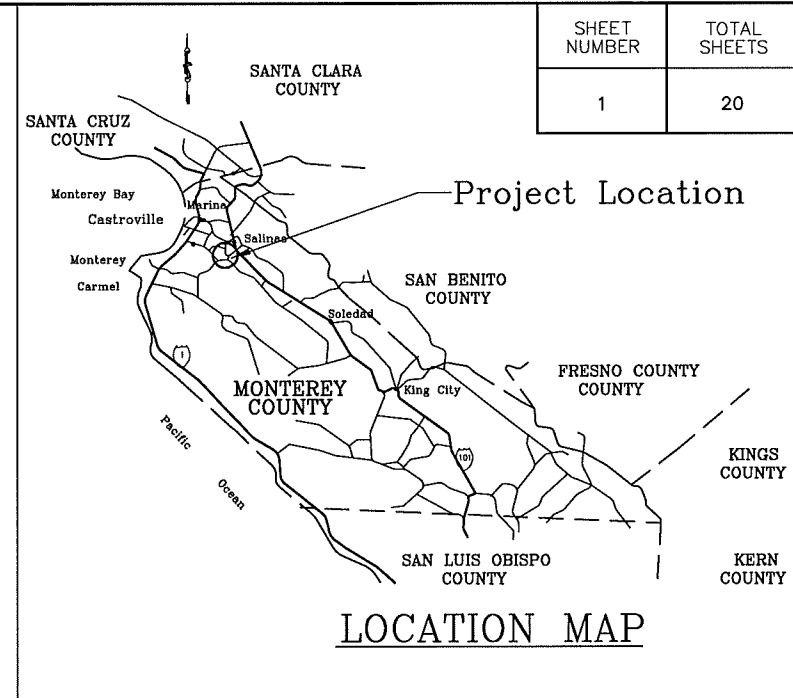


SHEET NUMBER	TOTAL SHEETS
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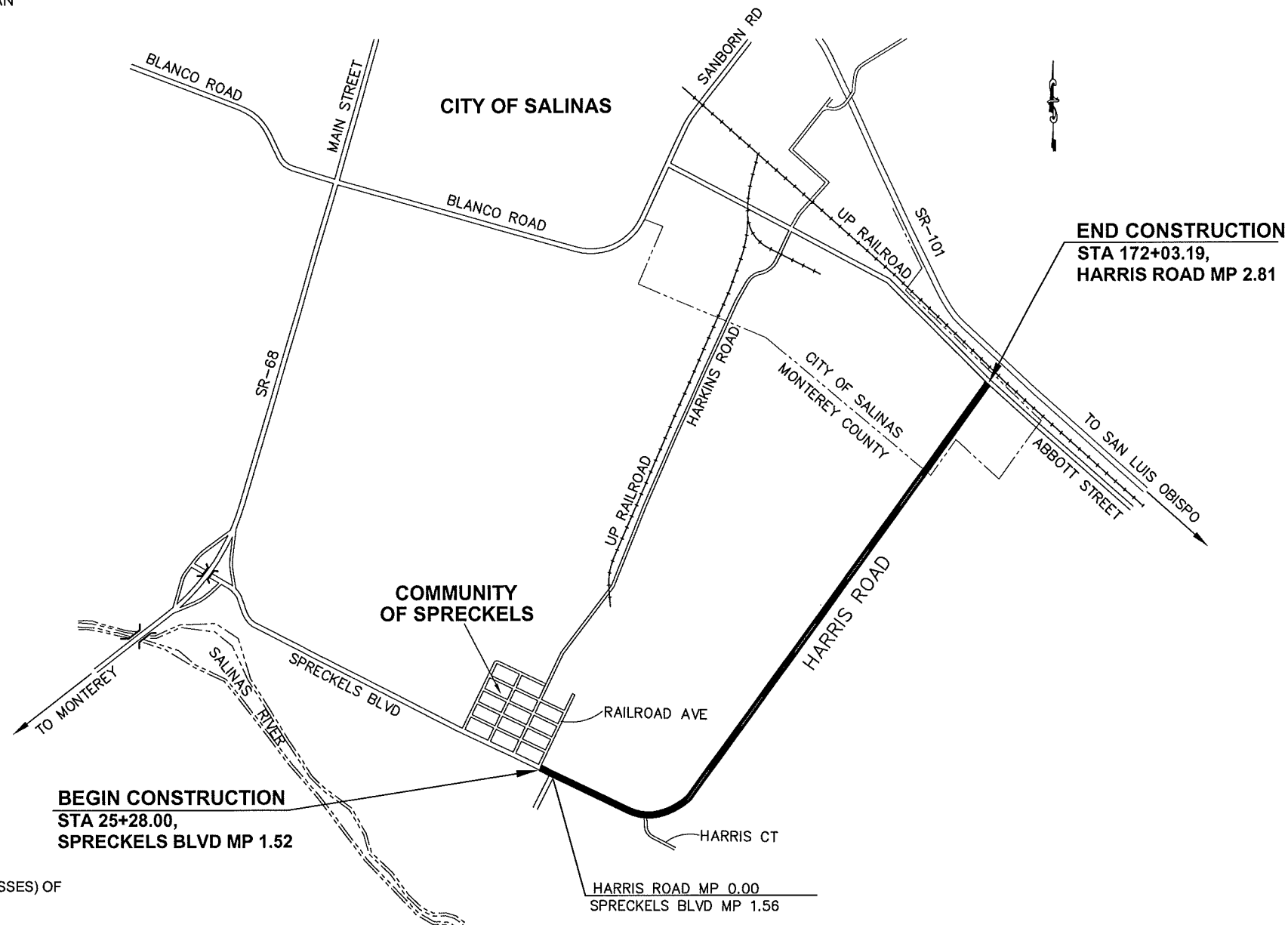
COUNTY OF MONTEREY
STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
PROJECT PLANS FOR CONSTRUCTION OF
HARRIS ROAD OVERLAY

NEAR COMMUNITY OF SPRECKELS FROM RAILROAD AVENUE TO ABBOTT STREET
PROJECT NO. 13-142365

TO BE SUPPLEMENTED BY CALTRANS STANDARD SPECIFICATIONS AND STANDARD PLANS 2010 EDITION

INDEX OF SHEETS

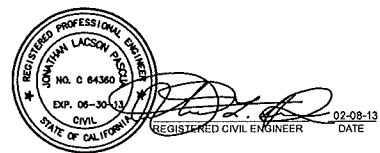
1	TITLE SHEET
2 - 3	TYPICAL CROSS SECTIONS
4 - 5	CONSTRUCTION DETAILS
6	CONSTRUCTION AREA SIGNS
7 - 11	LAYOUT PLAN
12	PLAN AND PROFILE
13 - 17	PAVEMENT DELINEATION PLAN
18 - 19	SUMMARY OF QUANTITIES
20	INDUCTIVE LOOP DETECTOR PLAN



THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."
 HORIZONTAL CONTROL: STATE PLANE COORDINATES CA ZONE 4 NAD83
 VERTICAL CONTROL: NAVD 88

BY ACTION OF THE BOARD OF SUPERVISORS
 APPROVED ON _____
 PER BOARD ORDER No. _____ PUBLIC WORKS
 ROBERT K. MURDOCH, P.E. _____ DATE
 DIRECTOR OF PUBLIC WORKS

SUBMITTED BY: JONATHAN L. PASCUA, P.E. PROJECT MANAGER
 DESIGN BY: BARNEY GUZMAN PROJECT ENGINEER
 DRAWN BY: THANH NYUNT/L. DELA MERCED
 SPECIFICATIONS WRITTEN BY: ISABELO DELA MERCED
 APPROVAL RECOMMENDED BY: PAUL H. GREENWAY, P.E. ASSISTANT DIRECTOR OF PUBLIC WORKS



NO.	DATE	REVISION	APPROVED

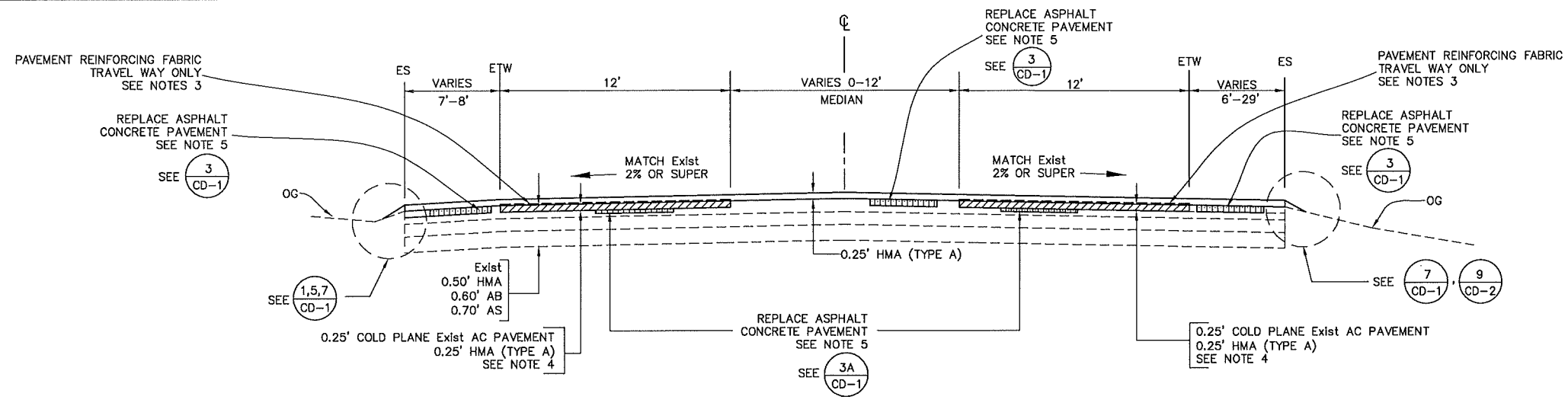


COUNTY OF MONTEREY
 RESOURCE MANAGEMENT AGENCY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN SECTION
 168 WEST ALISAL STREET, 2nd FLOOR
 SALINAS, CALIFORNIA 93901
 (831)755-4800/FAX (831)755-4958

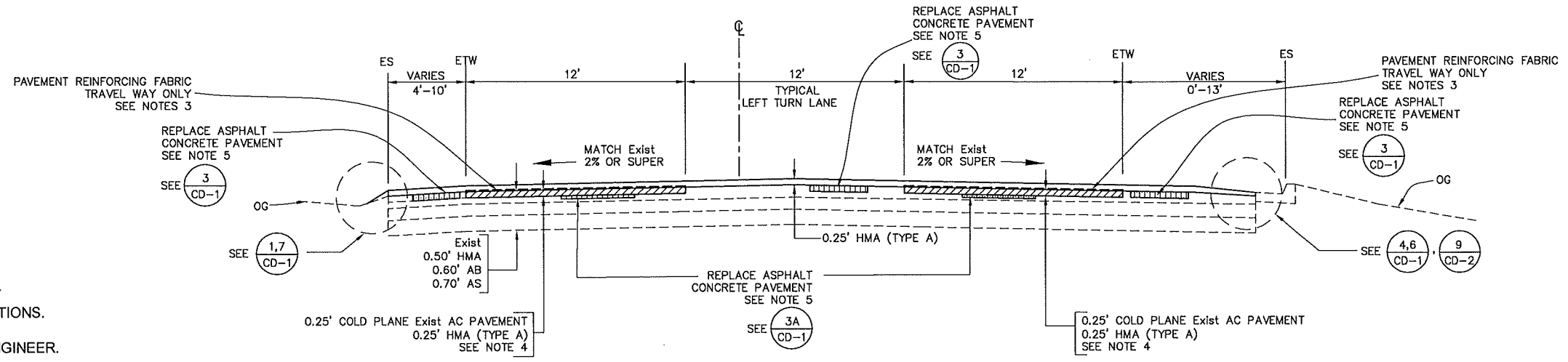
HARRIS ROAD OVERLAY PROJECT
 CONTRACT NO. 13-142365
TITLE SHEET

DATE 02/08/13	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET TS-1
SCALE NTS	VIEW TS-1	

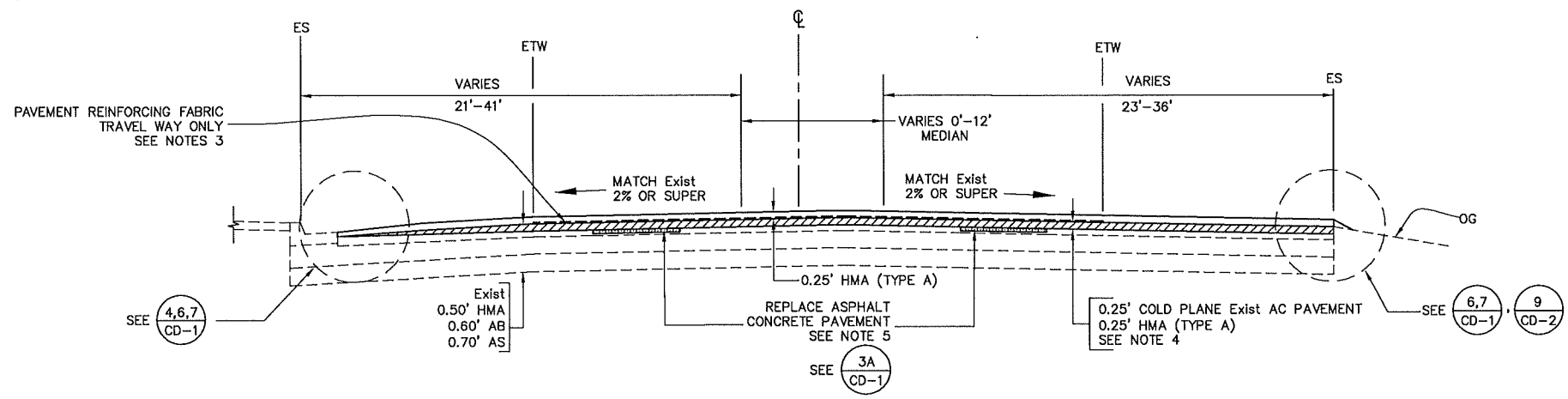
SHEET NUMBER	TOTAL SHEETS
2	20



HARRIS ROAD
STA 35+22 TO STA 62+50



HARRIS ROAD
STA 29+00 TO STA 35+22



SPRECKELS BOULEVARD
STA 25+28 TO STA 29+00

- NOTES:
1. DIMENSION OF THE STRUCTURAL SECTIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
 2. SUPERELEVATION AS SHOWN OR AS DIRECTED BY THE ENGINEER.
 3. PAVEMENT REINFORCING FABRIC SHALL BE PLACED PRIOR TO PLACEMENT OF THE LAST LIFT OF HOT MIX ASPHALT OVERLAY AND SHALL BE PLACED IN THE TRAVEL WAY ONLY. EXCLUDE THE PLACEMENT OF PAVEMENT REINFORCING FABRIC AT MEDIAN AREAS AND LEFT TURN POCKETS.
 4. COLD PLANE EXISTING PAVEMENT TO A DEPTH OF 0.25' IN THE TRAVEL WAY OR AS DIRECTED BY THE ENGINEER.
 5. REPLACE ASPHALT CONCRETE PAVEMENT IF ORDERED BY THE ENGINEER. SEE LAYOUT PLANS FOR LOCATIONS.

SUBMITTED BY: JONATHAN L. PASCUA, P.E.
PROJECT MANAGER

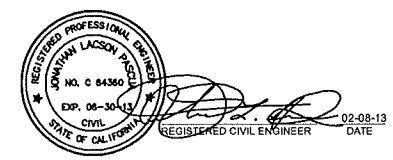
DESIGN BY: ISABELO DELA MERCED/B. GUZMAN
PROJECT ENGINEER

DRAWN BY: ISABELO DELA MERCED

SPECIFICATIONS WRITTEN BY: ISABELO DELA MERCED

APPROVAL RECOMMENDED BY: PAUL, H. GREENWAY, P.E.
ASSISTANT DIRECTOR OF PUBLIC WORKS

CHKD BY: J.P.
CHKD BY: J.P./B.G.
CHKD BY: J.P./B.G.



NO.	DATE	REVISION	APPROVED
▲			
▲			
▲			
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▲			



COUNTY OF MONTEREY
RESOURCE MANAGEMENT AGENCY
DEPARTMENT OF PUBLIC WORKS

DESIGN SECTION

168 WEST ALISAL STREET, 2nd FLOOR
SALINAS, CALIFORNIA 93901
(831)755-4800/FAX (831)755-4958

HARRIS ROAD
OVERLAY PROJECT
CONTRACT NO. 13-142365

TYPICAL CROSS SECTIONS

DATE: 02/08/13

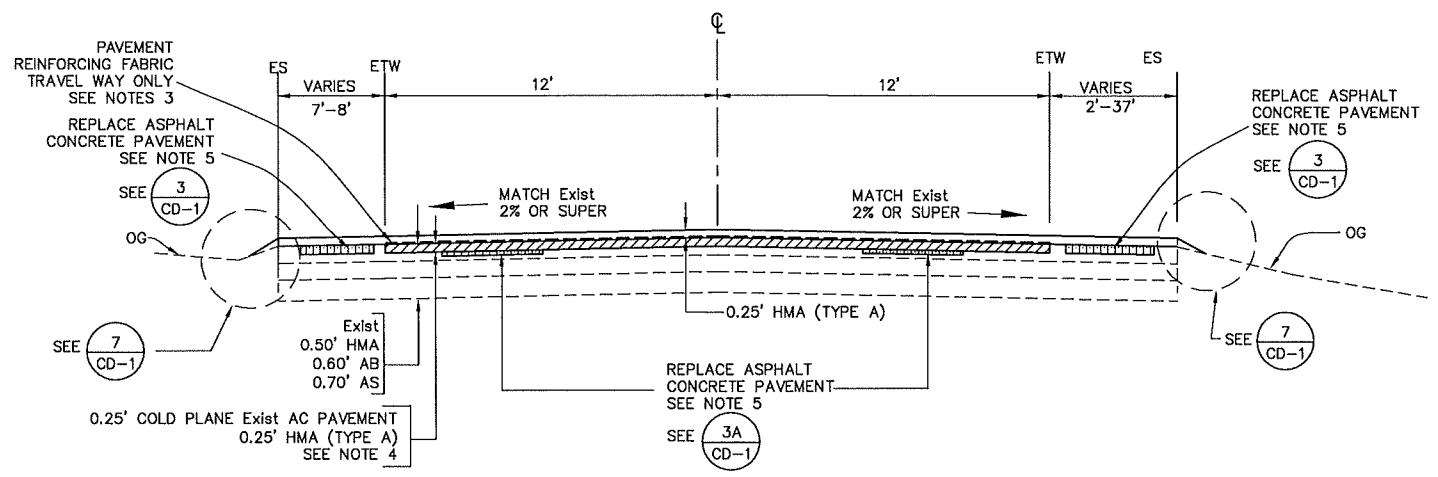
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RELATIVE BORDER SCALE: IN INCHES

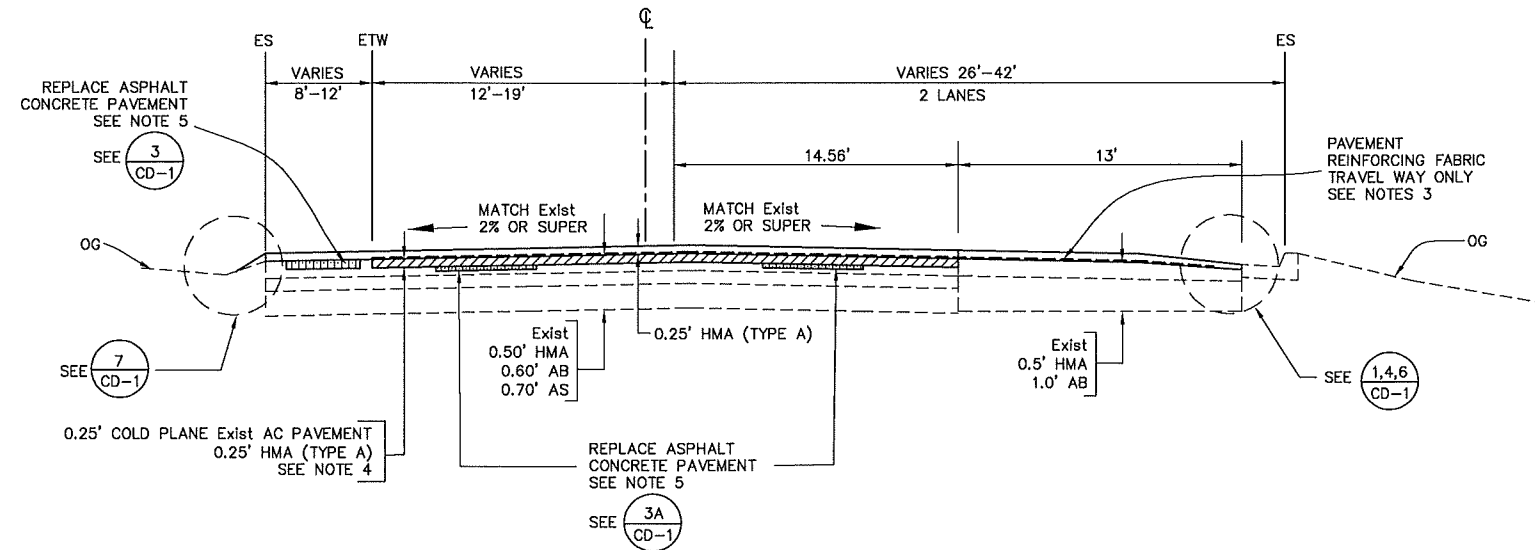
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SHEET: X-1

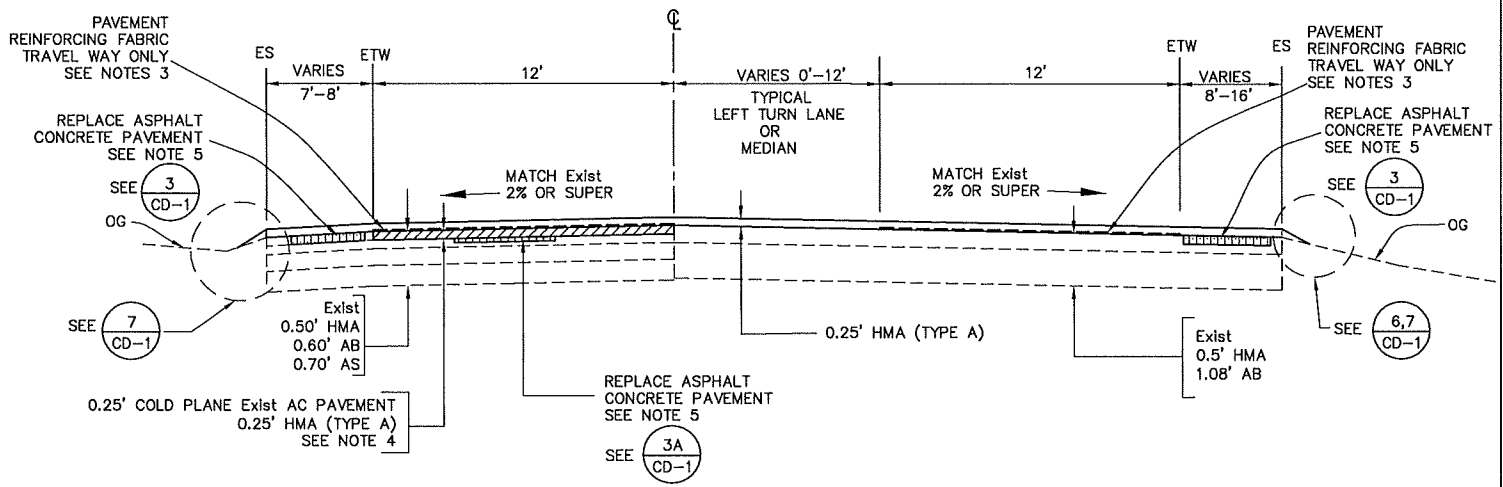
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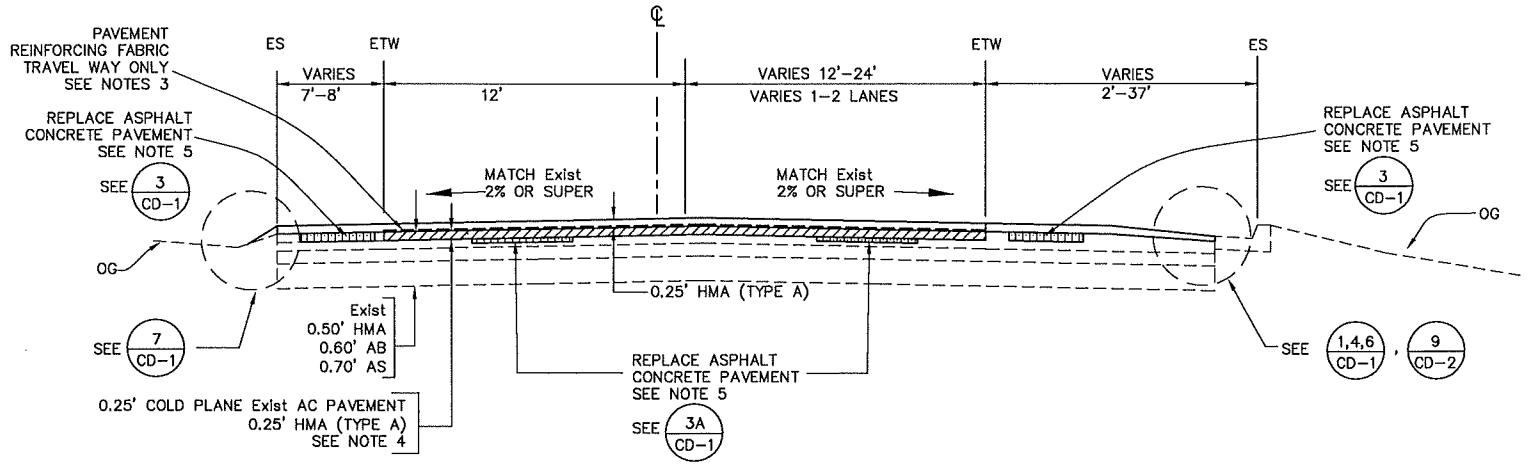
HARRIS ROAD
STA 90+75 TO STA 159+39



HARRIS ROAD
STA 169+31 TO STA 172+03



HARRIS ROAD
STA 62+50 TO STA 90+75



HARRIS ROAD
STA 159+39 TO STA 169+31

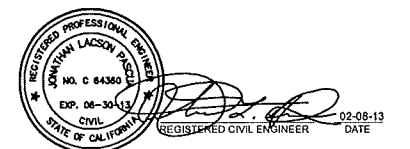
SUBMITTED BY, JONATHAN L. PASCUA, P.E.
PROJECT MANAGER

DESIGN BY, ISABELO DELA MERCED/B. GUZMAN
PROJECT ENGINEER

DRAWN BY, ISABELO DELA MERCED
CHKD BY, J.P./B.G.

SPECIFICATIONS WRITTEN BY, ISABELO DELA MERCED
CHKD BY, J.P./B.G.

APPROVAL
RECOMMENDED BY, PAUL H. GREENWAY, P.E.
ASSISTANT DIRECTOR OF PUBLIC WORKS



NO.	DATE	REVISION	APPROVED
▲			
▲			
▲			
▲			



COUNTY OF MONTEREY
RESOURCE MANAGEMENT AGENCY
DEPARTMENT OF PUBLIC WORKS

DESIGN SECTION

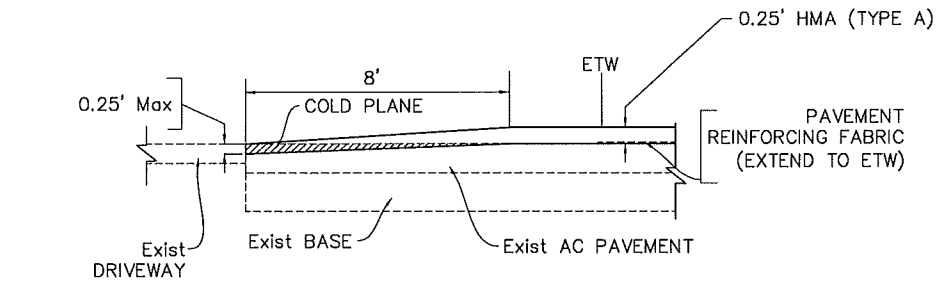
168 WEST ALISAL STREET, 2nd FLOOR
SALINAS, CALIFORNIA 93901
(831)755-4800/FAX (831)755-4958

HARRIS ROAD
OVERLAY PROJECT
CONTRACT NO. 13-142365

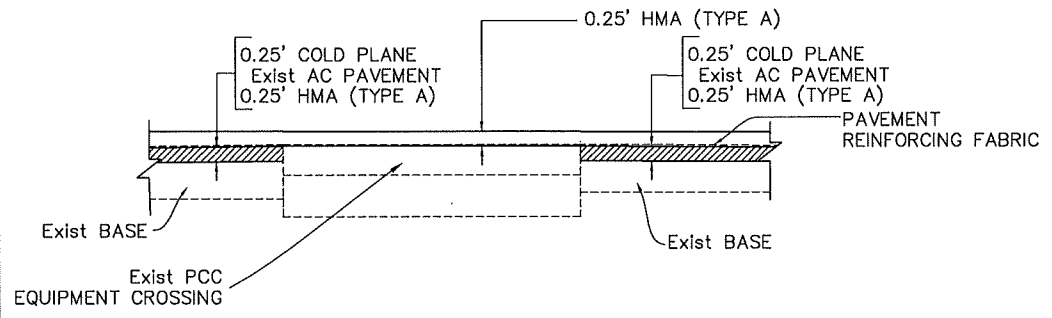
TYPICAL CROSS SECTIONS

DATE 02/08/13
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RELATIVE BORDER SCALE: IN INCHES
VIEW X-2
SHEET X-2

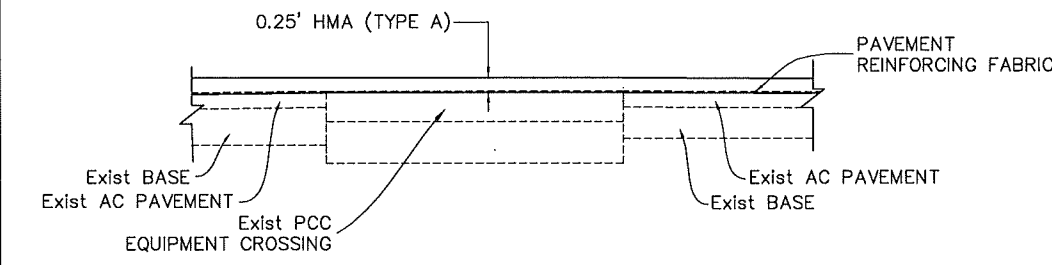
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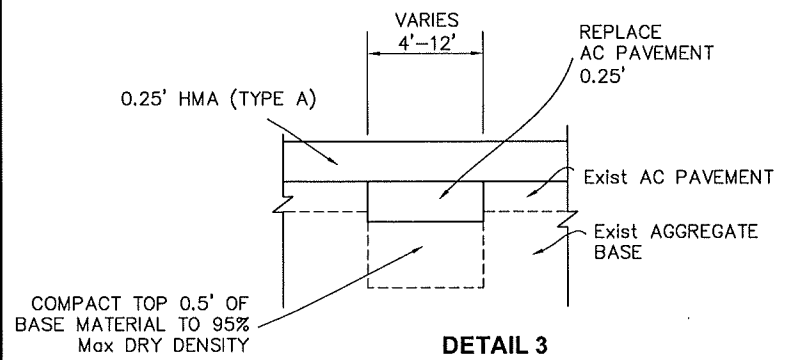
DETAIL 1
TYPICAL CONFORM AT DRIVEWAYS



DETAIL 2
OVERLAY AT EQUIPMENT CROSSING (SOUTHBOUND)
(STA 81+46)

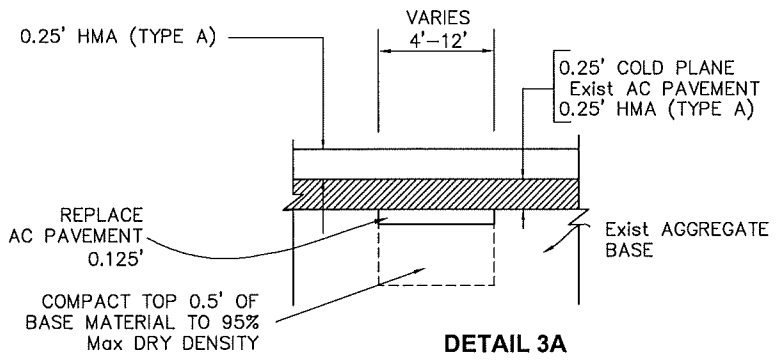


DETAIL 2A
OVERLAY AT EQUIPMENT CROSSING (NORTHBOUND)
(STA 81+46)



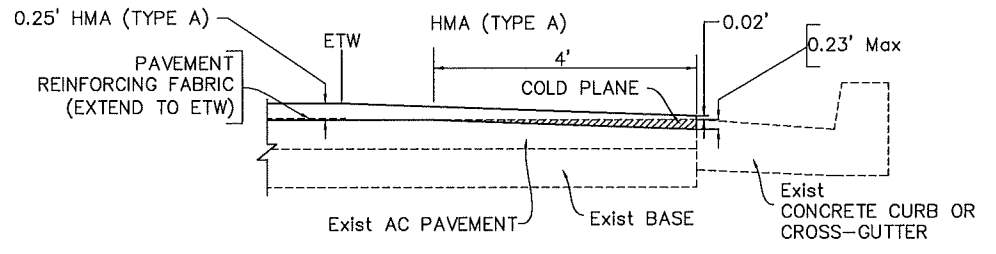
DETAIL 3
TYPICAL REPLACE FAILED
AC PAVEMENT

NOTES: REPLACE ASPHALT CONCRETE PAVEMENT IF ORDERED BY THE ENGINEER
SEE LAYOUT PLANS FOR LOCATION

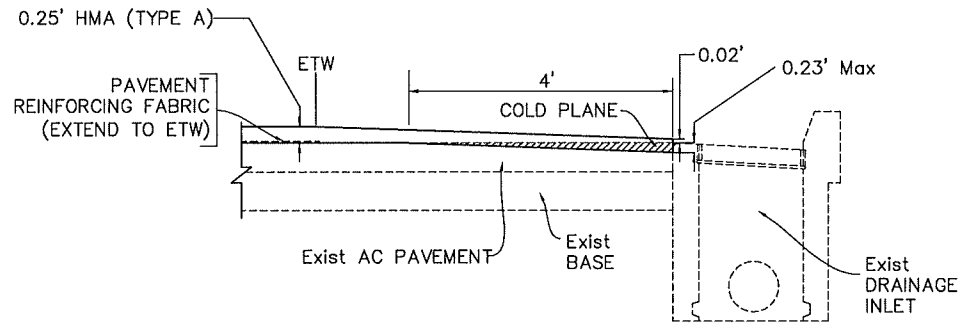


DETAIL 3A
TYPICAL REPLACE FAILED
AC PAVEMENT AT GRINDING LOCATIONS

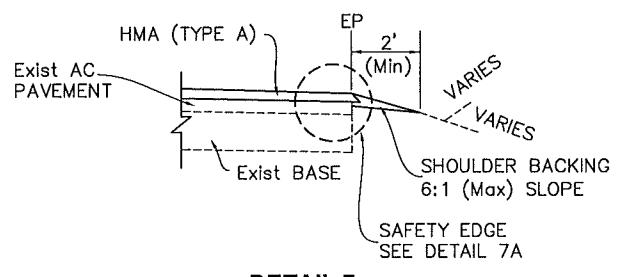
NOTES: REPLACE ASPHALT CONCRETE PAVEMENT IF ORDERED BY THE ENGINEER
SEE LAYOUT PLANS FOR LOCATION



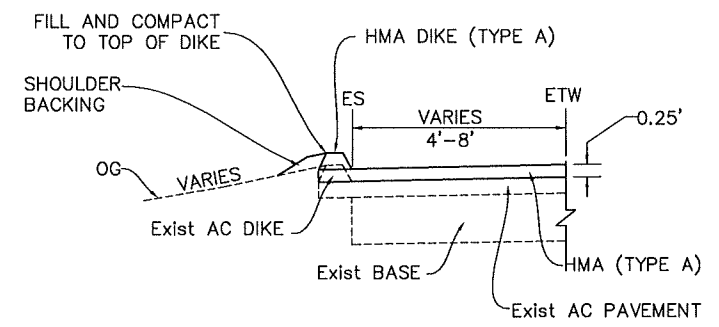
DETAIL 6
TYPICAL CONFORM AT CONCRETE CURB
OR CROSS GUTTER



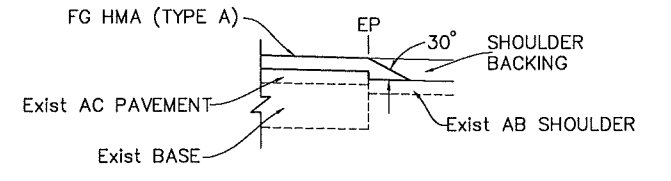
DETAIL 4
TYPICAL CONFORM AT INLET



DETAIL 7
TYPICAL SHOULDER BACKING



DETAIL 5
TYPICAL
HMA DIKE DETAIL
SEE SHEET Q-1 FOR LOCATIONS



DETAIL 7A
SAFETY EDGE

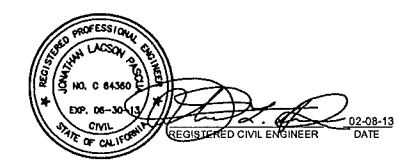
SUBMITTED BY: JONATHAN L. PASCUA, P.E.
PROJECT MANAGER

DESIGN BY: ISABELO DELA MERCED/B. GUZMAN
PROJECT ENGINEER

DRAWN BY: ISABELO DELA MERCED

SPECIFICATIONS WRITTEN BY: ISABELO DELA MERCED

APPROVAL RECOMMENDED BY: PAUL H. GREENWAY, P.E.
ASSISTANT DIRECTOR OF PUBLIC WORKS



NO.	DATE	REVISION	APPROVED
△			
△			
△			
△			



COUNTY OF MONTEREY
RESOURCE MANAGEMENT AGENCY
DEPARTMENT OF PUBLIC WORKS

DESIGN SECTION

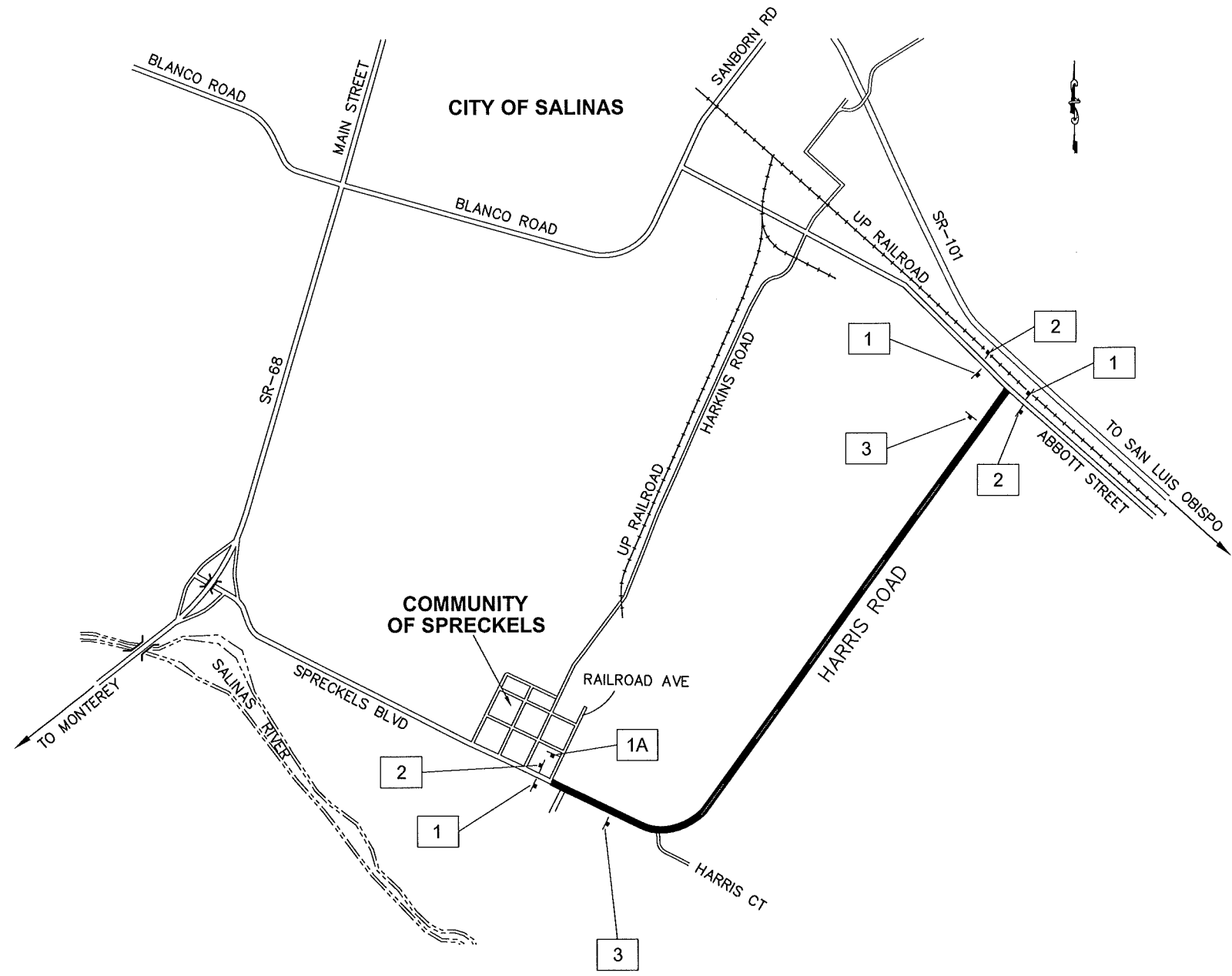
168 WEST ALISAL STREET, 2nd FLOOR
SALINAS, CALIFORNIA 93901
(831)755-4800/FAX (831)755-4958

HARRIS ROAD OVERLAY PROJECT CONTRACT NO. 13-142365		
CONSTRUCTION DETAILS		
DATE 02/08/13	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET CD-1
SCALE NTS	VIEW CD1	

SHEET NUMBER	TOTAL SHEETS
6	20

CONSTRUCTION AREA SIGNS (STATIONARY MOUNTED)					
SIGN NO.	SIGN CODE	SIGN MESSAGE	PANEL SIZE (in)	NO. OF POST AND SIZE	NO. OF SIGNS
1	W20-1	ROAD WORK AHEAD	48 X 48	2 - 4in X 4in	3
1A	W20-1	ROAD WORK AHEAD	36 X 36	1 - 4in X 4in	1
2	G20-2	END ROAD WORK	48 X 24	2 - 4in X 4in	3
3	G20-1	ROAD WORK NEXT 2 MILES	60 X 36	2 - 4in X 4in	2

- NOTES:
- THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.
 - EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.



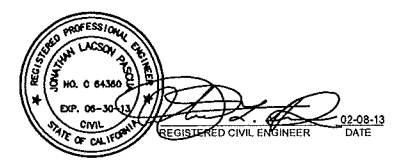
SUBMITTED BY, JONATHAN L. PASCUA, P.E., PROJECT MANAGER

DESIGN BY, ISABELO DELA MERCED/B. GUZMAN, PROJECT ENGINEER

DRAWN BY, ISABELO DELA MERCED/T. NYUNT, PROJECT ENGINEER

SPECIFICATIONS WRITTEN BY, ISABELO DELA MERCED, PROJECT ENGINEER

APPROVAL RECOMMENDED BY, PAUL H. GREENWAY, P.E., ASSISTANT DIRECTOR OF PUBLIC WORKS



NO.	DATE	REVISION	APPROVED
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COUNTY OF MONTEREY
 RESOURCE MANAGEMENT AGENCY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN SECTION
 168 WEST ALISAL STREET, 2nd FLOOR
 SALINAS, CALIFORNIA 93901
 (831)755-4800/FAX (831)755-4958

HARRIS ROAD OVERLAY PROJECT
 CONTRACT NO. 13-142365

CONSTRUCTION AREA SIGNS

DATE: 02/08/13

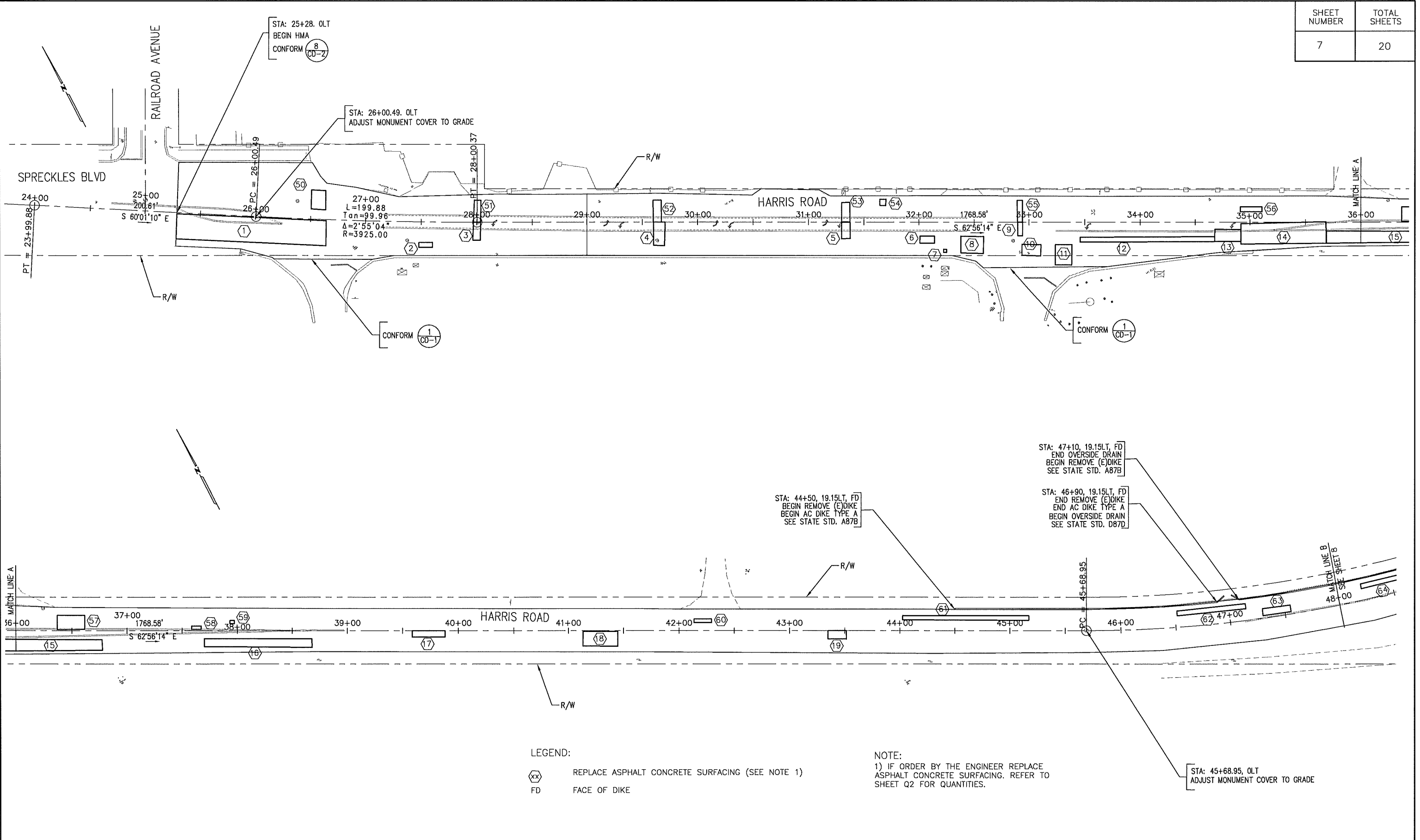
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RELATIVE BORDER SCALE: IN INCHES

VIEW: CS-1

SHEET: CS-1

SHEET NUMBER	TOTAL SHEETS
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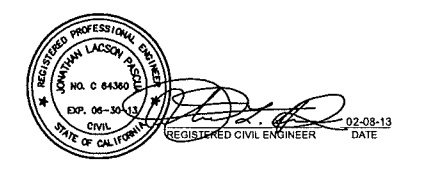


LEGEND:
 xx REPLACE ASPHALT CONCRETE SURFACING (SEE NOTE 1)
 FD FACE OF DIKE

NOTE:
 1) IF ORDER BY THE ENGINEER REPLACE ASPHALT CONCRETE SURFACING. REFER TO SHEET Q2 FOR QUANTITIES.

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SUBMITTED BY, JONATHAN L. PASQUA, P.E. PROJECT MANAGER	
DESIGN BY, BARNEY GUZMAN PROJECT ENGINEER	CHKD BY, J.P.
DRAWN BY, T. NYUNT	CHKD BY, B.G.
SPECIFICATIONS WRITTEN BY, I. DELA MERCED	CHKD BY, J.P.
APPROVAL RECOMMENDED BY, PAUL, H. GREENWAY, P.E. ASSISTANT DIRECTOR OF PUBLIC WORKS	



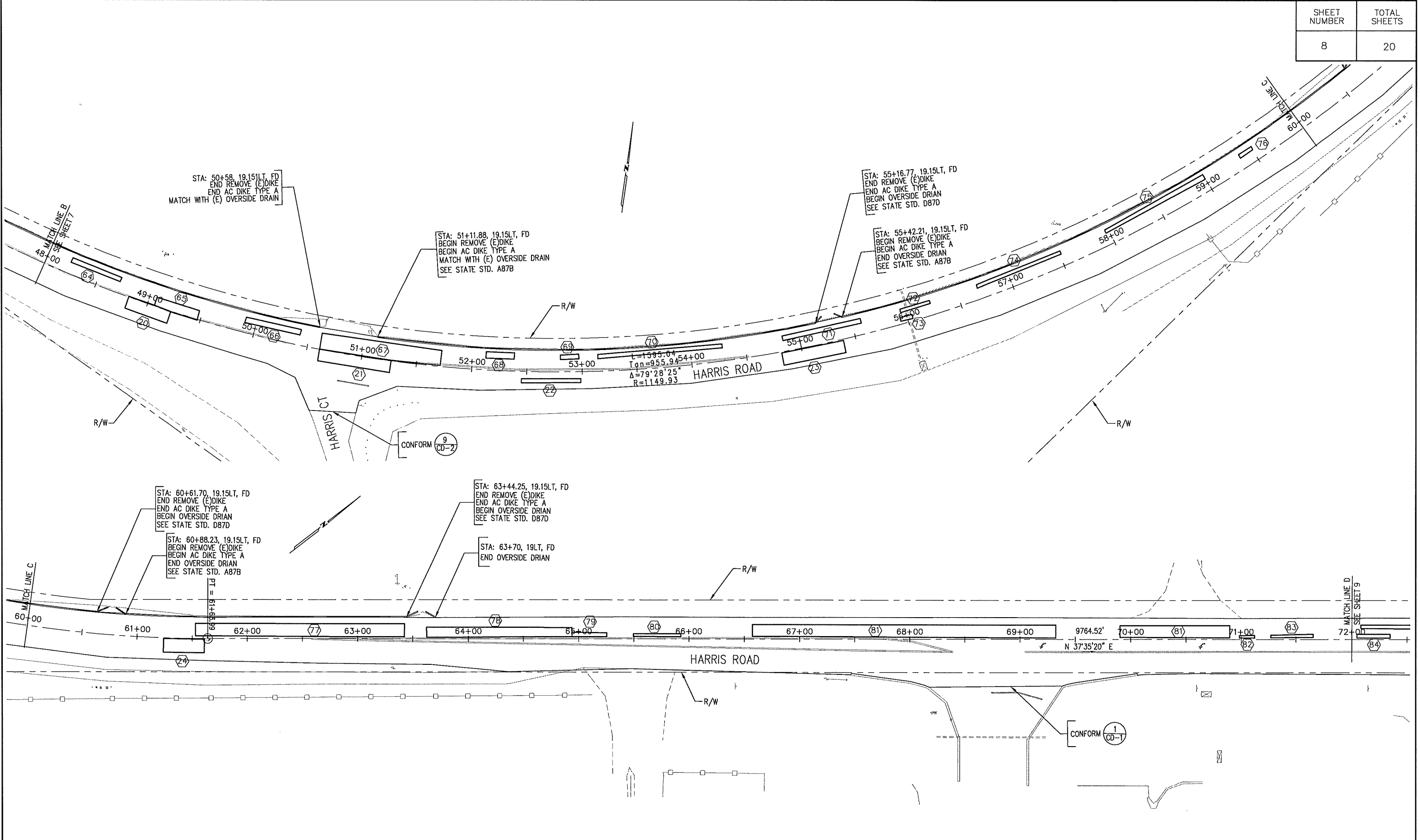
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COUNTY OF MONTEREY
 RESOURCE MANAGEMENT AGENCY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN SECTION
 168 WEST ALISAL STREET, 2nd FLOOR
 SALINAS, CALIFORNIA 93901
 (831)755-4800/FAX (831)755-4958

HARRIS ROAD OVERLAY PROJECT CONTRACT NO. 13-142365		
LAYOUT PLAN		
DATE 2/8/2013	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET L1
SCALE 1:40(H)	VIEW	

SHEET NUMBER	TOTAL SHEETS
8	20



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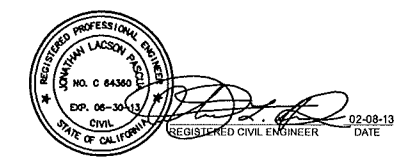
SUBMITTED BY, JONATHAN L. PASCUA, P.E.
PROJECT MANAGER

DESIGN BY, BARNEY GUZMAN
PROJECT ENGINEER

DRAWN BY, T. NYUNT

SPECIFICATIONS WRITTEN BY, I. DELA MERCED

APPROVAL RECOMMENDED BY, PAUL H. GREENWAY, P.E.
ASSISTANT DIRECTOR OF PUBLIC WORKS



NO.	DATE	REVISION	APPROVED
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COUNTY OF MONTEREY
RESOURCE MANAGEMENT AGENCY
DEPARTMENT OF PUBLIC WORKS

DESIGN SECTION

168 WEST ALISAL STREET, 2nd FLOOR
SALINAS, CALIFORNIA 93901
(831)755-4800/FAX (831)755-4958

HARRIS ROAD OVERLAY
PROJECT
CONTRACT NO. 13-142365

LAYOUT PLAN

DATE: 2/8/2013

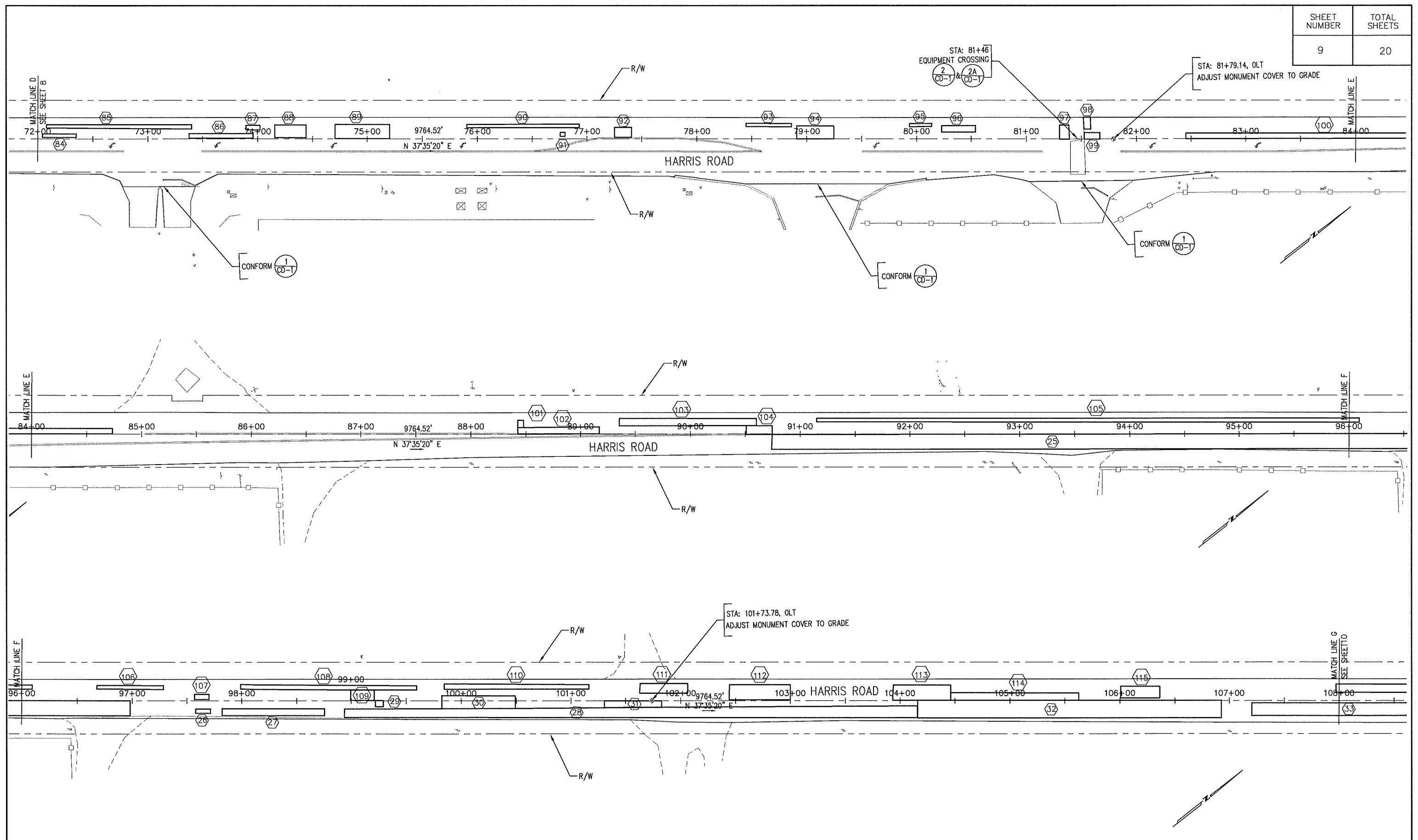
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VIEW

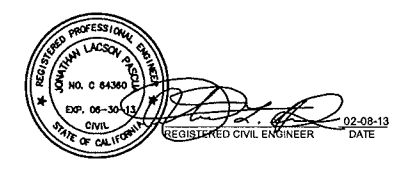
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SHEET NUMBER	TOTAL SHEETS
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SUBMITTED BY: JONATHAN L. PASCUA, P.E. PROJECT MANAGER	
DESIGN BY: BARNEY GUZMAN PROJECT ENGINEER	CHKD BY: J.P.
DRAWN BY: T. NYUNT	CHKD BY: B.G.
SPECIFICATIONS WRITTEN BY: I. DELA MERCED	CHKD BY: J.P.
APPROVAL RECOMMENDED BY: PAUL, H. GREENWAY, P.E. ASSISTANT DIRECTOR OF PUBLIC WORKS	



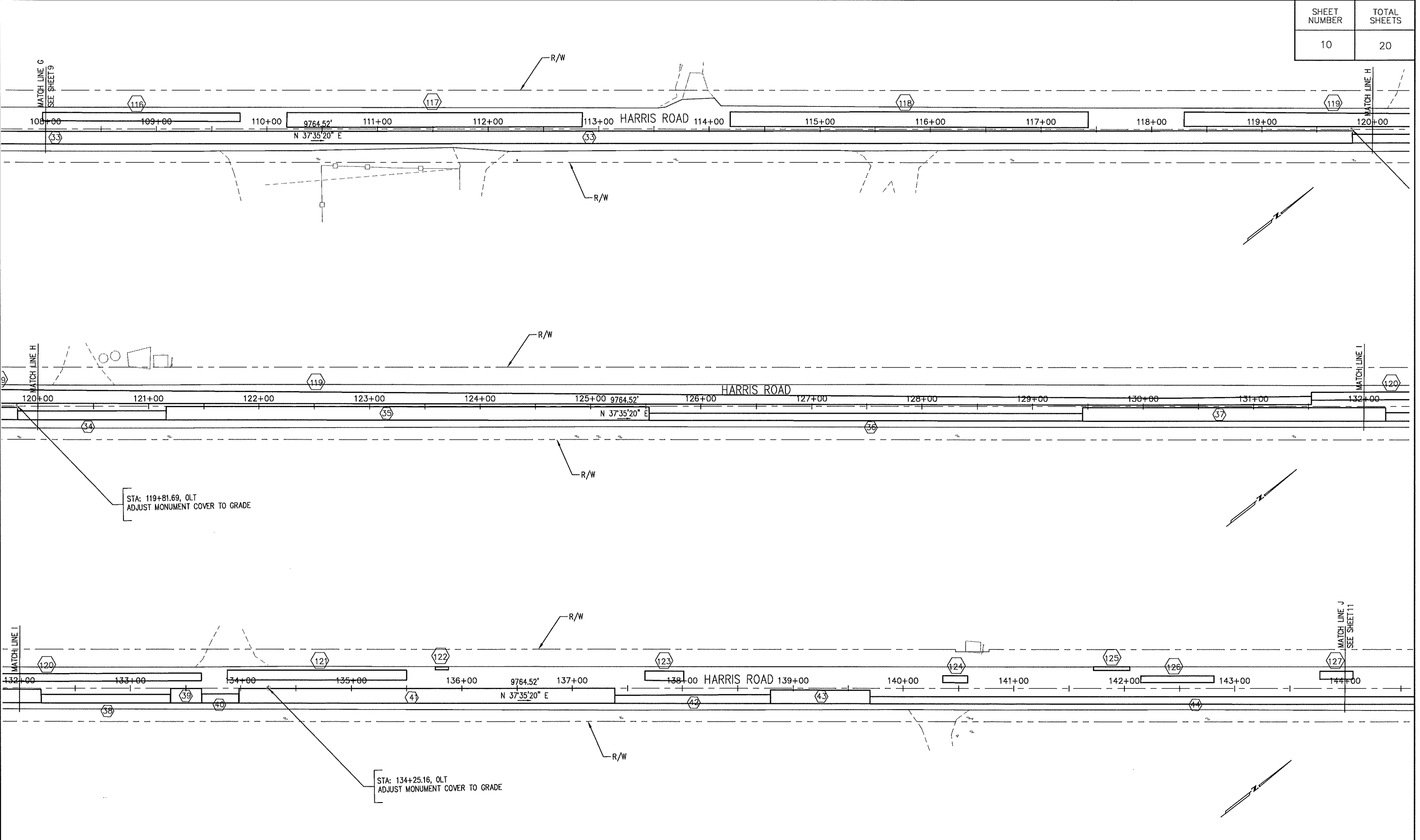
NO.	DATE	REVISION	APPROVED



COUNTY OF MONTEREY
 RESOURCE MANAGEMENT AGENCY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN SECTION
 168 WEST ALISAL STREET, 2nd FLOOR
 SALINAS, CALIFORNIA 93901
 (831)755-4800/FAX (831)755-4958

HARRIS ROAD OVERLAY PROJECT CONTRACT NO. 13-142365		
LAYOUT PLAN		
DATE 2/8/2013	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET L3
SCALE 1:40(H)	VIEW	

SHEET NUMBER	TOTAL SHEETS
10	20



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SUBMITTED BY, JONATHAN L. PASCUA, P.E.
PROJECT MANAGER

DESIGN BY, BARNEY GUZMAN
PROJECT ENGINEER

DRAWN BY, T. NYUNT

SPECIFICATIONS WRITTEN BY, I. DELA MERCED

APPROVAL RECOMMENDED BY, PAUL H. GREENWAY, P.E.
ASSISTANT DIRECTOR OF PUBLIC WORKS



NO.	DATE	REVISION	APPROVED
△			
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COUNTY OF MONTEREY
RESOURCE MANAGEMENT AGENCY
DEPARTMENT OF PUBLIC WORKS

DESIGN SECTION

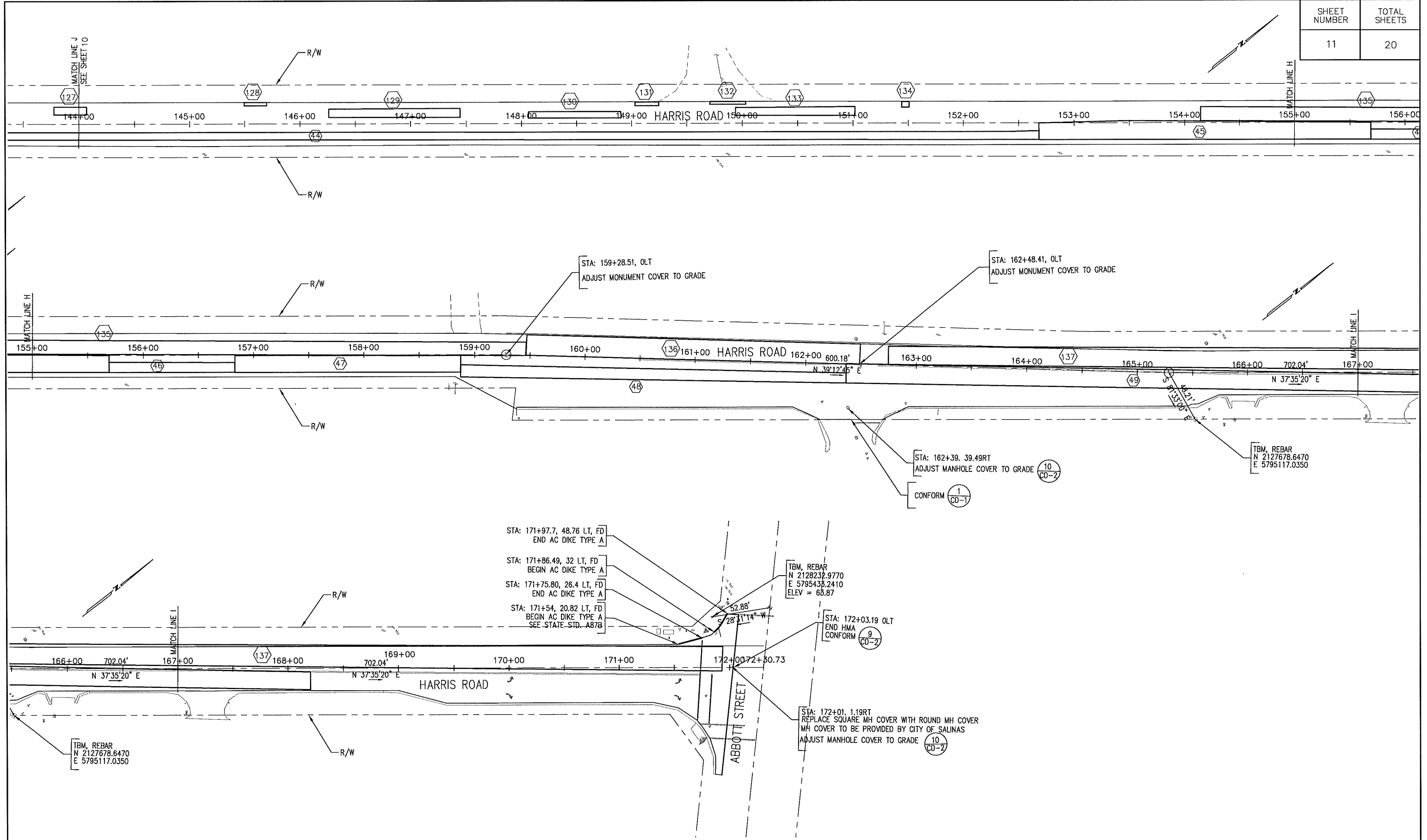
168 WEST ALISAL STREET, 2nd FLOOR
SALINAS, CALIFORNIA 93901
(831)755-4800/FAX (831)755-4958

HARRIS ROAD OVERLAY PROJECT
CONTRACT NO. 13-142365

LAYOUT PLAN

DATE 2/8/2013	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET L4
SCALE 1:40(H)	VIEW	

SHEET NUMBER	TOTAL SHEETS
11	20



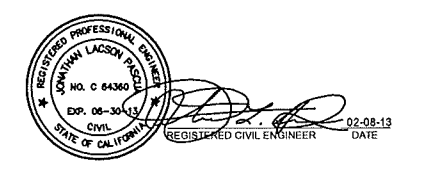
SUBMITTED BY, JONATHAN L. PASQUA, P.E.
PROJECT MANAGER

DESIGN BY, BARNEY GUZMAN, PROJECT ENGINEER
CHKD BY, J.P.

DRAWN BY, T. NYUNT
CHKD BY, B.G.

SPECIFICATIONS WRITTEN BY, I. DELA MERCED
CHKD BY, J.P.

APPROVAL RECOMMENDED BY, PAUL, H. GREENWAY, P.E.
ASSISTANT DIRECTOR OF PUBLIC WORKS



NO.	DATE	REVISION	APPROVED



COUNTY OF MONTEREY
RESOURCE MANAGEMENT AGENCY
DEPARTMENT OF PUBLIC WORKS

DESIGN SECTION
168 WEST ALISAL STREET, 2nd FLOOR
SALINAS, CALIFORNIA 93901
(831)755-4800/FAX (831)755-4958

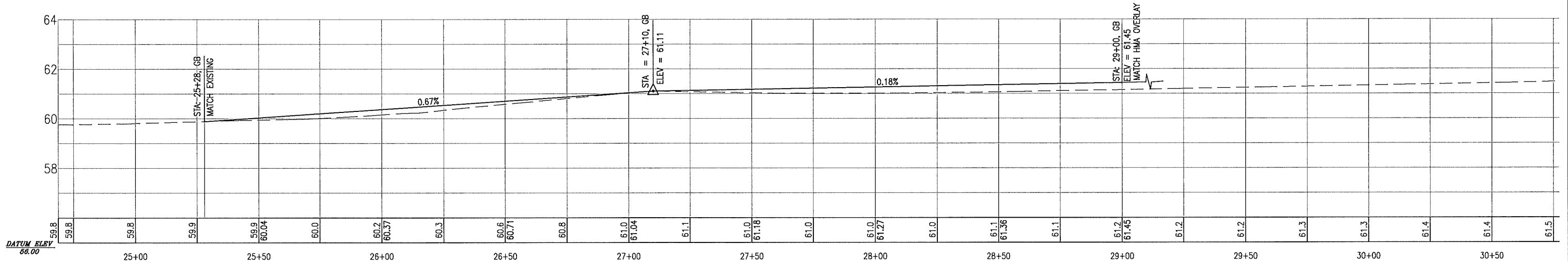
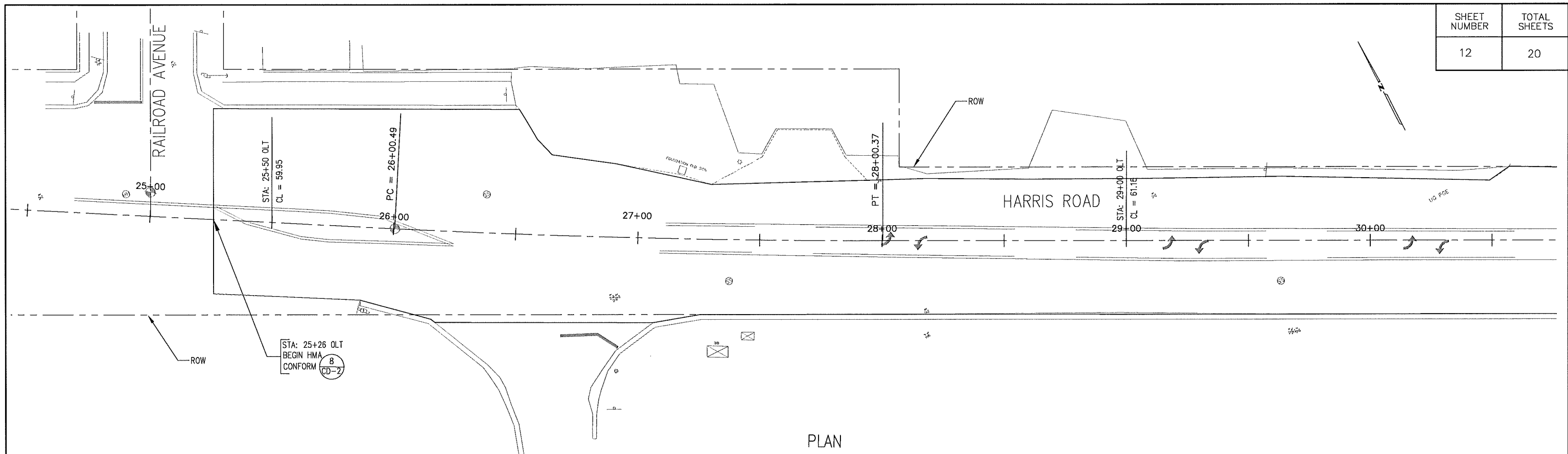
HARRIS ROAD OVERLAY PROJECT
CONTRACT NO. 13-142365

LAYOUT PLAN

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SCALE 1:40(H)	VIEW	

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SHEET NUMBER	TOTAL SHEETS
12	20



NOTE:
 ALL WORK INVOLVED TO CONSTRUCT ROADWAY TO NEW PROFILE IS INCLUDED IN THE CONTRACT PRICE PAID FOR COLD PLANE ASPHALT CONCRETE PAVEMENT & HMA (TYPE A).

K:\Design\Projects\1423-Harris Road Overlay\2013\CAD\1423-Harris Road Overlay.dwg\Railroad crossing profile.dwg, 2/13/2013 11:35:32 AM

SUBMITTED BY, JONATHAN L. PASCUA, P.E. PROJECT MANAGER	
DESIGN BY, BARNEY GUZMAN PROJECT ENGINEER	CHKD BY .J.P.
DRAWN BY, T. NYUNT	CHKD BY .B.G.
SPECIFICATIONS WRITTEN BY, I. DELA MERCED	CHKD BY .J.P.
APPROVAL RECOMMENDED BY, PAUL H. GREENWAY, P.E. ASSISTANT DIRECTOR OF PUBLIC WORKS	



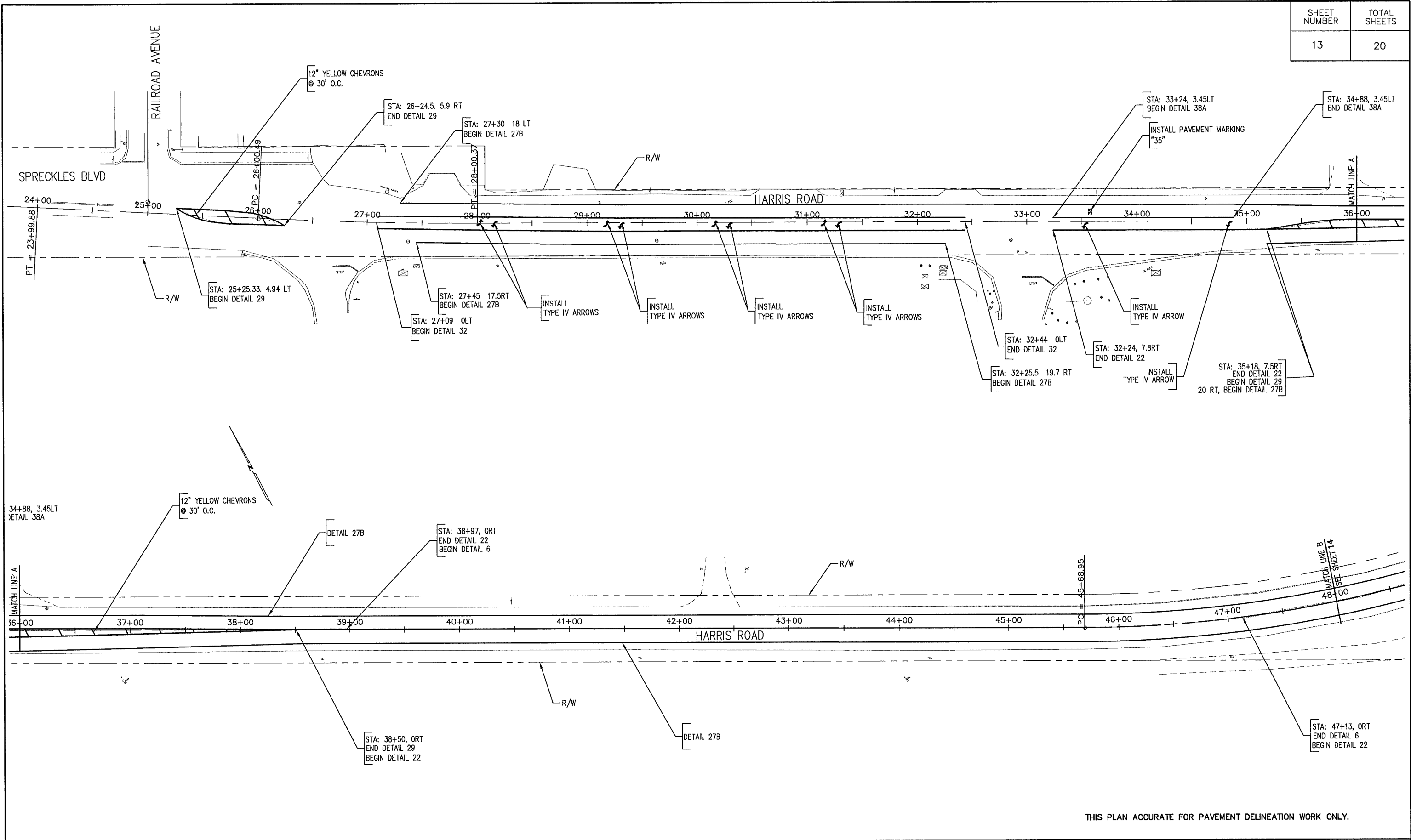
NO.	DATE	REVISION	APPROVED



COUNTY OF MONTEREY
 RESOURCE MANAGEMENT AGENCY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN SECTION
 168 WEST ALISAL STREET, 2nd FLOOR
 SALINAS, CALIFORNIA 93901
 (831)755-4800/FAX (831)755-4958

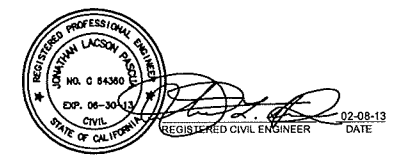
HARRIS ROAD OVERLAY PROJECT CONTRACT NO. 13-142365		
PLAN AND PROFILE		
DATE 2/8/2013	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET P1
SCALE 1:20(H), 1:2(V)	VIEW	

SHEET NUMBER	TOTAL SHEETS
13	20



THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY.

SUBMITTED BY, JONATHAN L. PASCUA, P.E. PROJECT MANAGER	
DESIGN BY, BARNEY GUZMAN PROJECT ENGINEER	CHKD BY, J.P.
DRAWN BY, T. NYUNT	CHKD BY, B.G.
SPECIFICATIONS WRITTEN BY, I. DELA MERCED	CHKD BY, J.P.
APPROVAL RECOMMENDED BY, PAUL H. GREENWAY, P.E. ASSISTANT DIRECTOR OF PUBLIC WORKS	



NO.	DATE	REVISION	APPROVED
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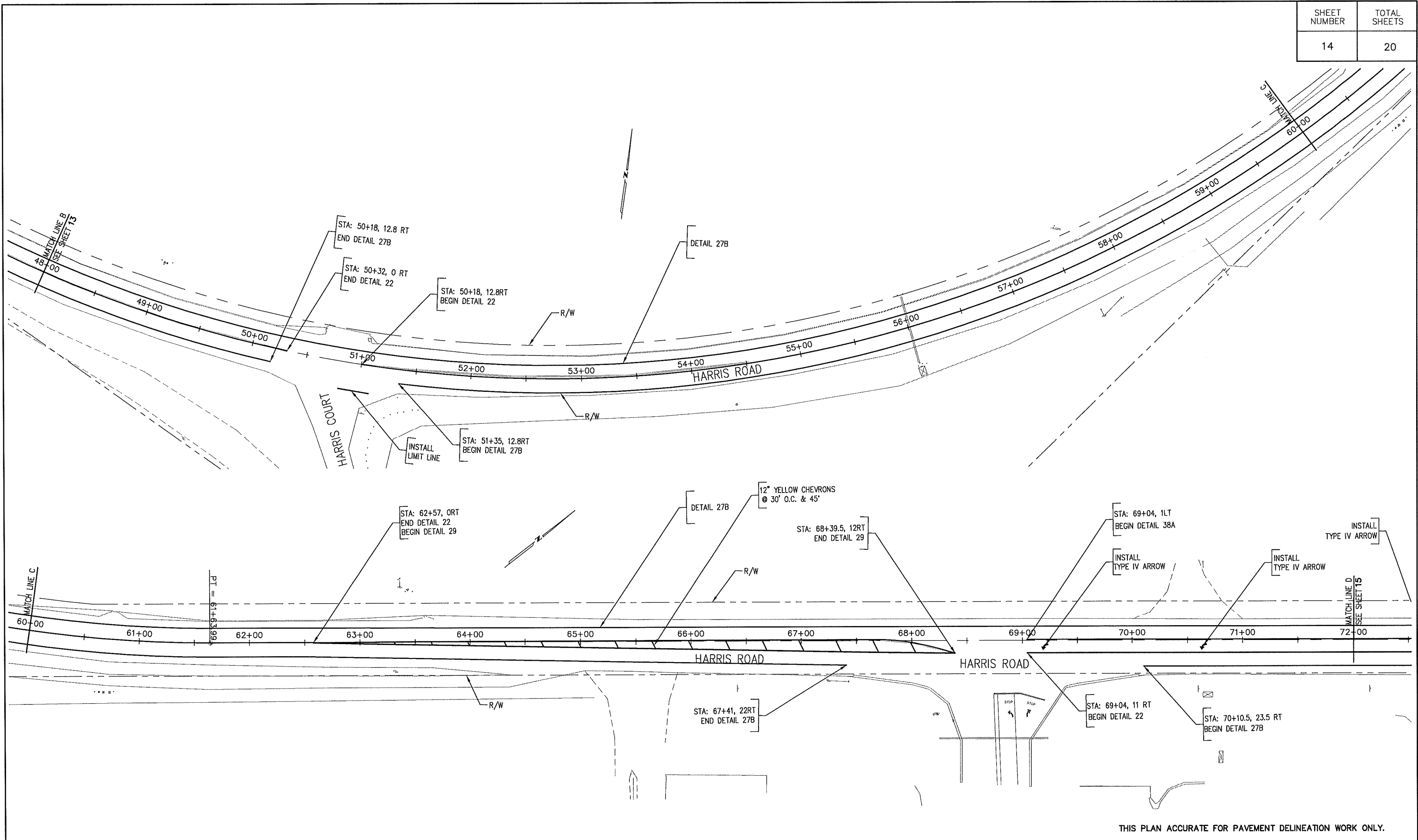


COUNTY OF MONTEREY
RESOURCE MANAGEMENT AGENCY
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DESIGN SECTION
168 WEST ALISAL STREET, 2nd FLOOR
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HARRIS ROAD PROJECT CONTRACT NO. 13-142365		
PAVEMENT DELINEATION PLAN		
DATE 2/8/2013	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET PD1
SCALE 1:40(H)	VIEW	

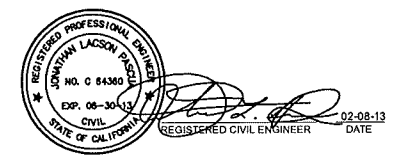
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SHEET NUMBER	TOTAL SHEETS
14	20



THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY.

SUBMITTED BY: JONATHAN L. PASCUA, P.E. PROJECT MANAGER	
DESIGN BY: BARNEY GUZMAN PROJECT ENGINEER	CHKD BY: J.P.
DRAWN BY: T. NYUNT	CHKD BY: B.G.
SPECIFICATIONS WRITTEN BY: I. DELA MERCED	CHKD BY: J.P.
APPROVAL RECOMMENDED BY: PAUL H. GREENWAY, P.E. ASSISTANT DIRECTOR OF PUBLIC WORKS	



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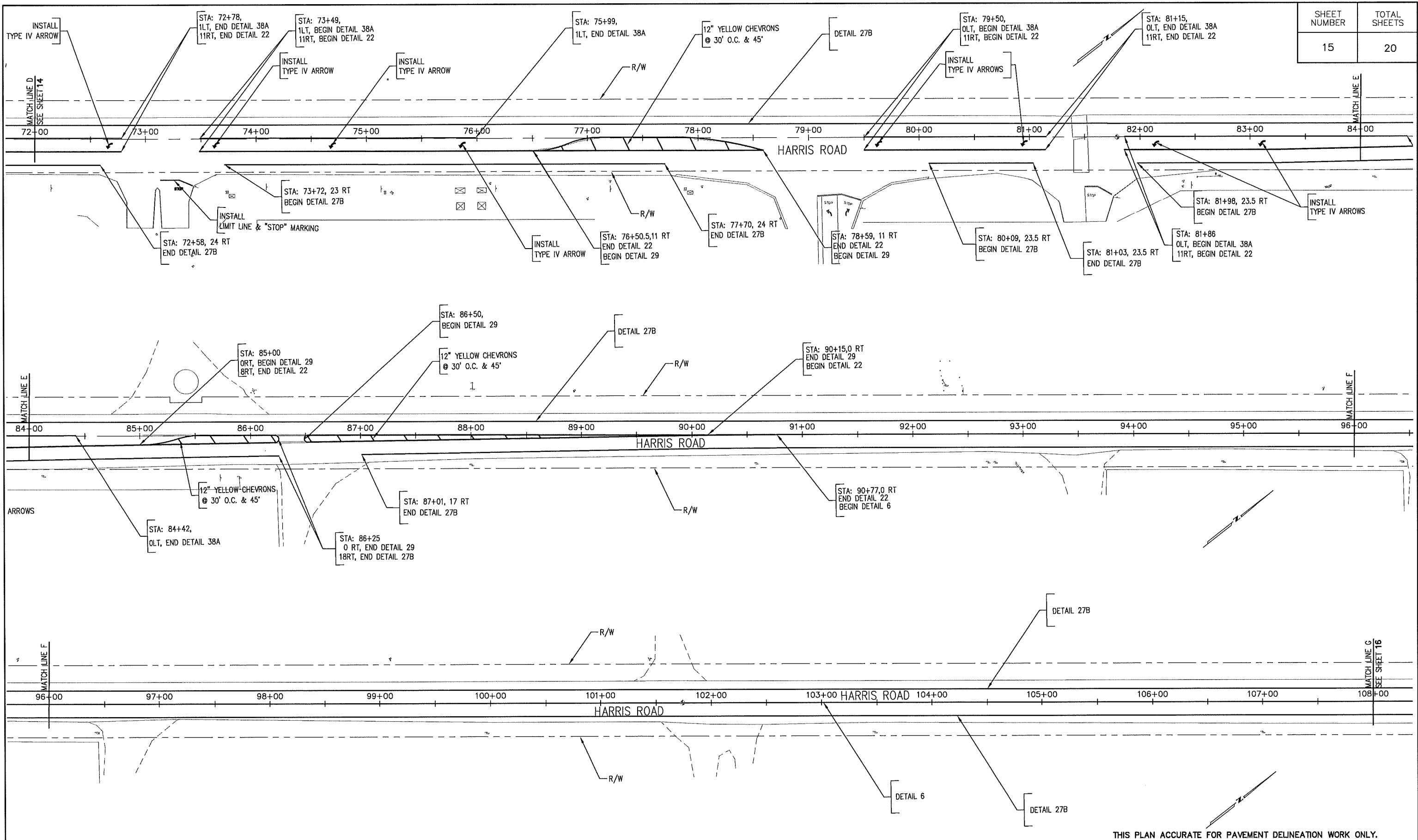


COUNTY OF MONTEREY
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168 WEST ALISAL STREET, 2nd FLOOR
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HARRIS ROAD PROJECT CONTRACT NO. 13-142365		
PAVEMENT DELINEATION PLAN		
DATE 2/8/2013	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET PD2
SCALE 1:40(H)	VIEW	

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SHEET NUMBER	TOTAL SHEETS
15	20



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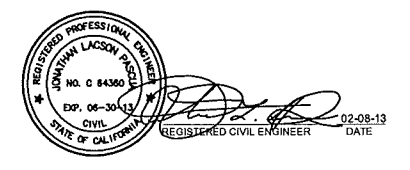
SUBMITTED BY: JONATHAN L. PASCUA, P.E.
PROJECT MANAGER

DESIGN BY: BARNEY GUZMAN
PROJECT ENGINEER

DRAWN BY: T. NYUNT

SPECIFICATIONS WRITTEN BY: I. DELA MERCED

APPROVAL RECOMMENDED BY: PAUL H. GREENWAY, P.E.
ASSISTANT DIRECTOR OF PUBLIC WORKS



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COUNTY OF MONTEREY
RESOURCE MANAGEMENT AGENCY
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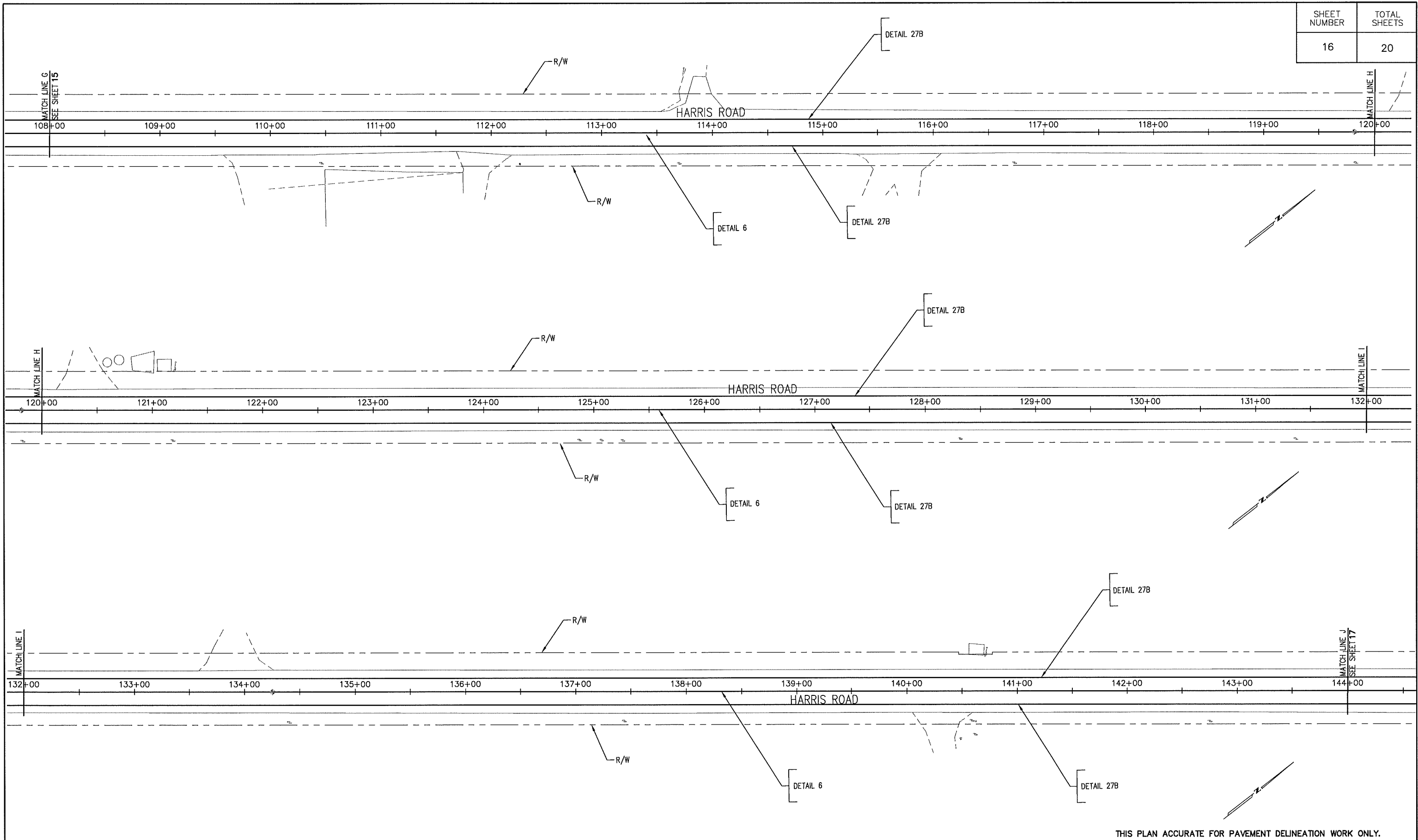
HARRIS ROAD PROJECT
CONTRACT NO. 13-142365

PAVEMENT DELINEATION PLAN

DATE 2/8/2013	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET PD3
SCALE 1:40(H)	VIEW	

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SHEET NUMBER	TOTAL SHEETS
16	20



THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY.

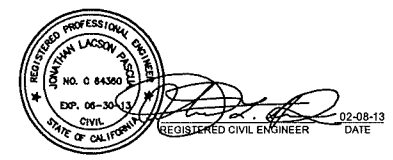
SUBMITTED BY, JONATHAN L. PASCUA, P.E.
PROJECT MANAGER

DESIGN BY, BARNEY GUZMAN
PROJECT ENGINEER

DRAWN BY, T. NYUNT

SPECIFICATIONS WRITTEN BY, I. DELA MERCED

APPROVAL
RECOMMENDED BY, PAUL H. GREENWAY, P.E.
ASSISTANT DIRECTOR OF PUBLIC WORKS



NO.	DATE	REVISION	APPROVED
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COUNTY OF MONTEREY
RESOURCE MANAGEMENT AGENCY
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168 WEST ALISAL STREET, 2nd FLOOR
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(831)755-4800/FAX (831)755-4958

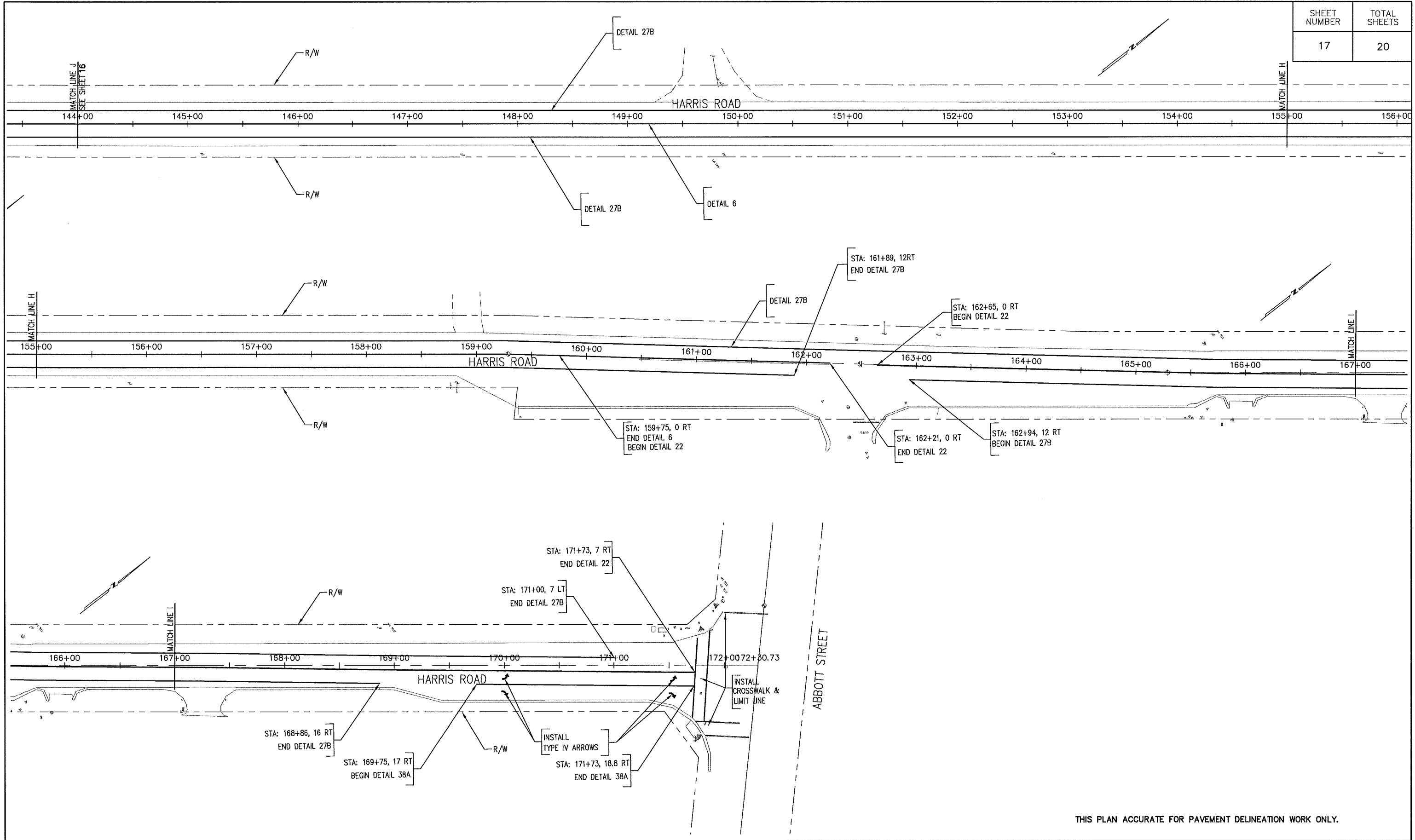
HARRIS ROAD PROJECT
CONTRACT NO. 13-142365

PAVEMENT DELINEATION PLAN

DATE 2/8/2013	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET PD4
SCALE 1:40(H)	VIEW	

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SHEET NUMBER	TOTAL SHEETS
17	20



THIS PLAN ACCURATE FOR PAVEMENT DELINEATION WORK ONLY.

SUBMITTED BY, JONATHAN L. PASCUA, P.E.
PROJECT MANAGER

DESIGN BY, BARNEY GUZMAN
PROJECT ENGINEER

DRAWN BY, T. NYUNT

SPECIFICATIONS WRITTEN BY, I. DELA MERCED

APPROVAL RECOMMENDED BY, PAUL H. GREENWAY, P.E.
ASSISTANT DIRECTOR OF PUBLIC WORKS

NO.	DATE	REVISION	APPROVED
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COUNTY OF MONTEREY
RESOURCE MANAGEMENT AGENCY
DEPARTMENT OF PUBLIC WORKS

DESIGN SECTION

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SALINAS, CALIFORNIA 93901
(831)755-4800/FAX (831)755-4958

HARRIS ROAD PROJECT
CONTRACT NO. 13-142365

PAVEMENT DELINEATION PLAN

DATE 2/8/2013	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET PD5
SCALE 1:40(H)	VIEW	

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PAVEMENT DELINEATION

SHEET NUMBER	TOTAL SHEETS
18	20

DETAIL NO. OR PAVEMENT MARKING	REMOVE PAVEMENT MARKER	REMOVE THERMOPLASTIC PAVEMENT MARKING	REMOVE THERMOPLASTIC TRAFFIC STRIPE			THERMOPLASTIC TRAFFIC STRIPE			THERMOPLASTIC PAVEMENT MARKING	PAVEMENT MARKER RETROREFLECTIVE
			4" WHITE	4" YELLOW	4" WHITE (SOLID)	4" YELLOW (SOLID)	4" YELLOW (BROKEN 36-12)	4" WHITE		
	EA	SQFT	LF	LF	LF	LF	LF	SQFT	EA	
DETAIL 6	18			816			7787		163	
DETAIL 22	342			6008		8170			342	
DETAIL 27B			11862		27590					
DETAIL 29	145			6920		6920			145	
DETAIL 32	60			2140		1070	1070		60	
LILMT LINE								60		
CROSSWALK		235						235		
TYPE IV ARROW		390						390		
STOP " 35"		17						44		
MISC ISLAND / CHEVRON		370						370		
SUBTOTAL	565	1012	11862	15884	27590	16160	8857	1116	710	
TOTAL	565	1012	27746		43750		8857	1116	710	

COLD PLANE AC PAVEMENT

BEGIN	END	OFFSET	AREA(SQYD)	DESCRIPTION
29+00	62+50		8933	3" ON 12' TRAVEL WAY EB & WB
62+50	90+75		3767	3" ON 12' TRAVEL WAY WB
90+75	171+71		21589	3" ON 12' TRAVEL WAY EB & WB
169+31	171+71		69	3" ON 2.6' ADDITIONAL TRAVEL WAY EB
		SUB TOTAL	34358	
25+28	29+00		2694	NEW PROFILE
171+71	172+03		372	CONFORM AT CROSS STREET
		SUB TOTAL	3066	
25+89	26+21	RT	15	CONFORM AT CURB
27+06	32+60	RT	250	CONFORM AT CURB
33+54	35+03	RT	67	CONFORM AT CURB
67+47	68+17	RT	32	CONFORM AT CURB
69+38	70+06	RT	31	CONFORM AT CURB
77+80	78+45	RT	29	CONFORM AT CURB
159+39	162+13	RT	123	CONFORM AT CURB
162+73	171+11	RT	384	CONFORM AT CURB
25+90	26+48	LT	26	CONFORM AT CURB
		SUB TOTAL	957	
26+63		RT	89	CONFORM AT CROSS STREET
32+96		RT	100	CONFORM AT CROSS STREET
50+81		RT	171	CONFORM AT CROSS STREET
68+78		RT	111	CONFORM AT CROSS STREET
73+00		RT	102	CONFORM AT CROSS STREET
79+10		RT	122	CONFORM AT CROSS STREET
81+50		RT	89	CONFORM AT CROSS STREET
162+50		RT	103	CONFORM AT CROSS STREET
27+68		LT	67	CONFORM AT CROSS STREET
		SUB TOTAL	954	
		TOTAL	39335	

ASPHALT CONCRETE DIKE

STATION	DIRECTION	REMOVE ASPHALT CONCRETE DIKE (TYPE A)	HOT MIX ASPHALT DIKE (TYPE A)	HOT MIX ASPHALT (TYPE A)
		LF	LF	TON
44+50 TO 46+90	WB	240	240	7
47+10 TO 50+58	WB	348	348	10
51+12 TO 55+17	WB	405	405	11
55+42 TO 60+62	WB	520	520	14
60+88 TO 63+44	WB	256	256	7.0
171+54 TO 171+98	WB	50	50	1
	TOTAL	1819	1819	50

HOT MIX ASPHALT (MISCELLANEOUS AREA)

STATION	DIRECTION	REMOVE ASPHALT CONCRETE OVERSIDE DRAIN	HOT MIX ASPHALT OVERSIDE DRAIN	HOT MIX ASPHALT (TYPE A)
		EA	SQ YD	TON
46+90 TO 47+10	WB	1	12	2
55+17 TO 55+42	WB	1	12	2
60+62 TO 60+88	WB	1	12	2
63+44 TO 63+70	WB	1	12	2
	TOTAL	4	48	8

ADJUST FRAME AND COVER

STATION	QUANTITY	DESCRIPTION
26+00.49	1	SURVEY MONUMENT
45+68.95	1	SURVEY MONUMENT
61+63.99	1	SURVEY MONUMENT
81+79.14	1	SURVEY MONUMENT
101+73.78	1	SURVEY MONUMENT
119+81.69	1	SURVEY MONUMENT
134+25.16	1	SURVEY MONUMENT
162+48.41	1	SURVEY MONUMENT
162+39	1	STORM DRAIN MANHOLE
171+01	1	STORM DRAIN MANHOLE
	TOTAL	10

ROADWAY QUANTITY

STATION	HOT MIX ASPHALT (TYPE A)	TACK COAT	PAVEMENT REINFORCING FABRIC	IMPORTED MATERIAL (SHOULDER BACKING)	REMARK
	TON	TON	SQYD	TON	
25+26 TO 172+03	12689	15	45656	725	3" OVERLAY, EP TO EP & CROSS STREETS
25+26 TO 172+03	5798				AT 3" GRINDING LOCATIONS
	TOTAL	15	45656	725	

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SUBMITTED BY, JONATHAN L. PASCUA, P.E. PROJECT MANAGER	
DESIGN BY, BARNEY GUZMAN PROJECT ENGINEER	CHKD BY, J.P.
DRAWN BY, THANT NYUNT	CHKD BY, B.G.
SPECIFICATIONS WRITTEN BY, I. DELA MERCED	CHKD BY, J.P.
APPROVAL RECOMMENDED BY, PAUL H. GREENWAY, P.E. ASSISTANT DIRECTOR OF PUBLIC WORKS	



NO.	DATE	REVISION	APPROVED
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COUNTY OF MONTEREY
RESOURCE MANAGEMENT AGENCY
DEPARTMENT OF PUBLIC WORKS
DESIGN SECTION
168 WEST ALISAL STREET, 2nd FLOOR
SALINAS, CALIFORNIA 93901
(831)755-4800/FAX (831)755-4958

HARRIS OVERLAY PROJECT CONTRACT NO. 13-142365		
SUMMARY OF QUANTITIES		
DATE 2/8/2013	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET Q1
SCALE N.T.S.	VIEW	

REPLACE ASPHALT CONCRETE SURFACING
 IF ORDERED BY THE ENGINEER REPLACE ASPHALT CONCRETE SURFACING.

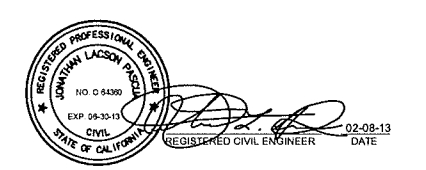
LOCATION NO.	STATIONS		DIRECTION	LENGTH FT	WIDTH FT	VOLUME CUYD
	BEGIN	END				
1	25+26	26+65	EB	138.6	22	14.1
2	27+48	27+60	EB	12.3	4	0.2
3	27+96	28+03	EB	6.7	16	0.5
4	29+60	29+70	EB	9.5	21	0.9
5	31+30	31+37	EB	7.7	15	0.5
6	32+01	32+14	EB	13.4	6	0.4
7	32+22	32+25	EB	2.9	4	0.1
8	32+38	32+59	EB	20.8	15	1.4
9	32+90	32+94	EB	4.0	12	0.2
10	32+93	33+11	EB	17.4	10	0.8
11	33+23	33+38	EB	15.0	18	1.2
12	33+46	34+68	EB	122.0	11	6.2
13	34+68	34+91	EB	23.7	11	1.2
14	34+91	35+69	EB	77.1	18	6.4
15	35+69	36+78	EB	109.4	10	5.1
16	37+70	38+68	EB	98.0	8	3.6
17	39+59	39+88	EB	29.4	6	0.8
18	41+14	41+45	EB	31.5	14	2.0
19	43+35	43+51	EB	16.7	8	0.6
20	48+82	49+22	EB	39.8	11	2.0
21	50+62	51+27	EB	65.2	11	3.3
22	52+45	52+99	EB	53.3	4	1.0
23	54+82	55+39	EB	56.7	11	2.9
24	61+24	61+61	EB	37.0	12	2.1
25	90+74	96+98	EB	623.9	14	40.4
26	97+58	97+72	EB	13.8	4	0.3
27	97+82	98+75	EB	93.3	6	2.6
28	98+94	104+16	EB	522.1	11	26.6
29	99+22	99+29	EB	7.2	6	0.2
30	99+82	100+49	EB	66.6	12	3.7
31	101+30	101+83	EB	52.3	6	1.5
32	104+16	106+93	EB	276.8	16	20.5
33	107+20	119+82	EB	1261.2	12	70.1
34	119+82	121+16	EB	134.1	8	5.0
35	121+16	125+53	EB	437.3	12	24.3
36	125+53	129+45	EB	392.0	6	10.9
37	129+45	132+19	EB	274.4	12	15.2
38	132+19	133+36	EB	116.5	8	4.3
39	133+36	133+64	EB	28.6	13	1.7
40	133+64	133+98	EB	34.0	8	1.3
41	133+98	137+39	EB	340.4	14	22.1
42	137+39	138+79	EB	140.6	8	5.2
43	138+79	139+70	EB	90.4	12	5.0
44	139+70	152+68	EB	1298.6	8	48.1
45	152+68	155+69	EB	300.6	15	20.9
46	155+69	156+83	EB	113.9	8	4.2
47	156+83	158+87	EB	204.2	15	14.2
48	158+87	162+37	EB	350.0	9	14.6
49	162+37	168+20	EB	583.4	16	43.2
					SUBTOTAL EB	464

LOCATION NO.	STATIONS		DIRECTION	LENGTH FT	WIDTH FT	VOLUME CUYD
	BEGIN	END				
50	26+50	26+63	WB	13.4	16	1.0
51	27+97	28+30	WB	33.7	20	3.1
52	29+60	29+67	WB	7.3	20	0.7
53	31+30	31+37	WB	7.7	18	0.6
54	31+34	31+70	WB	35.8	6	1.0
55	32+90	32+94	WB	4.0	20	0.4
56	34+91	35+11	WB	19.6	4	0.4
57	36+37	36+62	WB	24.7	12	1.4
58	37+59	37+67	WB	8.7	4	0.2
59	37+93	37+97	WB	4.0	4	0.1
60	42+14	42+30	WB	15.8	4	0.3
61	44+02	45+17	WB	114.9	8	4.3
62	46+52	47+15	WB	63.6	6	1.8
63	47+30	47+56	WB	25.5	6	0.7
64	48+22	48+71	WB	48.5	4	0.9
65	49+07	49+47	WB	40.5	8	1.5
66	49+90	50+42	WB	52.0	5	1.2
67	50+61	51+72	WB	110.8	14	7.2
68	52+13	52+39	WB	26.0	6	0.7
69	52+81	52+97	WB	16.5	4	0.3
70	53+15	54+29	WB	114.7	4	2.1
71	54+85	55+58	WB	73.5	4	1.4
72	55+95	56+24	WB	29.0	4	0.5
73	55+93	56+05	WB	11.6	4	0.2
74	56+69	57+52	WB	82.5	4	1.5
75	57+97	59+00	WB	103.5	4	1.9
76	59+37	59+51	WB	14.0	4	0.3
77	61+53	63+43	WB	189.6	12	10.5
78	63+62	64+94	WB	132.0	8	4.9
79	64+94	65+25	WB	31.0	4	0.6
80	65+50	65+93	WB	43.0	4	0.8
81	66+57	69+32	WB	275.2	12	15.3
82	70+99	71+12	WB	13.5	4	0.3
83	71+27	71+66	WB	38.5	4	0.7
84	72+05	72+35	WB	30.5	4	0.6
85	72+08	73+40	WB	132.0	4	2.4
86	73+38	73+96	WB	58.1	4	1.1
87	73+90	74+02	WB	12.4	4	0.2
88	74+15	74+44	WB	29.0	12	1.6
89	74+71	75+20	WB	49.7	12	2.8
90	75+90	76+93	WB	103.0	4	1.9
91	76+76	76+80	WB	4.5	4	0.1
92	77+25	77+41	WB	16.0	8	0.6
93	78+45	78+86	WB	41.0	12	2.3
94	78+91	79+25	WB	33.5	12	1.9
95	79+94	80+14	WB	20.1	4	0.4
96	80+23	80+54	WB	31.2	8	1.2
97	81+30	81+38	WB	8.0	12	0.4
98	81+52	81+58	WB	6.0	12	0.3
99	81+53	81+67	WB	14.0	6	0.4
					SUBTOTAL WB	401
					TOTAL	865

LOCATION NO.	STATIONS		DIRECTION	LENGTH FT	WIDTH FT	VOLUME CUYD
	BEGIN	END				
100	82+45	84+73	WB	228.0	6	6.3
101	88+42	88+48	WB	6.0	6	0.2
102	88+42	89+17	WB	75.0	6	2.1
103	89+35	90+60	WB	125.0	6	3.5
104	90+50	90+75	WB	25.0	8	0.9
105	91+15	96+09	WB	494.0	4	9.1
106	96+68	97+29	WB	61.0	4	1.1
107	97+57	97+71	WB	13.5	6	0.4
108	97+99	99+60	WB	160.5	4	3.0
109	98+99	99+21	WB	22.0	10	1.0
110	99+85	101+16	WB	131.0	4	2.4
111	101+63	102+06	WB	43.0	8	1.6
112	102+44	103+00	WB	56.0	14	3.6
113	103+94	104+46	WB	52.0	14	3.4
114	104+46	105+63	WB	117.0	8	4.3
115	106+00	106+36	WB	36.0	12	2.0
116	107+97	109+76	WB	179.0	8	6.6
117	110+18	112+85	WB	267.0	12	14.8
118	117+19	117+43	WB	24.0	14	1.6
119	118+29	131+53	WB	1324.0	12	73.6
120	131+53	133+64	WB	211.0	8	7.8
121	133+88	135+50	WB	162.0	9	6.8
122	135+75	135+88	WB	13.0	4	0.2
123	137+65	138+01	WB	36.0	8	1.3
124	140+35	140+58	WB	23.0	6	0.6
125	141+72	142+05	WB	33.0	4	0.6
126	142+14	142+81	WB	67.0	6	1.9
127	143+77	144+07	WB	30.0	8	1.1
128	145+49	145+70	WB	21.0	4	0.4
129	146+26	147+44	WB	118.0	8	4.4
130	148+06	148+90	WB	84.0	6	2.3
131	149+03	149+25	WB	22.0	4	0.4
132	149+71	150+03	WB	32.0	4	0.6
133	149+94	151+02	WB	108.0	8	4.0
134	151+44	151+51	WB	7.0	6	0.2
135	154+14	159+46	WB	532.0	12	29.6
136	159+46	162+49	WB	303.0	18	25.3
137	162+74	171+94	WB	920.0	20	85.2
					SUBTOTAL WB	401
					TOTAL	865

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SUBMITTED BY, JONATHAN L. PASCUA, P.E.
 PROJECT MANAGER
 DESIGN BY, BARNEY GUZMAN
 PROJECT ENGINEER
 DRAWN BY, THANT NYUNT
 SPECIFICATIONS WRITTEN BY, I. DELA MERCED
 APPROVAL
 RECOMMENDED BY, PAUL H. GREENWAY, P.E.
 ASSISTANT DIRECTOR OF PUBLIC WORKS

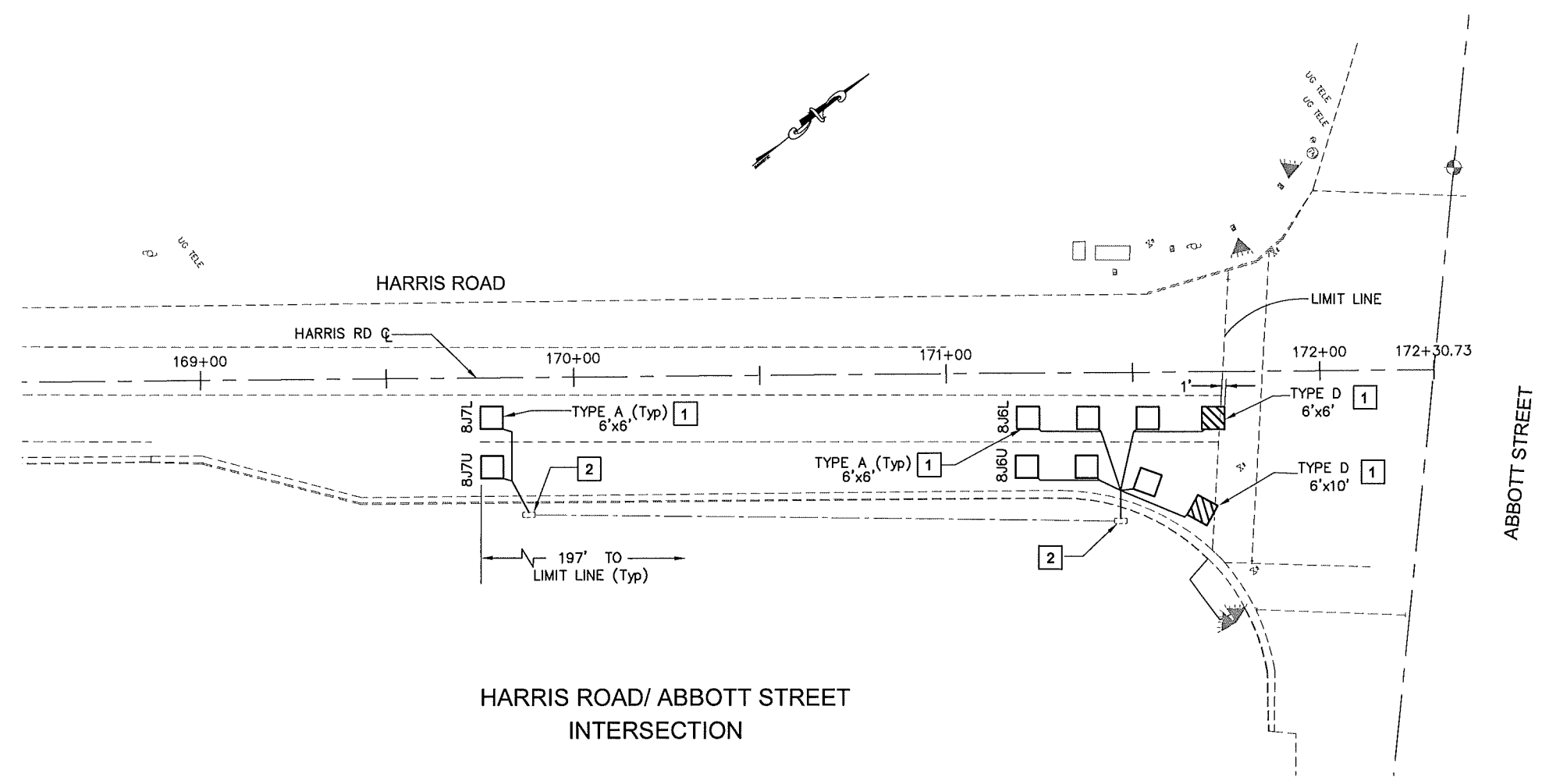


NO.	DATE	REVISION	APPROVED
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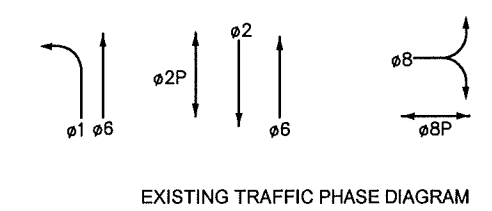
COUNTY OF MONTEREY
 RESOURCE MANAGEMENT AGENCY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN SECTION
 168 WEST ALISAL STREET, 2nd FLOOR
 SALINAS, CALIFORNIA 93901
 (831)755-4800/FAX (831)755-4958

HARRIS OVERLAY
 PROJECT
 CONTRACT NO. 13-142365
SUMMARY OF QUANTITIES
 DATE: 2/8/2013
 SCALE: N.T.S.
 RELATIVE BORDER SCALE: IN INCHES
 VIEW: _____
 SHEET: Q2



HARRIS ROAD/ ABBOTT STREET INTERSECTION

- NOTES:
- 1 ABANDON EXISTING INDUCTIVE LOOP, INSTALL INDUCTIVE LOOP DETECTOR AT LOCATION SHOWN AND AS DIRECTED BY THE ENGINEER.
 - 2 SPLICE EXISTING DLC TO THE NEW LOOP CONDUCTOR(S) IN EXISTING PULL BOX, REMOVE EXISTING LOOP CONDUCTOR FROM PULL BOX.
 - 3 NOTIFY THE ENGINEER IN WRITING PRIOR TO ABANDONING OR SEVERING ANY TRAFFIC SIGNAL LOOP DETECTORS.
 - 4 THE CONTRACTOR SHALL ALLOW THE ENGINEER REASONABLE TIME TO REVIEW ALL LOOP DETECTOR LAYOUTS PRIOR TO SAWCUTTING SLOTS.
 - 5 ALL LOOPS SHALL BE TYPE A EXCEPT WHERE TYPE D AND SPECIAL TYPE IS REQUIRED.



THIS PLAN ACCURATE FOR LOOP DETECTOR WORK ONLY

SUBMITTED BY, JONATHAN L. PASCUA, P.E.
PROJECT MANAGER

DESIGN BY, ISABELO DELA MERCED/B. GUZMAN
PROJECT ENGINEER

DRAWN BY, ISABELO DELA MERCED

SPECIFICATIONS WRITTEN BY, ISABELO DELA MERCED

APPROVAL RECOMMENDED BY, PAUL H. GREENWAY, P.E.
ASSISTANT DIRECTOR OF PUBLIC WORKS

CHKD BY, J.P.
CHKD BY, J.P./B.G.
CHKD BY, J.P./B.G.

REGISTERED CIVIL ENGINEER DATE 02-08-13

NO.	DATE	REVISION	APPROVED
▲			
▲			
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COUNTY OF MONTEREY
RESOURCE MANAGEMENT AGENCY
DEPARTMENT OF PUBLIC WORKS

DESIGN SECTION

168 WEST ALISAL STREET, 2nd FLOOR
SALINAS, CALIFORNIA 93901
(831)755-4800/FAX (831)755-4958

HARRIS ROAD OVERLAY PROJECT
CONTRACT NO. 13-142365

CONSTRUCTION DETAILS

DATE 02/08/13
SCALE NTS

RELATIVE BORDER SCALE: IN INCHES
VIEW E-1

SHEET E-1