB AND SW

CURB (TYPE A2)

REMOVE CURB

CURB RAMP(CASE A)

REMOVE SW

REMOVE AC

REMOVE PCC

M 114+94.1
CONFORM SW AND CURB
BEGIN REMOVE SW AND CURB

+32 CONFORM
ISLAND, SEE CONSTRUCTION DETAIL SHEETS

CURB RAMP DETECTABLE WARNING SURFACE

CURB RAMP
(CASE C)

M 117+50

R/W

R/W

ROUTE 82 NB

EL CAMINO REAL

M LINE

ROUTE 82 SB

S 54° 58' 50" W

1 REMOVE ISLAND

S 31° 20' 29" E
338.642'

M 115+93.70 EC

ML 10+44.283 POT =
M 10+44.283

M 117+14 CONFORM
ISLAND, SEE CONSTRUCTION DETAIL SHEETS

M 115+63 CONFORM
ISLAND, SEE CONSTRUCTION DETAIL SHEETS

CURB RAMP DETECTABLE WARNING SURFACE

CURB RAMP DETECTABLE WARNING SURFACE

ML 9+64.4

R/W

R/W

DECK

CURVE DATA

No.	R	Δ	T	L	N-COORDINATE	E-COORDINATE
(1)	2500'	11° 32' 48''	252.76'	503.82'	2044625.75	6012745.25

MILLBRAE

LAYOUT
LOCATION No. 1
SCALE: 1'' = 20'

L-1

CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED
GINA CHOI	GEORGE GIN	GC	7/16/09

FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION DATE PLOTTED => 11-DEC-2009
TIME PLOTTED => 08:17
08-07-09

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trmikesl
DGN FILE => 424992ea001.dgn

CU 04242

EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	5	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

George Gin
No. 61987
Exp. 9-30-11
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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

B U R L I N G A M E

OAK GROVE Ave

FLORIBUNDA Ave

R/W

F 49+70 POT =
M 235+46.13 POT

1 REMOVE ISLAND

M 236+59.7
END A2 CURB,
CONFORM Pvmt

R/W

M 238+36.68 BC

S 53° 21' 19" E
3655.261'

M LINE

EL CAMINO REAL

ROUTE 82 NB

ROUTE 82 SB

3 4 235 F 49+89 6 7 8

50 F LINE

CURB (TYPE A2)

R/W

REMOVE CURB RAMP

REMOVE CURB

2

F 50+40.5
CONFORM A2 CURB
& PAVEMENT

N 25° 19' 33" E

51

HILLSBOROUGH
BURLINGAME

FLORIBUNDA Ave

H I L L S B O R O U G H

B U R L I N G A M E

FOR NOTES, ABBREVIATIONS
AND LEGEND, SEE SHEET L-1

LAYOUT
LOCATION No. 12
SCALE: 1'' = 20'

L-2

CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED
GINA CHOI	GEORGE GIN	GC	7/16/09

FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION — DATE PLOTTED => 10-DEC-2009
08-07-09 — TIME PLOTTED => 11:15

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trmariak
DGN FILE => 424992ea002.dgn

CU 04242

EA 249921

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	6	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
Exp 9-30-11
CIVIL
STATE OF CALIFORNIA

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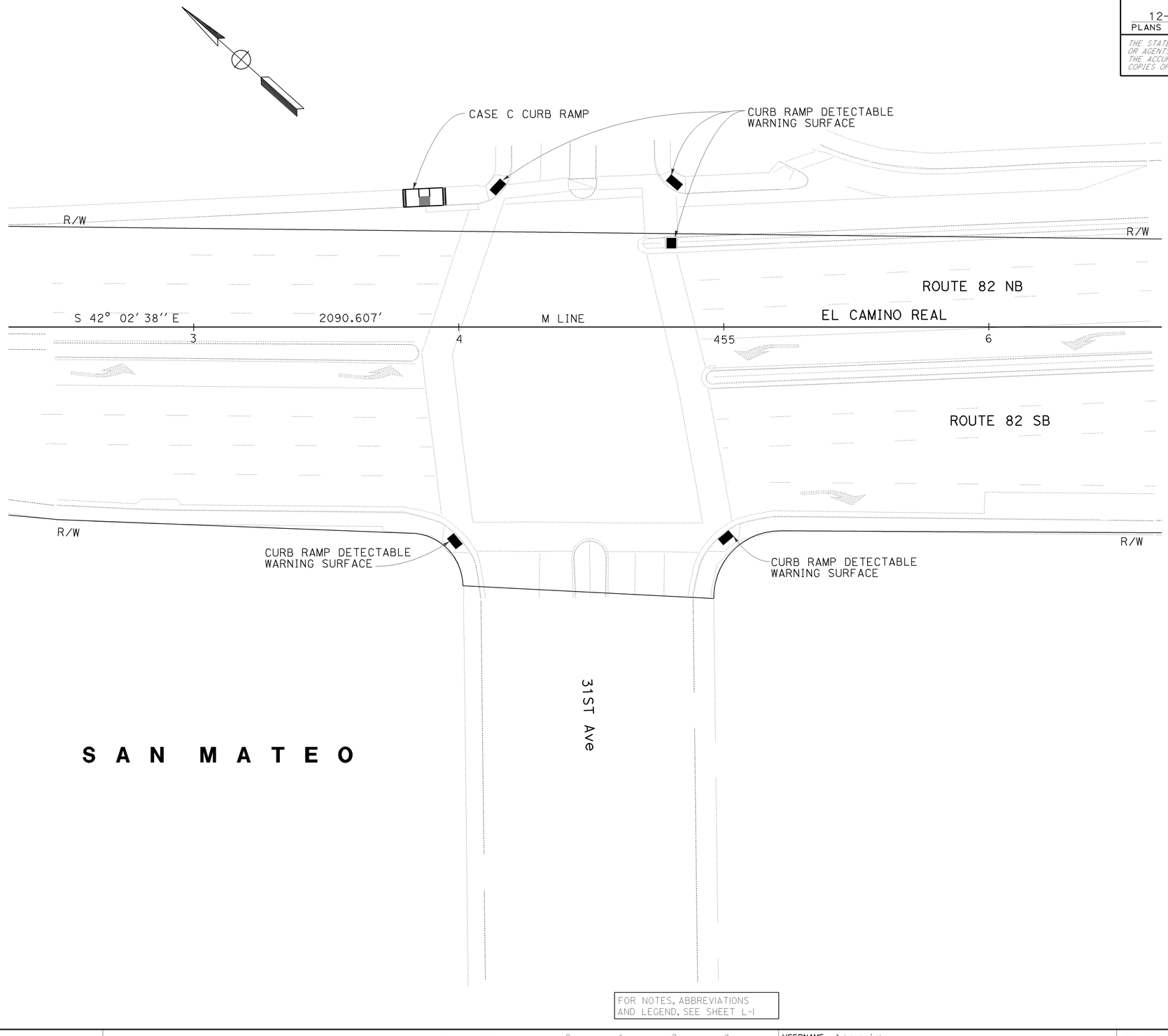


FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

LAYOUT
LOCATION No. 35
SCALE: 1'' = 20'

L-3

CALCULATED-DESIGNED BY	GC	REVISED BY	7/16/09
CHECKED BY	GINA CHOI	DATE REVISED	
	GEORGE GIN		
FUNCTIONAL SUPERVISOR	ABOLFAZL EMADZADEH		
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN		

LAST REVISION DATE PLOTTED => 10-DEC-2009
08-08-09 TIME PLOTTED => 11:15

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trmariak
DGN FILE => 424992ea003.dgn

CU 04242

EA 249921

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	7	227

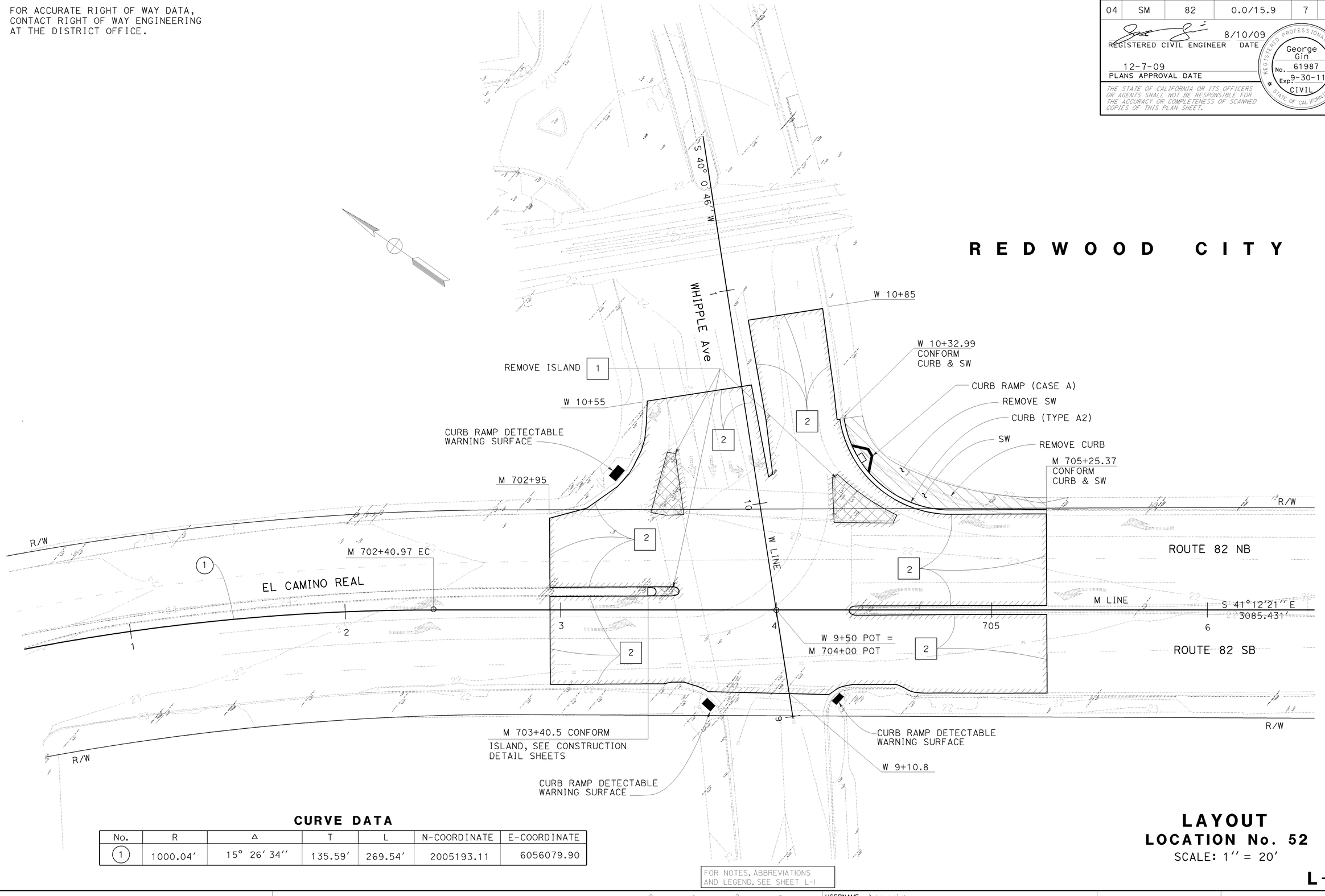
8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
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.

REDWOOD CITY



CURVE DATA

No.	R	Δ	T	L	N-COORDINATE	E-COORDINATE
1	1000.04′	15° 26′ 34″	135.59′	269.54′	2005193.11	6056079.90

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

LAYOUT
LOCATION No. 52
SCALE: 1″ = 20′

L-4

CALCULATED-DESIGNED BY: GINA CHOI
CHECKED BY: GEORGE GIN
REVISED BY: GC
DATE REVISED: 7/16/09
FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION DATE PLOTTED => 10-DEC-2009
08-08-09 TIME PLOTTED => 11:15

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmariak
DGN FILE => 424992ea004.dgn
CU 04242
EA 249921

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	8	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
Exp 9-30-11
CIVIL
STATE OF CALIFORNIA

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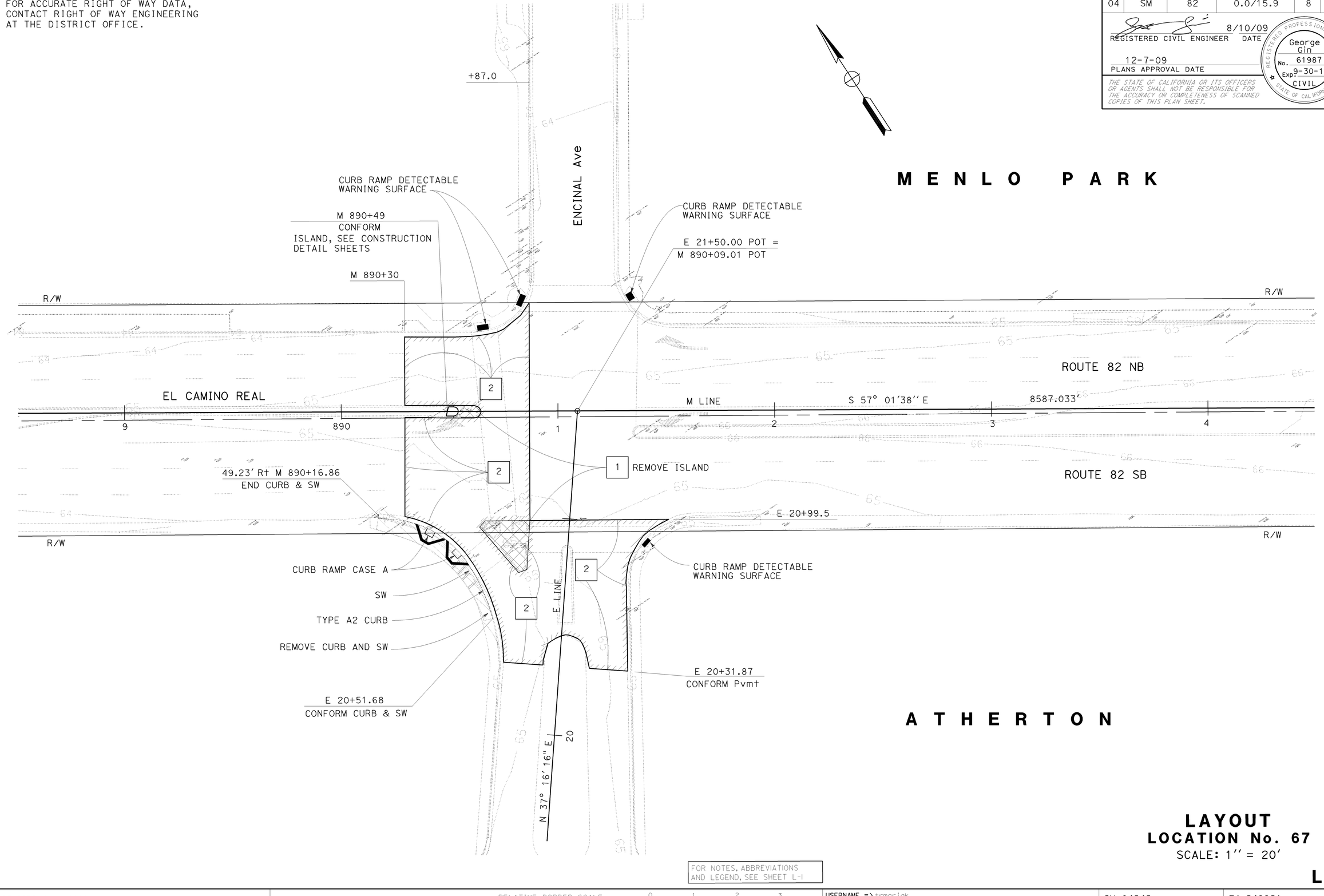

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1

LAYOUT
LOCATION No. 67
SCALE: 1" = 20'

L-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH
CALCULATED-DESIGNED BY: GINA CHOI
CHECKED BY: GEORGE GIN
REVISED BY: GC
DATE REVISED: 7/16/09

LAST REVISION DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 11:15
08-08-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmariak
DGN FILE => 424992ea005.dgn
CU 04242
EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	9	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — George Gin — No. 61987 — Exp. 9-30-11 — CIVIL — STATE OF CALIFORNIA

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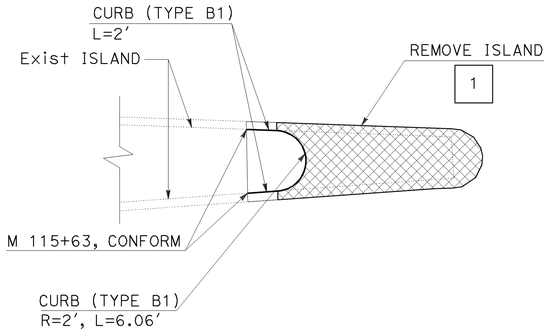
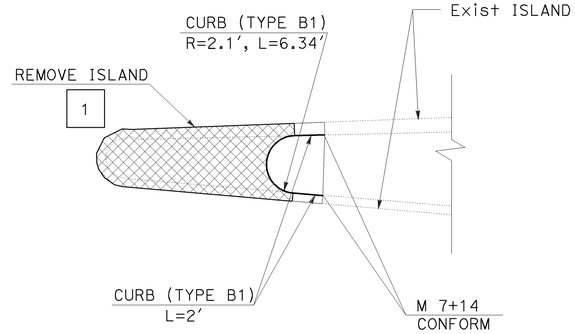
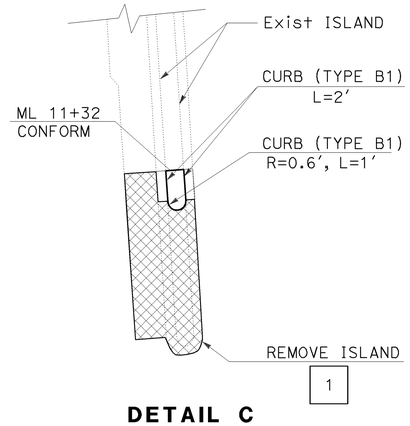


DETAIL A
MEDIAN ISLAND



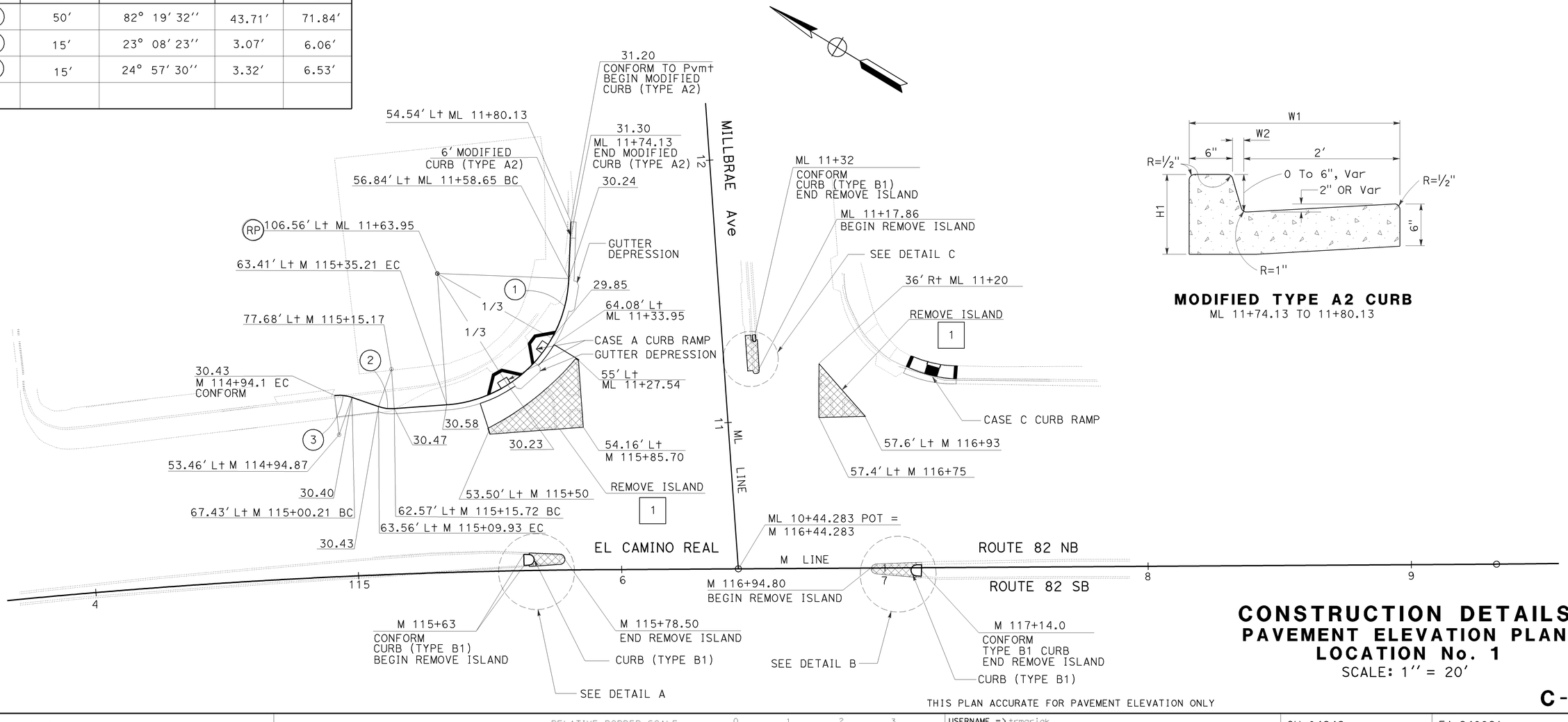
DETAIL B
MEDIAN ISLAND



DETAIL C
MEDIAN ISLAND

CURVE DATA

No.	R	Δ	T	L
1	50'	82° 19' 32''	43.71'	71.84'
2	15'	23° 08' 23''	3.07'	6.06'
3	15'	24° 57' 30''	3.32'	6.53'



MODIFIED TYPE A2 CURB
ML 11+74.13 TO 11+80.13

CONSTRUCTION DETAILS
PAVEMENT ELEVATION PLAN
LOCATION No. 1

SCALE: 1'' = 20'

THIS PLAN ACCURATE FOR PAVEMENT ELEVATION ONLY

C-1

CALCULATED-DESIGNED BY: GINA CHOI
CHECKED BY: GEORGE GIN
FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

REVISED BY	DATE REVISED
GC	7/8/09

LAST REVISION DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 11:32
08-07-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmariak
DGN FILE => 424992ga001.dgn
CU 04242
EA 249921

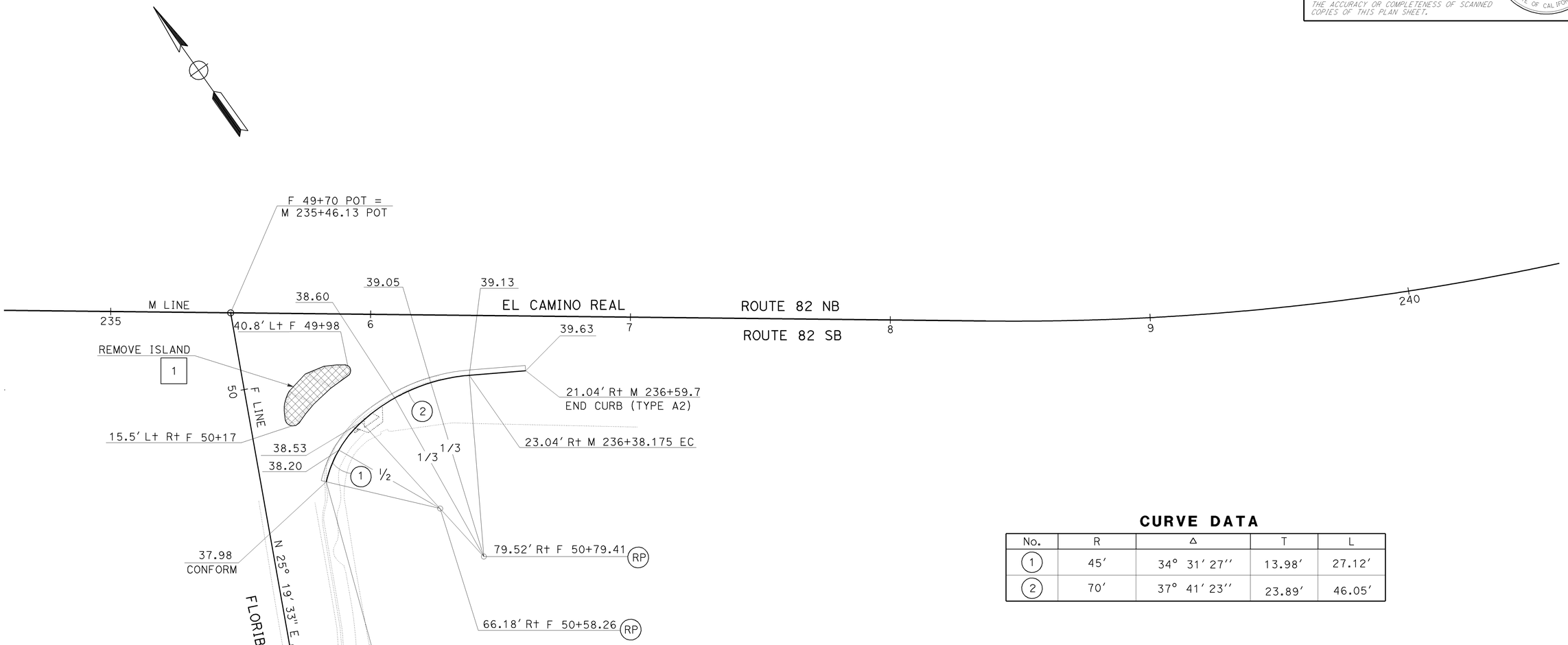
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	10	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
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.



CURVE DATA

No.	R	Δ	T	L
1	45′	34° 31′ 27″	13.98′	27.12′
2	70′	37° 41′ 23″	23.89′	46.05′

CONSTRUCTION DETAILS
PAVEMENT ELEVATION PLAN
LOCATION No. 12
SCALE: 1″ = 20′

C-2

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET C-1

THIS PLAN ACCURATE FOR PAVEMENT ELEVATION ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH
CALCULATED-DESIGNED BY: GINA CHOI
CHECKED BY: GEORGE GIN
REVISED BY: GC
DATE REVISED: 7/8/09

LAST REVISION
DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 11:16
08-07-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmariak
DGN FILE => 424992ga002.dgn
CU 04242
EA 249921

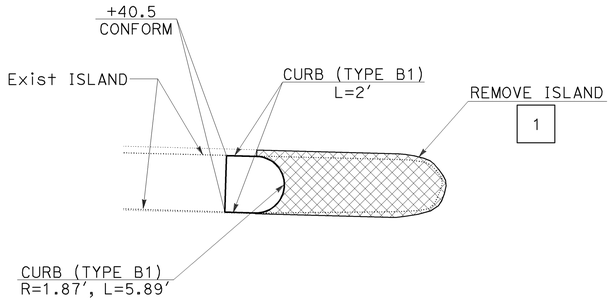
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	11	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

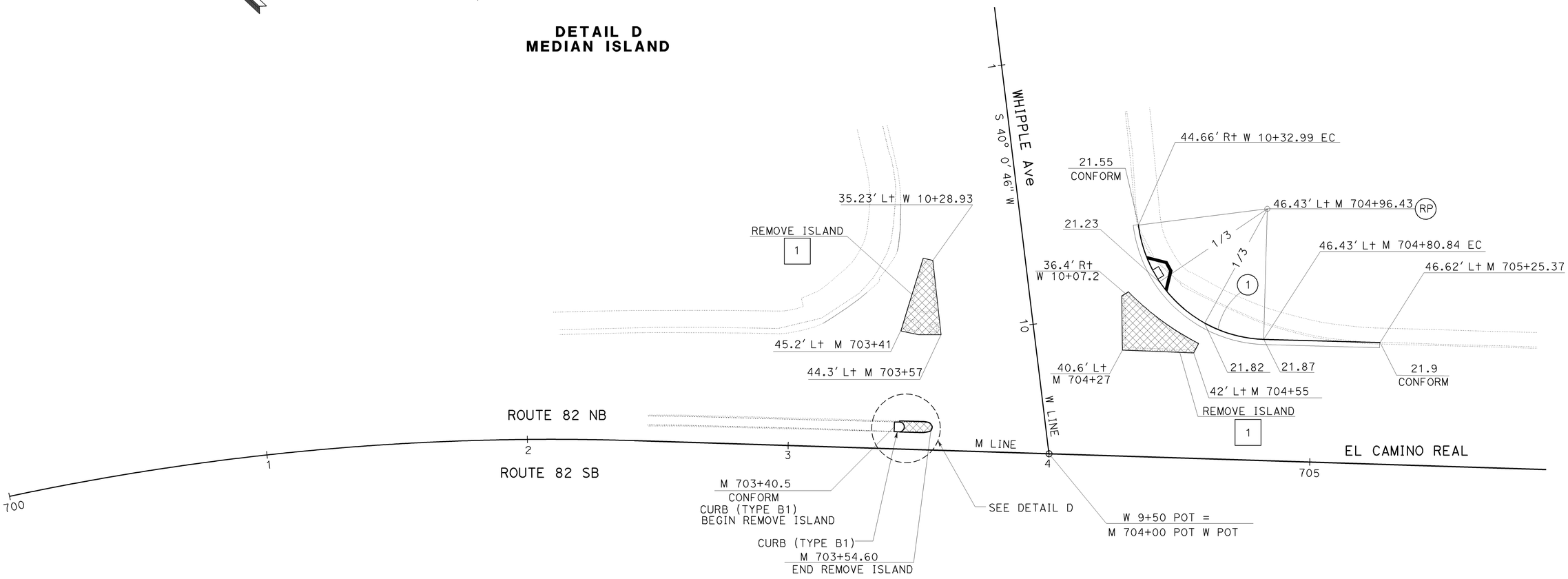
12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — George Gin — No. 61987 — 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.



DETAIL D
MEDIAN ISLAND



CURVE DATA

No.	R	Δ	T	L
(1)	50'	81° 29' 35''	43.08'	71.12'

CONSTRUCTION DETAILS
PAVEMENT ELEVATION PLAN
LOCATION No. 52

SCALE: 1'' = 20'

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET C-1

THIS PLAN ACCURATE FOR PAVEMENT ELEVATION ONLY

C-3

LAST REVISION 08-07-09
DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 11:16

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH
CALCULATED-DESIGNED BY: GINA CHOI
CHECKED BY: GEORGE GIN
REVISED BY: GC
DATE REVISED: 7/8/09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmariak
DGN FILE => 424992ga003.dgn
CU 04242
EA 249921

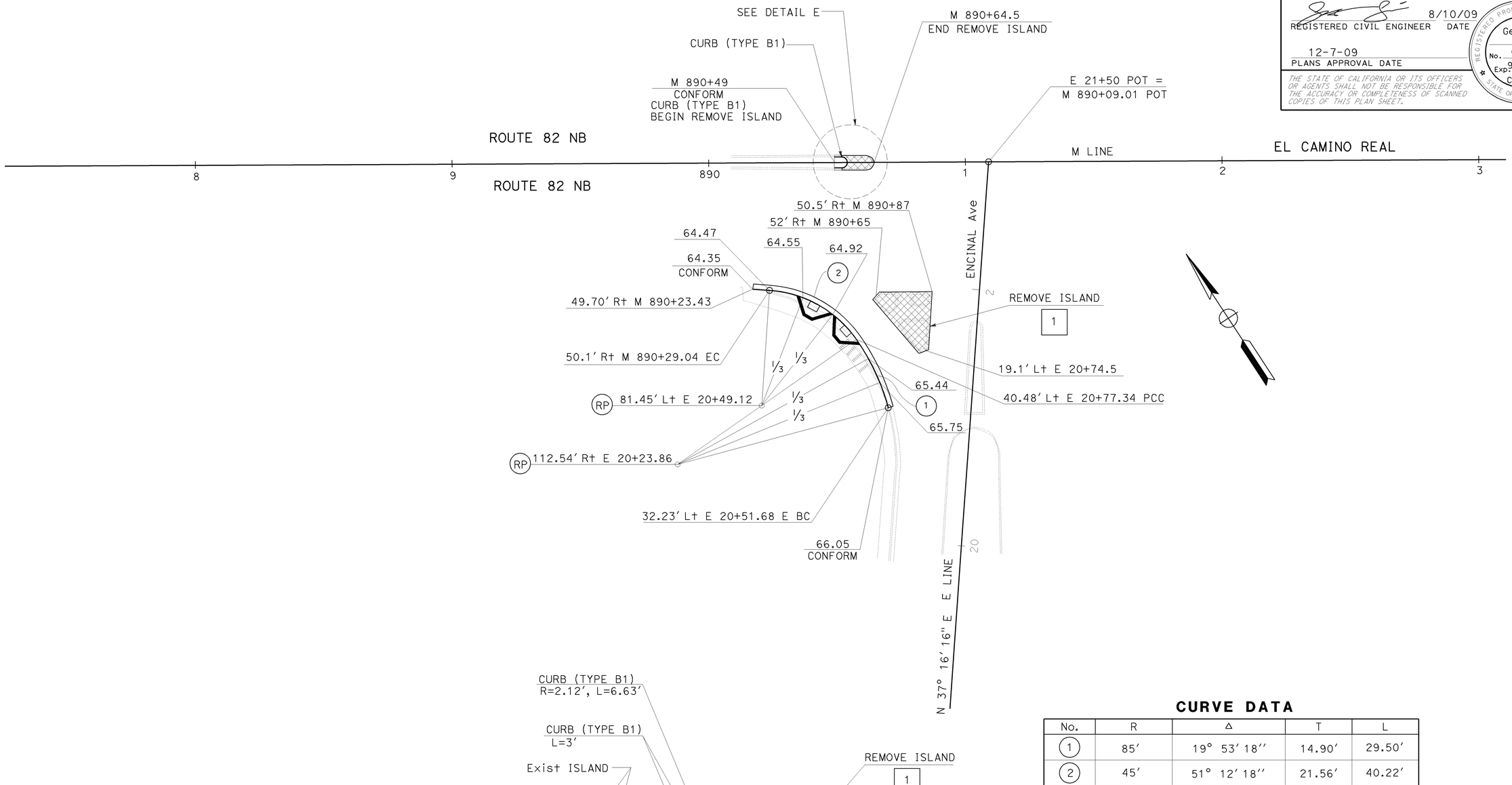
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	12	227

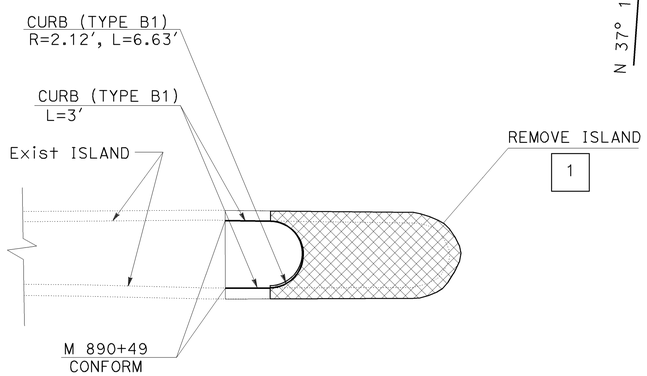
REGISTERED CIVIL ENGINEER — DATE 8/10/09

12-7-09
PLANS APPROVAL DATE

George Gin No. 61987 Exp. 9-30-11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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





DETAIL E
MEDIAN ISLAND

CURVE DATA

No.	R	Δ	T	L
1	85'	19° 53' 18''	14.90'	29.50'
2	45'	51° 12' 18''	21.56'	40.22'

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET C-1

THIS PLAN ACCURATE FOR PAVEMENT ELEVATION ONLY

CONSTRUCTION DETAILS
PAVEMENT ELEVATION PLAN
LOCATION No. 67

SCALE: 1'' = 20'

C-4

CALCULATED-DESIGNED BY	GC	7/8/09
CHECKED BY		
REVISED BY		DATE REVISED
FUNCTIONAL SUPERVISOR	ABOLFAZL EMADZADEH	
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN	
GINA CHOI	GEORGE GIN	

LAST REVISION | DATE PLOTTED => 10-DEC-2009
08-07-09 | TIME PLOTTED => 11:16

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	13	227

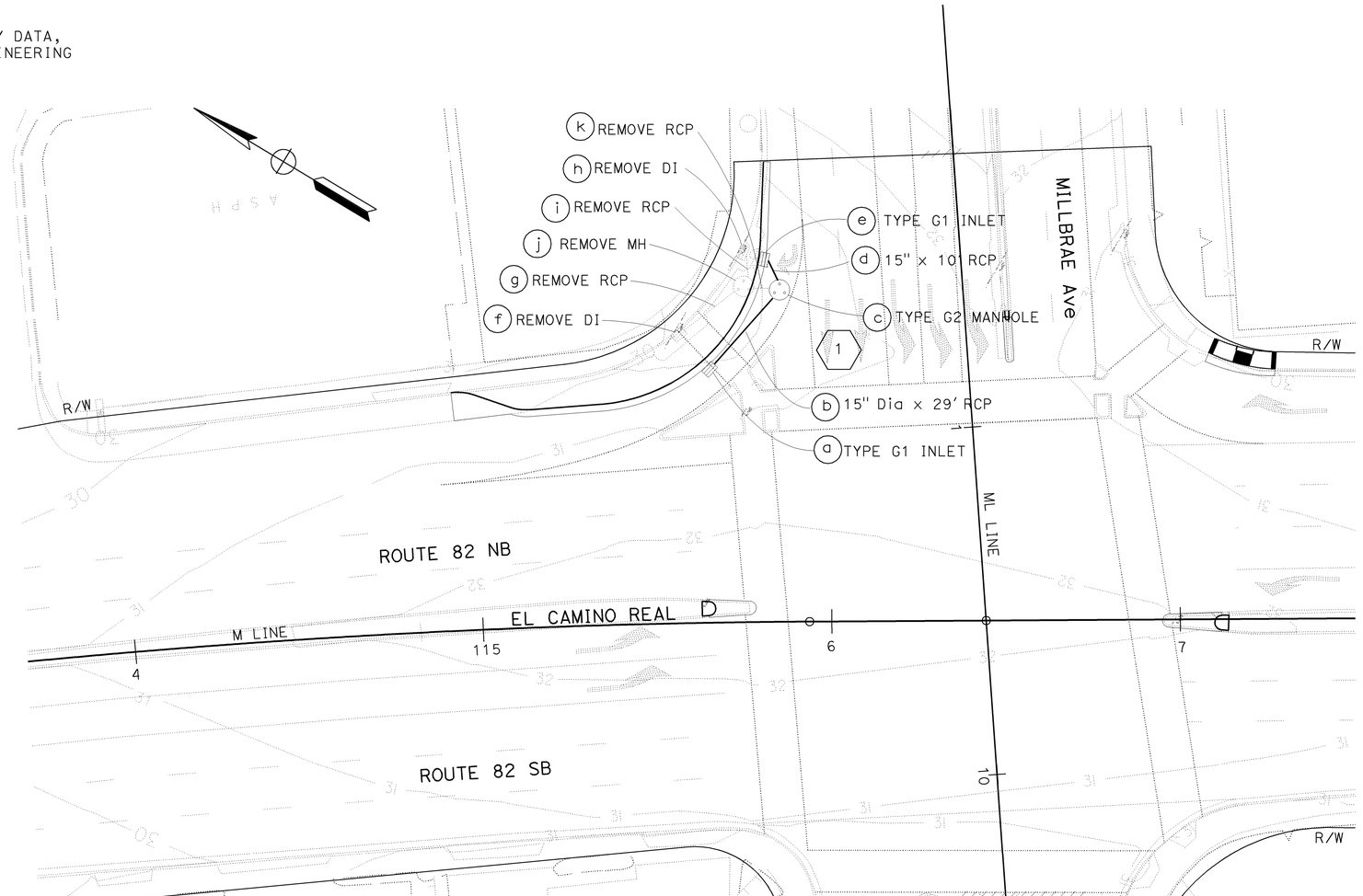
8/4/09
REGISTERED CIVIL ENGINEER DATE

Dixon T. Lau
No. 46706
Exp 6-30-11
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

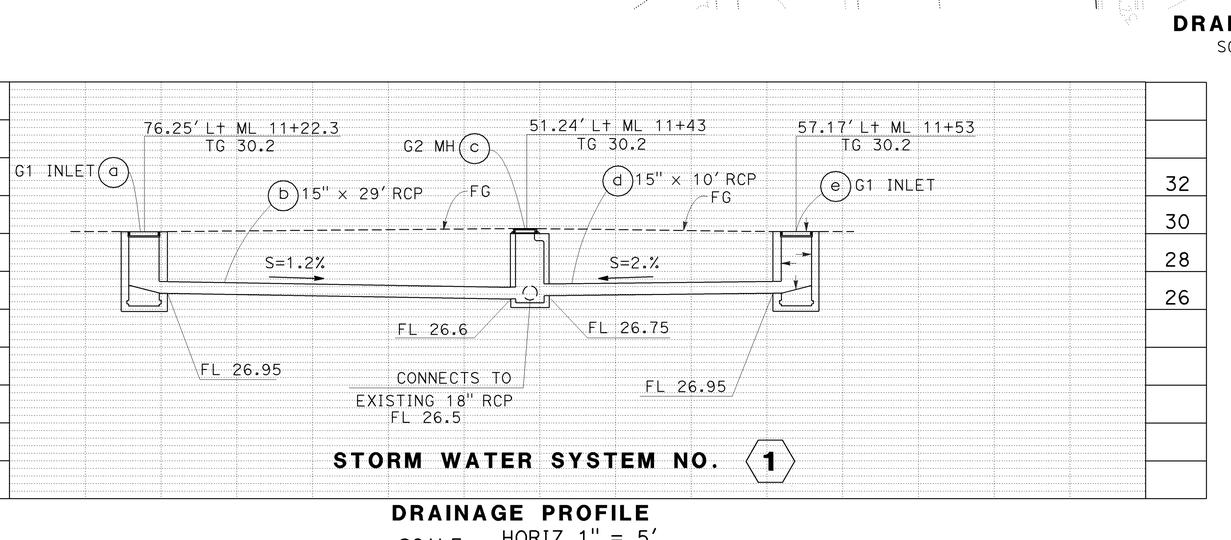
12-7-09
PLANS APPROVAL DATE

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.

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



DRAINAGE PLAN
SCALE: 1" =20'



DRAINAGE PROFILE
SCALE: HORIZ 1" = 5'
VERT 1" = 5'

DRAINAGE PLAN AND PROFILE
LOCATION No.1

D-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
HYDRAULICS
FUNCTIONAL SUPERVISOR: JOSEPH E. PETERSON
CALCULATED-DESIGNED BY: CARLA WILLIAMS
CHECKED BY: GEORGE GIN
REVISED BY: GG
DATE REVISED: 7/14/09
LAST REVISION DATE PLOTTED => 10-DEC-2009
LAST REVISION TIME PLOTTED => 11:18
08-25-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmariak
DGN FILE => 4249921a001.dgn
CU 04242
EA 249921

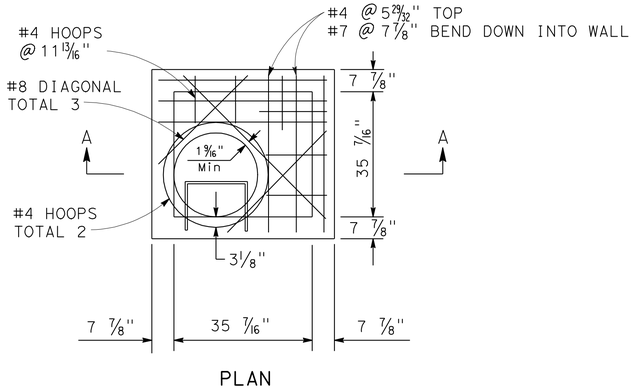
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	14	227

8/4/09
REGISTERED CIVIL ENGINEER DATE

Dixon T. Lau
No. 46706
Exp 6-30-11
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

12-7-09
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.

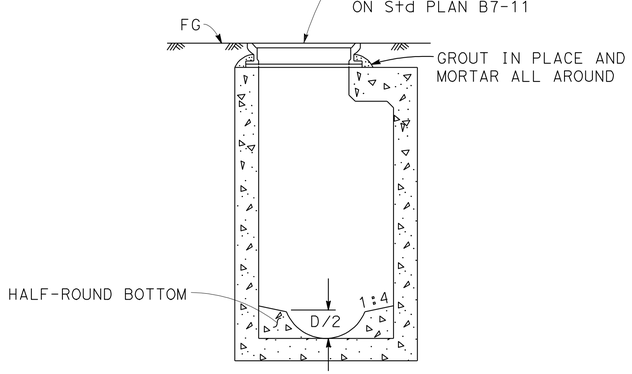


PLAN

NOTE:

FOR DETAILS NOT SHOWN, SEE Std PLAN D73 - G2 INLET.

FOR FRAME & COVER, SEE DETAIL U45 ON Std PLAN B7-11



SECTION A-A

TYPE G2 MANHOLE

DRAINAGE QUANTITIES

DRAINAGE SYSTEM No.	DRAINAGE UNIT	15" RCP (LF)	REMOVE RCP (LF)	REMOVE INLET (EA)	REMOVE MANHOLE (EA)	MANHOLE (N) (EA)	Misc IRON & STEEL (LB)	MINOR STRUCTURE (CY)	MINOR Conc	FRAME & GRATE OR FRAME & COVER (N) TYPE 24-12X (EA)	FRAME & GRATE OR FRAME & COVER (N) MANHOLE COVER TYPE U 45 (EA)	Max PIPE COVER (N) (Ft)	HEIGHT OF DRAINAGE STRUCTURE (N) (Ft)	PIPE JOINT CLASSIFICATION (N)	DESCRIPTION	STATION
1	a						239	1.1	1				3.25		G1 INLET	76.25' Lt ML 11+22.3
	b	29												S	15'' RCP	76.25' Lt ML 11+22.3 TO 51.24' Lt ML 11+43
	c					1	435	1.49		1		2.35	3.6		G2 MANHOLE	51.24' Lt ML 11+43
	d	10												S	15'' RCP	51.24' Lt ML 11+43 TO 57.17' Lt ML 11+53
	e						239	1.1	1			2.2	3.25		G1 INLET	57.17' Lt ML 11+53
	f			1											REMOVE INLET	
	g		23												REMOVE RCP	
	h			1											REMOVE INLET	
	i		10												REMOVE RCP	
	j				1										REMOVE MH	
	k		8												REMOVE RCP	
TOTAL		39	41	2	1		913	3.7								

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

DRAINAGE DETAILS AND QUANTITIES

NO SCALE

DD-1

CALCULATED-DESIGNED BY			
CHECKED BY	GG	REVISED BY	
CARLA WILLIAMS	7/14/09	DATE REVISED	
GEORGE GIN			
FUNCTIONAL SUPERVISOR			
JOSEPH E. PETERSON			

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
HYDRAULICS

LAST REVISION DATE PLOTTED => 06-MAY-2010
08-25-09 TIME PLOTTED => 13:32

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

LEGEND:

UTILITY	SYMBOL	OWNER
GAS	——g——g——	PG&E
ELECTRIC	——e——e——	PG&E
FIBER OPTIC TELEPHONE	——t——t——	AT&T (SBC), NEXTEL, XO, MCI, ABOVE NET
WATER	——w——w——	HETCHY
SEWER	——s——s——	CITY
STORM DRAIN	——sd——sd——	CALTRANS
ABANDONED	——b——b——b——	

ABBREVIATIONS:

ARV	AIR RELEASE VALVE
BOV	BLOW OFF VALVE
CALW	CALIFORNIA WATER SERVICE COMPANY
CUP	COPPER PIPE
DIP	DUCTILE IRON PIPE
FM	FORCE MAIN
GV	GATE VALVE
HDPE	HIGH-DENSITY POLYETHYLENE
HPG	HIGH PRESSURE GAS
HV	HIGH VOLTAGE
SFW CO	SAN FRANCISCO WATER COMPANY

NOTE:
ALL UTILITY SHOWN HERE ON ARE EXISTING
UNLESS OTHERWISE SHOWN.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	15	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
Exp 9-30-11
CIVIL
STATE OF CALIFORNIA

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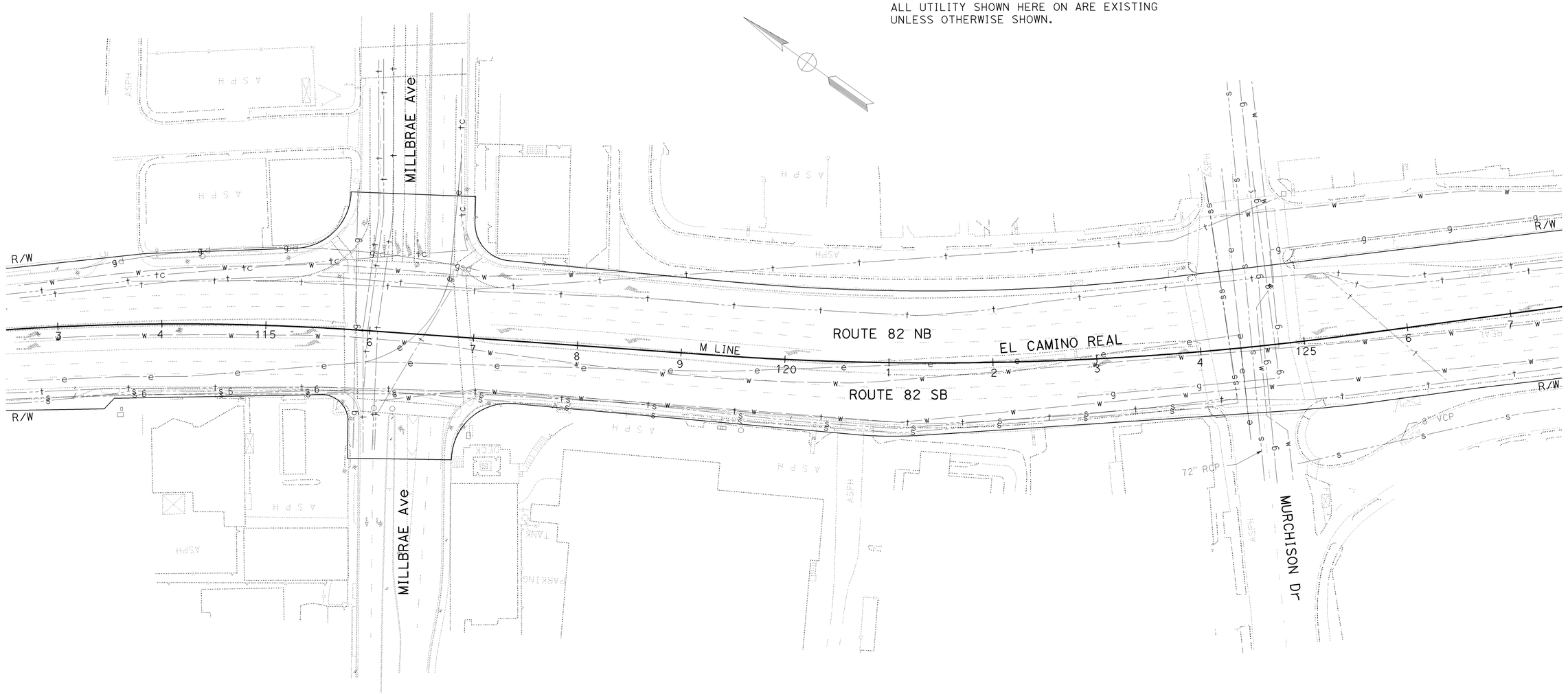

UTILITY PLAN
SCALE: 1"=50'

THIS PLAN ACCURATE FOR
UTILITY INFORMATION ONLY

U-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans
FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH
CALCULATED-DESIGNED BY: GINA CHOI
CHECKED BY: GEORGE GIN
REVISED BY: GC
DATE REVISED: 7/16/09

LAST REVISION
DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 10:48
08-07-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmnguye
DGN FILE => 424992ka001.dgn
CU 04242
EA 249921

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	16	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
Exp. 9-30-11
CIVIL
STATE OF CALIFORNIA

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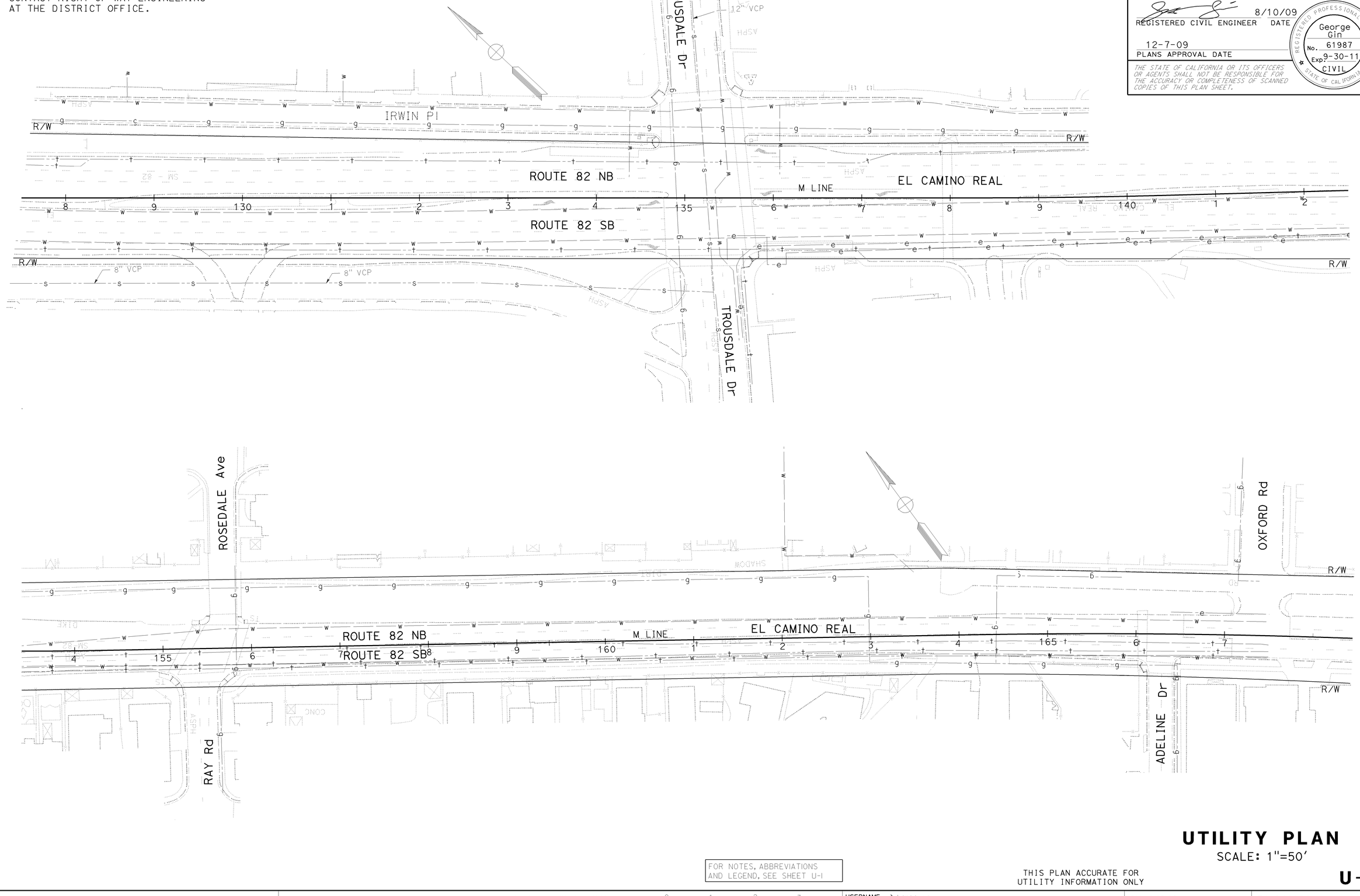

UTILITY PLAN

SCALE: 1"=50'

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

U-2

REVISED BY	DATE REVISED
GC	7/16/09

CALCULATED-DESIGNED BY: GINA CHOI
CHECKED BY: GEORGE GIN

FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION DATE PLOTTED => 10-DEC-2009
08-26-09 TIME PLOTTED => 10:48

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trmnguye
DGN FILE => 424992ka002.dgn

CU 04242

EA 249921

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	17	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

George Gin
No. 61987
Exp. 9-30-11
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

12-7-09
PLANS APPROVAL DATE

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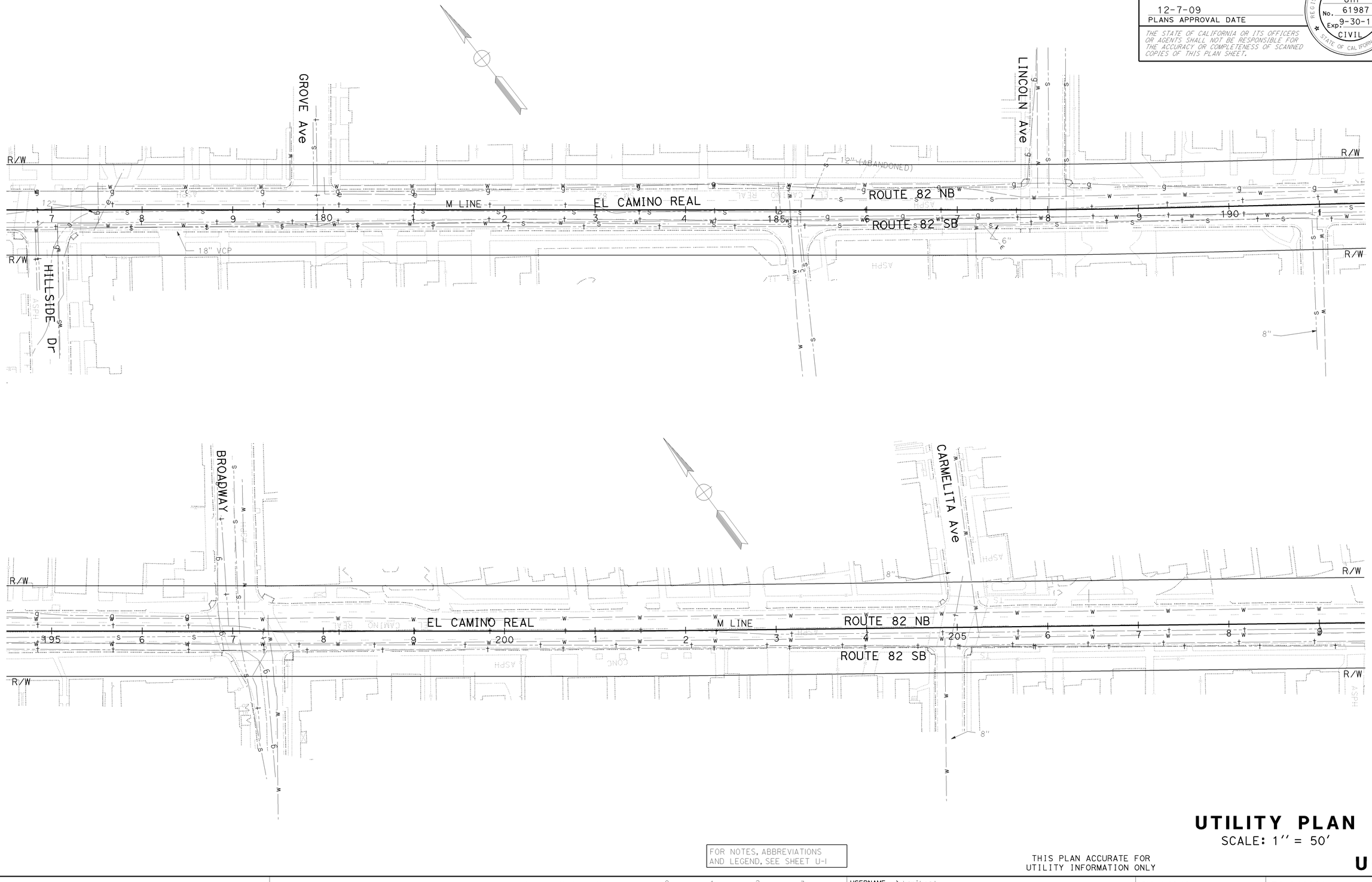


FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-I

UTILITY PLAN

SCALE: 1'' = 50'

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

U-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH
CALCULATED-DESIGNED BY: GINA CHOI
CHECKED BY: GEORGE GIN
REVISED BY: GC
DATE REVISED: 7/16/09

LAST REVISION DATE PLOTTED => 11-DEC-2009
TIME PLOTTED => 08:35
08-07-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmikesl
DGN FILE => 424992ka003.dgn
CU 04242
EA 249921

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

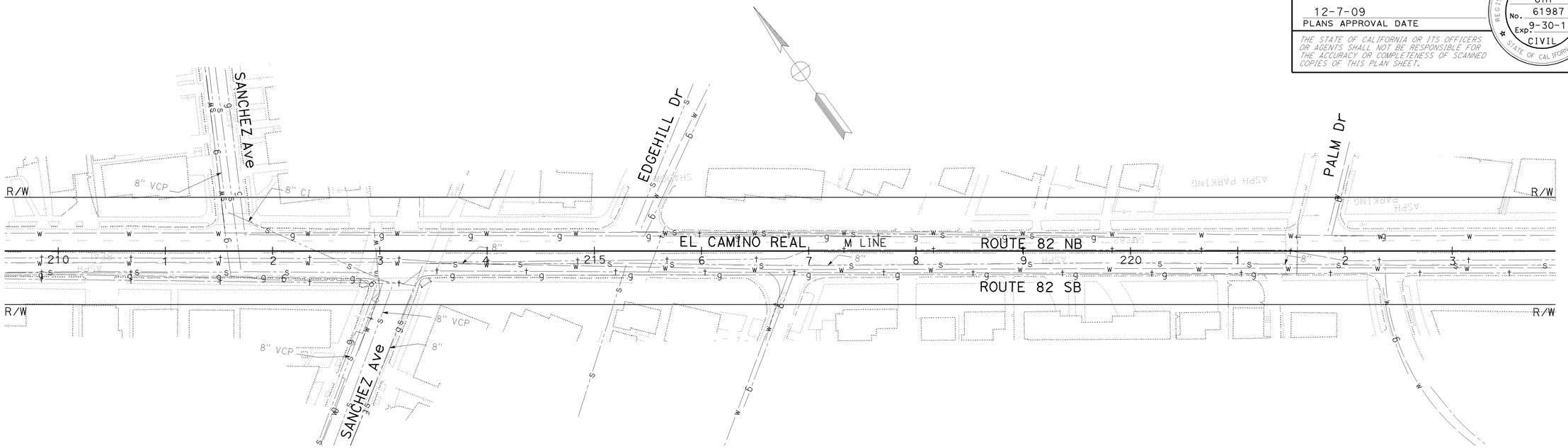
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	18	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
Exp. 9-30-11
CIVIL
STATE OF CALIFORNIA

12-7-09
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.



FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

UTILITY PLAN

SCALE: 1'' = 50'

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

U-4

CALCULATED-DESIGNED BY	GINA CHOI	REVISED BY	GC
CHECKED BY	GEORGE GIN	DATE REVISED	7/16/09
FUNCTIONAL SUPERVISOR	ABOLFAZL EMADZADEH		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 08-07-09 | DATE PLOTTED => 10-DEC-2009 | TIME PLOTTED => 11:48

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => trmnguye | DGN FILE => 424992ka004.dgn | CU 04242 | EA 249921

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

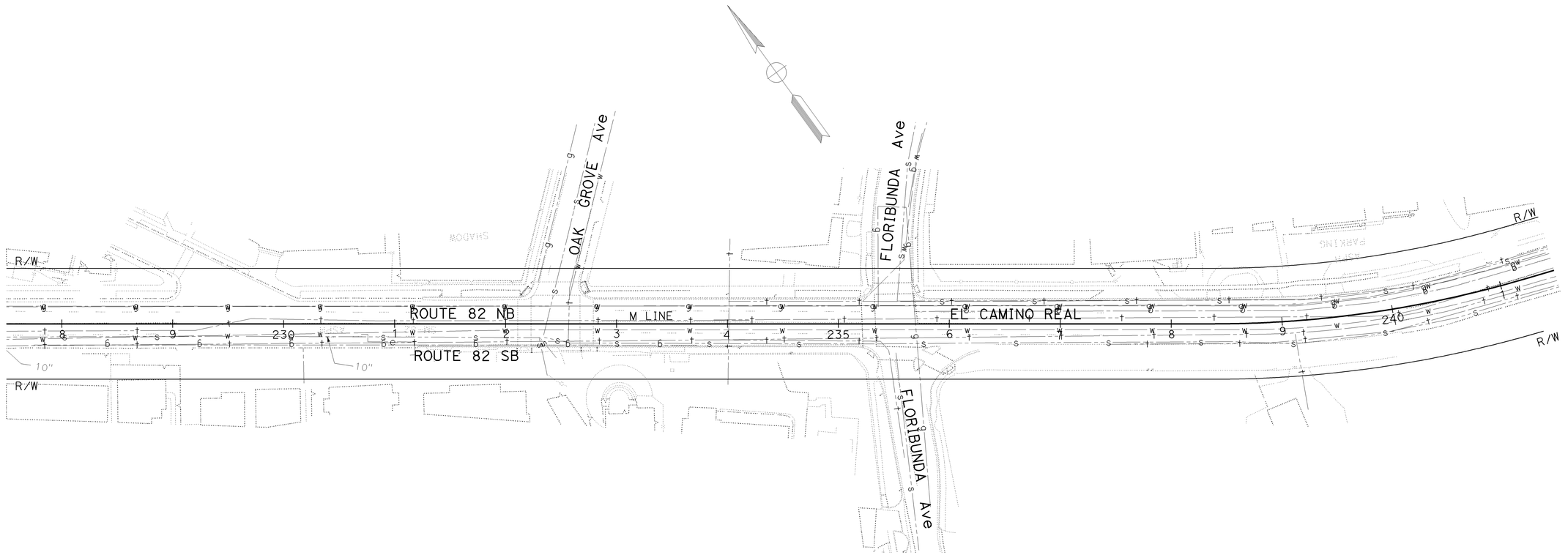
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	19	227

REGISTERED CIVIL ENGINEER 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
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.



UTILITY PLAN

SCALE: 1'' = 50'

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

U-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH
CALCULATED-DESIGNED BY: GINA CHOI
CHECKED BY: GEORGE GIN
REVISED BY: GC
DATE REVISED: 7/16/09

LAST REVISION 08-07-09
DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 10:48

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmnguye
DGN FILE => 424992ka005.dgn
CU 04242
EA 249921

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

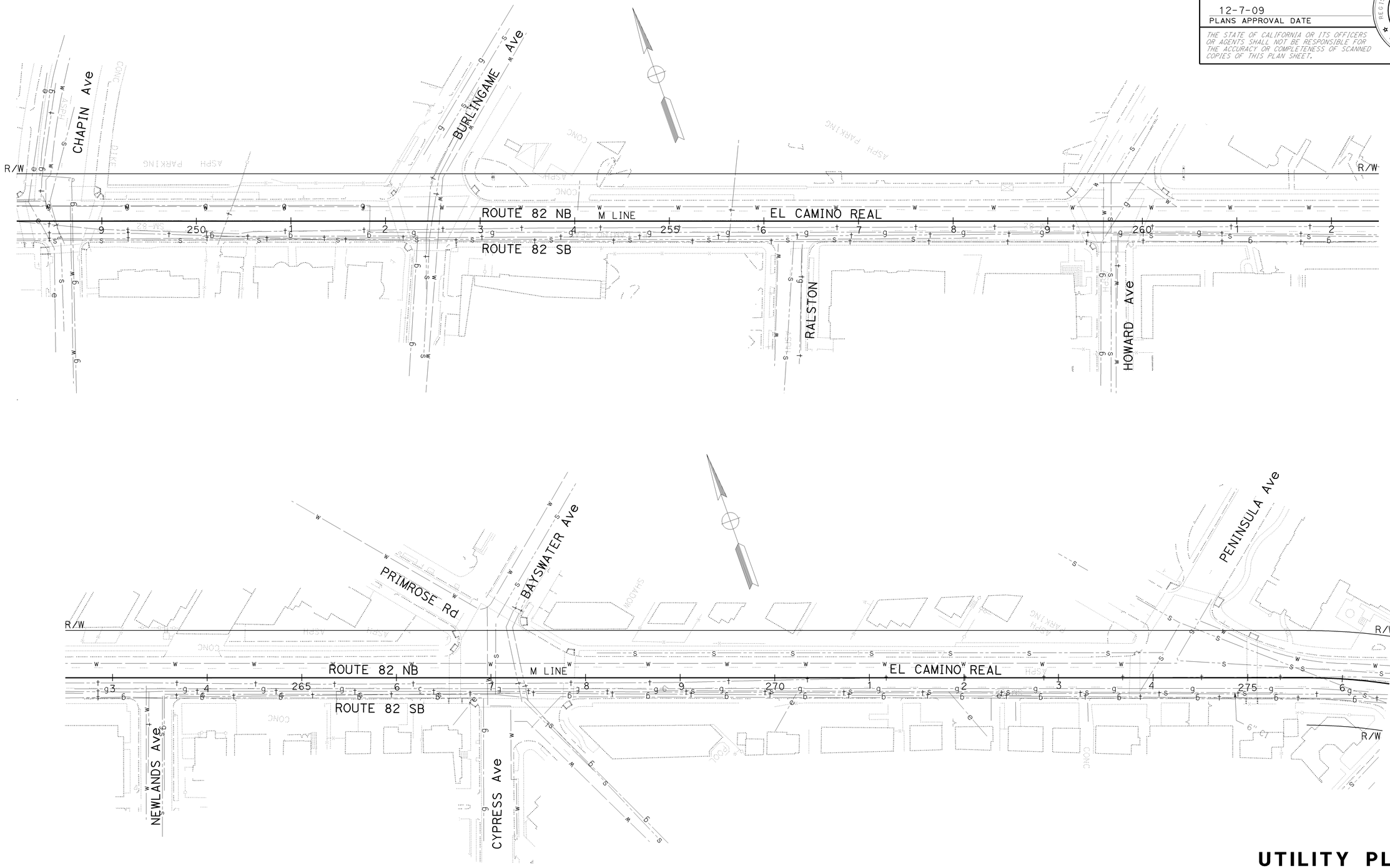
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	20	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
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.



UTILITY PLAN

SCALE: 1'' = 50'

U-6

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-I

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

LAST REVISION 08-28-09 | DATE PLOTTED => 14-DEC-2009 | TIME PLOTTED => 15:06

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION | DESIGN | FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH | CALCULATED-DESIGNED BY: GINA CHOI | CHECKED BY: GEORGE GIN | REVISED BY: GC | DATE REVISED: 7/16/09

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => trpierce | DGN FILE => 424992ka006.dgn | CU 04242 | EA 249921

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

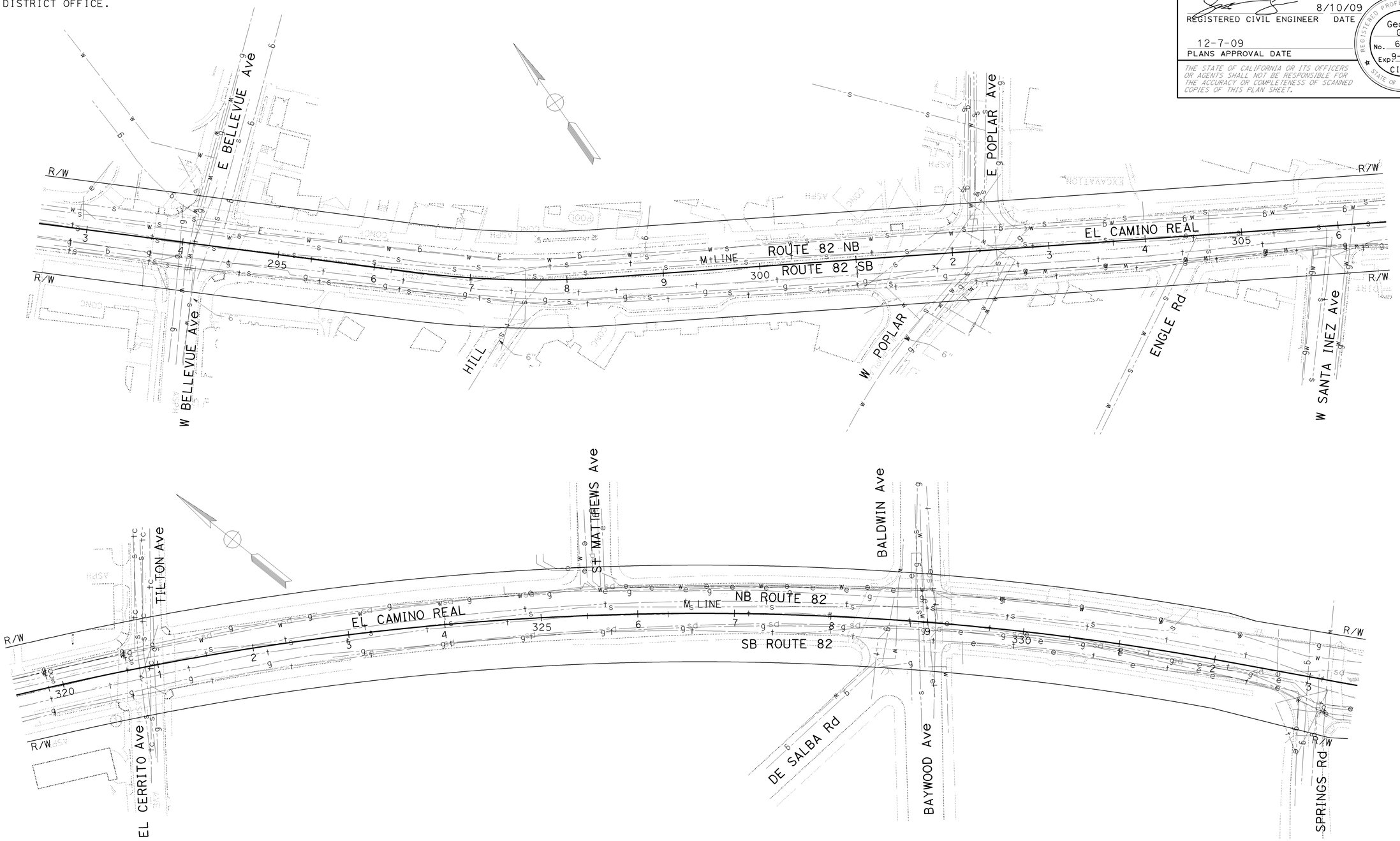
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	21	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
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.



UTILITY PLAN

SCALE: 1'' = 50'

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

U-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH
CALCULATED-DESIGNED BY: GINA CHOI
CHECKED BY: GEORGE GIN
REVISED BY: GC
DATE REVISED: 7/16/09

LAST REVISION 08-08-09
DATE PLOTTED => 11-DEC-2009
TIME PLOTTED => 08:40

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmikesl
DGN FILE => 424992ka007.dgn
CU 04242
EA 249921

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

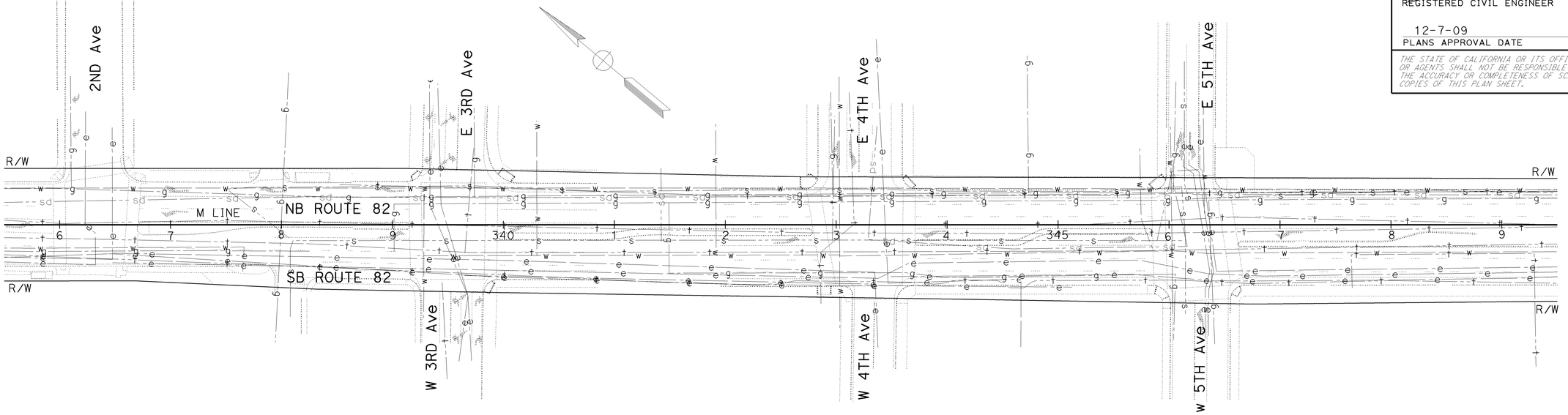
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	22	227

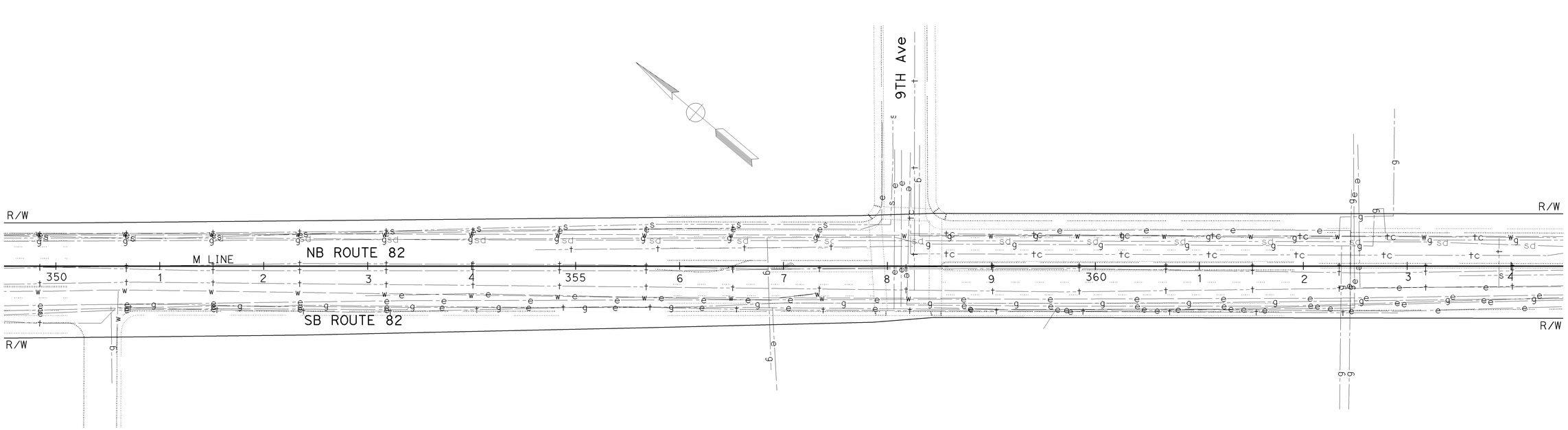
REGISTERED CIVIL ENGINEER — 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
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.





FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-I

UTILITY PLAN

SCALE: 1'' = 50'

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

U-8

REVISED BY	DATE REVISED
GC	7/16/09

CALCULATED-DESIGNED BY	CHECKED BY
GINA CHOI	GEORGE GIN

FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 10:48
08-07-09

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trmnguye
DGN FILE => 424992ka008.dgn

CU 04242

EA 249921

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

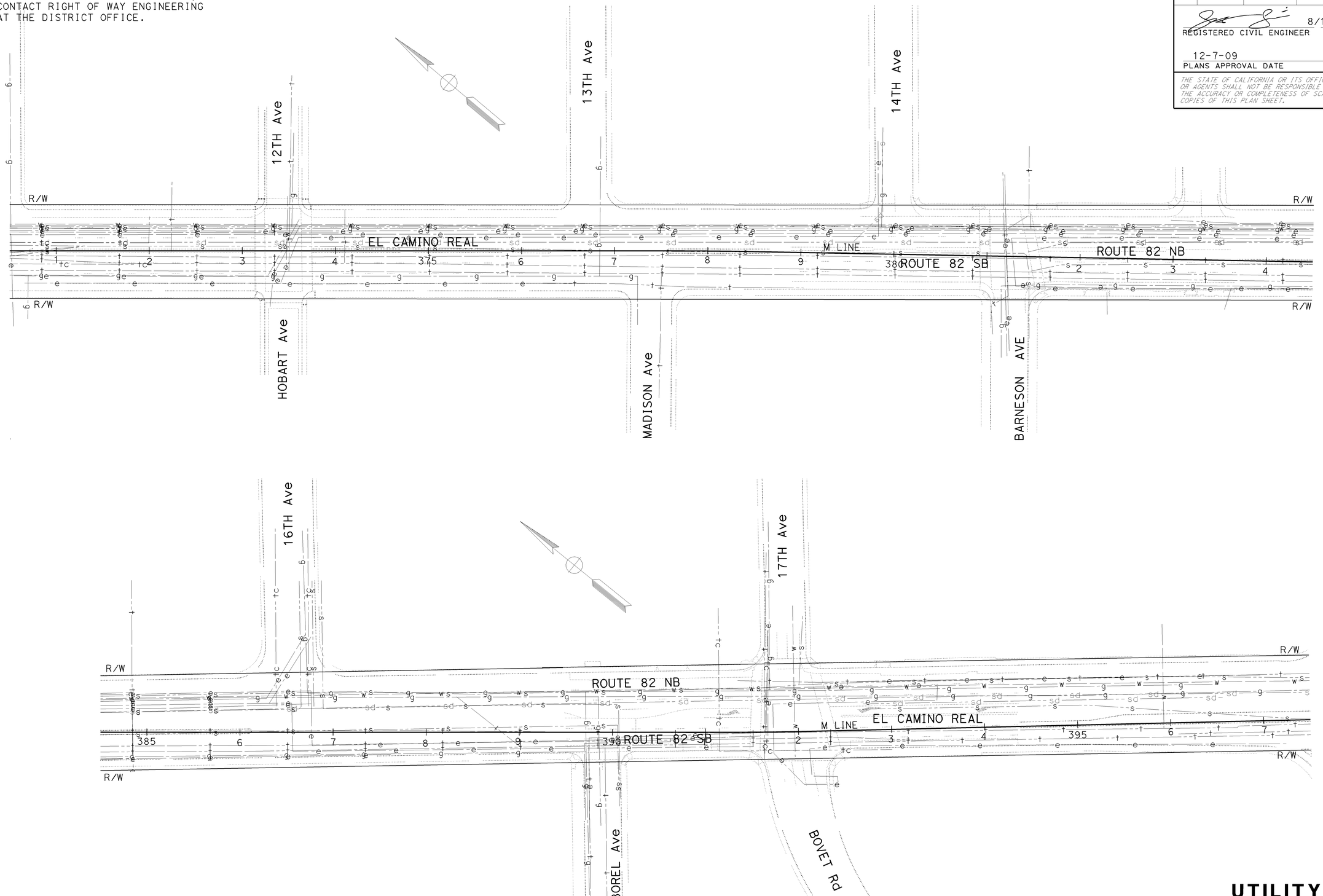
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	23	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

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

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
Exp. 9-30-11
CIVIL
STATE OF CALIFORNIA



FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-I

UTILITY PLAN

SCALE: 1'' = 50'

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

U-9

CALCULATED-DESIGNED BY	GC	REVISED BY	7/16/09
CHECKED BY		DATE REVISED	
GINA CHOI			
GEORGE GIN			
FUNCTIONAL SUPERVISOR			
ABOLFAZL EMADZADEH			

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION | DATE PLOTTED => 10-DEC-2009
08-25-09 | TIME PLOTTED => 10:49

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trmnguye
DGN FILE => 424992ka009.dgn

CU 04242

EA 249921

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

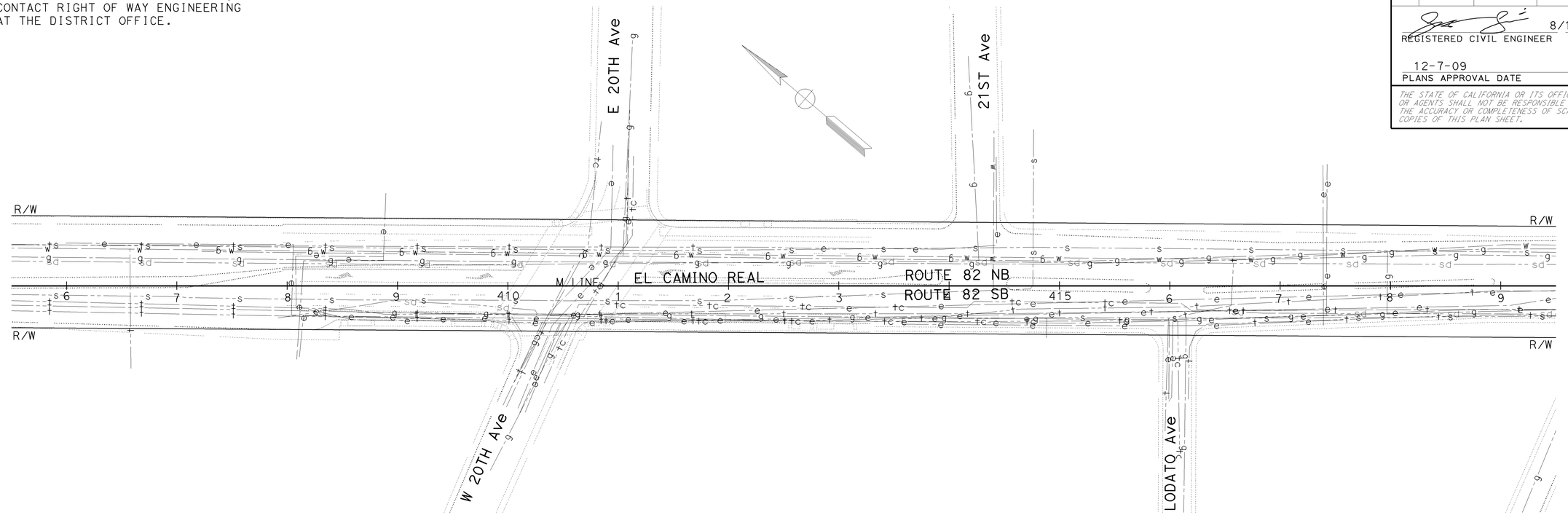
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	24	227

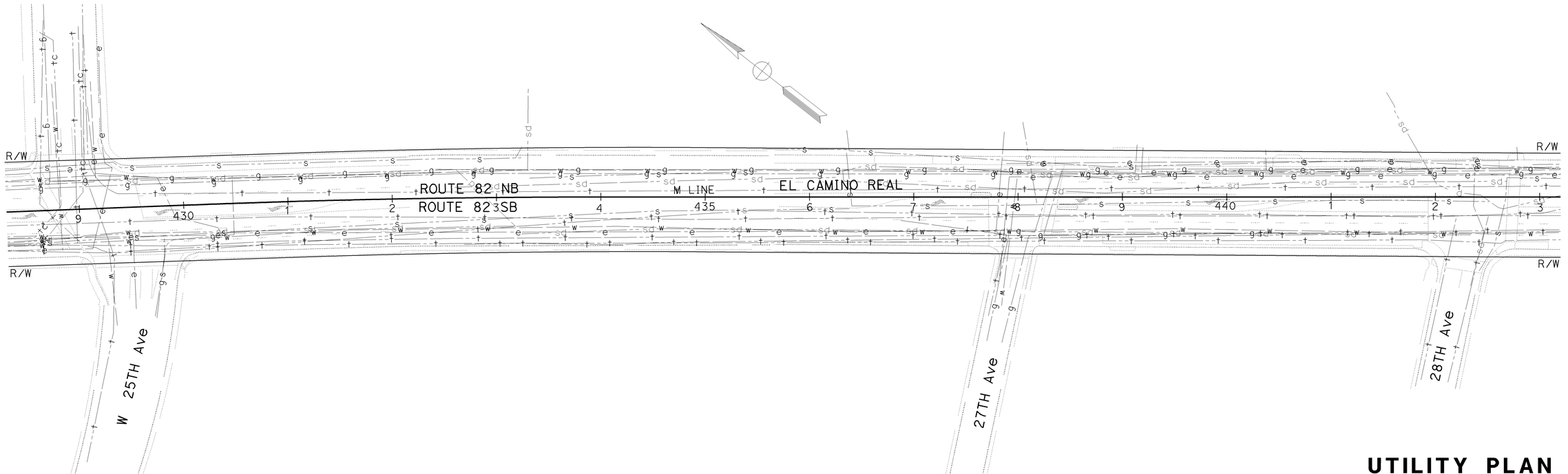
REGISTERED CIVIL ENGINEER — 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
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.





FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-I

UTILITY PLAN
SCALE: 1'' = 50'

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

U-10

LAST REVISION | DATE PLOTTED => 10-DEC-2009
08-08-09 | TIME PLOTTED => 10:49

CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED
GINA CHOI	GEORGE GIN	GC	7/16/09

FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trmnguye
DGN FILE => 424992ka010.dgn

CU 04242

EA 249921

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

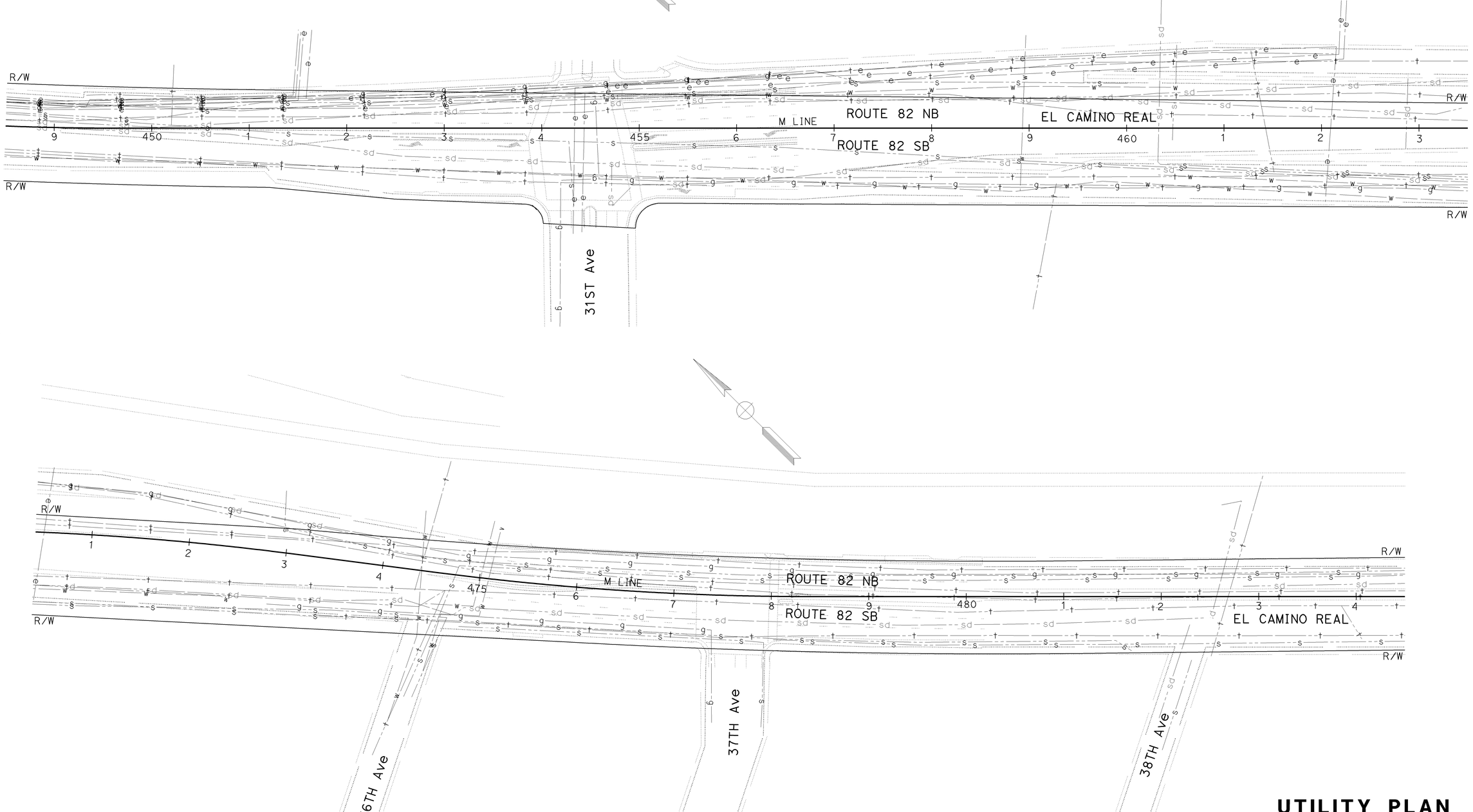
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	25	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
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.



UTILITY PLAN
SCALE: 1'' = 50'

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

U-11

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

CALCULATED-DESIGNED BY	REVISED BY	FUNCTIONAL SUPERVISOR
GINA CHOI	GC	ABOLFAZL EMADZADEH
CHECKED BY	DATE REVISED	
GEORGE GIN	7/16/09	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION | DATE PLOTTED => 10-DEC-2009
08-08-09 | TIME PLOTTED => 10:49

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trmnguye
DGN FILE => 424992ka011.dgn

CU 04242

EA 249921

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

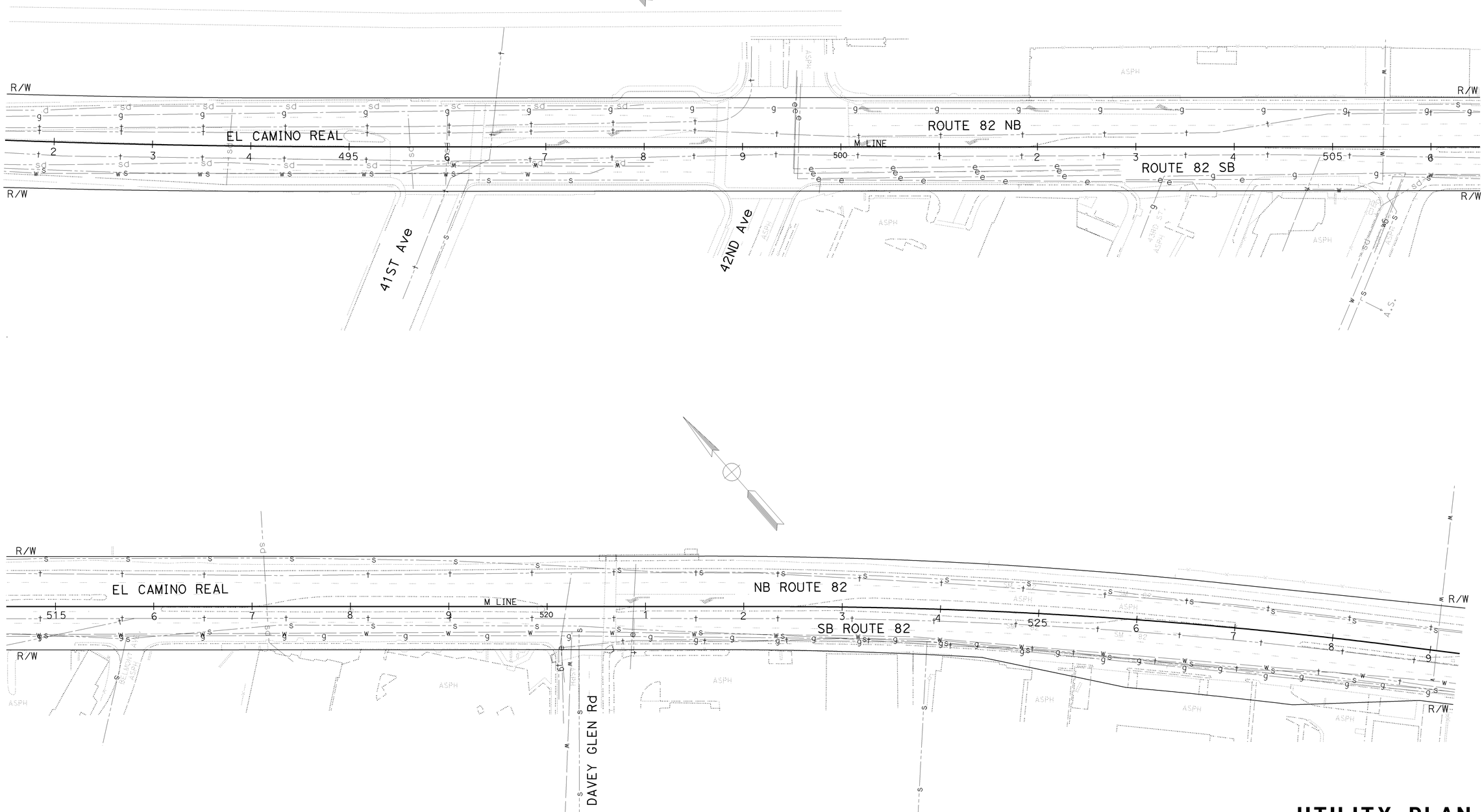
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	26	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
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.



FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-I

UTILITY PLAN
SCALE: 1'' = 50'

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

U-12

REVISED BY	DATE REVISED
GC	7/16/09

CALCULATED-DESIGNED BY	CHECKED BY
GINA CHOI	GEORGE GIN

FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION DATE PLOTTED => 10-DEC-2009
08-28-09 TIME PLOTTED => 15:31

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trcarol
DGN FILE => 424992ka012.dgn

CU 04242

EA 249921

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	27	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

George Gin No. 61987 Exp 9-30-11 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

12-7-09
PLANS APPROVAL DATE

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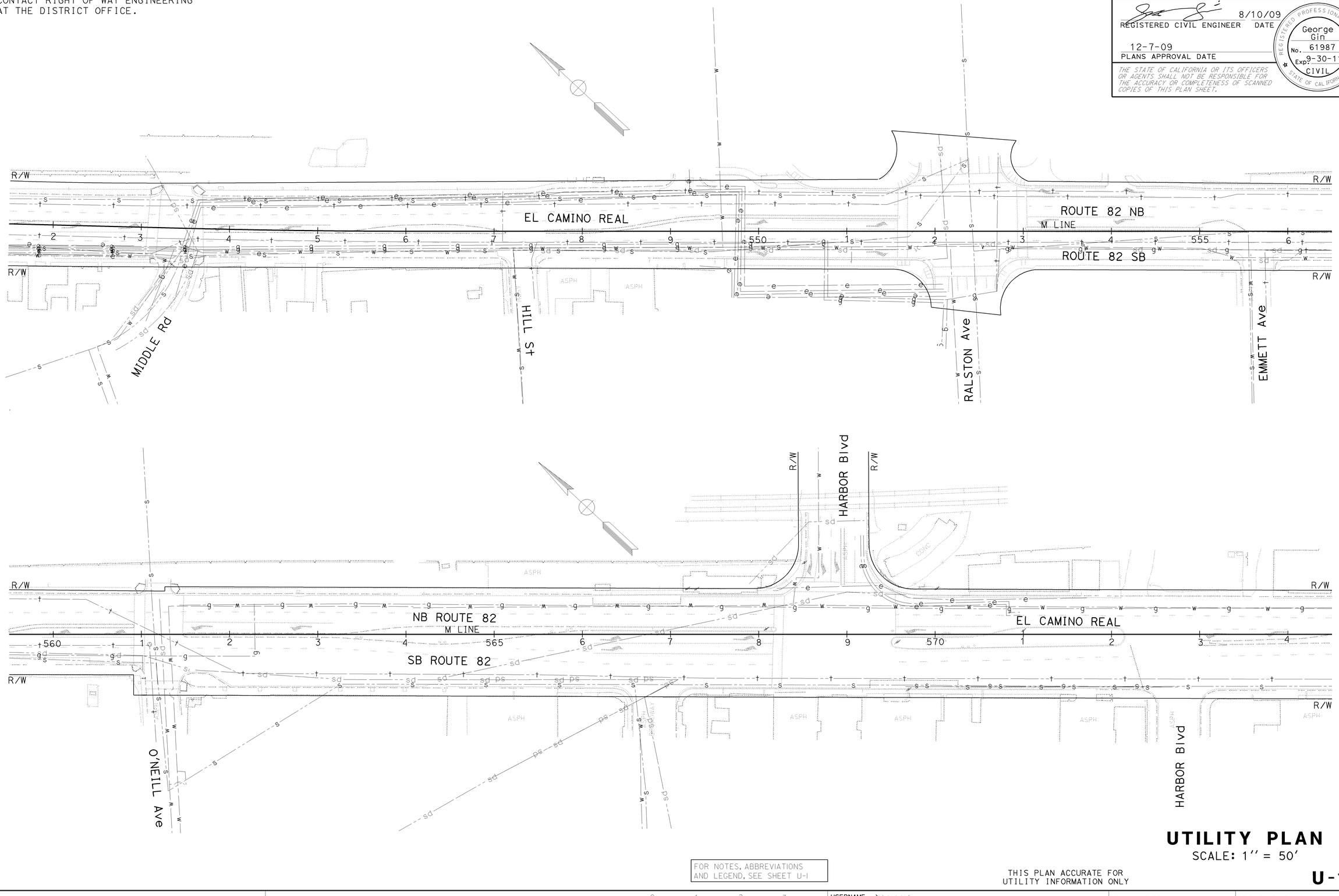

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-I

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

UTILITY PLAN

SCALE: 1'' = 50'

U-13

REVISED BY	DATE REVISED
GC	7/16/09

CALCULATED-DESIGNED BY: GINA CHOI
CHECKED BY: GEORGE GIN
FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION DATE PLOTTED => 10-DEC-2009
08-28-09 TIME PLOTTED => 15:32

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trcarol
DGN FILE => 424992kq013.dgn

CU 04242

EA 249921

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	28	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
Exp 9-30-11
CIVIL
STATE OF CALIFORNIA

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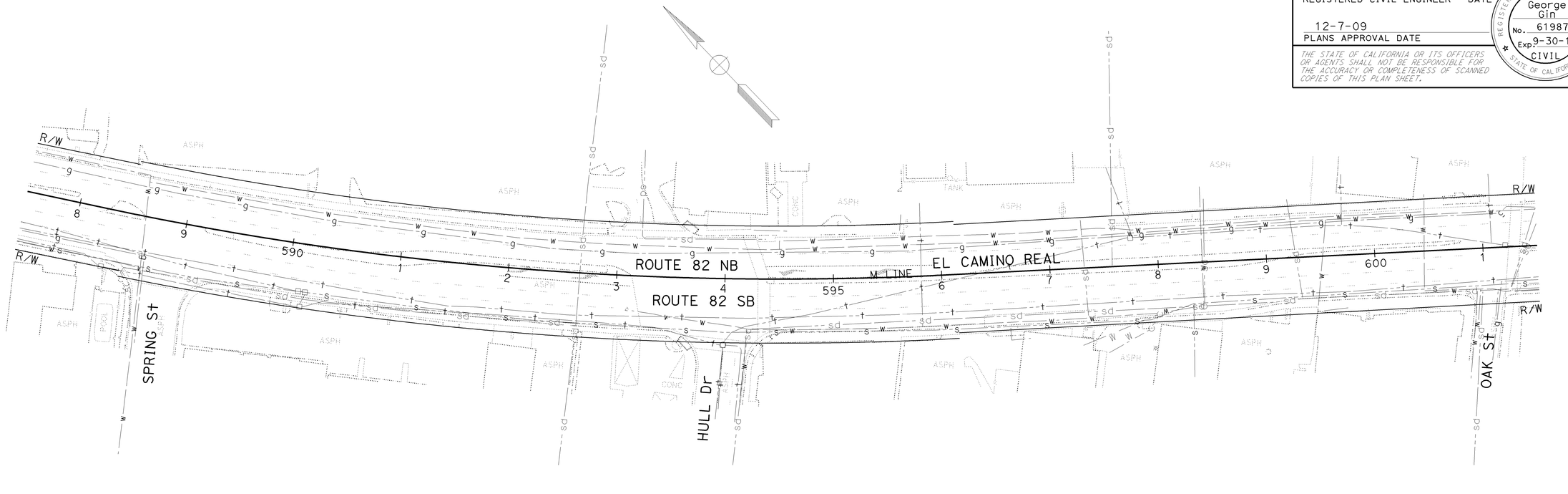
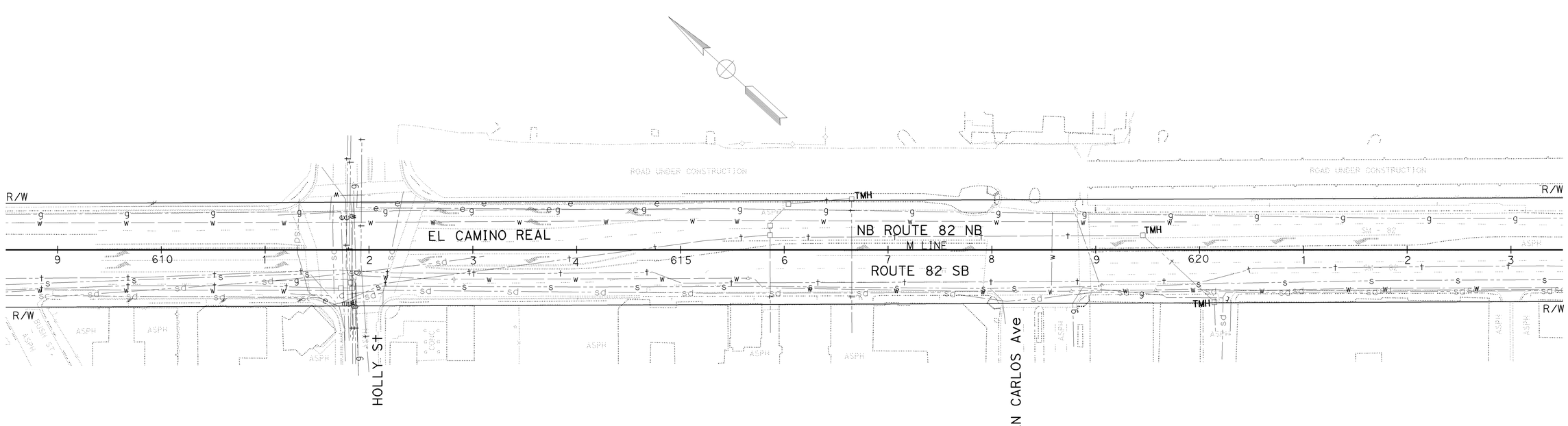




UTILITY PLAN

SCALE: 1'' = 50'

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

U-14

LAST REVISION | DATE PLOTTED => 10-DEC-2009
08-08-09 | TIME PLOTTED => 15:32

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH
CALCULATED-DESIGNED BY: GEORGE GIN
CHECKED BY: GINA CHOI
REVISED BY: GC
DATE REVISED: 7/16/09

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trcarol
DGN FILE => 424992kq014.dgn

CU 04242

EA 249921

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

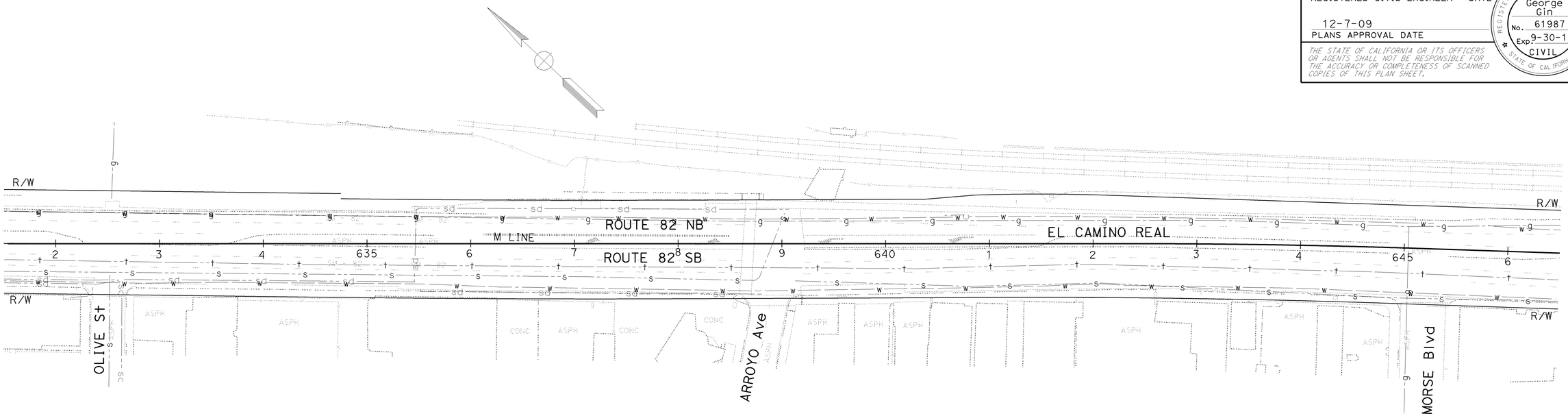
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	29	227

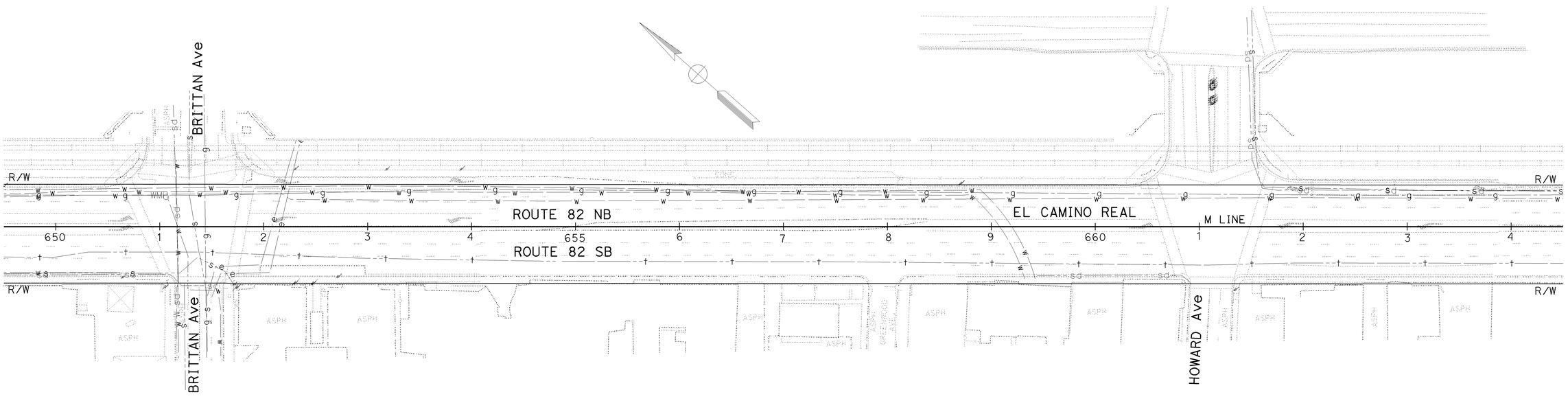
8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
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.





FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-I

UTILITY PLAN
SCALE: 1'' = 50'

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

U-15

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN
FUNCTIONAL SUPERVISOR	ABOLFAZL EMADZADEH
CALCULATED-DESIGNED BY	GINA CHOI
CHECKED BY	GEORGE GIN
REVISED BY	GC
DATE REVISED	7/16/09

LAST REVISION 08-08-09
DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 15:32

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trcarol
DGN FILE => 424992kq015.dgn

CU 04242

EA 249921

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

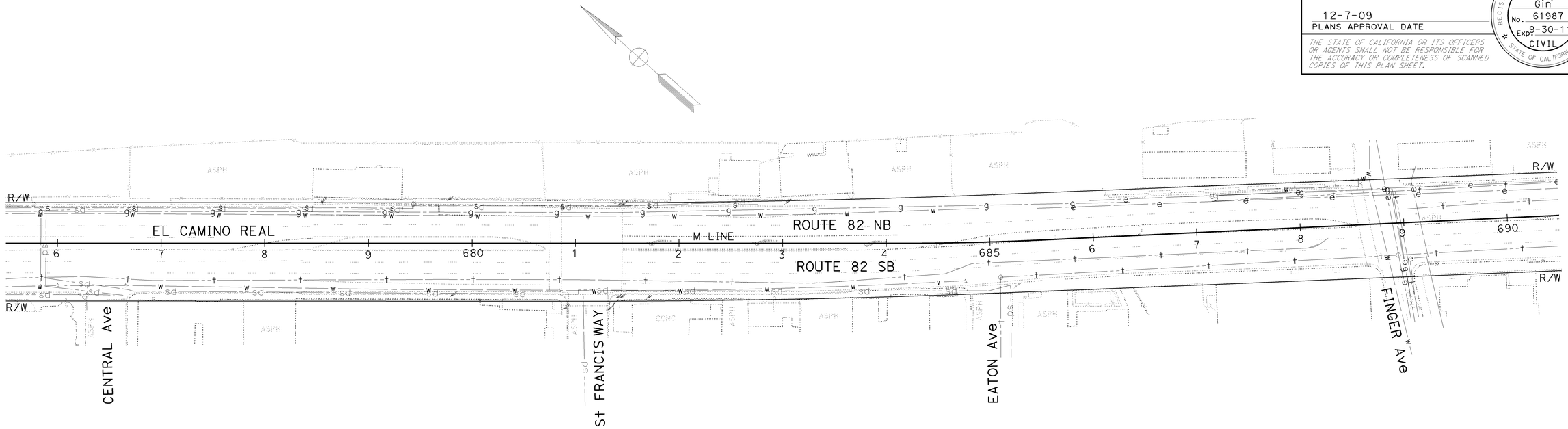
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	30	227

REGISTERED CIVIL ENGINEER 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
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.



UTILITY PLAN

SCALE: 1'' = 50'

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

U-16

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH
CALCULATED-DESIGNED BY: GINA CHOI
CHECKED BY: GEORGE GIN
REVISED BY: GC
DATE REVISED: 7/16/09

LAST REVISION 08-08-09
DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 15:32

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trcarol
DGN FILE => 424992ka016.dgn
CU 04242
EA 249921

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

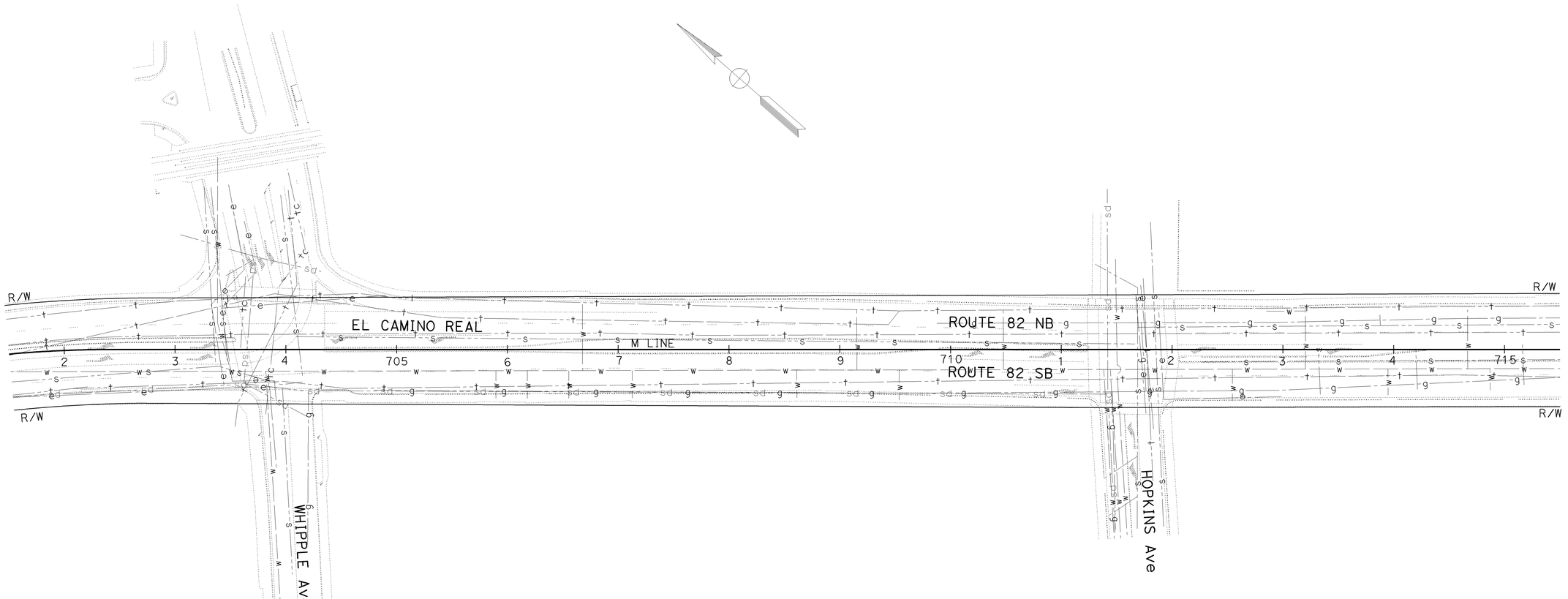
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	31	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
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.



FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-I

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

UTILITY PLAN
SCALE: 1" = 50'

U-17

REVISED BY: GC
DATE REVISED: 7/16/09
CALCULATED-DESIGNED BY: GINA CHOI
CHECKED BY: GEORGE GIN
FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION DATE PLOTTED => 10-DEC-2009
08-05-09 TIME PLOTTED => 15:32

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trcarol
DGN FILE => 424992ka017.dgn
CU 04242
EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	32	227

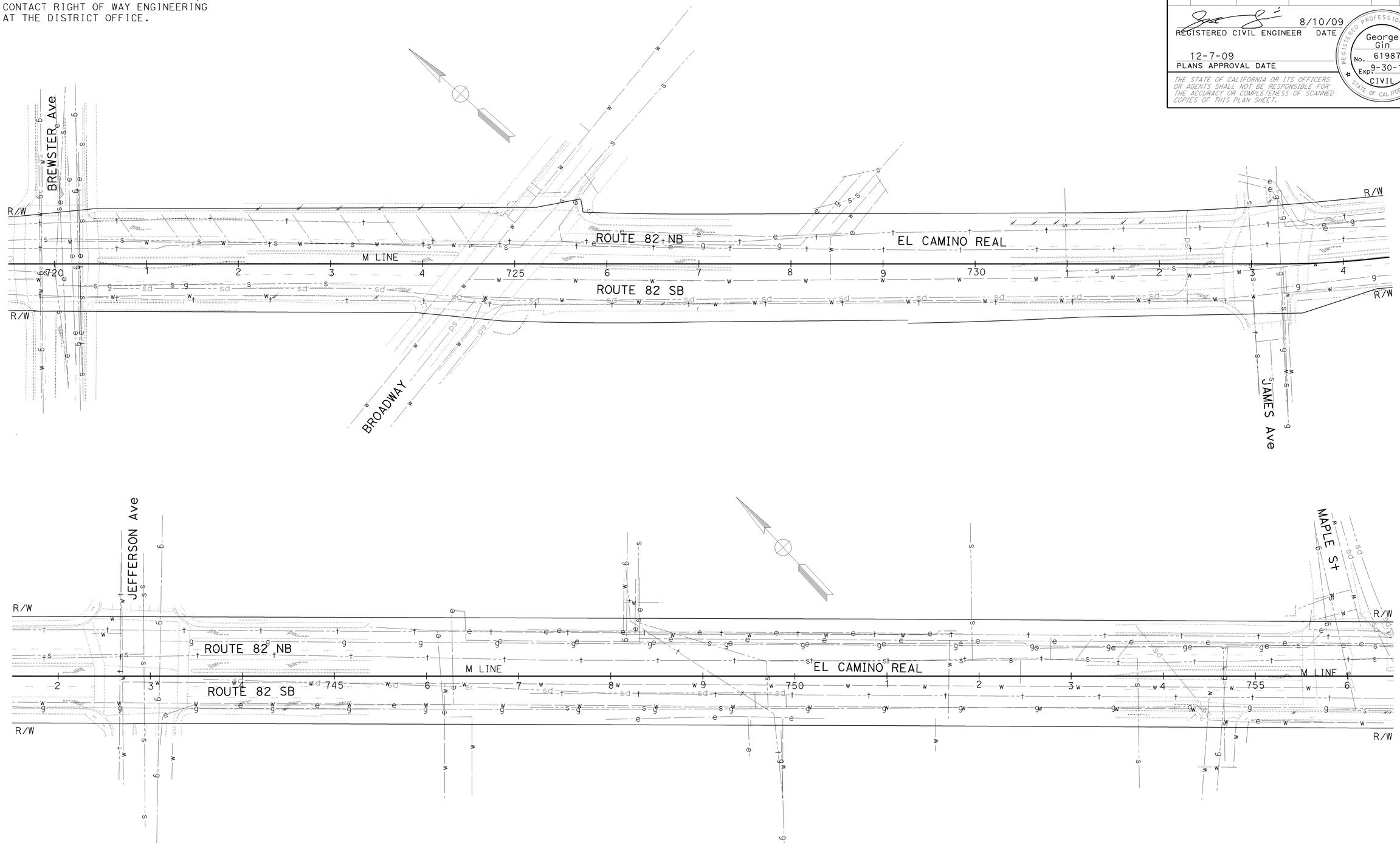
REGISTERED CIVIL ENGINEER 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER George Gin No. 61987 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.

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



UTILITY PLAN

SCALE: 1" = 50'

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

U-18

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans DESIGN

FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH

CALCULATED-DESIGNED BY: GINA CHOI

CHECKED BY: GEORGE GIN

REVISED BY: GC

DATE REVISED: 7/16/09

LAST REVISION 08-26-09

DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 15:32

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trcarol
DGN FILE => 424992ka018.dgn

CU 04242

EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	33	227

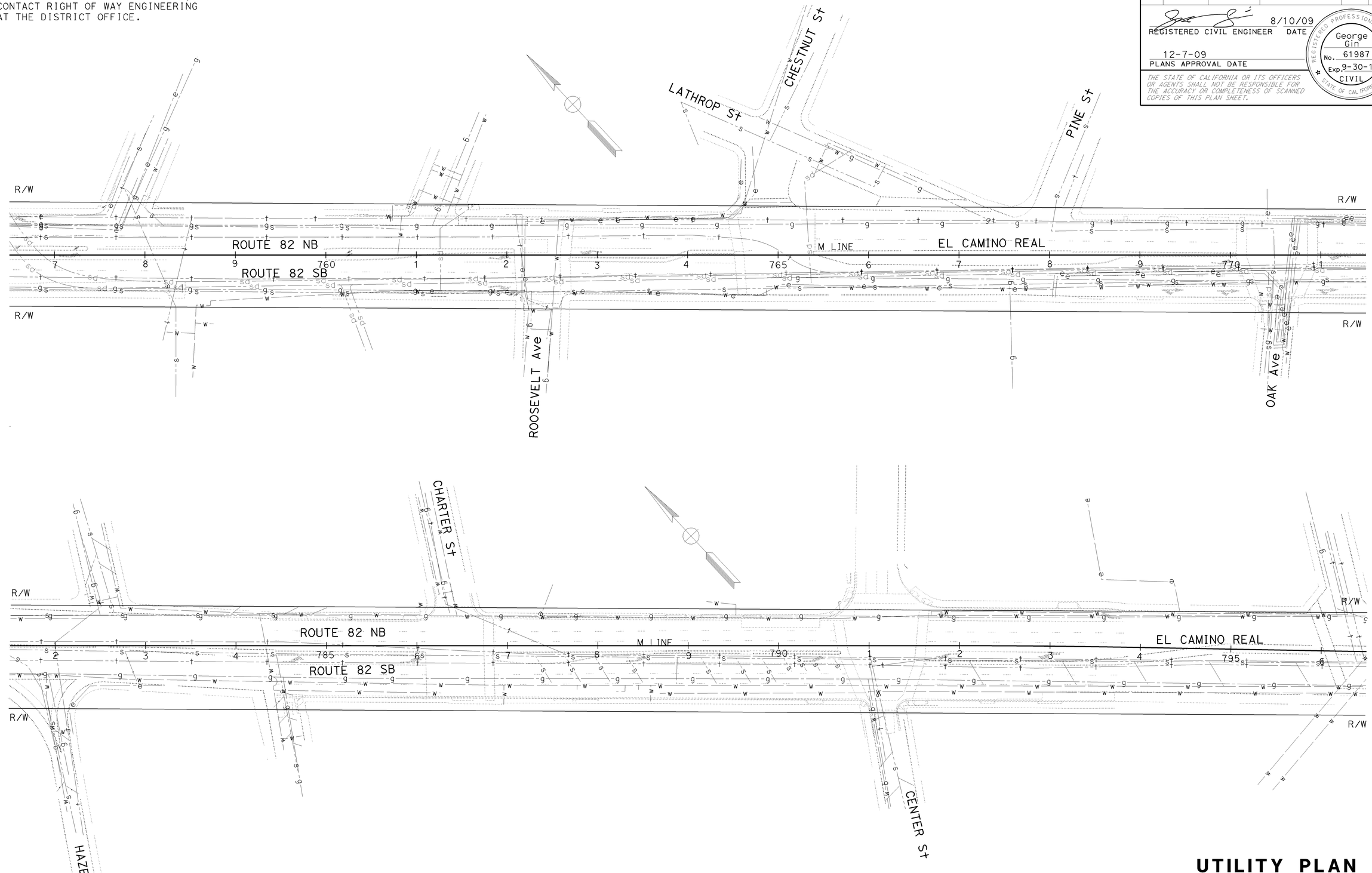
REGISTERED CIVIL ENGINEER 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER George Gin No. 61987 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.

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



UTILITY PLAN

SCALE: 1" = 50'

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

U-19

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans DESIGN

FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH

CALCULATED-DESIGNED BY: GINA CHOI

CHECKED BY: GEORGE GIN

REVISED BY: GC

DATE REVISED: 7/16/09

LAST REVISION 08-08-09

DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 15:32

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trcarol
DGN FILE => 424992ka019.dgn

CU 04242

EA 249921

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

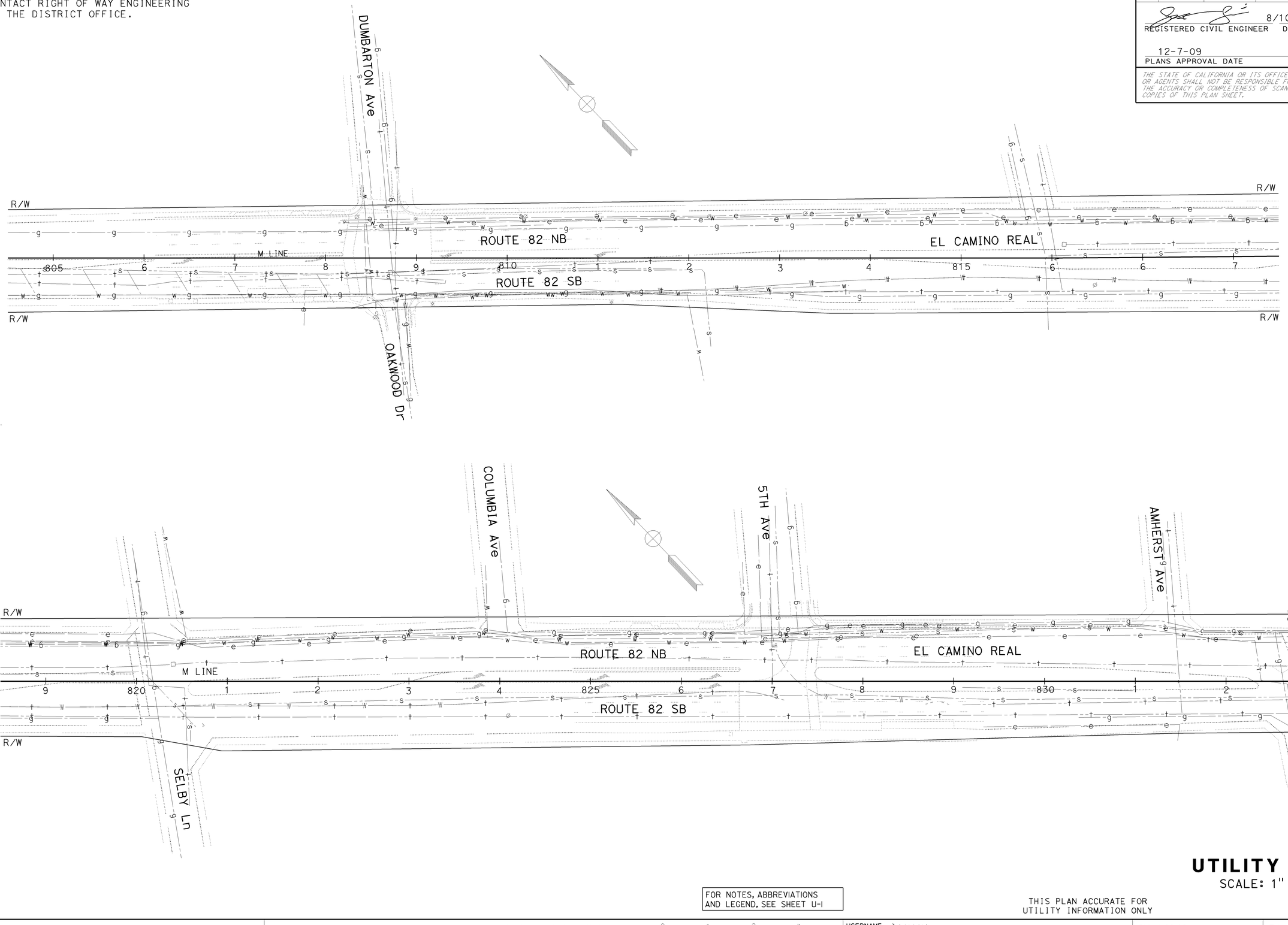
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	34	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
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.



UTILITY PLAN

SCALE: 1" = 50'

U-20

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-I

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

REVISED BY	DATE REVISED
GC	7/16/09

CALCULATED-DESIGNED BY	CHECKED BY
GINA CHOI	GEORGE GIN

FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 15:32
08-08-09

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trcarol
DGN FILE => 424992ka020.dgn

CU 04242

EA 249921

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	35	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — George Gin — No. 61987 — Exp. 9-30-11 — CIVIL — STATE OF CALIFORNIA

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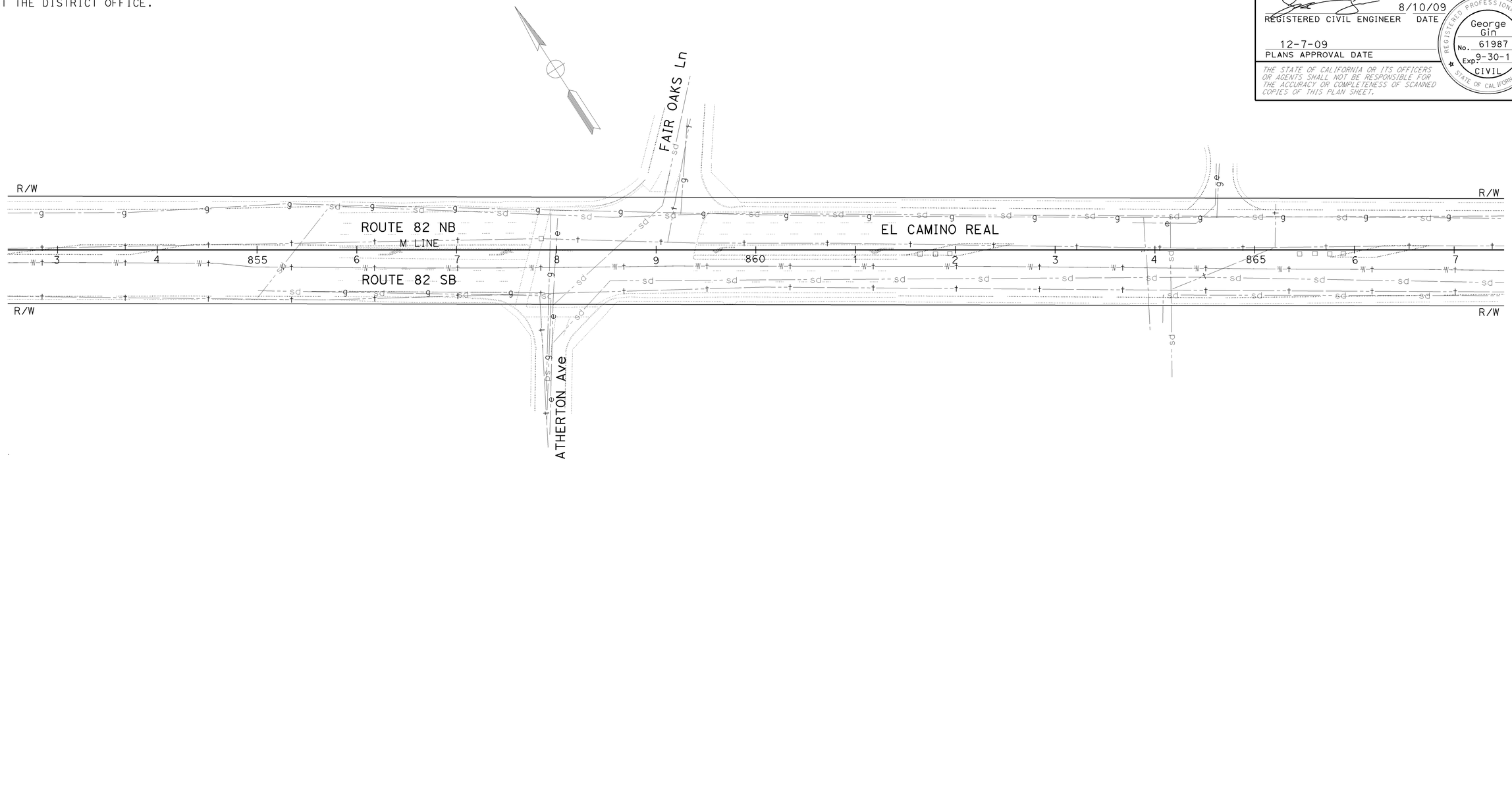

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-I

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

UTILITY PLAN

SCALE: 1" = 50'

U-21

CALCULATED-DESIGNED BY	GC	7/16/09
CHECKED BY	GEORGE GIN	DATE REVISED
	GINA CHOI	REVISED BY
FUNCTIONAL SUPERVISOR	ABOLFAZL EMADZADEH	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trmartin
DGN FILE => 424992ka021.dgn

CU 04242

EA 249921

LAST REVISION 08-08-09
DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 11:16

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	36	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
Exp 9-30-11
CIVIL
STATE OF CALIFORNIA

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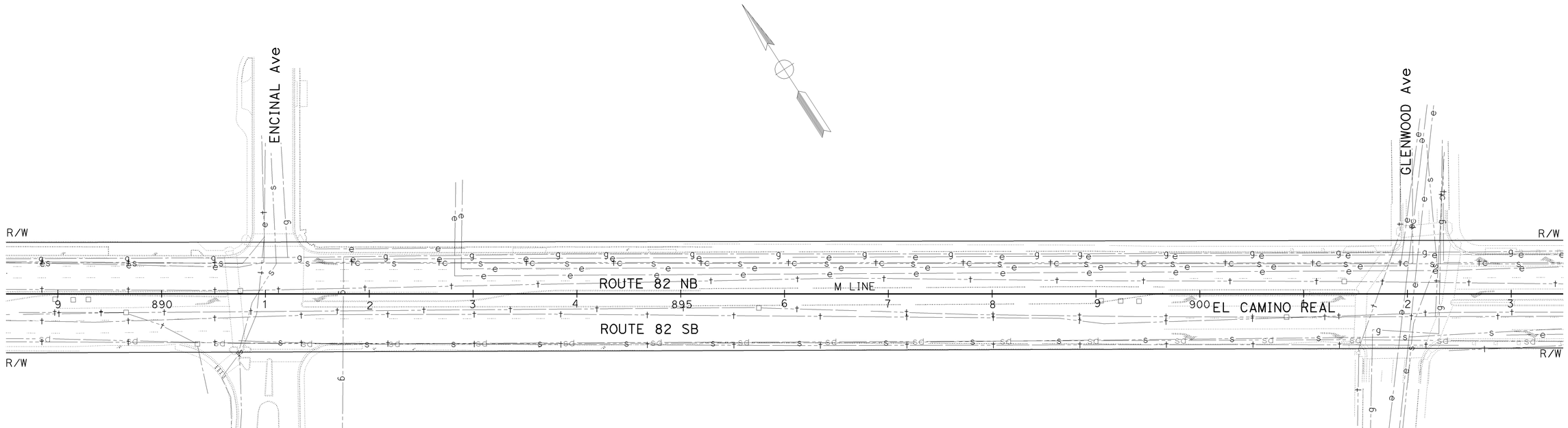


FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

UTILITY PLAN
SCALE: 1" = 50'

U-22

LAST REVISION DATE PLOTTED => 10-DEC-2009
08-08-09 TIME PLOTTED => 15:32

CALCULATED-DESIGNED BY GINA CHOI
CHECKED BY GEORGE GIN
REVISED BY GC
DATE REVISED 7/16/09
FUNCTIONAL SUPERVISOR ABOLFAZL EMADZADEH

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trcarol
DGN FILE => 424992ka022.dgn

CU 04242

EA 249921

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

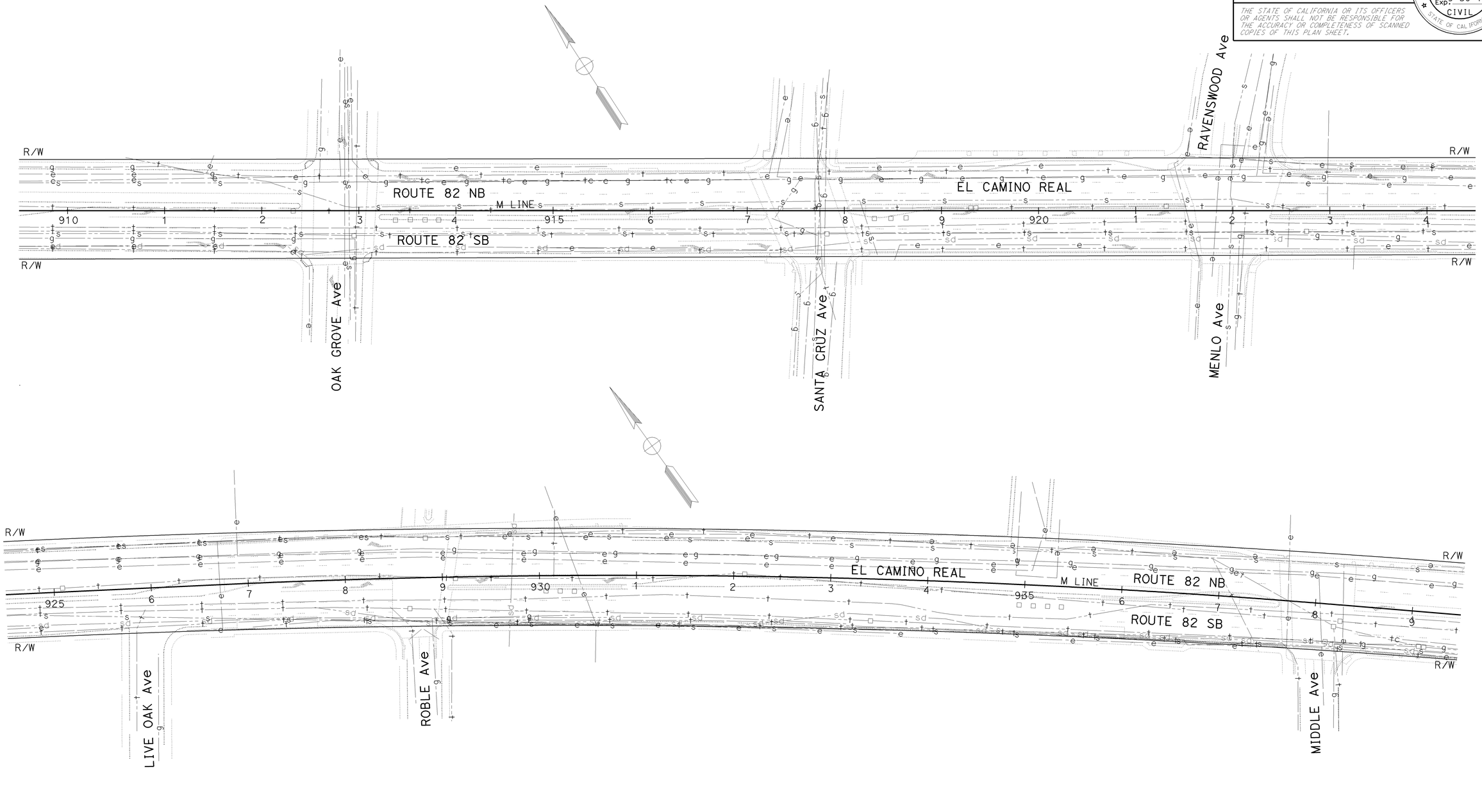
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	37	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — George Gin — No. 61987 — 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.



UTILITY PLAN

SCALE: 1" = 50'

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

THIS PLAN ACCURATE FOR UTILITY INFORMATION ONLY

U-23

CALCULATED-DESIGNED BY	GINA CHOI
CHECKED BY	GEORGE GIN
FUNCTIONAL SUPERVISOR	ABOLFAZL EMADZADEH
REVISED BY	GC
DATE REVISED	7/16/09

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION — DATE PLOTTED => 10-DEC-2009 — TIME PLOTTED => 15:32 — 08-28-09

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trcarol
DGN FILE => 424992ka023.dgn

CU 04242

EA 249921

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

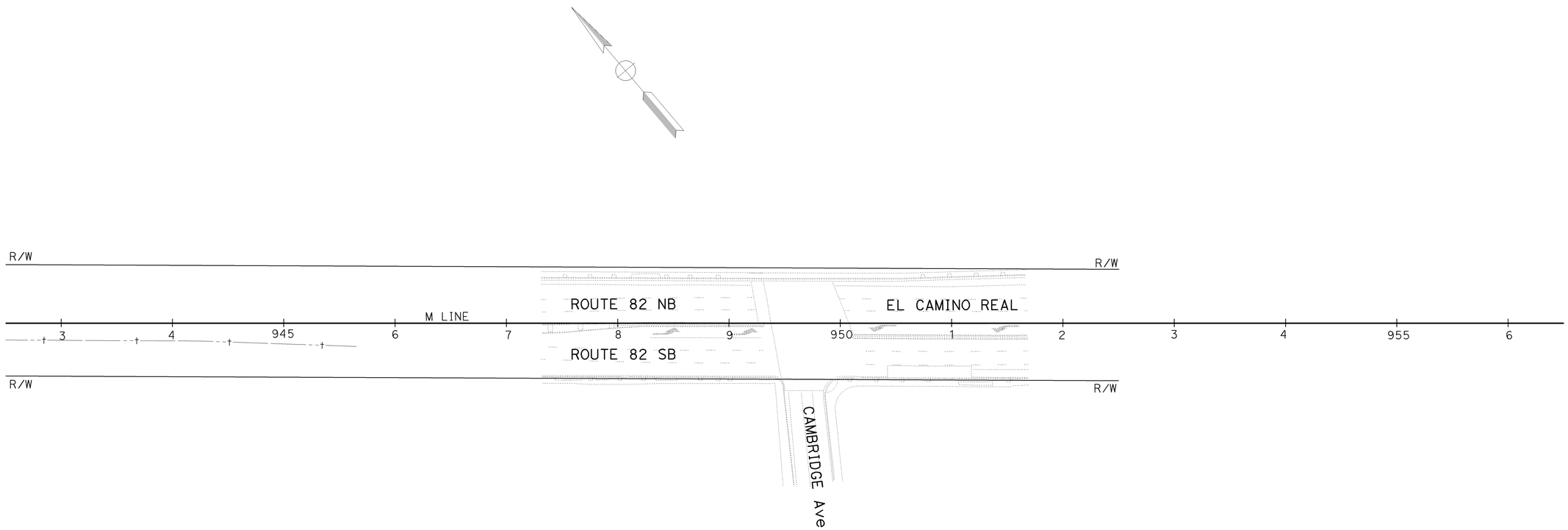
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	38	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
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.



UTILITY PLAN

SCALE: 1" = 50'

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

THIS PLAN ACCURATE FOR UTILITY WORK ONLY

U-24

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH
CALCULATED-DESIGNED BY: GINA CHOI
CHECKED BY: GEORGE GIN
REVISED BY: GC
DATE REVISED: 7/16/09

LAST REVISION 08-08-09
DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 15:32

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trcarol
DGN FILE => 424992ka024.dgn
CU 04242
EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	39	227

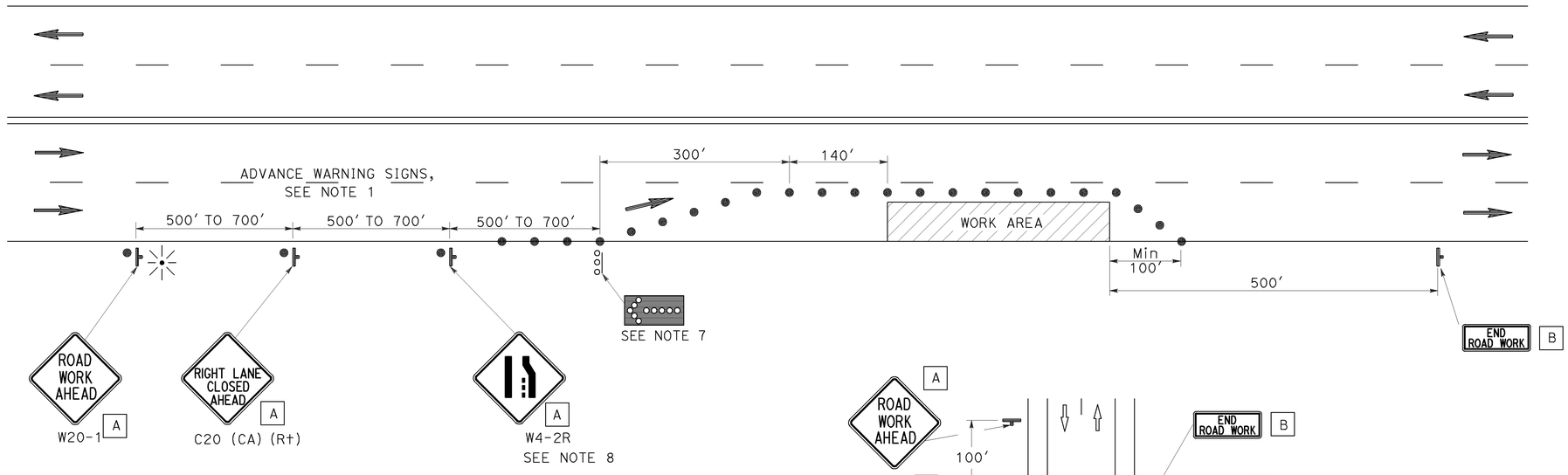
REGISTERED CIVIL ENGINEER — 8/10/09 DATE

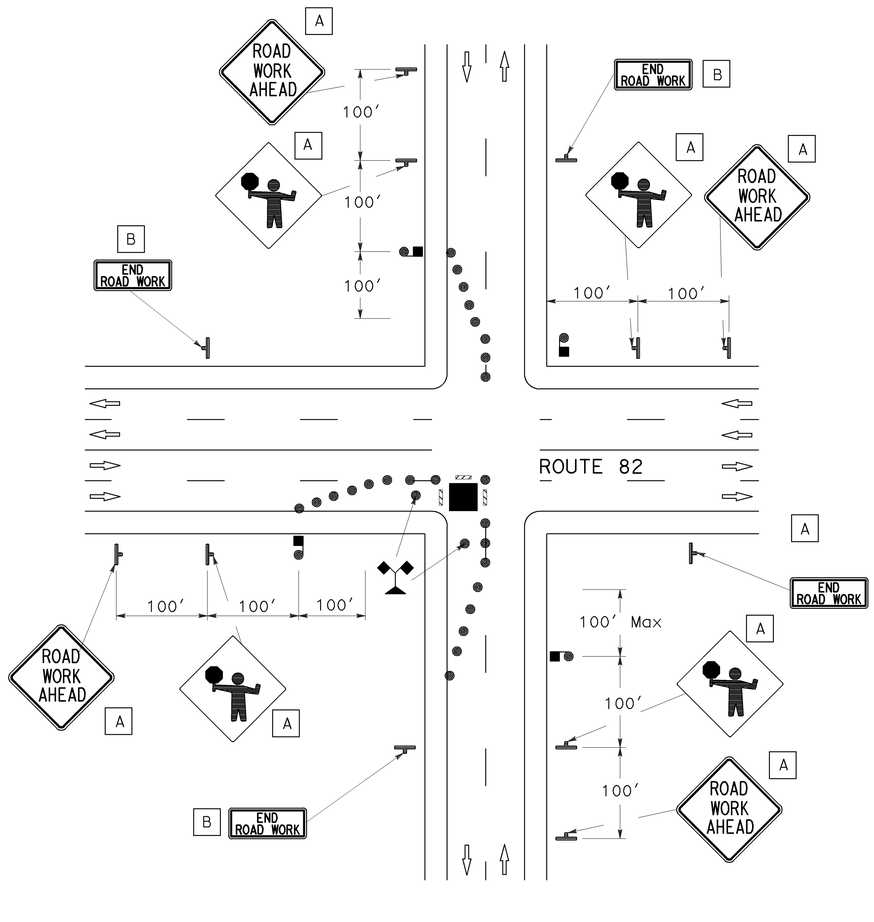
12-7-09
PLANS APPROVAL DATE

Jerilyn L. Struven, No. 49964, Exp. 12-31-10, CIVIL, REGISTERED PROFESSIONAL ENGINEER, STATE OF CALIFORNIA

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

TYPICAL LANE CLOSURE





TYPICAL INTERSECTION CLOSURE

NOTES:

1. LANE CLOSURES SHALL CONFORM TO THE PROVISIONS IN "MAINTAINING TRAFFIC" AND AS DIRECTED BY THE ENGINEER.
2. EXACT LOCATION OF SIGNS TO BE DETERMINED BY THE ENGINEER.
3. SIGNS MAY BE PORTABLE MOUNTED.
4. LENGTH OF WORK AREA. SEE LANE CLOSURE CHART.
5. PLACE CONSTRUCTION AREA SIGN FOR WORK SECTION ONLY.
6. SEE ELECTRICAL PLANS FOR LANE CONFIGURATIONS.
7. FLASHING ARROW SIGN SHALL BE EITHER TYPE I OR TYPE II.
8. WHEN SPECIFIED IN THE SPECIAL PROVISIONS, A W4-2 (MUTCD) "LANE ENDS" SYMBOL SIGN SHALL BE USED IN PLACE OF THE C20 (CA) "RIGHT LANE CLOSED AHEAD" SIGN.
9. SEE SHEET LC-1 FOR LOCATION OF CONSTRUCTION.

LEGEND:

- TRAFFIC CONE
- TEMPORARY SIGN
- DIRECTION OF TRAVEL
- FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- PORTABLE FLASHING BEACON
- FLAGGER

SIGN PANEL SIZE (Min)

- A 36" x 36"
- B 36" x 18"

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC
Caltrans
FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY: SL
DATE REVISED: 7/6/09
STEVEN LAU
JERILYN STRUVEN

LAST REVISION — DATE PLOTTED => 10-DEC-2009, TIME PLOTTED => 11:16
08-26-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmartin
DGN FILE => 4249921a001.dgn
CU 04242
EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	40	227

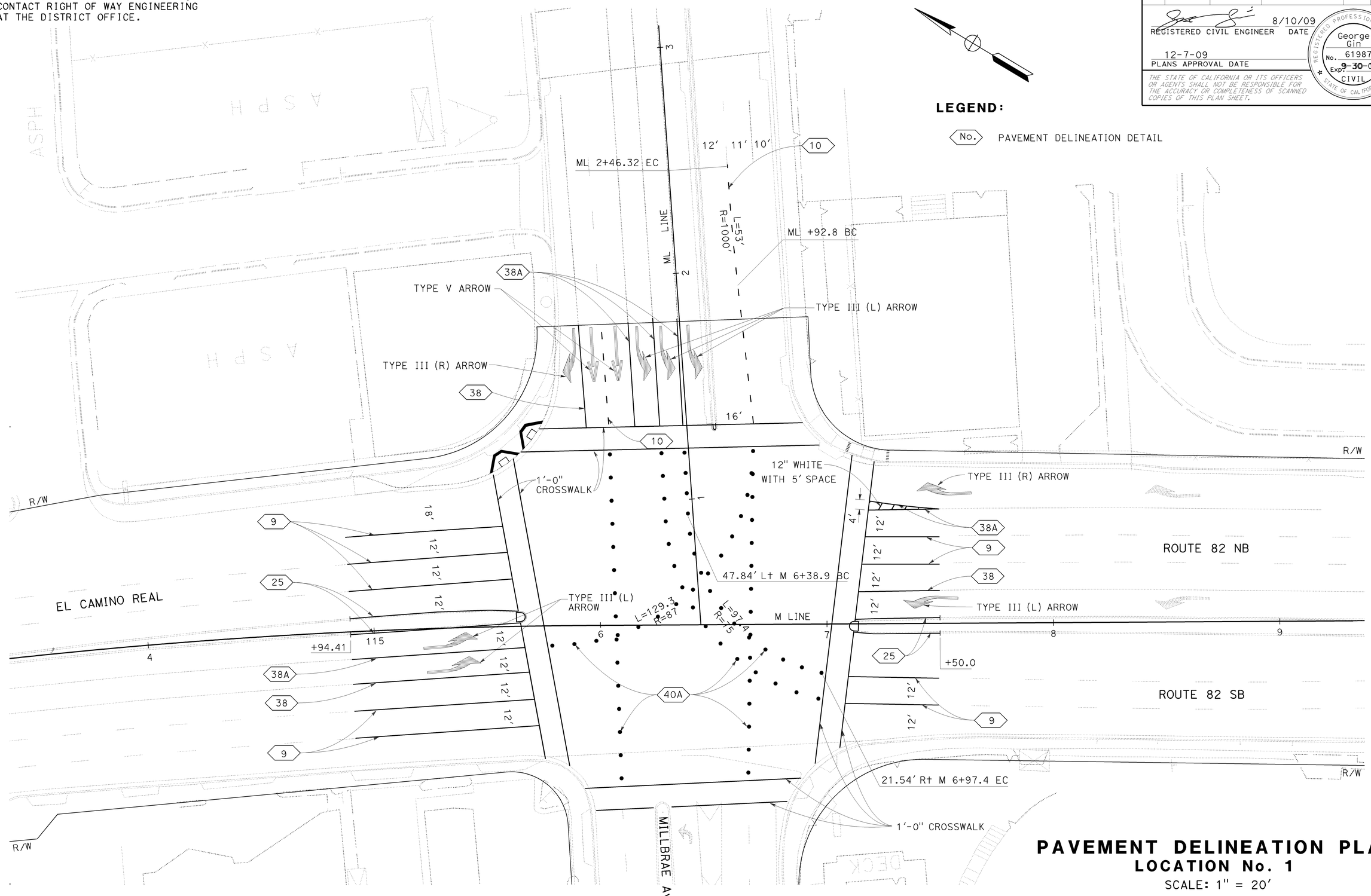
REGISTERED CIVIL ENGINEER 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER George Gin No. 61987 Exp. 9-30-09 CIVIL STATE OF CALIFORNIA

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

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



PAVEMENT DELINEATION PLAN
LOCATION No. 1
SCALE: 1" = 20'

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH
CALCULATED-DESIGNED BY: GINA CHOI
CHECKED BY: GEORGE GIN
REVISED BY: GC
DATE REVISED: 7/16/09

LAST REVISION 08-25-09
DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 11:16

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmartin
DGN FILE => 424992na001.dgn
CU 04242
EA 249921

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

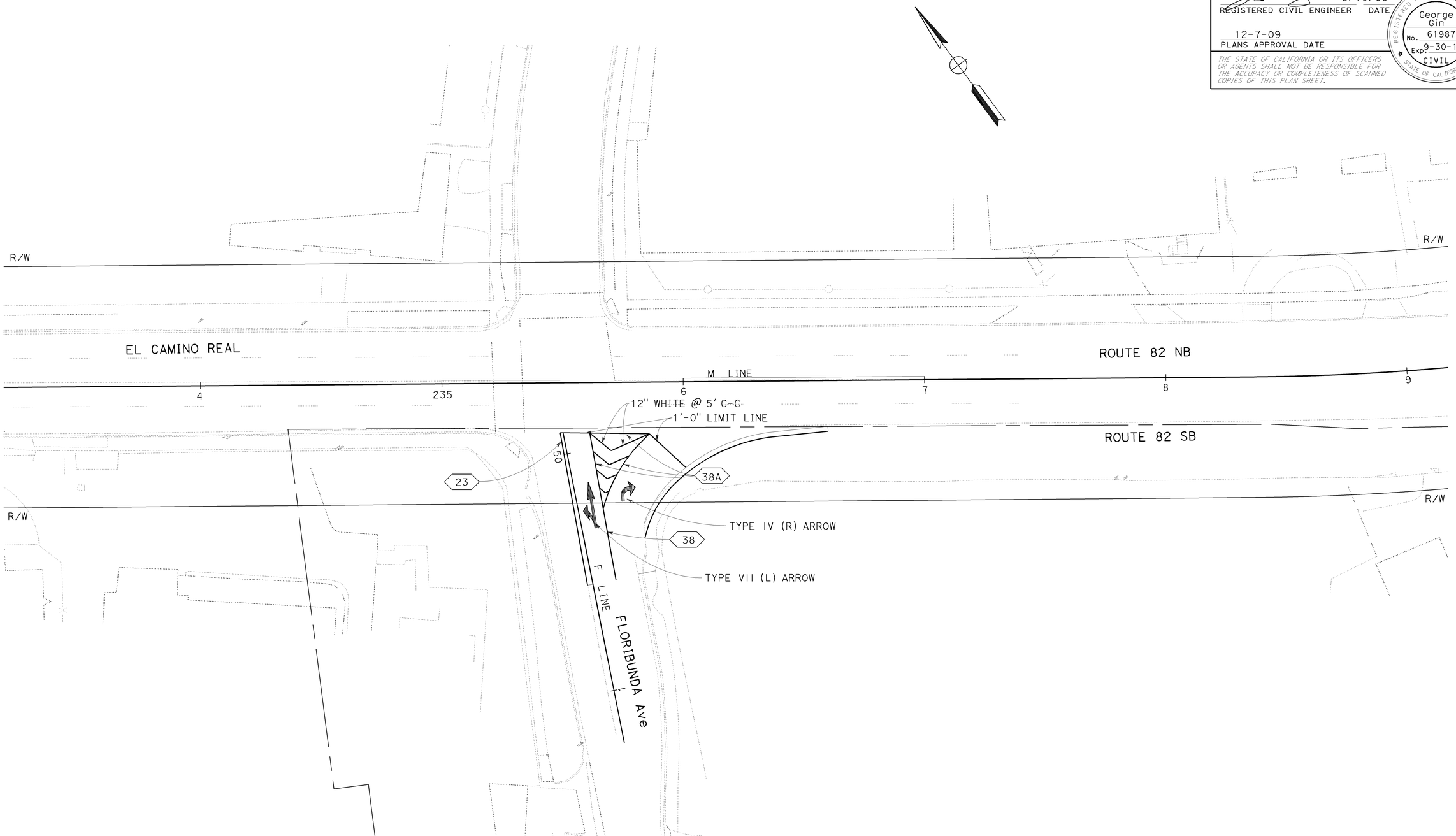
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	41	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
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.



PAVEMENT DELINEATION PLAN
LOCATION No. 12
SCALE: 1" = 20'

FOR NOTES AND LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PD-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH
CALCULATED-DESIGNED BY: GINA CHOI
CHECKED BY: GEORGE GIN
REVISED BY: GC
DATE REVISED: 7/16/09

LAST REVISION: 08-25-09
DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 11:16

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	42	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
Exp 9-30-11
CIVIL
STATE OF CALIFORNIA

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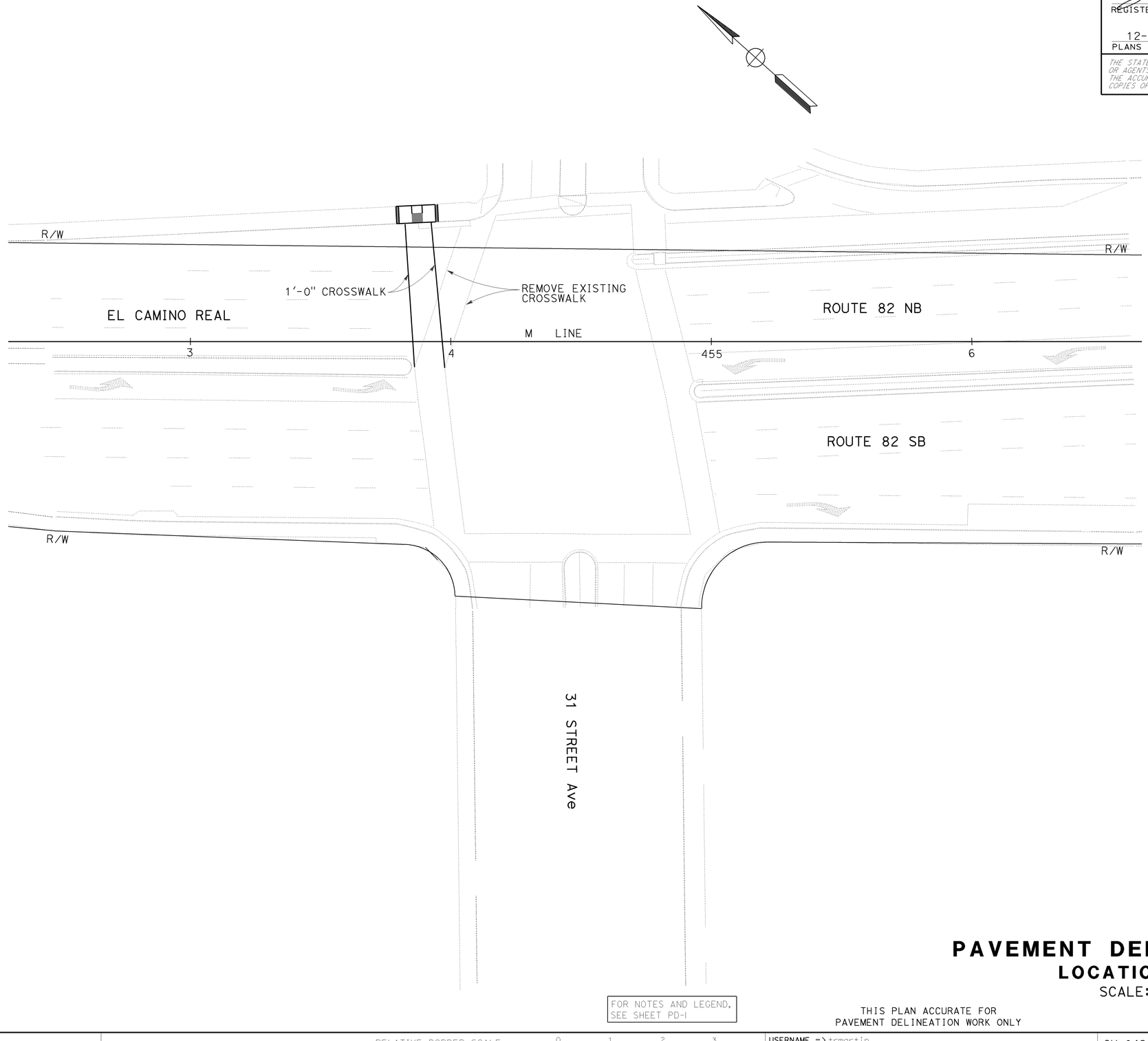

FOR NOTES AND LEGEND, SEE SHEET PD-1

PAVEMENT DELINEATION PLAN
LOCATION No. 35
SCALE: 1" = 20'

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PD-3

LAST REVISION DATE PLOTTED => 10-DEC-2009
08-25-09 TIME PLOTTED => 11:16

CALCULATED-DESIGNED BY	GC	7/16/09
CHECKED BY		

REVISED BY | DATE REVISED

GINA CHOI
GEORGE GIN

FUNCTIONAL SUPERVISOR
ABOLFAZL EMADZADEM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trmartin
DGN FILE => 424992na003.dgn

CU 04242

EA 249921

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	43	227

REGISTERED CIVIL ENGINEER — DATE 8/10/09

PLANS APPROVAL DATE 12-7-09

REGISTERED PROFESSIONAL ENGINEER — George Gin — No. 61987 — Exp 9-30-11 — CIVIL — STATE OF CALIFORNIA

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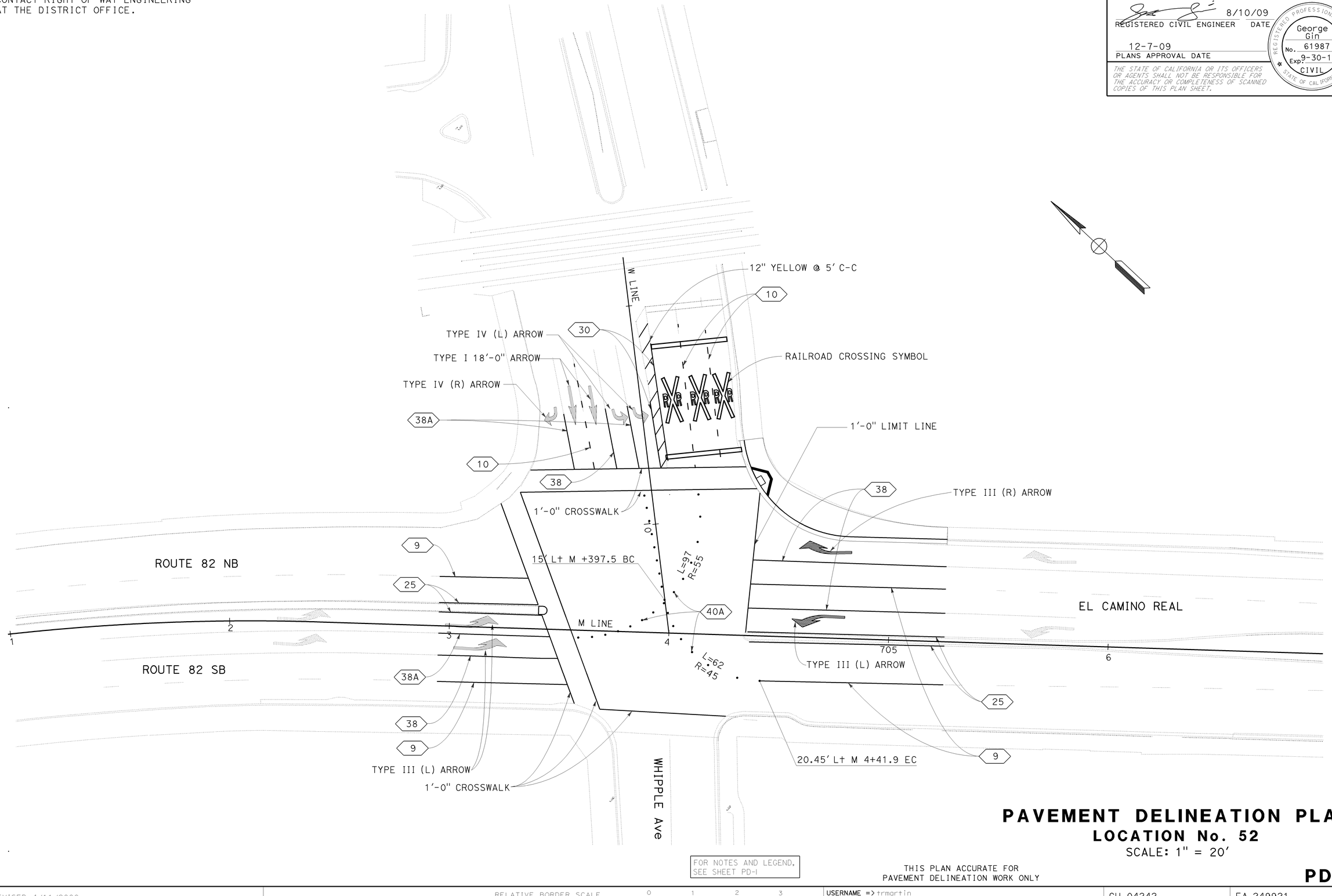


PAVEMENT DELINEATION PLAN

LOCATION No. 52

SCALE: 1" = 20'

FOR NOTES AND LEGEND, SEE SHEET PD-1

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PD-4

LAST REVISION DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 11:17
08-25-09

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH
CALCULATED-DESIGNED BY: GINA CHOI
CHECKED BY: GEORGE GIN
REVISED BY: GC
DATE REVISED: 7/16/09

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trmartin
DGN FILE => 424992na004.dgn

CU 04242

EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	44	227

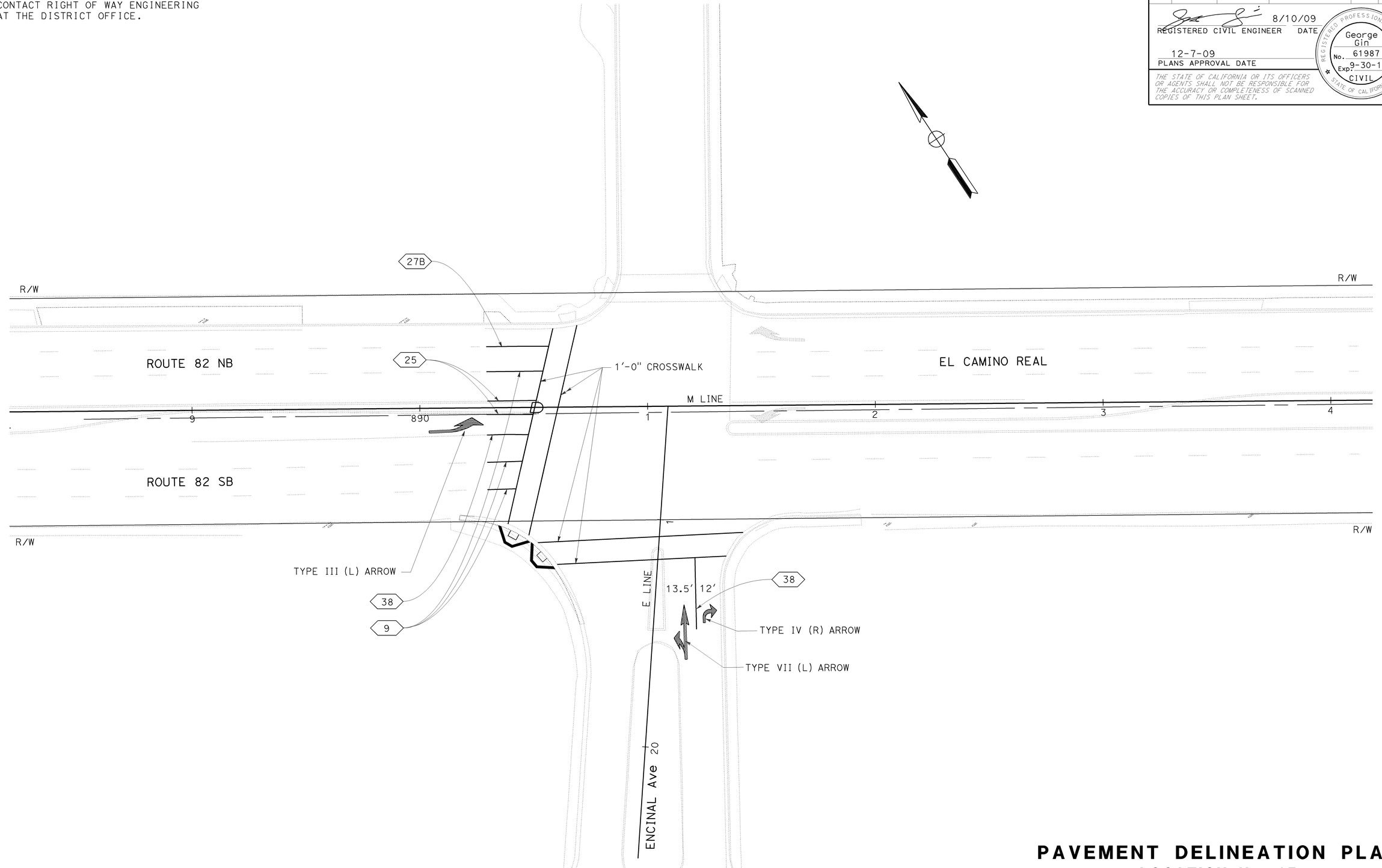
8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
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.

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



FOR NOTES AND LEGEND, SEE SHEET PD-1

PAVEMENT DELINEATION PLAN
LOCATION No. 67
SCALE: 1" = 20'

THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY

PD-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH
CALCULATED-DESIGNED BY: GINA CHOI
CHECKED BY: GEORGE GIN
REVISED BY: GC
DATE REVISED: 7/16/09

LAST REVISION 08-25-09
DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 11:17

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	45	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — George Gin — No. 61987 — 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 STRIPES, PAVEMENT MARKINGS AND PAVEMENT MARKERS

SHEET No.	STATION LIMITS	LOCATION	THERMOPLASTIC TRAFFIC STRIPE				PAVEMENT MARKER					THERMOPLASTIC PAVEMENT MARKING											REMOVE			
			4"			8"	NON-REFLECTIVE		RETROREFLECTIVE			ARROW							CROSSWALK & LIMIT LINE	RAILROAD CROSSING	12"		THERMOPLASTIC PAVEMENT MARKING	THERMOPLASTIC TRAFFIC STRIPE		PAVEMENT MARKER
			WHITE (BROKEN 17'- 0" - 7'- 0")	WHITE SOLID	YELLOW SOLID	WHITE SOLID	TYPE A	TYPE AY	TYPE D	TYPE G	TYPE H	TYPE I	TYPE III (L)	TYPE III (R)	TYPE IV (L)	TYPE IV (R)	TYPE V	TYPE VII (L)			WHITE SOLID	YELLOW SOLID		YELLOW	WHITE	
			9	27B	25	38, 38A	10, 40A	23, 30	23, 30	9, 10, 38	25															
			LF				EA					SQFT											SQFT	LF		EA
PD-1	M 115+54 TO 115+89	Lt, Rt																	261							
	M 115+91 TO 116+92	Rt																	172							
	M 115+65 TO 117+04	Lt																	249							
	M 116+92 TO 117+16	Lt, Rt																	260							
	M 114+90 TO 115+72	Lt, Rt	375		150	155				14	4		84													
	M 117+07 TO 117+50	Lt, Rt	148		76	98				6	2		42	42							10					
	ML 11+30 TO 12+47	Lt, Rt				188	12			5			126	42			66									
	M 115+77 TO 116+99	Lt, Rt					178																			
	M 114+90 TO 117+50	Lt, Rt																					1286	277	1643	203
PD-2	M 235+49 TO 235+99	Rt														15		27	33							
	F 49+91 TO 50+55	Lt, Rt				124		28	6	2											62					
	M 235+34 TO 236+04	Rt																					139		47	25
PD-3	M 453+83 TO 455+00	Lt, Rt																	111				119			
PD-4	M 703+22 TO 703+72	Lt, Rt																	197							
	M 703+33 TO 704+42	Lt, Rt																	264							
	M 705+35 TO 705+42	Lt																	64							
	M 702+95 TO 703+54	Lt, Rt	100		92	106				6	2		84													
	M 703+59 TO 704+37	Lt, Rt						54																		
	W 10+25 TO 10+80	Lt, Rt				83	21	34	10	5		50			30	15				349		57				
	M 704+37 TO 705+26	Lt, Rt	173		179	178				16	4		42	42												
	M 702+95 TO 705+26	Lt, Rt																					1017		966	149
PD-5	M 890+38 TO 890+72	Lt, Rt																	183							
	M 890+50 TO 891+46	Rt																	165							
	E 20+57 TO 20+81	Rt				32				2						15		27								
	M 890+22 TO 890+57	Lt, Rt	53	27	42	18				4	2		42													
	M 890+29 TO 891+48	Lt, Rt																					404	69	175	7
SUBTOTAL			849	27	539	982	211	116	16	60	14	50	420	126	30	45	66	54	1959	349	72	57	2965	346	2831	384
TOTAL			849	566		982	327		16	90		3228											2965	346	2831	384

PAVEMENT DELINEATION QUANTITIES

PDQ-1

GC 7/16/09 — REVISED BY / DATE REVISED
GINA CHOI / GEORGE GIN — CALCULATED-DESIGNED BY / CHECKED BY
ABOLFAZL EMADZADEH — FUNCTIONAL SUPERVISOR
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

LAST REVISION 08-25-09
DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 11:17

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmartin
DGN FILE => 424992nc001.dgn
CU 04242
EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	46	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

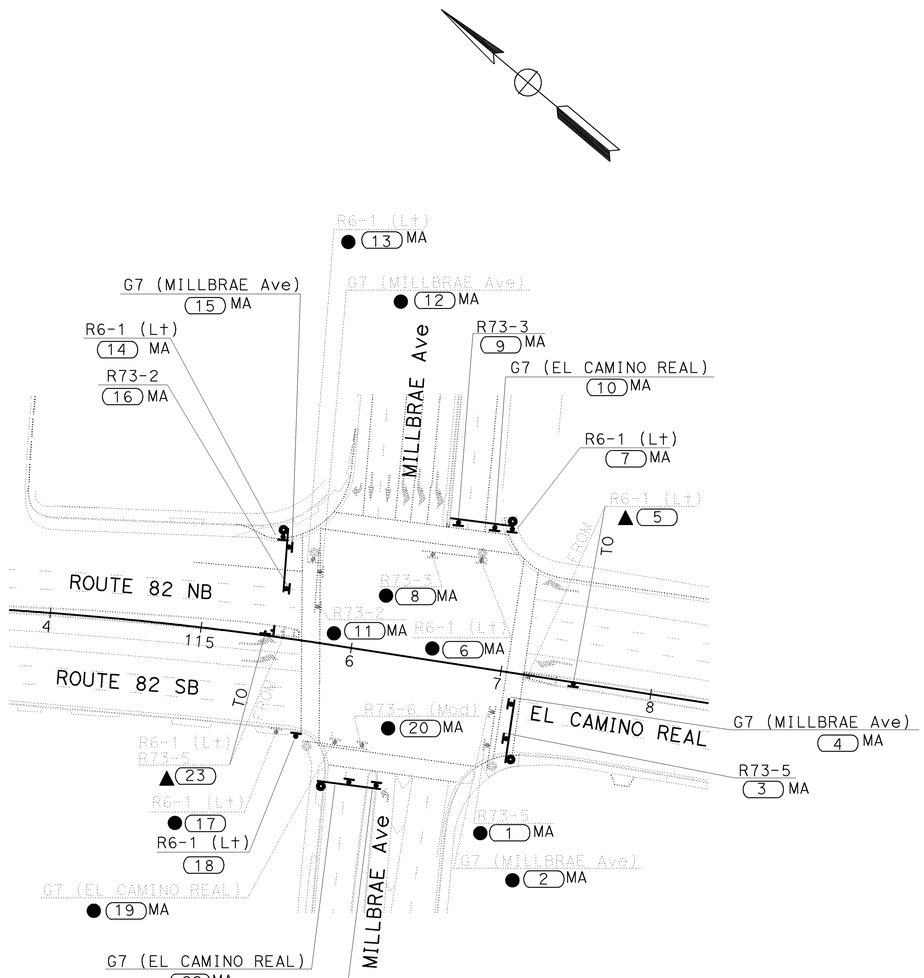
Jerilyn L. Struven, No. 49964, Exp. 12-31-10, CIVIL, REGISTERED PROFESSIONAL ENGINEER, STATE OF CALIFORNIA

12-7-09
PLANS APPROVAL DATE

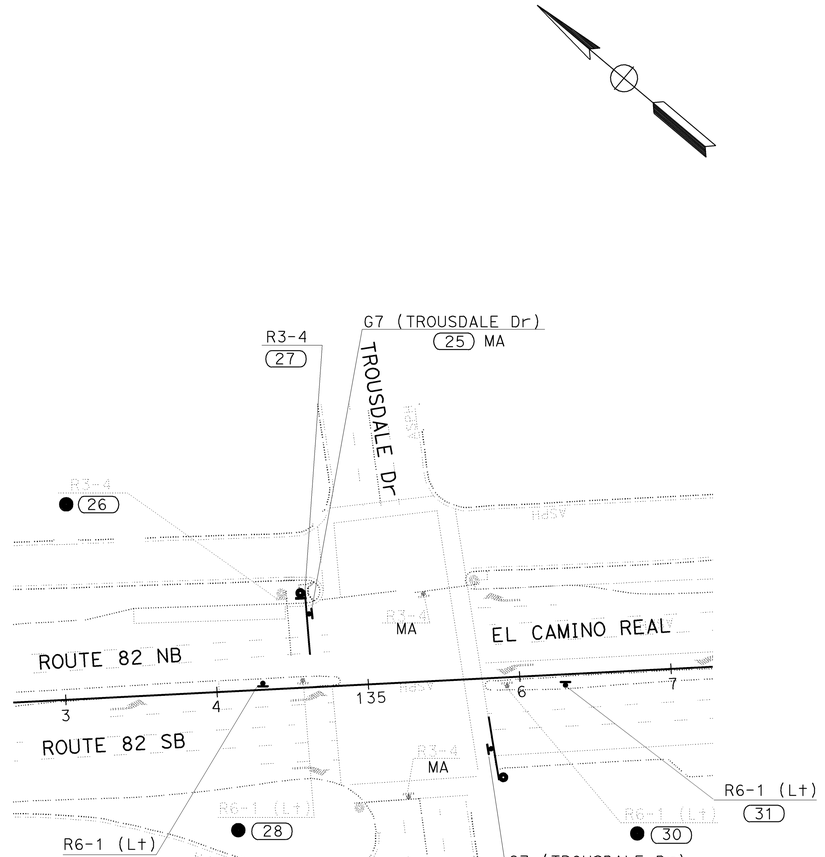
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LEGEND:

- ▲ RELOCATE ROADSIDE SIGN
- ● REMOVE ROADSIDE SIGN
- (No.) ROADSIDE SIGN NUMBER
- MA MAST-ARM MOUNTED SIGN
- WP WOOD POST MOUNTED SIGN



LOCATION No. 1



LOCATION No. 3

SIGN PLAN
NO SCALE

S-1

THIS PLAN ACCURATE FOR SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC
Caltrans

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN
REVISED BY: SL
DATE REVISED: 7/6/09

LAST REVISION DATE PLOTTED => 10-DEC-2009
08-04-09 TIME PLOTTED => 12:56

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trmartin
DGN FILE => 424992oa001.dgn

CU 04242

EA 249921

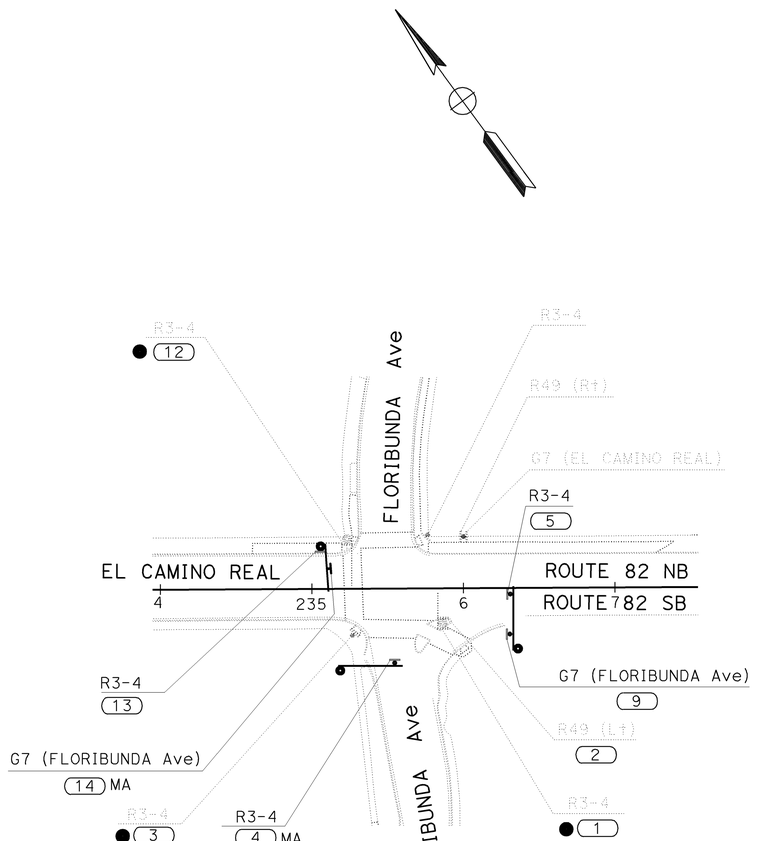
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	47	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

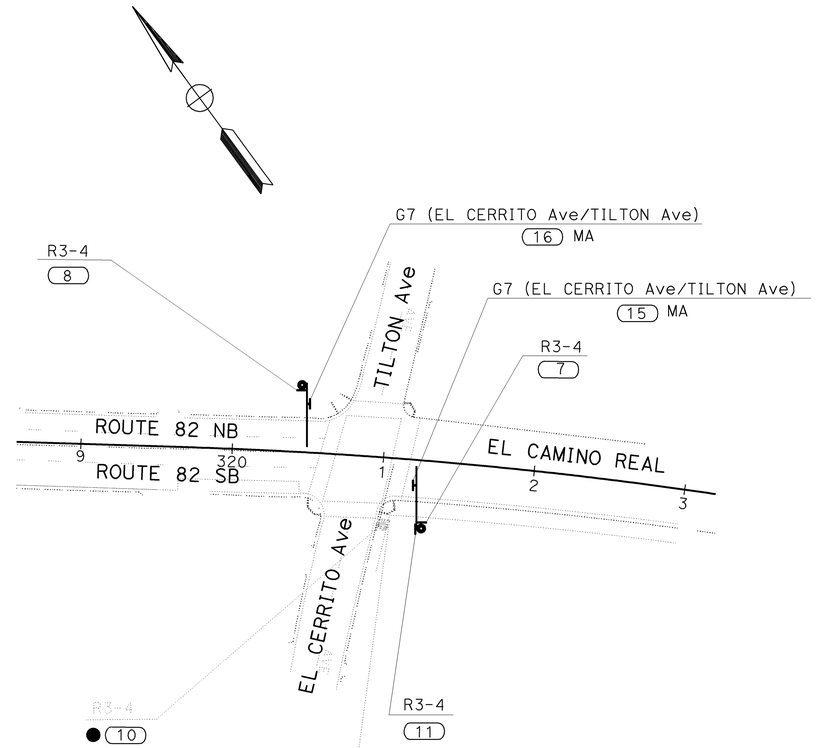
12-7-09
PLANS APPROVAL DATE

Jerilyn L. Struven
No. 49964
Exp. 12-31-10
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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



LOCATION No. 12



LOCATION No. 20

FOR LEGEND, SEE SHEET S-1

THIS PLAN ACCURATE FOR SIGN WORK ONLY

SIGN PLAN
NO SCALE

S-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC
Caltrans

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN
REVISED BY: SL
DATE REVISED: 7/6/09

LAST REVISION DATE PLOTTED => 10-DEC-2009
07-28-09 TIME PLOTTED => 12:59

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trmartin
DGN FILE => 424992oa002.dgn

CU 04242

EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	48	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

Jerilyn L. Struven, No. 49964, Exp. 12-31-10, CIVIL, REGISTERED PROFESSIONAL ENGINEER, STATE OF CALIFORNIA

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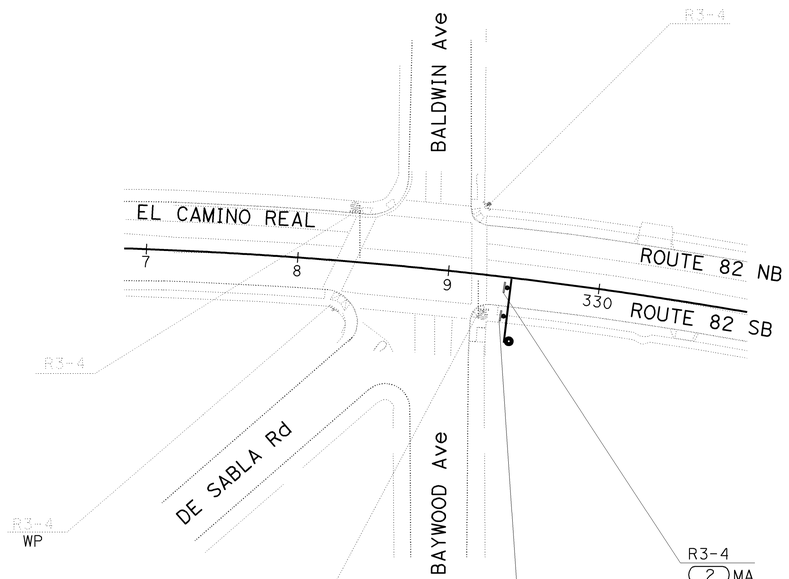
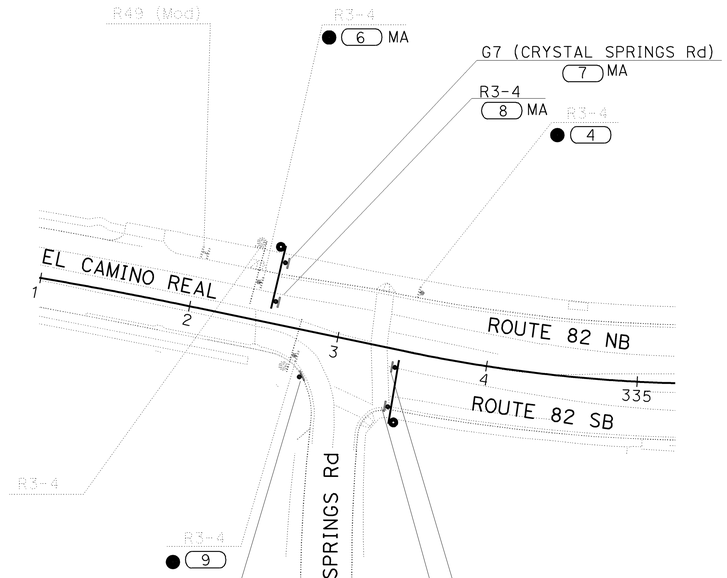


LOCATION No. 21



LOCATION No. 22

FOR LEGEND, SEE SHEET S-1

THIS PLAN ACCURATE FOR SIGN WORK ONLY

SIGN PLAN

NO SCALE

S-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG

CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN

REVISED BY: SL
DATE REVISED: 7/6/09

LAST REVISION — DATE PLOTTED => 10-DEC-2009, TIME PLOTTED => 11:17
08-26-09

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trmartin
DGN FILE => 424992oa003.dgn

CU 04242

EA 249921

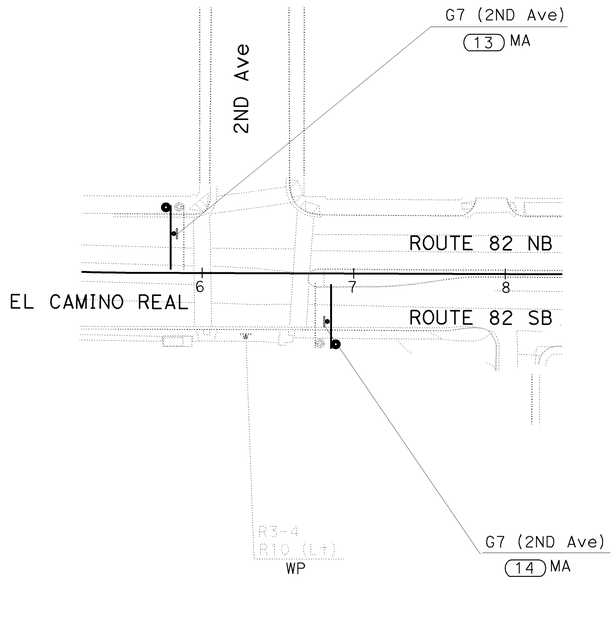
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	49	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

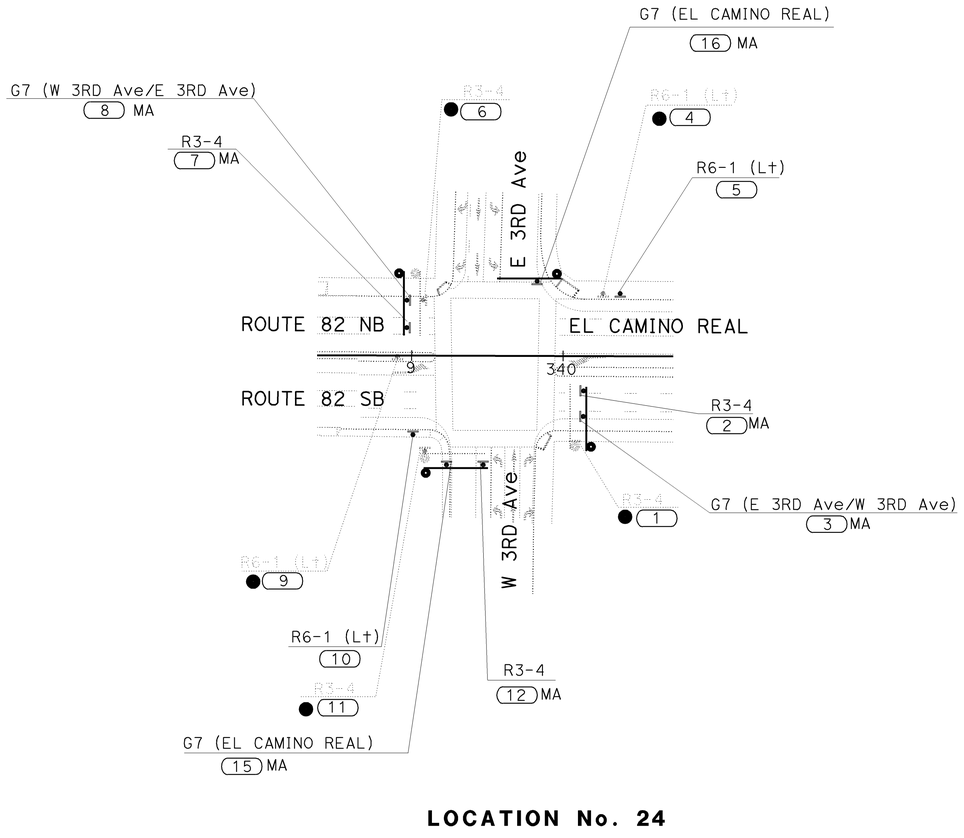
12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Jerilyn L. Struven — No. 49964 — Exp. 12-31-10 — 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.



LOCATION No. 23



LOCATION No. 24

FOR LEGEND, SEE SHEET S-1

THIS PLAN ACCURATE FOR SIGN WORK ONLY

SIGN PLAN

NO SCALE

S-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG

CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN

REVISED BY: SL
DATE REVISED: 7/6/09

LAST REVISION — DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 11:17
07-28-09

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trmartin
DGN FILE => 424992oa004.dgn

CU 04242

EA 249921

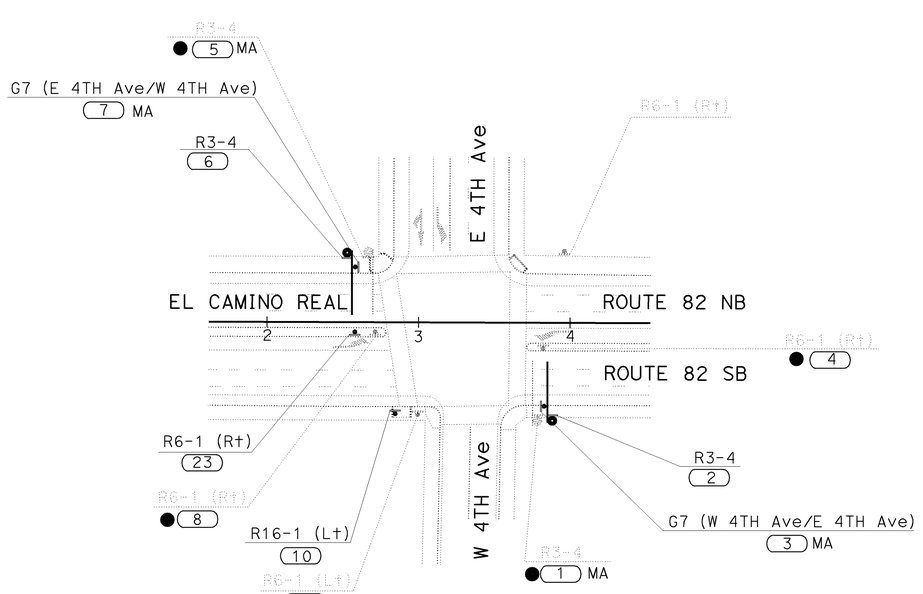
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	50	227

Jerilyn L. Struven 8/10/09
REGISTERED CIVIL ENGINEER DATE

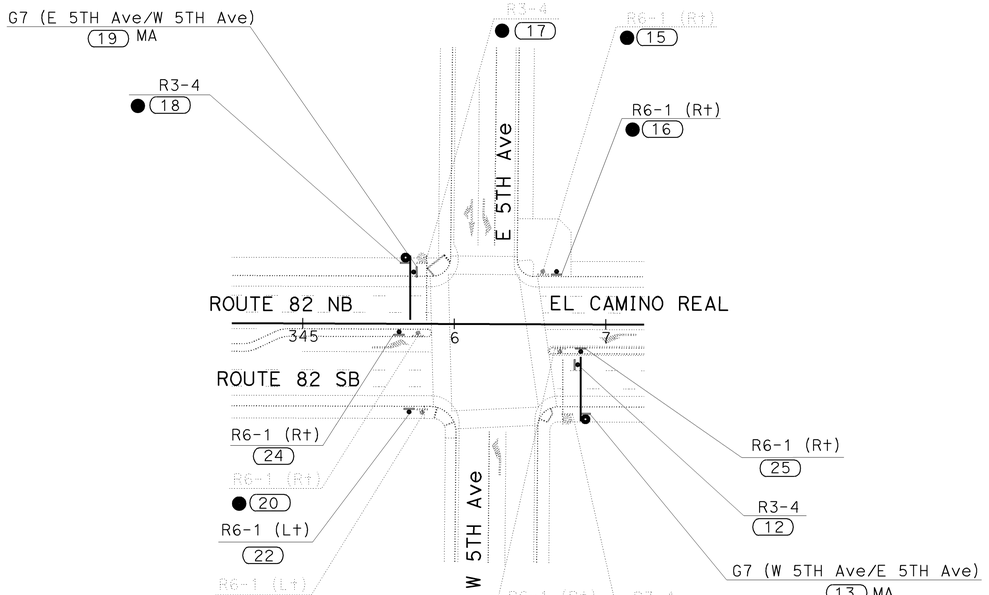
12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Jerilyn L. Struven — No. 49964 — Exp. 12-31-10 — 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.



LOCATION No. 25



LOCATION No. 26

FOR LEGEND, SEE SHEET S-1

THIS PLAN ACCURATE FOR SIGN WORK ONLY

SIGN PLAN

NO SCALE

S-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC
Caltrans

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG

CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN

REVISED BY: SL
DATE REVISED: 7/6/09

LAST REVISION DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 11:17
07-28-09

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trmartin
DGN FILE => 424992oa005.dgn

CU 04242

EA 249921

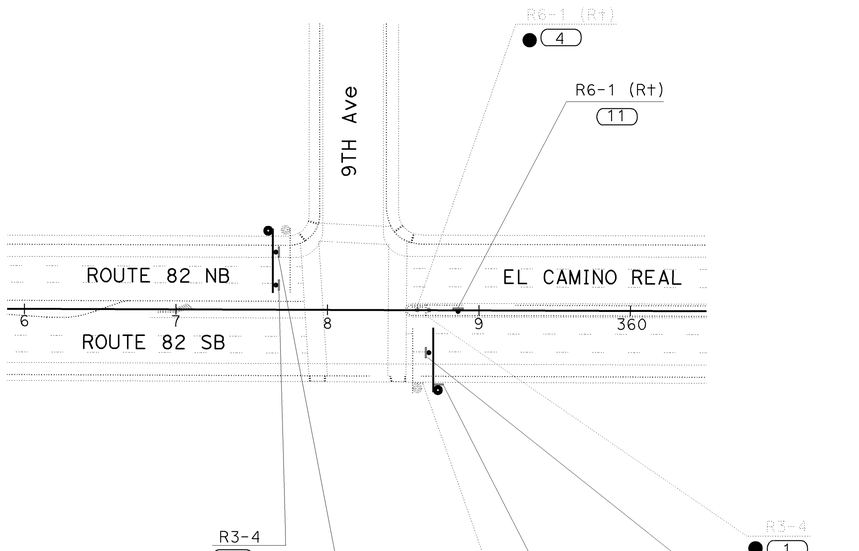
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	51	227

REGISTERED CIVIL ENGINEER — DATE 8/10/09

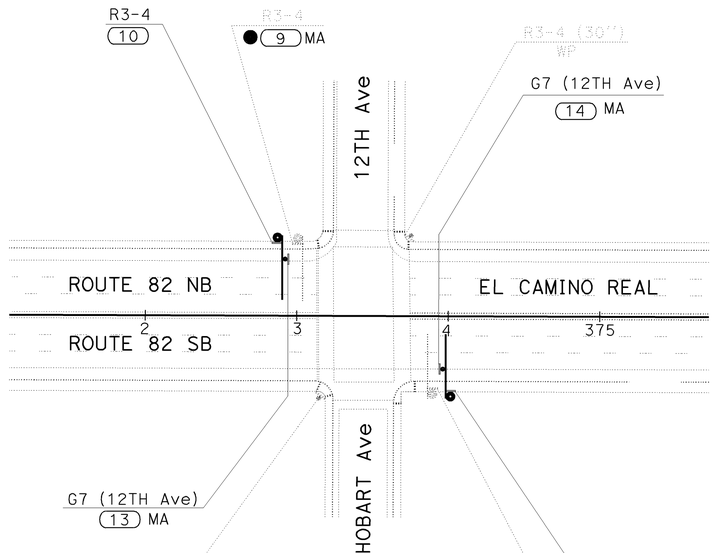
PLANS APPROVAL DATE 12-7-09

Jerilyn L. Struven, No. 49964, Exp. 12-31-10, CIVIL, REGISTERED PROFESSIONAL ENGINEER, STATE OF CALIFORNIA

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



LOCATION No. 27



LOCATION No. 28

FOR LEGEND, SEE SHEET S-1

THIS PLAN ACCURATE FOR SIGN WORK ONLY

SIGN PLAN

NO SCALE

S-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG

CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN

REVISED BY: SL
DATE REVISED: 7/6/09

LAST REVISION — DATE PLOTTED => 10-DEC-2009, TIME PLOTTED => 09:51, 07-28-09

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trcarol
DGN FILE => 424992oa006.dgn

CU 04242

EA 249921

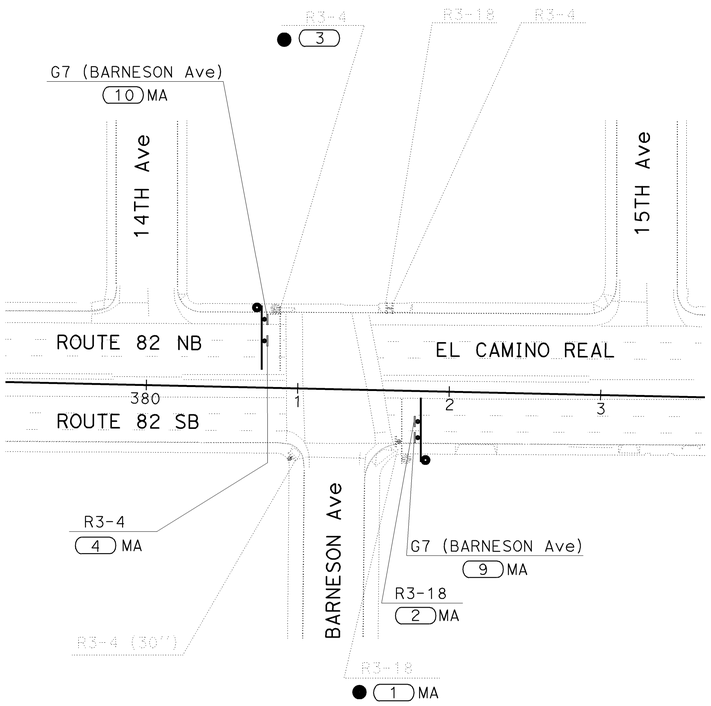
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	52	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

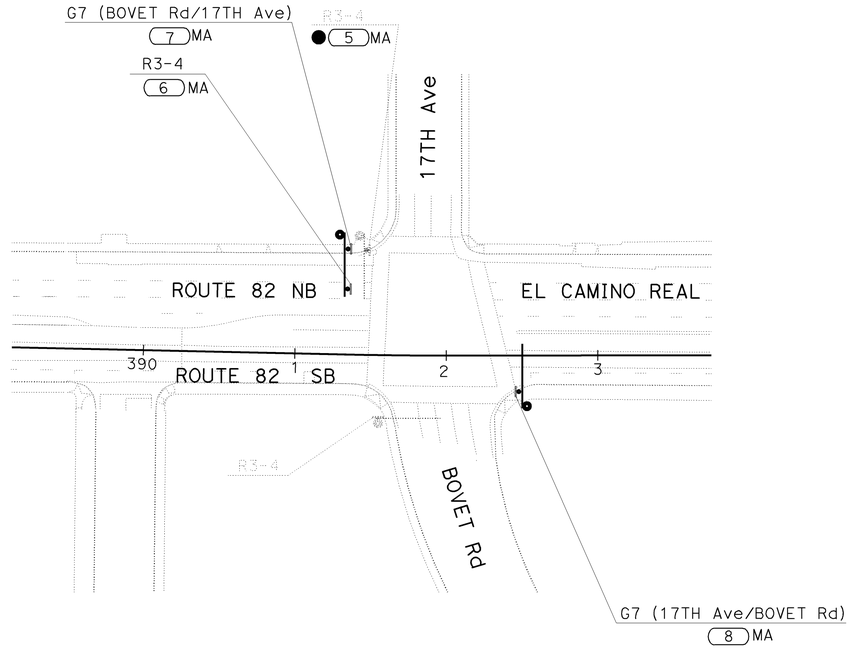
12-7-09
PLANS APPROVAL DATE

Jerilyn L. Struven
No. 49964
Exp. 12-31-10
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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



LOCATION No. 29



LOCATION No. 30

SIGN PLAN
NO SCALE

FOR LEGEND, SEE SHEET S-1

THIS PLAN ACCURATE FOR SIGN WORK ONLY

S-7

CALCULATED-DESIGNED BY	STEPHEN LAU	
CHECKED BY	JERILYN STRUVEN	7/6/09
FUNCTIONAL SUPERVISOR	ROLAND AU-YEUNG	REVISED BY / DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC

LAST REVISION | DATE PLOTTED => 10-DEC-2009 | TIME PLOTTED => 09:51
05-26-09

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trcarol
DGN FILE => 424992oa007.dgn

CU 04242

EA 249921

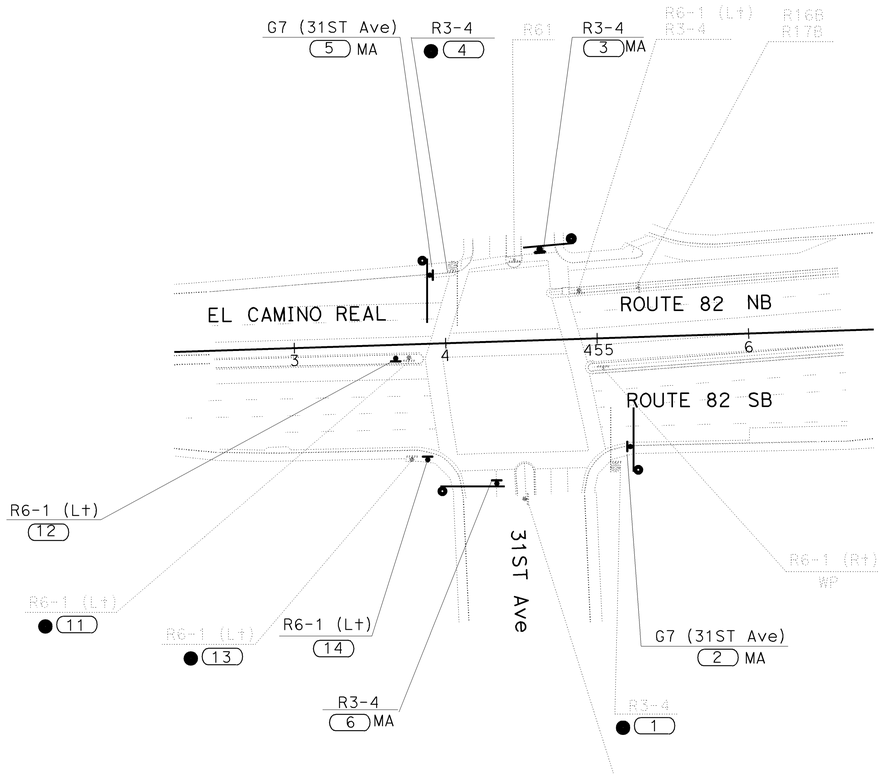
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	53	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

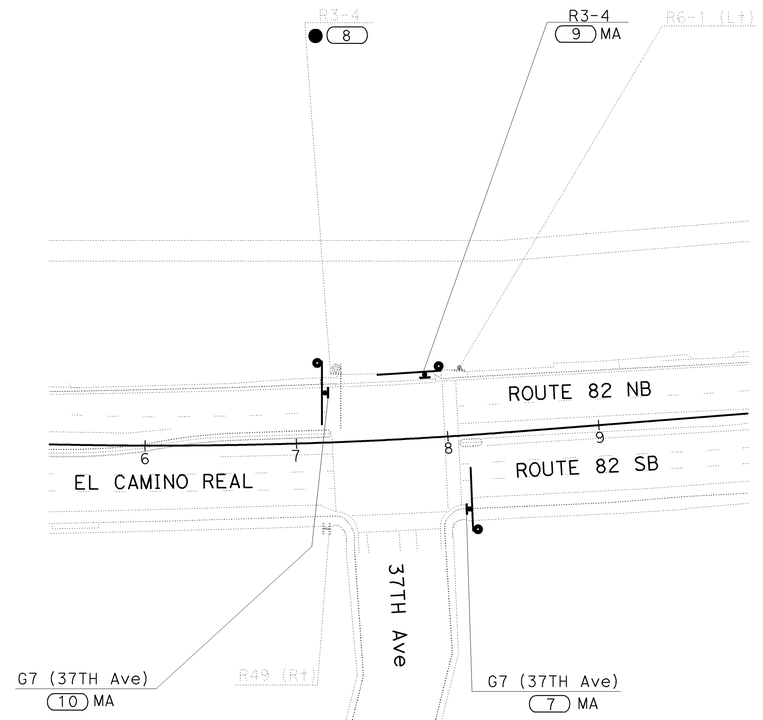
12-7-09
PLANS APPROVAL DATE

Jerilyn L. Struven
No. 49964
Exp. 12-31-10
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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



LOCATION No. 35



LOCATION No. 36

FOR LEGEND, SEE SHEET S-1

SIGN PLAN
NO SCALE

THIS PLAN ACCURATE FOR SIGN WORK ONLY

S-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC
Caltrans

CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN
FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
REVISED BY: SL
DATE REVISED: 7/6/09

LAST REVISION — DATE PLOTTED => 14-DEC-2009
07-28-09 — TIME PLOTTED => 15:06

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trpierce
DGN FILE => 424992oa008.dgn

CU 04242

EA 249921

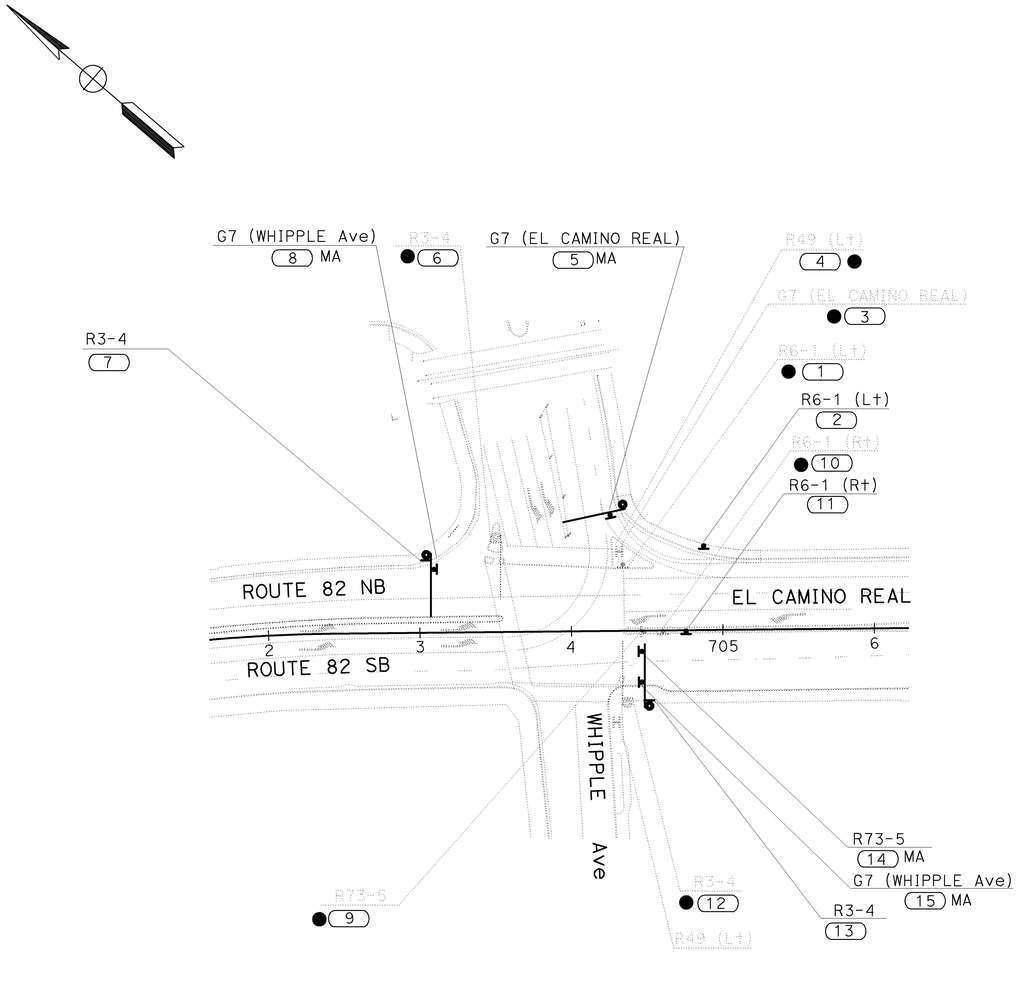
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	54	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

Jerilyn L. Struven
No. 49964
Exp. 12-31-10
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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



LOCATION No. 52

FOR LEGEND, SEE SHEET S-1

THIS PLAN ACCURATE FOR SIGN WORK ONLY

SIGN PLAN
NO SCALE

S-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG

CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN

REVISED BY: SL
DATE REVISED: 7/6/09

LAST REVISION
DATE PLOTTED => 11-DEC-2009
TIME PLOTTED => 08:49
07-28-09

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trmikesl
DGN FILE => 424992oa009.dgn

CU 04242

EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	55	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Jerilyn L. Struven — No. 49964 — Exp. 12-31-10 — CIVIL — STATE OF CALIFORNIA

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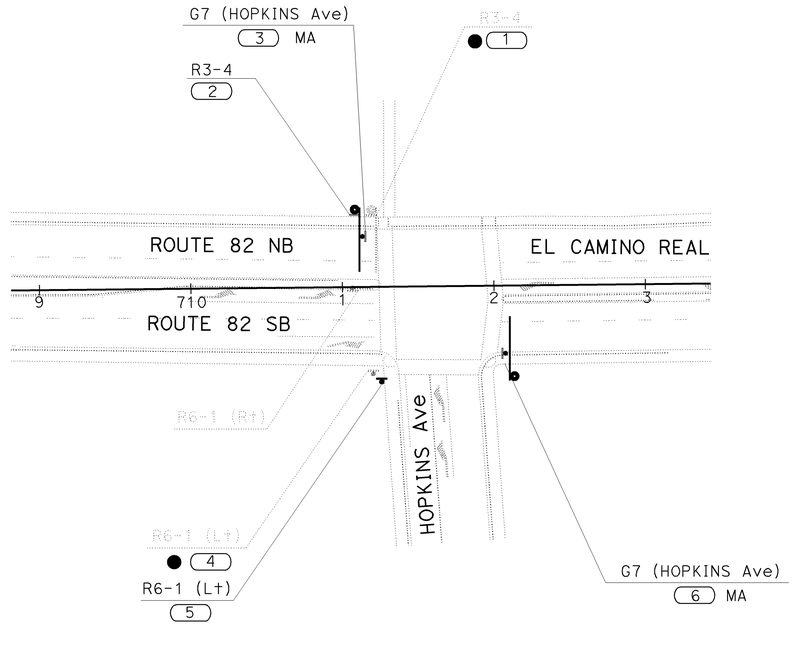
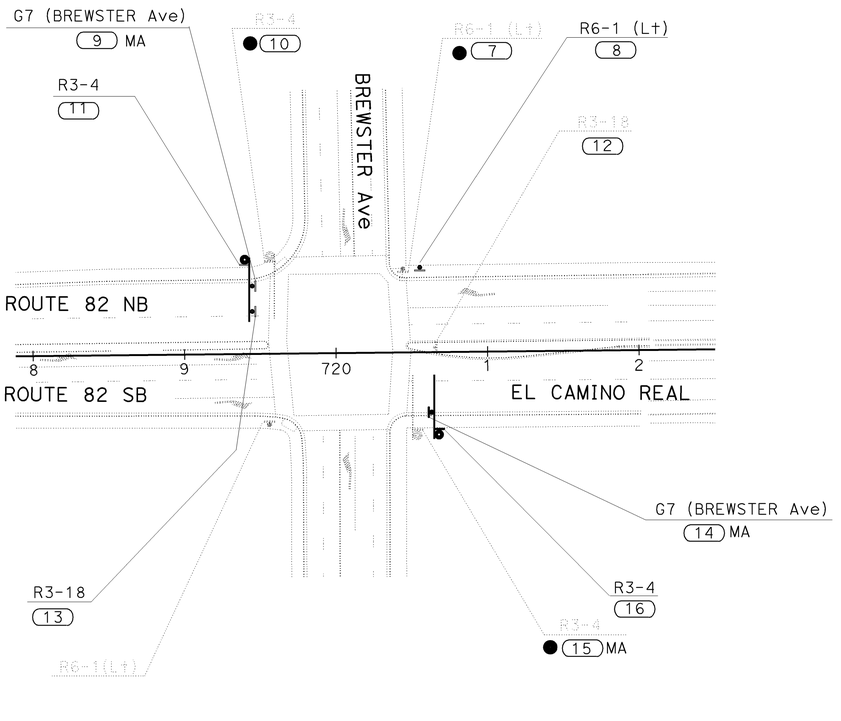


LOCATION No. 53



LOCATION No. 54

FOR LEGEND, SEE SHEET S-1

THIS PLAN ACCURATE FOR SIGN WORK ONLY

SIGN PLAN
NO SCALE

S-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC
Caltrans
FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN
REVISED BY: SL
DATE REVISED: 7/6/09

LAST REVISION — DATE PLOTTED => 10-DEC-2009 — TIME PLOTTED => 09:51 — 08-09-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trcarol
DGN FILE => 424992oa010.dgn
CU 04242
EA 249921

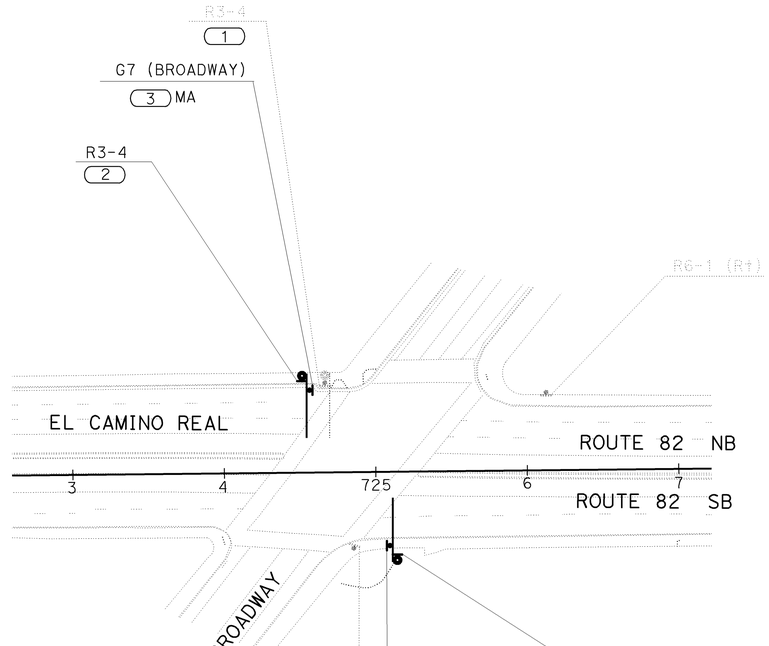
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	56	227

Jerilyn L. Struven 8/10/09
REGISTERED CIVIL ENGINEER DATE

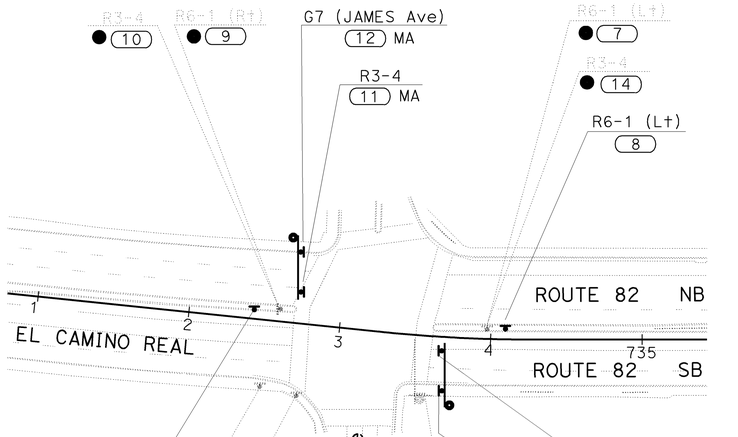
12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Jerilyn L. Struven — No. 49964 — Exp. 12-31-10 — 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.



LOCATION No. 55



LOCATION No. 56

FOR LEGEND, SEE SHEET S-1

SIGN PLAN
NO SCALE

THIS PLAN ACCURATE FOR SIGN WORK ONLY

S-11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC
FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN
REVISED BY: SL
DATE REVISED: 7/6/09

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

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trcarol
DGN FILE => 424992oa011.dgn
CU 04242
EA 249921

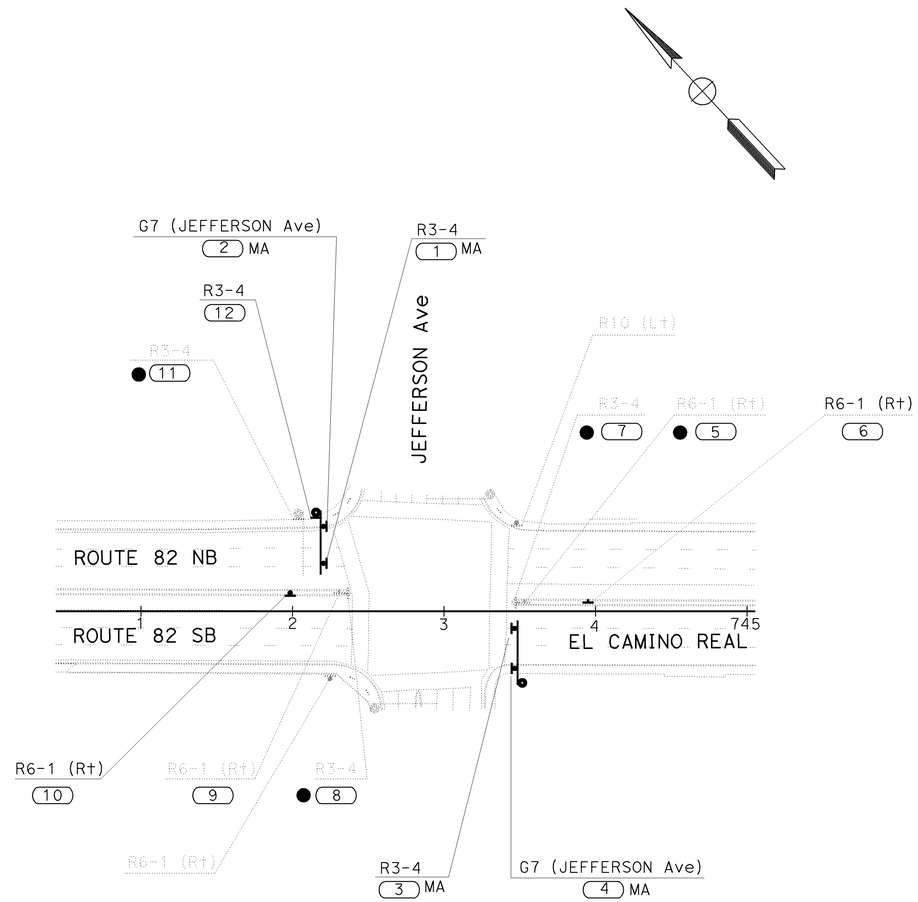
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	57	227

REGISTERED CIVIL ENGINEER — DATE 8/10/09

PLANS APPROVAL DATE 12-7-09

REGISTERED PROFESSIONAL ENGINEER — Jerilyn L. Struven — No. 49964 — Exp. 12-31-10 — 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.



LOCATION No. 57

FOR LEGEND, SEE SHEET S-1

THIS PLAN ACCURATE FOR SIGN WORK ONLY

SIGN PLAN

NO SCALE

S-12

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

TRAFFIC

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG

CALCULATED-DESIGNED BY: STEPHEN LAU

CHECKED BY: JERILYN STRUVEN

REVISED BY: SL

DATE REVISED: 7/6/09

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

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trcarol

DGN FILE => 424992oa012.dgn

CU 04242

EA 249921

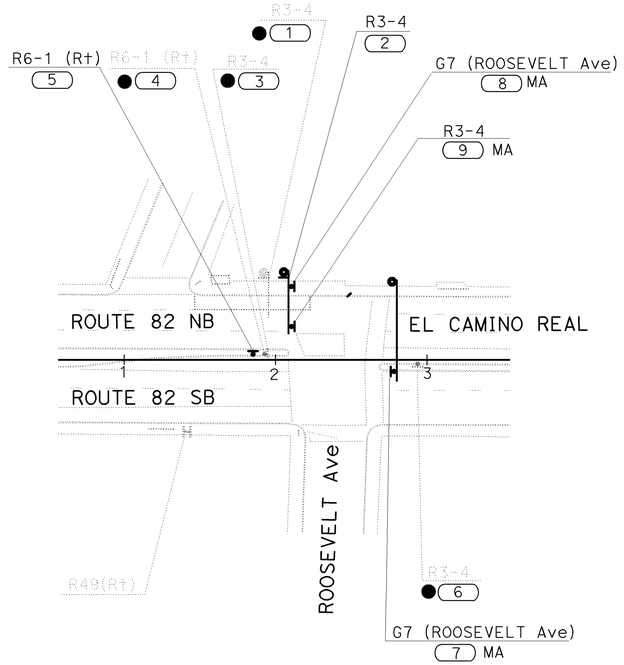
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	58	227

REGISTERED CIVIL ENGINEER 8/10/09 DATE

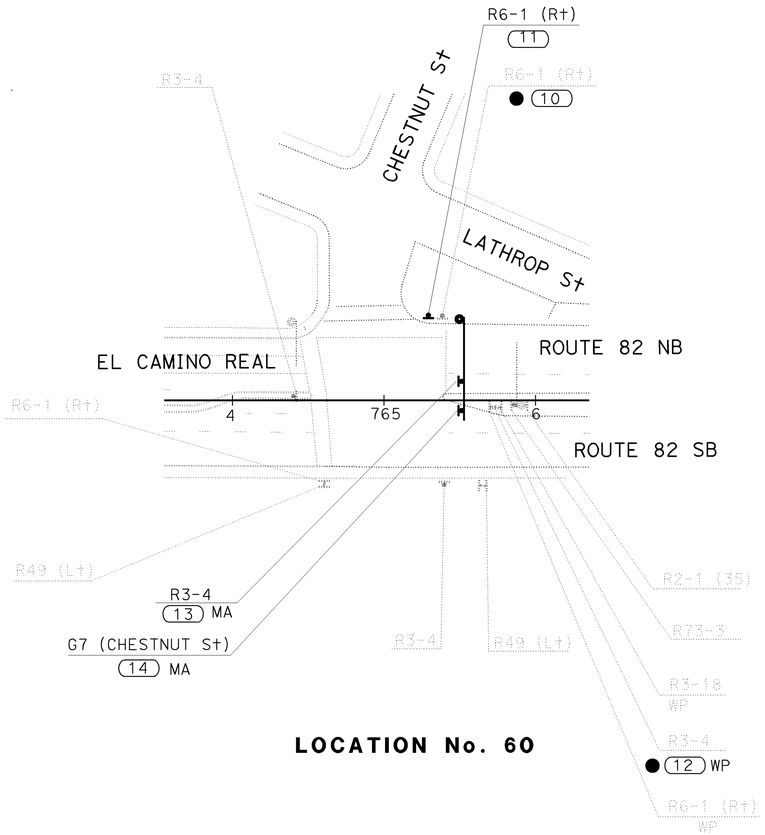
12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jerilyn L. Struven No. 49964 Exp. 12-31-10 CIVIL STATE OF CALIFORNIA

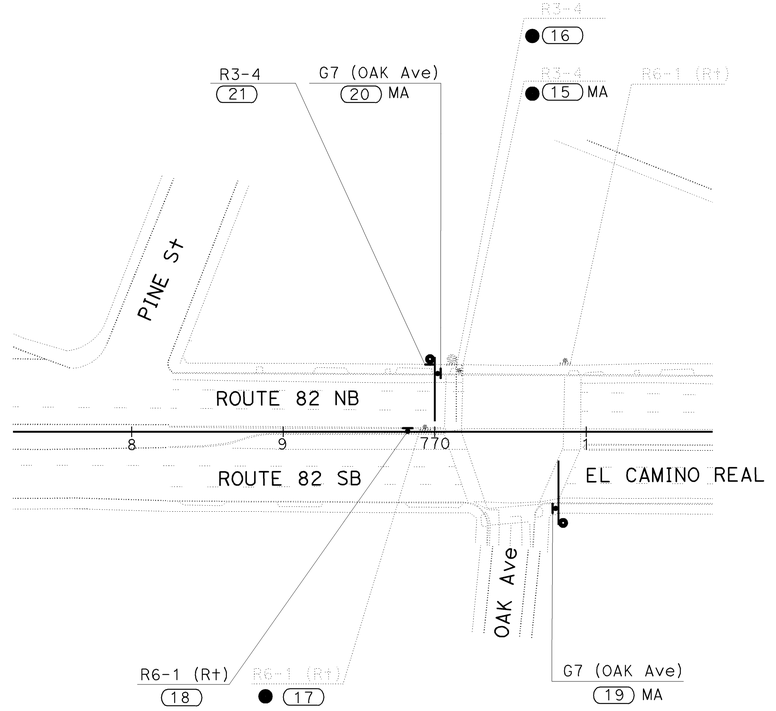
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



LOCATION No. 59



LOCATION No. 60



LOCATION No. 61

SIGN PLAN

NO SCALE

FOR LEGEND, SEE SHEET S-1

THIS PLAN ACCURATE FOR SIGN WORK ONLY

S-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN
REVISED BY: SL
DATE REVISED: 7/6/09

LAST REVISION 08-09-09
DATE PLOTTED => 11-DEC-2009
TIME PLOTTED => 09:02

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmikesl
DGN FILE => 424992oa013.dgn
CU 04242
EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	59	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

Jerilyn L. Struven
No. 49964
Exp. 12-31-10
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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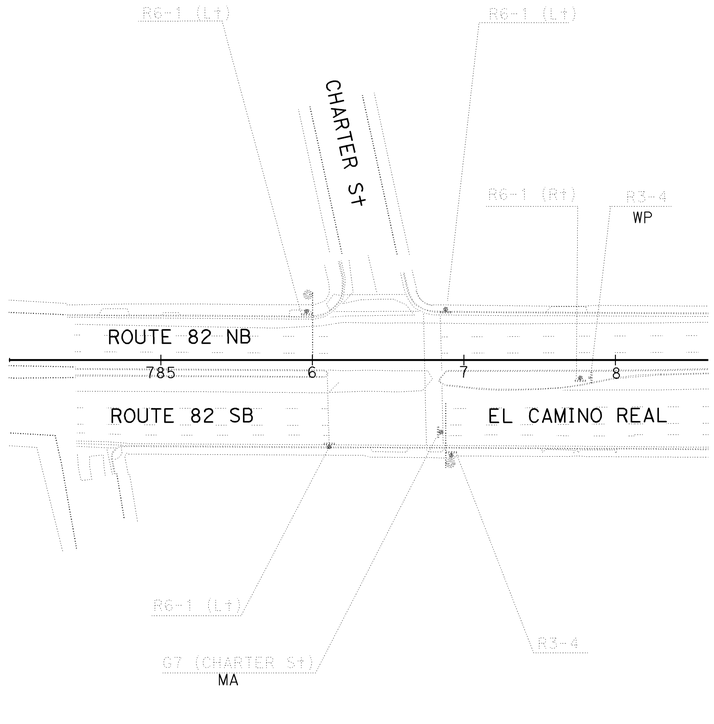
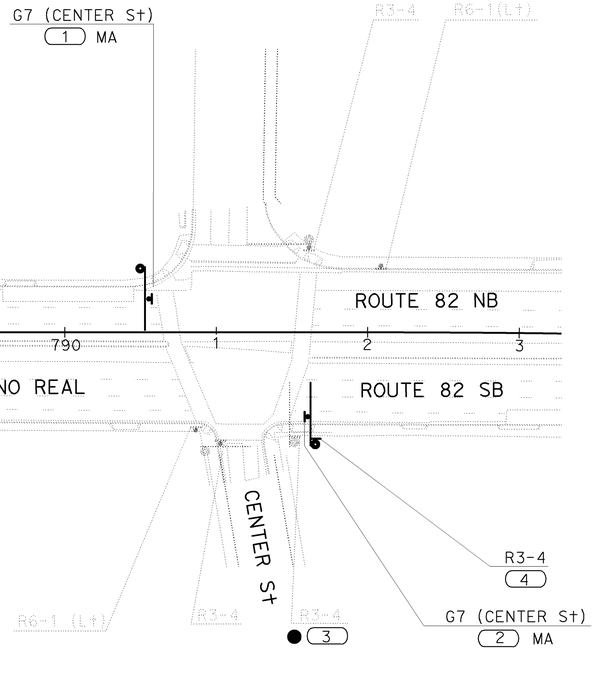


LOCATION No. 62



LOCATION No. 63

FOR LEGEND, SEE SHEET S-1

THIS PLAN ACCURATE FOR SIGN WORK ONLY

SIGN PLAN
NO SCALE

S-14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC
FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY: SL — STEPHEN LAU
DATE REVISED: 7/6/09 — JERILYN STRUVEN

LAST REVISION 08-28-09
DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 09:52

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trcarol
DGN FILE => 424992oa014.dgn
CU 04242
EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	60	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

Jerilyn L. Struven
No. 49964
Exp. 12-31-10
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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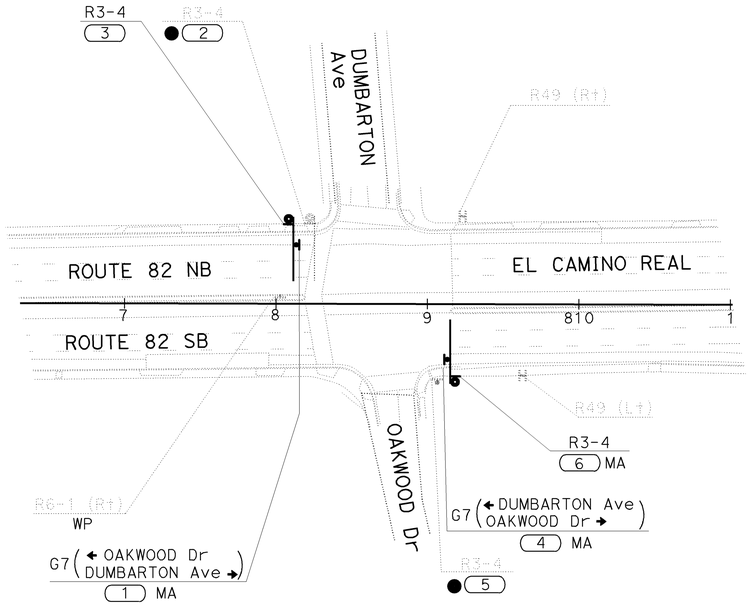

LOCATION No. 64

FOR LEGEND, SEE SHEET S-1

THIS PLAN ACCURATE FOR SIGN WORK ONLY

SIGN PLAN
NO SCALE

S-15

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC
Caltrans

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN
REVISED BY: SL
DATE REVISED: 7/6/09

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

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trcarol
DGN FILE => 424992oa015.dgn

CU 04242

EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	61	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

Jerilyn L. Struven — No. 49964 — Exp. 12-31-10 — CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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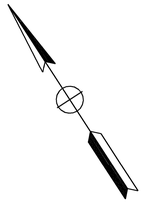

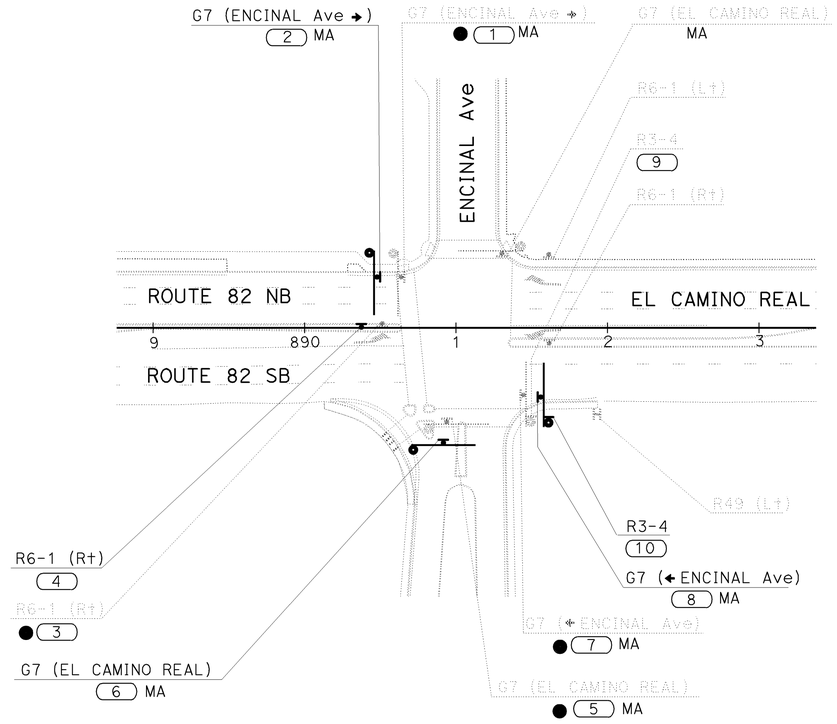

LOCATION No. 67

FOR LEGEND, SEE SHEET S-1

THIS PLAN ACCURATE FOR SIGN WORK ONLY

SIGN PLAN
NO SCALE

S-16

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC
FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN
REVISED BY: SL
DATE REVISED: 7/6/09

LAST REVISION — DATE PLOTTED => 10-DEC-2009 — TIME PLOTTED => 11:34 — 08-09-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => s135318
DGN FILE => 424992oa016.dgn
CU 04242
EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	62	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

Jerilyn L. Struven, No. 49964, Exp. 12-31-10, CIVIL, REGISTERED PROFESSIONAL ENGINEER, STATE OF CALIFORNIA

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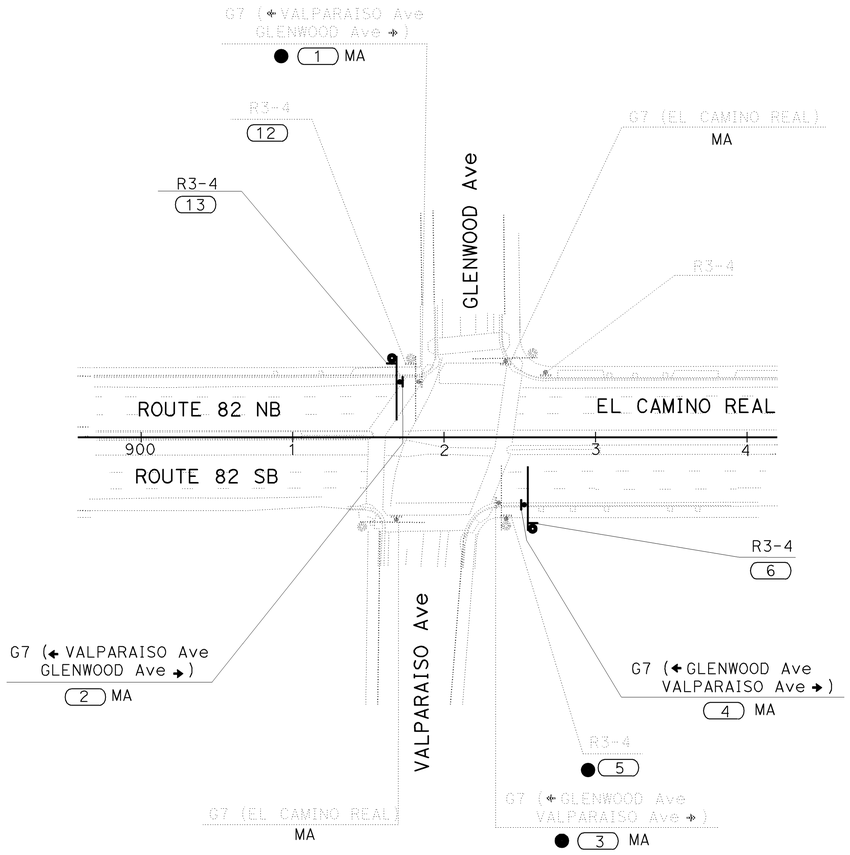
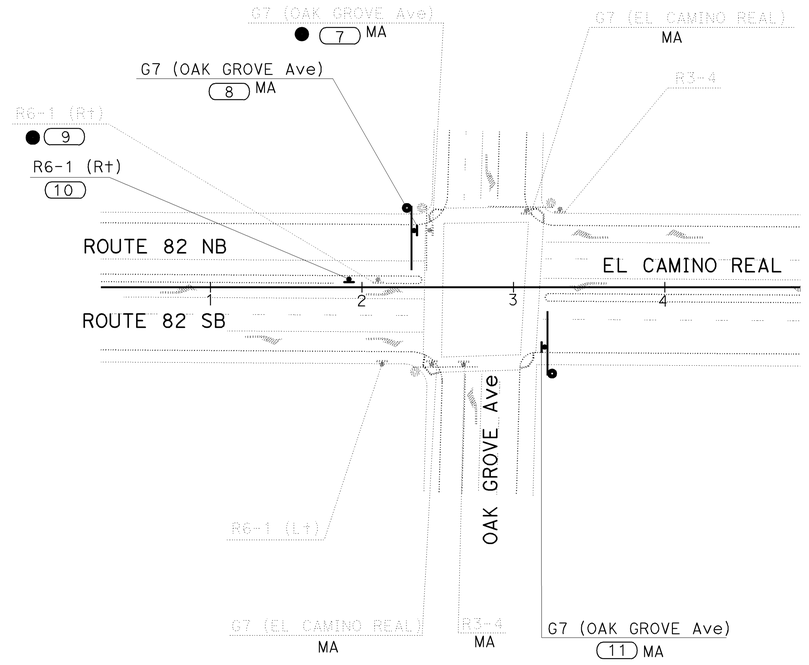


LOCATION No. 68



LOCATION No. 69

FOR LEGEND, SEE SHEET S-1

THIS PLAN ACCURATE FOR SIGN WORK ONLY

SIGN PLAN
NO SCALE

S-17

CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED
STEPHEN LAU	JERILYN STRUVEN	SL	7/6/09

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC
Caltrans

LAST REVISION | DATE PLOTTED => 10-DEC-2009 | TIME PLOTTED => 10:34
08-09-09

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s135318
DGN FILE => 424992oa017.dgn

CU 04242

EA 249921

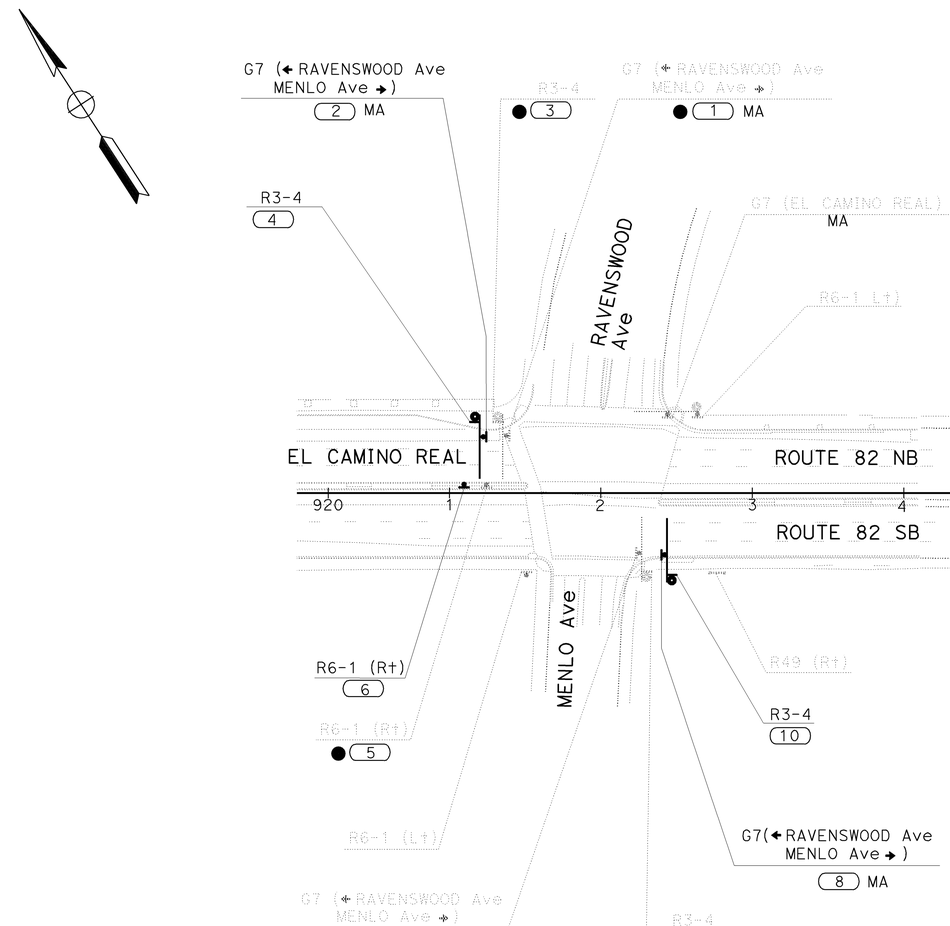
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	63	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

Jerilyn L. Struven
No. 49964
Exp. 12-31-10
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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



LOCATION No. 71

FOR LEGEND, SEE SHEET S-1

THIS PLAN ACCURATE FOR SIGN WORK ONLY

SIGN PLAN
NO SCALE

S-18

LAST REVISION DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 10:34

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC

CALCULATED-DESIGNED BY	REVISED BY	FUNCTIONAL SUPERVISOR
STEPHEN LAU	SL	ROLAND AU-YEUNG
CHECKED BY	DATE REVISED	
JERILYN STRUVEN	7/6/09	

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s135318
DGN FILE => 424992oa018.dgn

CU 04242

EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	64	227

Jerilyn L. Struven 8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Jerilyn L. Struven — No. 49964 — Exp. 12-31-10 — CIVIL — STATE OF CALIFORNIA

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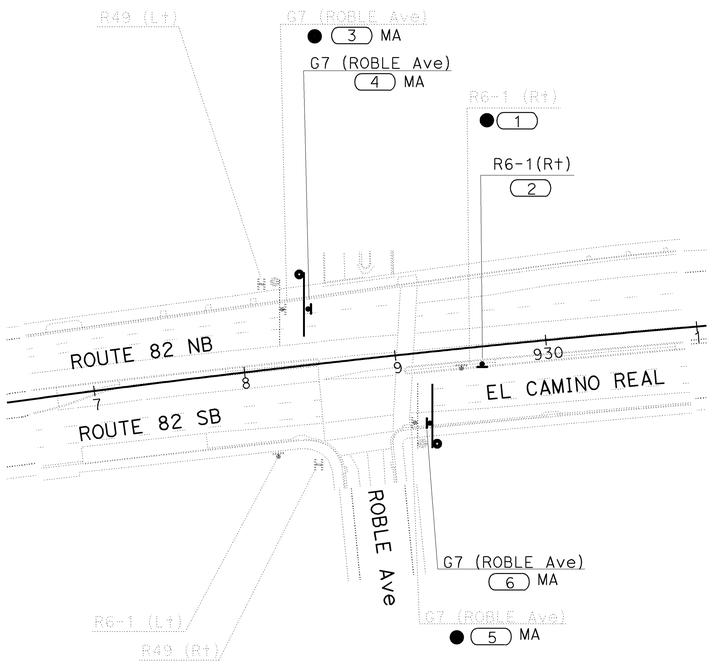
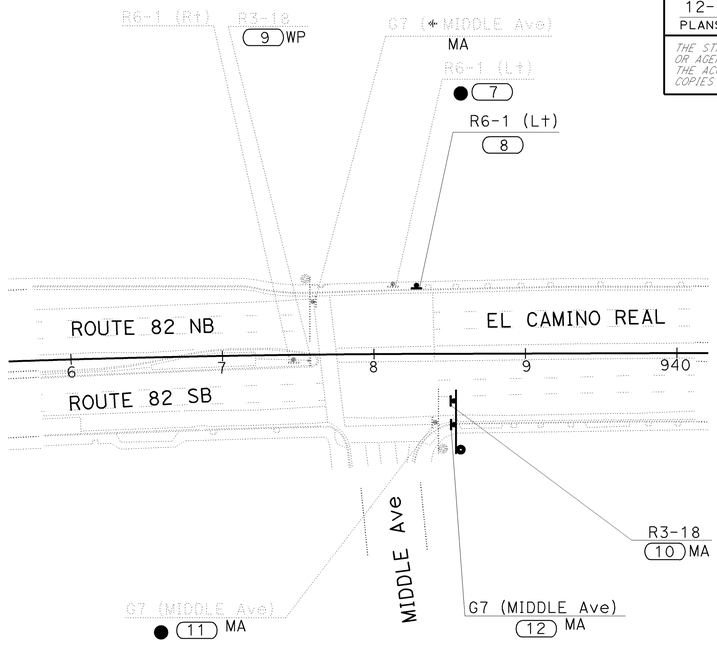


LOCATION No. 72



LOCATION No. 73

FOR LEGEND, SEE SHEET S-1

THIS PLAN ACCURATE FOR SIGN WORK ONLY

SIGN PLAN
NO SCALE

S-19

CALCULATED-DESIGNED BY	REVISED BY	DATE REVISED
CHECKED BY	SL	7/6/09
STEPHEN LAU		
JERILYN STRUVEN		

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC

LAST REVISION DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 11:34
08-09-09

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s135318
DGN FILE => 424992oa019.dgn

CU 04242

EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	65	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

Jerilyn L. Struven, No. 49964, Exp. 12-31-10, CIVIL, REGISTERED PROFESSIONAL ENGINEER, STATE OF CALIFORNIA

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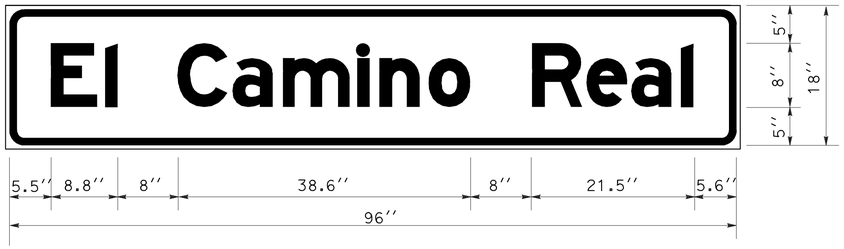
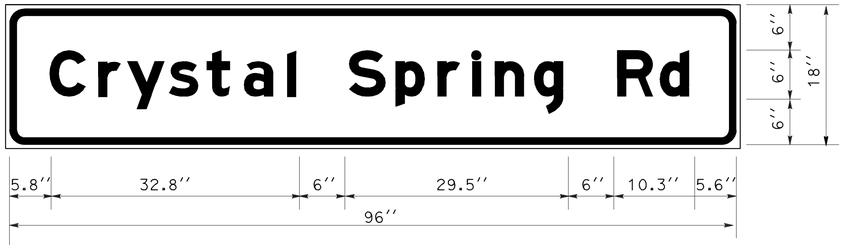
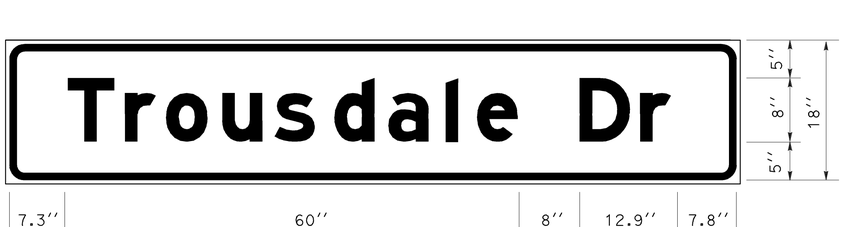


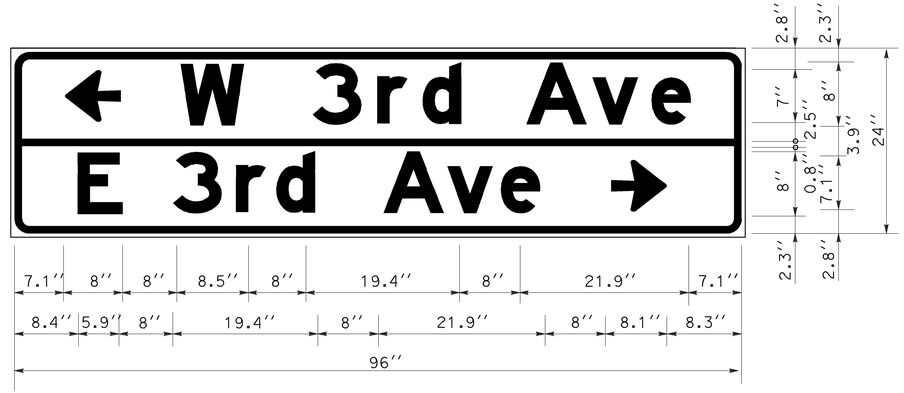
3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
"El Camino Real" E Mod 50% SPACING;



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
"Crystal Spring Rd" E Mod ;

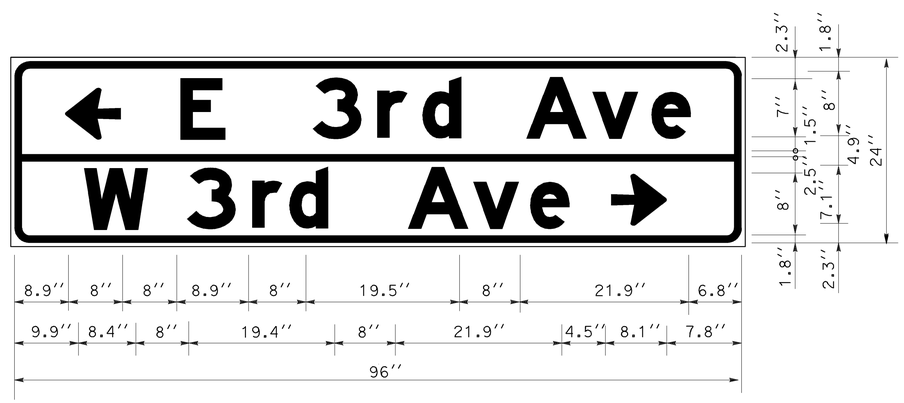


3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
"Trousdale Dr" E Mod;



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 5CAP-1L-8.1" 180°; "W 3rd Ave" E Mod;
"E 3rd Ave" E Mod; ARROW 5CAP-1L-8.1" 0°;

(BACK TO BACK, NB TRAFFIC)



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 5CAP-1L-8.1" 180°; "E 3rd Ave" E Mod;
"W 3rd Ave" E Mod; ARROW 5CAP-1L-8.1" 0°;

SIGN DETAILS
CONTRACTOR FURNISHED SIGNS
NO SCALE

SD-1

CALCULATED-DESIGNED BY	REVISED BY	FUNCTIONAL SUPERVISOR
STEPHEN LAU	SL	ROLAND AU-YEUNG
CHECKED BY	DATE REVISED	
JERILYN STRUVEN	7/6/09	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC
Caltrans

LAST REVISION DATE PLOTTED => 10-DEC-2009
07-29-09 TIME PLOTTED => 10:34

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s135318 DGN FILE => 424992ob001.dgn | CU 04242 | EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	66	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

Jerilyn L. Struven, No. 49964, Exp. 12-31-10, CIVIL, REGISTERED PROFESSIONAL ENGINEER, STATE OF CALIFORNIA

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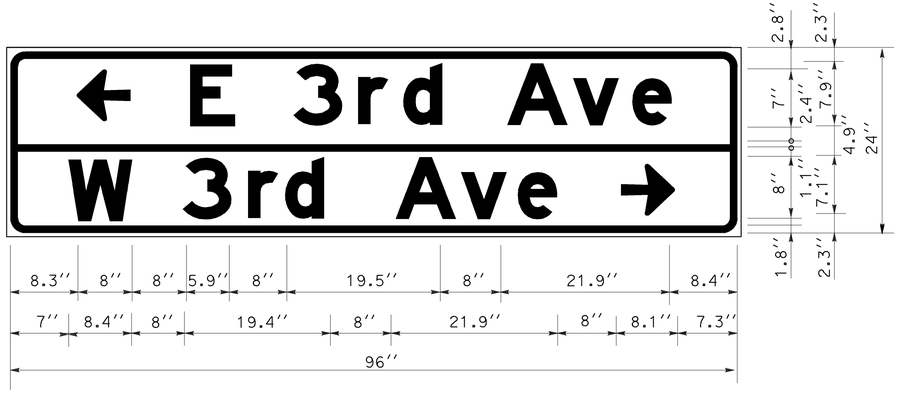
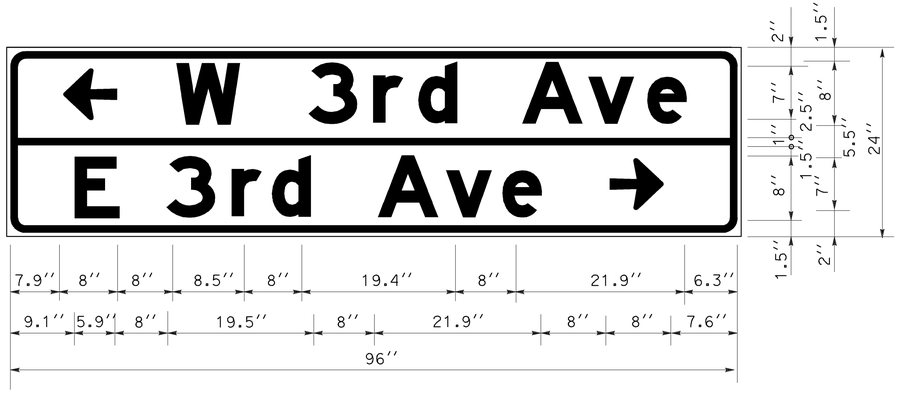
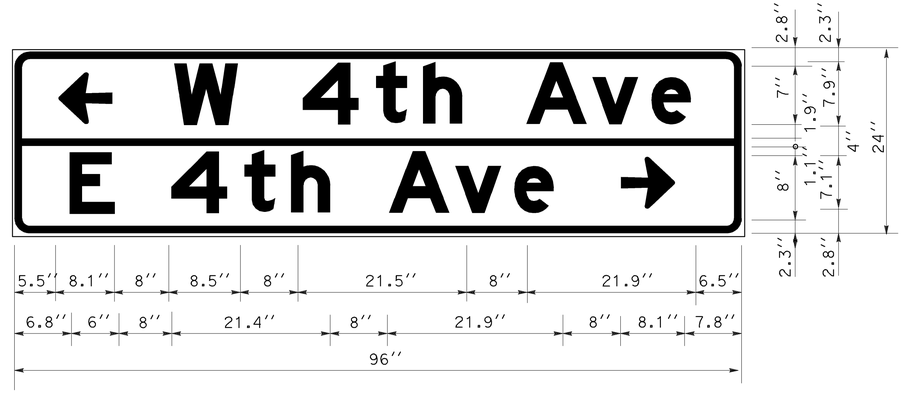


3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 5CAP-1L-8.1" 180°; "E 3rd Ave" E Mod;
"W 3rd Ave" E Mod; ARROW 5CAP-1L-8.1" 0°;

(BACK TO BACK, SB TRAFFIC)

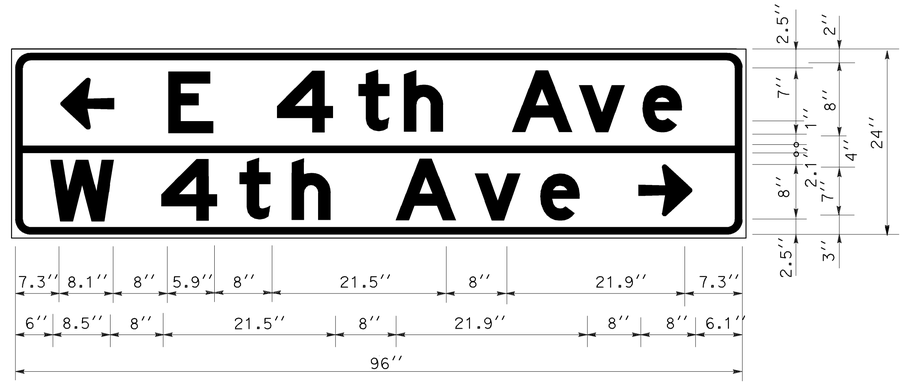


3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 5CAP-1L-8.1" 180°; "W 3rd Ave" E Mod;
"E 3rd Ave" E Mod; ARROW 5CAP-1L-8.1" 0°;



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 5CAP-1L-8.1" 180°; "W 4th Ave" E Mod;
"E 4th Ave" E Mod; ARROW 5CAP-1L-8.1" 0°;

(BACK TO BACK, NB TRAFFIC)



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 5CAP-1L-8.1" 180°; "E 4th Ave" E Mod;
"W 4th Ave" E Mod; ARROW 5CAP-1L-8.1" 0°;

SIGN DETAILS
CONTRACTOR FURNISHED SIGNS
NO SCALE

SD-2

CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN
REVISED BY: SL
DATE REVISED: 7/6/09
FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC
Caltrans

LAST REVISION | DATE PLOTTED => 10-DEC-2009
07-29-09 | TIME PLOTTED => 10:34

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s135318 | DGN FILE => 424992ob002.dgn | CU 04242 | EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	67	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Jerilyn L. Struven — No. 49964 — Exp. 12-31-10 — CIVIL — STATE OF CALIFORNIA

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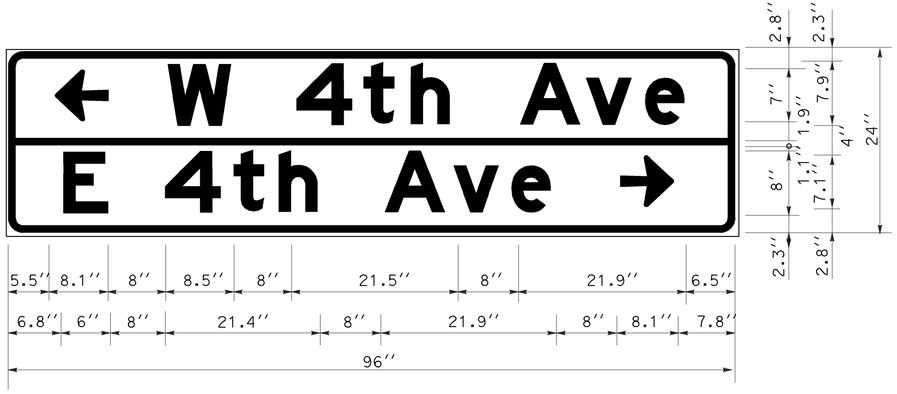
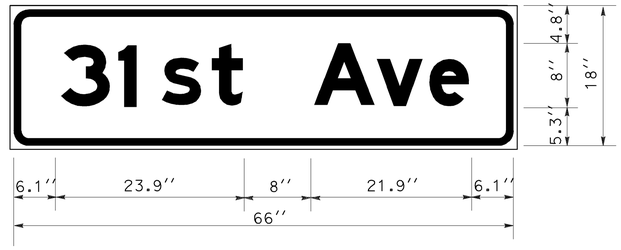


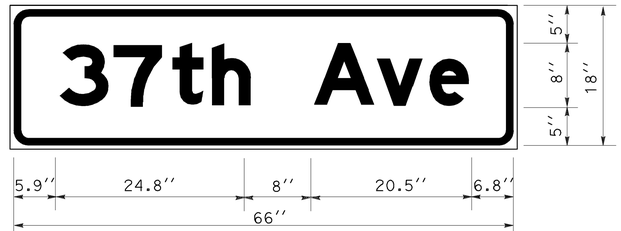
3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 5CAP-1L-8.1" 180°; "W 4th Ave" E Mod;
"E 4th Ave" E Mod; ARROW 5CAP-1L-8.1" 0°;

(BACK TO BACK, SB TRAFFIC)

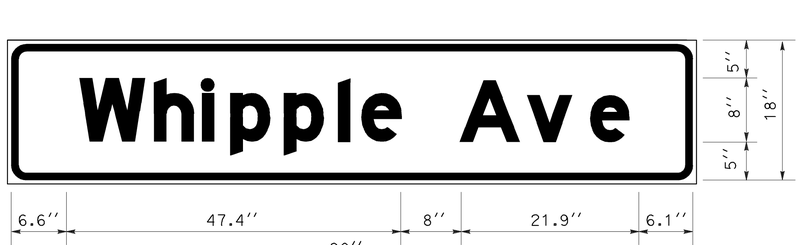
3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 5CAP-1L-8.1" 180°; "E 4th Ave" E Mod;
"W 4th Ave" E Mod; ARROW 5CAP-1L-8.1" 0°;



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
"31st Ave" E Mod



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
"37th Ave" E Mod 50% SPACING



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
"Whipple Ave" E Mod

SIGN DETAILS
CONTRACTOR FURNISHED SIGNS
NO SCALE

SD-3

CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED
STEPHEN LAU	JERILYN STRUVEN	SL	7/6/09

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC

LAST REVISION DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 10:34
07-29-09

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	68	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

Jerilyn L. Struven
No. 49964
Exp. 12-31-10
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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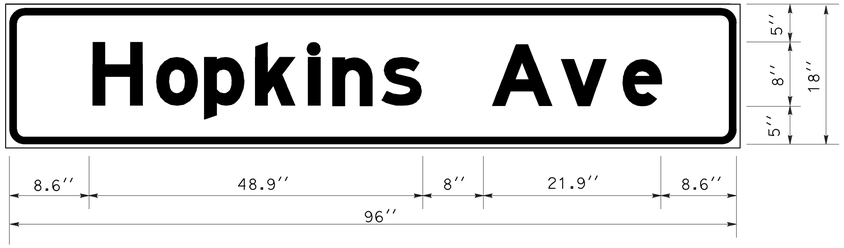
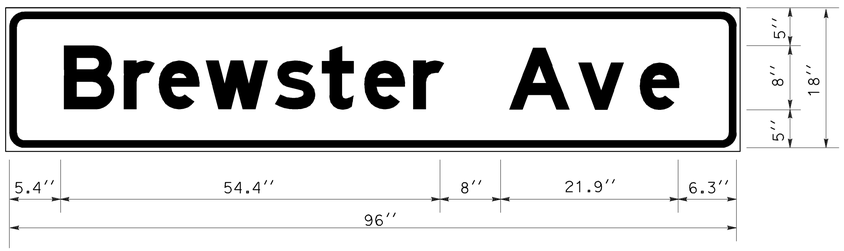
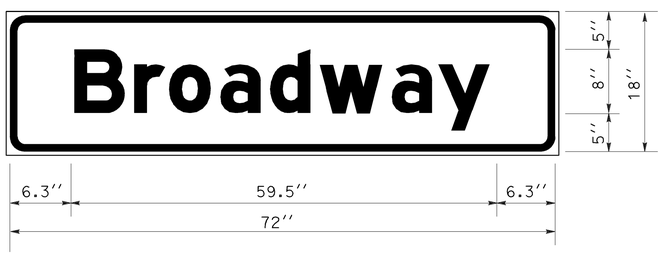


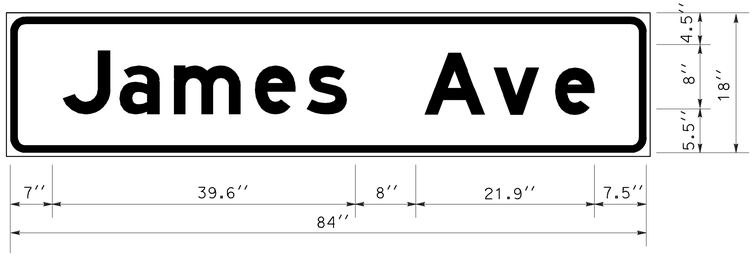
3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
"Hopkins Ave" E Mod;



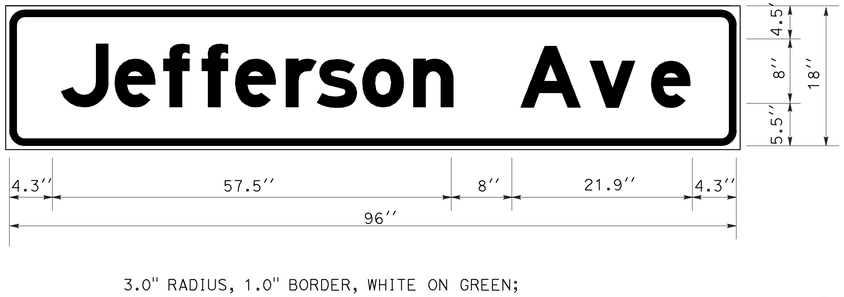
3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
"Brewster Ave" E Mod;



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
"Broadway" E Mod;



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
"James Ave" E Mod;



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
"Jefferson Ave" E Mod;

SIGN DETAILS
CONTRACTOR FURNISHED SIGNS
NO SCALE

SD-4

REVISED BY	DATE REVISED
SL	7/6/09

CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN
FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC

LAST REVISION DATE PLOTTED => 10-DEC-2009
07-29-09 TIME PLOTTED => 10:35

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s135318
DGN FILE => 424992ab004.dgn

CU 04242

EA 249921

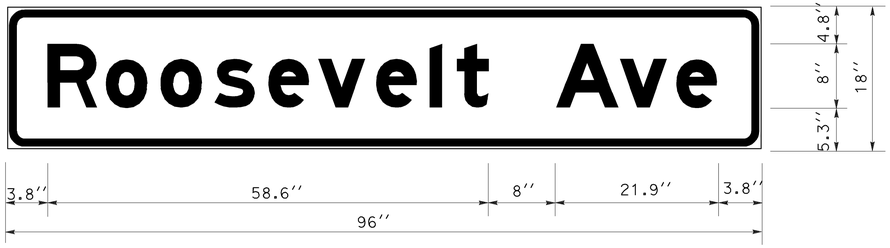
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	69	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

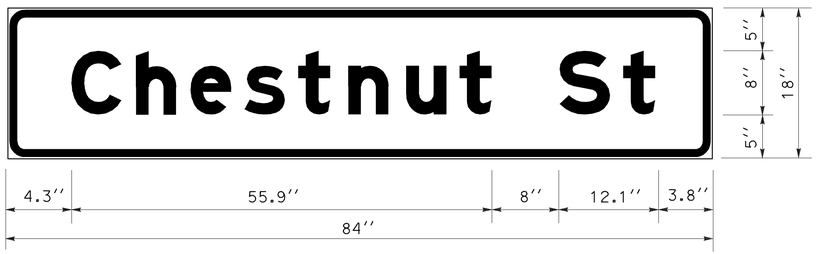
12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Jerilyn L. Struven
No. 49964
Exp. 12-31-10
CIVIL
STATE OF CALIFORNIA

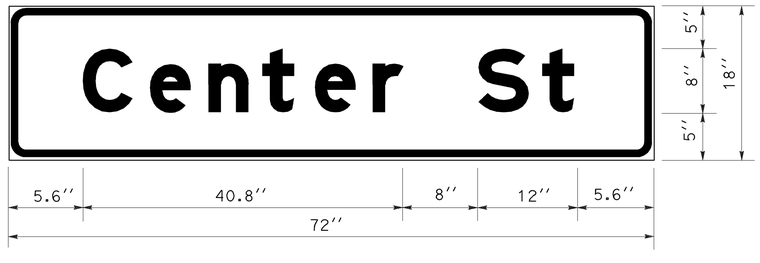
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



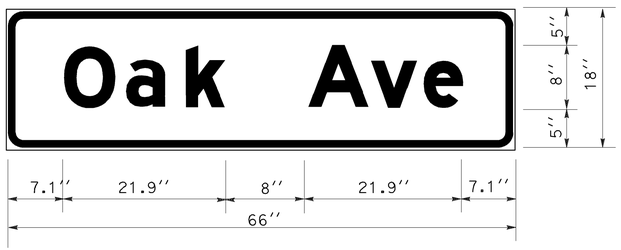
3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN; "Roosevelt Ave" E Mod;



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN; "Chestnut St" E Mod;



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN; "Center St" E Mod;



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
"Oak Ave" E Mod

SIGN DETAILS
CONTRACTOR FURNISHED SIGNS
NO SCALE

SD-5

CALCULATED-DESIGNED BY	SL	REVISED BY	
CHECKED BY	7/6/09	DATE REVISED	
STEPHEN LAU			
JERILYN STRUVEN			
FUNCTIONAL SUPERVISOR			
ROLAND AU-YEUNG			

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC
Caltrans

LAST REVISION DATE PLOTTED => 10-DEC-2009
07-29-09 TIME PLOTTED => 10:35

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => s135318
DGN FILE => 424992ob005.dgn

CU 04242

EA 249921

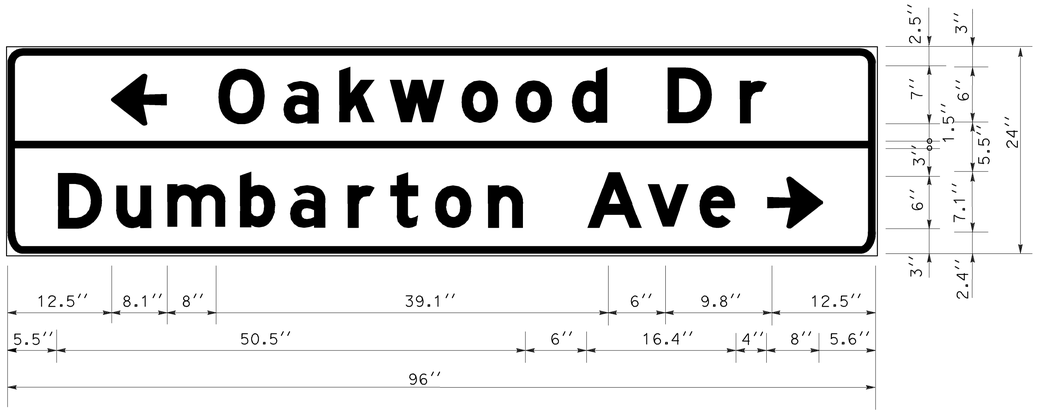
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	70	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

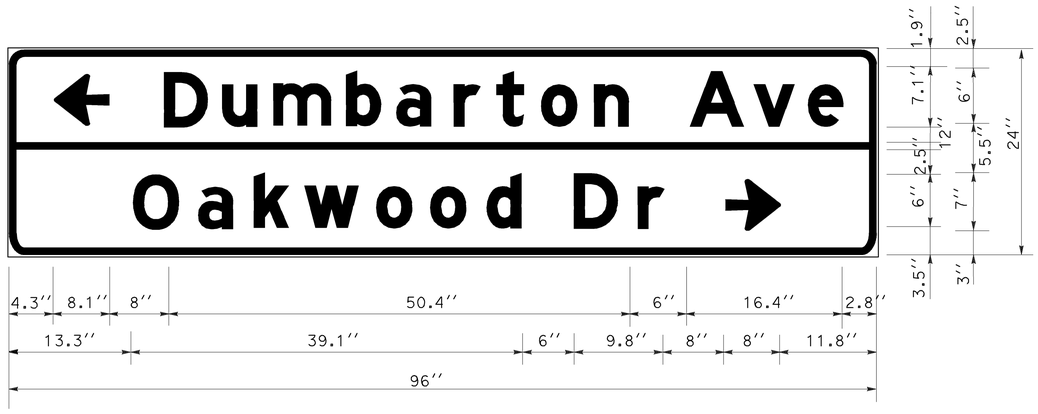
REGISTERED PROFESSIONAL ENGINEER
Jerilyn L. Struven
No. 49964
Exp. 12-31-10
CIVIL
STATE OF CALIFORNIA

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.



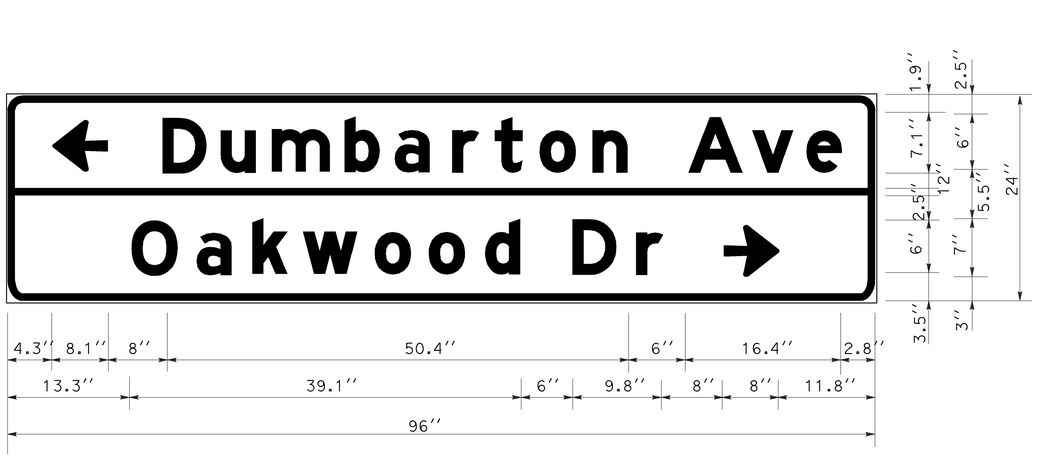
3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 5CAP-1L-8.1" 180°; "Oakwood Dr" E Mod;
"Dumbarton Ave" E Mod; ARROW 5CAP-1L-8.1" 0°;

(BACK TO BACK, NB TRAFFIC)

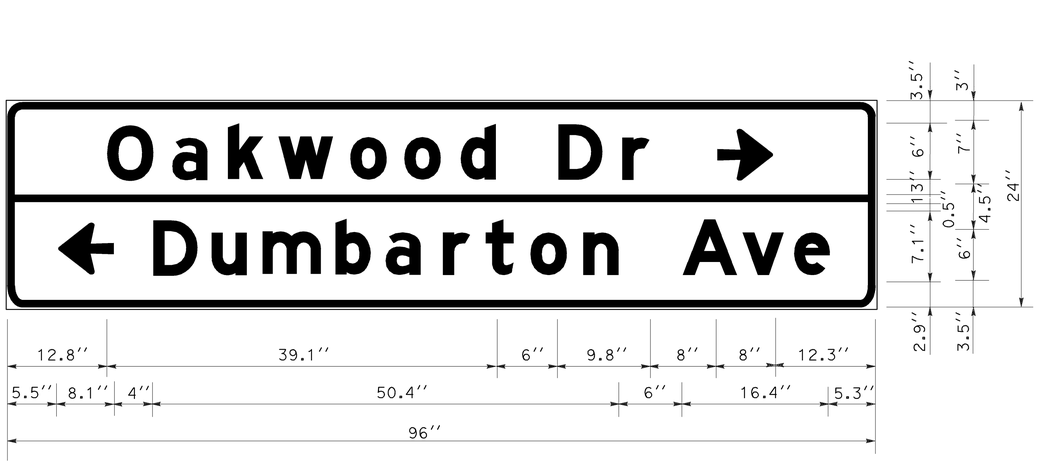


3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 5CAP-1L-8.1" 180°; "Dumbarton Ave" E Mod;
"Oakwood Dr" E Mod; ARROW 5CAP-1L-8.1" 0°;

(BACK TO BACK, SB TRAFFIC)



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 5CAP-1L-8.1" 180°; "Dumbarton Ave" E Mod;
"Oakwood Dr" E Mod; ARROW 5CAP-1L-8.1" 0°;



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 5CAP-1L-8.1" 180°; "Oakwood Dr" E Mod;
"Dumbarton Ave" E Mod; ARROW 5CAP-1L-8.1" 0°;

SIGN DETAILS
CONTRACTOR FURNISHED SIGNS
NO SCALE

SD-6

CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED
STEPHEN LAU	JERILYN STRUVEN	SL	7/6/09

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC
Caltrans

LAST REVISION 04-14-09 | DATE PLOTTED => 10-DEC-2009 | TIME PLOTTED => 10:35

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => s135318 | DGN FILE => 424992ab006.dgn | CU 04242 | EA 249921

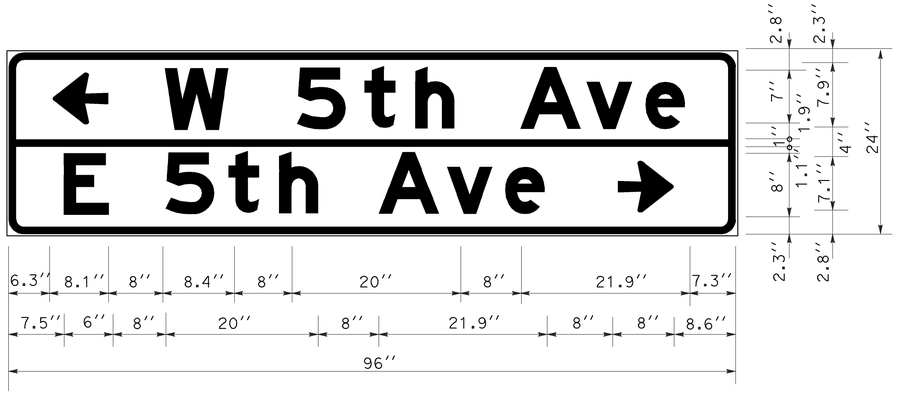
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	71	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

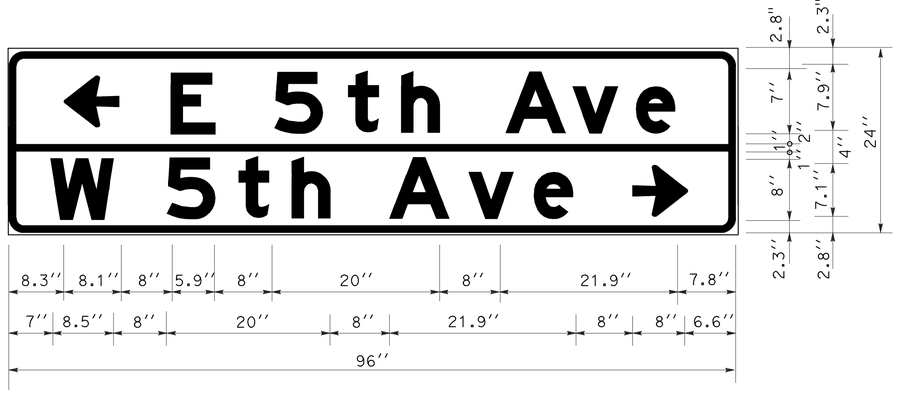
Jerilyn L. Struven
No. 49964
Exp. 12-31-10
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 5CAP-1L-8.1" 180°; "W 5th Ave" E Mod;
"E 5th Ave" E Mod; ARROW 5CAP-1L-8.1" 0°;

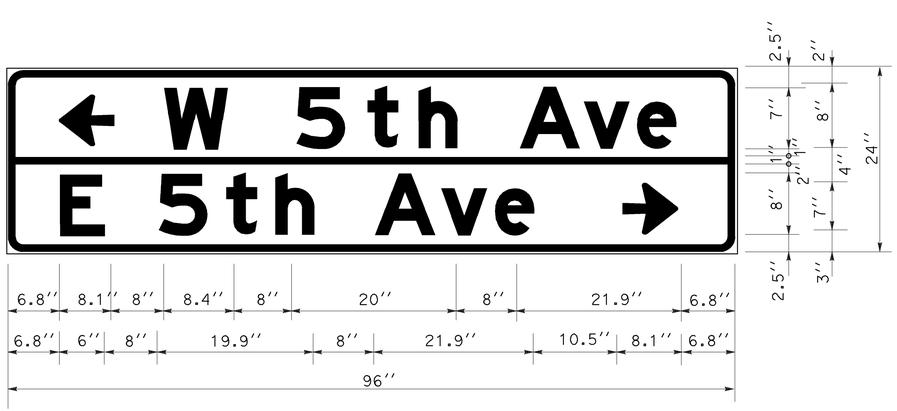
(BACK TO BACK, NB TRAFFIC)



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 5CAP-1L-8.1" 180°; "E 5th Ave" E Mod;
"W 5th Ave" E Mod; ARROW 5CAP-1L-8.1" 0°;

(BACK TO BACK, SB TRAFFIC)

3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 5CAP-1L-8.1" 180°; "E 5th Ave" E Mod;
"W 5th Ave" E Mod; ARROW 5CAP-1L-8.1" 0°;



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 5CAP-1L-8.1" 180°; "W 5th Ave" E Mod;
"E 5th Ave" E Mod; ARROW 5CAP-1L-8.1" 0°;

SIGN DETAILS
CONTRACTOR FURNISHED SIGNS
NO SCALE

SD-7

CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN
REVISED BY: SL
DATE REVISED: 7/6/09
FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC

LAST REVISION 07-31-09 | DATE PLOTTED => 10-DEC-2009 | TIME PLOTTED => 09:59

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => trstrk | DGN FILE => 424992ab007.dgn | CU 04242 | EA 249921

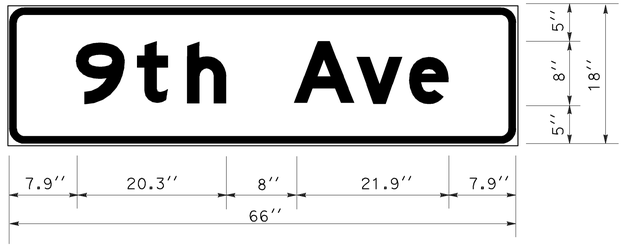
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	72	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

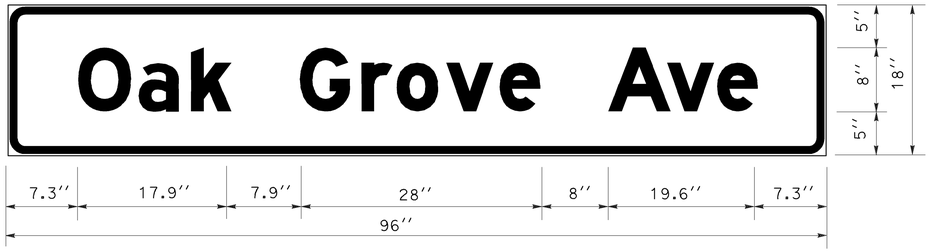
Jerilyn L. Struven, No. 49964, Exp. 12-31-10, CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

12-7-09
PLANS APPROVAL DATE

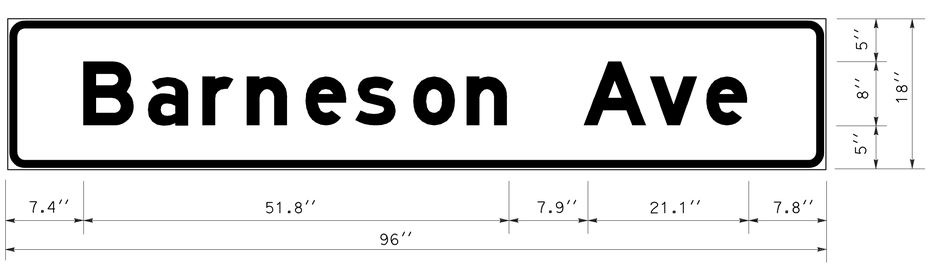
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
"9th Ave" E Mod;



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN; "Oak Grove Ave" E Mod 20% SPACING;



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN; "Barneson Ave" E Mod 70% SPACING;

SIGN DETAILS
CONTRACTOR FURNISHED SIGNS
NO SCALE

SD-8

CALCULATED-DESIGNED BY: SL
CHECKED BY: JERILYN STRUVEN
FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
REVISED BY / DATE REVISED: 7/6/09

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC

LAST REVISION | DATE PLOTTED => 10-DEC-2009 | TIME PLOTTED => 09:59
07-31-09

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trstrk
DGN FILE => 424992ab008.dgn

CU 04242

EA 249921

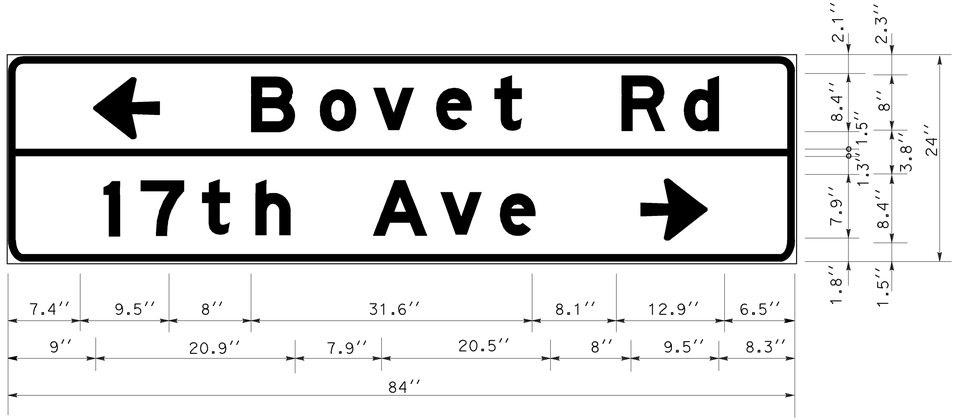
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	73	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

Jerilyn L. Struven
No. 49964
Exp. 12-31-10
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

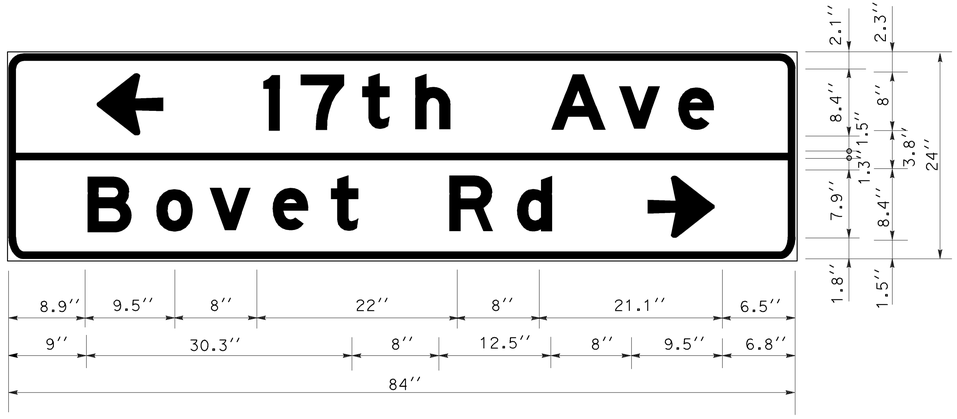
12-7-09
PLANS APPROVAL DATE

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.



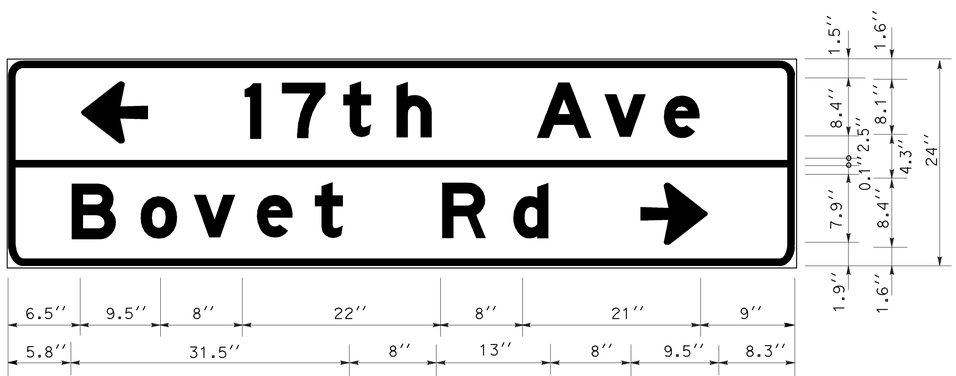
3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 6UC-1L-9.6" 180°; "Bovet Rd" E Mod 70% SPACING;
"17th Ave" E Mod 50% SPACING; ARROW 6UC-1L-9.6" 0°;

(BACK TO BACK, NB TRAFFIC)

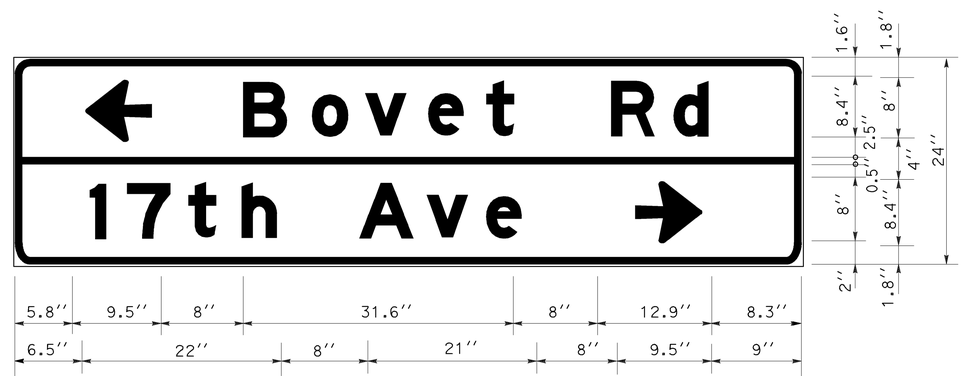


3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 6UC-1L-9.6" 180°; "17th Ave" E Mod 70% SPACING;
"Bovet Rd" E Mod 50% SPACING; ARROW 6UC-1L-9.6" 0°;

(BACK TO BACK, SB TRAFFIC)



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 6UC-1L-9.6" 180°; "17th Ave" E Mod 70% SPACING;
"Bovet Rd" E Mod 70% SPACING; ARROW 6UC-1L-9.6" 0°;



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 6UC-1L-9.6" 180°; "Bovet Rd" E Mod 70% SPACING;
"17th Ave" E Mod 70% SPACING; ARROW 6UC-1L-9.6" 0°;

SIGN DETAILS
CONTRACTOR FURNISHED SIGNS
NO SCALE

SD-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG

CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN

REVISED BY: SL
DATE REVISED: 7/6/09

LAST REVISION DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 09:59
04-15-09

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trstrk
DGN FILE => 424992ab009.dgn

CU 04242

EA 249921

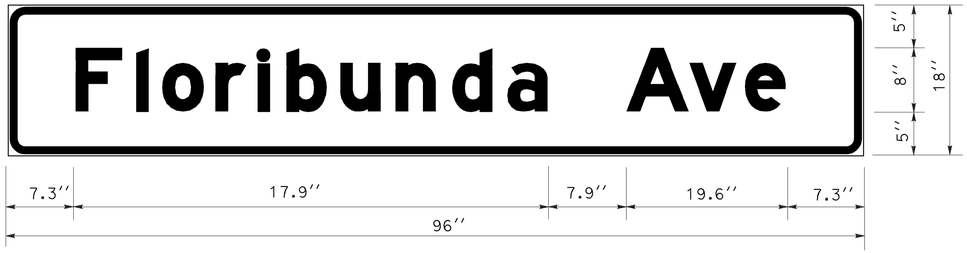
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	74	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

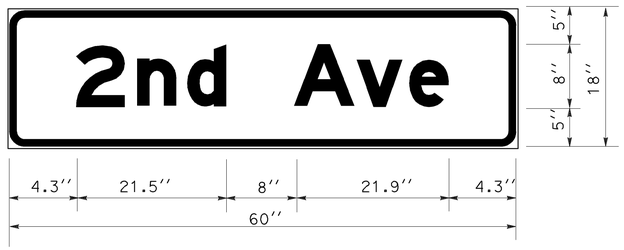
12-7-09
PLANS APPROVAL DATE

Jerilyn L. Struven
No. 49964
Exp. 12-31-10
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN; "Oak Grove Ave" E Mod 20% SPACING;



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
"2nd Ave" E Mod;

SIGN DETAILS
CONTRACTOR FURNISHED SIGNS
NO SCALE

SD-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	REVISED BY	DATE REVISED
Caltrans® TRAFFIC	ROLAND AU-YEUNG	SL	7/6/09
CALCULATED-DESIGNED BY: STEPHEN LAU			
CHECKED BY: JERILYN STRUVEN			

LAST REVISION: DATE PLOTTED => 10-DEC-2009 TIME PLOTTED => 09:59
07-31-09

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trstrk
DGN FILE => 424992ob010.dgn

CU 04242

EA 249921

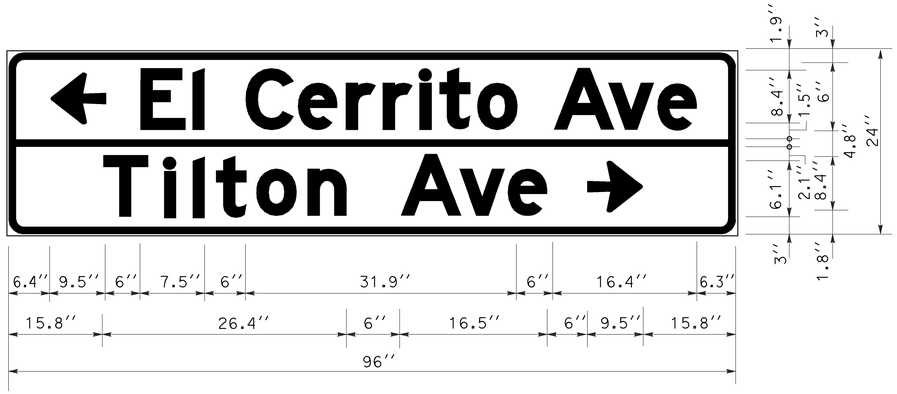
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	75	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

Jerilyn L. Struven — No. 49964 — Exp. 12-31-10 — CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

12-7-09
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.



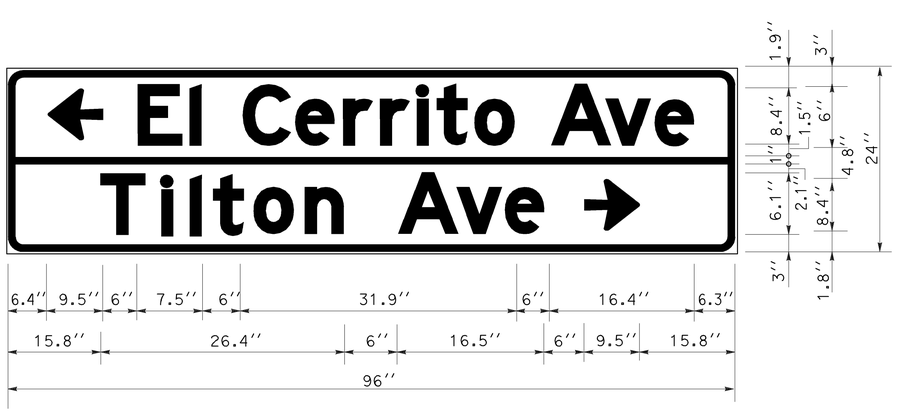
3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 6UC-1L-9.6" 180°; "El Cerrito Ave" E Mod; "Tilton Ave" E Mod
ARROW 6UC-1L-9.6" 0°;

(BACK TO BACK, NB TRAFFIC)

3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 6UC--1L-9.6'' 180°;" Tilton Ave" E Mod; "El Cerrito Ave" E Mod ;
ARROW 6UC-1L-9.6" 0°;

3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 6UC-1L-9.6" 180°; "Tilton Ave" E Mod; "El Cerrito Ave" E Mod;
ARROW 6UC-1L-9.6" 0°;

(BACK TO BACK, SB TRAFFIC)



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
ARROW 6UC--1L-9.6" 180°; "El Cerrito Ave" E Mod; "Tilton Ave" E Mod
ARROW 6UC-1L- 9.6"- 0°;

SIGN DETAILS
CONTRACTOR FURNISHED SIGNS
NO SCALE

SD-11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC
FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN
REVISED BY: SL
DATE REVISED: 7/6/09

LAST REVISION — DATE PLOTTED => 10-DEC-2009 — TIME PLOTTED => 09:59
07-31-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trstrk
DGN FILE => 424992ab011.dgn
CU 04242
EA 249921

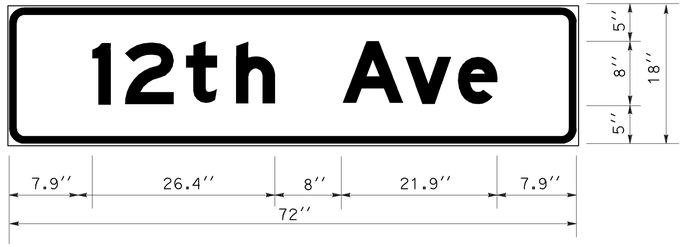
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	76	227

Jerilyn L. Struven 8/10/09
REGISTERED CIVIL ENGINEER DATE

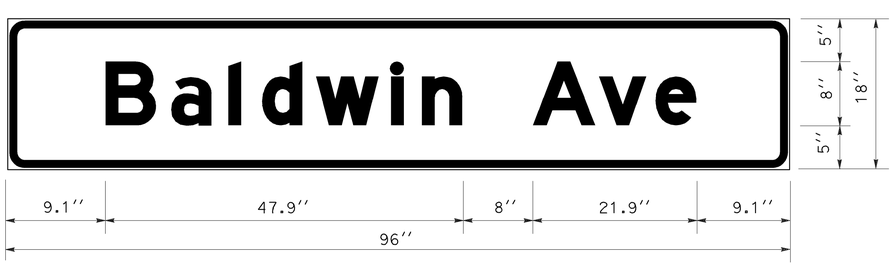
12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Jerilyn L. Struven
No. 49964
Exp. 12-31-10
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.



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN;
"12th Ave" E Mod;



3.0" RADIUS, 1.0" BORDER, WHITE ON GREEN; "Baldwin Ave" E Mod;

SIGN DETAILS
CONTRACTOR FURNISHED SIGNS
NO SCALE

SD-12

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
CALCULATED-DESIGNED BY:
CHECKED BY:

REVISED BY	DATE REVISED
SL	7/6/09

STEPHEN LAU
JERILYN STRUVEN

LAST REVISION DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 09:59
07-31-09

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trstrk
DGN FILE => 424992ab012.dgn

CU 04242

EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	77	227

REGISTERED CIVIL ENGINEER — DATE: 8/10/09

Jerilyn L. Struven, No. 49964, Exp. 12-31-10, CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

12-7-09
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.

ROADSIDE SIGN INSTALLATION

SHEET No.	SIGN No.	CODE	PANEL SIZE	POST LENGTH	ROADSIDE SIGN	INSTALL SIGN STRAP & SADDLE BRACKET MOUNTED	REMOVE		RELOCATE ROADSIDE SIGN	REMARKS
				4'' x 4''	ONE POST		ROADSIDE SIGN	ROADSIDE SIGN (SSBM)		
			IN x IN	FT	EA					
S-1	1	R73-5						1		REUSE PANEL FOR No. 3
	2	G7 (Millbrae Ave)						1		REUSE PANEL FOR No. 4 (IISNS)
	3	R73-5								* ON MAST ARM, USE REMOVED PANEL FROM No. 1
	4	G7 (Millbrae Ave)								* ON MAST ARM, USE REMOVED PANEL FROM No. 2 (IISNS)
	5	R6-1 (Lt)							1	
	6	R6-1 (Lt)						1		REUSE PANEL FOR No. 7
	7	R6-1 (Lt)				1				USE REMOVED PANEL FROM No. 6
	8	R73-3						1		REUSE PANEL FOR No. 9
	9	R73-3								* ON MAST ARM, USE REMOVED PANEL FROM No. 8
	10	G7 (El Camino Real)								* ON MAST ARM (IISNS)
	11	R73-2						1		REUSE PANEL FOR No. 16
	12	G7 (Millbrae Ave)						1		REUSE PANEL FOR No. 15 (IISNS)
	13	R6-1 (Lt)						1		PANEL TO BE DISPOSED
	14	R6-1 (Lt)				1				USE REMOVED PANEL FROM No. 13
	15	G7 (Millbrae Ave)								* ON MAST ARM, USE REMOVED PANEL FROM No. 12
	16	R73-2				1				USE REMOVED PANEL FROM No. 11
	17	R6-1 (Lt)						1		REUSE PANEL FOR No. 18
	18	R6-1 (Lt)				1				USE REMOVED PANEL FROM No. 17
	19	G7 (El Camino Real)						1		REUSE PANEL FOR No. 22 (IISNS)
	20	R73-6 (Mod)						1		REUSE PANEL FOR No. 21
	21	R73-6 (Mod)								* ON MAST ARM, USE REMOVED PANEL FROM No. 20
	22	G7 (El Camino Real)								* ON MAST ARM, USE REMOVED PANEL FROM No. 19 (IISNS)
	23	R6-1 (Rt) R73-5							1	
	24	G7 (Trousdale Dr)	96 x 18							* ON MAST ARM
	25	G7 (Trousdale Dr)	96 x 18							* ON MAST ARM
	26	R3-4						1		PANEL TO BE DISPOSED
	27	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 26
	28	R6-1 (Lt)						1		REUSE PANEL FOR No. 29
	29	R6-1 (Lt)		11.5	1					USE REMOVED PANEL FROM No. 28
	30	R6-1 (Rt)						1		REUSE PANEL FOR No. 31
	31	R6-1 (Rt)		11.5	1					USE REMOVED PANEL FROM No. 30
S-2	1	R3-4						1		REUSE PANEL FOR No. 5
	2	R49 (Lt)						1		PANEL TO BE DISPOSED
	3	R3-4						1		REUSE PANEL FOR No. 4
	4	R3-4								* ON MAST ARM, USE REMOVED PANEL FROM No. 3
	5	R3-4								* ON MAST ARM, USE REMOVED PANEL FROM No. 1
	6	R3-4						1		REUSE PANEL FOR No. 7
	7	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 6
	8	R3-4	24 x 24			1				ON SIGNAL POST
	9	G7 (Floribunda Ave)	96 x 18							* ON MAST ARM
	10	R3-4						1		REUSE PANEL FOR No. 11
	11	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 10
	12	R3-4						1		REUSE PANEL FOR No. 13
	13	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 12
	14	G7 (Floribunda Ave)	96 x 18							* ON MAST ARM
	15	G7 (Tilton Ave/El Cerrito Ave)	96 x 24							* ON MAST ARM
	16	G7 (El Cerrito Ave/Tilton Ave)	96 x 24							* ON MAST ARM
TOTAL					2	9		19	2	

* INSTALLATION PAID UNDER ELECTRICAL ITEM

SIGN QUANTITIES

SQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — TRAFFIC

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG

CALCULATED-DESIGNED BY: STEPHEN LAU

CHECKED BY: JERILYN STRUVEN

REVISED BY: SL — DATE REVISED: 7/6/09

LAST REVISION DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 09:59

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	78	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

Jerilyn L. Struven — No. 49964 — Exp. 12-31-10 — CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

12-7-09
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.

ROADSIDE SIGN INSTALLATION

SHEET No.	SIGN No.	CODE	PANEL SIZE	POST LENGTH	ROADSIDE SIGN	INSTALL SIGN STRAP & SADDLE BRACKET MOUNTED	REMOVE		RELOCATE ROADSIDE SIGN	REMARKS
				4'' x 4''	ONE POST		ROADSIDE SIGN	ROADSIDE SIGN (SSBM)		
			IN x IN	FT	EA					
S-3	1	R3-4						1		REUSE PANEL FOR No. 2
	2	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 1
	3	G7 (Crystal Spring Rd)	96 x 18							* ON MAST ARM
	4	R3-4						1		REUSE PANEL FOR No. 5
	5	R3-4								* ON MAST ARM, USE REMOVED PANEL FROM No. 4
	6	R3-4						1		REUSE PANEL FOR No. 8
	7	G7 (Crystal Spring Rd)	96 x 18							* ON MAST ARM
	8	R3-4								* ON MAST ARM, USE REMOVED PANEL FROM No. 6
	9	R3-4						1		REUSE PANEL FOR No. 10
	10	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 9
	11	G7 (Baldwin Ave)	96 x 18							* ON MAST ARM
S-4	1	R3-4						1		REUSE PANEL FOR No. 2
	2	R3-4								* ON MAST ARM, USE REMOVED PANEL FROM No. 1
	3	G7 (W 3RD Ave/E 3RD Ave)	96 x 24							* ON MAST ARM
	4	R6-1 (Lt)						1		REUSE PANEL FOR No. 5
	5	R6-1 (Lt)				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 4
	6	R3-4						1		REUSE PANEL FOR No. 7
	7	R3-4								* ON MAST ARM, USE REMOVED PANEL FROM No. 6
	8	G7 (E 3RD Ave/W 3RD Ave)	96 x 24							* ON MAST ARM
	9	R6-1 (Lt)						1		REUSE PANEL FOR No. 10
	10	R6-1 (Lt)				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 9
	11	R3-4						1		REUSE PANEL FOR No. 12
	12	R3-4								* ON MAST ARM, USE REMOVED PANEL FROM No. 11
	13	G7 (2ND Ave)	60 x 18							* ON MAST ARM
	14	G7 (2ND Ave)	60 x 18							* ON MAST ARM
	15	G7 (El Camino Real)	96 x 18							* ON MAST ARM
	16	G7 (El Camino Real)	96 x 18							* ON MAST ARM
S-5	1	R3-4						1		REUSE PANEL FOR No. 2
	2	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 1
	3	G7 (W 4TH Ave/E 4TH Ave)	96 x 24							* ON MAST ARM
	4	R6-1						1		PANEL TO BE DISPOSED
	5	R3-4						1		REUSE PANEL FOR No. 6
	6	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 5
	7	G7 (E 4TH Ave/W 4TH Ave)	96 x 24							* ON MAST ARM
	8	R6-1 (Rt)						1		REUSE PANEL FOR No. 23
	9	R6-1 (Lt)						1		REUSE PANEL FOR No. 10
		TOTAL				6		14		

* INSTALLATION PAID UNDER ELECTRICAL ITEM

SIGN QUANTITIES

SQ-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC
Caltrans

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN
REVISED BY: SL
DATE REVISED: 7/6/09

LAST REVISION — DATE PLOTTED => 10-DEC-2009 — TIME PLOTTED => 09:59 — 08-28-09

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trstrk
DGN FILE => 424992oc002.dgn

CU 04242

EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	79	227

REGISTERED CIVIL ENGINEER — DATE: 8/10/09

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Jerilyn L. Struven — No. 49964 — Exp. 12-31-10 — 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.

ROADSIDE SIGN INSTALLATION

SHEET No.	SIGN No.	CODE	PANEL SIZE	POST LENGTH	ROADSIDE SIGN	INSTALL SIGN STRAP & SADDLE BRACKET MOUNTED	REMOVE		RELOCATE ROADSIDE SIGN	REMARKS
				4'' x 4''	ONE POST		ROADSIDE SIGN	ROADSIDE SIGN (SSBM)		
			IN x IN	FT	EA					
S-5	10	R6-1 (Lt)				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 9
	11	R3-4						1		REUSE PANEL FOR No. 12
	12	R3-4								* ON MAST ARM, USE REMOVED PANEL FROM No. 11
	13	G7 (W 5TH Ave/E 5TH Ave)	96 x 24							* ON MAST ARM
	14	R6-1 (Rt)						1		REUSE PANEL FOR No. 25
	15	R6-1 (Rt)						1		REUSE PANEL FOR No. 16
	16	R6-1 (Rt)				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 15
	17	R3-4						1		REUSE PANEL FOR No. 18
	18	R3-4								* ON MAST ARM, USE REMOVED PANEL FROM No. 17
	19	G7 (E 5TH Ave/W 5TH Ave)	96 x 24							* ON MAST ARM
	20	R6-1 (Rt)						1		REUSE PANEL FOR No. 24
	21	R6-1 (Lt)						1		REUSE PANEL FOR No. 22
	22	R6-1 (Lt)				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 21
	23	R6-1 (Rt)		11.5	1					USE REMOVED PANEL FROM No. 8
	24	R6-1 (Rt)		11.5	1					USE REMOVED PANEL FROM No. 20
	25	R6-1 (Rt)		11.5	1					USE REMOVED PANEL FROM No. 14
S-6	1	R3-4						1		REUSE PANEL FOR No. 2
	2	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 1
	3	G7 (9TH Ave)	66 x 18							* ON MAST ARM
	4	R6-1 (Rt)						1		REUSE PANEL FOR No. 11
	5	R3-4						1		REUSE PANEL FOR No. 6
	6	R3-4								* ON MAST ARM, USE REMOVED PANEL FROM No. 5
	7	R3-4						1		REUSE PANEL FOR No. 8
	8	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 7
	9	R3-4						1		REUSE PANEL FOR No. 10
	10	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 9
	11	R6-1 (Rt)		11.5	1					USE REMOVED PANEL FROM No. 4
	12	G7 (9TH Ave)	66 x 18							* ON MAST ARM
	13	G7 (12TH Ave)	72 x 18							* ON MAST ARM
	14	G7 (12TH Ave)	72 x 18							* ON MAST ARM
S-7	1	R3-18						1		REUSE PANEL FOR No. 2
	2	R3-18								* ON MAST ARM, USE REMOVED PANEL FROM No. 1
	3	R3-4						1		REUSE PANEL FOR No. 4
	4	R3-4								* ON MAST ARM, USE REMOVED PANEL FROM No. 3
	5	R3-4						1		REUSE PANEL FOR No. 6
	6	R3-4								* ON MAST ARM, USE REMOVED PANEL FROM No. 5
	7	G7 (Bovet Rd/17TH Ave)	84 x 24							* ON MAST ARM
	8	G7 (17TH Ave/Bovet Rd)	84 x 24							* ON MAST ARM
	9	G7 (Barneson Ave)	96 x 18							* ON MAST ARM
	10	G7 (Barneson Ave)	96 x 18							* ON MAST ARM
TOTAL					4	6		14		

* INSTALLATION PAID UNDER ELECTRICAL ITEM

REVISED BY	DATE REVISED
SL	7/6/09

CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN
FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC

SIGN QUANTITIES

SQ-3

LAST REVISION 05-26-09 | DATE PLOTTED => 10-DEC-2009 | TIME PLOTTED => 10:09

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	80	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Jerilyn L. Struven
No. 49964
Exp. 12-31-10
CIVIL
STATE OF CALIFORNIA

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ROADSIDE SIGN INSTALLATION

SHEET No.	SIGN No.	CODE	PANEL SIZE	POST LENGTH 4'' x 4''	ROADSIDE SIGN ONE POST	INSTALL SIGN STRAP & SADDLE BRACKET MOUNTED	REMOVE ROADSIDE SIGN	REMOVE ROADSIDE SIGN (SSBM)	RELOCATE ROADSIDE SIGN	REMARKS
			IN x IN	FT	EA					
S-8	1	R3-4						1		REUSE PANEL FOR No. 3
	2	G7 (31ST Ave)	66 x 18							* ON MAST ARM
	3	R3-4								* ON MAST ARM, USE REMOVED PANEL FROM No. 1
	4	R3-4						1		REUSE PANEL FOR No. 6
	5	G7 (31ST Ave)	66 x 18							* ON MAST ARM
	6	R3-4								* ON MAST ARM, USE REMOVED PANEL FROM No. 4
	7	G7 (37TH Ave)	66 x 18							* ON MAST ARM
	8	R3-4						1		REUSE PANEL FOR No. 9
	9	R3-4								* ON MAST ARM, USE REMOVED PANEL FROM No. 8
	10	G7 (37TH Ave)	66 x 18							* ON MAST ARM
	11	R6-1 (Lt)						1		REUSE PANEL FOR No. 12
	12	R6-1 (Lt)		11.5	1					USE REMOVED PANEL FROM No. 11
	13	R6-1 (Lt)						1		REUSE PANEL FOR No. 14
	14	R6-1 (Lt)				1				USE REMOVED PANEL FROM No. 13
S-9	1	R6-1 (Lt)						1		REUSE PANEL FOR No. 2
	2	R6-1 (Lt)								ON SIGNAL POST, USE REMOVED PANEL FROM No. 1
	3	G7 (El Camino Real)						1		PANEL TO BE DISPOSED
	4	R49 (Lt)						1		PANEL TO BE DISPOSED
	5	G7 (El Camino Real)	96 x 18							* ON MAST ARM
	6	R3-4						1		REUSE PANEL FOR No. 7
	7	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 6
	8	G7 (Whipple Ave)	96 x 18							* ON MAST ARM
	9	R73-5						1		REUSE PANEL FOR No. 14
	10	R6-1 (Rt)						1		REUSE PANEL FOR No. 11
	11	R6-1 (Rt)		11.5	1					USE REMOVED PANEL FROM No. 10
	12	R3-4						1		REUSE PANEL FOR No. 13
	13	R3-4								* ON MAST ARM, USE REMOVED PANEL FROM No. 12
	14	R73-5								* ON MAST ARM, USE REMOVED PANEL FROM No. 9
	15	G7 (Whipple Ave)	96 x 18							* ON MAST ARM
S-10	1	R3-4						1		REUSE PANEL FOR No. 2
	2	R3-4				1				ON SIGNAL POLE, USE REMOVED PANEL FROM No. 1
	3	G7 (Hopkins Ave)	96 x 18							* ON MAST ARM
	4	R6-1 (Lt)						1		REUSE PANEL FOR No. 5
	5	R6-1 (Lt)				1				ON SIGNAL POLE, USE REMOVED PANEL FROM No. 4
	6	G7 (Hopkins Ave)	96 x 18							* ON MAST ARM
	7	R6-1 (Lt)						1		REUSE PANEL FOR No. 8
	8	R6-1 (Lt)				1				ON SIGNAL POLE, USE REMOVED PANEL FROM No. 7
TOTAL					2	5		15		

* INSTALLATION PAID UNDER ELECTRICAL ITEM

SIGN QUANTITIES

SQ-4

CALCULATED-DESIGNED BY: SL
CHECKED BY: 7/6/09
REVISED BY
DATE REVISED
STEPHEN LAU
JERILYN STRUVEN
FUNCTIONAL SUPERVISOR
ROLAND AU-YEUNG
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC

LAST REVISION DATE PLOTTED => 10-DEC-2009
08-26-09 TIME PLOTTED => 11:06

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trstrk
DGN FILE => 424992oc004.dgn
CU 04242
EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	81	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

Jerilyn L. Struven, No. 49964, Exp. 12-31-10, CIVIL, REGISTERED PROFESSIONAL ENGINEER, STATE OF CALIFORNIA

12-7-09
PLANS APPROVAL DATE

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ROADSIDE SIGN INSTALLATION

SHEET No.	SIGN No.	CODE	PANEL SIZE	POST LENGTH	ROADSIDE SIGN	INSTALL SIGN STRAP & SADDLE BRACKET MOUNTED	REMOVE		RELOCATE ROADSIDE SIGN	REMARKS
				4'' x 4''	ONE POST		ROADSIDE SIGN	ROADSIDE SIGN (SSBM)		
			IN x IN	FT	EA					
S-10	9	G7 (Brewster Ave)	96 x 18							* ON MAST ARM
	10	R3-4						1		REUSE PANEL FOR No. 11
	11	R3-4				1				ON SIGNAL POLE, USE REMOVED PANEL FROM No. 10
	12	R3-18						1		REUSE PANEL FOR No. 13
	13	R3-18								* ON MAST ARM, USE REMOVED PANEL FROM No. 12
	14	G7 (Brewster Ave)	96 x 18							* ON MAST ARM
	15	R3-4						1		REUSE PANEL FOR No. 16
	16	R3-4				1				ON SIGNAL POLE, USE REMOVED PANEL FROM No. 15
S-11	1	R3-4						1		REUSE PANEL FOR No. 2
	2	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 1
	3	G7 (Broadway)	72 x 18							* ON MAST ARM
	4	G7 (Broadway)	72 x 18							* ON MAST ARM
	5	R3-4						1		REUSE PANEL FOR No. 6
	6	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 5
	7	R6-1 (Lt)						1		REUSE PANEL FOR No. 8
	8	R6-1 (Lt)		11.5	1					USE REMOVED PANEL FROM No. 7
	9	R6-1 (Rt)						1		REUSE PANEL FOR No. 13
	10	R3-4						1		REUSE PANEL FOR No. 11
	11	R3-4								* ON MAST ARM, USE REMOVED PANEL FROM No. 10
	12	G7 (James Ave)	84 x 16							* ON MAST ARM
	13	R6-1 (Rt)		11.5	1					USE REMOVED PANEL FROM No. 9
	14	R3-4						1		REUSE PANEL FOR No. 15
	15	R3-4								* ON MAST ARM, USE REMOVED PANEL FROM No. 14
	16	G7 (James Ave)	84 x 16							* ON MAST ARM
S-12	1	R3-4								* ON MAST ARM, USE REMOVED PANEL FROM No. 7
	2	G7 (Jefferson Ave)	96 x 18							* ON MAST ARM
	3	R3-4								* ON MAST ARM, USE REMOVED PANEL FROM No. 8
	4	G7 (Jefferson Ave)	96 x 18							* ON MAST ARM
	5	R6-1 (Rt)						1		REUSE PANEL FOR No. 6
	6	R6-1 (Rt)		11.5	1					USE REMOVED PANEL FROM No. 5
	7	R3-4						1		REUSE PANEL FOR No. 1
	8	R3-4						1		REUSE PANEL FOR No. 3
	9	R6-1 (Rt)						1		REUSE PANEL FOR No. 10
	10	R6-1 (Rt)		11.5	1					USE REMOVED PANEL FROM No. 9
	11	R3-4						1		REUSE PANEL FOR No. 12
	12	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 11
TOTAL					4	5		14		

* INSTALLATION PAID UNDER ELECTRICAL ITEM

SIGN QUANTITIES

SQ-5

REVISED BY	DATE REVISED
SL	7/6/09

CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN
FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC

LAST REVISION DATE PLOTTED => 11-DEC-2009
TIME PLOTTED => 09:14

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmikesl
DGN FILE => 424992oc005.dgn
CU 04242
EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	82	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

Jerilyn L. Struven
No. 49964
Exp. 12-31-10
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

12-7-09
PLANS APPROVAL DATE

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ROADSIDE SIGN INSTALLATION

SHEET No.	SIGN No.	CODE	PANEL SIZE	POST LENGTH	ROADSIDE SIGN	INSTALL SIGN STRAP & SADDLE BRACKET MOUNTED	REMOVE		RELOCATE ROADSIDE SIGN	REMARKS
				4'' x 4''	ONE POST		ROADSIDE SIGN	ROADSIDE SIGN (SSBM)		
			IN x IN	FT	EA					
S-13	1	R3-4						1		REUSE PANEL FOR No. 2
	2	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 1
	3	R3-4						1		REUSE PANEL FOR No. 9
	4	R6-1 (Rt)						1		REUSE PANEL FOR No. 5
	5	R6-1 (Rt)		11.5	1					USE REMOVED PANEL FROM No. 4
	6	R3-4						1		PANEL TO BE DISPOSED
	7	G7 (Roosevelt Ave)	96 x 18							* ON MAST ARM
	8	G7 (Roosevelt Ave)	96 x 18							* ON MAST ARM
	9	R3-4								* ON MAST ARM, USE REMOVED PANEL FROM No. 3
	10	R6-1 (Rt)						1		REUSE PANEL FOR No. 11
	11	R6-1 (Rt)				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 10
	12	R3-4						1		REUSE PANEL FOR No. 13
	13	R3-4								* ON MAST ARM, USE REMOVED PANEL FROM No. 12
	14	G7 (Chestnut St)	84 x 18							* ON MAST ARM
	15	R3-4						1		PANEL TO BE DISPOSED
	16	R3-4						1		REUSE PANEL FOR No. 21
	17	R6-1 (Rt)						1		REUSE PANEL FOR No. 18
	18	R6-1 (Rt)		11.5	1					USE REMOVED PANEL FROM No. 17
	19	G7 (Oak Ave)	66 x 18							* ON MAST ARM
	20	G7 (Oak Ave)	66 x 18							* ON MAST ARM
	21	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 16
S-14	1	G7 (Center St)	72 x 18							* ON MAST ARM
	2	G7 (Center St)	72 x 18							* ON MAST ARM
	3	R3-4						1		REUSE PANEL FOR No. 4
	4	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 3
TOTAL					2	4		10		

* INSTALLATION PAID UNDER ELECTRICAL ITEM

SIGN QUANTITIES

SQ-6

REVISED BY	DATE REVISED
SL	7/6/09

CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN
FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC

LAST REVISION 08-26-09
DATE PLOTTED => 11-DEC-2009
TIME PLOTTED => 09:16

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmikesl
DGN FILE => 424992oc006.dgn
CU 04242
EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	83	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Jerilyn L. Struven
No. 49964
Exp. 12-31-10
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.

ROADSIDE SIGN INSTALLATION

SHEET No.	SIGN No.	CODE	PANEL SIZE	POST LENGTH	ROADSIDE SIGN	INSTALL SIGN STRAP & SADDLE BRACKET MOUNTED	REMOVE		RELOCATE ROADSIDE SIGN	REMARKS
				4'' x 4''	ONE POST		ROADSIDE SIGN	ROADSIDE SIGN (SSBM)		
			IN x IN	FT	EA					
S-15	1	G7 (Oakwood Dr-Dumbarton Ave)	96 x 24							* ON MAST ARM
	2	R3-4						1		REUSE PANEL FOR No. 3
	3	R3-4								* ON MAST ARM, USE REMOVED PANEL FROM No. 2
	4	G7 (Dumbarton Ave-Oakwood Dr)	96 x 24							* ON MAST ARM
	5	R3-4						1		REUSE PANEL FOR No. 6
	6	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 5
S-16	1	G7 (Encinal Ave)						1		REUSE PANEL FOR No. 2
	2	G7 (Encinal Ave)								* ON MAST ARM, USE REMOVED PANEL FROM No. 1
	3	R6-1 (Rt)						1		REUSE PANEL FOR No. 4
	4	R6-1 (Rt)		11.5	1					USE REMOVED PANEL FROM No. 3
	5	G7 (El Camino Real)						1		REUSE PANEL FOR No. 6
	6	G7 (El Camino Real)								* ON MAST ARM, USE REMOVED PANEL FROM No. 5
	7	G7 (Encinal Ave)						1		REUSE PANEL FOR No. 8
	8	G7 (Encinal Ave)								* ON MAST ARM, USE REMOVED PANEL FROM No. 7
	9	R3-4						1		REUSE PANEL FOR No. 10
	10	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 9
S-17	1	G7 (Valparaiso Ave-Glenwood Ave)						1		REUSE PANEL FOR No. 2
	2	G7 (Valparaiso Ave-Glenwood Ave)								* ON MAST ARM, USE REMOVED PANEL FROM No. 1
	3	G7 (Glenwood Ave-Valparaiso Ave)						1		REUSE PANEL FOR No. 4
	4	G7 (Glenwood Ave-Valparaiso Ave)								* ON MAST ARM, USE REMOVED PANEL FROM No. 3
	5	R3-4						1		REUSE PANEL FOR No. 6
	6	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 5
	7	G7 (Oak Grove Ave)						1		REUSE PANEL FOR No. 8
	8	G7 (Oak Grove Ave)								* ON MAST ARM, USE REMOVED PANEL FROM No. 7
	9	R6-1 (Rt)						1		REUSE PANEL FOR No. 10
	10	R6-1 (Rt)		11.5	1					USE REMOVED PANEL FROM No. 9
	11	G7 (Oak Grove Ave)	96 x 18							* ON MAST ARM
	12	R3-4						1		REUSE PANEL FOR No. 13
	13	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 12
		TOTAL			2	4		13		

* INSTALLATION PAID UNDER ELECTRICAL ITEM

SIGN QUANTITIES

SQ-7

REVISED BY	DATE REVISED
SL	7/6/09

CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN
FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC

LAST REVISION: DATE PLOTTED => 10-DEC-2009
08-26-09 TIME PLOTTED => 11:19

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	84	227

REGISTERED CIVIL ENGINEER 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jerilyn L. Struven No. 49964 Exp. 12-31-10 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.

ROADSIDE SIGN INSTALLATION

SHEET No.	SIGN No.	CODE	PANEL SIZE	POST LENGTH 4'' x 4''	ROADSIDE SIGN ONE POST	INSTALL SIGN STRAP & SADDLE BRACKET MOUNTED	REMOVE ROADSIDE SIGN	REMOVE ROADSIDE SIGN (SSBM)	RELOCATE ROADSIDE SIGN	REMARKS
			IN x IN	FT	EA					
S-18	1	G7 (Ravenswood Ave-Menlo Ave)						1		REUSE PANEL FOR No. 2
	2	G7 (Ravenswood Ave-Menlo Ave)								* ON MAST ARM, USE REMOVED PANEL FROM No. 1
	3	R3-4						1		REUSE PANEL FOR No. 4
	4	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 3
	5	R6-1 (Rt)						1		REUSE PANEL FOR No. 6
	6	R6-1 (Rt)		11.5	1					USE REMOVED PANEL FROM No. 5
	7	G7 (Ravenswood Ave-Menlo Ave)						1		REUSE PANEL FOR No. 8
	8	G7 (Ravenswood Ave-Menlo Ave)								* ON MAST ARM, USE REMOVED PANEL FROM No. 7
	9	R3-4						1		REUSE PANEL FOR No. 10
	10	R3-4				1				ON SIGNAL POST, USE REMOVED PANEL FROM No. 9
S-19	1	R6-1 (Rt)						1		REUSE PANEL FOR No. 2
	2	R6-1 (Rt)		11.5	1					USE REMOVED PANEL FROM No. 1
	3	G7 (Roble Ave)						1		REUSE PANEL FOR No. 4
	4	G7 (Roble Ave)								* ON MAST ARM, USE REMOVED PANEL FROM No. 3
	5	G7 (Roble Ave)						1		REUSE PANEL FOR No. 6
	6	G7 (Roble Ave)								* ON MAST ARM, USE REMOVED PANEL FROM No. 5
	7	R6-1 (Lt)						1		REUSE PANEL FOR No. 8
	8	R6-1 (Lt)		11.5	1					USE REMOVED PANEL FROM No. 7
	9	R3-18						1		REUSE PANEL FOR No. 10
	10	R3-18								* ON MAST ARM, USE REMOVED PANEL FROM No. 9
	11	G7 (Middle Ave)						1		REUSE PANEL FOR No. 12
	12	G7 (Middle Ave)								* ON MAST ARM, USE REMOVED PANEL FROM No. 11
TOTAL					3	2		11		
TOTAL FROM SHEET SQ-1					2	9		19	2	
TOTAL FROM SHEET SQ-2						6		14		
TOTAL FROM SHEET SQ-3					4	6		14		
TOTAL FROM SHEET SQ-4					2	5		15		
TOTAL FROM SHEET SQ-5					4	5		14		
TOTAL FROM SHEET SQ-6					2	4		10		
TOTAL FROM SHEET SQ-7					2	4		13		
GRAND TOTAL					19	41		110	2	

* INSTALLATION PAID UNDER ELECTRICAL ITEM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN
REVISED BY: SL
DATE REVISED: 7/6/09

SIGN QUANTITIES

SQ-8

LAST REVISION 08-28-09
DATE PLOTTED => 10-DEC-2009
TIME PLOTTED => 11:19

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	85	227

REGISTERED CIVIL ENGINEER — 8/10/09 DATE

Jerilyn L. Struven, No. 49964, Exp. 12-31-10, CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

12-7-09
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.

SIGN PANEL SUMMARY

SHEET No.	SIGN No.	SIGN CODE	SIGN SIZE	SIGN AREA	SINGLE FACED	DOUBLE FACED	BACKGROUND		LEGEND		PROTECTIVE OVERLAY	ROADSIDE SIGNS SINGLE SHEET	DESCRIPTION
							SHEETING COLOR	RETROTEFLECTIVE ASTM TYPE	SHEETING COLOR	RETROTEFLECTIVE ASTM TYPE	STANDARD	UNFRAMED ALUMINUM 0.063''	
			IN x IN	SQFT								SQFT	
S-1	24	G7	96 x 18	12.00		X	GREEN	III	WHITE	IX	X	12.00	Trousdale Dr
	25	G7	96 x 18	12.00		X	GREEN	III	WHITE	IX	X	12.00	Trousdale Dr
S-2	8	R3-4	24 x 24	4.00	X		WHITE	III	BLACK/RED	III	X	4.00	NO U-TURN SYMBOL
	9	G7	96 x 18	12.00		X	GREEN	III	WHITE	III	X	12.00	Floribunda Ave
	14	G7	96 x 18	12.00		X	GREEN	III	WHITE	IX	X	12.00	Floribunda Ave
	15	G7	96 x 24	16.00		X	GREEN	III	WHITE	IX	X	16.00	Tilton Ave/El Cerrito Ave
	16	G7	96 x 24	16.00		X	GREEN	III	WHITE	IX	X	16.00	El Cerrito Ave/Tilton Ave
S-3	3	G7	96 x 18	12.00		X	GREEN	III	WHITE	IX	X	12.00	Crystal Spring Rd
	7	G7	96 x 18	12.00		X	GREEN	III	WHITE	IX	X	12.00	Crystal Spring Rd
	11	G7	96 x 18	12.00		X	GREEN	III	WHITE	IX	X	12.00	Baldwin Ave
S-4	3	G7	96 x 24	16.00		X	GREEN	III	WHITE	IX	X	16.00	E 3RD Ave/W 3RD Ave
	8	G7	96 x 24	16.00		X	GREEN	III	WHITE	IX	X	16.00	W 3RD Ave/E 3RD Ave
	13	G7	60 x 18	7.50		X	GREEN	III	WHITE	IX	X	7.50	2ND Ave
	14	G7	60 x 18	7.50		X	GREEN	III	WHITE	IX	X	7.50	2ND Ave
	15	G7	96 x 18	12.00		X	GREEN	III	WHITE	IX	X	12.00	El Camino Real
	16	G7	96 x 18	12.00		X	GREEN	III	WHITE	IX	X	12.00	El Camino Real
S-5	3	G7	96 x 24	16.00		X	GREEN	III	WHITE	IX	X	16.00	W 4TH Ave/E 4TH Ave
	7	G7	96 x 24	16.00		X	GREEN	III	WHITE	IX	X	16.00	E 4TH Ave/W 4TH Ave
	13	G7	96 x 24	16.00		X	GREEN	III	WHITE	IX	X	16.00	W 5TH Ave/E 5TH Ave
	19	G7	96 x 24	16.00		X	GREEN	III	WHITE	IX	X	16.00	E 5TH Ave/W 5TH Ave
S-6	3	G7	66 x 18	8.25		X	GREEN	III	WHITE	IX	X	8.25	9TH Ave
	12	G7	66 x 18	8.25		X	GREEN	III	WHITE	IX	X	8.25	9TH Ave
	13	G7	72 x 18	9.00		X	GREEN	III	WHITE	IX	X	9.00	12TH Ave
	14	G7	72 x 18	9.00		X	GREEN	III	WHITE	IX	X	9.00	12TH Ave
S-7	7	G7	84 x 24	14.00		X	GREEN	III	WHITE	IX	X	14.00	Bovet Rd/17TH Ave
	8	G7	84 x 24	14.00		X	GREEN	III	WHITE	IX	X	14.00	17TH Ave/Bovet Rd
	9	G7	96 x 18	12.00		X	GREEN	III	WHITE	IX	X	12.00	Barneson Ave
	10	G7	96 x 18	12.00		X	GREEN	III	WHITE	IX	X	12.00	Barneson Ave
S-8	2	G7	66 x 18	8.25		X	GREEN	III	WHITE	IX	X	8.25	31ST Ave
	5	G7	66 x 18	8.25		X	GREEN	III	WHITE	IX	X	8.25	31ST Ave
	7	G7	66 x 18	8.25		X	GREEN	III	WHITE	IX	X	8.25	37TH Ave
	10	G7	66 x 18	8.25		X	GREEN	III	WHITE	IX	X	8.25	37TH Ave
S-9	5	G7	96 x 18	12.00		X	GREEN	III	WHITE	IX	X	12.00	El Camino Real
	8	G7	90 x 18	11.25		X	GREEN	III	WHITE	IX	X	11.25	Whipple Ave
	15	G7	90 x 18	11.25		X	GREEN	III	WHITE	IX	X	11.25	Whipple Ave
		TOTAL		409.00								409.00	

CALIFORNIA SIGN CODES ARE DESIGNED BY (CA), OTHERWISE FEDERAL CODES ARE SHOWN.

SIGN QUANTITIES
CONTRACTOR FURNISHED SIGNS

CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY — SL — 7/6/09
DATE REVISED
STEPHEN LAU
JERILYN STRUVEN
FUNCTIONAL SUPERVISOR
ROLAND AU-YEUNG
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC

LAST REVISION — DATE PLOTTED => 11-DEC-2009 — TIME PLOTTED => 09:21 — 07-31-09

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmikesl
DGN FILE => 424992oc009.dgn
CU 04242
EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	86	227

REGISTERED CIVIL ENGINEER 8/10/09 DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Jerilyn L. Struven No. 49964 Exp. 12-31-10 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.

SIGN PANEL SUMMARY

SHEET No.	SIGN No.	SIGN CODE	SIGN SIZE IN x IN	SIGN AREA SQFT	SINGLE FACED	DOUBLE FACED	BACKGROUND SHEETING COLOR	BACKGROUND RETROTEFLECTIVE ASTM TYPE	LEGEND SHEETING COLOR	LEGEND RETROTEFLECTIVE ASTM TYPE	PROTECTIVE OVERLAY STANDARD	ROADSIDE SIGNS SINGLE SHEET UNFRAMED ALUMINUM 0.063" SQFT	DESCRIPTION
S-10	3	G7	96 x 18	12.00		X	GREEN	III	WHITE	IX	X	12.00	Hopkins Ave
	6	G7	96 x 18	12.00		X	GREEN	III	WHITE	IX	X	12.00	Hopkins Ave
	9	G7	96 x 18	12.00		X	GREEN	III	WHITE	IX	X	12.00	Brewster Ave
	14	G7	96 x 18	12.00		X	GREEN	III	WHITE	IX	X	12.00	Brewster Ave
S-11	3	G7	72 x 18	9.00		X	GREEN	III	WHITE	IX	X	9.00	Broadway
	4	G7	72 x 18	9.00		X	GREEN	III	WHITE	IX	X	9.00	Broadway
	12	G7	84 x 18	9.33		X	GREEN	III	WHITE	IX	X	9.33	James Ave
	16	G7	84 x 18	9.33		X	GREEN	III	WHITE	IX	X	9.33	James Ave
S-12	2	G7	96 x 18	12.00		X	GREEN	III	WHITE	IX	X	12.00	Jefferson Ave
	4	G7	96 x 18	12.00		X	GREEN	III	WHITE	IX	X	12.00	Jefferson Ave
S-13	7	G7	96 x 18	12.00		X	GREEN	III	WHITE	IX	X	12.00	Roosevelt Ave
	8	G7	96 x 18	12.00		X	GREEN	III	WHITE	IX	X	12.00	Roosevelt Ave
	14	G7	84 x 18	10.50		X	GREEN	III	WHITE	IX	X	10.50	Chestnut St
	19	G7	66 x 18	8.25		X	GREEN	III	WHITE	IX	X	8.25	Oak Ave
	20	G7	66 x 18	8.25		X	GREEN	III	WHITE	IX	X	8.25	Oak Ave
S-14	1	G7	72 x 18	9.00		X	GREEN	III	WHITE	IX	X	9.00	Center St
	2	G7	72 x 18	9.00		X	GREEN	III	WHITE	IX	X	9.00	Center St
S-15	1	G7	96 x 24	16.00		X	GREEN	III	WHITE	IX	X	16.00	Oakwood Dr/Dumbarton Ave
	4	G7	96 x 24	16.00		X	GREEN	III	WHITE	IX	X	16.00	Dumbarton Ave/Oakwood Ave
S-17	11	G7	96 x 18	12.00		X	GREEN	III	WHITE	IX	X	12.00	Oak Grove Ave
SHEET TOTAL				221.66								221.66	
TOTAL FROM SHEET SQ-9				409.00								409.00	
GRAND TOTAL				630.66								630.66	

CALIFORNIA SIGN CODES ARE DESIGNED BY (CA), OTHERWISE FEDERAL CODES ARE SHOWN.

SIGN QUANTITIES
CONTRACTOR FURNISHED SIGNS

SQ-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC

FUNCTIONAL SUPERVISOR: ROLAND AU-YEUNG
CALCULATED-DESIGNED BY: STEPHEN LAU
CHECKED BY: JERILYN STRUVEN
REVISED BY: SL
DATE REVISED: 7/6/09

LAST REVISION 07-31-09
DATE PLOTTED => 11-DEC-2009
TIME PLOTTED => 09:25

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	87	227

8/10/09
REGISTERED CIVIL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
George Gin
No. 61987
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.

REMOVE CONCRETE

SHEET No.	STATION LIMITS	LOCATION	CURB & GUTTER	SIDEWALK	MEDIAN ISLAND	ISLAND
			CY			
L-1	M 115+14 TO 115+80	L†	7.1	15		
	M 115+53 TO 115+85	L†				7.7
	M 115+63 TO 115+78	L†			1.9	
	ML 11+18 TO 11+30	R†			1.1	
	M 117+10 TO 117+30	L†	1.2	0.6		
	M 116+76 TO 116+90	L†				2.5
	M 116+96 TO 117+08				1.8	
L-2	M 235+81 TO 236+27	R†	2			
	M 235+68 TO 235+91	R†				1.7
L-3	M 453+83 TO 455+00	L†	1.8	1.5		
L-4	M 703+40 TO 703+55	L†			2.1	
	M 703+42 TO 703+57	L†				1.9
	M 704+27 TO 705+54	L†				3.6
	M 704+31 TO 705+25	L†	6.4	6.5		
L-5	M 890+49 TO 890+64				1.9	
	M 890+66 TO 890+85					2.1
	M 890+17 TO 890+72	R†	5.5	4.7		
SUBTOTAL			24	28.3	8.8	19.5
TOTAL			80.6			

MINOR CONCRETE (Misc Const)

SHEET No.	STATION LIMITS	LOCATION	CURB & GUTTER TYPE A	CURB RAMP	SIDEWALK	MEDIAN
			CY			
L-1	M 115+14 TO 115+80	L†	10	2.8	20	
	M 115+63 TO 115+67	L†				0.6
	ML 11+27 TO 11+32	R†				0.5
	M 116+87 TO 118+52	L†		1.5		
	M 117+09 TO 117+14					0.5
L-2	M 235+81 TO 236+27	R†	5.6			
L-3	M 453+83 TO 455+00	L†		1.5		
L-4	M 703+40 TO 703+44	L†				0.6
	M 704+31 TO 705+25	L†	6.8	1.4	11.5	
L-5	M 890+16 TO 890+74	R†	5.9	1.4	8	
	M 890+55 TO 890+64					1.4
SUBTOTAL			28.3	8.6	39.5	3.6
TOTAL			80			

ROADWAY QUANTITIES

SHEET No.	STATION LIMITS	LOCATION	ROADWAY EXCAVATION	HMA (TYPE A)	TACK COAT	COLD PLANE AC	CLASS 4 AGGREGATE SUBBASE	CURB RMP DETECTABLE WARNING SURFACE
			CY	TON		SQYD	CY	SQFT
L-1	M 115+53 TO 115+85	L†		36				
	M 115+94 TO 115+80	L†	37				40	
	M 116+75 TO 117+04	L†		12				
	M 115+67 TO 115+78	L†		4				
	M 116+95 TO 117+09	L†, R†		2				
	ML 11+18 TO 11+27	R†		5				
	M 114+90 TO 117+50	L†, R†		487	2.2	4826		66
L-2	M 235+63 TO 236+27	R†		21	0.2	329		
	F 49+89 TO 50+55	L†, R†		33				
L-3	M 453+83 TO 455+00	L†, R†						60
L-4	M 704+31 TO 705+25	L†	13				13	
	M 703+42 TO 703+57	L†		21				
	M 704+25 TO 704+81	L†		28				
	M 703+40 TO 703+46	L†		3				
	M 702+95 TO 705+26	L†, R†		284	1.2	2807		36
L-5	M 890+57 TO 890+87	R†		26				
	M 890+53 TO 890+66	L†, R†		4				
	M 890+29 TO 891+51	L†, R†		101	0.5	1007		48
	E 20+31.87 TO 20+99.5	L†	7				7	
SUBTOTAL			57	1067	4.1	8969	60	210
TOTAL			57	1067	4.1	8969	60	210

SUMMARY OF QUANTITIES

Q-1

CALCULATED-DESIGNED BY: GINA CHOI
CHECKED BY: GEORGE GIN
GC 7/16/09
REVISED BY DATE REVISED
FUNCTIONAL SUPERVISOR: ABOLFAZL EMADZADEH
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

LAST REVISION DATE PLOTTED => 11-DEC-2009
08-26-09 TIME PLOTTED => 09:27

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmikesl
DGN FILE => 424992pa001.dgn
CU 04242
EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	88	227

Kenneth Y. Xu 8/4/09
REGISTERED ELECTRICAL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Kenneth Y. Xu — No. 15219 — Exp 6-30-10 — ELECT — 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.

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GENERAL NOTES

1. NO ABOVE GROUND ELECTRICAL WORK SHALL BE PERFORMED ON ANY SYSTEM WITHIN THE PROJECT SITE UNTIL ALL CONTRACTOR-FURNISHED ELECTRICAL MATERIALS FOR THAT INDIVIDUAL SYSTEM HAVE BEEN TESTED AND DELIVERED TO CONTRACTOR.
2. THE NEUTRAL CONDUCTOR SHALL RUN FROM THE SERVICE EQUIPMENT ENCLOSURE TO THE CONTROLLER CABINET WITHOUT SPLICING TO ANY OTHER NEUTRAL CONDUCTOR.
3. THE CLEARANCE BETWEEN THE BOTTOM OF THE LOWEST CIRCUIT BREAKER AND THE BOTTOM OF THE SERVICE EQUIPMENT ENCLOSURE FOR A TYPE III-A SERIES SHALL BE 24 INCHES MINIMUM.
4. NO OVERHEAD SIGN PANEL SHALL BE INSTALLED UNTIL THE OVERHEAD SIGN LIGHTING IS COMPLETELY OPERATIONAL.
5. WHERE ONE OR MORE TRAFFIC SIGNAL DETECTOR(S) CONSIST OF A SEQUENCE OF 4 LOOPS IN A SINGLE LANE, THE FRONT LOOP CLOSEST TO THE LIMIT LINE OR CROSSWALK SHALL BE LOCATED 1 FOOT FROM THE LINE. THE SET OF 3 LOOPS OR 4 LOOPS ASSIGNED TO THE SAME LOOP DETECTOR LEAD-IN CABLE SHALL BE CONNECTED IN SERIES FOR TRAFFIC SIGNAL SYSTEM ONLY AND NOT FOR RAMP METERING SYSTEM.
6. COLOR CODING OF TRAFFIC SIGNAL CONDUCTOR FOR OVERLAP PHASES, SEE DETAIL A ON SHEET E-51,"CONDUCTOR, POLE AND EQUIPMENT SCHEDULES".
7. WHERE 6 OR MORE 3-INCH CONDUITS ENTER A No. 6 PULL BOX, THE CONDUITS SHALL ENTER AT AN ANGLE NOT GREATER THAN 45-DEGREES FROM THE HORIZONTAL.
8. AT LEAST THREE WORKING DAYS PRIOR TO PERFORMING ANY WORK ON EACH EXISTING SYSTEM, THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF TRANSPORTATION, ELECTRICAL AND SIGNAL MAINTENANCE SUPERINTENDENT, PHONE (415) 330-6500.
9. EMERGENCY VEHICLE DETECTOR SYSTEM WILL BE FURNISHED BY THE CITY.

ABBREVIATIONS

PROPOSED	EXISTING	
VDC	Vdc	VIDEO DETECTION CABLE
VIDS	Vids	VIDEO DETECTION SYSTEM CABLE
CT ID		CALTRANS IDENTIFICATION

PROJECT NOTES

1. INSTALL NEW TYPE III-AF SERVICE EQUIPMENT ENCLOSURE WITH TIME-OF-USE METER. INCLUDE ITEMS (1) TO (10), (18) TO (21) AND (25) PER DETAIL ON SHEET E-112. INSTALL ITEMS (22),(23) AND (24) AS SPARES.
2. ADD 2 DLC, 3#14.
3. REMOVE COUNTDOWN PEDESTRIAN SIGNAL FROM SALVAGED MASTARM SIGNAL. REINSTALL COUNTDOWN PEDESTRIAN SIGNAL ON MASTARM STANDARD.
4. 1½"C, 4 DLC.
5. 2"C, 3 DLC.
6. ADD 3 DLC.
7. EXISTING 2"C, 28#14, 3#8, 1 dlc, 1 evc.
8. 1½"C, 2#6, 2#8.
9. EXISTING 1½"C, 2 dlc.
10. INSTALL NEW TYPE III-AF SERVICE EQUIPMENT ENCLOSURE WITH TIME-OF-USE METER. INCLUDE ITEMS (1) TO (10), (15) TO (21) AND (25) PER DETAIL ON SHEET E-112. INSTALL ITEMS (22) AND (23) AS SPARES.
11. RC 2 dlc. ADD 8 DLC, 6#14.
12. RC 2 dlc. ADD 5 DLC.
13. TO EXISTING ELECTRICAL FACILITIES TO REMAIN IN PLACE.
14. EXISTING 30#14, 3#8, 1 dlc, 1 vdc.
15. RC EXISTING PULL BOX. INSTALL NEW PULL BOX IN PLACE.
16. RS EXISTING 170E CONTROLLER AND MODEM. INSTALL STATE-FURNISHED MODEL 2070 CONTROLLER AND MODEM IN EXISTING CONTROLLER CABINET.
17. EXISTING 2"C, 13#14, 1#10.
18. ADD 2 DLC.
19. ADD 4 DLC.
20. 1½"C, 2 DLC.
21. 1½"C, 2#6.
22. EXISTING 2"C, 22#14, 1#10, 4 dlc.
23. EXISTING 2"C, 17#14, 1#10, 2 dlc.
24. EXISTING 2-3"C, 34#14, 3#10, 2#6, 8 dlc.
25. EXISTING 2"C, 15#14, 1#10.
26. EXISTING 2"C, 17#14, 1#10, 1 dlc.
27. EXISTING 2-3"C, 22#14, 4#8, 1#6, 6 dlc.
28. EXISTING 2"C, 2#8, 13#14, 1#6, 4 dlc.
29. EXISTING 2"C, 2#8, 17#14, 1#6, 2 dlc.
30. EXISTING 2"C, 2#8, 14#14, 1#6, 2 dlc.

ELECTRICAL INDEX, ABBREVIATIONS AND NOTES

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY

E-1

CALCULATED-DESIGNED BY	RAMONA TAITANO-LOUGHRAN	RTL	7/1/09
CHECKED BY	KENNETH XU	REVISED BY	DATE REVISED
FUNCTIONAL SUPERVISOR	LAI HONG CHIU		

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
ELECTRICAL

LAST REVISION DATE PLOTTED => 12-JAN-2010
08-27-09 TIME PLOTTED => 11:13

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trmikesl
DGN FILE => 424992ua001.dgn

CU 04242

EA 249921

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Kenneth Y. Xu 8/4/09
REGISTERED ELECTRICAL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Kenneth Y. Xu No. 15219 Exp 6-30-10 ELECT STATE OF CALIFORNIA

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PROJECT NOTES

31 EXISTING 2"C, 2#8, 10#14, 1#6, 2 dlc.

32 EXISTING 1½"C, 2#8, 3#14, 2#4, 1#6.

33 EXISTING 2-3"C, 44#14, 3#6, 1#8, 6 dlc.

34 EXISTING 2"C, 25#14, 3#8, 3 dlc.

35 EXISTING 2"C, 22#14, 3#8, 3 dlc.

36 EXISTING 2"C, 19#14, 1#8, 3 dlc.

37 EXISTING 2"C, 16#14, 3#8, 2 dlc.

38 EXISTING 2"C, 10#14, 3#8, 2 dlc.

39 EXISTING 2"C, 2#6, 3#8.

40 EXISTING 2"C, 2 dlc, 1 sic.

41 EXISTING 2"C, 6 dlc, 1 sic.

42 EXISTING 2"C, 22#14, 3#8, 3 dlc.

43 EXISTING 2"C, 17#14, 3#8, 2 dlc.

44 EXISTING 2-3"C, 53#14, 2#6, 2#8, 12 dlc, 2 sic.

45 EXISTING 3"C, 19#14, 2#8, 1#8

46 EXISTING 3"C, mt. EXISTING 3"C, 3 dlc, 3 sic.

47 EXISTING 2"C, 19#14, 3#8.

48 EXISTING 2"C, 19#14, 3#8, 1 dlc.

49 EXISTING 2"C, 25#14, 3#8, 1 dlc, 1 evc.

50 RS SIGNALS FROM TYPE 15D.

51 INSTALL 3"C, MT.

52 INSTALL 1½"C, 3#2.

53 SC BY OTHERS.

54 INSTALL NEW TYPE III-AF SERVICE EQUIPMENT ENCLOSURE.

55 FOR WIRING DIAGRAM, SEE SHEET E-112. ITEM No. (1) TO (10), (14), (21) AND (28) TO (30) SHALL BE INCLUDED. INSTALL ITEM No. (22) TO (24) AS SPARES.

56 INSTALL 2"C, 2#8, 3#14, 2#6.

57 EXISTING 2"C, 2#6, 2#8, 3#14.

58 INSTALL NEW STATE-FURNISHED MODEL 2070 CONTROLLER ASSEMBLY (MODEL 332 CABINET). FOR FOUNDATION DETAILS, SEE ES-3C.

59 RE-ROUTE ALL EXISTING CONDUCTORS AND CABLES TO TWO NEW 3" CONDUITS TO NEW CONTROLLER ASSEMBLY. AB EXISTING CONDUITS.

60 RS EXISTING 3-8" SIGNAL HEAD AND BACKPLATE. INSTALL 3-12" SIGNAL HEAD AND BACKPLATE ON MODIFIED SIGNAL MOUNTING.

61 INSTALL 2"C, 3#1/0.

62 EXISTING 2"C, 3#1/0.

63 INSTALL 2"C, 2#2, 2#8, 2#10, 3#14.

64 RC 3#1/0. ADD 2#2, 2#8, 2#10, 3#14.

65 EXISTING 2"C, 2#8, 2#10, 3#14.

66 RC 2#6 (120 V SERVICE TO CONTROLLER). ADD 2#2.

PROJECT NOTES

67 RC EXISTING PULL BOX COVER. INSTALL NEW PULL BOX COVER MARKED "TRAFFIC SIGNAL".

68 EXISTING 1½"C, 3#2.

69 FOR WIRING DIAGRAM, SEE SHEET E-112. ITEM No. (1) TO (10), (14), (18), (19), (21) AND (28) TO (30) SHALL BE INCLUDED. INSTALL ITEM No. (22) TO (24) AS SPARES.

70 INSTALL 2"C, 2#6, 2#8, 2#10, 3#14.

71 EXISTING 2"C, 3#2.

72 RC 3#2. ADD 2#2, 2#8, 2#10, 3#14.

73 INSTALL 2"C, 2#6, 4#8, 3#14.

74 EXISTING 2"C, 2#6, 2#8, 2#10, 3#14.

75 RC EXISTING PULL BOX. INSTALL NEW No. 5 PULL BOX.

76 INSTALL 2"C, 2#6, 2#10, 3#14.

77 RC 2#10 (120 V SERVICE TO CONTROLLER). ADD 2#6.

78 EXISTING 1¼"C, 3#2.

79 RC 2#8 (120 V SERVICE TO CONTROLLER). ADD 2#6.

80 RS EXISTING PEDESTRIAN SIGNAL FACE MODULE. INSTALL NEW LIGHT EMITTING DIODE COUNTDOWN PEDESTRIAN SIGNAL MODULE IN THE EXISTING TYPE A HOUSING.

81 INSTALL NEW LIGHT EMITTING DIODE COUNTDOWN PEDESTRIAN SIGNAL MODULE(S) IN NEW TYPE A HOUSING.

82 EXISTING 1½"C, 4#8, 3#14, 1 dlc.

83 EXISTING 1½"C, 13#14, 2#8, 1#8.

84 INSTALL TYPE 19-2-100 WITH MAS, 30' SMA, 12' LMA, 200 W HPS LUMINAIRE, SV-2-T, SP-1-T AND PPB. INSTALL RELOCATED STREET NAME SIGN.

85 RS EXISTING 1-8" SIGNAL HEAD AND BACKPLATE. INSTALL 1-12" SIGNAL HEAD AND BACKPLATE ON MODIFIED SIGNAL MOUNTING.

86 NOT USED.

87 EXISTING 1½"C, 3#6.

88 RC EXISTING PULL BOX. INSTALL NEW No. 6 PULL BOX.

89 INSTALL STATE-FURNISHED AUDIBLE PEDESTRIAN PUSH BUTTON.

90 INSTALL 2"C, 2#4, 2#8.

91 EXISTING 1½"C, 3#4.

92 INSTALL 1½"C, 3#4.

93 INSTALL 3 SECTION 12" SIGNAL HEAD WITH BACKPLATE.

94 RS EXISTING 2-8" AND 1-12" SIGNAL HEAD AND BACKPLATE. INSTALL 3-12" R, Y AND LEFT GREEN ARROW SIGNAL HEAD AND BACKPLATE ON NEW/MODIFIED SIGNAL MOUNTING.

95 EXISTING 2"C, 1 dlc, RC 1 dlc, ADD 1 DLC.

96 NOT USED.

97 EXISTING 1½"C, 3 dlc, RC 3 dlc, ADD 3 DLC.

98 INSTALL NEW SP-1-T AND PPB WITH SIGN.

99 RS EXISTING SP-1-T. INSTALL NEW SP-2-T AND PPB WITH SIGN.

100 REUSE 2#14 (SPARE) FOR Ø6P. ADD 2#14 FOR PPB (Ø6) AND PPB NEUTRAL.

ELECTRICAL NOTES

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY

E-2

CALCULATED-DESIGNED BY	REVISED BY	RTL	7/1/09
CHECKED BY	DATE REVISED		
RAMONA TAITANO-LOUGHRAN			
KENNETH XU			
FUNCTIONAL SUPERVISOR			
LAI HONG CHIU			

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL
Caltrans

LAST REVISION DATE PLOTTED => 11-JAN-2010
08-27-09 TIME PLOTTED => 12:55

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => trienard DGN FILE => 424992ua002.dgn | CU 04242 | EA 249921

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Kenneth Y. Xu 8/4/09
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12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Kenneth Y. Xu — No. 15219 — Exp 6-30-10 — ELECT — STATE OF CALIFORNIA

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PROJECT NOTES

101 EXISTING 1½"C, 4 dlc, 1 sic.

102 1½"C, 1 DLC.

103 EXISTING 2-4"C, 51#14, 2#8, 2#6, 16 dlc, 4 evc, 3 sic.

104 EXISTING 3½"C, 25#14, 3#8, 8 dlc.

105 EXISTING 2½"C, 5 dlc.

106 EXISTING 3½"C, 23#14, 3#8, 8 dlc, 2 evc, 1 sic.

107 EXISTING 3"C, 19#14, 3#8, 8 dlc, 2 evc, 1 sic.

108 EXISTING 3"C, 13#14, 3#8, 6 dlc, 1 sic.

109 EXISTING 3"C, 6 dlc, 1 sic.

110 EXISTING 3"C, 19#14, 3#8, 4 dlc.

111 EXISTING 2-3"C, 41#14, 6#8, 10 dlc, 1 evc, 1 sic.

112 EXISTING 2-3"C, 41#14, 2#8, 2#6, 10 dlc, 1 evc, 1 sic.

113 EXISTING 2½"C, 14#14, 3#8, 4 dlc.

114 EXISTING 2½"C, 12#14, 1#8, 4 dlc.

115 EXISTING 1½"C, 3 dlc.

116 ADD 6 DLC.

117 INSTALL NEW MODEL 332 CONTROLLER CABINET WITH 2070 CONTROLLER. FOR FOUNDATION DETAILS, SEE ES-3C.

118 EXISTING 2-3"C, 37#14, 3#10, 2#6, 3 dlc. ADD 6#14, 4 DLC.

119 EXISTING 2-3"C, 25#14, 1#10, 2#6, 1 dlc. ADD 6#14.

120 EXISTING 3"C, 41#14, 3#8, 2 dlc. ADD 6#14.

121 EXISTING 3"C, 55#14, 4#8, 4 dlc. ADD 6#14.

122 EXISTING 2-3"C, 55#14, 4#8, 2#6, 4 dlc. ADD 6#14, 8 DLC.

123 EXISTING 2"C, 13#14, 1#10, 1 dlc, 1 vdc.

124 RR EXISTING evd EQUIPMENT FROM SIGNAL STANDARD. REINSTALL AS SHOWN ON PLANS.

125 EXISTING 2"C, 13#14, 1#10, 1 dlc, 2 vdc.

126 EXISTING 2-3"C, 17#14, 1#10, 2#6, 2 dlc, 2 vdc. ADD 6#14, 4 DLC.

127 EXISTING 2"C, 15#14, 1#10, 1 dlc, 1 vdc.

128 EXISTING 2-3"C, 17#14, 1#10, 2#6, 2 dlc, 1 vdc. ADD 6#14, 4 DLC.

129 EXISTING 2-3"C, 32#14, 2#10, 2#6, 2 dlc, 1 vdc. ADD 6#14, 4 DLC.

130 EXISTING 2"C, 14#14, 1#6, 2#8, 1 dlc, 1 Vids.

131 EXISTING 2"C, 15#14, 1#10, 3#8.

132 EXISTING 2"C, 20#14, 1#6, 2#8, 1 dlc.

133 EXISTING 2"C, 17#14, 1#6, 2#8, 1 dlc, 1 Vids.

134 EXISTING 2"C, 1 vids 14#14, 1#6, 2#8.

135 EXISTING 2-3"C, 30#14, 3#6, 2#8, 2 dlc, 2 Vids.

136 REWIRE EXISTING PPB (Ø4) AT CONTROLLER ASSEMBLY.

137 REWIRE EXISTING Ø4P PEDESTRIAL SIGNAL HEAD TO Ø8P AT CONTROLLER ASSEMBLY.

138 REWIRE EXISTING PPB (Ø4) TO (Ø8)PPB AT CONTROLLER ASSEMBLY.

PROJECT NOTES

139 ADD 4 EVC.

140 ADD 3 EVC.

141 EXISTING 2½"C, ADD 1 EVC.

142 EXISTING 2½"C, ADD 2 EVC.

143 EXISTING 3"C, ADD 2 EVC.

144 EXISTING 3"C, ADD 3 EVC.

145 RS EXISTING 200 W hps LUMINAIRE. INSTALL NEW 400 W HPS LUMINAIRE.

146 INSTALL 1-12" RED SIGNAL HEAD AND BACKPLATE.

147 SEE SHEET E-100 FOR MODIFIED TYPE A INSTALLATION DETAILS.

148 ADD 2 EVC.

149 RL EXISTING PPB FROM SALVAGED POLE TO NEW STANDARD.

150 RC EXISTING PULL BOX. INSTALL NEW No. 6(E) PULL BOX.

151 INSTALL 2"C, 2#8, 3#14, 3#6, 2#6.

152 REPLACE EXISTING PEDESTRIAN PUSH BUTTON WITH TYPE C.

153 EXISTING 1½"C, 19#14, 1#8, 1 evc.

154 EXISTING 1½"C, 26#14, 1#8, 1 dlc, 2 evc.

155 EXISTING 2"C, 45#14, 2#8, 2 dlc, 2 evc, 2#6.

156 EXISTING 1½"C, 18#14, 2#6, 1#8, 1 dlc.

157 ADD 3#14.

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY

ELECTRICAL NOTES

E-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL
Caltrans
FUNCTIONAL SUPERVISOR: LAI HONG CHIU
CALCULATED-DESIGNED BY: RAMONA TAITANO-LOUGHRAN
CHECKED BY: KENNETH XU
REVISED BY: RTL
DATE REVISED: 7/1/09

LAST REVISION DATE PLOTTED => 11-JAN-2010
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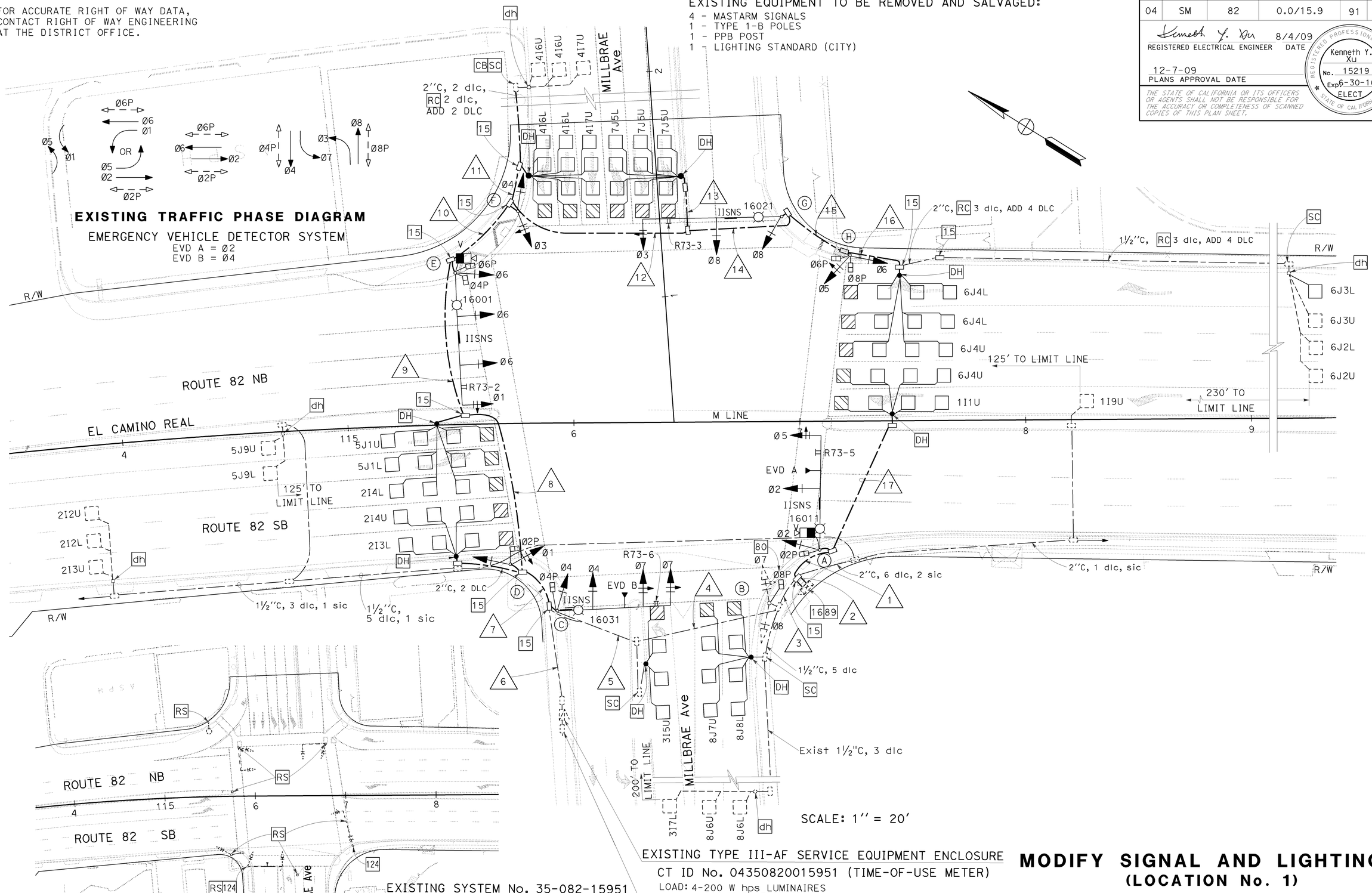
FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

EXISTING EQUIPMENT TO BE REMOVED AND SALVAGED:
4 - MASTARM SIGNALS
1 - TYPE 1-B POLES
1 - PPB POST
1 - LIGHTING STANDARD (CITY)



EXISTING TYPE III-AF SERVICE EQUIPMENT ENCLOSURE
CT ID No. 04350820015951 (TIME-OF-USE METER)
LOAD: 4-200 W hps LUMINAIRES
800 W TRAFFIC SIGNAL

EXISTING SYSTEM No. 35-082-15951
UNDERGROUND SERVICE (120/240 V) PG&E

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY

FOR NOTES SEE SHEET E-1 THRU E-3.
FOR ABBREVIATIONS SEE SHEET E-1.

MODIFY SIGNAL AND LIGHTING
(LOCATION No. 1)
SCALE: AS SHOWN

E-4

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ELECTRICAL

FUNCTIONAL SUPERVISOR: LAI HONG CHIU
CALCULATED-DESIGNED BY: RAMONA TAITANO-LOUGHRAN
CHECKED BY: KENNETH XU
REVISED BY: RTL
DATE REVISED: 7/1/09

LAST REVISION 08-27-09
DATE PLOTTED => 12-JAN-2010
TIME PLOTTED => 10:35

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmikesl
DGN FILE => 424992ua004.dgn
CU 04242
EA 249921

CONDUCTOR SCHEDULE

CONDUCTOR DESIGNATION	NUMBER OF CONDUCTORS — RUN NUMBER 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
No.14 CONDUCTORS																	
Ø1		3	3	3	3		3	3	3								
Ø2	3	6	3	3	3		3										
Ø3		3	3	3	3		3	3	3	3		3		3			
Ø4		3	3	3	3		3	3	3	3							
Ø5	3	6	3	3	3		3	3	3	3		3		3	3		
Ø6		3	3	3	3		3	3	3	3		3		3	3		
Ø7		3	3	3	3												
Ø8		3	3	3	3		3	3	3	3		3		3			
Ø2P	2	4	2	2	2		2										
Ø4P		2	2	2	2		2	2	2								
Ø6P		2	2	2	2		2	2	2	2		2		2	2		
Ø8P		2	2	2	2		2	2	2	2		2		2	2		
PPB (Ø2P)		1	1	1	1		1										
PPB (Ø4P)		1	1	1	1		1	1	1								
PPB (Ø6P)		1	1	1	1		1	1	1	1		1		1			
PPB (Ø8P)	1	2	1	1	1		1	1	1	1		1		1	1		
PPB (COMMON)	1	2	1	1	1		1	1	1	1		1		1	1		
SPARES	3	6	3	3	3		3	3	3	3		3		3	3		
TOTAL No. 14	13	53	40	40	40		37	31	31	25		22		22	15		
No.4 CONDUCTORS																	
IISNS	2		2	2	2	2	2	2	2	2		2		2			
peu						3											
TOTAL No. 4	2		2	2	2	5	2	2	2								
No.6 CONDUCTORS																	
SIGNAL SERVICE		2	2	2	2	2											
TOTAL No. 6		2	2	2	2	2											
No. 8 CONDUCTORS																	
LIGHTING	2		2	2	2	4	2	2	2	2		2		2			
SIGNAL NEUTRAL	1	1	1	1	1		1	1	1	1		1		1	1		
TOTAL No. 8	3	1	3	3	3	4	3	3	3	3		3		3	1		
DETECTOR CABLES																	
1I1U/1I9U	1	2														1	
2I2U/2I2L/2I3U		3															
2I3L		1	1	1	1		1										
2I4L		1	1	1	1		1	1									
2I4U		1	1	1	1		1										
3I5U		1	1	1													
3I7L		1	1														
4I6L		1	1	1	1		1	1	1	1	1						
4I6U		1	1	1	1		1	1	1	1	1						
4I7L		1	1	1	1		1	1	1	1	1						
4I7U		1	1	1	1		1	1	1	1	1						
5J1L/5J1U		2	2	2	2		2	2									
5J9L/5J9U		2															
6J2U		1	1	1	1		1	1	1	1		1		1	1	1	
6J2L		1	1	1	1		1	1	1	1		1		1	1	1	
6J3U/6J3L		2	2	2	2		2	2	2	2		2		2	2	2	
6J4L		1	1	1	1		1	1	1	1		1		1	1	1	
6J4U	1	2	1	1	1		1	1	1	1		1		1	1	1	1
7J5L		1	1	1	1		1	1	1	1		1	1				
7J5U		1	1	1	1		1	1	1	1		1	1				
8J6U/8J6L		2	2														
8J7U		1	1														
8J8L		1	1														
TOTAL DLC	2	28	23	18	17		17	15	12	12	4	8	2	6	6	6	1
EVC	1	2	1	1	1												
CONDUIT SIZE (INCHES)	2	2-3	3	3	3	3	3	3	3	3	2	3	2	3	3	2	2
(E) EXISTING; (N) NEW	N	E	E	E	E	E	N	N	N	N	N	N	N	N	N	N	N

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	92	227

Kenneth Y. Xu 8/4/09
REGISTERED ELECTRICAL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Kenneth Y. Xu — No. 15219 — Exp 6-30-10 — ELECT — 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.

POLE AND EQUIPMENT SCHEDULE

LOCATION	STANDARD TYPE	SMA (FT)	LMA (FT)	VEH SIGNAL MOUNTING MAST ARM	VEH SIGNAL MOUNTING POLE	PED SIGNAL MOUNTING	PPB Ø	HPS LUMINAIRE (WATTS)	SPECIAL REQUIREMENT *
Ⓐ (N)	29-5-100	50	15	2 MAS	SV-1-T	SP-1-T	8	200	IISNS [81] INSTALL R73-5 REINSTALL Exist VIDEO DETECTION CAMERA ON NEW POLE
Ⓑ	1-B				TV-2-T	SP-1-T	2		[80]
Ⓒ (N)	29-5-100	55	15	3 MAS	SV-1-T	SP-1-T	2	200	[81] IISNS
Ⓓ (N)	1-B				TV-2-T	SP-1-T	4		[81]
Ⓔ (N)	61-5-100	60	15	3 MAS	SV-1-T	SP-2-T	4	200	IISNS [81] INSTALL R73-2 REINSTALL Exist VIDEO DETECTION CAMERA ON NEW POLE
Ⓕ (N)	1-B				TV-2-T		6		
Ⓖ (N)	61-5-100	65	15	2 MAS	SV-1-T		6	200	IISNS INSTALL R73-3
Ⓗ (N)	1-B				TV-2-T	SP-2-T	8		[81]

* *OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS, AND STANDARD SPECIFICATIONS. FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN SIGNAL MOUNTING, SEE STANDARD PLANS.*

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY

SIGNAL AND LIGHTING
(CONDUCTOR, POLE AND EQUIPMENT SCHEDULES)
(LOCATION No. 1)

E-5

REVISED BY | DATE REVISED
RAMONA TAITANO-LOUGHRAN | KENNETH XU
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: LAI HONG CHIU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL
Caltrans

LAST REVISION | DATE PLOTTED => 11-JAN-2010
08-21-09 | TIME PLOTTED => 12:55

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trienard
DGN FILE => 424992ua005.dgn

CU 04242 | EA 249921

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	93	227

Kenneth Y. Xu 8/4/09
REGISTERED ELECTRICAL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

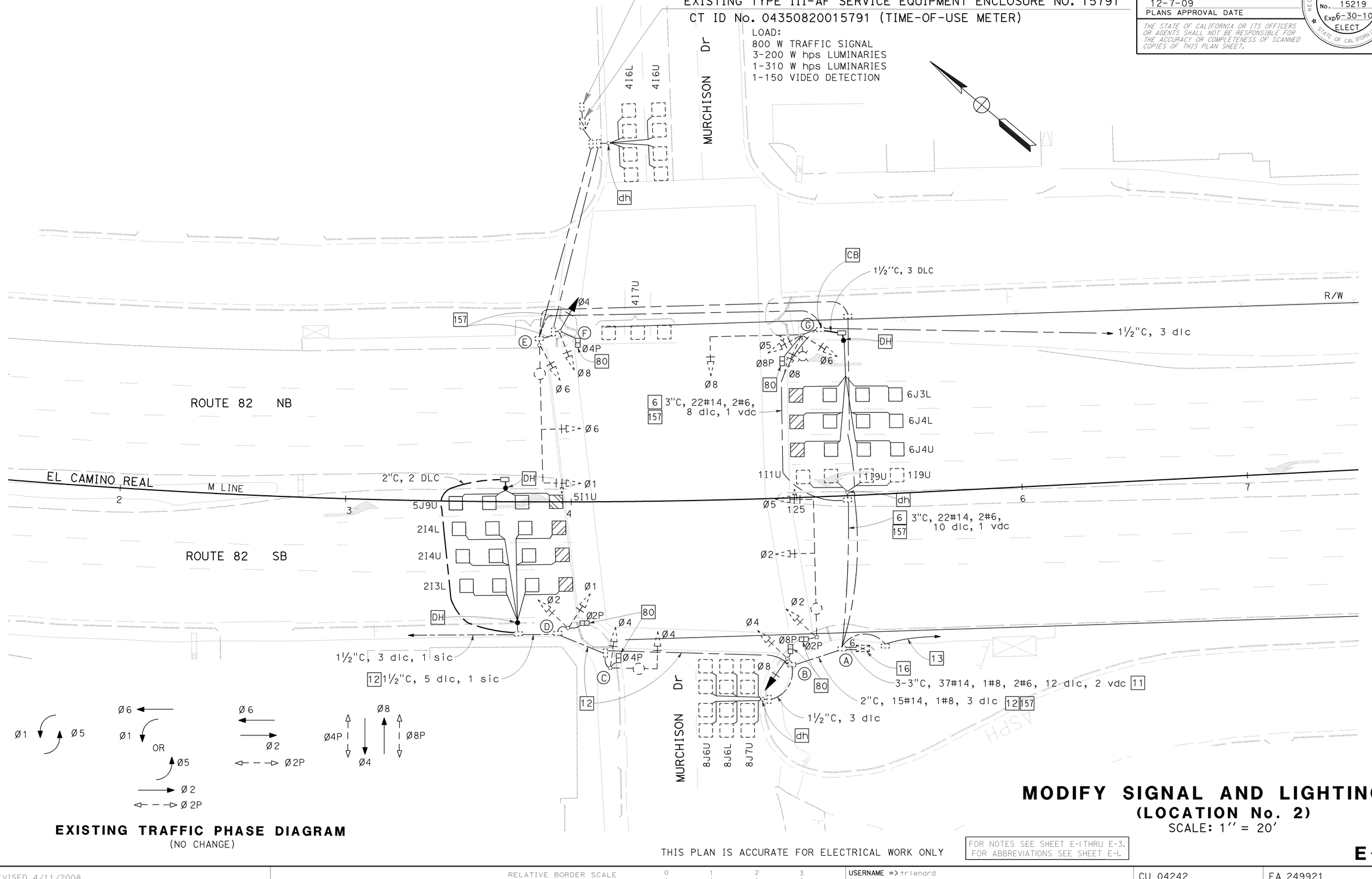
Kenneth Y. Xu No. 15219 Exp 6-30-10 ELECT
REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA

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

EXISTING SYSTEM No. 35-082-15791
UNDERGROUND SERVICE (120/240 V) PG&E

EXISTING TYPE III-AF SERVICE EQUIPMENT ENCLOSURE NO. 15791
CT ID No. 04350820015791 (TIME-OF-USE METER)

LOAD:
800 W TRAFFIC SIGNAL
3-200 W hps LUMINARIES
1-310 W hps LUMINARIES
1-150 VIDEO DETECTION



EXISTING TRAFFIC PHASE DIAGRAM
(NO CHANGE)

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY

FOR NOTES SEE SHEET E-1 THRU E-3.
FOR ABBREVIATIONS SEE SHEET E-1.

MODIFY SIGNAL AND LIGHTING
(LOCATION No. 2)
SCALE: 1'' = 20'

E-6

CALCULATED-DESIGNED BY: RAMONA TAITANO-LOUGHRAN
CHECKED BY: KENNETH XU
FUNCTIONAL SUPERVISOR: LAI HONG CHIU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL
Caltrans

REVISED BY | DATE REVISED

LAST REVISION DATE PLOTTED => 11-JAN-2010
08-07-09 TIME PLOTTED => 12:55

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trienard
DGN FILE => 424992ua006.dgn
CU 04242
EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	94	227

Kenneth Y. Xu 8/4/09
REGISTERED ELECTRICAL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

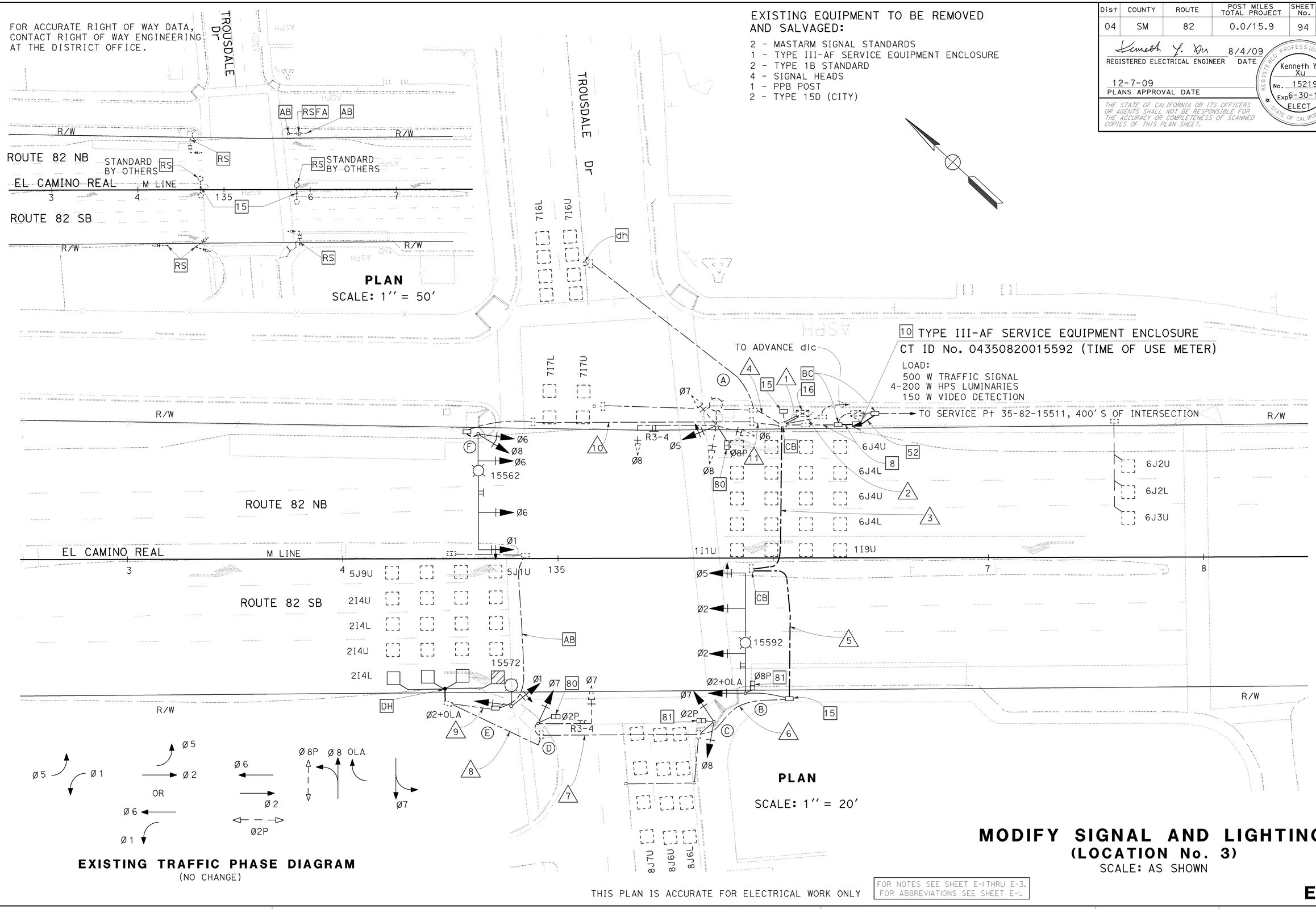
REGISTERED PROFESSIONAL ENGINEER — Kenneth Y. Xu No. 15219 Exp 6-30-10 ELECT — STATE OF CALIFORNIA

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.

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

EXISTING EQUIPMENT TO BE REMOVED AND SALVAGED:

2 - MASTARM SIGNAL STANDARDS
1 - TYPE III-AF SERVICE EQUIPMENT ENCLOSURE
2 - TYPE 1B STANDARD
4 - SIGNAL HEADS
1 - PPB POST
2 - TYPE 15D (CITY)



EXISTING TRAFFIC PHASE DIAGRAM
(NO CHANGE)

MODIFY SIGNAL AND LIGHTING
(LOCATION No. 3)
SCALE: AS SHOWN

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY

FOR NOTES SEE SHEET E-1 THRU E-3.
FOR ABBREVIATIONS SEE SHEET E-1.

E-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL
Caltrans
FUNCTIONAL SUPERVISOR: LAI HONG CHIU
CALCULATED-DESIGNED BY: RAMONA TAITANO-LOUGHRAN
CHECKED BY: KENNETH XU
REVISED BY: RTL
DATE REVISED: 7/1/09
LAST REVISION DATE PLOTTED => 11-JAN-2010
TIME PLOTTED => 08-07-09 12:55

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trlenard
DGN FILE => 424992ua007.dgn
CU 04242
EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	95	227

Kenneth Y. Xu 8/4/09
REGISTERED ELECTRICAL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Kenneth Y. Xu
No. 15219
Exp. 6-30-10
ELECT
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.

CONDUCTOR SCHEDULE

CONDUCTOR DESIGNATION	NUMBER OF CONDUCTORS — RUN NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
No. 14 CONDUCTORS											
Ø1	6		3		3	3	3	3	3	3	3
Ø2	3		3		3	3	3	3	3		
Ø5	6		3		3						3
Ø6	3									3	3
Ø7	6		3		3	3	3				3
Ø8	6		3		3	3				3	3
OLA	3		3		3	3	3	3	3		
Ø2 P	2		2		2	2	2				
Ø8 P	2		2		2						2
Ø2 PPB	1		1		1	1	1				
Ø8 PPB	2		1		1						1
PPB COMMON	2		1		1	1	1				1
SPARES	9		3		3	3	3	3	3	3	3
TOTAL No. 14 CONDUCTORS	51		28		28	22	19	12	12	12	22
No. 6 CONDUCTORS											
PEU											3
SIGNAL SERVICE	2										
TOTAL No. 6 CONDUCTORS	2										3
No. 8 CONDUCTORS											
LIGHTING			2		2	2	2	2	2	2	2
SIGNAL NEUTRAL	2		1		1	1	1	1	1	1	1
TOTAL No. 8 CONDUCTORS	2		3		3	3	3	3	3	3	3
DETECTOR CABLES											
1I1U/1I9U	2		2								
2I2U	1		1		1	1	1	1			
2I2L	1		1		1	1	1	1			
2J3U	1		1		1	1	1	1			
2I4L	1		1		1	1	1	1			
2I4U	1		1		1	1	1	1			
5J1U/5J9U	2		2		2	2	2	2			
6J2U	1	1									
6J2L	1	1									
6J3U	1	1									
6J4U	1										
6J4L	1										
7I7U	1			1							
7I7L	1			1							
7I6L	1			1							
7I6U	1			1							
8J6L	1		1		1	1					
8J6U	1		1		1	1					
8J7U	1		1		1	1					
8J7L	1		1		1	1					
8J8U	1		1		1	1					
8J8L	1		1		1	1					
TOTAL DLC	25	3	15	4	13	13	7	7			
CONDUIT SIZE (INCHES)	2-3	3	3	1½	3	3	3	2	1½	3	1½
(E) EXISTING; (N) NEW	E	E	N	E	N	E	E	E	E	E	E

POLE AND EQUIPMENT SCHEDULE

LOCATION	STANDARD TYPE	SMA (FT)	LMA (FT)	VEH SIGNAL MOUNTING MAST ARM	VEH SIGNAL MOUNTING POLE	PED SIGNAL MOUNTING	PPB Ø	HPS LUMINAIRE (WATTS)	SPECIAL REQUIREMENT *
(A)	26-3-100	40	15	MAS	SV-3-T	SP-1-T	8	200	[80] ADD Ø5 SIGNAL HEAD
(B) (N)	29A-5-100	55	15	3 MAS	SV-1-T	SP-1-T	8	200	INSTALL COUNTDOWN PED SIGNAL INSTALL STREET NAME SIGN LABELED TROUSDALE Dr
(C) (N)	1-B				TV-2-T	SP-1-T	2		INSTALL COUNTDOWN PED SIGNAL
(D)	18-2-100	30		MAS	SV-1-T	SP-1-T	2		[80] ADD Ø7 SIGNAL HEAD
(E) (N)	15TS				SV-2-T			200	
(F) (N)	29A-5-100	55	15	3 MAS	SV-2-T			200	INSTALL STREET NAME SIGN LABELED TROUSDALE Dr

** OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS, AND STANDARD SPECIFICATIONS. FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN SIGNAL MOUNTING, SEE STANDARD PLANS.*

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY

SIGNAL AND LIGHTING
(CONDUCTOR, POLE AND EQUIPMENT SCHEDULES)
(LOCATION No. 3)

E-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
ELECTRICAL
FUNCTIONAL SUPERVISOR: LAI HONG CHIU
CALCULATED-DESIGNED BY: RAMONA TAITANO-LOUGHRAN
CHECKED BY: KENNETH XU
REVISED BY: RTL
DATE REVISED: 7/1/09
LAST REVISION: 08-28-09
DATE PLOTTED => 11-JAN-2010
TIME PLOTTED => 12:55
BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trlenard
DGN FILE => 424992ua008.dgn
CU 04242
EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	96	227

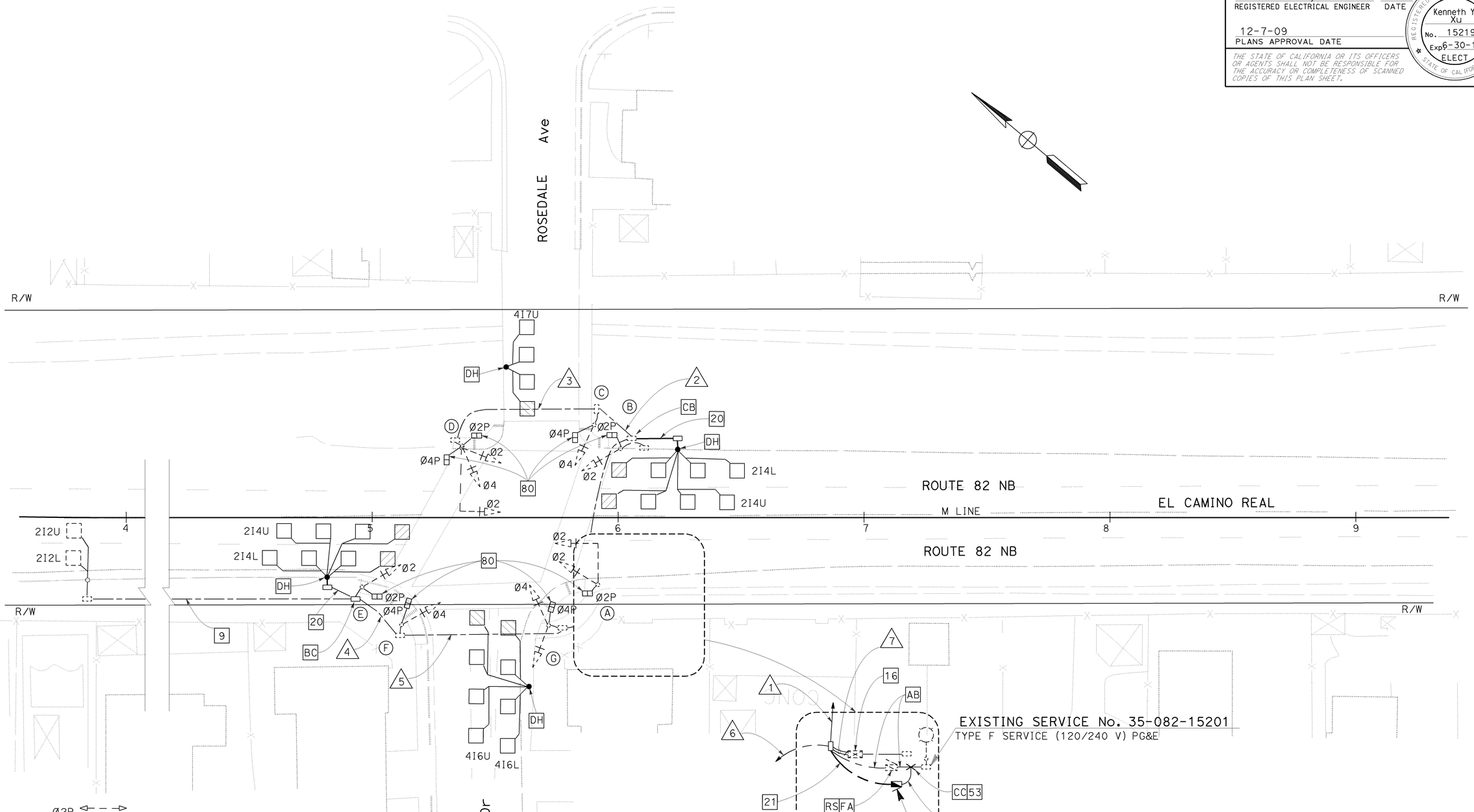
Kenneth Y. Xu 8/4/09
REGISTERED ELECTRICAL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Kenneth Y. Xu
No. 15219
Exp. 6-30-10
ELECT
STATE OF CALIFORNIA

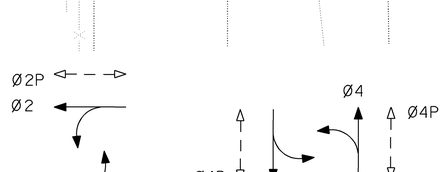
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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



1 TYPE III-AF SERVICE EQUIPMENT ENCLOSURE
CT ID No. 04350820015201 (TIME OF USE METER)

LOAD:
2100 W TRAFFIC SIGNAL
1-150 VIDEO DETECTION



EXISTING TRAFFIC PHASE DIAGRAM
(NO CHANGE)

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY

FOR NOTES SEE SHEET E-1 THRU E-3.
FOR ABBREVIATIONS SEE SHEET E-1.

MODIFY SIGNAL AND LIGHTING
(LOCATION No. 4)
SCALE: 1'' = 20'

E-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ELECTRICAL

FUNCTIONAL SUPERVISOR: LAI HONG CHIU
CALCULATED-DESIGNED BY: RAMONA TAITANO-LOUGHRAN
CHECKED BY: KENNETH XU
REVISED BY: RTL
DATE REVISED: 7/1/09

LAST REVISION 08-27-09
DATE PLOTTED => 11-JAN-2010
TIME PLOTTED => 12:55

CONDUCTOR SCHEDULE

CONDUCTOR DESIGNATION	NUMBER OF CONDUCTORS — RUN NUMBER 1	2	3	4	5	6	7
No. 14 CONDUCTORS							
Ø2	3	3	3	3	3	3	9
Ø4	3	3	3		3	3	6
Ø2P	2	2	2	2	2	2	6
Ø4P	2	2	2		2	2	4
PPB (Ø4)	1	1	1	1	1	1	3
PPB COMMON	1	1	1	1	1	1	3
SPARES	5	5	5	3	3	3	8
TOTAL No. 14 CONDUCTORS	17	17	17	10	15	15	39
No. 10 CONDUCTORS							
SIGNAL NEUTRAL	1	1	1	1	1	1	3
TOTAL No. 10 CONDUCTORS	1	1	1	1	1	1	3
No. 6 CONDUCTORS							
SIGNAL SERVICE							2
TOTAL No. 6 CONDUCTORS							2
DLC							
2I2L				1	1	1	1
2I2U				1	1	1	1
2I4L (N)	1			1	1	1	2
2I4U (N)	1			1	1	1	2
4I7U (N)	1	1	1				1
4I6U / 4I6L (N)						2	2
TOTAL DLC	3	1	1	4	4	6	9
CONDUIT SIZE (INCHES)	2	2	2	2	2	2	2-3
(E) EXISTING; (N) NEW	E	E	E	E	E	E	E

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	97	227

Kenneth Y. Xu 8/4/09
REGISTERED ELECTRICAL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Kenneth Y. Xu — No. 15219 — Exp 6-30-10 — ELECT — 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.

POLE AND EQUIPMENT SCHEDULE

LOCATION	STANDARD TYPE	SMA (FT)	LMA (FT)	VEH SIGNAL MOUNTING MAST ARM	VEH SIGNAL MOUNTING POLE	PED SIGNAL MOUNTING	PPB Ø	HPS LUMINAIRE (WATTS)	SPECIAL REQUIREMENT *
(A)	18-4-70	20		MAS	SV-1-T	SP-1-T	4		80
(B)	1-B				TV-1-T	SP-1-T	4		80
(C)	1-B				TV-1-T	SP-1-T	2		80
(D)	18-4-70	20		MAS	SV-2-T	SP-2-T	2/4		80
(E)	1-B				TV-1-T	SP-1-T	4		80
(F)	1-B				TV-1-T	SP-1-T	2		80
(G)	1-B				TV-2-T	SP-1-T	2		80

* - *OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS, AND STANDARD SPECIFICATIONS. FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN SIGNAL MOUNTING, SEE STANDARD PLANS.*

* - *ALL POLES EXISTING.*

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY

SIGNAL AND LIGHTING
(CONDUCTOR, POLE AND EQUIPMENT SCHEDULES)
(LOCATION No. 4)

E-10

REVISED BY	DATE REVISED
RTL	7/1/09

CALCULATED-DESIGNED BY: RAMONA TAITANO-LOUGHRAN
CHECKED BY: KENNETH XU
FUNCTIONAL SUPERVISOR: LAI HONG CHIU

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® ELECTRICAL

LAST REVISION DATE PLOTTED => 11-JAN-2010
TIME PLOTTED => 12:55
04-11-09

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trlenard
DGN FILE => 424992ua010.dgn

CU 04242 EA 249921

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

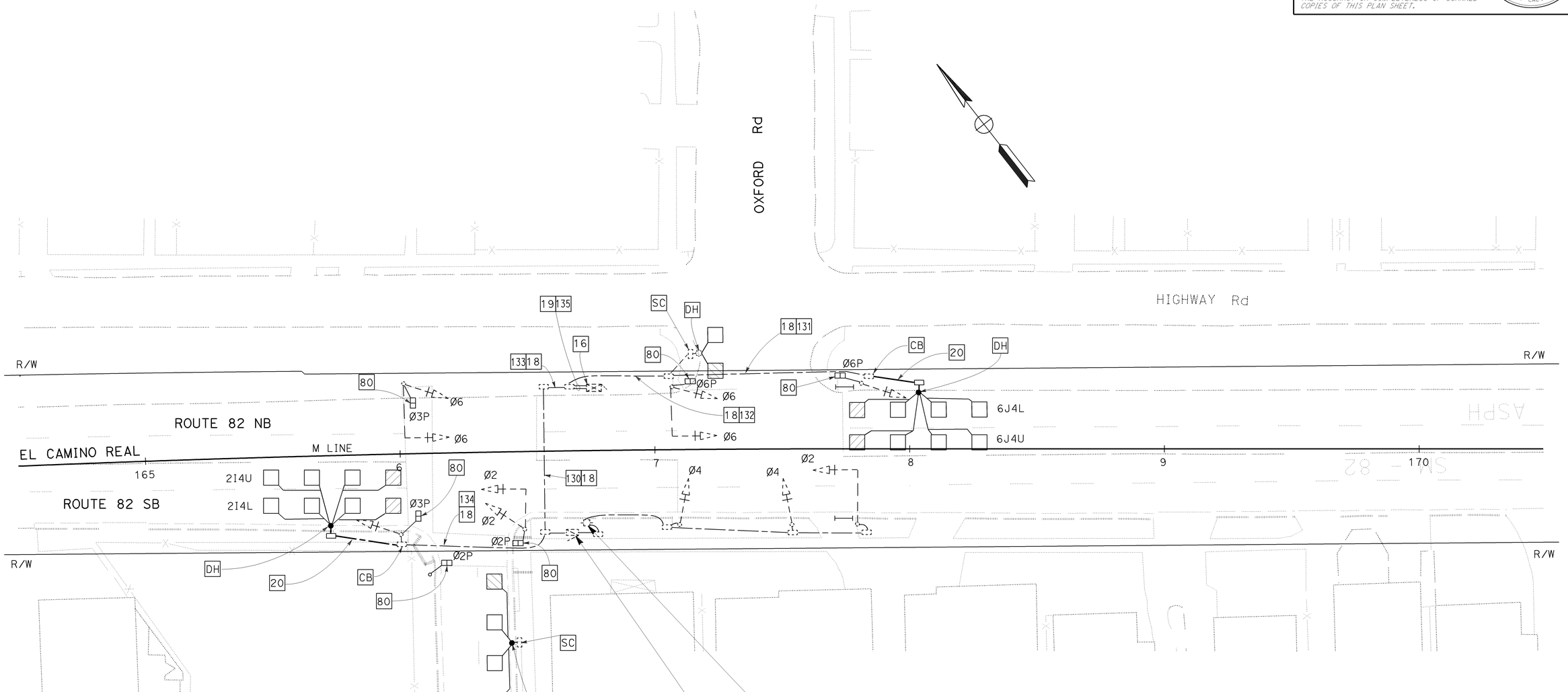
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	98	227

Kenneth Y. Xu 8/4/09
REGISTERED ELECTRICAL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Kenneth Y. Xu
No. 15219
Exp 6-30-10
ELECT
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.



Ø6P
Ø6
Ø2
Ø2P
Ø3P
Ø3
Ø4

EXISTING TRAFFIC PHASE DIAGRAM
(NO CHANGE)

EXISTING SYSTEM No. 35-082-14991
TYPE H SERVICE (120/240 V) PG&E

EXISTING TYPE III-AF SERVICE EQUIPMENT ENCLOSURE
CT ID No. 04350820014991 (TIME OF USE METER)
LOAD:
3-310 W hps LUMINAIRE
3-200 W hps LUMINAIRE
3000 W TRAFFIC SIGNAL
150 W VIDEO DETECTION

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY

FOR NOTES SEE SHEET E-1THRU E-3.
FOR ABBREVIATIONS SEE SHEET E-1.

MODIFY SIGNAL AND LIGHTING
(LOCATION No. 5)
SCALE: 1'' = 20'

E-11

CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED
RAMONA TAITANO-LOUGHRAN	KENNETH XU	RTL	7/1/09

FUNCTIONAL SUPERVISOR: LAI HONG CHIU

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL
Caltrans

LAST REVISION DATE PLOTTED => 12-JAN-2010
TIME PLOTTED => 10:35

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

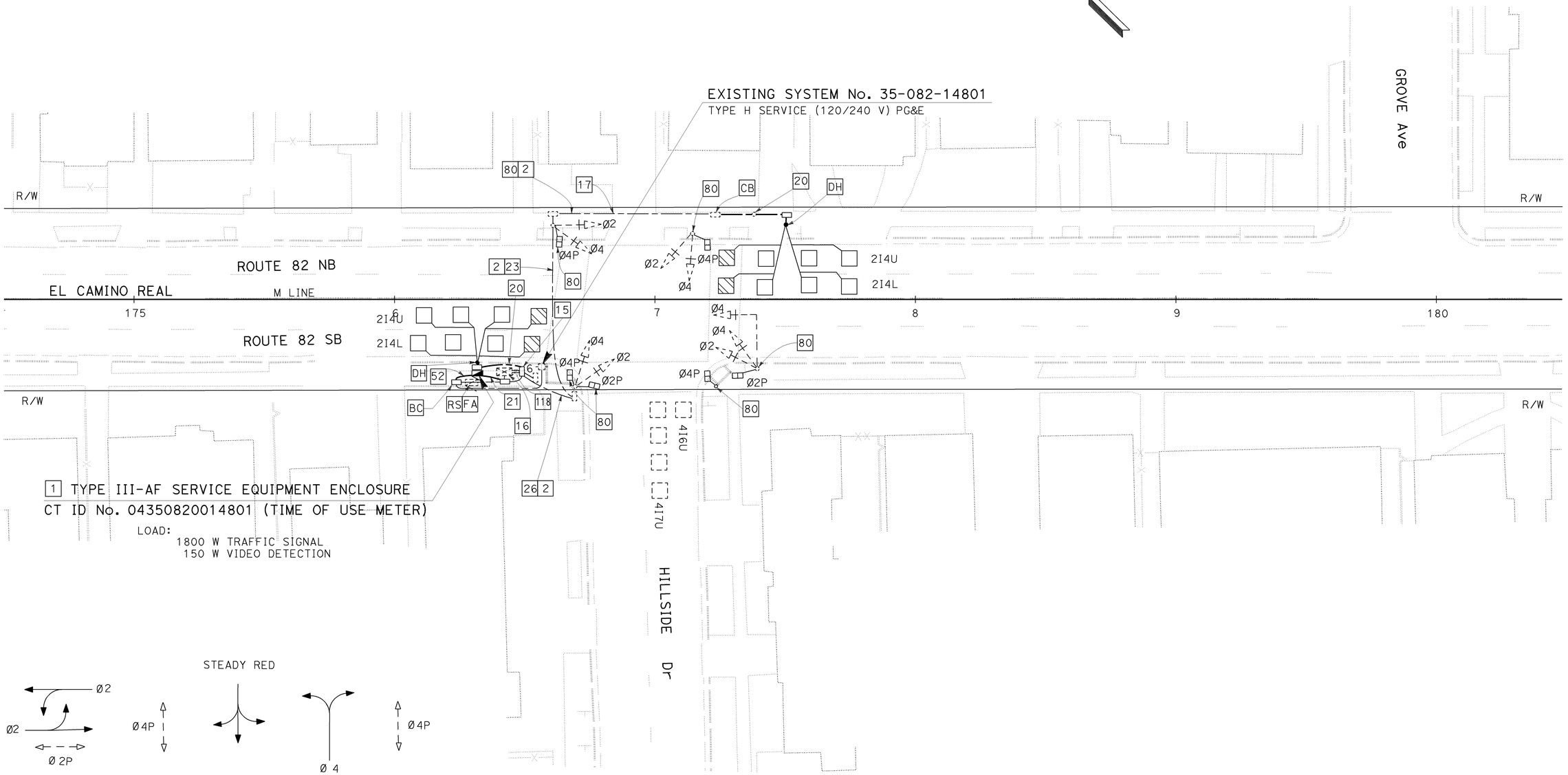
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	99	227

Kenneth Y. Xu 8/4/09
REGISTERED ELECTRICAL ENGINEER DATE

12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Kenneth Y. Xu
No. 15219
Exp 6-30-10
ELECT
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.



EXISTING TRAFFIC PHASE DIAGRAM
(NO CHANGE)

MODIFY SIGNAL AND LIGHTING
(LOCATION No. 6)
SCALE: 1'' = 20'

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY

FOR NOTES SEE SHEET E-1 THRU E-3.
FOR ABBREVIATIONS SEE SHEET E-1.

E-12

LAST REVISION 08-21-09
DATE PLOTTED => 11-JAN-2010
TIME PLOTTED => 12:56

CALCULATED-DESIGNED BY: RAMONA TAITANO-LOUGHRAN
CHECKED BY: KENNETH XU
FUNCTIONAL SUPERVISOR: LAI HONG CHIU
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL
Caltrans

REVISED BY | DATE REVISED

BORDER LAST REVISED 4/11/2008

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

USERNAME => trlenard
DGN FILE => 424992ua012.dgn

CU 04242

EA 249921

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	82	0.0/15.9	100	227

Kenneth Y. Xu 8/4/09
REGISTERED ELECTRICAL ENGINEER DATE

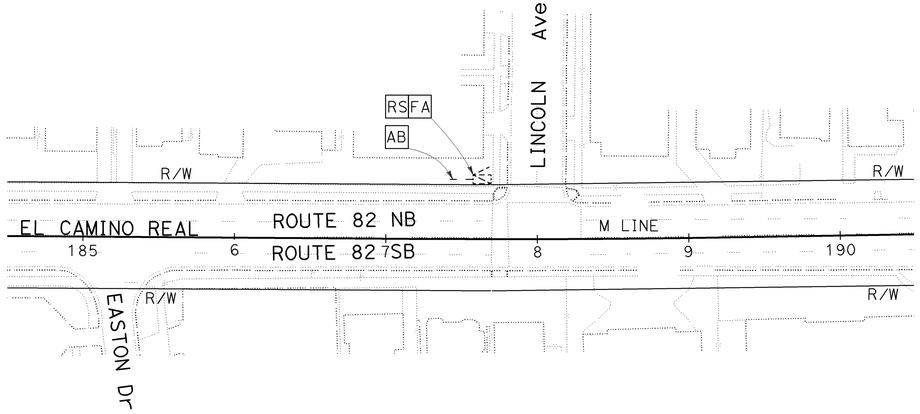
12-7-09
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Kenneth Y. Xu — No. 15219 — Exp 6-30-10 — ELECT — STATE OF CALIFORNIA

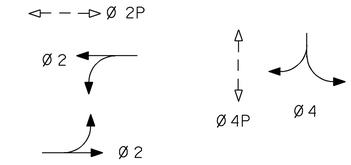
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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

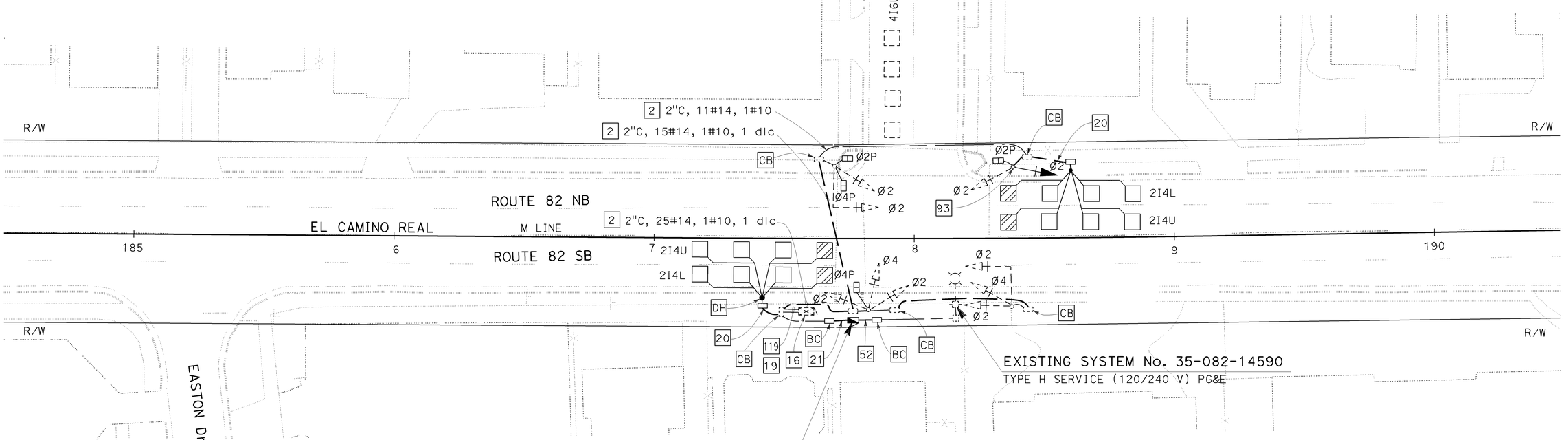
EXISTING EQUIPMENT TO BE REMOVED AND SALVAGED:
1 - TYPE III-AF SERVICE EQUIPMENT ENCLOSURE



SCALE: 1'' = 50'



EXISTING TRAFFIC PHASE DIAGRAM



EXISTING SYSTEM No. 35-082-14590
TYPE H SERVICE (120/240 V) PG&E

1 TYPE III-AF SERVICE EQUIPMENT ENCLOSURE
CT ID No. 04350820014590 (TIME OF USE METER)

SCALE: 1'' = 20'

LOAD:
1840 W TRAFFIC SIGNAL
150 W VIDEO DETECTION

MODIFY SIGNAL AND LIGHTING
(LOCATION No. 7)
SCALE: AS SHOWN

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.

FOR NOTES SEE SHEET E-1 THRU E-3.
FOR ABBREVIATIONS SEE SHEET E-1.

E-13

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL
FUNCTIONAL SUPERVISOR: LAI HONG CHIU
CALCULATED-DESIGNED BY: RAMONA TAITANO-LOUGHRAN
CHECKED BY: KENNETH XU
REVISED BY: RTL
DATE REVISED: 7/1/09

LAST REVISION DATE PLOTTED => 11-JAN-2010
TIME PLOTTED => 10:20

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trmnguye
DGN FILE => 424992ua013.dgn
CU 04242
EA 249921