Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	1	33

ACSTP-P070(127)E

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY

IN PLUMAS COUNTY IN AND NEAR QUINCY FROM 0.1 MILE EAST OF OLD COUNTY ROAD TO 0.2 MILE EAST OF ELM STREET

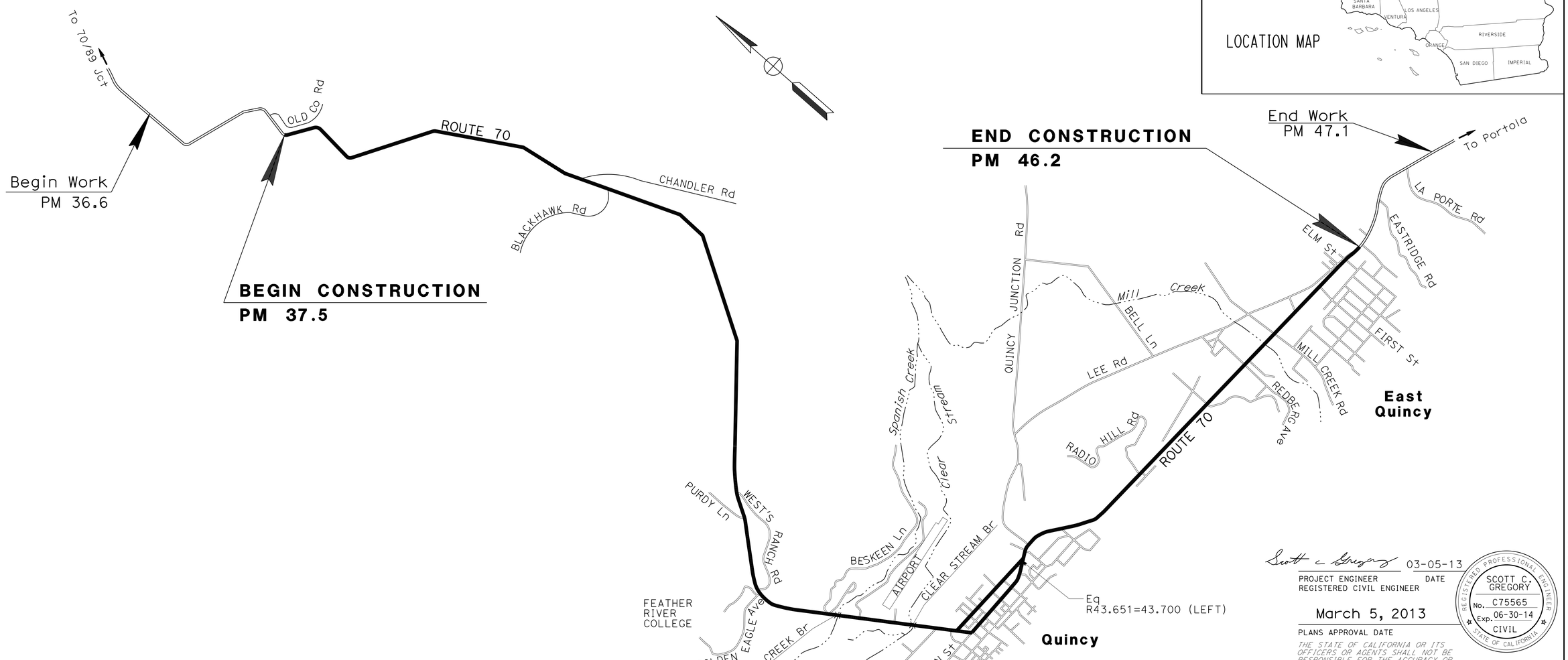
TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE
2	TYPICAL CROSS SECTIONS
3-10	LAYOUT
11-12	CONSTRUCTION DETAILS
13	CONSTRUCTION AREA SIGNS
14	PAVEMENT DELIGNEATION DETAILS
15-18	PAVEMENT DELIGNEATION QUANTITIES
19-21	SUMMARY OF QUANTITIES
22	MODIFY TRAFFIC COUNT STATION
23-24	MODIFY SIGNAL
25	ELECTRICAL QUANTITIES
26-29	TRAFFIC CONTROL SYSTEM
30-33	REVISED STANDARD PLANS

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

LOCATION MAP



NO SCALE

Scott C. Gregory 03-05-13
PROJECT ENGINEER REGISTERED CIVIL ENGINEER DATE

March 5, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SCOTT C. GREGORY No. C75565 Exp. 06-30-14 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.

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

PROJECT MANAGER	DESIGN ENGINEER
LANCE BROWN	LANCE BROWN

P:\proj\02\4E980_plans\pse\24e980ab001.dgn

CONTRACT No.	02-4E9804
PROJECT ID	0212000115

LAST REVISION 03-05-13 | DATE PLOTTED => 28-MAR-2013 | TIME PLOTTED => 09:56

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	2	33

REGISTERED CIVIL ENGINEER 03-05-13 DATE

03-05-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SCOTT C. GREGORY No. C75565 Exp. 06-30-14 CIVIL STATE OF CALIFORNIA

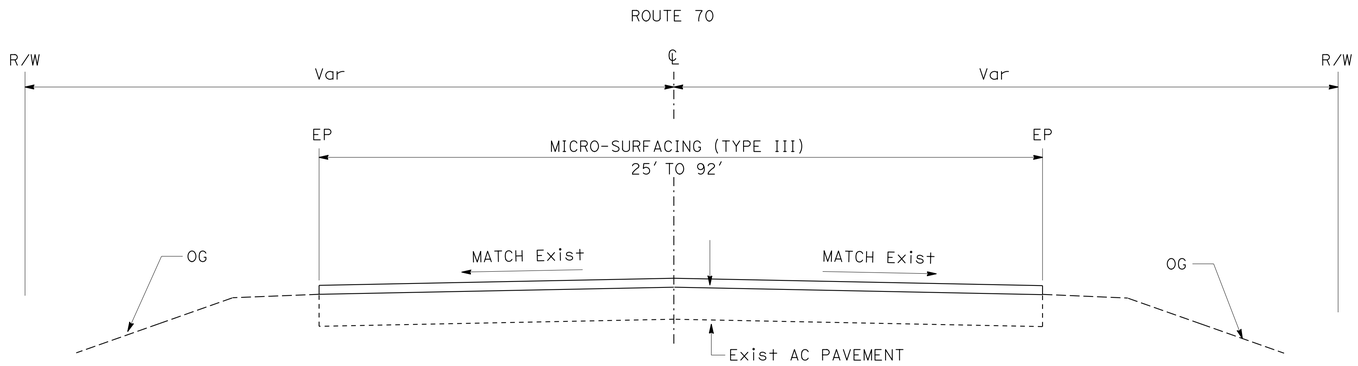
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

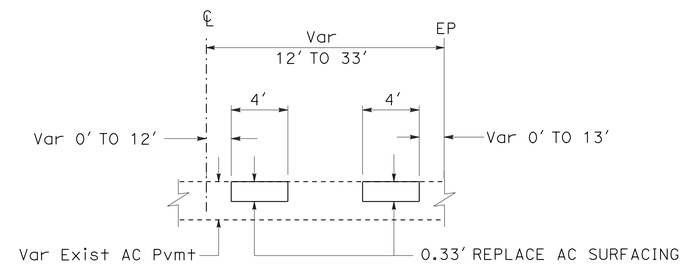
1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. EXISTING UTILITY FACILITY INFORMATION IS INCOMPLETE.
3. FOR ACCURATE RIGHT OF WAY DATA, CONTACT R/W ENGINEERING AT THE DISTRICT OFFICE.

LEGEND:

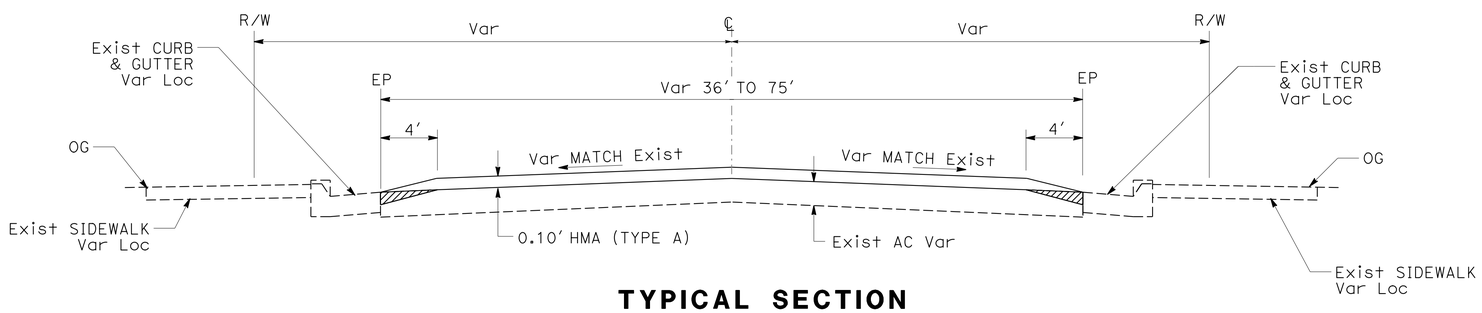
COLD PLANE ASPHALT CONCRETE PAVEMENT (0.00' TO 0.10')



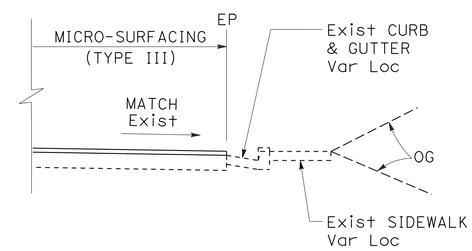
TYPICAL CROSS SECTION
PM 37.50 TO 42.98
PM 43.80 TO 46.20



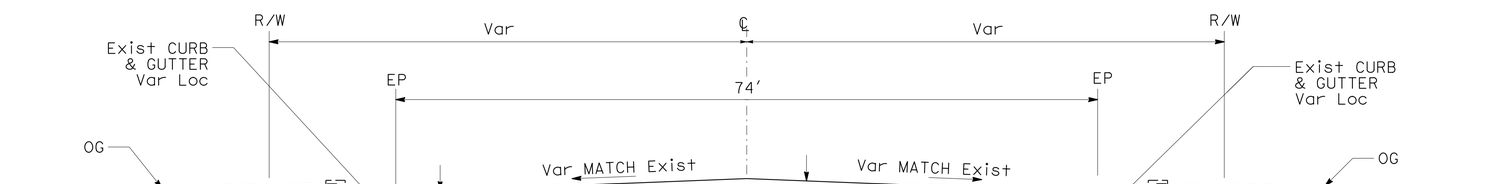
REPLACE AC SURFACING
(TYPICAL BOTH DIRECTIONS)
PM 37.50 TO 46.20



TYPICAL SECTION
PM 43.04 TO 43.70



TYPICAL SHOULDER
PM 42.90 TO 42.98
PM R43.80 TO 46.00



TYPICAL SECTION
PM 42.98 TO 43.04
PM 43.70 TO 43.80

TYPICAL CROSS SECTIONS
NO SCALE

X-1

REVISED BY | DATE REVISED
SCOTT GREGORY | DENISE FUZERE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | LANCE BROWN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

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LAST REVISION 03-05-13 | DATE PLOTTED => 28-MAR-2013 | TIME PLOTTED => 09:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	3	33

REGISTERED CIVIL ENGINEER DATE 03-05-13

PLANS APPROVAL DATE 03-05-13

REGISTERED PROFESSIONAL ENGINEER SCOTT C. GREGORY No. C75565 Exp. 06-30-14 CIVIL STATE OF CALIFORNIA

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

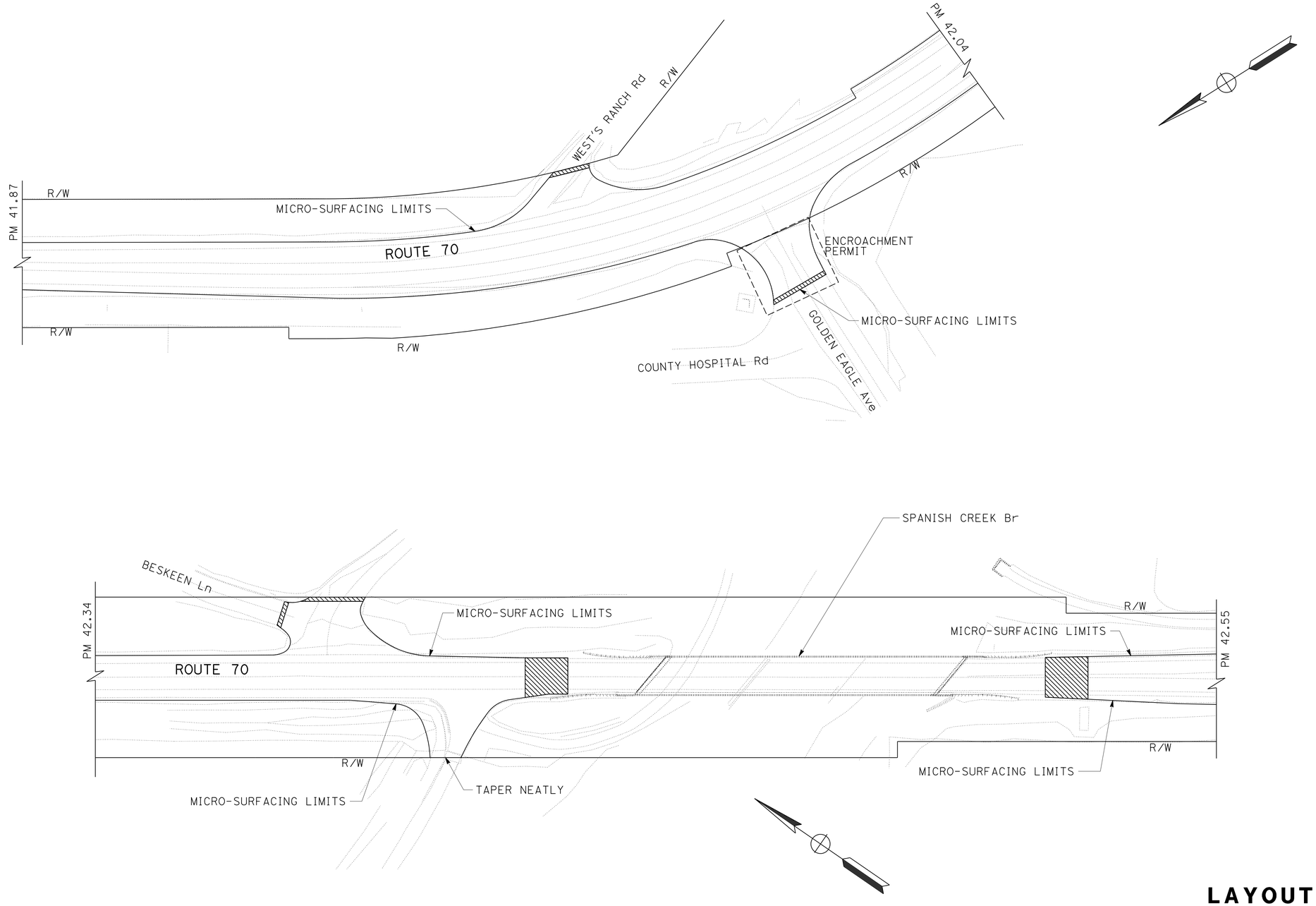
NOTES:

1. FOR ACCURATE R/W DATA, CONTACT R/W ENGINEERING AT DISTRICT OFFICE.
2. EXISTING UTILITY FACILITY INFORMATION IS INCOMPLETE.
3. SEE CONSTRUCTION DETAILS FOR ROAD CONNECTIONS AND CONFORM TAPERS.

LEGEND:

COLD PLANE ASPHALT CONCRETE PAVEMENT (0.00' TO 0.10')

COLD PLANE ASPHALT CONCRETE PAVEMENT (0.00' TO 0.04')



LAYOUT

SCALE: 1" = 50'

L-1

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
SCOTT GREGORY	DENISE FUZERE

FUNCTIONAL SUPERVISOR: LANCE BROWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans MAINTENANCE

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LAST REVISION 03-05-13 | DATE PLOTTED => 28-MAR-2013 | TIME PLOTTED => 09:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	4	33

Scott C. Gregory 03-05-13
REGISTERED CIVIL ENGINEER DATE

03-05-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT C. GREGORY
No. C75565
Exp. 06-30-14
CIVIL
STATE OF CALIFORNIA

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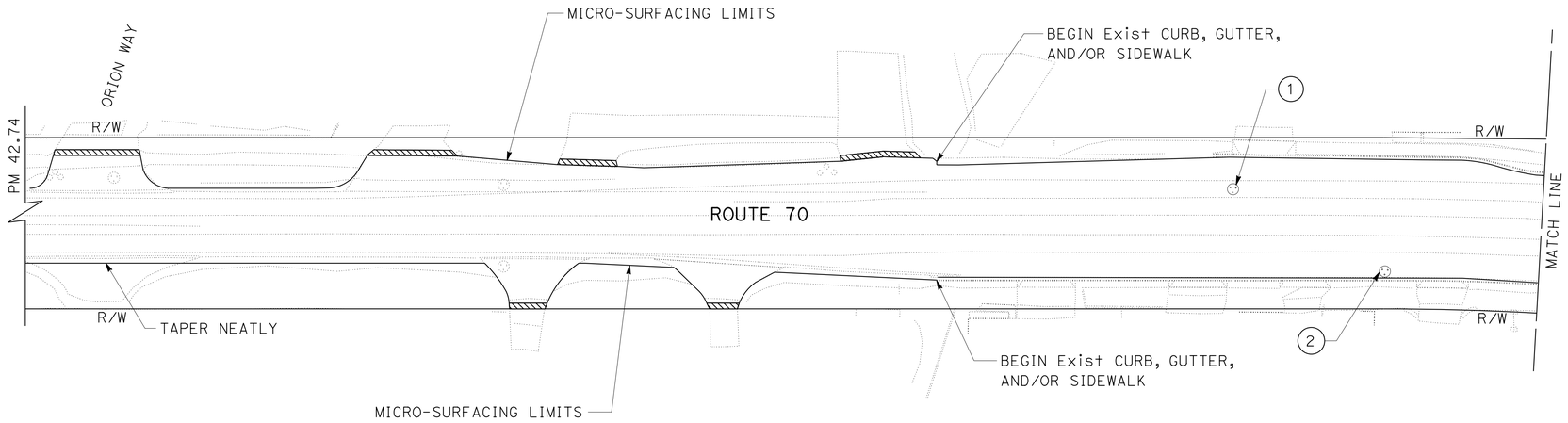

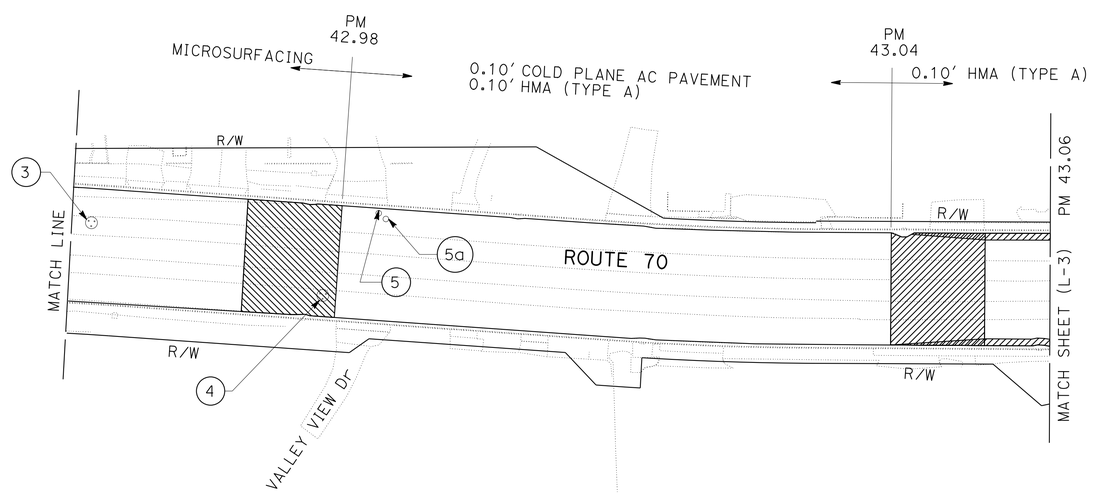

LAYOUT

SCALE: 1" = 50'

L-2

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
SCOTT GREGORY	DENISE FUZERE

FUNCTIONAL SUPERVISOR: LANCE BROWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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MAINTENANCE

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LAST REVISION 03-05-13 | DATE PLOTTED => 28-MAR-2013 | TIME PLOTTED => 09:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	5	33

REGISTERED CIVIL ENGINEER 03-05-13 DATE

03-05-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SCOTT C. GREGORY No. C75565 Exp. 06-30-14 CIVIL STATE OF CALIFORNIA

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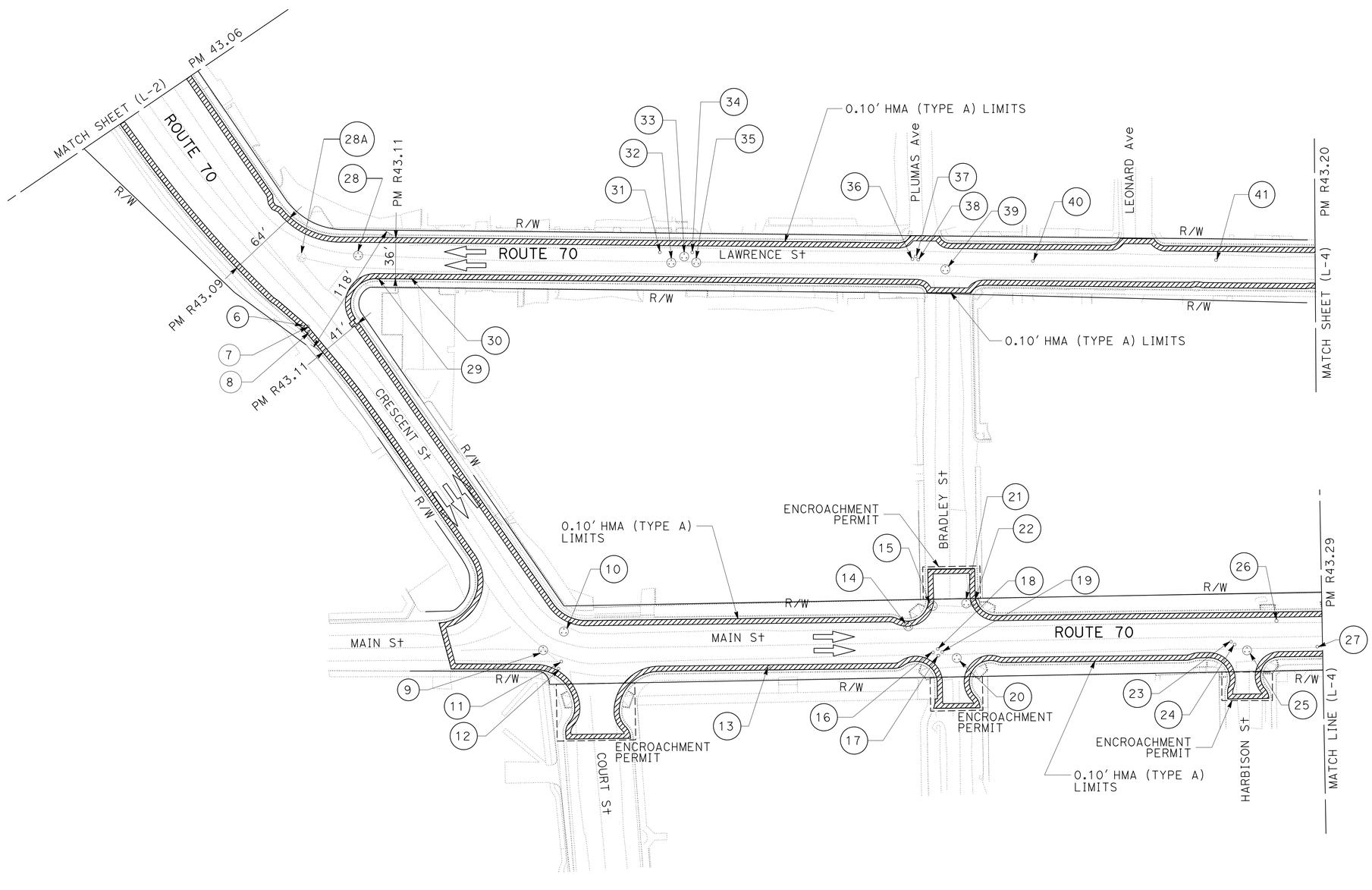

LAYOUT
SCALE: 1" = 50'

L-3

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
SCOTT GREGORY	DENISE FUZERE

FUNCTIONAL SUPERVISOR: LANCE BROWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

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LAST REVISION 03-05-13 | DATE PLOTTED => 28-MAR-2013 | TIME PLOTTED => 09:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	6	33

REGISTERED CIVIL ENGINEER DATE 03-05-13

PLANS APPROVAL DATE 03-05-13

SCOTT C. GREGORY No. C75565 Exp. 06-30-14 CIVIL STATE OF CALIFORNIA REGISTERED PROFESSIONAL ENGINEER

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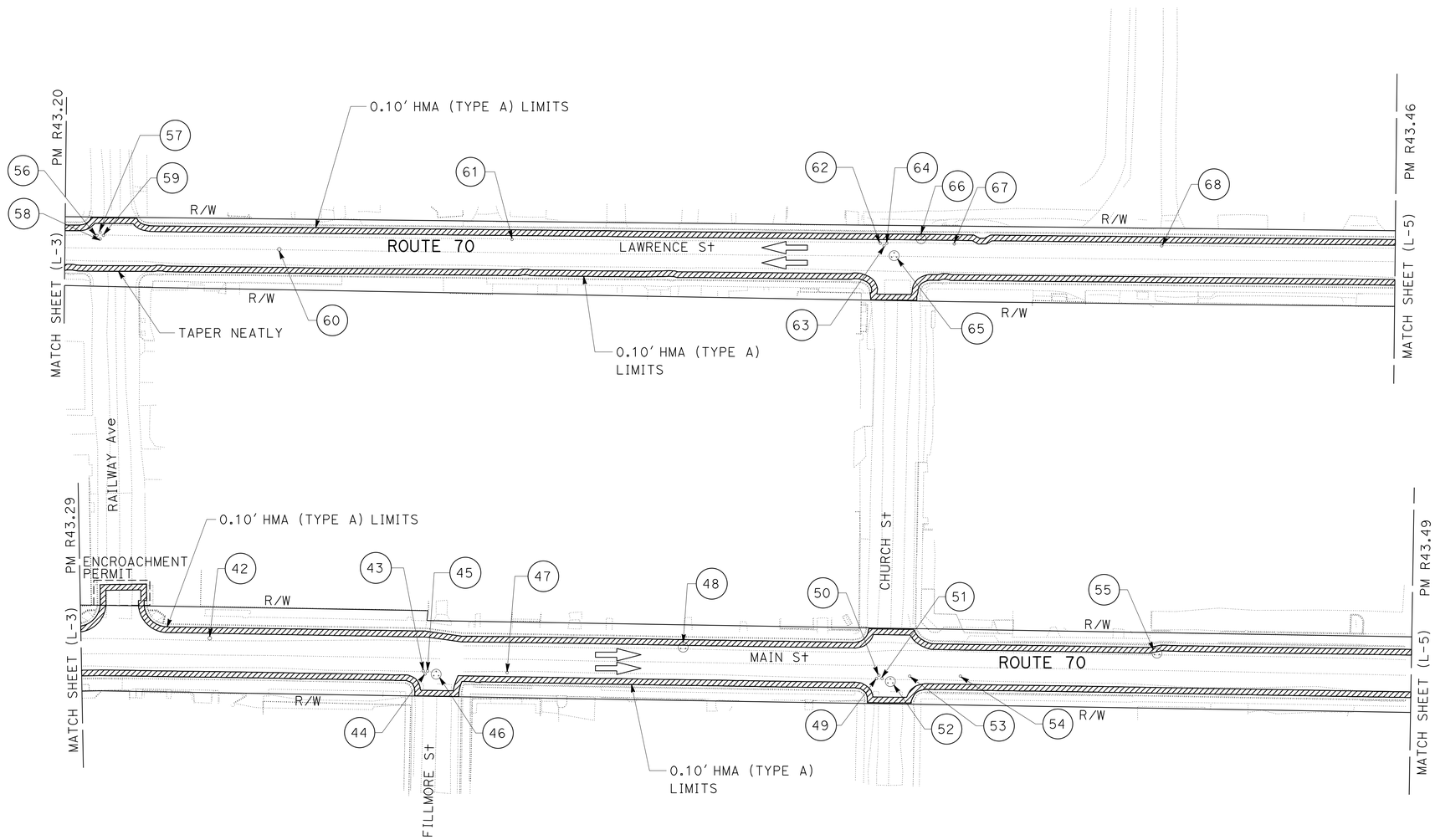

LAYOUT

SCALE: 1" = 50'

L-4

REVISED BY	DATE REVISED
SCOTT GREGORY	DENISE FUZERE
CALCULATED-DESIGNED BY	CHECKED BY
FUNCTIONAL SUPERVISOR	LANCE BROWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® MAINTENANCE

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	7	33

REGISTERED CIVIL ENGINEER 03-05-13 DATE

03-05-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SCOTT C. GREGORY No. C75565 Exp. 06-30-14 CIVIL STATE OF CALIFORNIA

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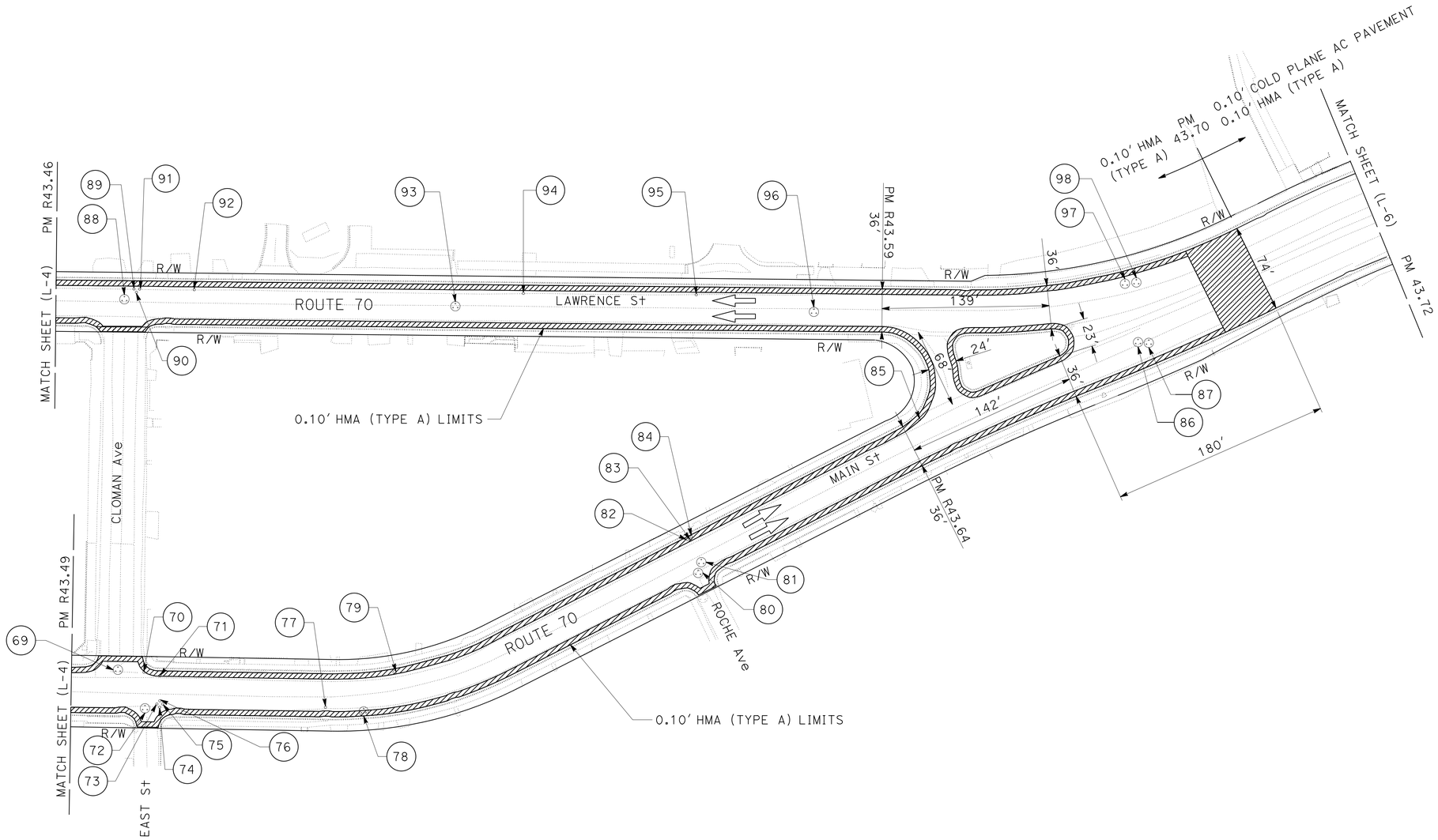

LAYOUT

SCALE: 1" = 50'

L-5

LAST REVISION	DATE PLOTTED => 28-MAR-2013
03-05-13	TIME PLOTTED => 09:36

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
MAINTENANCE

FUNCTIONAL SUPERVISOR: LANCE BROWN

CALCULATED-DESIGNED BY: SCOTT GREGORY
CHECKED BY: DENISE FUZERE
REVISED BY
DATE REVISED

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	8	33

Scott C Gregory 03-05-13
REGISTERED CIVIL ENGINEER DATE

03-05-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT C. GREGORY
No. C75565
Exp. 06-30-14
CIVIL
STATE OF CALIFORNIA

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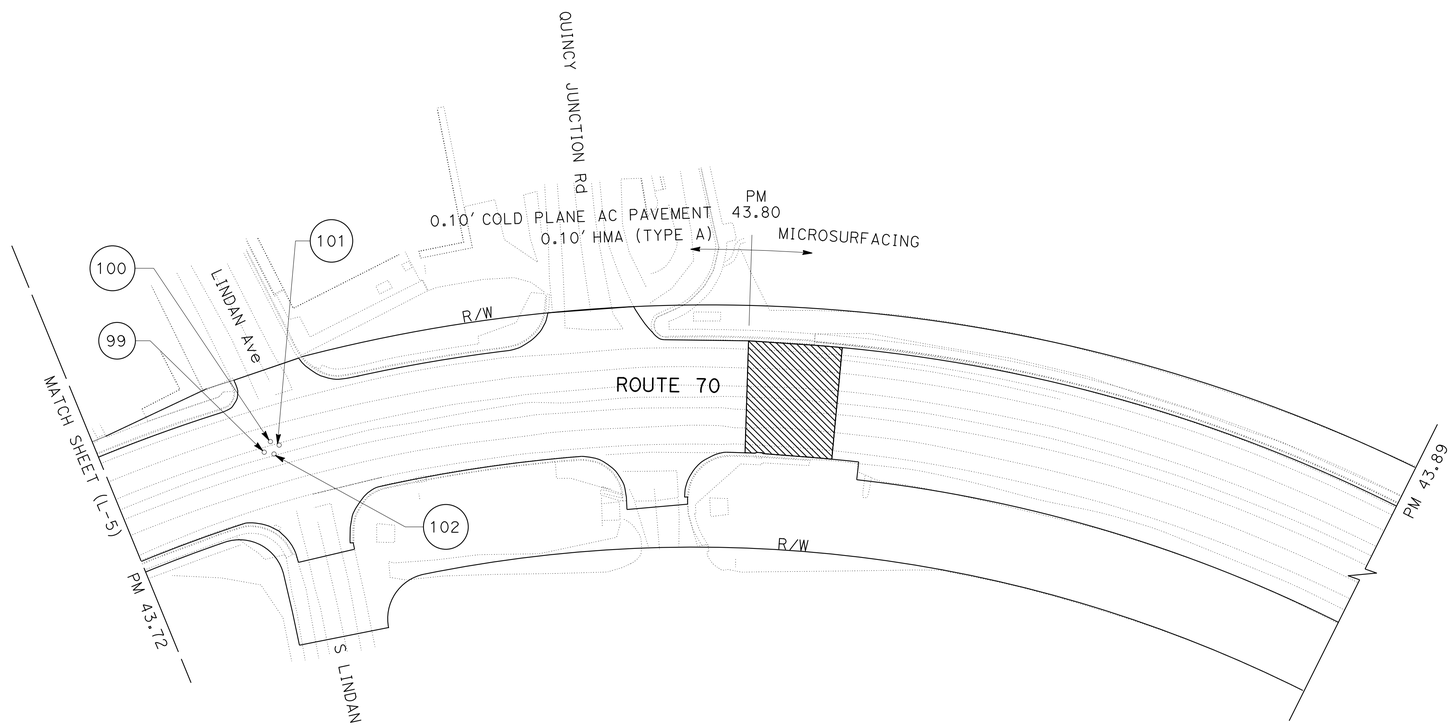

LAYOUT
SCALE: 1" = 50'

L-6

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	SCOTT GREGORY
CHECKED BY	DENISE FUZERE

FUNCTIONAL SUPERVISOR: LANCE BROWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
MAINTENANCE

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LAST REVISION 03-05-13 | DATE PLOTTED => 28-MAR-2013 | TIME PLOTTED => 09:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	9	33

REGISTERED CIVIL ENGINEER 03-05-13 DATE

03-05-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SCOTT C. GREGORY No. C75565 Exp. 06-30-14 CIVIL STATE OF CALIFORNIA

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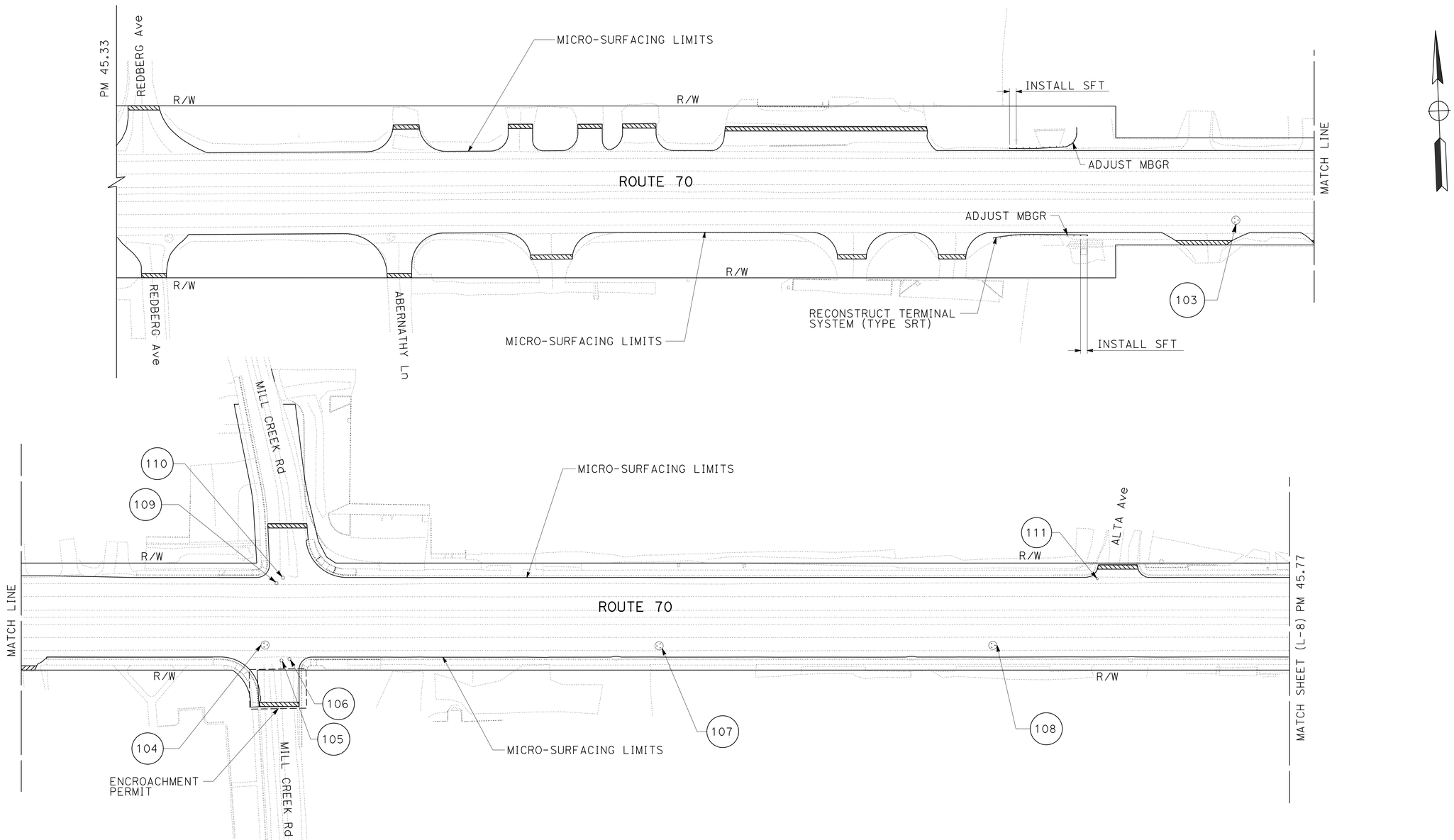

LAYOUT

SCALE: 1" = 50'

L-7

REVISED BY	DATE REVISED
SCOTT GREGORY	DENISE FUZERE
CALCULATED-DESIGNED BY	CHECKED BY
FUNCTIONAL SUPERVISOR	LANCE BROWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

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LAST REVISION 03-05-13 | DATE PLOTTED => 28-MAR-2013 | TIME PLOTTED => 09:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	10	33

REGISTERED CIVIL ENGINEER DATE 03-05-13

PLANS APPROVAL DATE 03-05-13

REGISTERED PROFESSIONAL ENGINEER SCOTT C. GREGORY No. C75565 Exp. 06-30-14 CIVIL STATE OF CALIFORNIA

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NOTES:

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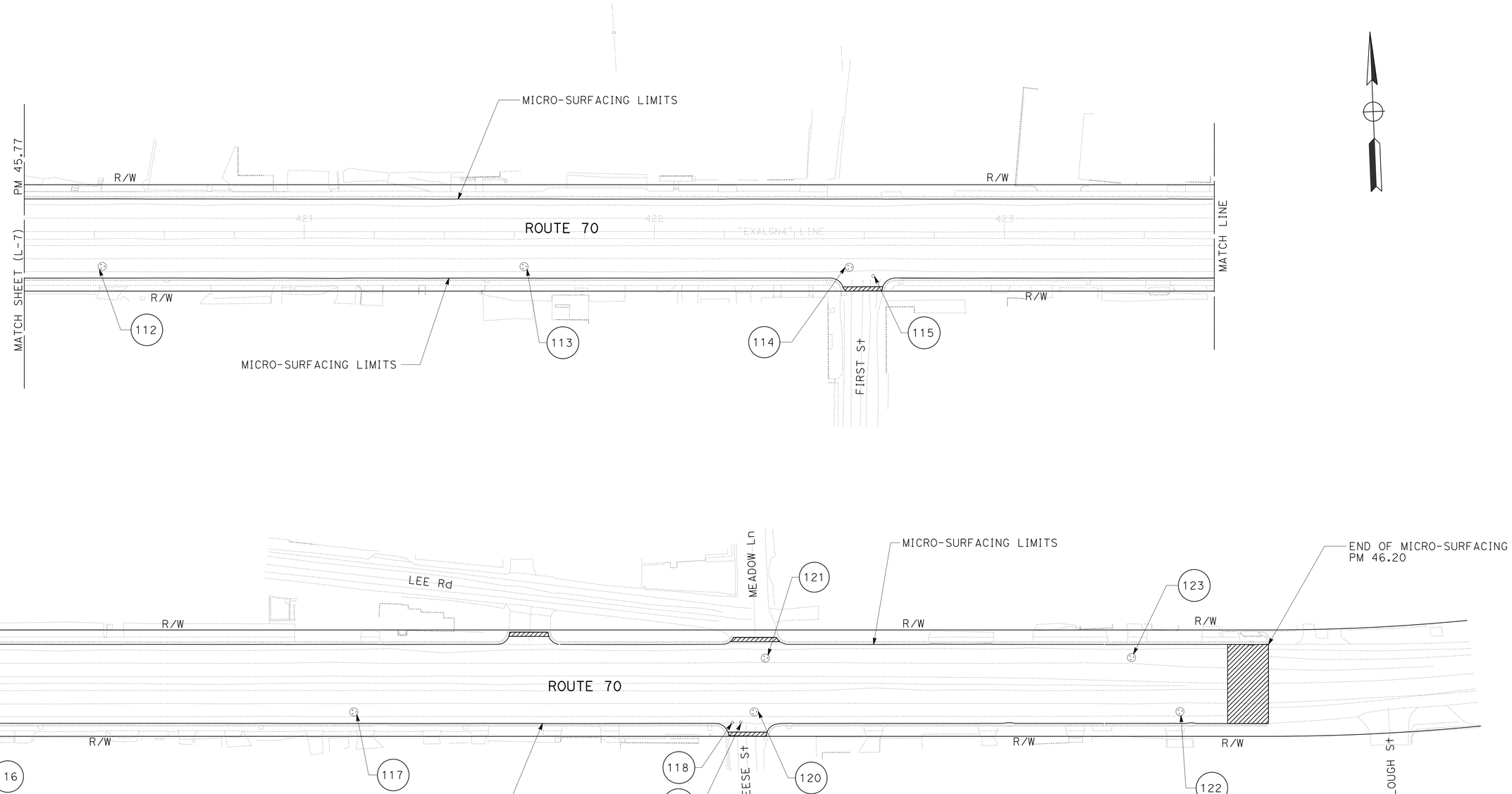

LAYOUT

SCALE: 1" = 50'

L-8

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
SCOTT GREGORY	DENISE FUZERE

FUNCTIONAL SUPERVISOR: LANCE BROWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® **MAINTENANCE**

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LAST REVISION 03-05-13 | DATE PLOTTED => 28-MAR-2013 | TIME PLOTTED => 09:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	11	33

REGISTERED CIVIL ENGINEER 03-05-13 DATE

03-05-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SCOTT C. GREGORY No. C75565 Exp. 06-30-14 CIVIL STATE OF CALIFORNIA

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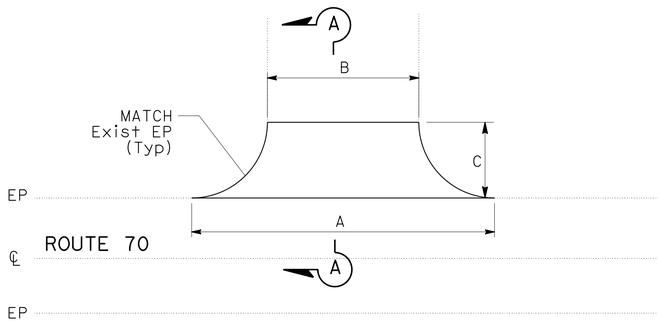
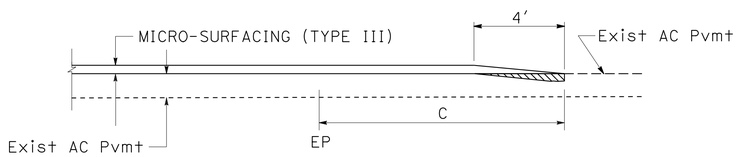
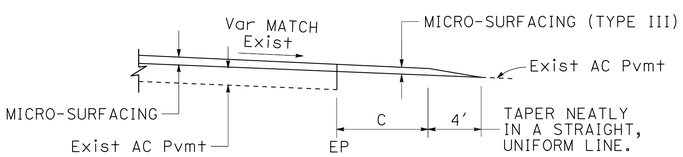


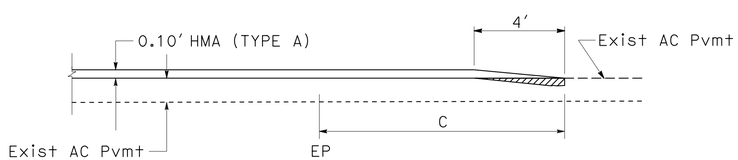
ROAD CONNECTIONS



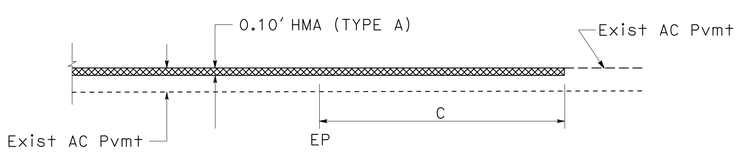
CASE A
SECTION A-A



CASE B
SECTION A-A



CASE C
SECTION A-A



CASE D
SECTION A-A

ABBREVIATIONS:

Dir DIRECTION

LEGEND:

COLD PLANE ASPHALT CONCRETE PAVEMENT (0.00' TO 0.04')

COLD PLANE ASPHALT CONCRETE PAVEMENT (0.00' TO 0.10')

COLD PLANE ASPHALT CONCRETE PAVEMENT (0.10')

ROAD CONNECTIONS

Dir	ROAD CONNECTION	SIDE	POST MILE	DIMENSIONS (LF) A	B	C	CASE
EB/ WB	OLD HIGHWAY	L+	38.45	169	81	16	A
	CHANDLER Rd	L+	39.32	114	62	13	A
	BLACKHAWK Rd	R+	39.42	172	114	7	A
	USFS STATION	R+	39.64	81	67	7	A
	BARLOW Rd	L+	39.83	70	43	10	A
	SNAKE LAKE Rd	R+	41.12				B
	WEST'S RANCH Rd	L+	41.39	375	285	13	A
	PURDY Ln	R+	41.51	126	30	35	A
	DRIVEWAY	R+	41.54				B
	DRIVEWAY	R+	41.62				B
	WEST'S RANCH Rd	L+	42.00	185	35	52	A
	GOLDEN EAGLE Ave	R+	42.01	120	56	70	A
	DRIVEWAY	R+	42.16				B
	DRIVEWAY	L+	42.16	120	16	50	B
	DRIVEWAY	L+	42.24	61	18	25	B
	BESKEEN Ln	L+	42.38	145	83	55	A
	DRIVEWAY	R+	42.40	160	15	100	B
	SPANISH CREEK Rd	L+	42.59	97	20	45	A
	DRIVEWAY	R+	42.59	57	18	25	B
	DRIVEWAY	R+	42.74				B
	ORION WAY	L+	42.74	98	59	27	A
	DRIVEWAY	L+	42.79	62	55	4	B
	DRIVEWAY	R+	42.80	66	25	32	B
	DRIVEWAY	L+	42.81	42	40	4	B
	DRIVEWAY	R+	42.83	70	20	23	B
	DRIVEWAY	L+	42.85	56	53	4	B
EB	MAIN St	R+	R43.17	120	42	67	C
	COURT St	R+	R43.18	107	56	60	C
	BRADLEY St	RT	R43.24	43	40	41	C
	BRADLEY St	L+	R43.24	77	41	43	C
	HARBISON St	R+	R43.28	61	35	36	C
	RAILWAY Ave	L+	R43.30	68	37	33	C
	FILLMORE St	R+	R43.35	44	35	12	C
	CHURCH St	R+	R43.42	51	35	11	C
	CHURCH St	L+	R43.42	61	36	11	C
	CLOMAN Ave	L+	R43.52	61	36	10	C
	EAST St	R+	R43.52	43	18	12	C
	ROCHE Ave	R+	R43.62	45	17	12	C
WB	PLUMAS Ave	R+	R43.20	46	26	6	C
	BRADLEY St	L+	R43.20	60	38	7	C
	LEONARD Ave	R+	R43.23	47	29	6	C
	RAILWAY Ave	R+	R43.27	58	36	6	C
	RAILWAY Ave	L+	R43.27				C
	CHURCH St	L+	R43.39	54	36	16	C
	CLOMAN Ave	L+	R43.47	60	37	6	C
EB/ WB	LINDAN Ave	R+	43.74	90	38	35	D
	LINDAN Ave	L+	43.74	90	45	18	D
	DRIVEWAY	R+	43.79	95	40	35	D
	QUINCY JUNCTION Rd	L+	43.79	103	57	23	D
	DRIVEWAY	R+	43.91	107	39	27	B
	CLAREMONT Dr	R+	43.98	72	29	17	A
	DRIVEWAY	R+	44.12	89	37	25	B
	DRIVEWAY	R+	44.21	65	25	25	B
	DRIVEWAY	R+	44.31	130	15	24	B
	DRIVEWAY	R+	44.40	160	30	20	B

ROAD CONNECTIONS (Cont)

Dir	ROAD CONNECTION	SIDE	POST MILE	DIMENSIONS (LF) A	B	C	CASE
EB/ WB	RADIO HILL Rd	L+	44.51	120	22	39	A
	DRIVEWAY	R+	44.56	84	33	47	B
	DRIVEWAY	R+	44.73	82	32	20	B
	DRIVEWAY	R+	44.75	60	30	20	B
	DRIVEWAY	R+	44.99	160	27	23	B
	FAIRGROUND Rd	L+	45.05	116	54	42	A
	PEPPARD FLAT Rd	R+	45.05	110	34	50	A
	DRIVEWAY	L+	45.06	70	56	4	B
	DRIVEWAY	L+	45.08	88	67	4	B
	DRIVEWAY	R+	45.11	94	44	25	B
	DRIVEWAY	R+	45.16	88	38	26	B
	DRIVEWAY	L+	45.16	46	37	4	B
	DRIVEWAY	L+	45.21	66	55	4	B
	SUNRISE Ln	R+	45.21	89	40	25	A
	DRIVEWAY	L+	45.23	104	88	4	B
	DRIVEWAY	L+	45.26	89	69	4	B
	DRIVEWAY	R+	45.28	78	28	25	B
	REDBERG Ave	R+	45.34	67	23	41	A
	REDBERG Ave	L+	45.34	108	29	44	A
	ABERNATHY Ln	R+	45.39	92	23	42	A
	DRIVEWAY	L+	45.39	74	24	25	B
	DRIVEWAY	L+	45.41	49	23	25	B
	DRIVEWAY	L+	45.41	42	23	25	B
	DRIVEWAY	L+	45.42	60	31	25	B
	DRIVEWAY	R+	45.41	89	39	25	B
	DRIVEWAY	L+	45.45	207	187	22	B
	DRIVEWAY	R+	45.45	77	27	25	B
	DRIVEWAY	R+	45.46	75	25	25	B
	DRIVEWAY	L+	45.53				B
	DRIVEWAY	R+	45.53	83	42	12	B
	DRIVEWAY	R+	45.55	37	12	12	B
	DRIVEWAY	L+	45.55				B
	DRIVEWAY	L+	45.58				B
	MILL CREEK Rd	L+	45.59	84	37	50	A
	MILL CREEK Rd	R+	45.59	85	37	46	A
	ALTA Ave	L+	45.74	59	36	12	A
	FIRST St	R+	45.92	64	34	12	A
	ROAD CONNECTION	L+	46.09	63	39	14	A
	MEADOW Ln	L+	46.15	60	40	6	A
	REESE St	R+	46.15	61	35	12	A

CONSTRUCTION DETAILS

NO SCALE

C-1

REVISED BY | DATE REVISED
SCOTT GREGORY | DENISE FUZERE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | LANCE BROWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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LAST REVISION 03-05-13 | DATE PLOTTED => 28-MAR-2013 TIME PLOTTED => 09:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	12	32

REGISTERED CIVIL ENGINEER 03-05-13 DATE

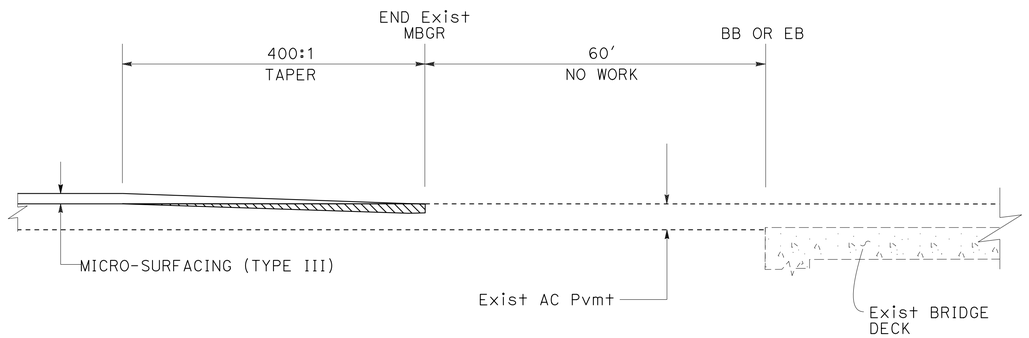
03-05-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SCOTT C. GREGORY No. C75565 Exp. 06-30-14 CIVIL STATE OF CALIFORNIA

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

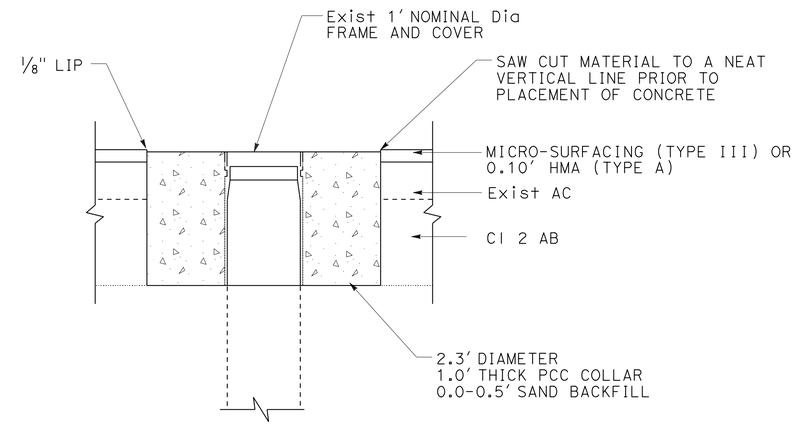
NOTE:

1. EXISTING UTILITY FACILITY INFORMATION IS INCOMPLETE.

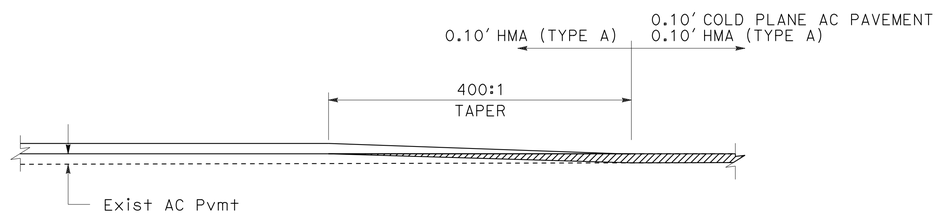


BRIDGE CONFORM TAPER

SPANISH CREEK Br No. 09-0018

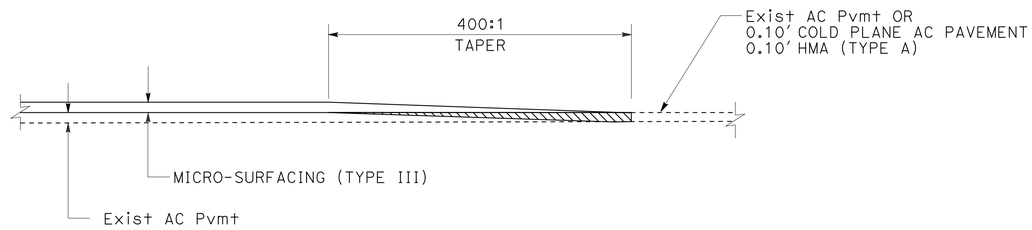


ADJUST WATER VALVE BOX DETAIL



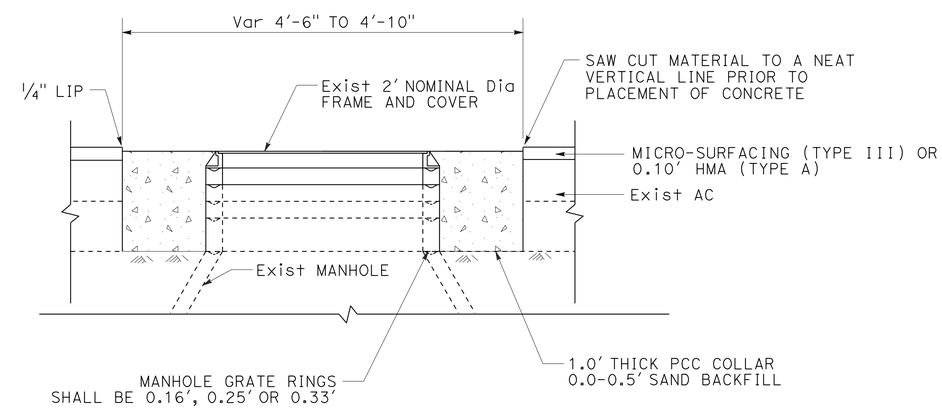
MAINLINE CONFORM TAPER (HMA)

PM 43.04
PM 43.70



MAINLINE CONFORM TAPER (MICRO-SURFACING)

PM 37.50
PM 42.98
PM 43.80
PM 46.20



ADJUST SANITARY SEWER AND UTILITY COVER MANHOLE DETAIL

CONSTRUCTION DETAILS

NO SCALE

C-2

REVISED BY | DATE REVISED
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FUNCTIONAL SUPERVISOR: LANCE BROWN
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LAST REVISION 03-05-13 | DATE PLOTTED => 28-MAR-2013 | TIME PLOTTED => 09:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	13	33

Scott C. Gregory 03-05-13
REGISTERED CIVIL ENGINEER DATE

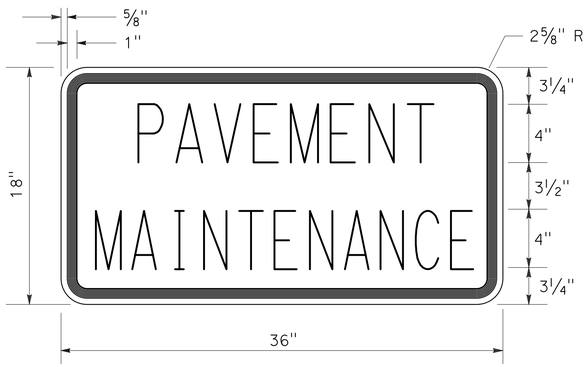
03-05-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT C. GREGORY
No. C75565
Exp. 06-30-14
CIVIL
STATE OF CALIFORNIA

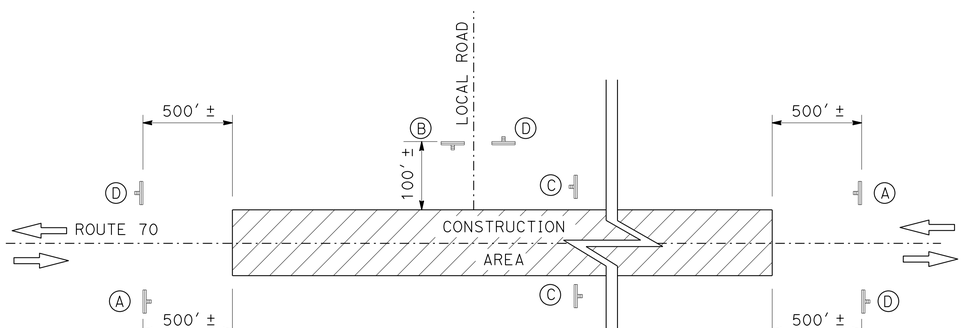
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. EXACT LOCATION OF ALL SIGNS TO BE DETERMINED BY THE ENGINEER.
2. EXISTING UTILITY FACILITY INFORMATION IS INCOMPLETE.
3. CALIFORNIA CODES ARE DESIGNATED BY (CA), OTHERWISE FEDERAL CODES ARE SHOWN.
4. INTERMEDIATE G20-1 SIGNS SHOULD BE PLACED EVERY 3 TO 5 MILES AS NECESSARY.



C23B(CA) SIGN PANEL DETAIL



CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)

TYPE	CODE	PANEL SIZE	SIGN MESSAGE	NUMBER AND SIZE OF POST	No. OF SIGNS
A	G20-1 C23B(CA)	36" x 18" 36" x 18"	ROAD WORK NEXT XX MILES PAVEMENT MAINTENANCE	1-4" x 6"	2
B	W20-1	48" x 48"	ROAD WORK AHEAD	1-4" x 6"	53
C	G20-1	36" x 18"	ROAD WORK NEXT XX MILES	1-4" x 4"	4
D	G20-2	36" x 18"	END ROAD WORK	1-4" x 4"	25

ROAD CONNECTIONS

DIRECTION	PM	DESCRIPTION	SIDE	B	D
EB/WB	38.45	OLD HIGHWAY	L+	1	
	39.32	CHANDLER Rd	L+	1	
	39.42	BLACKHAWK Rd	R+	1	
	39.64	USFS STATION	R+	1	
	39.83	BARLOW Rd	L+	1	
	41.12	SNAKE LAKE Rd	R+	1	
	41.39	WEST'S RANCH Rd	L+	1	
	41.51	PURDY Ln	R+	1	
	42.00	WEST'S RANCH Rd	L+	1	
	42.01	GOLDEN EAGLE Ave	R+	1	1
	42.38	BESKEEN Ln	L+	1	
	42.59	SPANISH CREEK Dr	L+	1	
	42.74	ORION WAY	L+	1	
	42.98	VALLEY VIEW Dr	R+	1	
EB	R43.17	MAIN St	R+	1	1
	R43.18	COURT St	R+	1	1
	R43.24	BRADLEY St	R+	1	1
	R43.24	BRADLEY St	L+	1	
	R43.28	HARBISON St	R+	1	1
	R43.30	RAILWAY Ave	L+	1	
	R43.35	FILLMORE St	R+	1	1
	R43.42	CHURCH St	R+	1	1
	R43.42	CHURCH St	L+	1	
	R43.52	CLOMAN Ave	L+	1	
	R43.52	EAST St	R+	1	1
	R43.62	ROCHE Ave	R+	1	1
WB	R43.20	PLUMAS Ave	R+	1	
	R43.20	BRADLEY St	L+	1	1
	R43.23	LEONARD Ave	R+	1	
	R43.27	RAILWAY Ave	R+	1	
	R43.27	RAILWAY Ave	L+	1	1
	R43.39	CHURCH St	L+	1	1
	R43.47	CLOMAN Ave	L+	1	1
EB/WB	43.74	LINDAN Ave	R+	1	1
	43.74	LINDAN Ave	L+	1	1
	43.79	QUINCY JUNCTION Rd	L+	1	1
	43.79	DRIVEWAY	R+	1	
	43.91	DRIVEWAY	R+	1	
	43.91	DRIVEWAY - SCHOOL	L+	1	
	43.98	CLAREMONT Dr	R+	1	
	44.51	RADIO HILL Rd	L+	1	1
	45.05	FAIRGROUND Rd	L+	1	1
	45.05	PEPPARD FLAT Rd	R+	1	1
	45.21	SUNRISE Ln	R+	1	1
	45.34	REDBERG Ave	R+	1	1
	45.34	REDBERG Ave	L+	1	
	45.39	ABERNATHY Ln	R+	1	1
	45.59	MILL CREEK Rd	L+	1	1
	45.59	MILL CREEK Rd	R+	1	
	45.74	ALTA Ave	L+	1	
	45.92	FIRST St	R+	1	
	46.15	MEADOW Ln	L+	1	
	46.15	REESE St	R+	1	

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

REVISED BY | DATE REVISED
SCOTT GREGORY | DENISE FUZERE
CALCULATED-DESIGNED BY | CHECKED BY
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LAST REVISION | DATE PLOTTED => 28-MAR-2013 | TIME PLOTTED => 09:36
03-05-13

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	14	33

REGISTERED CIVIL ENGINEER 03-05-13 DATE

03-05-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT C. GREGORY
No. C75565
Exp. 06-30-14
CIVIL
STATE OF CALIFORNIA

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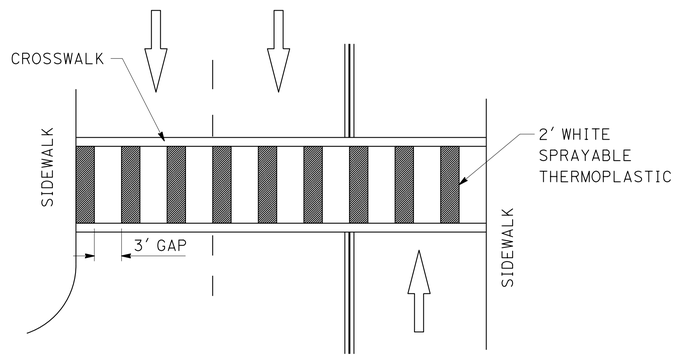
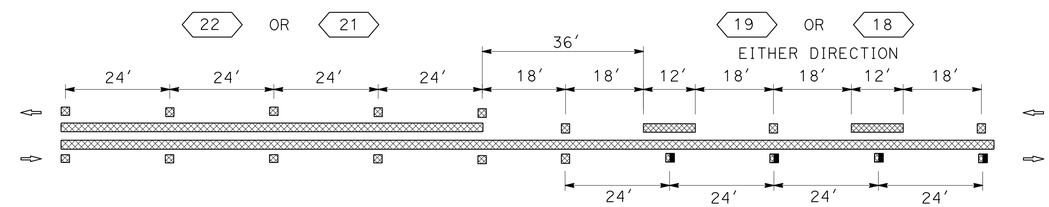
NOTES:

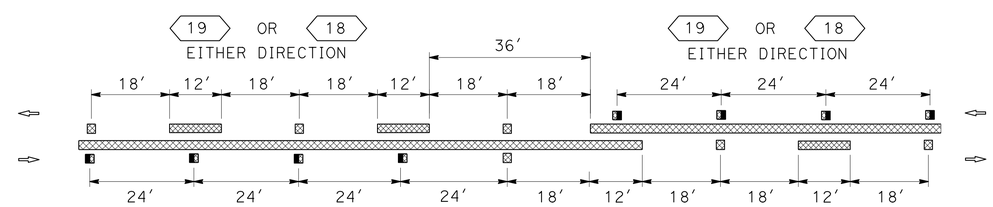
1. EXISTING UTILITY FACILITY INFORMATION IS INCOMPLETE.
2. DO NOT PLACE RECESSED MARKERS ON BRIDGE DECKS.



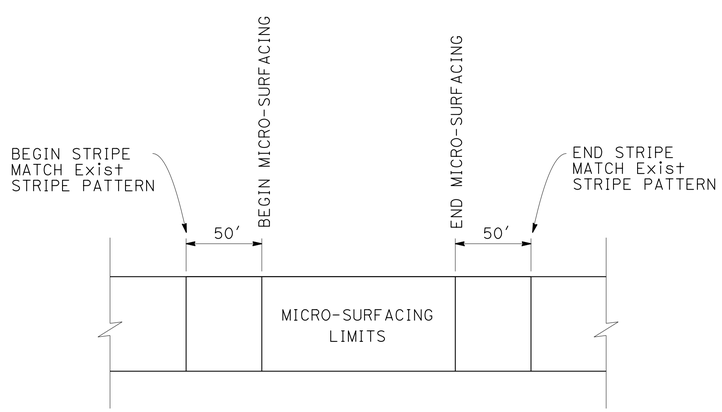
ENHANCED CROSSWALK

PM R43.15





TYPICAL STRIPE TRANSITION DETAILS



TRAFFIC STRIPE MATCH DETAIL

PAVEMENT DELINEATION DETAILS

NO SCALE

PDD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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FUNCTIONAL SUPERVISOR: LANCE BROWN
CALCULATED-DESIGNED BY: SCOTT GREGORY
CHECKED BY: DENISE FUZERE
REVISED BY
DATE REVISED

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LAST REVISION 03-05-13
DATE PLOTTED => 28-MAR-2013
TIME PLOTTED => 09:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	15	33

REGISTERED CIVIL ENGINEER 03-05-13 DATE

03-05-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SCOTT C. GREGORY No. C75565 Exp. 06-30-14 CIVIL STATE OF CALIFORNIA

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NOTES:

1. (N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY
2. EXISTING UTILITY FACILITY INFORMATION IS INCOMPLETE

LEGEND:

Dir DIRECTION
Mid MIDDLE

THERMOPLASTIC PAVEMENT MARKING

Dir	PM/LOCATION	Lt	Mid	Rt	(N) EA	SQFT	REMARKS
WB/EB	OLD HIGHWAY	X			1	28	LIMIT LINE
	OLD HIGHWAY	X			1	22	STOP
	CHANDLER Rd	X			1	18	LIMIT LINE
	CHANDLER Rd	X			1	22	STOP
	BLACKHAWK Rd			X	1	36	LIMIT LINE
	BLACKHAWK Rd			X	1	22	STOP
	39.61			X	1	42	TYPE III(R) ARROW
	USFS STATION			X	1	27	LIMIT LINE
	USFS STATION			X	1	22	STOP
	39.67		X		1	42	TYPE III(R) ARROW
	BARLOW Rd	X			1	18	LIMIT LINE
	BARLOW Rd	X			1	22	STOP
	41.05	X			1	42	TYPE VI ARROW
	41.09	X			1	42	TYPE VI ARROW
	41.13	X			1	42	TYPE VI ARROW
	41.27			X	1	42	TYPE VI ARROW
	41.31			X	1	42	TYPE VI ARROW
	41.35			X	1	42	TYPE VI ARROW
	WEST'S RANCH Rd	X			1	28	LIMIT LINE
	WEST'S RANCH Rd	X			1	22	STOP
	PURDY Ln			X	1	28	LIMIT LINE
	PURDY Ln			X	1	22	STOP
	41.94			X	1	42	TYPE III(R) ARROW
	WEST'S RANCH Rd	X			1	33	LIMIT LINE
	WEST'S RANCH Rd	X			1	22	STOP
	42.00			X	1	42	TYPE III(R) ARROW
	GOLDEN EAGLE Ave			X	1	57	LIMIT LINE
	GOLDEN EAGLE Ave			X	1	22	STOP
	42.01		X		1	42	TYPE III(L) ARROW
	42.02			X	1	7	BIKE LANE SYMBOL
	42.02			X	1	5	BIKE
	42.02			X	1	6	LANE
	42.06		X		1	42	TYPE III(L) ARROW
	42.37	X			1	6	LANE
	42.37	X			1	5	BIKE
	42.37	X			1	7	BIKE LANE SYMBOL
	BESKEEN Ln	X			1	22	STOP
	BESKEEN Ln	X			1	33	LIMIT LINE
	RV PARK DRIVEWAY			X	1	22	STOP
	RV PARK DRIVEWAY			X	1	43	LIMIT LINE
	SPANISH CREEK Rd	X			1	22	STOP
	SPANISH CREEK Rd	X			1	30	LIMIT LINE
	42.62		X		2	30	TYPE IV(L) ARROW
	ORION WAY	X			1	35	LIMIT LINE
	ORION WAY	X			1	22	STOP
	42.75		X		2	30	TYPE IV(L) ARROW
	42.89	X			1	42	TYPE VI ARROW
	42.93	X			1	42	TYPE VI ARROW
	42.96		X		2	30	TYPE IV(L) ARROW
	42.97	X			1	42	TYPE VI ARROW
	43.05		X		2	30	TYPE IV(L) ARROW
SUBTOTAL 1						1486	

THERMOPLASTIC PAVEMENT MARKING (Cont)

Dir	PM/LOCATION	Lt	Mid	Rt	(N) EA	SQFT	REMARKS
EB	R43.10	X			1	275	DELINEATED ISLAND
	R43.10	X			1	12	LIMIT LINE
	R43.10	X			1	22	STOP
	R43.10		X	X	1	43	CROSSWALK
	R43.14	X		X	2	36	PED
	R43.14	X		X	2	42	XING
	R43.14	X			1	31	AHEAD
	R43.14	X			1	22	STOP
	R43.14			X	2	66	TYPE V ARROW
	R43.15	X			1	21	XING
	R43.15	X	X	X	1	169	CROSSWALK (ENHANCED)
	R43.16	X			1	18	PED
	MAIN St			X	1	22	STOP
	MAIN St			X	1	36	LIMIT LINE
	COURT St			X	1	22	STOP
	COURT St			X	1	67	CROSSWALK
	COURT St			X	1	100	DELINEATED ISLAND
	COURT St			X	1	15	TYPE IV(R) ARROW
	R43.18	X		X	2	66	TYPE V ARROW
	R43.23	X		X	2	66	TYPE V ARROW
	R43.23	X	X	X	1	98	CROSSWALK
	BRADLEY St	X		X	2	44	STOP
	BRADLEY St	X		X	2	136	CROSSWALK
	R43.24	X	X	X	1	102	CROSSWALK
	R43.28	X		X	2	66	TYPE V ARROW
	R43.28	X	X	X	1	89	CROSSWALK
	HARBISON St			X	1	22	STOP
	HARBISON St			X	1	71	CROSSWALK
	RAILWAY Ave	X			1	22	STOP
	RAILWAY Ave	X			1	87	CROSSWALK
	R43.30	X	X	X	1	89	CROSSWALK
	R43.34	X		X	2	66	TYPE V ARROW
	R43.35	X	X	X	1	85	CROSSWALK
	FILMORE St			X	1	22	STOP
	FILMORE St			X	1	75	CROSSWALK
	R43.41	X		X	2	66	TYPE V ARROW
	R43.41	X	X	X	1	82	CROSSWALK
	CHURCH St	X		X	2	44	STOP
	CHURCH St	X		X	2	154	CROSSWALK
	R43.42	X	X	X	1	82	CROSSWALK
	R43.49	X		X	2	66	TYPE V ARROW
	CLOMAN Ave	X			1	22	STOP
	CLOMAN Ave	X			1	86	CROSSWALK
	EAST St			X	1	22	STOP
	EAST St			X	1	49	CROSSWALK
	R43.52	X	X	X	1	82	CROSSWALK
	R43.60	X		X	2	66	TYPE V ARROW
	R43.60	X	X	X	1	80	CROSSWALK
	ROCHE Ave			X	1	22	STOP
	ROCHE Ave			X	1	44	CROSSWALK
	R43.64	X		X	2	66	TYPE V ARROW
SUBTOTAL 2						3258	

THERMOPLASTIC PAVEMENT MARKING (Cont)

Dir	PM/LOCATION	Lt	Mid	Rt	(N) EA	SQFT	REMARKS
EB	R43.64	X	X	X	1	85	CROSSWALK
	R43.65	X			1	20	LIMIT LINE
	R43.65	X			1	22	STOP
	R43.67	X		X	2	66	TYPE V ARROW
WB	R43.10			X	1	22	STOP
	R43.10	X		X	1	93	CROSSWALK
	R43.11		X		1	15	TYPE IV(L) ARROW
	R43.12	X		X	2	66	TYPE V ARROW
	R43.19	X	X	X	1	76	CROSSWALK
	PLUMAS Ave			X	1	22	STOP
	PLUMAS Ave			X	1	51	CROSSWALK
	BRADLEY St	X			1	22	STOP
	BRADLEY St	X			1	76	CROSSWALK
	R43.21	X	X	X	1	81	CROSSWALK
	R43.22	X		X	2	66	TYPE V ARROW
	LEONARD Ave			X	1	22	STOP
	LEONARD Ave			X	1	64	CROSSWALK
	R43.26	X	X	X	1	79	CROSSWALK
	RAILWAY Ave	X		X	2	44	STOP
	RAILWAY Ave	X		X	2	132	CROSSWALK
	R43.27	X	X	X	1	79	CROSSWALK
	R43.28	X		X	2	66	TYPE V ARROW
	CHURCH St	X			1	22	STOP
	CHURCH St	X			1	79	CROSSWALK
	R43.39	X	X	X	1	81	CROSSWALK
	R43.39	X		X	2	66	TYPE V ARROW
	R43.46	X	X	X	1	79	CROSSWALK
	CLOMAN Ave	X			1	22	STOP
	CLOMAN Ave	X			1	73	CROSSWALK
	R43.47	X	X	X	1	83	CROSSWALK
	R43.48	X		X	2	66	TYPE V ARROW
	R43.59	X	X	X	1	83	CROSSWALK
	R43.59	X			1	20	LIMIT LINE
	R43.59	X			1	22	STOP
	R43.60	X		X	2	66	TYPE V ARROW
	R43.62	X		X	2	66	TYPE V ARROW
WB/EB	43.73		X		2	30	TYPE IV(L) ARROW
	LINDAN Ave	X		X	2	44	STOP
	LINDAN Ave	X		X	2	271	CROSSWALK (YELLOW)
	43.77		X		1	15	TYPE IV(L) ARROW
	43.77	X	X	X	1	174	CROSSWALK (YELLOW)
	QUINCY Jct Rd	X		X	2	281	CROSSWALK (YELLOW)
	43.80	X	X	X	1	163	CROSSWALK (YELLOW)
	43.80		X		1	15	TYPE IV(L) ARROW
	43.82		X		1	15	TYPE IV(L) ARROW
	43.91			X	1	33	LIMIT LINE
	43.91			X	1	22	STOP
	43.93		X		2	30	TYPE IV(L) ARROW
	CLAREMONT Dr			X	1	22	STOP
SUBTOTAL 3						3212	

PAVEMENT DELINEATION QUANTITIES

PDQ-1

REVISED BY	DATE REVISED

SCOTT GREGORY	DENISE FUZERE
CALCULATED-DESIGNED BY	CHECKED BY
FUNCTIONAL SUPERVISOR	LANCE BROWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

P:\proj\02\4E980_plans\pse\24e980nc001.dgn

LAST REVISION 03-05-13 | DATE PLOTTED => 28-MAR-2013 | TIME PLOTTED => 09:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	16	33

Scott C. Gregory 03-05-13
REGISTERED CIVIL ENGINEER DATE

03-05-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SCOTT C. GREGORY No. C75565 Exp. 06-30-14 CIVIL STATE OF CALIFORNIA

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

NOTES:

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THERMOPLASTIC PAVEMENT MARKING (Cont)

Dir	PM/LOCATION	Lt	Mid	Rt	(N) EA	SQFT	REMARKS
WB/EB	CLAREMONT Dr			X	1	18	LIMIT LINE
	44.02		X		2	30	TYPE IV(L) ARROW
	44.12			X	1	22	STOP
	44.12			X	1	46	LIMIT LINE
	44.13		X		2	30	TYPE IV(L) ARROW
	44.21			X	1	22	STOP
	44.21			X	1	23	LIMIT LINE
	44.23		X		2	30	TYPE IV(L) ARROW
	44.36		X		2	84	TYPE III (L) ARROW
	44.50		X		2	84	TYPE III (L) ARROW
	RADIO HILL Rd	X			1	22	STOP
	RADIO HILL Rd	X			1	15	LIMIT LINE
	44.56			X	1	22	STOP
	44.56			X	1	26	LIMIT LINE
	44.61		X		2	84	TYPE III (L) ARROW
	44.78		X		2	84	TYPE III (L) ARROW
	44.86		X		2	84	TYPE III (L) ARROW
	44.98		X		1	15	TYPE IV(L) ARROW
	45.02		X		1	15	TYPE IV(L) ARROW
	FAIRGROUND Rd	X			1	22	STOP
	FAIRGROUND Rd	X			1	36	LIMIT LINE
	PEPPARD FLAT Rd			X	1	22	STOP
	PEPPARD FLAT Rd			X	1	38	LIMIT LINE
	45.05		X		1	15	TYPE IV(L) ARROW
	45.10		X		1	15	TYPE IV(L) ARROW
	45.11			X	1	40	LIMIT LINE
	45.11			X	1	22	STOP
	45.16			X	1	40	LIMIT LINE
	45.16			X	1	22	STOP
	45.18		X		2	30	TYPE IV(L) ARROW
	45.21	X			2	44	STOP
	45.21	X			1	85	LIMIT LINE
	SUNRISE Ln			X	1	22	STOP
	SUNRISE Ln			X	1	51	LIMIT LINE
	45.23	X			1	22	STOP
	45.23	X			1	40	LIMIT LINE
	45.26	X			1	120	CROSSWALK
	45.29		X		1	15	TYPE IV(L) ARROW
	45.32		X		1	15	TYPE IV(L) ARROW
	REDBERG Ave	X			1	90	CROSSWALK
	REDBERG Ave	X			1	22	STOP
	REDBERG Ave			X	1	31	LIMIT LINE
	REDBERG Ave			X	1	22	STOP
	45.35	X	X	X	1	169	CROSSWALK
	45.36		X		1	15	TYPE IV(L) ARROW
	ABERNATHY Ln			X	1	22	STOP
	ABERNATHY Ln			X	1	26	LIMIT LINE
	45.41		X		1	15	TYPE IV(L) ARROW
	45.47		X		2	30	TYPE IV(L) ARROW
SUBTOTAL 4						1914	

THERMOPLASTIC PAVEMENT MARKING (Cont)

Dir	PM/LOCATION	Lt	Mid	Rt	(N) EA	SQFT	REMARKS
WB/EB	45.56		X		1	15	TYPE IV(L) ARROW
	45.58		X		1	15	TYPE IV(L) ARROW
	45.59	X	X	X	1	156	CROSSWALK (YELLOW)
	MILL CREEK Rd	X		X	2	151	CROSSWALK (YELLOW)
	45.60	X	X	X	1	150	CROSSWALK (YELLOW)
	45.60		X		1	15	TYPE IV(L) ARROW
	45.63		X		1	15	TYPE IV(L) ARROW
	45.68		X		2	30	TYPE IV(L) ARROW
	ALTA Ave	X			1	22	STOP
	ALTA Ave	X			1	81	CROSSWALK
	45.74	X	X	X	1	155	CROSSWALK
	45.83		X		2	30	TYPE IV(L) ARROW
	FIRST St			X	1	22	STOP
	FIRST St			X	1	21	LIMIT LINE
	45.93		X		1	15	TYPE IV(L) ARROW
	45.95		X		1	15	TYPE IV(L) ARROW
	46.02		X		2	30	TYPE IV(L) ARROW
	46.09	X			1	22	STOP
	46.09	X			1	31	LIMIT LINE
	46.11			X	1	42	TYPE VI ARROW
	46.12		X		1	15	TYPE IV(L) ARROW
	MEADOW Ln	X			1	22	STOP
	MEADOW Ln	X			1	26	LIMIT LINE
	REESE St			X	1	22	STOP
	REESE St			X	1	28	LIMIT LINE
	46.15		X		1	15	TYPE IV(L) ARROW
	46.15			X	1	42	TYPE VI ARROW
	46.18			X	1	42	TYPE VI ARROW
SUBTOTAL 5						1245	
TOTAL						11,115	

REMOVE THERMOPLASTIC PAVEMENT MARKING

Dir	PM/LOCATION	Lt	Mid	Rt	(N) EA	SQFT	REMARKS
WB/EB	OLD HIGHWAY	X			1	28	LIMIT LINE
	OLD HIGHWAY	X			1	22	STOP
	CHANDLER Rd	X			1	18	LIMIT LINE
	CHANDLER Rd	X			1	22	STOP
	BLACKHAWK Rd			X	1	36	LIMIT LINE
	BLACKHAWK Rd			X	1	22	STOP
	39.61			X	1	42	TYPE III(R) ARROW
	USFS STATION			X	1	27	LIMIT LINE
	USFS STATION			X	1	22	STOP
	39.67		X		1	42	TYPE III(R) ARROW
	BARLOW Rd	X			1	18	LIMIT LINE
	BARLOW Rd	X			1	22	STOP
	41.05	X			1	42	TYPE VI ARROW
	41.09	X			1	42	TYPE VI ARROW
	41.13	X			1	42	TYPE VI ARROW
	41.27			X	1	42	TYPE VI ARROW
	41.31			X	1	42	TYPE VI ARROW
	41.35			X	1	42	TYPE VI ARROW
	WEST'S RANCH Rd	X			1	28	LIMIT LINE
	WEST'S RANCH Rd	X			1	22	STOP
	PURDY LN			X	1	28	LIMIT LINE
	PURDY LN			X	1	22	STOP
	41.94			X	1	42	TYPE III(R) ARROW
	WEST'S RANCH Rd	X			1	33	LIMIT LINE
	WEST'S RANCH Rd	X			1	22	STOP
	42.00			X	1	42	TYPE III(R) ARROW
	GOLDEN EAGLE Ave			X	1	57	LIMIT LINE
	GOLDEN EAGLE Ave			X	1	22	STOP
	42.01		X		1	42	TYPE III(L) ARROW
	42.02			X	1	7	BIKE LANE SYMBOL
	42.02			X	1	5	BIKE
	42.02			X	1	6	LANE
	42.06		X		1	42	TYPE III(L) ARROW
	42.37	X			1	6	LANE
	42.37	X			1	5	BIKE
	42.37	X			1	7	BIKE LANE SYMBOL
	BESKEEN Ln	X			1	22	STOP
	BESKEEN Ln	X			1	33	LIMIT LINE
	RV PARK DRIVEWAY			X	1	22	STOP
	RV PARK DRIVEWAY			X	1	43	LIMIT LINE
	SPANISH CREEK Rd	X			1	22	STOP
	SPANISH CREEK Rd	X			1	30	LIMIT LINE
	42.62		X		2	30	TYPE IV(L) ARROW
	ORION WAY	X			1	35	LIMIT LINE
	ORION WAY	X			1	22	STOP
	42.75		X		2	30	TYPE IV(L) ARROW
	42.89	X			1	42	TYPE VI ARROW
	42.93	X			1	42	TYPE VI ARROW
	42.96		X		2	30	TYPE IV(L) ARROW
	42.97	X			1	42	TYPE VI ARROW
	43.05		X		2	30	TYPE IV(L) ARROW
SUBTOTAL 1						1486	

PAVEMENT DELINEATION QUANTITIES
PDQ-2

REVISED BY | DATE REVISED
SCOTT GREGORY | DENISE FUZERE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | LANCE BROWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® MAINTENANCE

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LAST REVISION 03-05-13 | DATE PLOTTED => 28-MAR-2013 | TIME PLOTTED => 09:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	17	33

REGISTERED CIVIL ENGINEER DATE 03-05-13

PLANS APPROVAL DATE 03-05-13

REGISTERED PROFESSIONAL ENGINEER SCOTT C. GREGORY No. C75565 Exp. 06-30-14 CIVIL STATE OF CALIFORNIA

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REMOVE THERMOPLASTIC PAVEMENT MARKING (Cont)

Dir	PM/LOCATION	Lt	Mid	Rt	(N) EA	SQFT	REMARKS
EB	R43.10	X			1	275	DELINEATED ISLAND
	R43.10	X			1	12	LIMIT LINE
	R43.10	X			1	22	STOP
	R43.10		X	X	1	43	RECESSED CROSSWALK
	R43.14	X		X	2	36	PED
	R43.14	X		X	2	42	XING
	R43.14	X			1	31	AHEAD
	R43.14	X			1	22	STOP
	R43.14			X	2	66	TYPE V ARROW
	R43.15	X			1	21	XING
	R43.15	X	X	X	1	169	* RECESSED CROSSWALK
	R43.16	X			1	18	PED
	MAIN St			X	1	22	STOP
	MAIN St			X	1	36	LIMIT LINE
	COURT St			X	1	22	STOP
	COURT St			X	1	67	RECESSED CROSSWALK
	COURT St			X	1	100	DELINEATED ISLAND
	COURT St			X	1	15	TYPE IV(R) ARROW
	R43.18	X		X	2	66	TYPE V ARROW
	R43.23	X		X	2	66	TYPE V ARROW
	R43.23	X	X	X	1	98	RECESSED CROSSWALK
	BRADLEY St	X		X	2	44	STOP
	BRADLEY St	X		X	2	136	RECESSED CROSSWALK
	R43.24	X	X	X	1	102	RECESSED CROSSWALK
	R43.28	X		X	2	66	TYPE V ARROW
	R43.28	X	X	X	1	89	RECESSED CROSSWALK
	HARBISON St			X	1	22	STOP
	HARBISON St			X	1	71	RECESSED CROSSWALK
	RAILWAY Ave	X			1	22	STOP
	RAILWAY Ave	X			1	87	RECESSED CROSSWALK
	R43.30	X	X	X	1	89	RECESSED CROSSWALK
	R43.34	X		X	2	66	TYPE V ARROW
	R43.35	X	X	X	1	85	RECESSED CROSSWALK
	FILMORE St			X	1	22	STOP
	FILMORE St			X	1	75	RECESSED CROSSWALK
	R43.41	X		X	2	66	TYPE V ARROW
	R43.41	X	X	X	1	82	RECESSED CROSSWALK
	CHURCH St	X		X	2	44	STOP
	CHURCH St	X		X	2	154	RECESSED CROSSWALK
	R43.42	X	X	X	1	82	RECESSED CROSSWALK
	R43.49	X		X	2	66	TYPE V ARROW
	CLOMAN Ave	X			1	22	STOP
	CLOMAN Ave	X			1	86	RECESSED CROSSWALK
	EAST St			X	1	22	STOP
	EAST St			X	1	49	RECESSED CROSSWALK
	R43.52	X	X	X	1	82	RECESSED CROSSWALK
	R43.60	X		X	2	66	TYPE V ARROW
	R43.60	X	X	X	1	80	RECESSED CROSSWALK
	ROCHE Ave			X	1	22	STOP
	ROCHE Ave			X	1	44	RECESSED CROSSWALK
	R43.64	X		X	2	66	TYPE V ARROW
	SUBTOTAL 2					3258	

* CROSSWALK IS ENHANCED WITH PATTERN

REMOVE THERMOPLASTIC PAVEMENT MARKING (Cont)

Dir	PM/LOCATION	Lt	Mid	Rt	(N) EA	SQFT	REMARKS
EB	R43.64	X	X	X	1	85	RECESSED CROSSWALK
	R43.65	X			1	20	LIMIT LINE
	R43.65	X			1	22	STOP
	R43.67	X		X	2	66	TYPE V ARROW
WB	R43.10			X	1	22	STOP
	R43.10	X		X	1	93	RECESSED CROSSWALK
	R43.11		X		1	15	TYPE IV(L) ARROW
	R43.12	X		X	2	66	TYPE V ARROW
	R43.19	X	X	X	1	76	RECESSED CROSSWALK
	PLUMAS Ave			X	1	22	STOP
	PLUMAS Ave			X	1	51	RECESSED CROSSWALK
	BRADLEY St	X			1	22	STOP
	BRADLEY St	X			1	76	RECESSED CROSSWALK
	R43.21	X	X	X	1	81	RECESSED CROSSWALK
	R43.22	X		X	2	66	TYPE V ARROW
	LEONARD Ave			X	1	22	STOP
	LEONARD Ave			X	1	64	RECESSED CROSSWALK
	R43.26	X	X	X	1	79	RECESSED CROSSWALK
	RAILWAY Ave	X		X	2	44	STOP
	RAILWAY Ave	X		X	2	132	RECESSED CROSSWALK
	R43.27	X	X	X	1	79	RECESSED CROSSWALK
	R43.28	X		X	2	66	TYPE V ARROW
	CHURCH St	X			1	22	STOP
	CHURCH St	X			1	79	RECESSED CROSSWALK
	R43.39	X	X	X	1	81	RECESSED CROSSWALK
	R43.39	X		X	2	66	TYPE V ARROW
	R43.46	X	X	X	1	79	RECESSED CROSSWALK
	CLOMAN Ave	X			1	22	STOP
	CLOMAN Ave	X			1	73	RECESSED CROSSWALK
	R43.47	X	X	X	1	83	RECESSED CROSSWALK
	R43.48	X		X	2	66	TYPE V ARROW
	R43.59	X	X	X	1	83	RECESSED CROSSWALK
	R43.59	X			1	20	LIMIT LINE
	R43.59	X			1	22	STOP
	R43.60	X		X	2	66	TYPE V ARROW
	R43.62	X		X	2	66	TYPE V ARROW
WB/EB	43.82		X		1	15	TYPE IV(L) ARROW
	43.91			X	1	33	LIMIT LINE
	43.91			X	1	22	STOP
	43.93		X		2	30	TYPE IV(L) ARROW
	CLAREMONT Dr			X	1	22	STOP
	SUBTOTAL 3					2219	

REMOVE THERMOPLASTIC PAVEMENT MARKING (Cont)

Dir	PM/LOCATION	Lt	Mid	Rt	(N) EA	SQFT	REMARKS
WB/EB	CLAREMONT Dr			X	1	18	LIMIT LINE
	44.02		X		2	30	TYPE IV(L) ARROW
	44.12			X	1	22	STOP
	44.12			X	1	46	LIMIT LINE
	44.13		X		2	30	TYPE IV(L) ARROW
	44.21			X	1	22	STOP
	44.21			X	1	23	LIMIT LINE
	44.23		X		2	30	TYPE IV(L) ARROW
	44.36		X		2	84	TYPE III (L) ARROW
	44.50		X		2	84	TYPE III (L) ARROW
	RADIO HILL Rd	X			1	22	STOP
	RADIO HILL Rd	X			1	15	LIMIT LINE
	44.56			X	1	22	STOP
	44.56			X	1	26	LIMIT LINE
	44.61		X		2	84	TYPE III (L) ARROW
	44.78		X		2	84	TYPE III (L) ARROW
	44.86		X		2	84	TYPE III (L) ARROW
	44.98		X		1	15	TYPE IV(L) ARROW
	45.02		X		1	15	TYPE IV(L) ARROW
	FAIRGROUND Rd	X			1	22	STOP
	FAIRGROUND Rd	X			1	36	LIMIT LINE
	PEPPARD FLAT Rd			X	1	22	STOP
	PEPPARD FLAT Rd			X	1	38	LIMIT LINE
	45.05		X		1	15	TYPE IV(L) ARROW
	45.10		X		1	15	TYPE IV(L) ARROW
	45.11			X	1	40	LIMIT LINE
	45.11			X	1	22	STOP
	45.16			X	1	40	LIMIT LINE
	45.16			X	1	22	STOP
	45.18		X		2	30	TYPE IV(L) ARROW
	45.21	X			2	44	STOP
	45.21	X			1	85	LIMIT LINE
	SUNRISE Ln			X	1	22	STOP
	SUNRISE Ln			X	1	51	LIMIT LINE
	45.23	X			1	22	STOP
	45.23	X			1	40	LIMIT LINE
	45.26	X			1	120	RECESSED CROSSWALK
	45.29		X		1	15	TYPE IV(L) ARROW
	45.32		X		1	15	TYPE IV(L) ARROW
	REDBERG Ave (N)	X			1	90	RECESSED CROSSWALK
	REDBERG Ave (N)	X			1	22	STOP
	REDBERG Ave (S)			X	1	31	LIMIT LINE
	REDBERG Ave (S)			X	1	22	STOP
	45.35	X	X	X	1	169	RECESSED CROSSWALK
	45.36		X		1	15	TYPE IV(L) ARROW
	ABERNATHY Ln			X	1	22	STOP
	ABERNATHY Ln			X	1	26	LIMIT LINE
	45.41		X		1	15	TYPE IV(L) ARROW
	45.47		X		2	30	TYPE IV(L) ARROW
	SUBTOTAL 4					1914	

PAVEMENT DELINEATION QUANTITIES

PDQ-3

REVISED BY | DATE REVISED

SCOTT GREGORY | DENISE FUZERE

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: LANCE BROWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® MAINTENANCE

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LAST REVISION 03-05-13 | DATE PLOTTED => 28-MAR-2013 | TIME PLOTTED => 09:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	18	33

REGISTERED CIVIL ENGINEER 03-05-13 DATE

03-05-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SCOTT C. GREGORY No. C75565 Exp. 06-30-14 CIVIL STATE OF CALIFORNIA

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PAVEMENT MARKER (RETROREFLECTIVE-RECESSED)

PM LIMITS	TYPE D	TYPE G	TYPE H
	EA	EA	EA
37.50-46.20	4919	1035	63
TOTAL	6017		

REMOVE THERMOPLASTIC PAVEMENT MARKING (Cont)

Dir	PM/LOCATION	Lt	Mid	Rt	(N) EA	SQFT	REMARKS
WB/EB	45.56		X		1	15	TYPE IV(L) ARROW
	45.58		X		1	15	TYPE IV(L) ARROW
	45.60		X		1	15	TYPE IV(L) ARROW
	45.63		X		1	15	TYPE IV(L) ARROW
	45.68		X		2	30	TYPE IV(L) ARROW
	ALTA Ave	X			1	22	STOP
	ALTA Ave	X			1	81	RECESSED CROSSWALK
	45.74	X	X	X	1	155	RECESSED CROSSWALK
	45.83		X		2	30	TYPE IV(L) ARROW
	FIRST St			X	1	22	STOP
	FIRST St			X	1	21	LIMIT LINE
	45.93		X		1	15	TYPE IV(L) ARROW
	45.95		X		1	15	TYPE IV(L) ARROW
	46.02		X		2	30	TYPE IV(L) ARROW
	46.09	X			1	22	STOP
	46.09	X			1	31	LIMIT LINE
	46.11			X	1	42	TYPE VI ARROW
	46.12		X		1	15	TYPE IV(L) ARROW
	MEADOW Ln	X			1	22	STOP
	MEADOW Ln	X			1	26	LIMIT LINE
	REESE St			X	1	22	STOP
	REESE St			X	1	28	LIMIT LINE
	46.15		X		1	15	TYPE IV(L) ARROW
	46.15			X	1	42	TYPE VI ARROW
	46.18			X	1	42	TYPE VI ARROW
SUBTOTAL 5						788	
TOTAL						9665	

THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)

PM LIMITS	DETAIL 9	DETAIL 12	DETAIL 19	DETAIL 21	DETAIL 22	DETAIL 27B	DETAIL 27C	DETAIL 29	DETAIL 32	DETAIL 38	DETAIL 39	DETAIL 39A
	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF
37.50-42.74		8619	1479	243	24,361	50,145	714	995	692	1098	4170	164
42.74-44.28	12,592	656		1320	1152	7638			4204	489		
44.28-45.12	814	7937		105	1004	8636	223		3476	787		
45.12-46.20	10,724			712	2514	5134			3040	1710		
SUBTOTAL	24,130	17,212	1479	2380	29,031	71,553	937	995	11,412	4084	4170	164
TOTAL	167,547											

REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)

PM LIMITS	DETAIL 19	DETAIL 21	DETAIL 22	DETAIL 29	DETAIL 32
	LF	LF	LF	LF	LF
37.50-41.48 NON RECESSED STRIPE	1479		19,215	585	
41.48-46.20 RECESSED STRIPE		2380	9816	410	11,412
TOTAL	45,297				

REMOVE THERMOPLASTIC TRAFFIC STRIPE

PM LIMITS	DETAIL 9	DETAIL 12	DETAIL 27B	DETAIL 27C	DETAIL 38	DETAIL 39	DETAIL 39A
	LF	LF	LF	LF	LF	LF	LF
37.50-41.48 NON RECESSED STRIPE		8501	41,645	542	317		
41.48-46.20 RECESSED STRIPE	24,130	8711	29,908	395	3767	4170	164
TOTAL	122,250						

REMOVE YELLOW THERMOPLASTIC PAVEMENT MARKING (HAZARDOUS WASTE)

Dir	PM/LOCATION	Lt	Mid	Rt	(N) EA	SQFT	REMARKS
WB/EB	45.59	X	X	X	1	156	RECESSED CROSSWALK (YELLOW)
	MILL CREEK Rd	X		X	2	151	RECESSED CROSSWALK (YELLOW)
	45.60	X	X	X	1	150	RECESSED CROSSWALK (YELLOW)
	TOTAL					457	

PAVEMENT DELINEATION QUANITITES

PDQ-4

REVISED BY | DATE REVISED
SCOTT GREGORY | DENISE FUZERE
CALCULATED-DESIGNED BY | CHECKED BY
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LAST REVISION 03-05-13 | DATE PLOTTED => 28-MAR-2013 | TIME PLOTTED => 09:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	19	33

REGISTERED CIVIL ENGINEER 03-05-13 DATE

03-05-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SCOTT C. GREGORY No. C75565 Exp. 06-30-14 CIVIL STATE OF CALIFORNIA

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

NOTES:

1. (N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY
2. * ACTUAL LOCATIONS OF REPLACE ASPHALT CONCRETE SURFACING TO BE DETERMINED BY THE ENGINEER.
3. EXISTING UTILITY FACILITY INFORMATION IS INCOMPLETE.

ROADWAY QUANTITIES SUMMARY

Dir	PM LIMITS	(N) LENGTH	(N) WIDTH	MICRO-SURFACING	HMA (TYPE A)	TACK COAT
	PM - PM	LF	LF	TON	TON	TON
EB/ WB	37.50-37.70	1056.0	26			
	37.70-37.75	264.0	37-35			
	37.75-37.88	686.4	35-27			
	37.88-38.45	3009.6	27-26			
	38.45-39.00	2904.0	26-25			
	39.00-39.64	3379.2	25-26			
	39.64-39.70	316.8	26-53			
	39.70-39.72	105.6	53-50			
	39.72-39.82	528.0	50-28			
	39.82-40.00	950.4	28-26			
	40.00-40.09	475.2	26-28			
	40.09-40.13	211.2	28-48			
	40.13-40.92	4171.2	48-53			
	40.92-40.93	52.8	53-60			
	40.93-41.00	369.6	60-63			
	41.00-41.15	792.0	63-65			
	41.15-41.19	211.2	65-57			
	41.19-41.53	1795.2	57-58			
	41.53-41.54	52.8	58-41	2159		
	41.54-41.64	528.0	41-39			
	41.64-41.84	1056.0	39-43			
	41.84-41.94	528.0	43-54			
	41.94-42.02	422.4	54-51			
	42.02-42.13	580.8	61-52			
	42.13-42.24	580.8	42-41			
	42.24-42.34	528.0	41-42			
	42.34-42.44	528.0	42-34			
	SPANISH CREEK Br	NO WORK				
	42.51-42.54	158.4	34-44			
	42.54-42.64	528.0	44-60			
	42.64-42.74	528.0	60-54			
	42.74-42.77	158.4	64-53			
	42.77-42.78	52.8	53-76			
	42.78-42.84	316.8	76-78			
	42.84-42.93	475.2	78-81			
	42.93-42.98	264.0	81-74			
	42.98-43.04	316.8	74			
	43.04-43.06	105.6	74-75			
	43.06-R43.09	158.4	75-64			
EB	R43.09-R43.11	105.6	SEE SHEET L-3			
	R43.11-R43.19	422.4	41-45			
	R43.19-R43.26	369.6	45-41			
	R43.26-R43.35	475.2	41-39			
	R43.35-R43.36	52.8	39-36			
	R43.36-R43.45	475.2	36		2372	10.3
	R43.45-R43.46	52.8	36-38			
	R43.46-R43.56	528.0	38-36			
	R43.56-R43.64	422.4	36			
	R43.64-R43.70	316.8	SEE SHEET L-5			
WB	R43.09-R43.11	105.6	SEE SHEET L-3			
	R43.11-R43.59	2534.4	36			
	R43.59-R43.65	316.8	SEE SHEET L-5			
EB/ WB	43.70-43.80	633.6	74			
	43.80-43.90	422.4	74-86			
	43.90-44.31	2164.8	74			
	44.31-44.35	211.2	74-78			
	44.35-44.91	2956.8	78			
	44.91-45.01	528.0	78-74			
	45.01-45.14	686.4	74			
	45.14-45.20	316.8	92	1807		
	45.20-45.31	580.8	74			
	45.31-45.42	580.8	74-76			
	45.42-45.51	475.2	76			
	45.51-45.61	528.0	76-74			
	45.61-46.20	3115.2	74			
TOTAL				3966	2372	10.3

ABBREVIATIONS:

Dir DIRECTION

PREPAVING GRINDING DAY

POSTMILE LIMITS	EA
42.98-43.80	1
TOTAL	1

SUMMARY OF QUANTITIES

Q-1

REVISED BY | DATE REVISED
SCOTT GREGORY | DENISE FUZERE
CALCULATED-DESIGNED BY | CHECKED BY
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	20	33

Scott C. Gregory 03-05-13
REGISTERED CIVIL ENGINEER DATE

03-05-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
SCOTT C. GREGORY
No. C75565
Exp. 06-30-14
CIVIL
STATE OF CALIFORNIA

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

NOTES:

1. (N) - NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY
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COLD PLANE ASPHALT CONCRETE PAVEMENT

Dir	PM	(N) WIDTH	(N) LENGTH	AREA	REMARKS
		LF	LF	SQYD	
EB/ WB	37.50	26	40	116	BEGIN JOB MAINLINE CONFORM TAPER
	38.45	4	81	36	OLD HIGHWAY CONFORM TAPER - Lt
	39.32	4	62	28	CHANDLER Rd CONFORM TAPER - Lt
	39.42	4	114	51	BLACKHAWK Rd CONFORM TAPER - Rt
	39.64	4	67	30	USFS STATION CONFORM TAPER - Rt
	39.83	4	43	20	BARLOW Rd CONFORM TAPER - Lt
	41.39	4	285	127	WEST'S RANCH Rd CONFORM TAPER - Lt
	41.51	4	30	14	PURDY Ln CONFORM TAPER - Rt
	42.00	4	35	16	WEST'S RANCH Rd CONFORM TAPER - Lt
	42.01	4	56	25	GOLDEN EAGLE Ave CONFORM TAPER - Rt
	42.38	4	83	37	BESKEEN Ln CONFORM TAPER - Lt
	42.44	34	16	61	SPANISH Cr Br BB CONFORM TAPER (09-0018)
	42.51	34	16	61	SPANISH Cr Br EB CONFORM TAPER (09-0018)
	42.59	4	20	9	SPANISH CREEK Rd CONFORM TAPER - Lt
	42.74	4	59	27	ORION WAY CONFORM TAPER - Lt
EB	42.98	74	40	329	CONFORM TO MILL AND FILL
	42.98-43.04	74	317	2607	MILL AND FILL SECTION
	43.04	74	40	329	CONFORM TO MILL AND FILL
	43.04-R43.09	4	528	235	GUTTER TAPER-SEE SHEET L-2
	R43.09-R43.11	4	276	123	GUTTER TAPER-SEE SHEET L-3
	R43.11-R43.29	4	2404	1069	GUTTER TAPER-SEE SHEET L-3
	R43.29-R43.49	4	2199	978	GUTTER TAPER-SEE SHEET L-4
	R43.49-R43.64	4	1538	684	GUTTER TAPER-SEE SHEET L-5
	R43.11-R43.20	4	1618	720	GUTTER TAPER-SEE SHEET L-3
	R43.20-R43.46	4	2132	948	GUTTER TAPER-SEE SHEET L-4
	R43.46-R43.59	4	1385	616	GUTTER TAPER-SEE SHEET L-5
	R43.59,R43.64-43.70	4	985	438	GUTTER TAPER-SEE SHEET L-5
WB	43.70	74	40	329	CONFORM TO MILL AND FILL
	43.70-43.80	74	528	4342	MILL AND FILL
	43.74	SEE SHEET C-1		256	LINDAN Ave MILL AND FILL- Rt
	43.74	SEE SHEET C-1		135	LINDAN Ave MILL AND FILL- Lt
	43.79	SEE SHEET C-1		270	QUINCY JUNCTION Rd MILL AND FILL- Lt
	43.79	SEE SHEET C-1		205	DRIVEWAY MILL AND FILL
EB/ WB	43.80	74	40	329	CONFORM TO MILL AND FILL
	43.91	4	39	18	DRIVEWAY CONFORM TAPER - Rt
	43.98	4	29	13	CLAREMONT Dr CONFORM TAPER - Rt
	44.51	4	22	10	RADIO HILL Rd CONFORM TAPER - Lt
	45.05	4	54	24	FAIRGROUND Rd CONFORM TAPER - Lt
	45.05	4	34	16	PEPPARD FLAT Rd CONFORM TAPER - Rt
	45.21	4	40	18	SUNRISE Ln CONFORM TAPER - Rt
	45.34	4	23	11	REDBERG Ave CONFORM TAPER - Rt
	45.34	4	29	13	REDBERG Ave CONFORM TAPER - Lt
	45.39	4	23	11	ABERNATHY Ln CONFORM TAPER - Rt
	45.59	4	37	17	MILL CREEK Rd CONFORM TAPER - Lt
	45.59	4	37	17	MILL CREEK Rd CONFORM TAPER - Rt
	45.74	4	36	16	ALTA Ave CONFORM TAPER - Lt
	45.92	4	34	16	FIRST St CONFORM TAPER - Rt
	46.09	4	39	18	ROAD CONNECTION CONFORM TAPER - Lt
	46.15	4	40	18	MEADOW Ln CONFORM TAPER - Lt
	46.15	4	35	16	REESE St CONFORM TAPER - Rt
	46.20	74.2	16	132	END JOB MAINLINE CONFORM TAPER
		TOTAL		15,984	

ADJUST UTILITY COVER TO GRADE

PM	UTILITY LOCATION	SHEET No.	WATER VALVE BOX	SANITARY SEWER MANHOLE	UTILITY COVER
			EA	EA	EA
42.90	1	L-2		1	
42.92	2	L-2		1	
42.94	3	L-2		1	
42.98	4	L-2		1	
42.98	5	L-2	1		
42.98	5a	L-2	1		
R43.11	6	L-3	1		
R43.11	7	L-3	1		
R43.11	8	L-3	1		
R43.17	9	L-3		1	
R43.17	10	L-3		1	
R43.17	11	L-3	1		
R43.17	12	L-3	1		
R43.20	13	L-3	1		
R43.24	14	L-3		1	
R43.24	15	L-3			1
R43.24	16	L-3	1		
R43.24	17	L-3	1		
R43.24	18	L-3	1		
R43.24	19	L-3	1		
R43.24	20	L-3		1	
R43.24	21	L-3			1
R43.24	22	L-3			1
R43.28	23	L-3	1		
R43.28	24	L-3	1		
R43.28	25	L-3		1	
R43.28	26	L-3	1		
R43.29	27	L-3	1		
R43.11	28	L-3		1	
R43.11	28A	L-3		1	
R43.11	29	L-3	1		
R43.11	30	L-3	1		
R43.16	31	L-3	1		
R43.16	32	L-3		1	
R43.16	33	L-3		1	
R43.16	34	L-3	1		
R43.16	35	L-3		1	
R43.20	36	L-3	1		
R43.20	37	L-3	1		
R43.20	38	L-3	1		
R43.20	39	L-3		1	
R43.22	40	L-3	1		
R43.25	41	L-3	1		
SUBTOTAL			25	15	3

SUMMARY OF QUANTITIES

Q-2

REVISED BY | DATE REVISED
SCOTT GREGORY | DENISE FUZERE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR | LANCE BROWN

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	21	33

REGISTERED CIVIL ENGINEER 03-05-13 DATE

03-05-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER SCOTT C. GREGORY No. C75565 Exp. 06-30-14 CIVIL STATE OF CALIFORNIA

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ADJUST UTILITY COVER TO GRADE (Cont)

PM	UTILITY LOCATION	SHEET No.	WATER VALVE BOX	SANITARY SEWER MANHOLE	UTILITY COVER
			EA	EA	EA
R43.32	42	L-4	1		
R43.35	43	L-4	1		
R43.35	44	L-4	1		
R43.35	45	L-4	1		
R43.35	46	L-4		1	
R43.36	47	L-4	1		
R43.39	48	L-4		1	
R43.42	49	L-4	1		
R43.42	50	L-4	1		
R43.42	51	L-4	1		
R43.42	52	L-4		1	
R43.42	53	L-4	1		
R43.43	54	L-4	1		
R43.46	55	L-4		1	
R43.27	56	L-4	1		
R43.27	57	L-4	1		
R43.27	58	L-4	1		
R43.27	59	L-4	1		
R43.29	60	L-4	1		
R43.31	61	L-4	1		
R43.39	62	L-4	1		
R43.39	63	L-4	1		
R43.39	64	L-4	1		
R43.39	65	L-4		1	
R43.39	66	L-4		1	
R43.39	67	L-4	1		
R43.42	68	L-4	1		
R43.52	69	L-5		1	
R43.52	70	L-5	1		
R43.52	71	L-5	1		
R43.52	72	L-5		1	
R43.52	73	L-5	1		
R43.52	74	L-5	1		
R43.52	75	L-5	1		
R43.52	76	L-5	1		
R43.54	77	L-5	1		
R43.54	78	L-5		1	
R43.55	79	L-5	1		
R43.62	80	L-5		1	
R43.62	81	L-5		1	
R43.62	82	L-5	1		
R43.62	83	L-5	1		
SUBTOTAL			31	11	

ADJUST UTILITY COVER TO GRADE (Cont)

PM	UTILITY LOCATION	SHEET No.	WATER VALVE BOX	SANITARY SEWER MANHOLE	UTILITY COVER
			EA	EA	EA
R43.62	84	L-5	1		
R43.64	85	L-5	1		
R43.68	86	L-5		1	
R43.68	87	L-5		1	
R43.47	88	L-5		1	
R43.47	89	L-5	1		
R43.47	90	L-5	1		
R43.47	91	L-5	1		
R43.48	92	L-5	1		
R43.53	93	L-5		1	
R43.54	94	L-5	1		
R43.56	95	L-5	1		
R43.58	96	L-5		1	
R43.69	97	L-5		1	
R43.69	98	L-5		1	
43.74	99	L-6	1		
43.74	100	L-6	1		
43.74	101	L-6	1		
43.74	102	L-6	1		
45.53	103	L-7		1	
45.59	104	L-7		1	
45.59	105	L-7	1		
45.59	106	L-7	1		
45.66	107	L-7		1	
45.71	108	L-7		1	
45.59	109	L-7	1		
45.59	110	L-7	1		
45.74	111	L-7	1		
45.78	112	L-8		1	
45.85	113	L-8		1	
45.92	114	L-8		1	
45.92	115	L-8	1		
46.00	116	L-8		1	
46.05	117	L-8		1	
46.15	118	L-8	1		
46.15	119	L-8	1		
46.15	120	L-8		1	
46.15	121	L-8		1	
46.19	122	L-8		1	
46.19	123	L-8		1	
SUBTOTAL			20	20	
TOTAL			125		

TREATED WOOD WASTE

PM	LB
40.34-45.51	18,000
TOTAL	18,000

REPLACE ASPHALT CONCRETE SURFACING

PM	(N) Approx No. OF DIGOUTS	(N) LENGTH Avg	(N) WIDTH	(N) DEPTH	* REPLACE ASPHALT CONCRETE SURFACING
PM - PM		LF	LF	LF	CY
37.50-46.20	119	100	4	0.33	582
				TOTAL	582

*EXACT LOCATIONS OF REPLACE ASPHALT CONCRETE SURFACING TO BE DETERMINED BY ENGINEER

METAL BEAM GUARD RAILING

PM	SIDE R+/L+	RECONSTRUCT MBGR	ADJUST MBGR	END ANCHOR ASSEMBLY (TYPE SFT)	(N) RECONSTRUCT END ANCHOR ASSEMBLY (TYPE SFT)	(N) RECONSTRUCT TERMINAL SYSTEM (TYPE SRT)
		LF	LF	EA	EA	EA
40.34-40.57	L+	1213*			1	1
45.50-45.51	R+	38	50	1		1
45.50-45.51	L+		75	1		
TOTAL		1251	125	2	1	2

*RECONSTRUCT USING STEEL POSTS

SUMMARY OF QUANTITIES

Q-3

REVISED BY | DATE REVISED
SCOTT GREGORY | DENISE FUZERE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR
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LAST REVISION 03-05-13 | DATE PLOTTED => 28-MAR-2013 | TIME PLOTTED => 09:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.22	22	33

ART 03-05-13
REGISTERED ELECTRICAL ENGINEER DATE

03-05-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER A.P. ROBLES No. E15293 Exp. 3-31-15 ELECTRICAL STATE OF CALIFORNIA

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

NOTE:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXISTING UTILITY FACILITY INFORMATION IS INCOMPLETE.

ABBREVIATIONS;

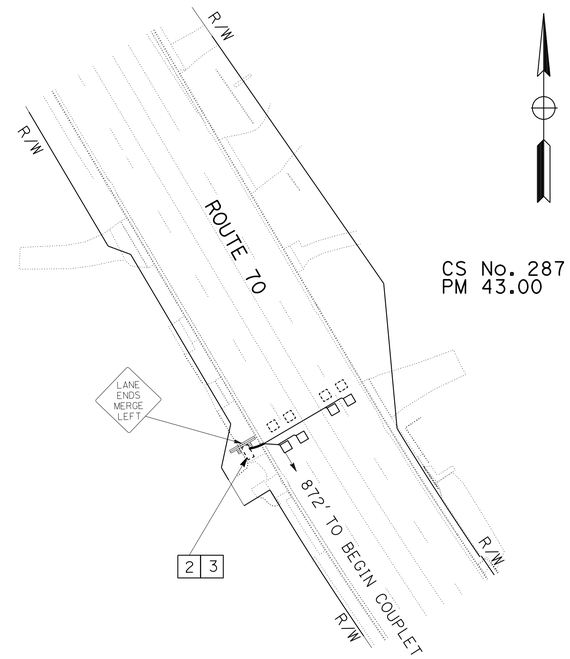
CS COUNT STATION

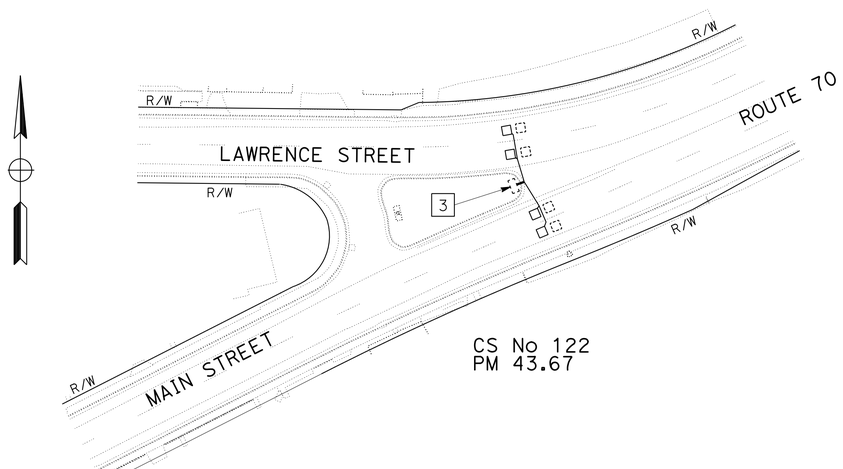
NOTES (THIS SHEET):

1. AB EXISTING LOOPS. REUSE CONDUIT STUB-OUT.

   2 EXISTING PULL BOX ADJACENT TO SIGN POST.

   3 COIL 10' OF LOOP WIRES IN THE PULL BOX.





MODIFY TRAFFIC COUNT STATION

NO SCALE

E-1

APPROVED FOR ELECTRICAL WORK ONLY

REVISED BY | DATE REVISED

ARTURO ROBLES | SCOTT GREGORY

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: ROB STINGER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
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BORDER LAST REVISED 7/2/2010 | USERNAME => s115152 | DGN FILE => 24e980ua001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0147 | PROJECT NUMBER & PHASE 02120001151

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.22	23	33

ART 03-05-13
REGISTERED ELECTRICAL ENGINEER DATE

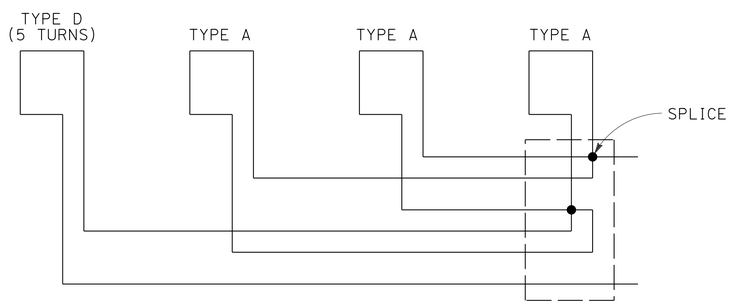
03-05-13
PLANS APPROVAL DATE

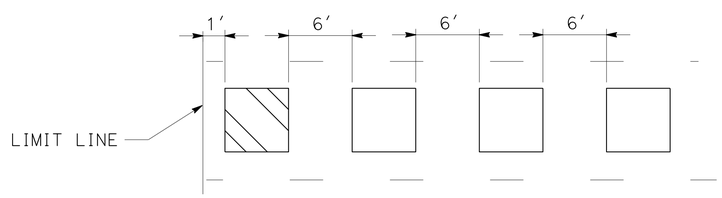
REGISTERED PROFESSIONAL ENGINEER
A.P. ROBLES
No. E15293
Exp. 3-31-15
ELECTRICAL
STATE OF CALIFORNIA

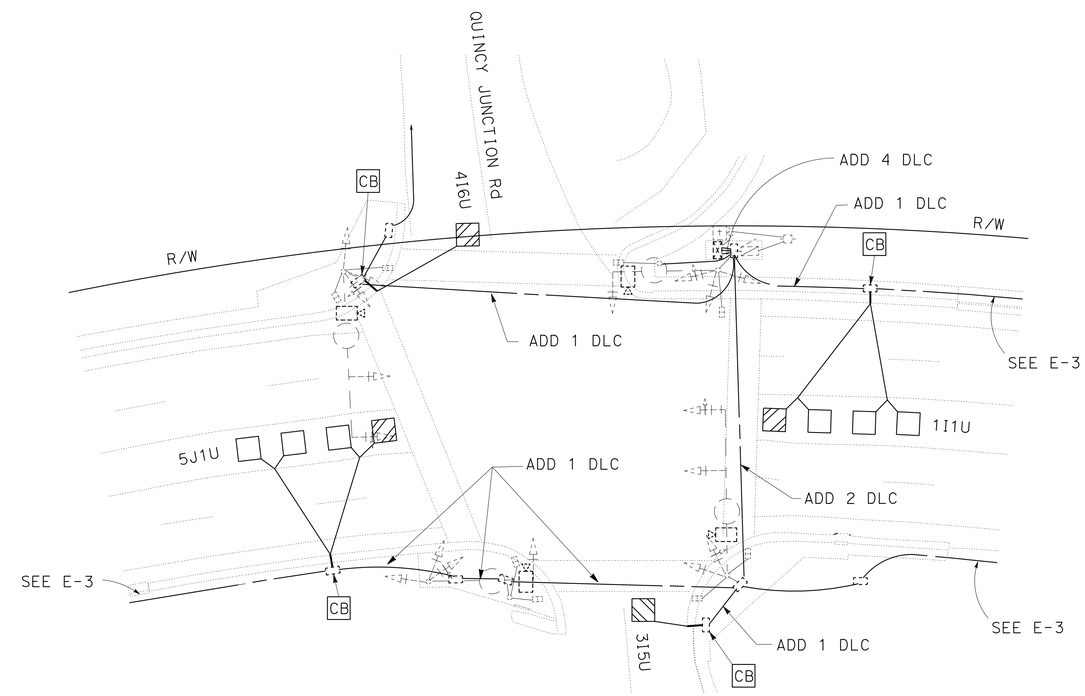
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXISTING UTILITY FACILITY INFORMATION IS INCOMPLETE.







MODIFY SIGNAL

SCALE: 1" = 20'

E-2

APPROVED FOR ELECTRICAL WORK ONLY

REVISED BY | DATE REVISED
ARTURO ROBLES | SCOTT GREGORY
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR
ROB STINGER

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

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LAST REVISION 03-05-13 | DATE PLOTTED => 28-MAR-2013 | TIME PLOTTED => 09:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.22	24	33

REGISTERED ELECTRICAL ENGINEER 03-05-13 DATE

PLANS APPROVAL DATE 03-05-13

REGISTERED PROFESSIONAL ENGINEER A.P. ROBLES No. E15293 Exp. 3-31-15 ELECTRICAL STATE OF CALIFORNIA

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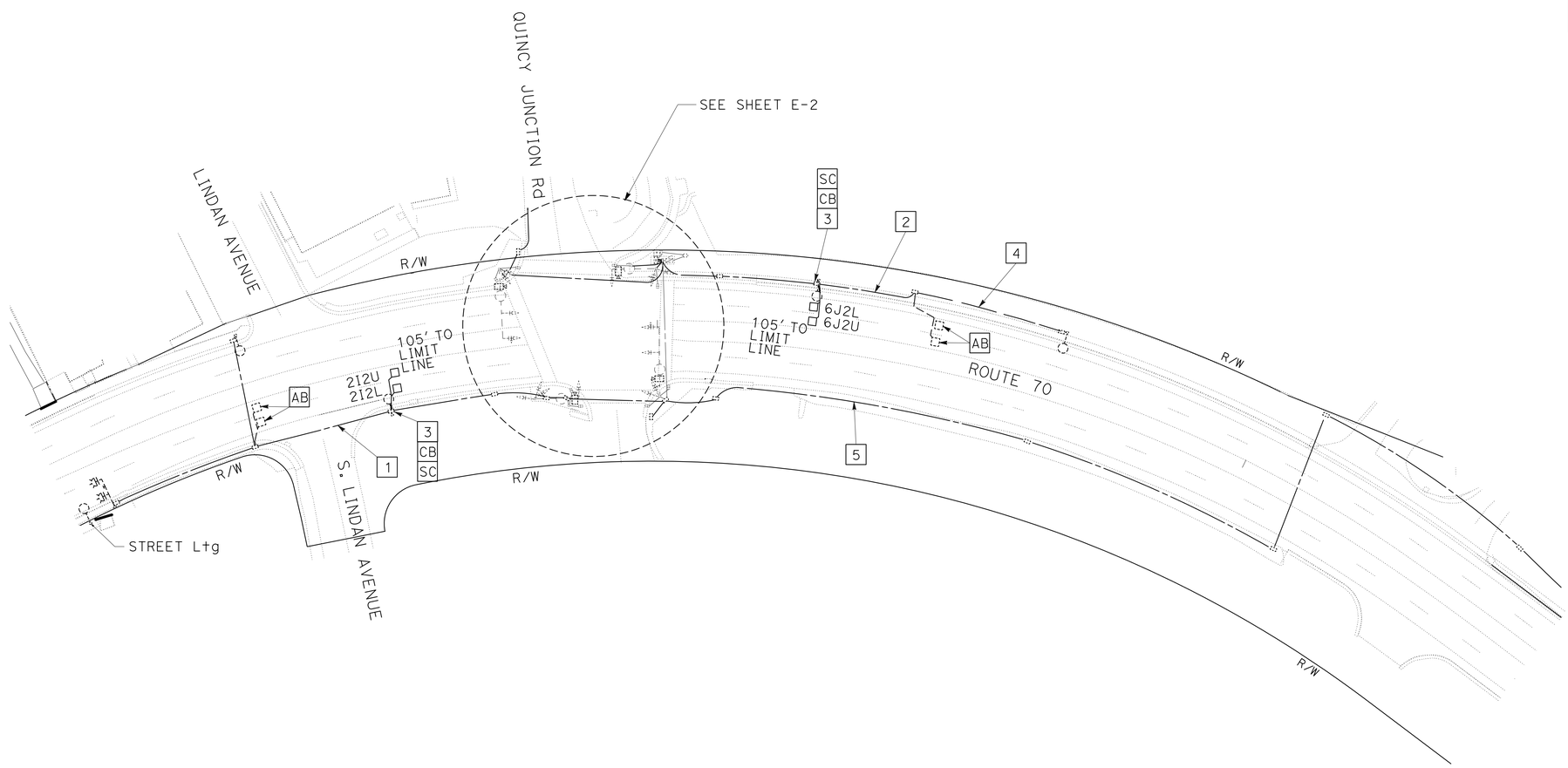
NOTE:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXISTING UTILITY FACILITY INFORMATION IS INCOMPLETE.

NOTES (THIS SHEET):

1. Exist 2"C, 2#8 (ltg), 3#10 (fb), 2 dlc. REMOVE 2 dlc.
2. Exist 1½"C, 2#8 (ltg), 2 dlc. REMOVE 2 dlc.
3. PULL dlc TO THIS PULL BOX, CUT EXCESS AND SPLICE TO NEW LOOPS.
4. Exist 1½"C, 2#8 (ltg).
5. Exist 1"C, 3#10 (fb).



MODIFY SIGNAL

SCALE: 1" = 50'

E-3

APPROVED FOR ELECTRICAL WORK ONLY

ARTURO ROBLES — CALCULATED-DESIGNED BY

SCOTT GREGORY — CHECKED BY

ROB STINGER — FUNCTIONAL SUPERVISOR

REVISED BY — DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® **ELECTRICAL DESIGN**

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LAST REVISION 03-05-13 | DATE PLOTTED => 28-MAR-2013 | TIME PLOTTED => 09:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.22	25	33

REGISTERED ELECTRICAL ENGINEER 03-05-13 DATE

PLANS APPROVAL DATE 03-05-13

REGISTERED PROFESSIONAL ENGINEER A.P. ROBLES No. E15293 Exp. 3-31-13 ELECTRICAL STATE OF CALIFORNIA

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

NOTES:

1. (N) - NOT A SEPARATE PAY ITEM. FOR INFORMATION ONLY.
2. EXISTING UTILITY FACILITY INFORMATION IS INCOMPLETE.

EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS TO BE MAINTAINED

TYPE	LOCATION	DESCRIPTION
HAR FLASHER	Plu-70-42.08	W QUINCY FOR EB & WB TRAFFIC (BACK TO BACK)
HAR FLASHER	Plu-70-45.23	E QUINCY FOR EB & WB TRAFFIC
HAR	Plu-70-45.24	WITHIN QUINCY MTCE YARD

LOOP DETECTORS TO REMAIN IN PLACE AND OPERATIONAL (N)

ID No.	LOCATION	TYPE	DESCRIPTION	EQUIPMENT
240	Plu-70-R41.46	PROFILE	1827' W OF GOLDEN EAGLE Ave	2 LOOPS
247	Plu-70-42.27	PROFILE	1478' E OF GOLDEN EAGLE Ave	2 LOOPS
200	Plu-70-45.25	TREND	NEAR QUINCY MTCE YARD	5 LOOPS

TRAFFIC COUNT STATION

SHEET No.	TYPE A LOOP DETECTOR (N)	REUSE DETECTOR STUB (CURB) (N)
	EA	EA
E-1	8	2

MODIFY SIGNAL

SHEET No.	TYPE A LOOP DETECTOR (N)	TYPE D LOOP DETECTOR (N)	INSTALL CONDUIT INTO EXISTING PULL BOX (N)	DETECTOR STUB (CURB) (N)	DETECTOR LEAD-IN CABLE (N)	SPLICE CONDUCTORS (N)	REMOVE DLC (N)
	EA	EA	EA	EA	LF	EA	LF
E-2	6	4	4	4	500	-	-
E-3	4	-	2	2	-	4	200

ELECTRICAL QUANTITIES
E-4

APPROVED FOR ELECTRICAL WORK ONLY

REVISED BY | DATE REVISED

ARTURO ROBLES | SCOTT GREGORY

CALCULATED-DESIGNED BY | CHECKED BY

FUNCTIONAL SUPERVISOR: ROB STINGER

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® ELECTRICAL DESIGN

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LAST REVISION 07-07-10 | DATE PLOTTED => 28-MAR-2013 TIME PLOTTED => 09:36

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	26	33

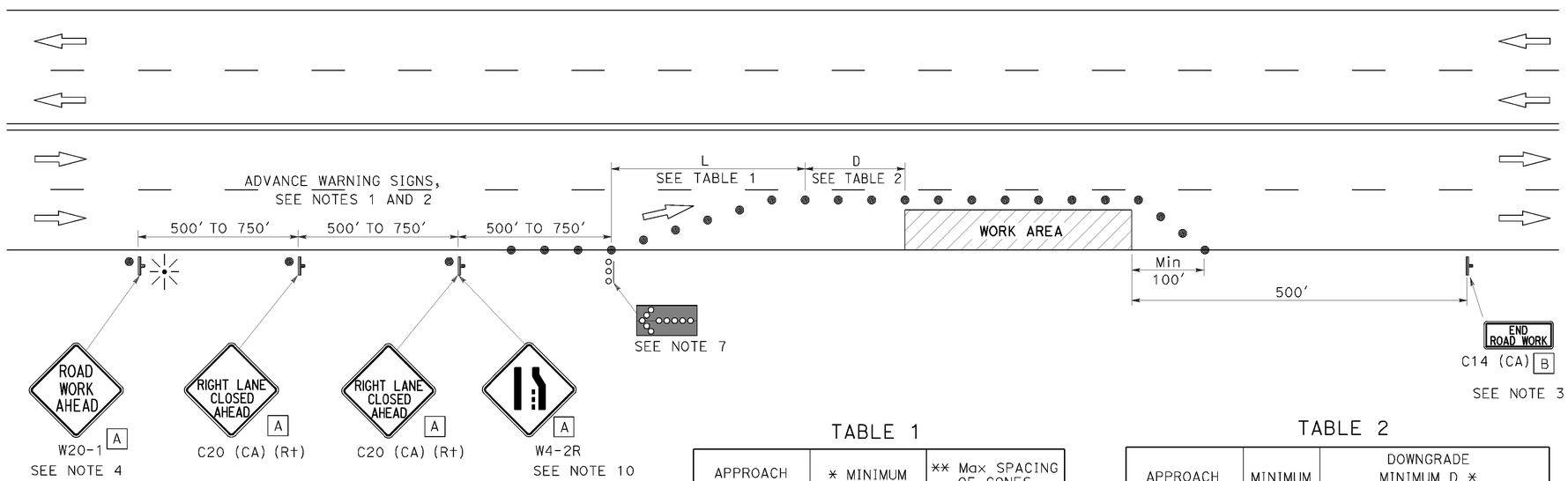
REGISTERED CIVIL ENGINEER 12-7-12 DATE

03-05-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gurinderpal Bhullar No. C48815 Exp. 9-30-14 CIVIL STATE OF CALIFORNIA

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

TYPICAL LANE CLOSURE



NOTES:

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on orange background.

California code are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

LEGEND

- TRAFFIC CONE
- TEMPORARY SIGN
- FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- PORTABLE FLASHING BEACON

SIGN PANEL SIZE (Min)

A 36" x 36"

B 36" x 18"

TABLE 1

APPROACH SPEED	* MINIMUM L	** Max SPACING OF CONES ALONG TAPER
mph	ft	ft
20 AND BELOW	80	20
25	125	25
30	180	30
35	245	35
40	320	40
45	540	45
50	600	50
Over 50	SEE NOTE 9	

* USE L FOR LANE WIDTHS LESS THAN OR EQUAL TO 12'.
** SEE NOTE 8.

TABLE 2

APPROACH SPEED	MINIMUM D	DOWNGRADE MINIMUM D *		
		-3%	-6%	-9%
mph	ft	ft	ft	ft
25 AND BELOW	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
OVER 50	SEE NOTE 9			

* USE ON SUSTAINED DOWNGRADE STEEPER THAN -3 PERCENT AND LONGER THAN 1 MILE.

NOTES:

1. Where approach speeds are low, advance warning signs may be placed at 300' spacing and placed closer in urban areas.
2. Each advance warning sign shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
3. A C14 (CA) "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious, or ends within a larger project's limits.
4. If the W20-1 sign would follow within 2000' of a stationary W20-1 or C11 (CA) "ROAD WORK NEXT _____ MILES", use a C20 (CA) sign for the first advance warning sign.
5. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
6. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
7. Flashing arrow sign shall be either Type I or Type II.
8. The maximum spacing between cones along a tangent shall be 50' and along a taper shall be approximately as shown in Table 1.
9. For approach speeds over 50 mph, use the "Traffic Control System for Lane Closure On Freeways And Expressways" plan for lane closure details and requirements.
10. When specified in the special provisions, a W4-2 "LANE ENDS" symbol sign is to be used in place of the C20 (CA) "RIGHT LANE CLOSED AHEAD" sign.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON MULTILANE CONVENTIONAL HIGHWAYS

NO SCALE

TCS-1

REVISED BY | DATE REVISED
GURINDERPAL BHULLAR | SCOTT GREGORY
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: LANCE BROWN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN
P:\proj\02\4E980_plans\pse\24e980uj001.dgn
DATE PLOTTED => 28-MAR-2013
TIME PLOTTED => 09:36
LAST REVISION

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	27	33

REGISTERED CIVIL ENGINEER 12-7-12 DATE

03-05-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gurinderpal Bhullar No. C48815 Exp. 9-30-14 CIVIL STATE OF CALIFORNIA

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

LEGEND

- TRAFFIC CONE
- TEMPORARY SIGN
- FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- PORTABLE FLASHING BEACON

TABLE 1

APPROACH SPEED	* MINIMUM L	** Max SPACING OF CONES ALONG TAPER
mph	ft	ft
20 and below	80	20
25	125	25
30	180	30
35	245	35
40	320	40
45	540	45
50	600	50
OVER 50	SEE NOTE 11	

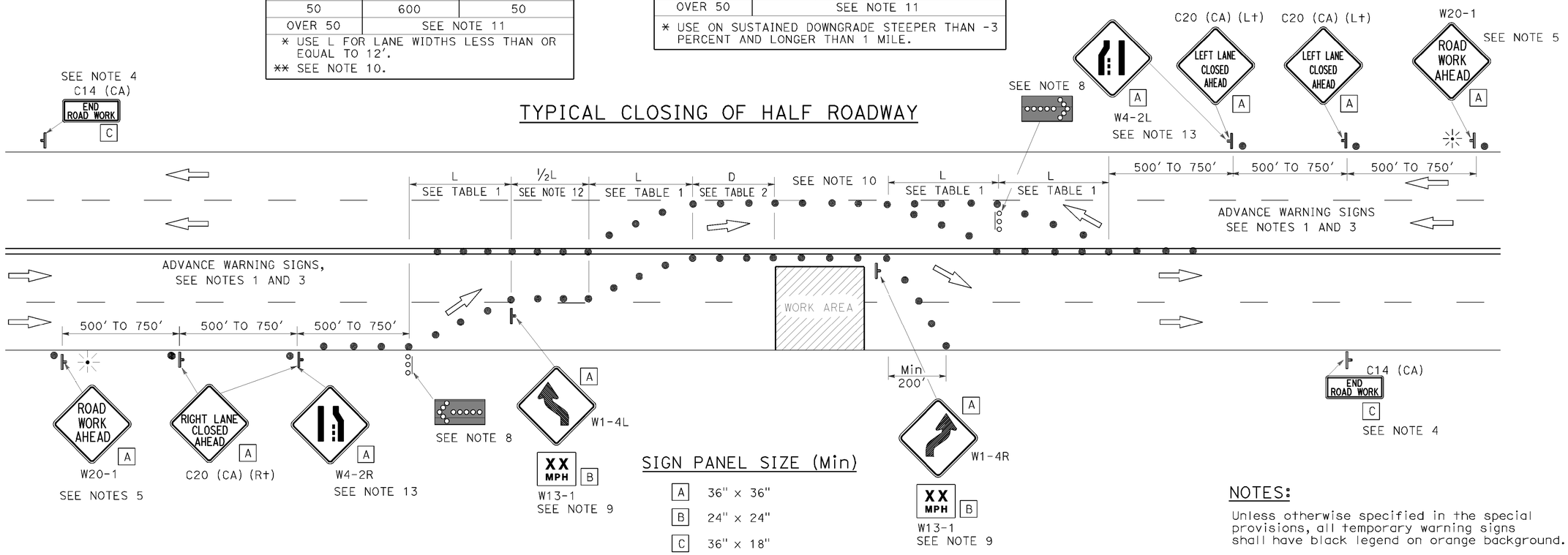
* USE L FOR LANE WIDTHS LESS THAN OR EQUAL TO 12'.
** SEE NOTE 10.

TABLE 2

APPROACH SPEED	MINIMUM D	DOWNGRADE MINIMUM D *		
		-3%	-6%	-9%
mph	ft	ft	ft	ft
25 AND BELOW	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
OVER 50	SEE NOTE 11			

* USE ON SUSTAINED DOWNGRADE STEEPER THAN -3 PERCENT AND LONGER THAN 1 MILE.

TYPICAL CLOSING OF HALF ROADWAY



SIGN PANEL SIZE (Min)

- A 36" x 36"
- B 24" x 24"
- C 36" x 18"

NOTES:

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on orange background.

California code are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

NOTES:

1. Where Approach speeds are low, advance warning signs may be placed at 300' spacing and placed closer in urban areas.
2. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closure unless, otherwise directed by the Engineer.
3. Each advance warning sign in each direction of travel shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
4. A C14 (CA) "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious, or ends within a larger project's limits.
5. If the W20-1 sign would follow within 2000' of a stationary W20-1 or C11 (CA) "ROAD WORK NEXT _____ MILES", use a C20 (CA) sign for the first advance warning sign.
6. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
7. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
8. Flashing arrow signs shall be either Type I or Type II.
9. Advisory speed will be determined by the Engineer. The W13-1 Sign will not be required when advisory speed is more than the posted or maximum speed limit.
10. The maximum spacing between cones along a tangent shall be 50' and along a taper shall be approximately as shown in Table 1.
11. For approach speeds over 50 mph, use the "Traffic Control System For Lane Closure On Freeways And Expressways" plan for lane closure details and requirements.
12. Unless otherwise specified in the special provisions, the (½ L) shown between the two (L) lane closure tapers shall be used.
13. When specified in the special provisions, a W4-2 "Lane Ends" symbol sign is to be used in place of the C20 (CA) "RIGHT (LEFT) LANE CLOSED AHEAD" sign.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON MULTILANE CONVENTIONAL HIGHWAYS

NO SCALE

TCS-2

REVISED BY | DATE REVISED
GURINDERPAL BHULLAR | SCOTT GREGORY
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: LANCE BROWN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® DESIGN
P:\proj\02\4E980_plans\pse\24e980uj002.dgn
DATE PLOTTED => 28-MAR-2013 TIME PLOTTED => 09:36
10-DEC-2012 09:45
LAST REVISION

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	28	33

REGISTERED CIVIL ENGINEER 12-7-12 DATE

03-05-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gurinderpal Bhullar No. C48815 Exp. 9-30-14 CIVIL STATE OF CALIFORNIA

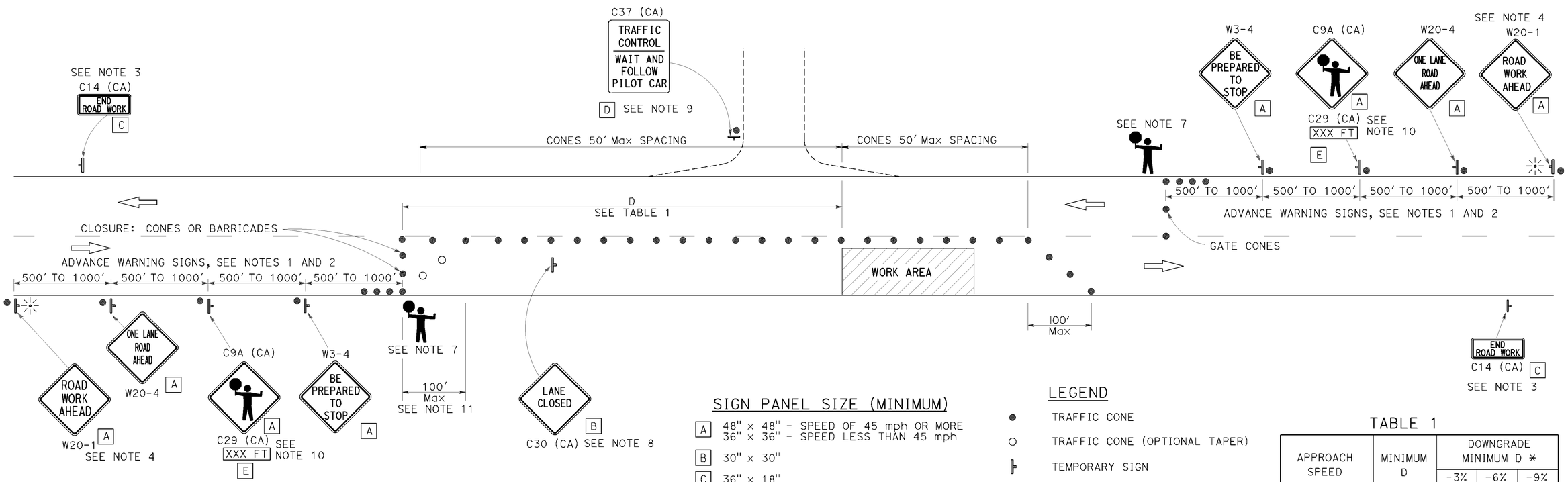
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on orange background.

California code are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

TYPICAL LANE CLOSURE WITH REVERSIBLE CONTROL



SIGN PANEL SIZE (MINIMUM)

- A — 48" x 48" - SPEED OF 45 mph OR MORE; 36" x 36" - SPEED LESS THAN 45 mph
- B — 30" x 30"
- C — 36" x 18"
- D — 36" x 42"
- E — 36" x 9"

LEGEND

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- TEMPORARY SIGN
- PORTABLE FLASHING BEACON
- FLAGGER

TABLE 1

APPROACH SPEED	MINIMUM D	DOWNGRADE MINIMUM D *		
		-3%	-6%	-9%
mph	ft	ft	ft	ft
25 AND BELOW	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785

* USE ON SUSTAINED DOWNGRADE STEEPER THAN -3 PERCENT AND LONGER THAN 1 MILE.

NOTES:

1. Where approach speeds are low, advance warning signs may be placed at 300' spacing, and closer in urban areas.
2. Each advance warning sign in each direction of travel shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
3. A C14 (CA) "END ROAD WORK" sign, as appropriate, shall be placed at the end of the lane control unless the end of work area is obvious, or ends within a larger project's limits.
4. If the W20-1 sign would follow within 2000' of a stationary W20-1 or C11 (CA) "ROAD WORK NEXT _____MILES", use a W20-4 sign for the first advance warning sign.
5. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
6. Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime closures only.
7. Additional advance flaggers may be required. Flagger should stand in a conspicuous place, be visible to approaching traffic as well as approaching vehicles after the first vehicle has stopped. During the hours of darkness, the flagging-station and flagger shall be illuminated and clearly visible to approaching traffic. The illumination footprint of the lighting on the ground shall be at least 20' in diameter. Place a minimum of four cones at 50' intervals in advance of flagger station as shown.
8. Place C30 (CA) "LANE CLOSED" sign at 500' to 1000' intervals throughout extended work areas. They are optional if the work area is visible from the flagger station.
9. When a pilot car is used, place a C37 (CA) "TRAFFIC CONTROL-WAIT AND FOLLOW PILOT CAR" sign at all intersections within traffic control area. Signs shall be clean and visible at all times.
10. An optional C29 (CA) sign may be placed below the C9A (CA) sign.
11. Traffic cones or barricades may be placed on the optional taper as shown, barricades shall be Type I, II, or III.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON TWO LANE CONVENTIONAL HIGHWAYS

NO SCALE

TCS-3

REVISED BY | DATE REVISED
GURINDERPAL BHULLAR | SCOTT GREGORY
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: LANCE BROWN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN
P:\proj1\02\4E980_plans\pse\24e980uj003.dgn
DATE PLOTTED => 28-MAR-2013
TIME PLOTTED => 09:36
LAST REVISION

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	29	33

REGISTERED CIVIL ENGINEER 12-7-12 DATE

03-05-13
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Gurinderpal Bhullar No. C48815 Exp. 9-30-14 CIVIL STATE OF CALIFORNIA

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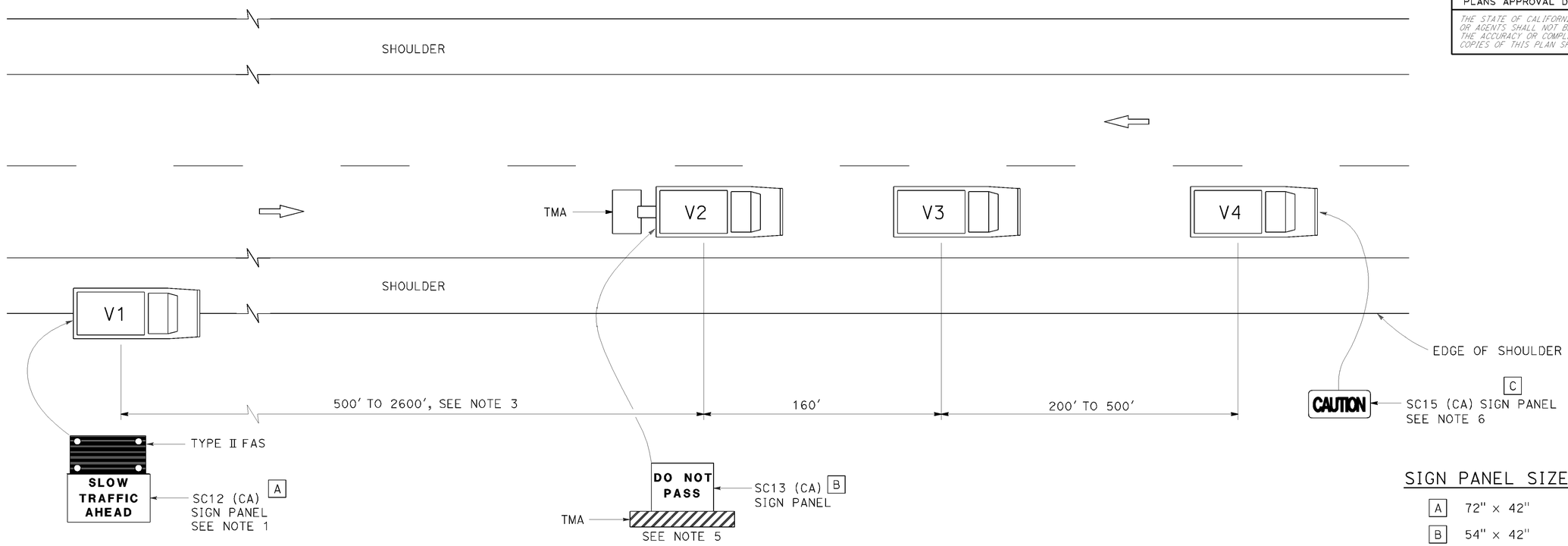

SIGN PANEL SIZE (Min)

A	72" x 42"
B	54" x 42"
C	54" x 24"

LEGEND

V1	SIGN VEHICLE
V2	SHADOW VEHICLE
V3	WORK/APPLICATION VEHICLE
V4	SIGN VEHICLE
TMA	TRUCK-MOUNTED ATTENUATOR
	FLASHING ARROW SIGN (FAS) IN FLASHING CAUTION MODE

NOTES:

1. Either a changeable message sign or a SC12 (CA) "SLOW TRAFFIC AHEAD" sign shall be mounted on the rear of sign vehicle V1. A Type II flashing arrow sign may be used with the SC12 (CA) sign panel.
2. Sign vehicle V1 should be positioned where highly visible when shoulders are not available.
3. If traffic queues develop, sign vehicle V1 should be positioned upstream from the end of queue.
4. Vehicle-mounted sign panels shall be Type III, IV VII, VIII or IX retroreflective sheeting, black on white, black on orange, or black on fluorescent orange, with 6" minimum series D letters per Caltrans sign specifications.
5. Gross Vehicle Weight of shadow vehicle shall be a minimum of 20,000 pounds and shall be equipped with a truck-mounted attenuator. The sign panel shown shall be mounted on the rear of shadow vehicle V2. The message "LANE CLOSED" may be used in place of the "DO NOT PASS" message.
6. The sign panel shown shall be mounted on the front of sign vehicle V4, facing opposing traffic.
7. All vehicles shall be equipped with flashing or rotating amber lights.
8. Sign vehicle V4 will not be required when the work and vehicles V2 and V3 are 2' or more from the centerline of the highway during the work or application operations.
9. All vehicles used for lane closures shall be equipped with two-way radios and the vehicle operators shall maintain communication during the work or application operation.
10. When multiple work vehicles are used in close proximity to each other, only one shadow vehicle is required and spacing between work vehicles shall be minimized in order to deter traffic from entering the closed lane.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL SYSTEM FOR MOVING LANE CLOSURE ON TWO LANE HIGHWAYS

NO SCALE

TCS-4

REVISED BY | DATE REVISED
GURINDERPAL BHULLAR | SCOTT GREGORY
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: LANCE BROWN
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans DESIGN
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DATE PLOTTED => 28-MAR-2013
TIME PLOTTED => 09:56
LAST REVISION

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	30	33

REGISTERED CIVIL ENGINEER

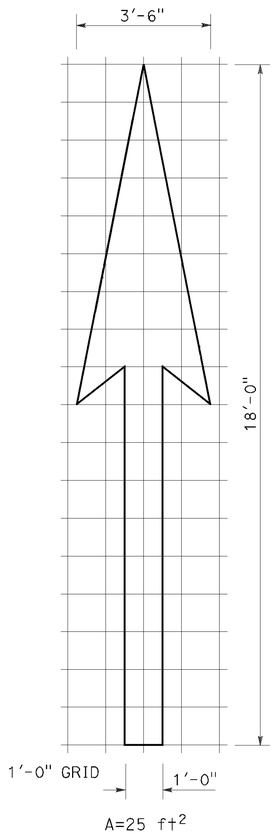
April 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Roberta L. McLaughlin
No. C40375
Exp. 3-31-13
CIVIL
STATE OF CALIFORNIA

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

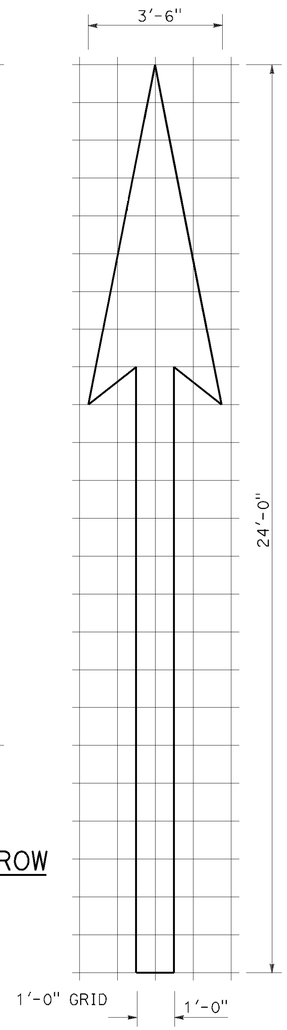
TO ACCOMPANY PLANS DATED 03-05-13

2010 REVISED STANDARD PLAN RSP A24A



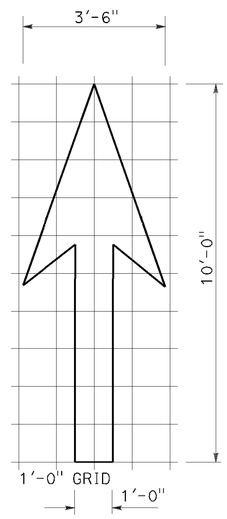
A=25 ft^2

TYPE I 18'-0" ARROW



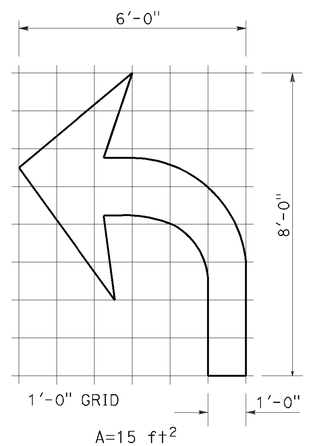
A=31 ft^2

TYPE I 24'-0" ARROW



A=14 ft^2

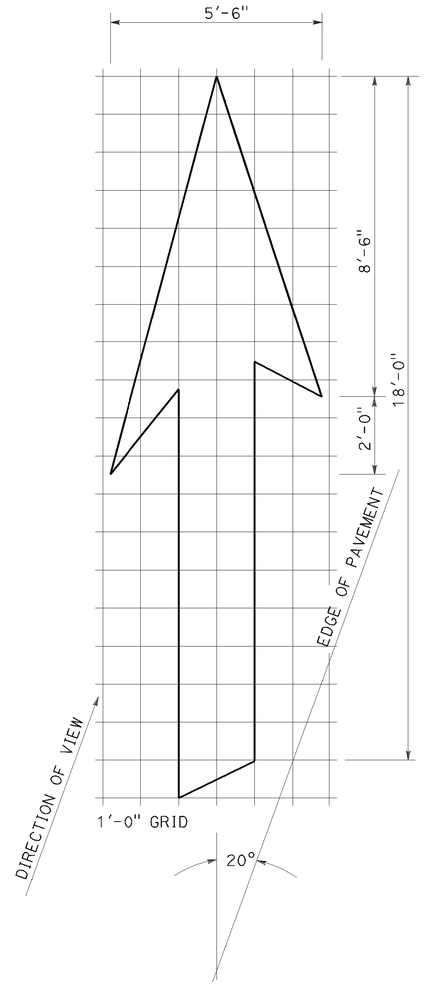
TYPE I 10'-0" ARROW



A=15 ft^2

TYPE IV (L) ARROW

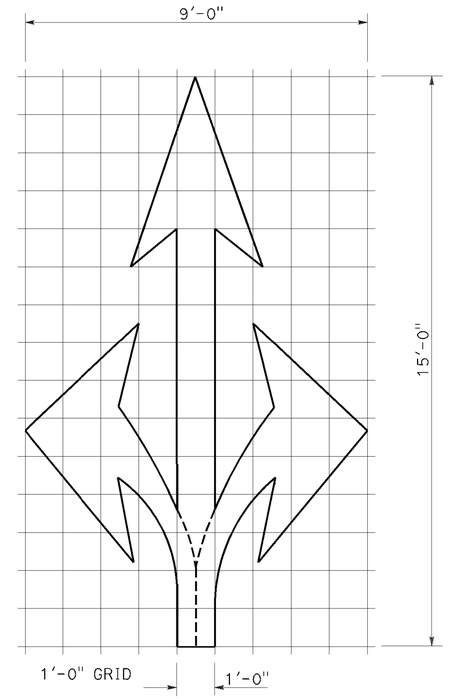
(For Type IV (R) arrow, use mirror image)



A=42 ft^2

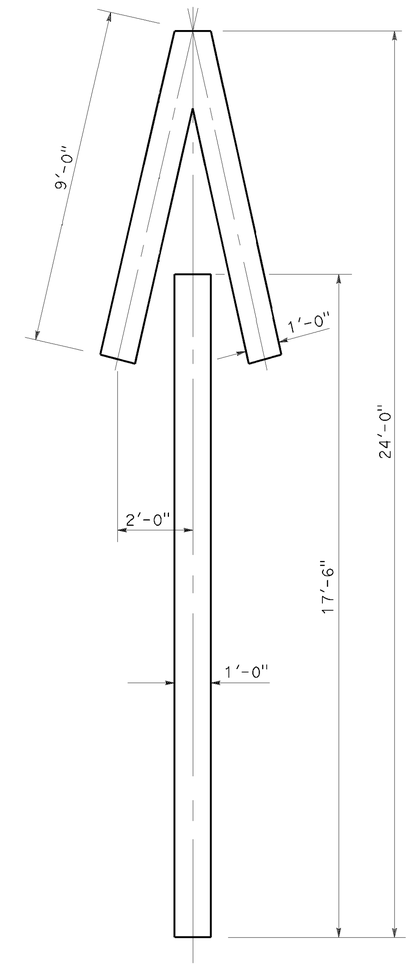
TYPE VI ARROW

Right lane drop arrow
(For left lane, use mirror image)



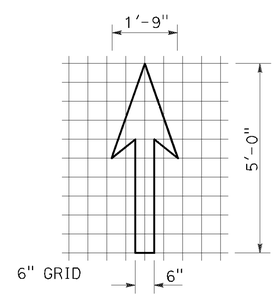
A=36 ft^2

TYPE VIII ARROW



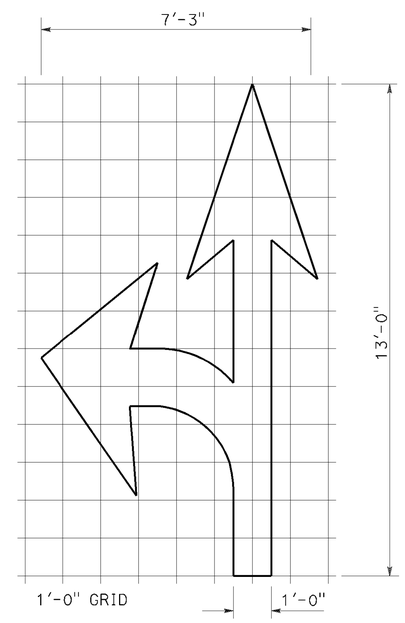
A=33 ft^2

TYPE V ARROW



A=3.5 ft^2

BIKE LANE ARROW



A=27 ft^2

TYPE VII (L) ARROW

(For Type VII (R) arrow, use mirror image)

NOTE:
Minor variations in dimensions may be accepted by the Engineer.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS ARROWS

NO SCALE

RSP A24A DATED APRIL 20, 2012 SUPERSEDES STANDARD PLAN A24A DATED MAY 20, 2011 - PAGE 13 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A24A

P:\proj1\02\4E980_plans\pse\24e980va001.dgn

USERNAME => s115152
DGN FILE => 24e980va001.dgn

DATE PLOTTED => 28-MAR-2013
TIME PLOTTED => 09:36

3-14-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	31	33

REGISTERED CIVIL ENGINEER

October 19, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER Roberta L. McLaughlin No. C40375 Exp. 3-31-13 CIVIL STATE OF CALIFORNIA

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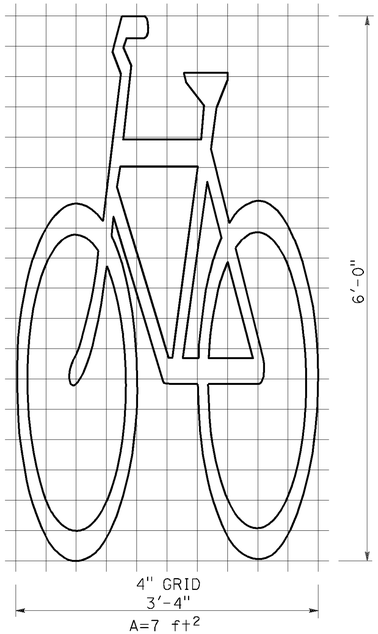
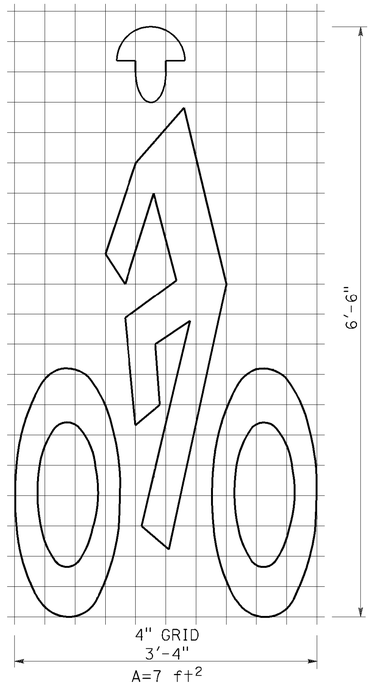
NOTE: TO ACCOMPANY PLANS DATED 03-05-13

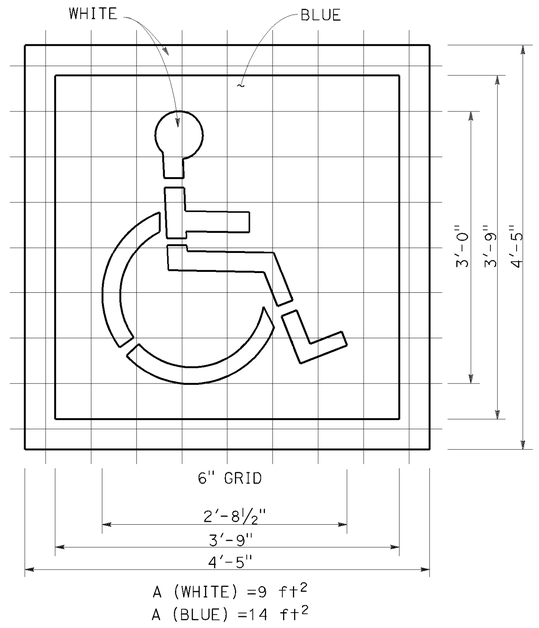
Minor variations in dimensions may be accepted by the Engineer.



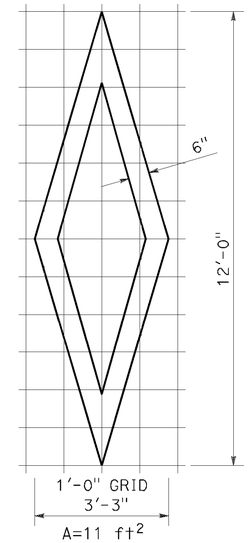
BIKE LANE SYMBOL WITHOUT PERSON



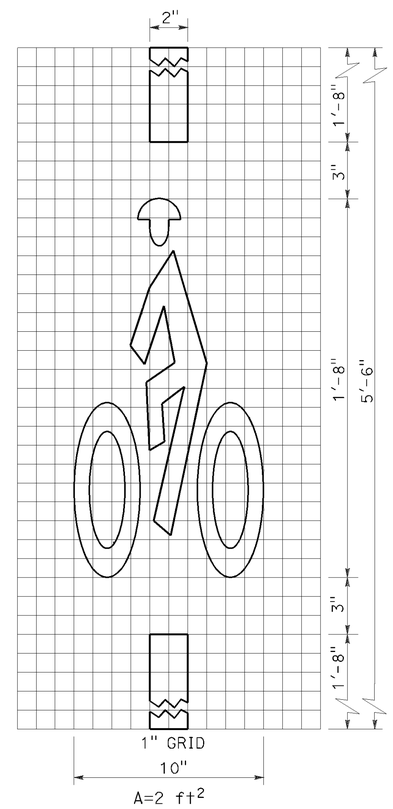
BIKE LANE SYMBOL WITH PERSON



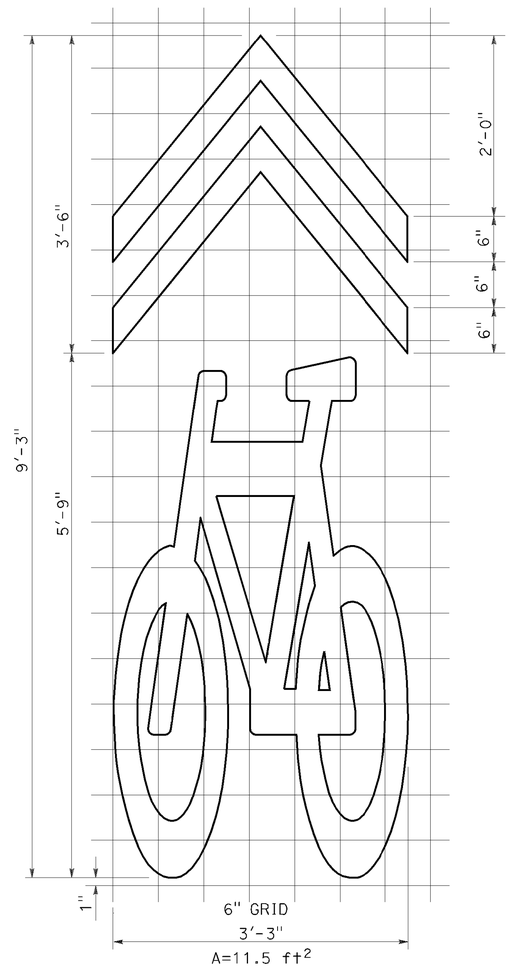
INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) MARKING



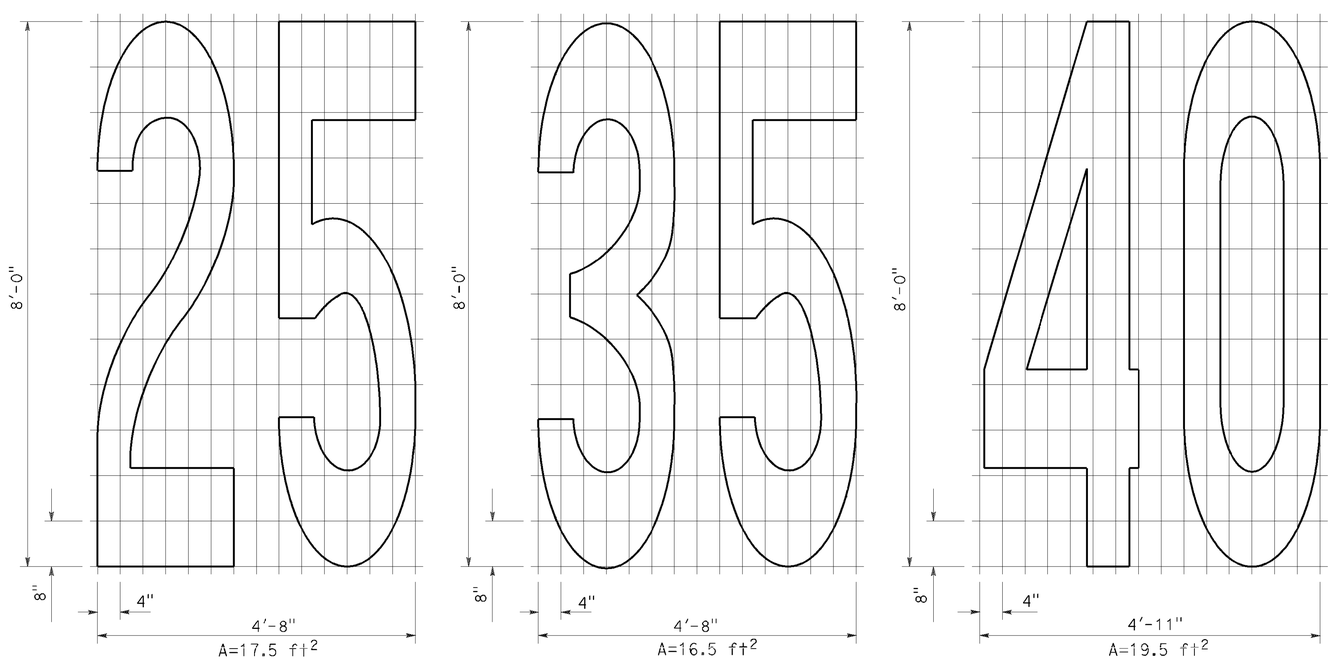
DIAMOND SYMBOL



BICYCLE LOOP DETECTOR SYMBOL



SHARED ROADWAY BICYCLE MARKING



NUMERALS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS SYMBOLS AND NUMERALS

NO SCALE

RSP A24C DATED OCTOBER 19, 2012 SUPERSEDES STANDARD PLAN A24C DATED MAY 20, 2011 - PAGE 15 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A24C

2010 REVISED STANDARD PLAN RSP A24C

P:\proj11\02\4E980_plans\pse\24e980va002.dgn

USERNAME => s115152
DGN FILE => 24e980va002.dgn

DATE PLOTTED => 28-MAR-2013
TIME PLOTTED => 09:37

6-28-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	32	33

REGISTERED CIVIL ENGINEER

July 20, 2012
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Roberta L. McLaughlin
No. C40375
Exp. 3-31-13
CIVIL
STATE OF CALIFORNIA

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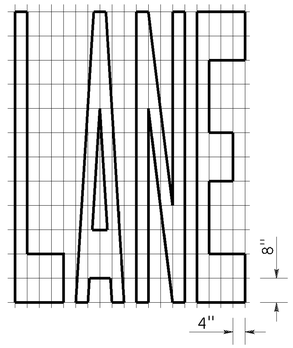
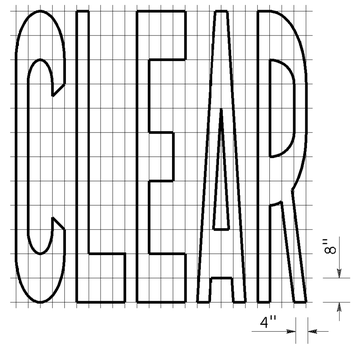
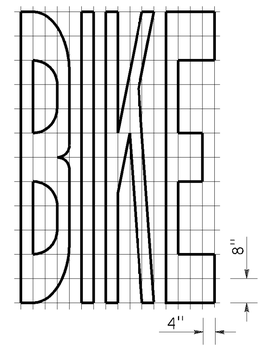
TO ACCOMPANY PLANS DATED 03-05-13



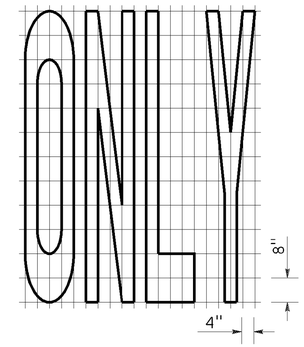
A=24 ft²



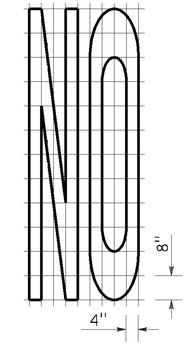
A=27 ft²



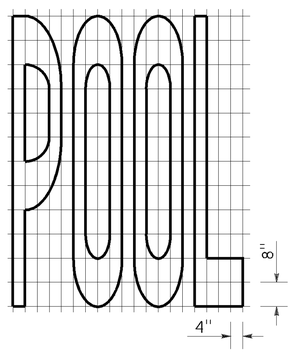
A=21 ft²



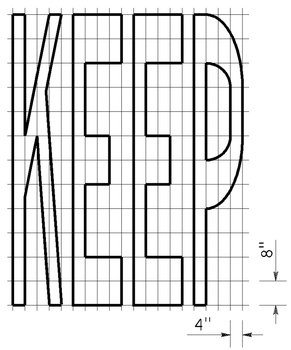
A=22 ft²



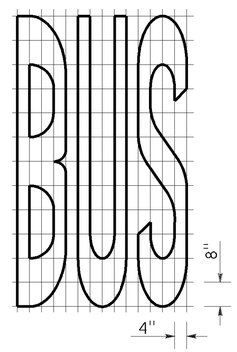
A=14 ft²



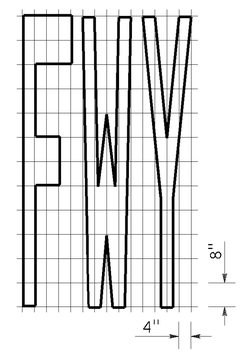
A=23 ft²



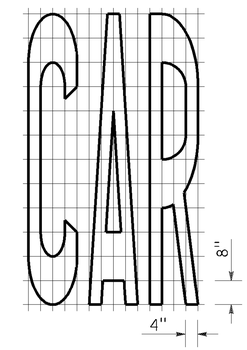
A=24 ft²



A=20 ft²



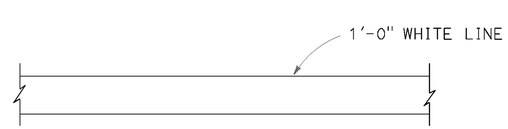
A=16 ft²



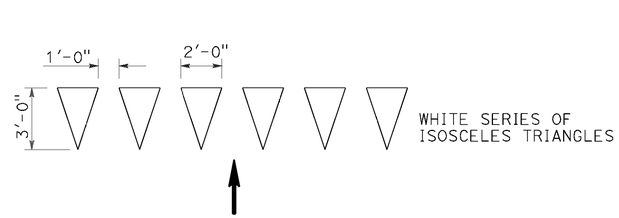
A=17 ft²

WORD MARKINGS			
ITEM	ft²	ITEM	ft²
LANE	24	NO	14
POOL	23	BIKE	21
CAR	17	BUS	20
CLEAR	27	ONLY	22
KEEP	24	FWY	16

A=2 ft²
See Notes 6 and 7



LIMIT LINE (STOP LINE)



YIELD LINE

NOTES:

1. If a message consists of more than one word, it should read "UP", i.e., the first word should be nearest the driver.
2. The space between words should be at least four times the height of the characters for low speed roads, but not more than ten times the height of the characters. The space may be reduced appropriately where there is limited space because of local conditions.
3. Minor variations in dimensions may be accepted by the Engineer.
4. Portions of a letter, number or symbol may be separated by connecting segments not to exceed 2" in width.
5. The words "NO PARKING" pavement marking is to be used for parking facilities. For typical locations of markings, see Standard Plans A90A and A90B.
6. The words "NO PARKING", shall be painted in white letters no less than 1'-0" high on a contrasting background and located so that it is visible to traffic enforcement officials.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS WORDS, LIMIT AND YIELD LINES

NO SCALE

RSP A24E DATED JULY 20, 2012 SUPERSEDES STANDARD PLAN A24E
DATED MAY 20, 2011 - PAGE 17 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A24E

2010 REVISED STANDARD PLAN RSP A24E

P:\proj1\02\4E980_plans\pse\24e980va003.dgn

USERNAME => s115152
DGN FILE => 24e980va003.dgn

DATE PLOTTED => 28-MAR-2013
TIME PLOTTED => 09:37

6-12-12

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
02	Plu	70	37.5/46.2	33	33

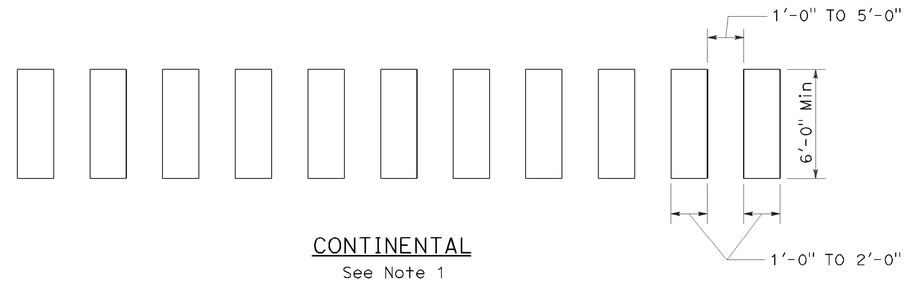
Roberta L. McLaughlin
REGISTERED CIVIL ENGINEER

July 20, 2012
PLANS APPROVAL DATE

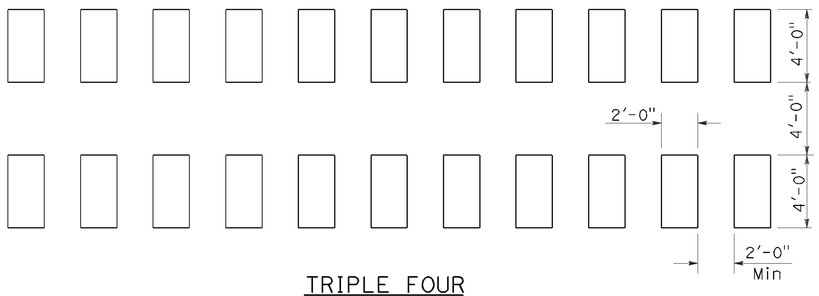
REGISTERED PROFESSIONAL ENGINEER
Roberta L. McLaughlin
No. C40375
Exp. 3-31-13
CIVIL
STATE OF CALIFORNIA

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

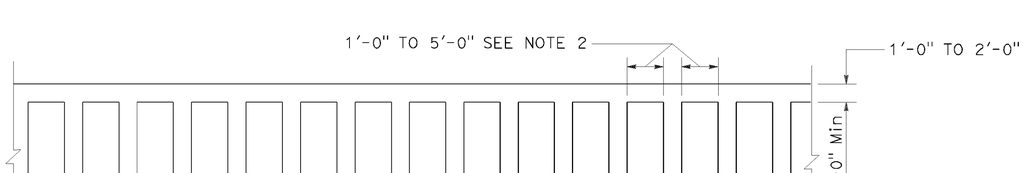
TO ACCOMPANY PLANS DATED 03-05-13



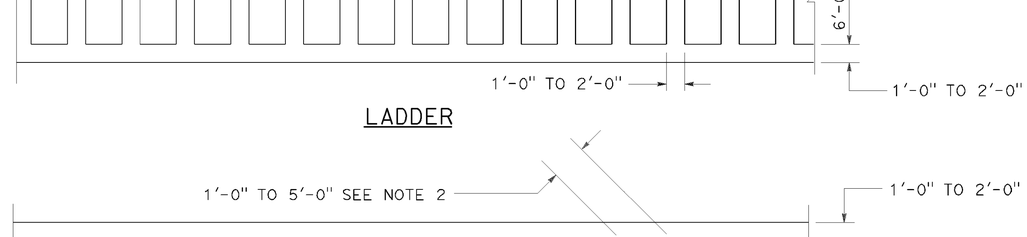
CONTINENTAL
See Note 1



TRIPLE FOUR
See Note 1



LADDER

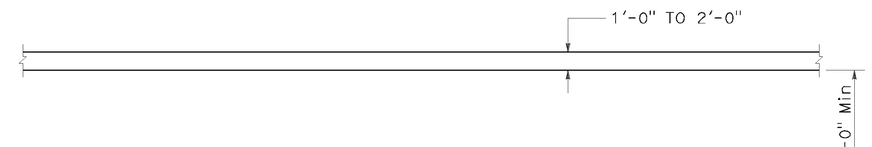


DIAGONAL

HIGHER VISIBILITY CROSSWALKS

NOTES:

1. Spaces between markings should be placed in wheel tracks of each lane.
2. Spacings not to exceed 2.5 times width of longitudinal line.
3. All crosswalk markings must be white except for those near schools must be yellow.



BASIC

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS CROSSWALKS

NO SCALE

RSP A24F DATED JULY 20, 2012 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A24F

2010 REVISED STANDARD PLAN RSP A24F

P:\proj1\02\4E980_plans\pse\24e980va004.dgn
USERNAME => s115152
DGN FILE => 24e980va004.dgn
DATE PLOTTED => 28-MAR-2013
TIME PLOTTED => 09:37
6-28-12