

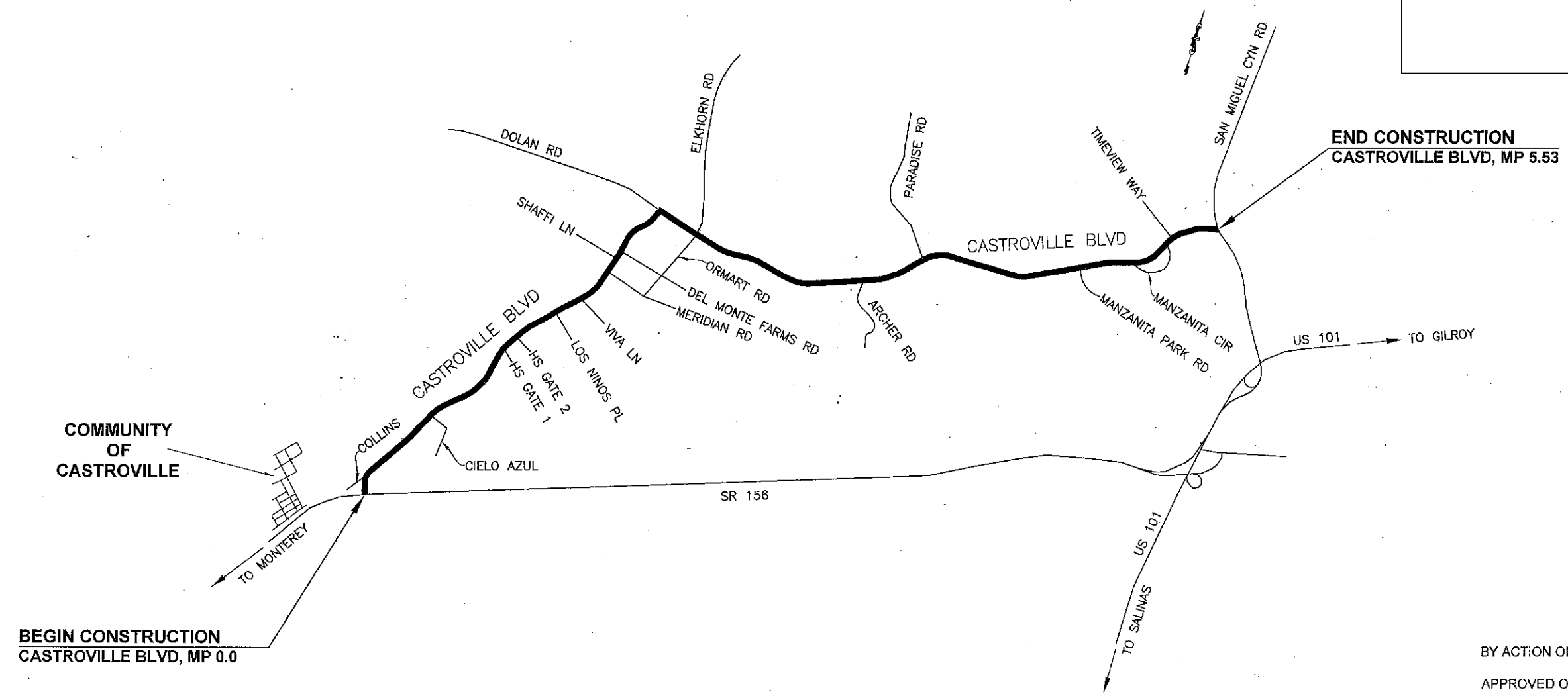
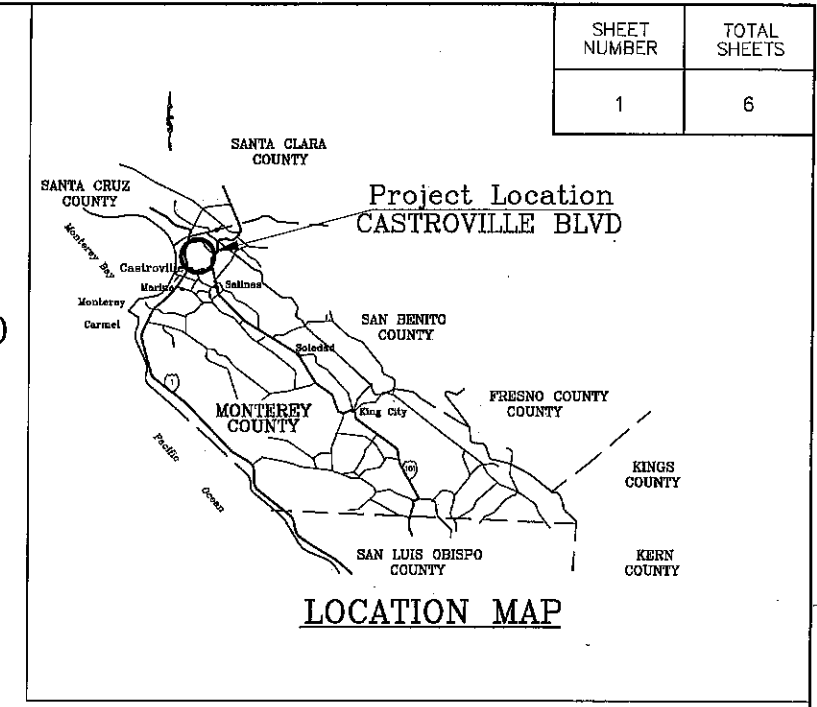
SHEET NUMBER	TOTAL SHEETS
1	6

INDEX OF SHEETS

- 1 TITLE SHEET
- 2-3 TYPICAL CROSS SECTION
- 4 CONSTRUCTION DETAILS
- 5 CONSTRUCTION AREA SIGNS
- 6 SUMMARY OF QUANTITIES

**COUNTY OF MONTEREY**  
**STATE OF CALIFORNIA**  
**DEPARTMENT OF PUBLIC WORKS**  
**PROJECT PLANS FOR CONSTRUCTION OF**  
**CASTROVILLE BOULEVARD OVERLAY**  
**NEAR COMMUNITY OF CASTROVILLE FROM STATE ROUTE 156 TO SAN MIGUEL CANYON ROAD**  
**PROJECT NO. 14-157165**

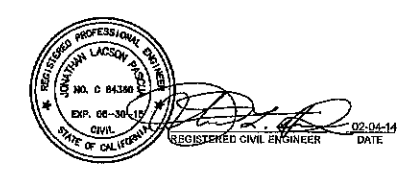
TO BE SUPPLEMENTED BY CALTRANS STANDARD SPECIFICATIONS AND STANDARD PLANS 2010 EDITION



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

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

SUBMITTED BY, JONATHAN L. PASCUA, P.E.  
 DESIGN BY, ISABELO DELA MERCED . . . . . CHKD BY, J.P.  
 DRAWN BY, FELIPE MORALES/A. DELA MERCED . . . . . CHKD BY, J.P.  
 SPECIFICATIONS WRITTEN BY, ISABELO DELA MERCED . . . . . CHKD BY, J.P.  
 APPROVAL RECOMMENDED BY, PAUL H. GREENWAY, P.E.  
 ASSISTANT DIRECTOR OF PUBLIC WORKS



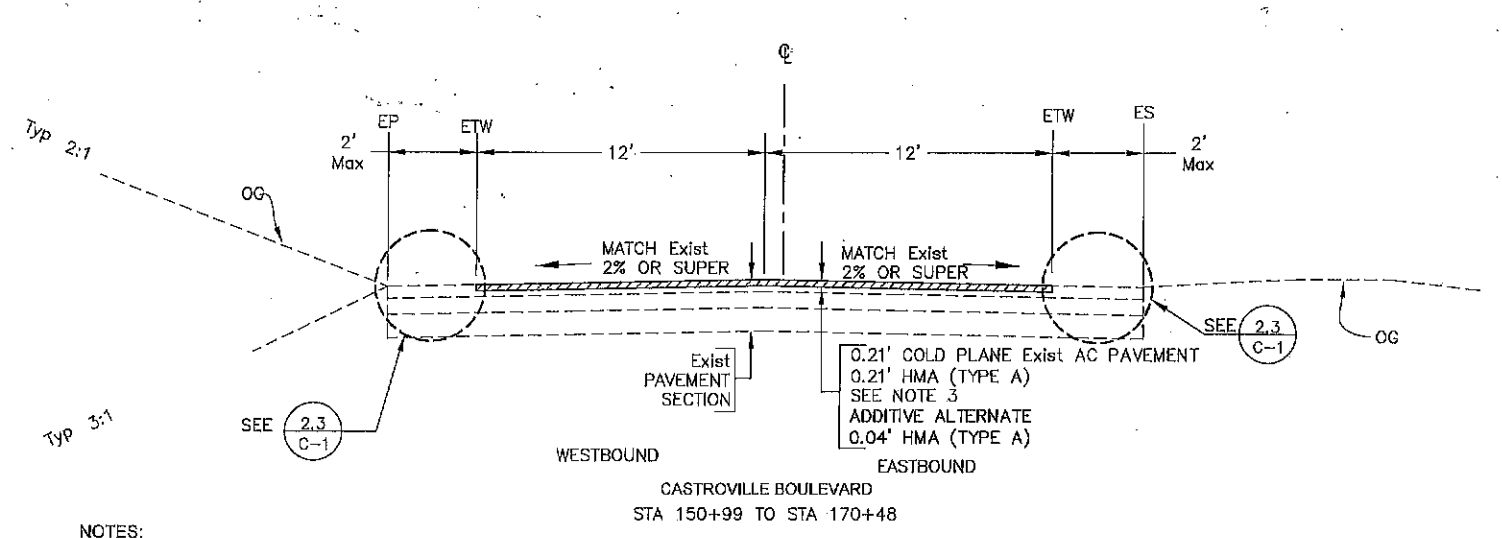
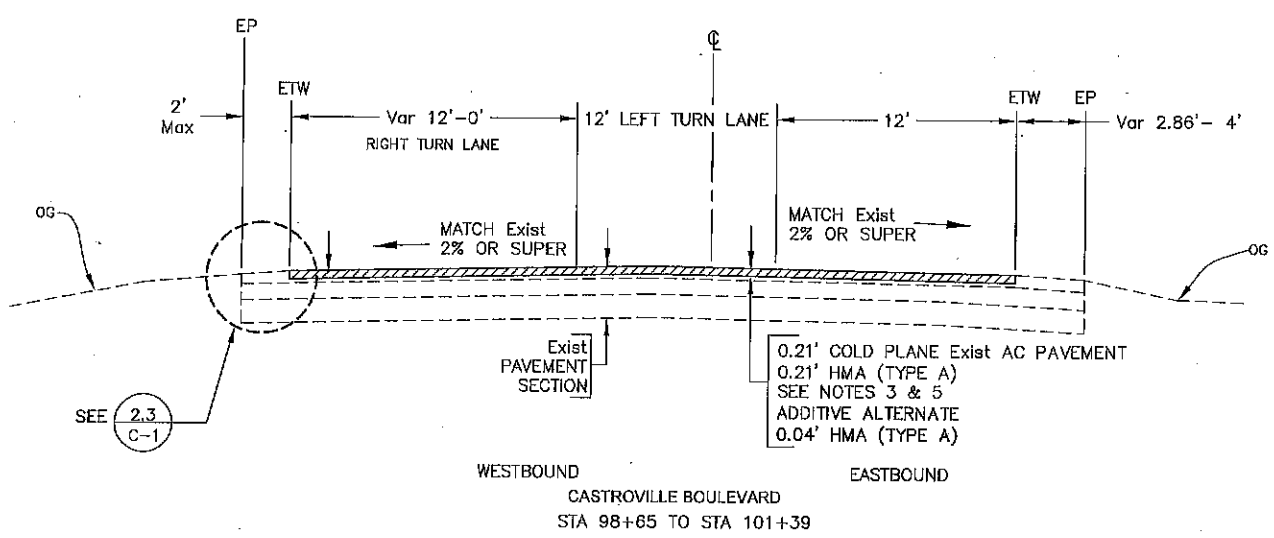
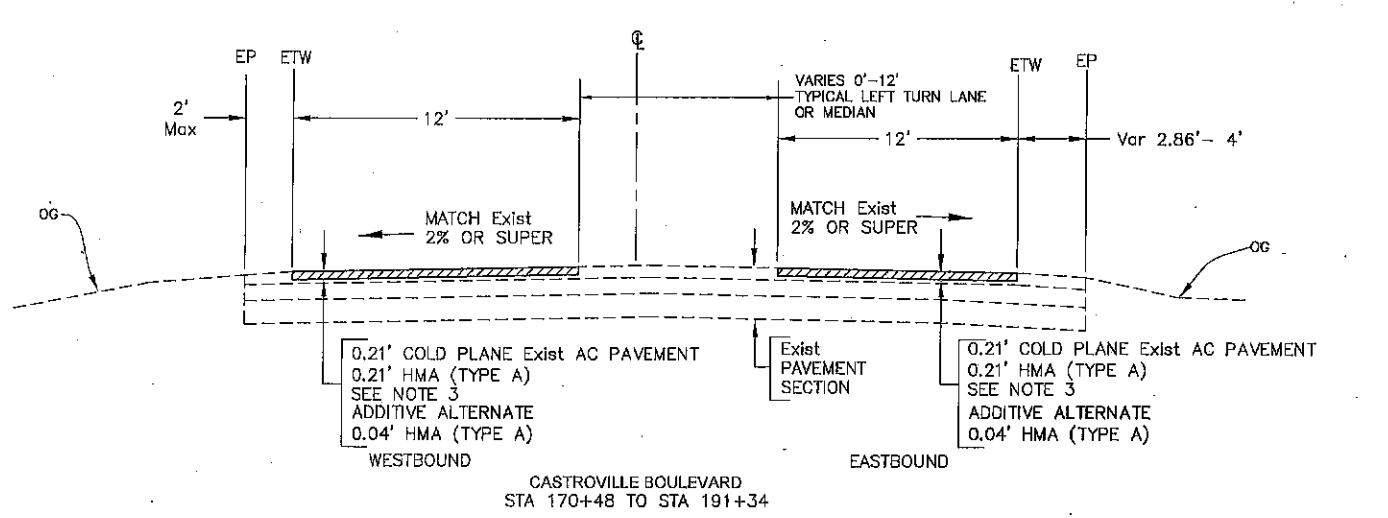
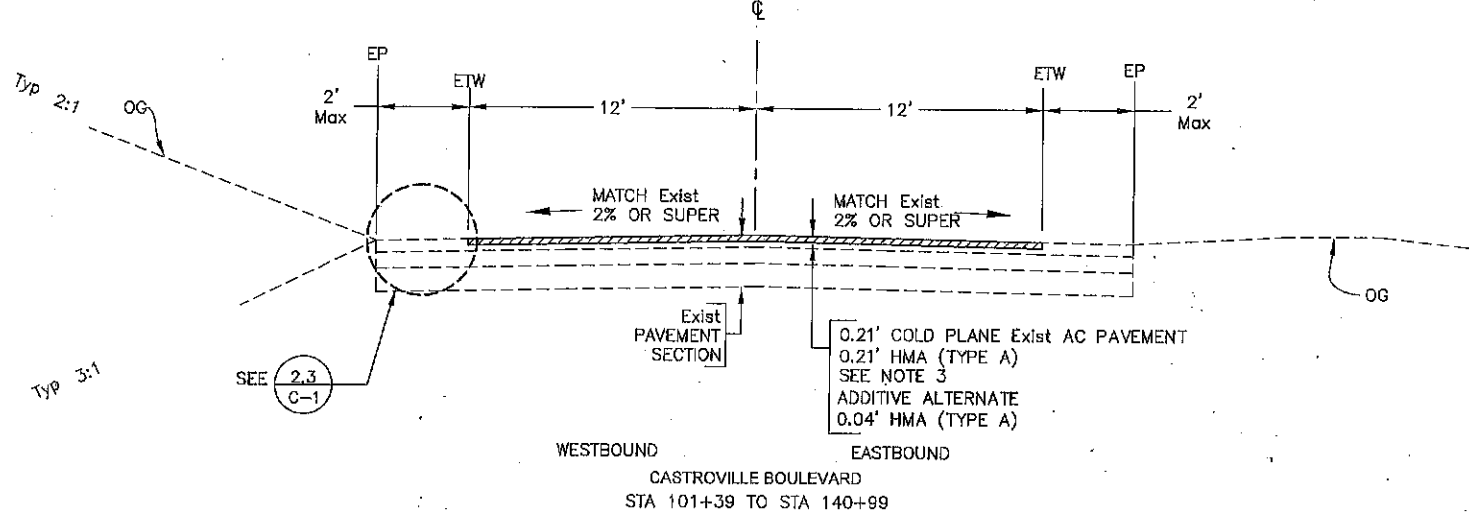
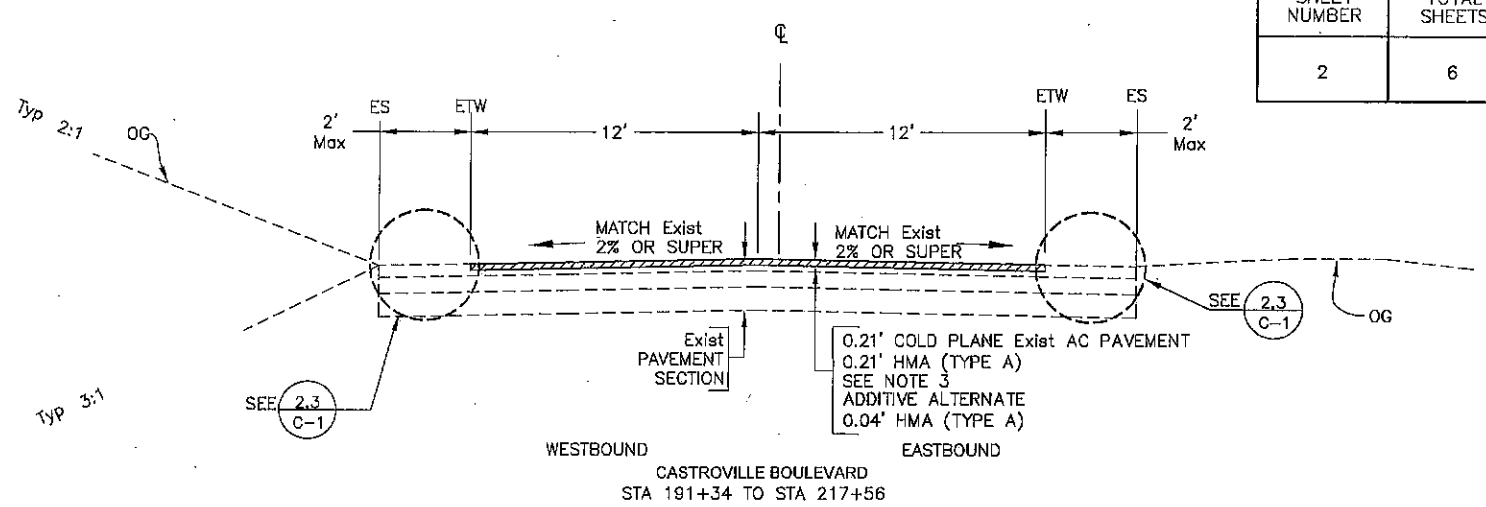
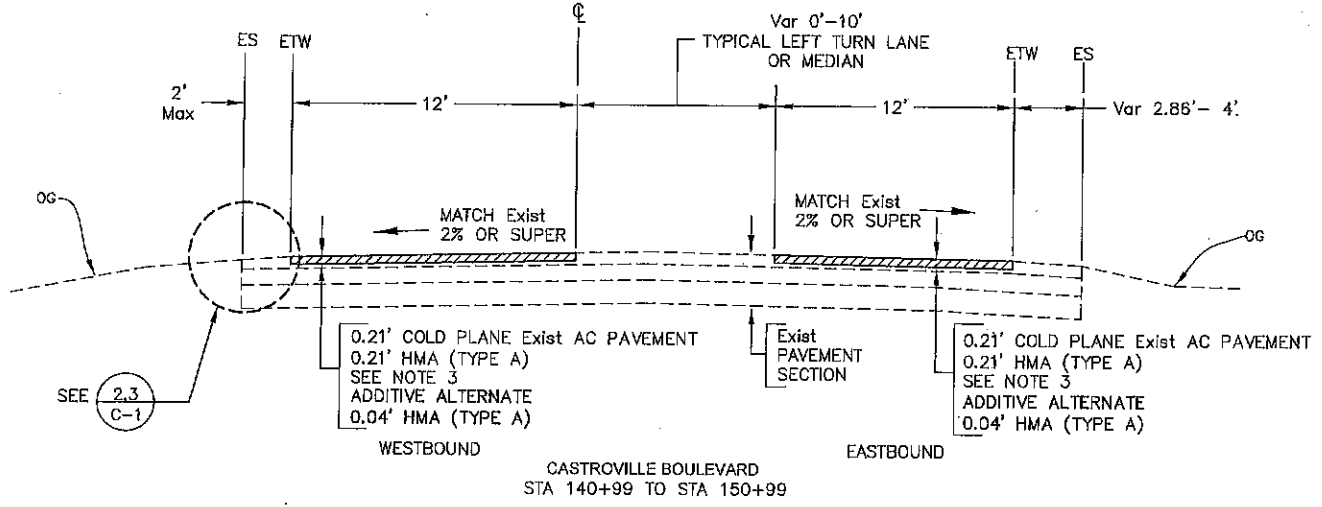
NO.	DATE	REVISION	APPROVED
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COUNTY OF MONTEREY  
 RESOURCE MANAGEMENT AGENCY  
 DEPARTMENT OF PUBLIC WORKS  
 DESIGN SECTION  
 168 WEST ALISAL STREET, 2nd FLOOR  
 SALINAS, CALIFORNIA 93901  
 (831)755-4800/FAX (831)755-4958

CASTROVILLE BOULEVARD OVERLAY PROJECT  
 CONTRACT NO. 14-157165  
**TITLE SHEET**

DATE 02/03/14	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET TS-1
SCALE NTS	VIEW TS-1	



- 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. IF ADDITIVE ALTERNATE IS AWARDED, COLD PLANE EXISTING PAVEMENT TO A DEPTH OF 0.25' PAVE HMA (TYPE A) TO A TOTAL THICKNESS OF 0.25'.
  4. FOR COLD PLANE LOCATIONS THAT EXTEND TO SHOULDER AREAS SEE SHEET Q-1
  5. BEGIN COLD PLANE OF EASTBOUND LANE AT STATION 98+65. COLD PLANE FOR WESTBOUND LEFT TURN LANE AND RIGHT TURN TRANSITION LANE BEGINS AT STATION 99+65.

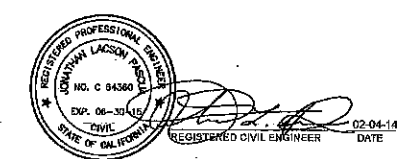
SUBMITTED BY: JONATHAN L. PASCUA, P.E.  
PROJECT MANAGER

DESIGN BY: ISABELO DELA MERCED  
PROJECT ENGINEER

DRAWN BY: FELIPE MORALES/D. 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
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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  
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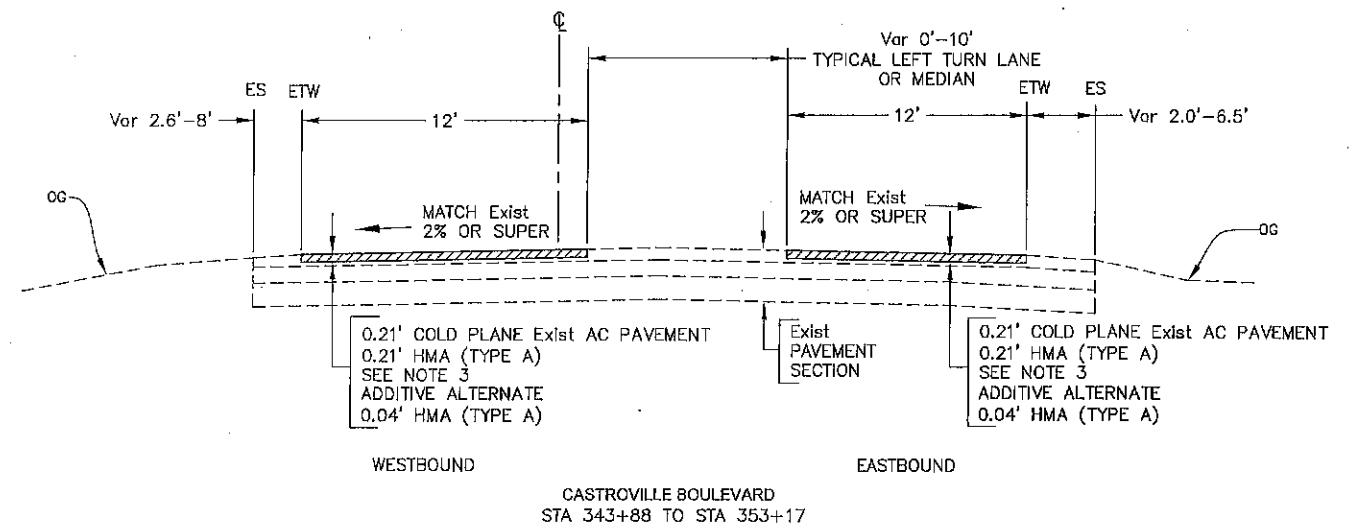
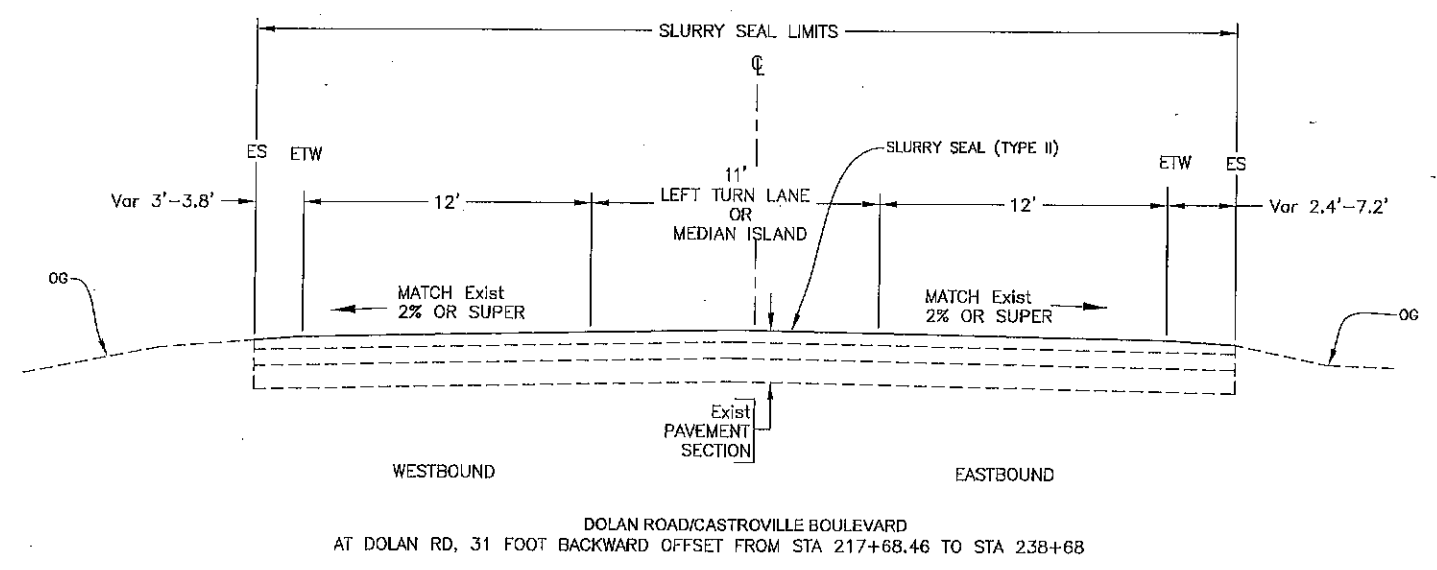
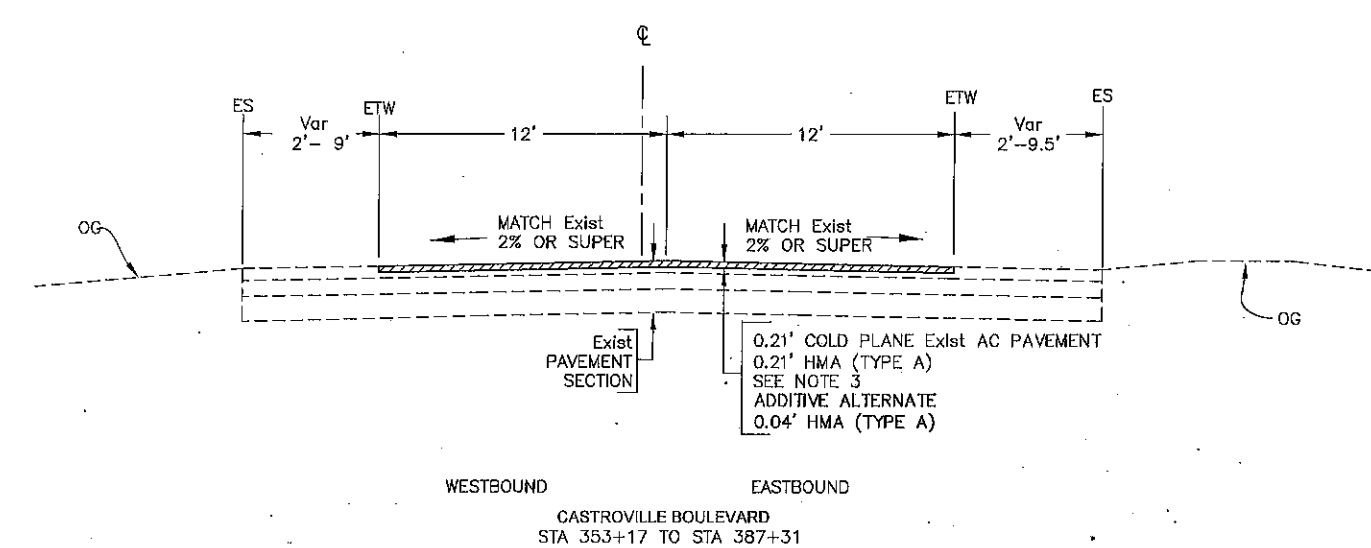
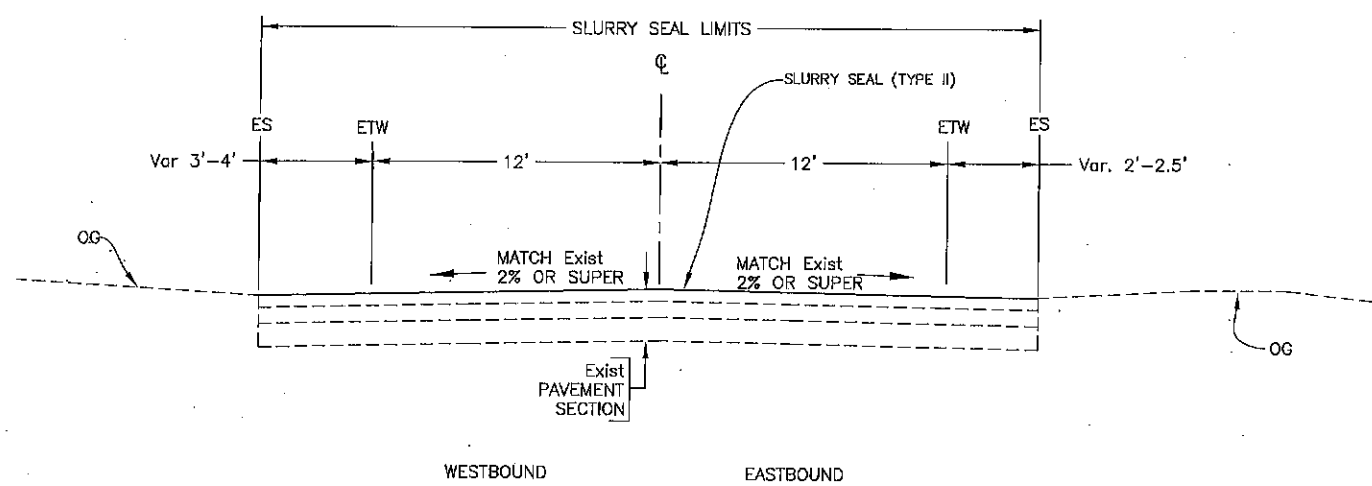
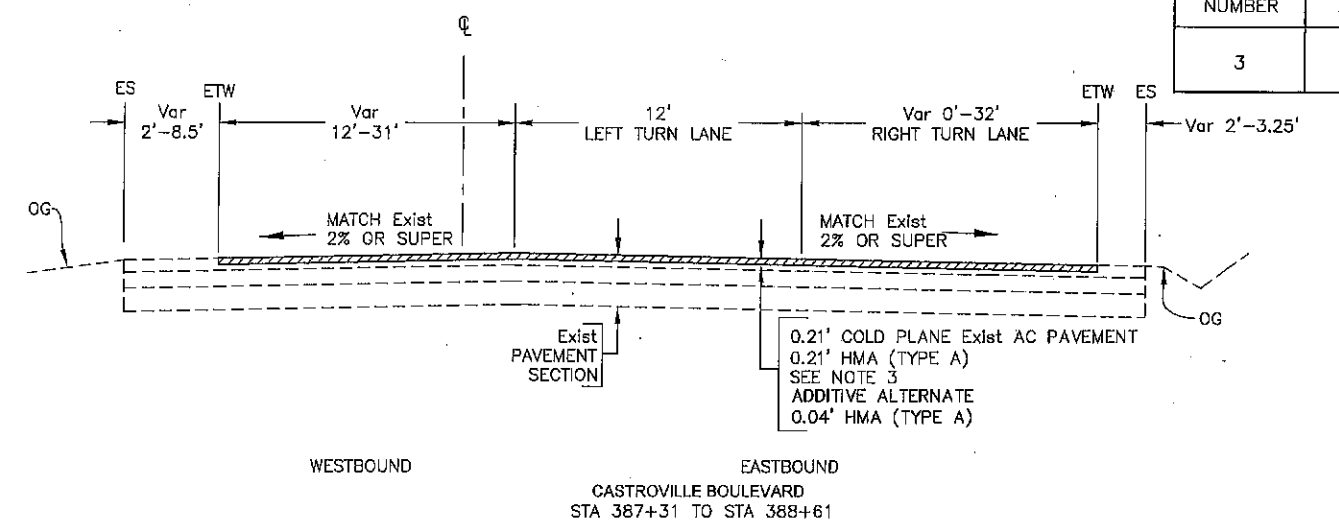
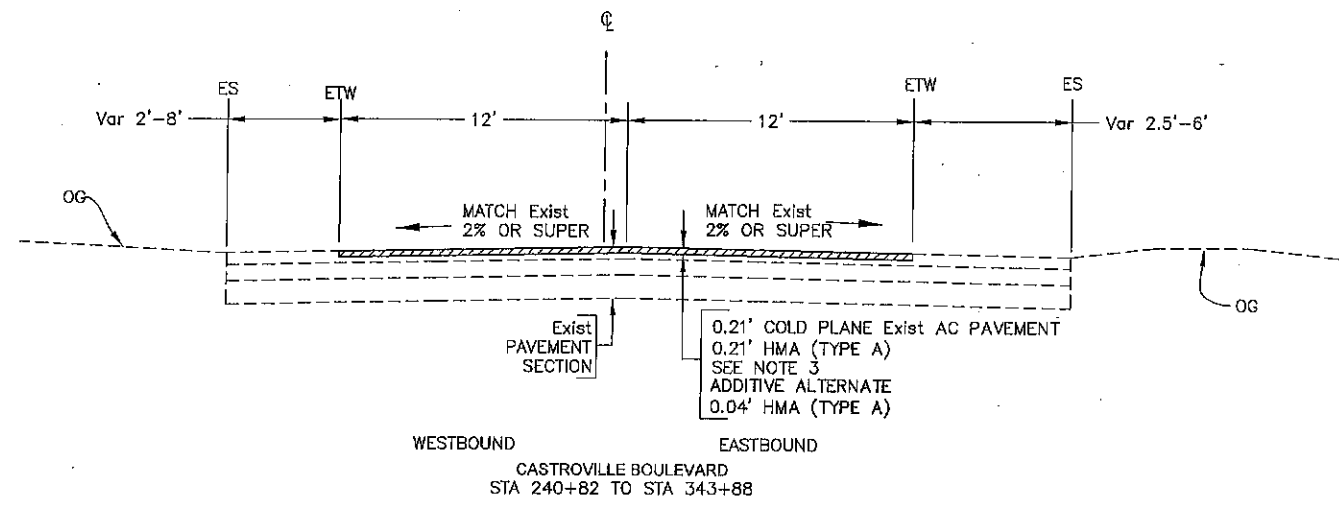
CASTROVILLE BOULEVARD  
OVERLAY PROJECT  
CONTRACT NO. 14-157165

TYPICAL CROSS SECTIONS

DATE: 02/03/14  
SCALE: NTS

RELATIVE BORDER SCALE: IN INCHES  
VIEW: X-1

SHEET: X-1



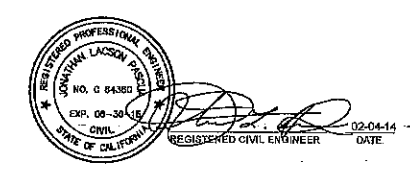
SUBMITTED BY JONATHAN L. PASCUA, P.E.  
PROJECT MANAGER

DESIGN BY ISABELO DELA MERCED PROJECT ENGINEER  
CHKD BY J.J.P.

DRAWN BY FELIPE MORALES / I DELA MERCED  
CHKD BY J.J.P.

SPECIFICATIONS WRITTEN BY ISABELO DELA MERCED  
CHKD BY J.J.P.

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



NO.	DATE	REVISION	APPROVED
▲			
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▲			
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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

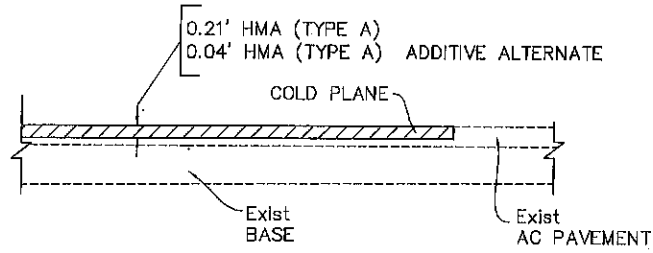
CASTROVILLE BOULEVARD  
OVERLAY PROJECT  
CONTRACT NO. 14-157165

TYPICAL CROSS SECTION

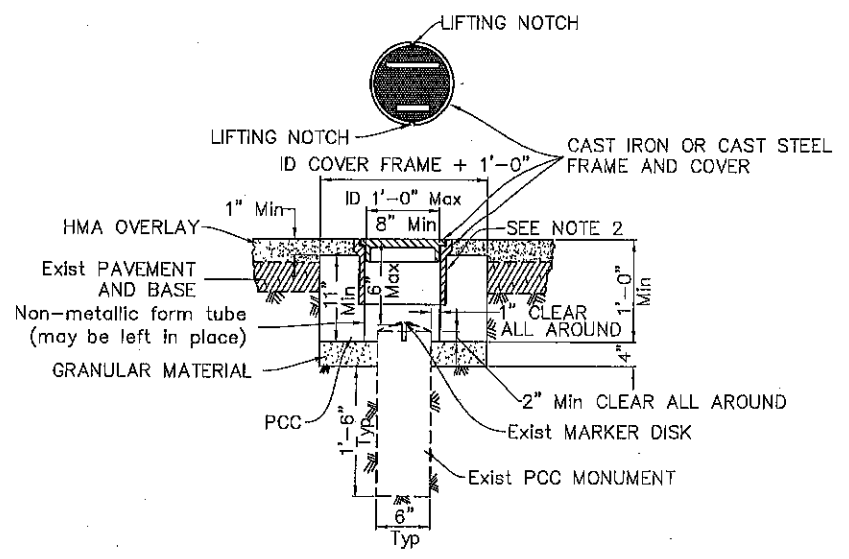
DATE: 02/03/14  
SCALE: NTS

RELATIVE BORDER SCALE: IN INCHES  
0 1 2 3

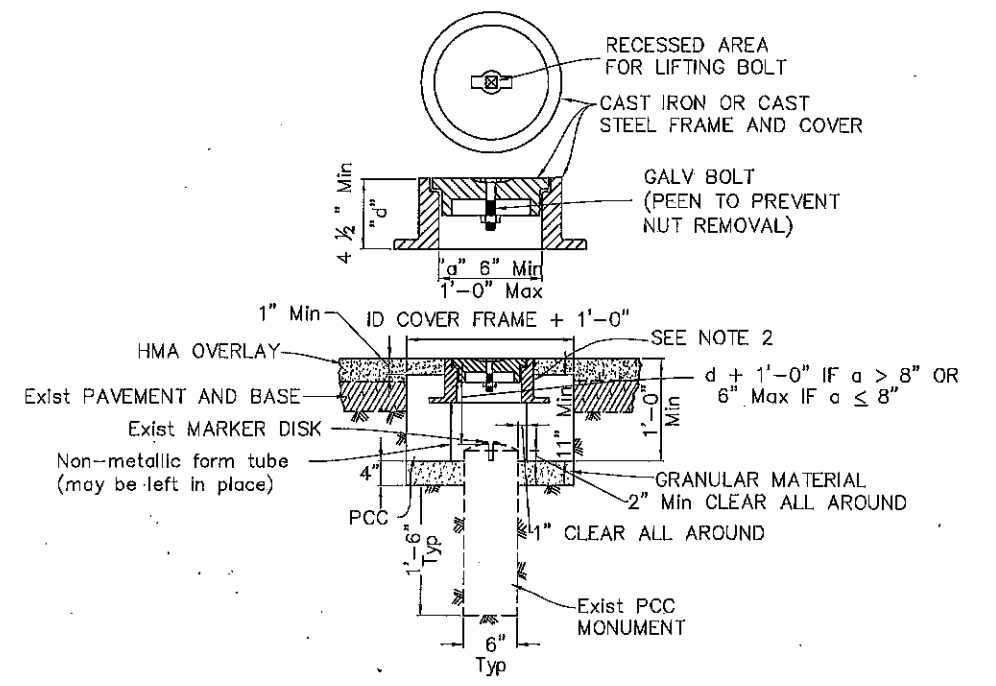
SHEET: X-2



**DETAIL 1**  
TYPICAL CROSS STREETS AND TRANSVERSE CONFORM

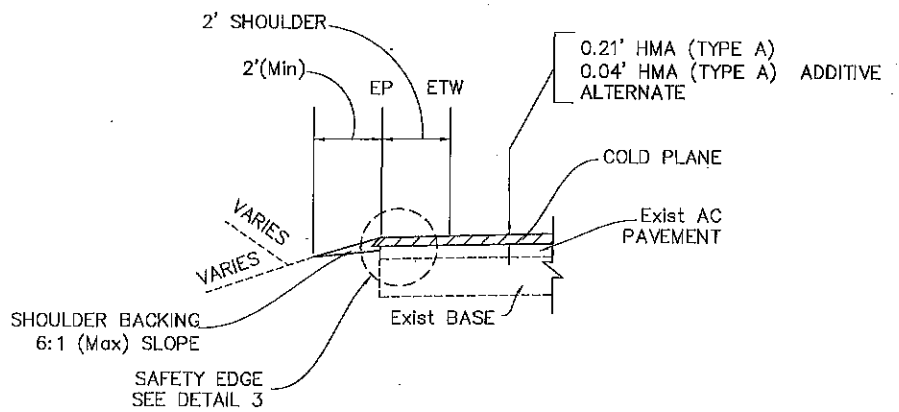


**SURVEY MONUMENT  
FRAME AND COVER DETAIL  
TYPE D  
ALTERNATIVE No. 1**

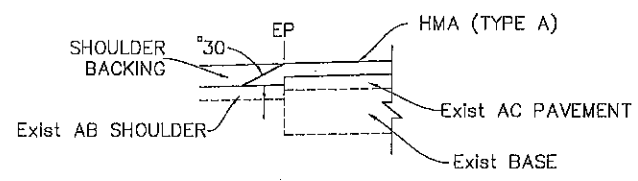


**SURVEY MONUMENT  
FRAME AND COVER DETAIL  
TYPE D  
ALTERNATIVE No. 2**

- NOTES:**
1. CONFIGURATION OF THE CAST IRON OR CAST STEEL FRAME AND COVER MAY VARY FROM THAT SHOWN.
  2. FRAME SHALL BE EMBEDDED IN THE CONCRETE A MINIMUM OF 3".
  3. MONUMENT FRAME AND COVER SHALL BE FOR TYPE D MONUMENT ALTERNATIVE No. 1 OR ALTERNATIVE No. 2 AT THE CONTRACTOR'S OPTION.
  4. ALL PORTLAND CEMENT CONCRETE SHALL BE CLASS 2 OR MINOR CONCRETE WITH 1" MAXIMUM AGGREGATE.
  5. EXISTING MONUMENT FRAME AND COVER SHALL BE ADJUSTED TO FINISH GRADE IN ACCORDANCE WITH SEC. 15-2.10, "ADJUST," OF THE STANDARD SPECIFICATION.



**DETAIL 2**  
TYPICAL RECONSTRUCTED SHOULDER  
NOTE 1: FOR LOCATIONS SEE SHEET Q-1



**DETAIL 3**  
SAFETY EDGE  
NOTE 2: PLACE SAFETY EDGE TREATMENT AT AREAS WHERE SHOULDERS ARE RECONSTRUCTED

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

DESIGN BY, ISABELO DELA MERCED  
PROJECT ENGINEER

DRAWN BY, FELIPE MORALES, I. 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
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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)755-4955

CASTROVILLE BOULEVARD  
OVERLAY PROJECT  
CONTRACT NO. 14-157165

**CONSTRUCTION DETAILS**

DATE: 02/03/14  
SCALE: NTS

RELATIVE BORDER SCALE: IN INCHES  
0 1 2 3

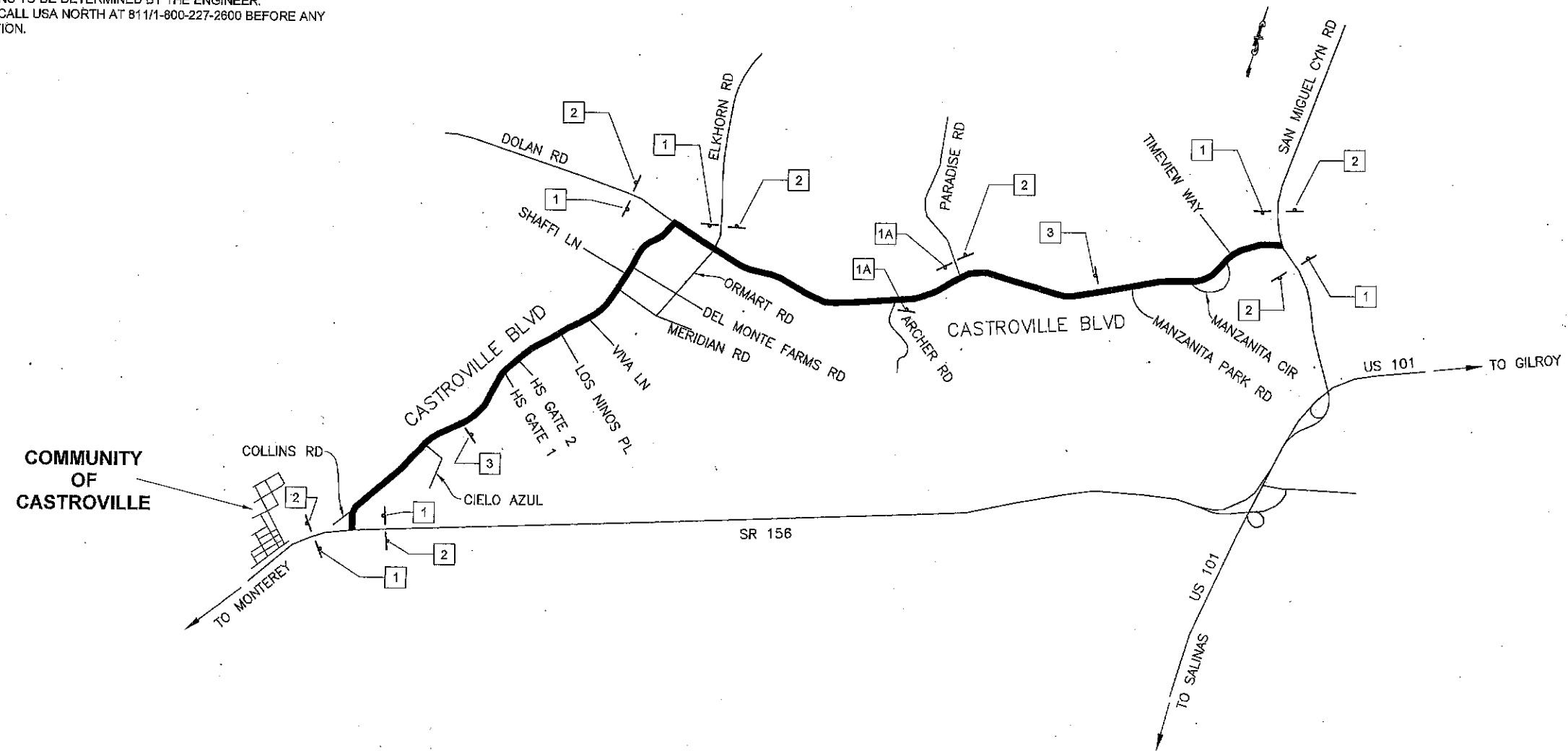
VIEW: C-1

SHEET: C-1

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	6
1A	W20-1	ROAD WORK AHEAD	36 X 36	1 - 4in X 4in	2
2	G20-2	END ROAD WORK	48 X 24	2 - 4in X 4in	7
3	G20-1	ROAD WORK NEXT 4 MILES	60 X 36	2 - 4in X 4in	2

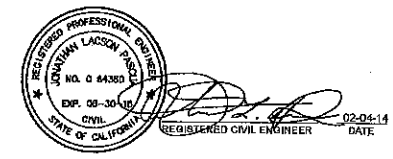
NOTES:

1. THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.
2. EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.
3. CONTRACTOR SHALL CALL USA NORTH AT 811/1-800-227-2600 BEFORE ANY DIGGING OR EXCAVATION.



K:\Design\Projects\1571-Castroville Boulevard Overlay\CAD\Sht construction area signs.dwg, 2/4/2014 3:49:30 PM, moralesf, \\000sprint002new\300-Ricoh3-MPS

SUBMITTED BY, JONATHAN L. PASCUA, P.E.  
 DESIGN BY, ISABELO DELA MERCED  
 DRAWN BY, JESUS GUICO/A DELA MERCED  
 SPECIFICATIONS WRITTEN BY, ISABELO DELA MERCED  
 APPROVAL RECOMMENDED BY, PAUL H., GREENWAY, P.E.  
 CHKD BY, J.P.  
 CHKD BY, J.P./B.G.  
 CHKD BY, J.P./B.G.  
 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)755-4858

CASTROVILLE BOULEVARD  
 OVERLAY PROJECT  
 CONTRACT NO. 14-157165  
**CONSTRUCTION SIGNS**  
 DATE 02/03/14  
 SCALE NTS  
 RELATIVE BORDER SCALE: IN INCHES  
 VIEW CS-1  
 SHEET CS-1

**COLD PLANE AC PAVEMENT**

STATION	0.21 FT Max *	DESCRIPTION
	SQYD	
98+65 TO 99+65	134	12' TRAVEL WAY EB
99+65 TO 101+96	123	TRANSITION LANE WB
99+65 TO 217+68	31,218	12' TRAVEL WAY EB & WB
98+67 TO 101+96	74	WB SHOULDERS
104+52 TO 111+18	148	WB SHOULDERS
114+17 TO 116+75	58	WB SHOULDERS
119+89 TO 121+76	42	WB SHOULDERS
128+46 TO 136+78	185	WB SHOULDERS
145+73 TO 146+81	20	WB SHOULDERS
148+38 TO 156+61	183	WB SHOULDERS
157+29 TO 163+36	135	EB SHOULDERS
157+82 TO 158+73	21	WB SHOULDERS
160+08 TO 161+77	38	WB SHOULDERS
194+66 TO 199+14	100	WB SHOULDERS
197+16 TO 199+47	52	EB SHOULDERS
204+26 TO 205+42	26	WB SHOULDERS
205+30 TO 206+90	36	WB SHOULDERS
206+48 TO 209+53	58	WB SHOULDERS
210+92 TO 213+58	60	EB SHOULDERS
214+11 TO 219+24	439	EB FREE RIGHT LANE
240+82 TO 300+42	15,894	12' TRAVEL WAY EB & WB
300+42 TO 360+50	16,022	12' TRAVEL WAY EB & WB
360+50 TO 388+61.17	7,497	12' TRAVEL WAY EB & WB
TOTAL	72,573	

\* 0.25 FT, IF ADDITIVE ALTERNATE IS AWARDED.

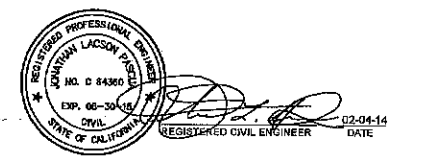
**ROADWAY QUANTITIES**

STATION	HOT MIX ASPHALT (TYPE A)	ADDITIVE ALTERNATE HOT MIX ASPHALT (TYPE A)	TACK COAT	SLURRY SEAL (TYPE II)	DESCRIPTION
	TON	TON	TON	TON	
98+65 TO 99+65	19	4	1		BEGIN CONST TO 100' FROM SR 156
99+65 TO 217+68	4,650	928	3		100' FROM SR 156 TO DOLAN RD
217+68 TO 240+81	0	0	0	104	DOLAN RD TO 1000' E/O ELKHORN RD
240+81 TO 300+42	2,235	447	1		1000' E/O ELKHORN RD TO PARADISE RD
300+42 TO 360+50	2,253	451	2		PARADISE RD TO MANZANITA CIR(WEST)
360+50 TO 388+61	1,055	211	1		MANZANITA CIR(WEST) TO SAN MIGUEL CYN RD
TOTAL	10,212	2,041	8	104	

**FRAME AND COVER**

STATION	FRAME AND COVER (SURVEY MONUMENT)	LOCATION
	EA	
120+28.84	1	CENTERLINE
149+54.60	1	WB MEDIAN EDGE
158+99.47	1	CENTERLINE
167+72.92	1	CENTERLINE
192+12.22	1	EB LANE RT
210+10.92	1	CENTERLINE
238+49.31	1	CENTERLINE
242+16.81	1	CENTERLINE
246+50.38	1	CENTERLINE
249+96.37	1	CENTERLINE
TOTAL	10	

SUBMITTED BY JONATHAN L. PASCUA, P.E.  
 DESIGN BY I. DELAMERCED  
 DRAWN BY F. MORALES  
 SPECIFICATIONS WRITTEN BY I. DELAMERCED  
 APPROVAL RECOMMENDED BY PAUL H. GREENWAY, P.E.  
 ASSISTANT DIRECTOR OF PUBLIC WORKS



NO.	DATE	REVISION	APPROVED



COUNTY OF MONTEREY  
 RESOURCE MANAGEMENT AGENCY  
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 (831)755-4800/FAX (831)755-4958

CASTROVILLE BOULEVARD  
 OVERLAY PROJECT  
 CONTRACT NO. 14-157165

**SUMMARY OF QUANTITIES**

DATE: 02/03/2014  
 SCALE: NTS  
 RELATIVE BORDER SCALE: IN INCHES  
 VIEW: Q-1

SHEET Q-1