

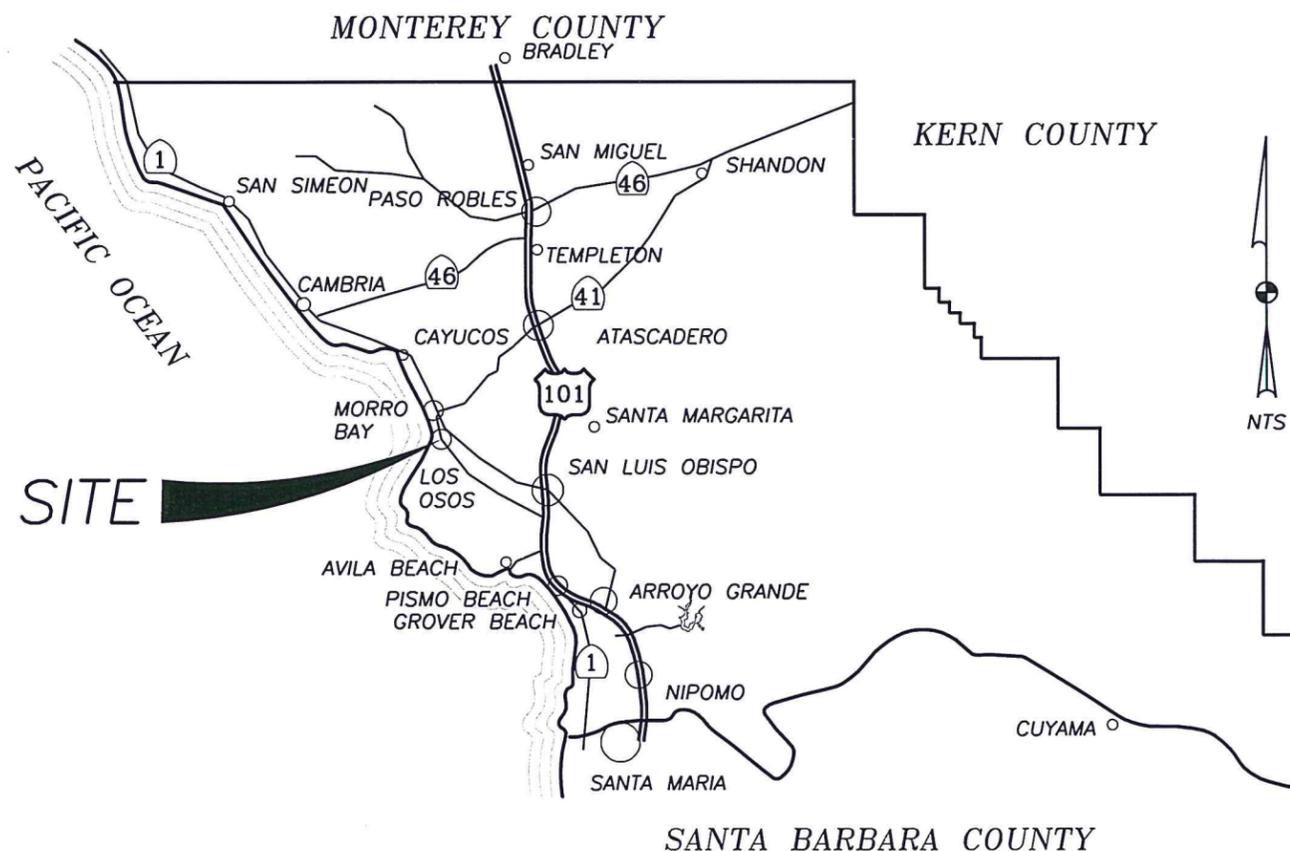
COUNTY OF SAN LUIS OBISPO, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT  
 DESIGN DIVISION

**2013-14 ASPHALT OVERLAY  
 SOUTH BAY BOULEVARD  
 FROM LOVR TO SANTA YSABEL AVENUE  
 LOS OSOS, CA  
 CONTRACT NO. 300504**

To Be Supplemented By State Standard Plans Dated May, 2006

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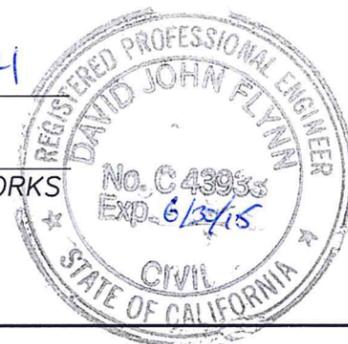
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APPROVED: *May 1*, 20 *14*

*Dave Flynn*

DEPUTY DIRECTOR OF PUBLIC WORKS  
 ENGINEERING SERVICES  
 R.C.E. 43933



*4-28-14*

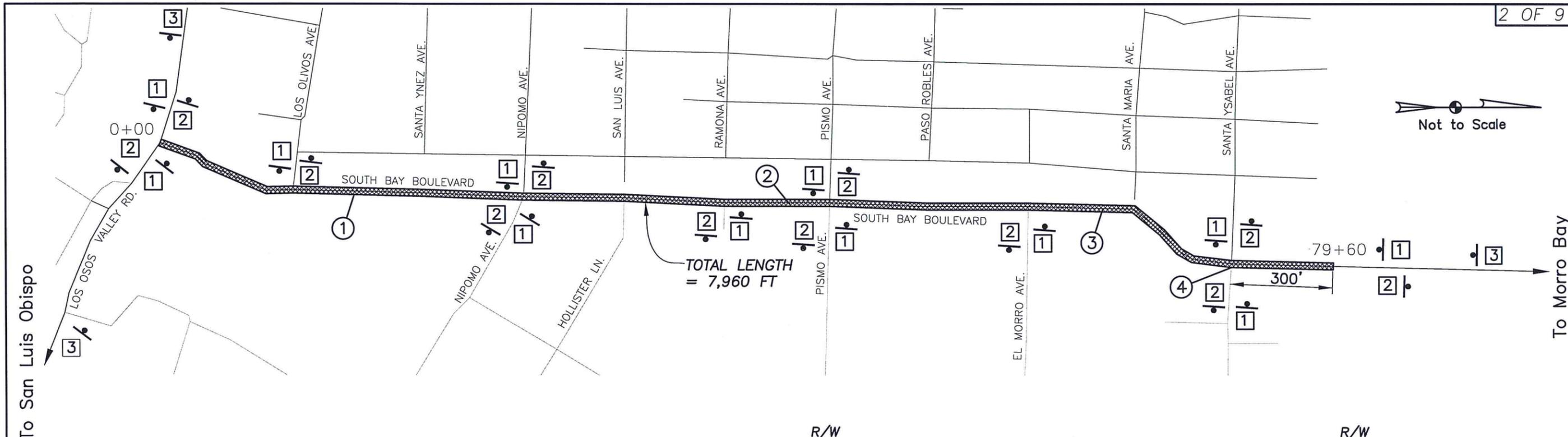
THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS"

COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PUBLIC WORKS  
 2013-14 ASPHALT OVERLAY  
 CONTRACT NO. 300504

**VICINITY MAP**

**SAN LUIS OBISPO COUNTY**

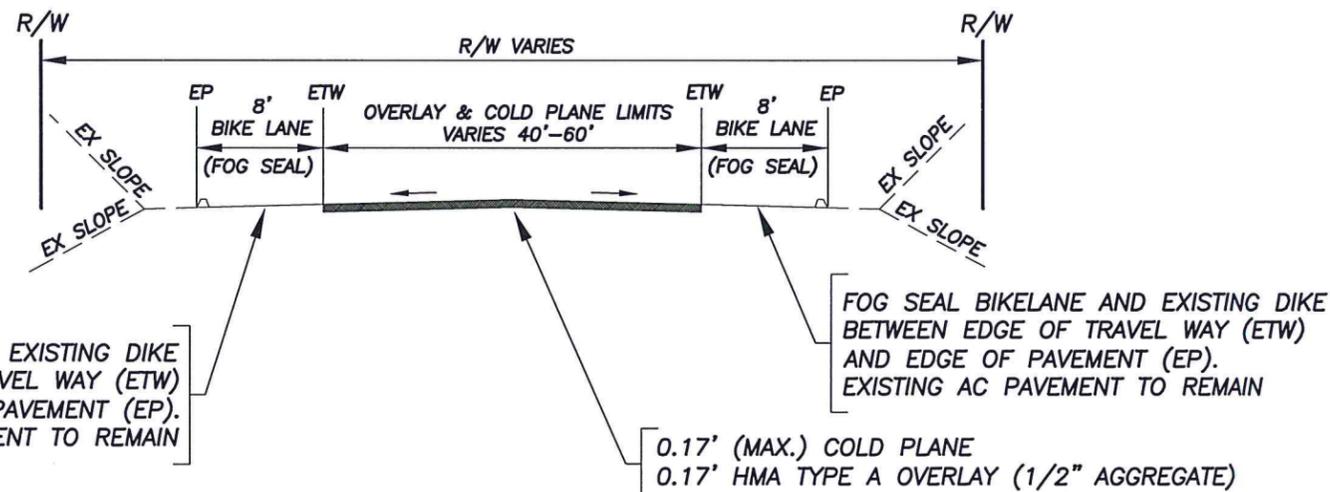
Designer	Date	Drawn By	Date	Design Engineer	Date
S JONES	2/2014	S JONES	2/2014	J. WERST	2/2014



**FOUND MONUMENTS**

No.	Station	Offset	Description	Reference
①	24+10	0	2" BRASS DISC IN MONUMENT WELL	COUNTY ROAD PLAN 254670
②	45+44	0	2" BRASS DISC IN MONUMENT WELL	COUNTY ROAD PLAN 254670
③	64+15	0	2" BRASS DISC IN MONUMENT WELL	COUNTY ROAD PLAN 254670
④	76+50	0	2" BRASS DISC IN MONUMENT WELL	COUNTY ROAD PLAN 254670

ROAD MONUMENTS TO BE PROTECTED, REPLACED, OR ADJUSTED TO FINISH GRADE



FOG SEAL BIKELANE AND EXISTING DIKE BETWEEN EDGE OF TRAVEL WAY (ETW) AND EDGE OF PAVEMENT (EP). EXISTING AC PAVEMENT TO REMAIN

FOG SEAL BIKELANE AND EXISTING DIKE BETWEEN EDGE OF TRAVEL WAY (ETW) AND EDGE OF PAVEMENT (EP). EXISTING AC PAVEMENT TO REMAIN

**CONSTRUCTION AREA SIGNS LEGEND**

No.	Type	Size	Sign Message	Remarks
①	W20-1	48"x48"	"ROAD WORK AHEAD"	
②	G20-2	48"x18"	"END ROAD WORK"	
③	PCMS		AS DIRECTED BY ENGINEER	PORTABLE CHANGEABLE MESSAGE SIGN

1.) 48"x48" SIGNS SHALL BE STATIONARY MOUNTED ON 4x6 WOOD POSTS.  
48"x18" SIGNS SHALL BE STATIONARY MOUNTED ON 4x4 WOOD POSTS.

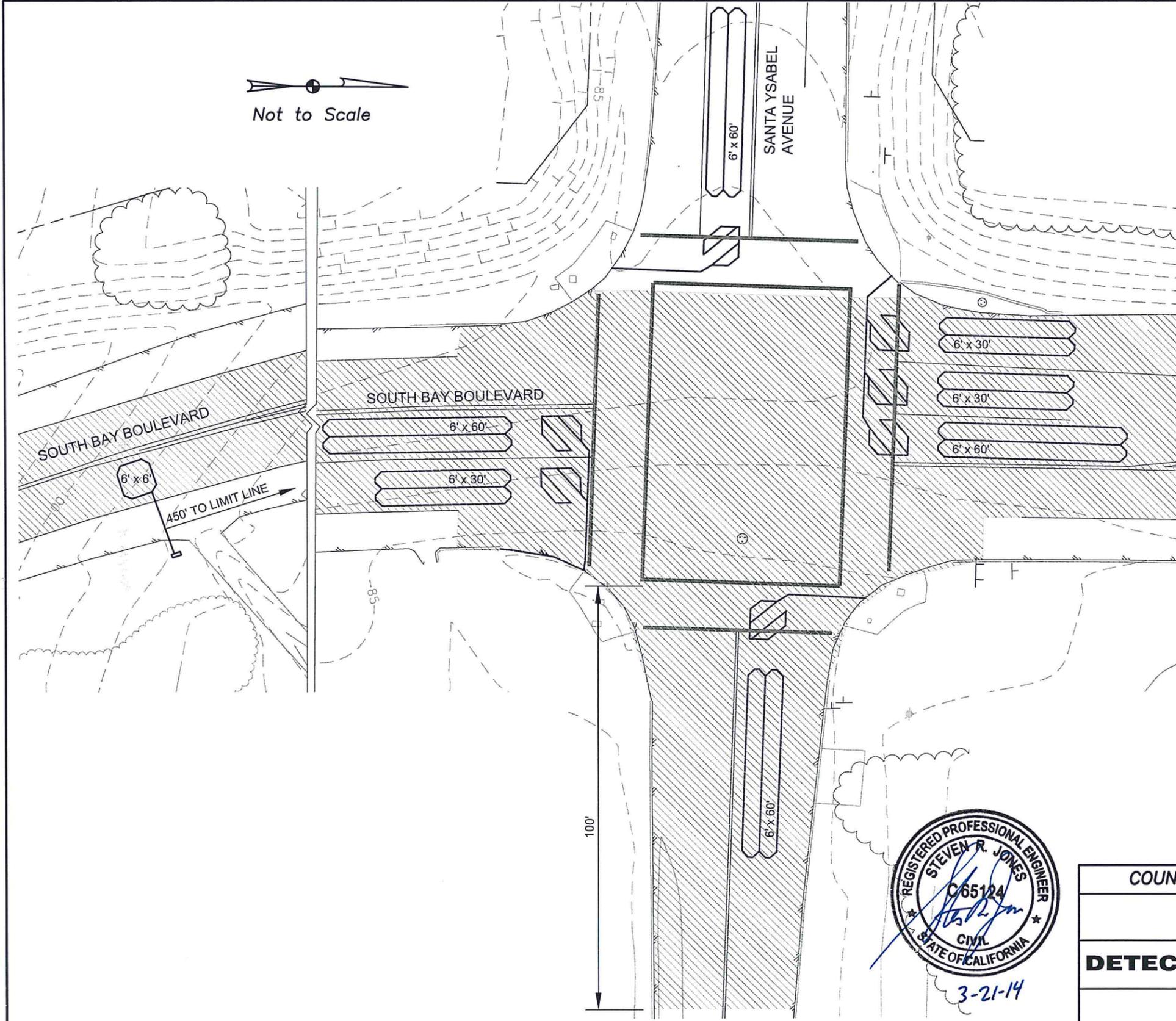
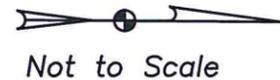
2.) ALL CONSTRUCTION SIGNS SHALL BE PLACED APPROXIMATELY 4' OFF THE EDGE OF ROADWAY, 7' MIN. HEIGHT, THE EXACT LOCATION AND POSITION OF SIGNS SHALL BE DETERMINED BY THE ENGINEER.

**SECTION - SOUTH BAY BOULEVARD**  
NOT TO SCALE



3-21-14

COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PUBLIC WORKS					
2013-14 ASPHALT OVERLAY					
CONTRACT NO. 300504					
SITE PLAN - SOUTH BAY BOULEVARD					
LOVR TO SANTA YSABEL AVENUE					
SAN LUIS OBISPO COUNTY					
Designer	Date	Drawn By	Date	Design Engineer	Date
S JONES	2/2014	S JONES	2/2014	J. WERST	2/2014



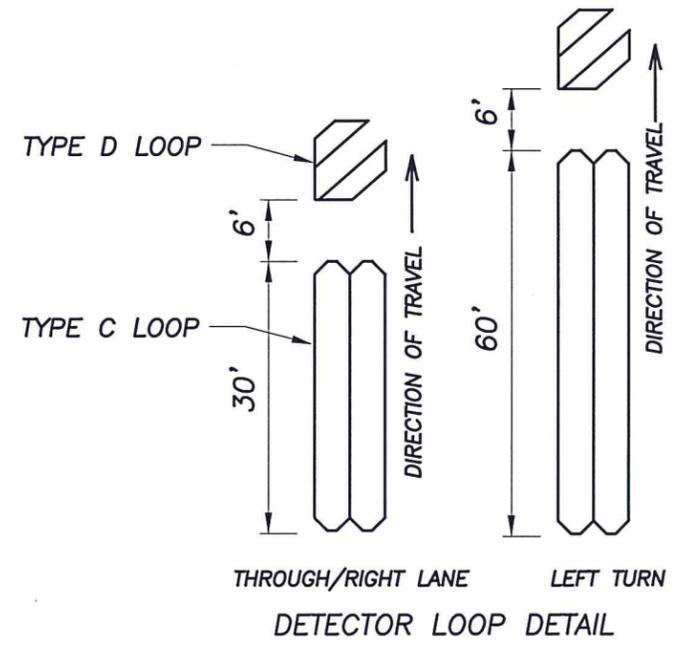
**GENERAL NOTES:**

- 1.) EXISTING STRIPES AND PAVEMENT MARKINGS TO BE REPLACED. CONTRACTOR TO TIE OUT BEFORE REMOVING ROADWAY SURFACE. STRIPING BY OTHERS (COUNTY CREW).
- 2.) EXISTING UTILITY, VALVES COVERS, RISERS, TRAFFIC LIGHTS, VAULTS, AND MANHOLES (PROTECT IN PLACE).

**LEGEND:**

HATCH REPRESENTS LIMITS OF COLD PLANE AND AC OVERLAY (0.17") (1/2" HMA)

REPLACE EXISTING DETECTOR LOOPS WITH TYPE C&D LOOP AND TYPE 2 CONDUCTOR WIRE PER CALTRANS STD. DWG ES-5A,5B. PLACE UNDER FINAL HMA LIFT.



COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PUBLIC WORKS  
 2013-14 ASPHALT OVERLAY  
 CONTRACT NO. 300504

**DETECTOR LOOPS - SANTA YSABEL AVENUE**

SAN LUIS OBISPO COUNTY

Designer	Date	Drawn By	Date	Design Engineer	Date
S JONES	2/2014	S JONES	2/2014	J. WERST	2/2014

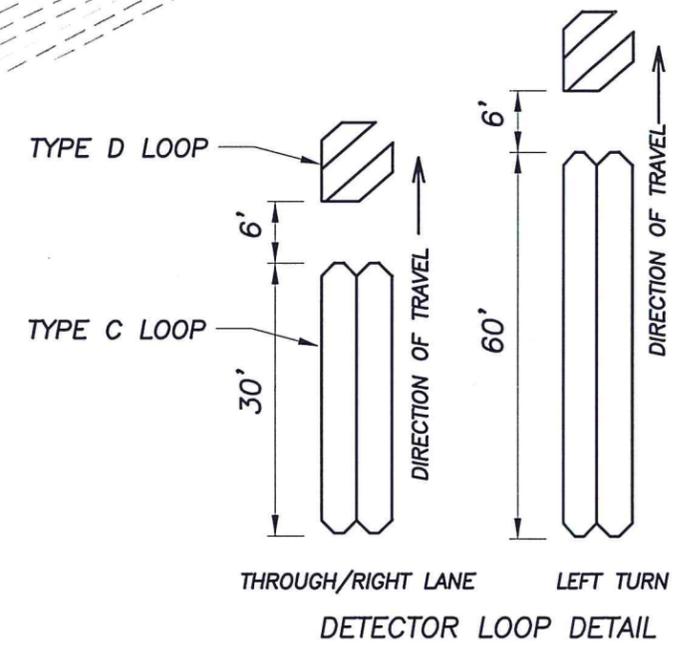
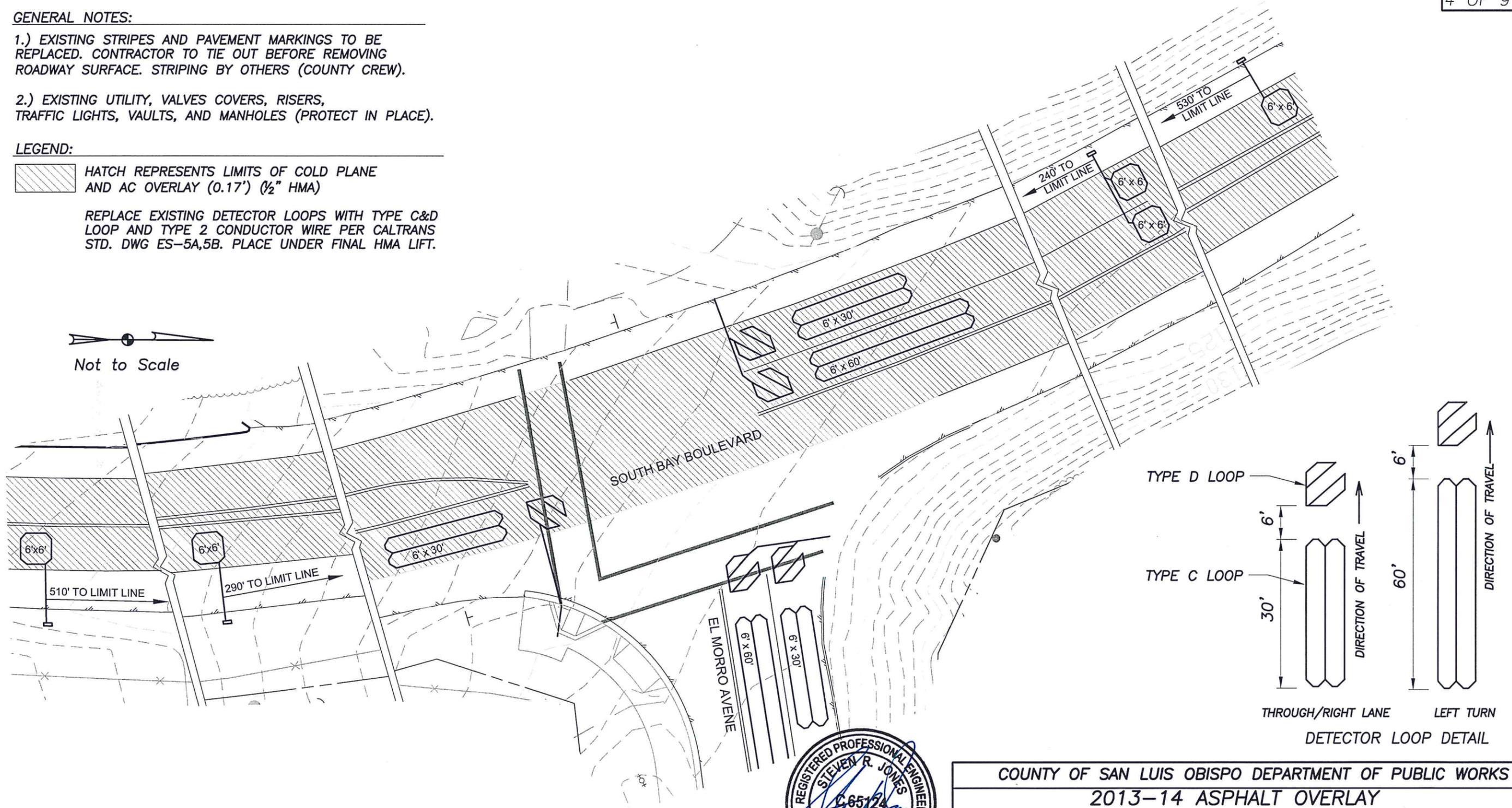
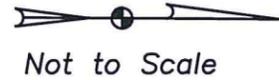
**GENERAL NOTES:**

- 1.) EXISTING STRIPES AND PAVEMENT MARKINGS TO BE REPLACED. CONTRACTOR TO TIE OUT BEFORE REMOVING ROADWAY SURFACE. STRIPING BY OTHERS (COUNTY CREW).
- 2.) EXISTING UTILITY, VALVES COVERS, RISERS, TRAFFIC LIGHTS, VAULTS, AND MANHOLES (PROTECT IN PLACE).

**LEGEND:**

 HATCH REPRESENTS LIMITS OF COLD PLANE AND AC OVERLAY (0.17") (1/2" HMA)

REPLACE EXISTING DETECTOR LOOPS WITH TYPE C&D LOOP AND TYPE 2 CONDUCTOR WIRE PER CALTRANS STD. DWG ES-5A,5B. PLACE UNDER FINAL HMA LIFT.



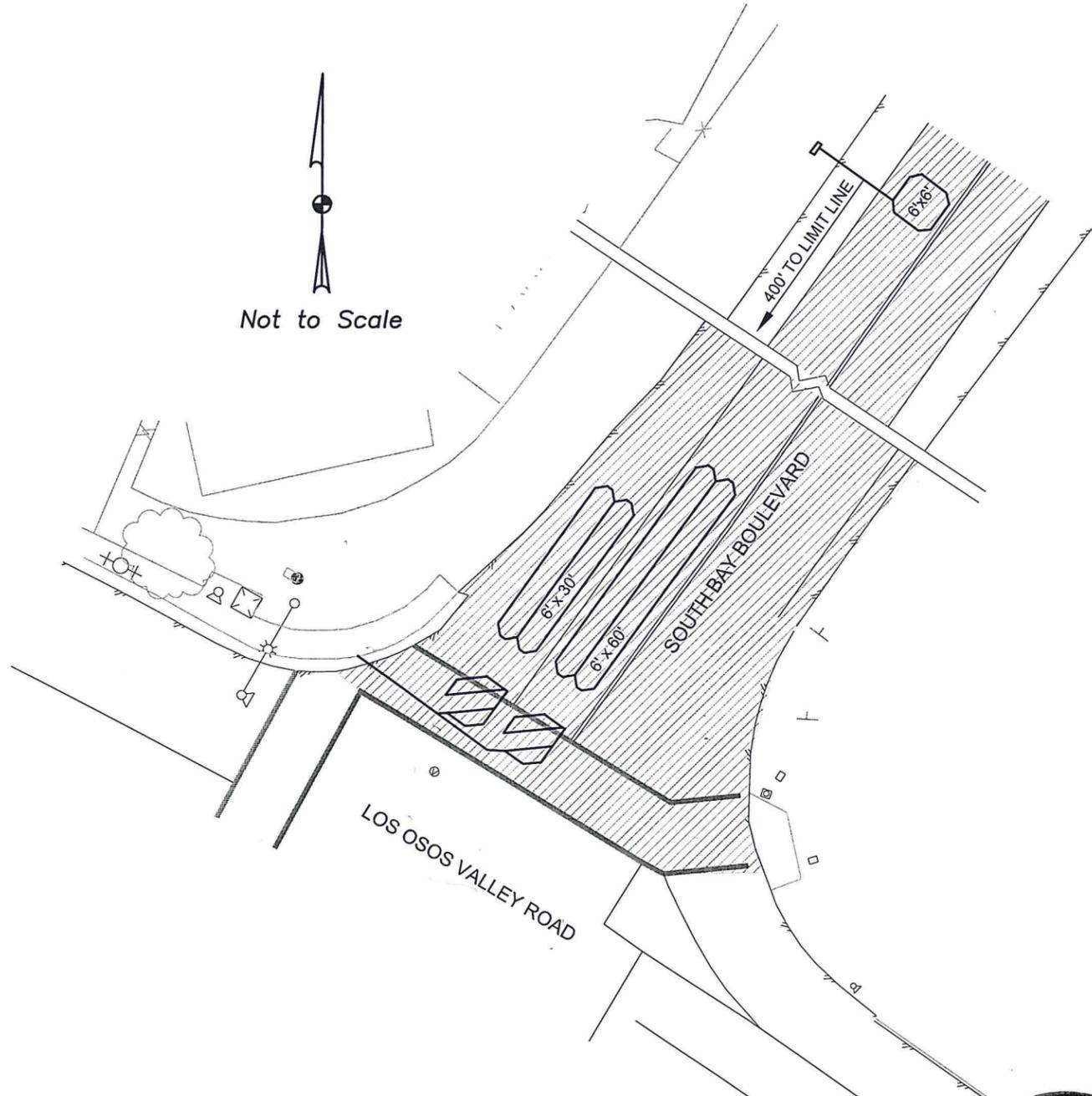
3-21-14

COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PUBLIC WORKS  
 2013-14 ASPHALT OVERLAY  
 CONTRACT NO. 300504

**DETECTOR LOOPS - EL MORRO AVENUE**

SAN LUIS OBISPO COUNTY

Designer	Date	Drawn By	Date	Design Engineer	Date
S JONES	2/2014	S JONES	2/2014	J. WERST	2/2014



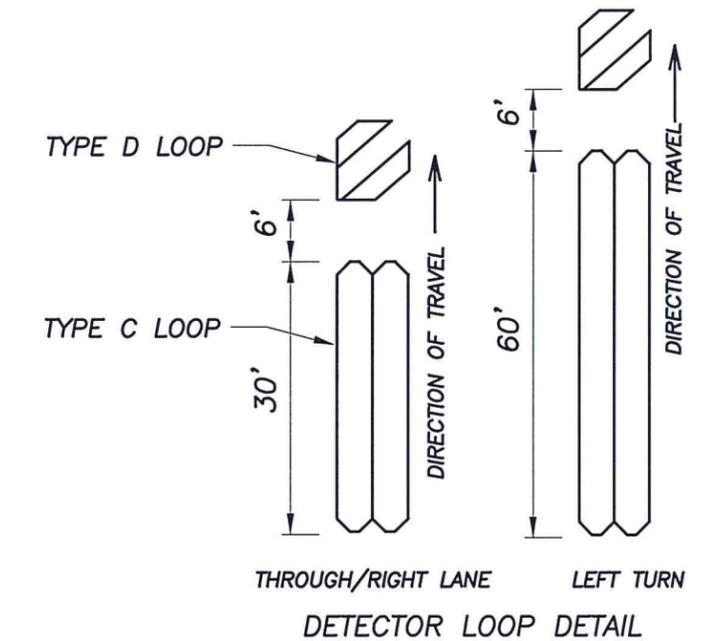
**GENERAL NOTES:**

- 1.) EXISTING STRIPES AND PAVEMENT MARKINGS TO BE REPLACED. CONTRACTOR TO TIE OUT BEFORE REMOVING ROADWAY SURFACE. STRIPING BY OTHERS (COUNTY CREW).
- 2.) EXISTING UTILITY, VALVES COVERS, RISERS, TRAFFIC LIGHTS, VAULTS, AND MANHOLES (PROTECT IN PLACE).

**LEGEND:**

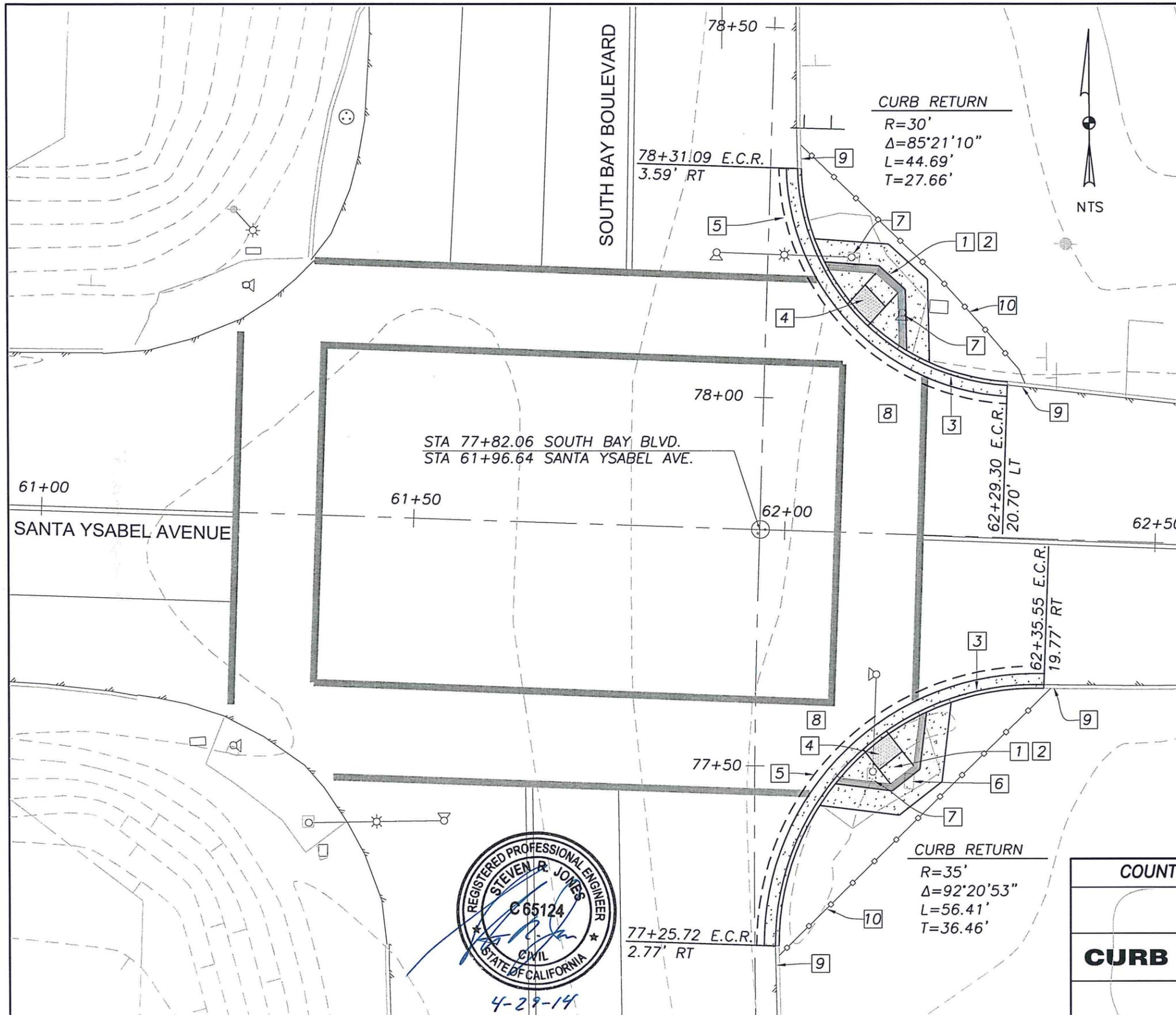
HATCH REPRESENTS LIMITS OF COLD PLANE AND AC OVERLAY (0.17') (1/2" HMA)

REPLACE EXISTING DETECTOR LOOPS WITH TYPE C&D LOOP AND TYPE 2 CONDUCTOR WIRE PER CALTRANS STD. DWG ES-5A,5B. PLACE UNDER FINAL HMA LIFT.



3-21-14

COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PUBLIC WORKS					
2013-14 ASPHALT OVERLAY					
CONTRACT NO. 300504					
<b>DETECTOR LOOPS - LOS OSOS VALLEY ROAD</b>					
SAN LUIS OBISPO COUNTY					
Designer	Date	Drawn By	Date	Design Engineer	Date
S JONES	2/2014	S JONES	2/2014	J. WERST	2/2014



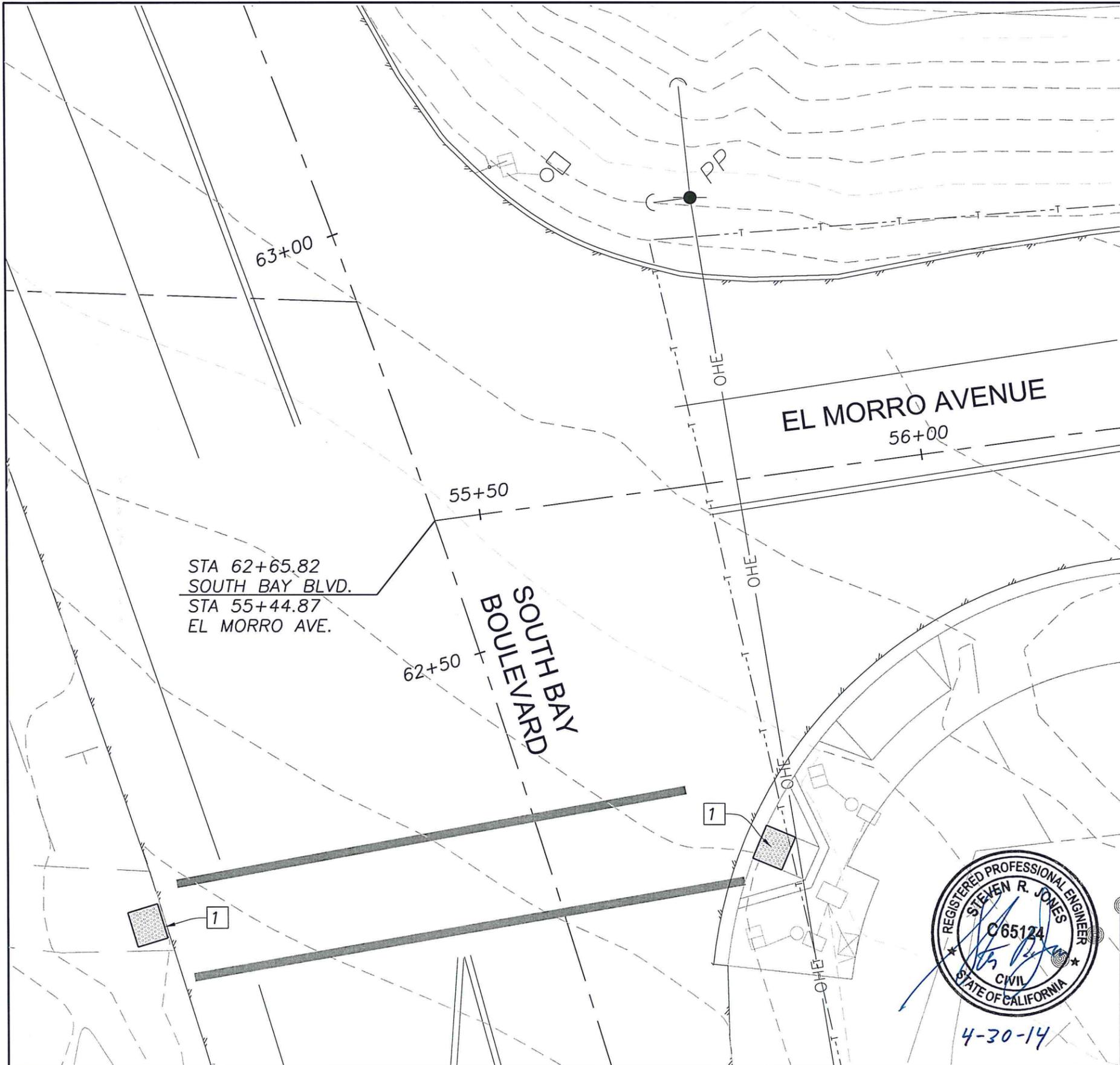
LEGEND:

-  LIMITS OF MINOR CONCRETE WORK
- 1 REMOVE AND REPLACE EXISTING ASPHALT CONCRETE CURB RAMP
- 2 CONSTRUCT PCC CURB RAMP PER CAL TRANS STANDARD PLAN A88A, CASE A, DETAIL B. AND SLO COUNTY STANDARD DRAWING C-5. CONSTRUCT RETAINING CURB AT TOP OF LANDING AS NEEDED.
- 3 CONSTRUCT PCC CURB AND GUTTER PER SLO COUNTY STANDARD DRAWING C-2, AND C-4.
- 4 INSTALL RAISED TRUNCATED DOME DETECTABLE WARNING SURFACE PER CAL TRANS STANDARD DRAWING A88A
- 5 SAWCUT AND REMOVE EXISTING PAVEMENT 1' WIDE REPLACE WITH HMA TYPE A.
- 6 ADJUST EXISTING SIGNAL BOXES TO FINISH GRADE, OR REPLACE AS DETERMINED BY ENGINEER.
- 7 EXISTING SIGNAL POLES TO REMAIN
- 8 STRIPING BY OTHERS
- 9 REMOVE AND REPLACE 3' OF EXISTING HMA DIKE TO CONFORM TO NEW PCC CURB. (INCLUDED IN PAYMENT FOR MINOR CONCRETE)
- 10 INSTALL TEMPORARY ORANGE FENCING (TYPE ESA) AS DIRECTED BY COUNTY STAFF.



4-29-14

COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PUBLIC WORKS					
2013-14 ASPHALT OVERLAY					
CONTRACT NO. 300504					
<b>CURB RAMPS - SANTA YSABEL AVENUE</b>					
SAN LUIS OBISPO COUNTY					
Designer	Date	Drawn By	Date	Design Engineer	Date
S JONES	2/2014	S JONES	2/2014	J. WERST	2/2014



LEGEND:

- 1 INSTALL RAISED TRUNCATED DOME DETECTABLE WARNING SURFACE PER CAL TRANS STANDARD DRAWING A88A



STA 62+65.82  
SOUTH BAY BLVD.  
STA 55+44.87  
EL MORRO AVE.

SOUTH BAY  
BOULEVARD

EL MORRO AVENUE

56+00

55+50

62+50

63+00

OHE

OHE

OHE

OHE

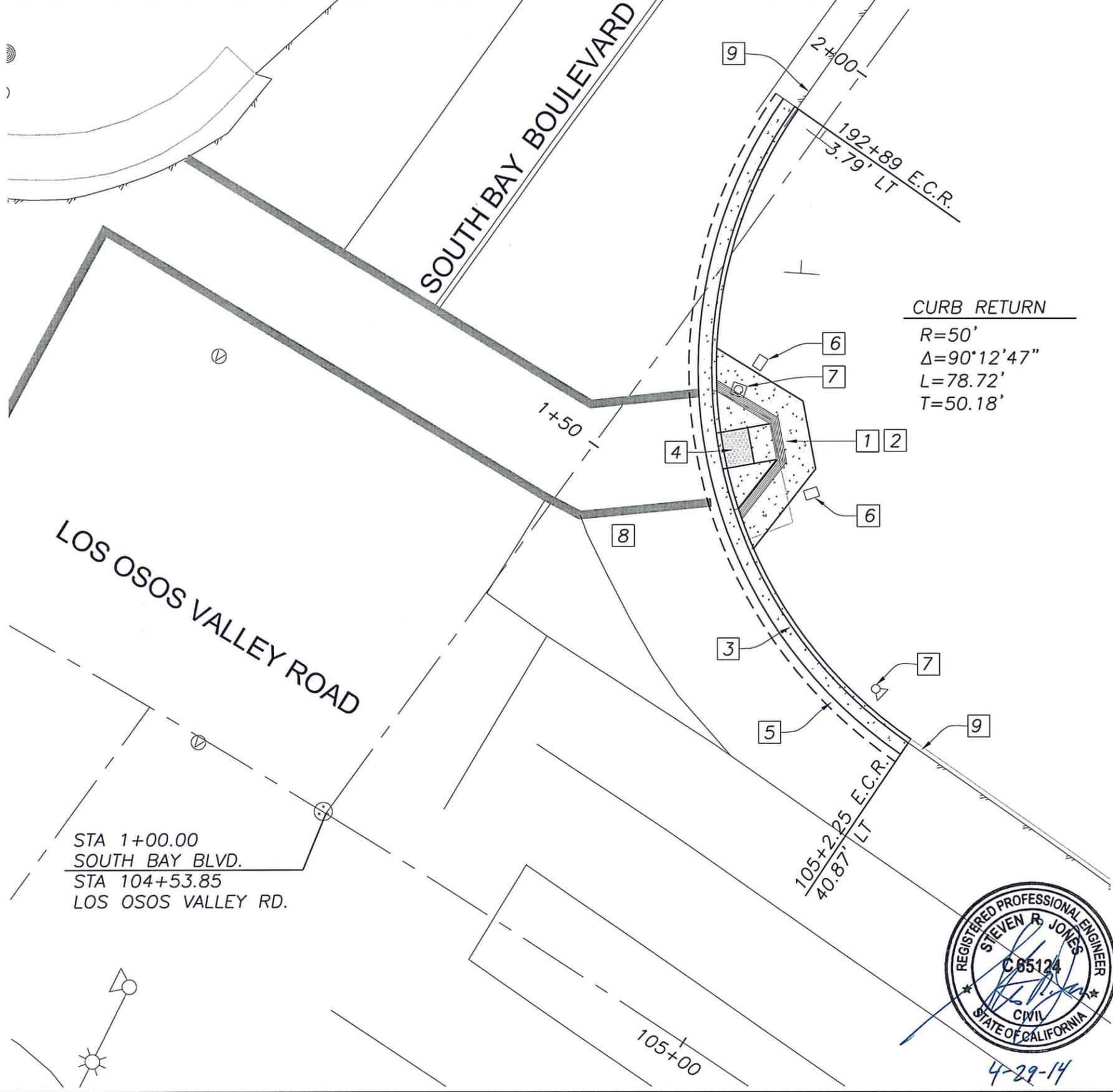
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1



4-30-14

COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PUBLIC WORKS					
2013-14 ASPHALT OVERLAY					
CONTRACT NO. 300504					
<b>CURB RAMPS - EL MORRO AVENUE</b>					
SAN LUIS OBISPO COUNTY					
Designer	Date	Drawn By	Date	Design Engineer	Date
S JONES	2/2014	S JONES	2/2014	J. WERST	2/2014



LEGEND:

-  LIMITS OF MINOR CONCRETE WORK
- 1 REMOVE AND REPLACE EXISTING ASPHALT CONCRETE CURB RAMP
- 2 CONSTRUCT PCC CURB RAMP PER CAL TRANS STANDARD PLAN A88A, CASE A, DETAIL B. AND SLO COUNTY STANDARD DRAWING C-5.
- 3 CONSTRUCT PCC CURB AND GUTTER PER SLO COUNTY STANDARD DRAWING C-2, AND C-4.
- 4 INSTALL RAISED TRUNCATED DOME DETECTABLE WARNING SURFACE PER CAL TRANS STANDARD DRAWING A88A
- 5 SAWCUT AND REMOVE EXISTING PAVEMENT 1' WIDE REPLACE WITH HMA TYPE A.
- 6 ADJUST EXISTING SIGNAL BOXES TO FINISH GRADE, OR REPLACE AS DETERMINED BY ENGINEER.
- 7 EXISTING SIGNAL POLES TO REMAIN
- 8 STRIPING BY OTHERS
- 9 REMOVE AND REPLACE 3' OF EXISTING HMA DIKE TO CONFORM TO NEW PCC CURB. (INCLUDED IN PAYMENT FOR MINOR CONCRETE)

CURB RETURN

$R=50'$   
 $\Delta=90^{\circ}12'47''$   
 $L=78.72'$   
 $T=50.18'$

STA 1+00.00  
 SOUTH BAY BLVD.  
 STA 104+53.85  
 LOS OSOS VALLEY RD.



4-29-14

COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PUBLIC WORKS					
2013-14 ASPHALT OVERLAY					
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<b>CURB RAMPS - LOS OSOS VALLEY ROAD</b>					
SAN LUIS OBISPO COUNTY					
Designer	Date	Drawn By	Date	Design Engineer	Date
S JONES	2/2014	S JONES	2/2014	J. WERST	2/2014

PORTABLE CHANGEABLE MESSAGE SIGN	
LOCATION	QUANTITY
SOUTH BAY BOULEVARD, SOUTHBOUND LANE	1
LOS OSOS VALLEY ROAD, EASTBOUND LANE	1
LOS OSOS VALLEY ROAD, WESTBOUND LANE	1
<b>TOTAL</b>	<b>3</b>

TEMPORARY FENCING (TYPE ESA)	
LOCATION	QUANTITY (LF)
SANTA YSABEL AVENUE AND SOUTH BAY BOULEVARD (PROTECT EXISTING ICE PLANT AT RETURNS)	100
<b>TOTAL</b>	<b>100</b>

MINOR CONCRETE CURB AND GUTTER		
DESCRIPTION	LOCATION	LENGTH (LF)
CURB AND GUTTER	RETURNS AT SANTA YSABEL AVENUE	115
CURB AND GUTTER	NE RETURN AT EL MORRO AVENUE	32
CURB AND GUTTER	NE RETURN AT LOS OSOS VALLEY ROAD	79

COLD PLANE ASPHALT CONCRETE PAVEMENT (0.17' MAX)				
LOCATION	LENGTH (LF)	WIDTH (LF)	AREA (SY)	ROUNDED AREA (SY)
FULL LANE WIDTH BETWEEN EDGE OF TRAVELED WAY (ETW/FOGLINE) FROM LOVR TO SOUTH BAY BOULEVARD	7800	29.42 (AVG)	25,497	25,500
SANTA YSABEL AVENUE, ROADWAY, INTERSECTION AND CURB RETURNS	150	50	750	750
LOS OSOS VALLEY ROAD INTERSECTION AND CURB RETURNS	80	50	444	450
<b>TOTAL</b>			<b>26,691</b>	<b>26,700</b>

TRUNCATED DOME MAT		
DESCRIPTION	LOCATION	QUANTITY (EA)
TRUNCATED DOME MAT	RETURNS AT SANTA YSABEL AVENUE	2
TRUNCATED DOME MAT	SE RETURN, AND WEST PATH AT EL MORRO AVENUE	2
TRUNCATED DOME MAT	NE RETURN AT LOS OSOS VALLEY ROAD	1

ASPHALTIC EMULSION (REJUVENATING SEAL COAT)						
LOCATION	LENGTH (LF)	AVG. WIDTH (LF)	AREA (SY)	THEORETICAL VOLUME (GAL)	THEORETICAL WEIGHT (TONS)	ROUNDED WEIGHT (TONS)
NORTHBOUND BIKE LANE AND DIKE	7,800	6.5	5,633	281	1.17	2.5
SOUTHBOUND BIKE LANE AND DIKE	7,800	6.5	5,633	281	1.17	2.5
<b>TOTAL</b>						<b>5</b>

DETECTOR LOOPS		
LOCATION	QUANTITY (EA)	BID ITEM
SANTA YSABEL AVENUE INTERSECTION	7	LUMP SUM
EL MORRO AVENUE INTERSECTION	8	
LOS OSOS VALLEY ROAD INTERSECTION	3	

HOT MIX ASPHALT (TYPE A)							
DESCRIPTION	LENGTH (LF)	AVG. WIDTH (LF)	AREA (SF)	LOVR AND SANTA YSABEL INTERSECTION (SF)	THICKNESS (LF)	THEORETICAL WEIGHT (TONS)	ROUNDED WEIGHT (TONS)
OVERLAY (TYPE A)	7,960	29.42	234,180	10,750	0.17	3,019	3,050

SURVEY MONUMENTS		
LOCATION	QUANTITY (EA)	DESCRIPTION
2400 FEET FROM LOVR INTERSECTION	1	MONUMENT WELL IN NORTHBOUND BIKELANE
4544 FEET FROM LOVR INTERSECTION	1	MONUMENT WELL IN SOUTHBOUND LANE NEXT TO FOG LINE / EDGE OF TRAVELED WAY (ETW)
6415 FEET FROM LOVR INTERSECTION	1	MONUMENT WELL IN SOUTHBOUND LANE NEXT TO FOG LINE / EDGE OF TRAVELED WAY (ETW)
7650 FEET FROM LOVR INTERSECTION	1	MONUMENT WELL IN NORTHBOUND LANE NEXT TO EDGE OF TRAVELED WAY (ETW)

MINOR CONCRETE CURB RAMPS		
DESCRIPTION	LOCATION	QUANTITY (EA)
CURB RAMPS	RETURNS AT SANTA YSABEL AVENUE	2
CURB RAMP	NE RETURN AT LOS OSOS VALLEY ROAD	1

DIGOUTS			
DESCRIPTION	LOCATION	AREA (SY)	WEIGHT (TON)
COLD PLANE (0.33' MAX.)	TRAVEL LANE, LOCATIONS DETERMINED BY ENGINEER	1335	
HMA (TYPE A)	TRAVEL LANE, LOCATIONS DETERMINED BY ENGINEER		287



QUANTITIES AND DIMENSIONS APPROXIMATE ONLY

COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PUBLIC WORKS					
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CONTRACT NO. 300504					
<b>QUANTITIES</b>					
SAN LUIS OBISPO COUNTY					
Designer	Date	Drawn By	Date	Design Engineer	Date
S JONES	2/2014	S JONES	2/2014	J. WERST	2/2014