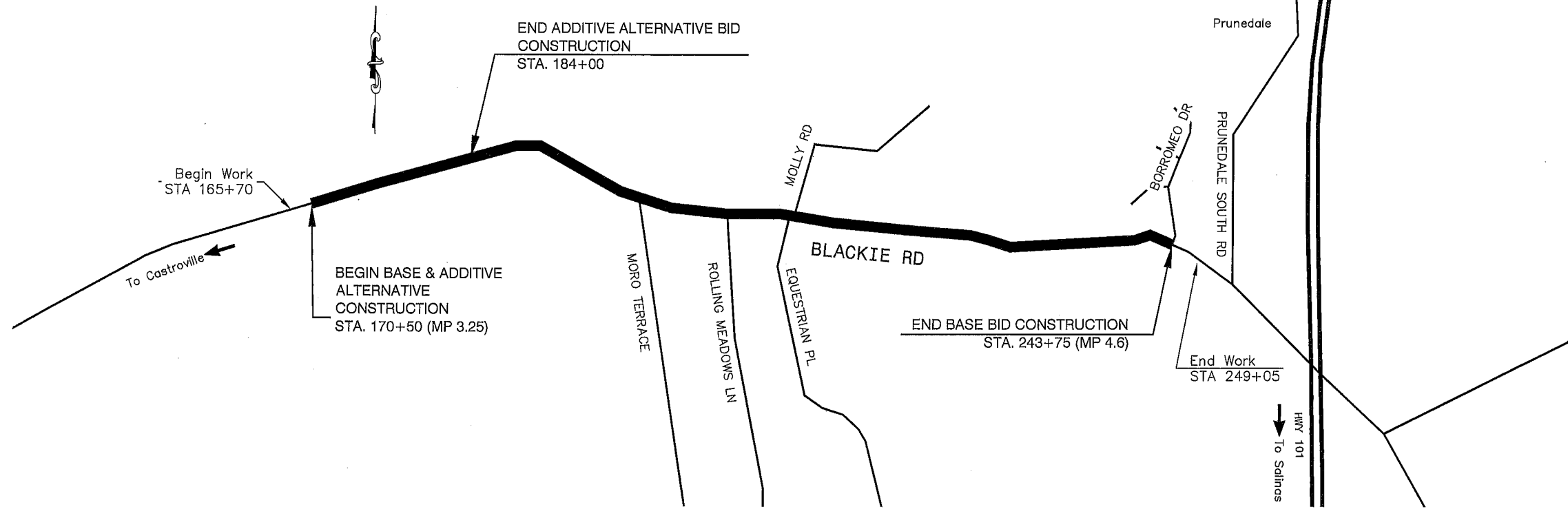
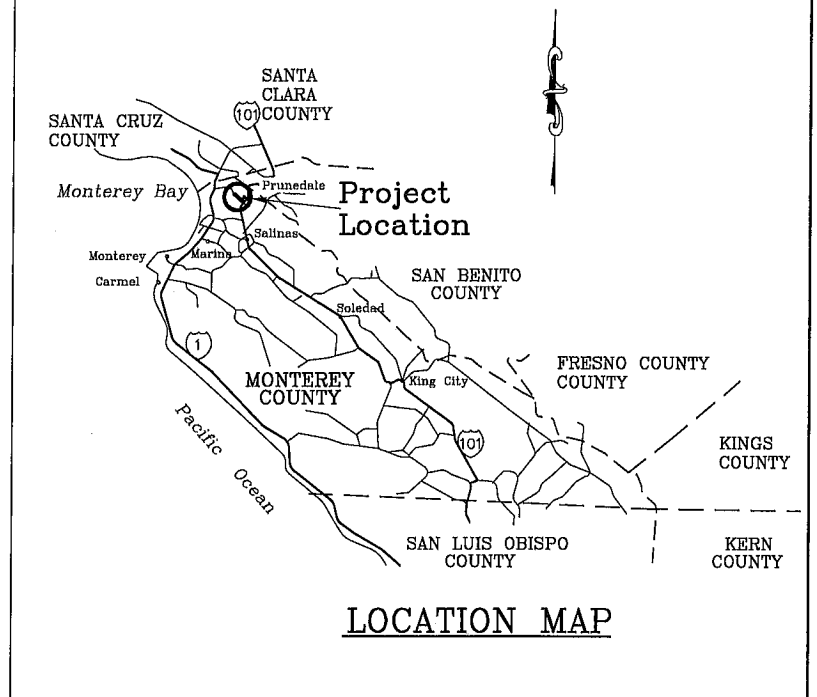


Sheet Number	Sheet Title
1	TITLE SHEET
2-3	TYPICAL CROSS SECTIONS
4-11	PLAN & PROFILE
12-18	CONSTRUCTION DETAILS
19	CONSTRUCTION AREA SIGNS
20-22	TRAFFIC STRIPING PLANS
23	SUMMARY OF QUANTITIES
24-25	SURVEY PLANS
26-27	PLANTING PLANS

STATE OF CALIFORNIA
 COUNTY OF MONTEREY
 DEPARTMENT OF PUBLIC WORKS
 PROJECT PLANS FOR CONSTRUCTION
 OF
BLACKIE ROAD SAFETY IMPROVEMENTS
 PROJECT CONTRACT NO. 13-140665, 13-142265
 STATE PROJECT NO. EA 05-930075L, EA 05-930155L
 FEDERAL AID PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)

TO BE SUPPLEMENTED BY CALTRANS STANDARD SPECIFICATIONS AND STANDARD PLANS DATED MAY 2006

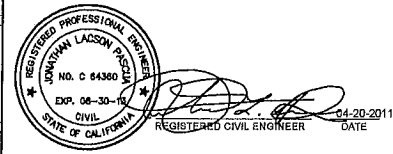


APPROVED ON _____ BY ACTION OF THE BOARD OF SUPERVISORS
 PER BOARD ORDER # _____ PUBLIC WORKS PROJECTS
 HRRRL-5944(086), HRRRL-5944(091)

The Contractor shall possess Class (or Classes) of license as specified in the "Notice to Bidders".

PAUL H GREENWAY, P.E. DATE _____
 ACTING DIRECTOR OF PUBLIC WORKS

SUBMITTED BY ARTURO A. ADLAWAN, P.E., SENIOR CIVIL ENGINEER	
DESIGN BY BARNEY GUZMAN, PROJECT ENGINEER	CHKD BY A.A./J.P..
DRAWN BY T. NYUNT/F. MORALES	CHKD BY B.G./J.P..
SPECIFICATIONS WRITTEN BY BARNEY GUZMAN	CHKD BY A.A./J.P..
APPROVAL RECOMMENDED BY PAUL H. GREENWAY, P.E., ACTING DIRECTOR OF PUBLIC WORKS	



NO.	DATE	REVISION	APPROVED



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

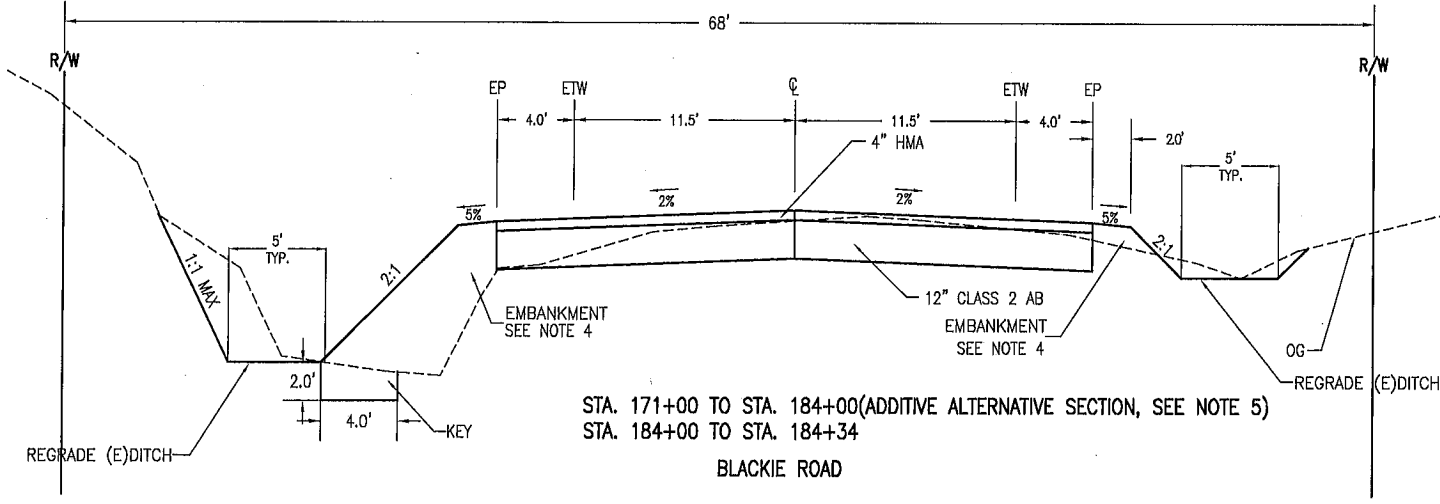
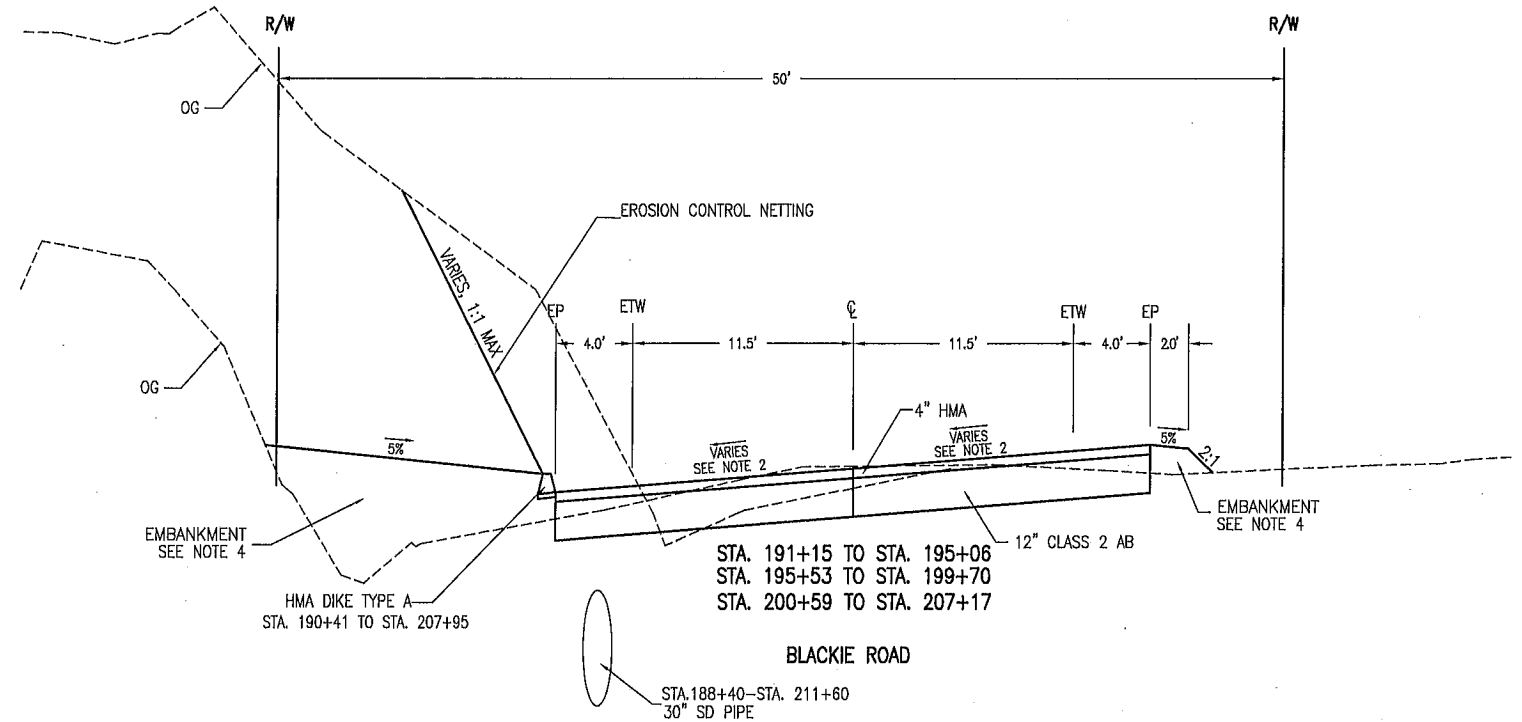
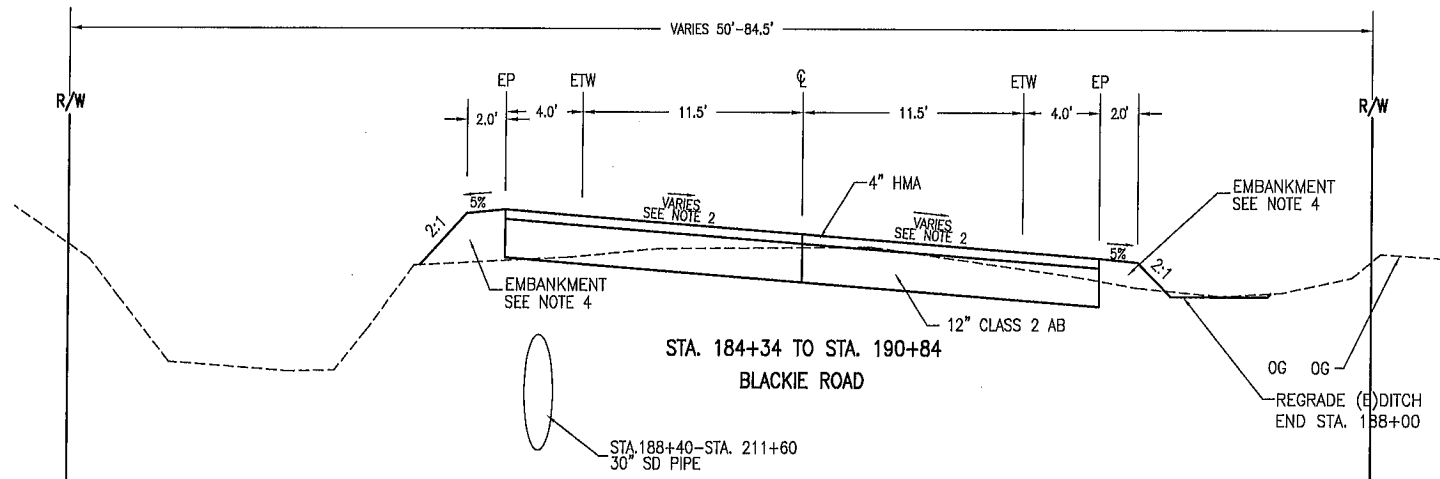
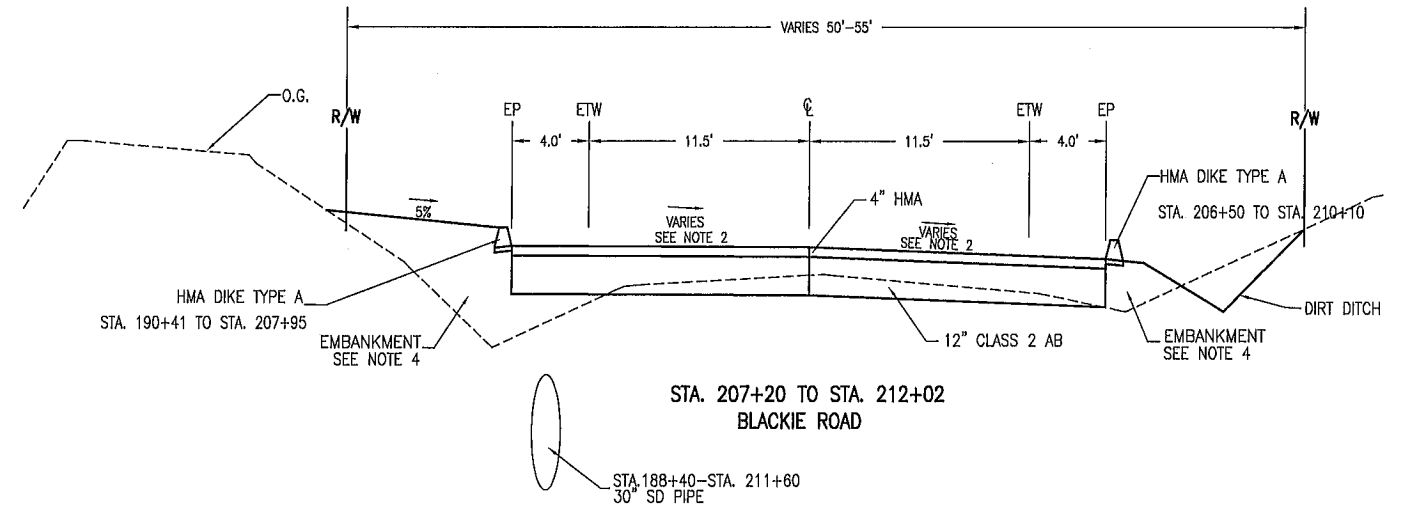
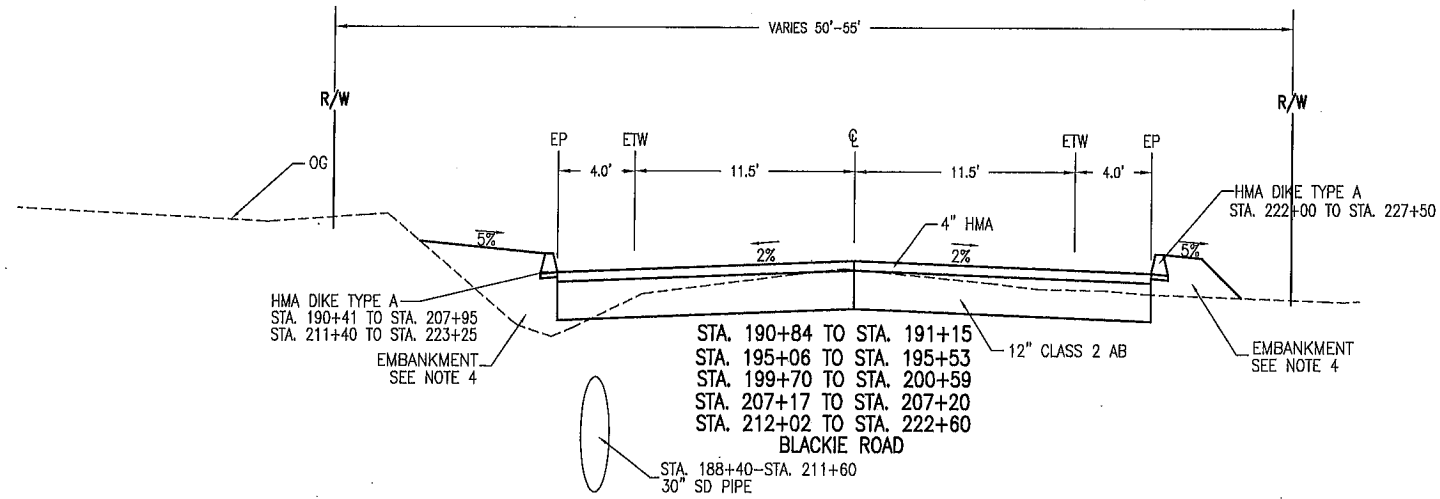
BLACKIE ROAD SAFETY IMPROVEMENTS FROM MP 3.25 TO 4.6 PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)		
TITLE SHEET		
DATE 04/20/2011	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET 1 OF 27
SCALE NONE	VIEW TITLE SHEET	

ABBREVIATIONS:

AB AGGREGATE BASE
 EP EDGE OF PAVEMENT
 ETW EDGE OF TRAVEL WAY
 HMA HOT MIX ASPHALT
 MAX MAXIMUM SLOPE
 OG ORIGINAL GROUND
 SD STORM DRAIN
 R/W RIGHT OF WAY
 SHT SHEET

NOTES:

1. DIMENSION OF THE STRUCTURAL SECTIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATION AS SHOWN ON PLAN AND PROFILE SHEETS OR AS DIRECTED BY THE ENGINEER.
3. IDENTIFIED BY ARMY CORPS OF ENGINEERS AS WETLAND AREA. THIS AREA WILL BE PROTECTED BY ENVIRONMENTALLY SENSITIVE AREA FENCING PRIOR TO CONSTRUCTION ACTIVITIES.
4. EXCAVATED MATERIAL SHALL BE USE AS LOCAL BORROW TO PROVIDE EMBANKMENT AS SHOW ON THE PLANS AS INDICATED IN SPECIAL PROVISIONS.
5. SLURRY SEAL EXISTING PAVEMENT FROM STA. 171+00 TO STA. 184+00 AS PART OF BASE BID.



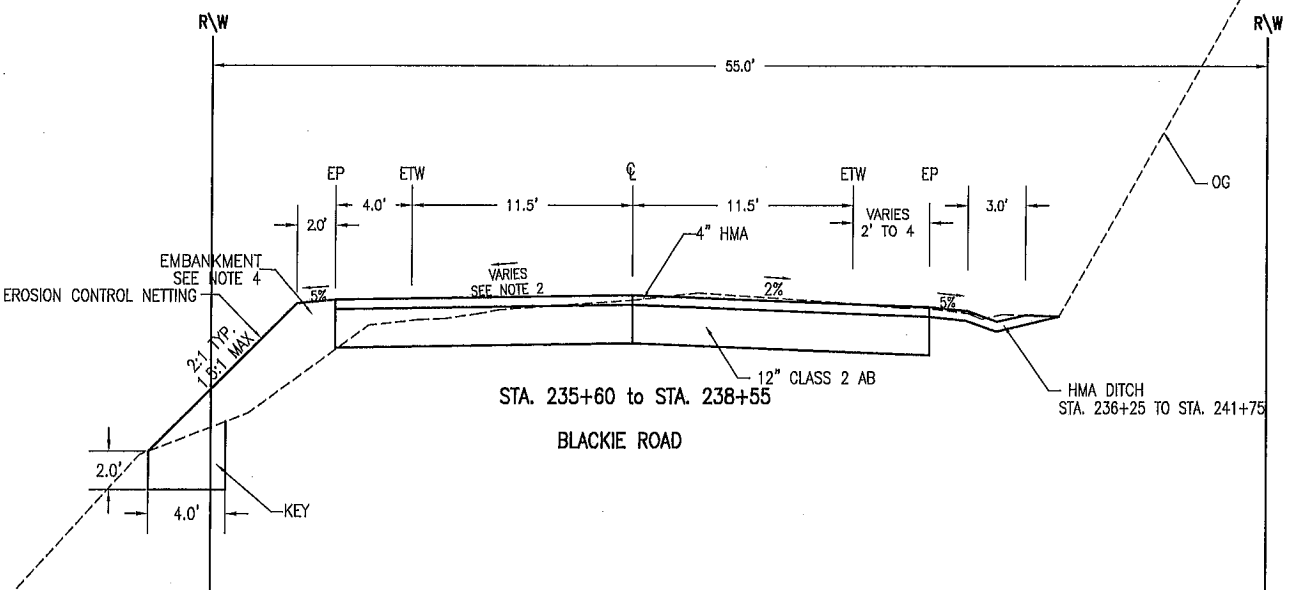
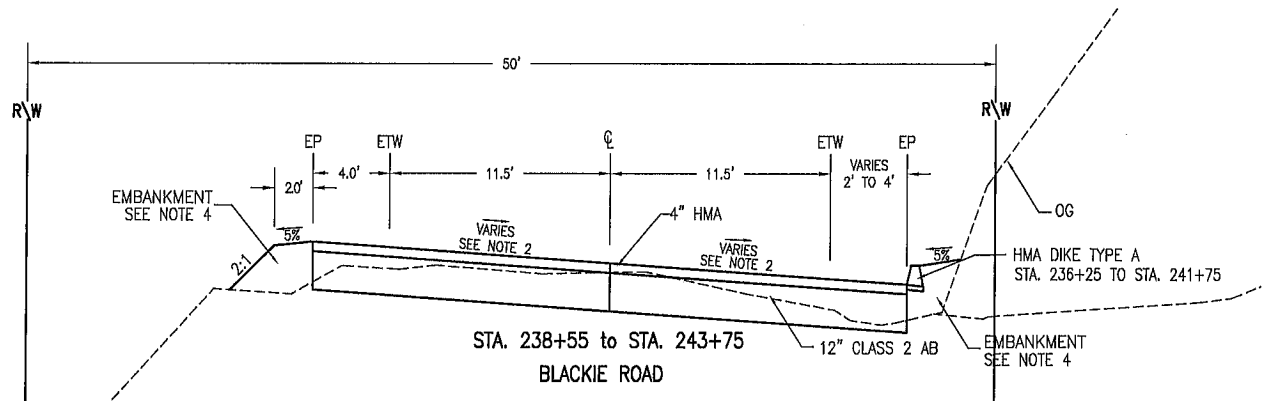
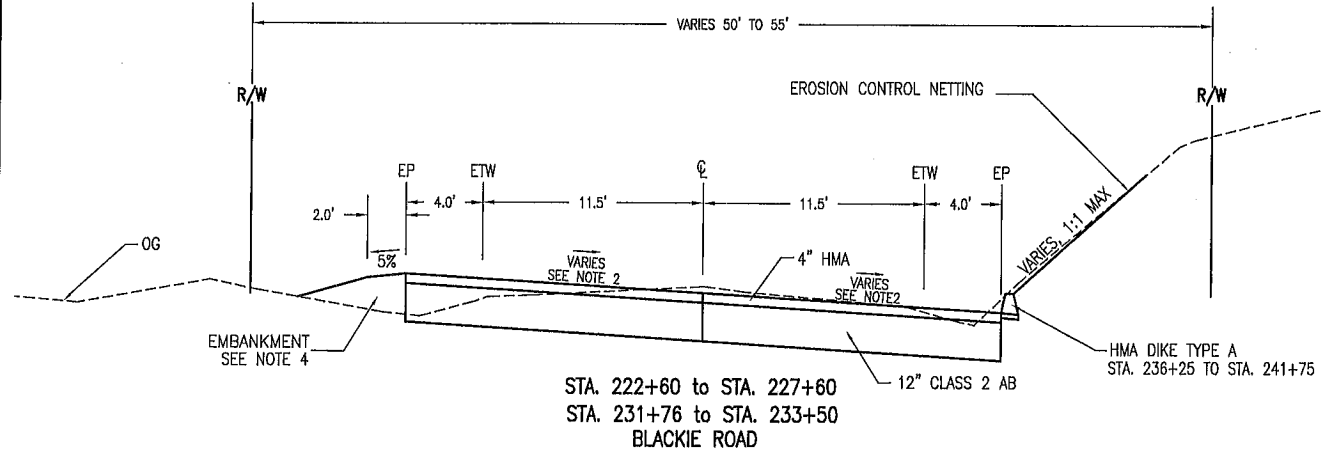
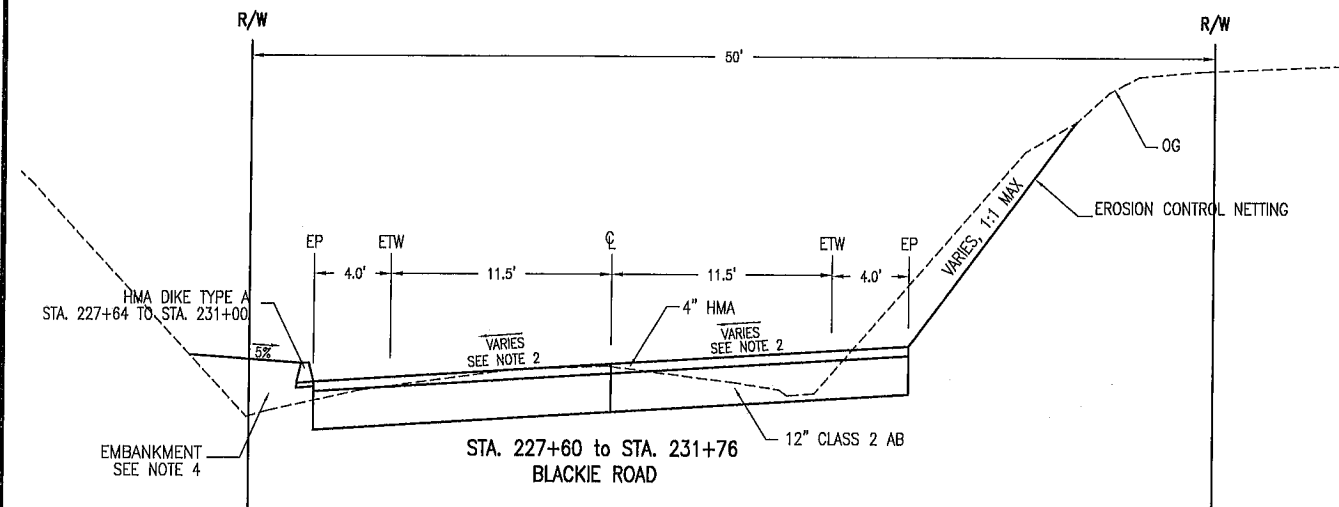
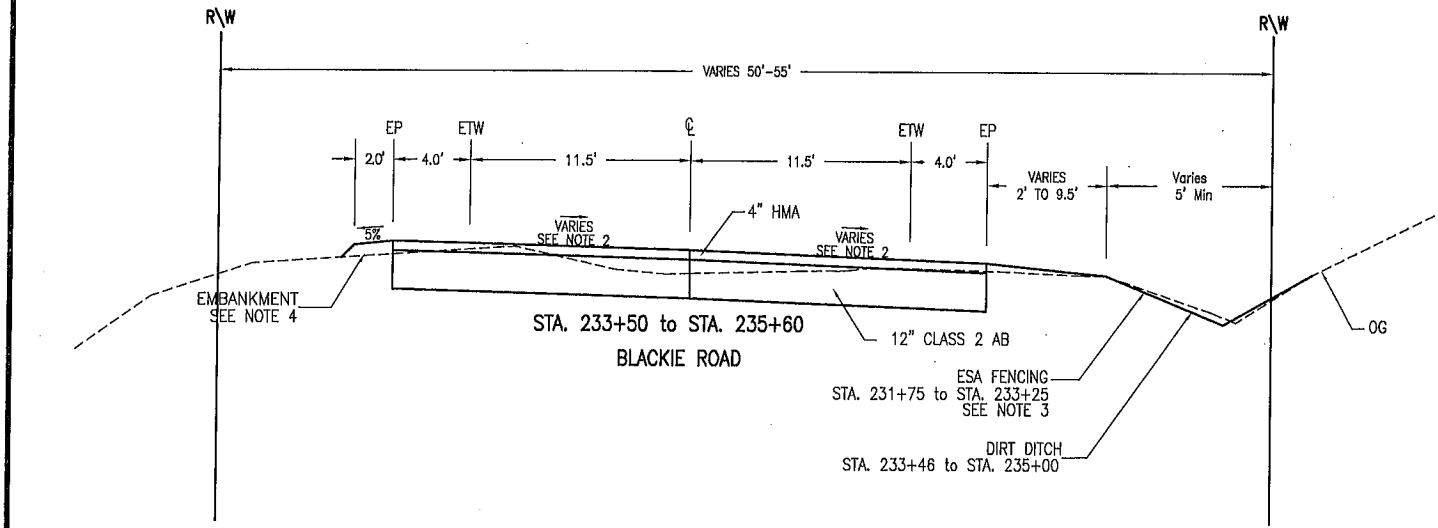
SUBMITTED BY ARTURO A. ADLAWAN, P.E.
 SENIOR ENGINEER
 DESIGN BY BARNEY GUZMAN
 PROJECT ENGINEER
 DRAWN BY THANT NYUNT
 SPECIFICATIONS WRITTEN BY BARNEY GUZMAN
 APPROVAL RECOMMENDED BY PAUL H. GREENWAY, P.E.
 ACTING DIRECTOR OF PUBLIC WORKS

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

NO.	DATE	REVISION	APPROVED
▲			
▲			
▲			
▲			

COUNTY OF MONTEREY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN SECTION
 168 WEST ALISAL STREET, 2ND FLOOR
 SALINAS, CALIFORNIA 93901-2680
 (831) 755-4800/FAX (831) 755-4958

BLACKIE ROAD SAFETY IMPROVEMENTS
 FROM MP 3.25 TO 4.6
 PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)
TYPICAL CROSS SECTION
 DATE 04/20/2011
 SCALE N.T.S.
 RELATIVE BORDER SCALE: IN INCHES
 VIEW TYPICAL (1)
 SHEET 2 OF 27



SUBMITTED BY ARTURO A. ADLAWAN, P.E.
SENIOR ENGINEER

DESIGN BY BARNEY GUZMAN
PROJECT ENGINEER

DRAWN BY THANT NYUNT

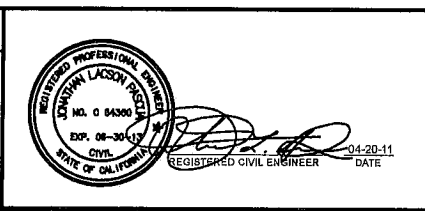
SPECIFICATIONS WRITTEN BY BARNEY GUZMAN

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

CHKD BY A.A./J.P.

CHKD BY B.G./J.P.

CHKD BY A.A./J.P.



NO.	DATE	REVISION	APPROVED
▲			
▲			
▲			
▲			
▲			

COUNTY OF MONTEREY
DEPARTMENT OF PUBLIC WORKS
DESIGN SECTION

168 WEST ALISAL STREET, 2ND FLOOR
SALINAS, CALIFORNIA 93901-2680
(831) 755-4800/FAX (831) 755-4958

BLACKIE ROAD SAFETY IMPROVEMENTS
FROM MP 3.25 TO 4.6
PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)

TYPICAL CROSS SECTION

DATE 04/20/2011

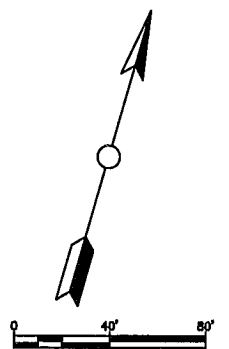
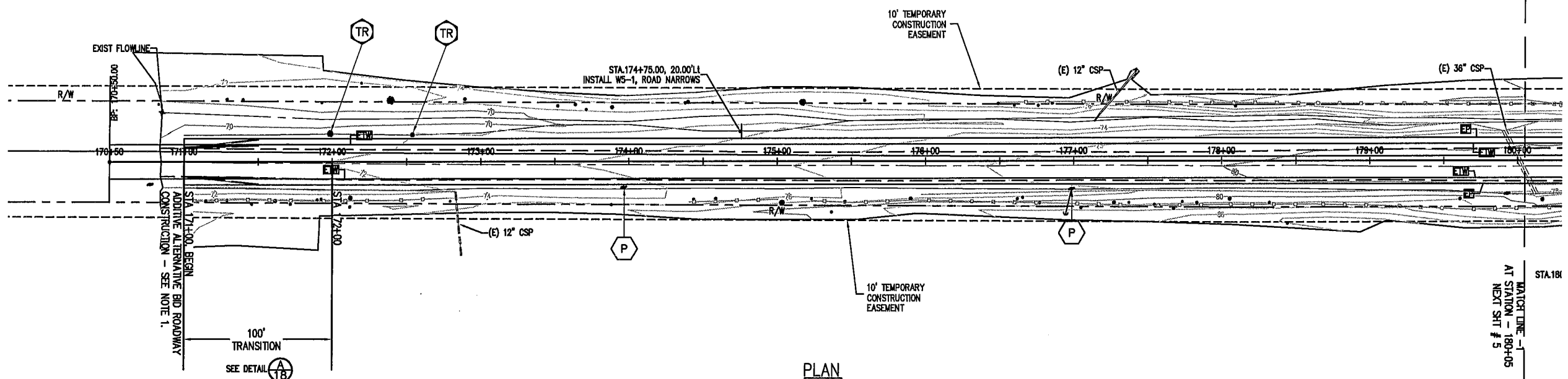
SCALE N.T.S.

RELATIVE BORDER SCALE: IN INCHES

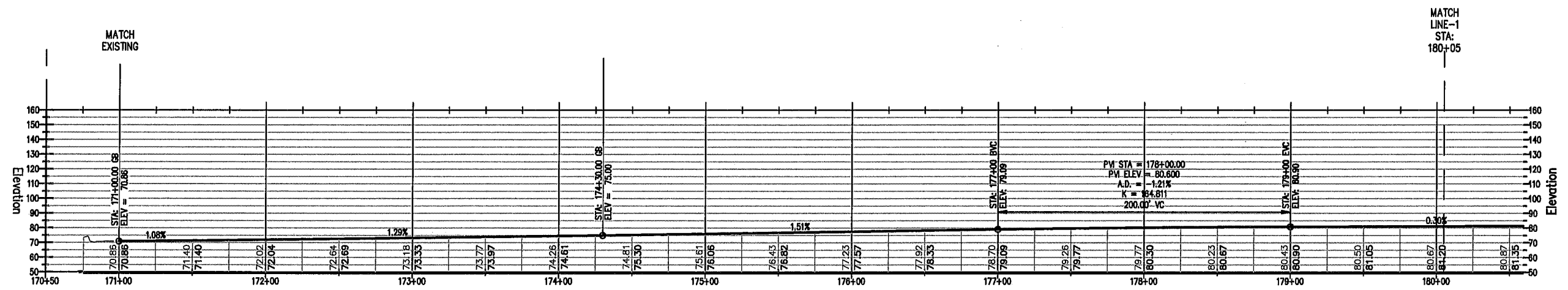
VIEW TYPICAL (2)

SHEET 3 OF 27

K:\Design\Projects\1406-BRSI\CAD\CONSTRUCTION\BRSI-PP-3X-2011.dwg, 1PP (P4), 6/4/2012 2:31:52 PM, \\000sprint002new\300-M450C, BLACKIE ROAD SAFETY IMPROVEMENTS



PLAN



CENTERLINE PROFILE

NOTES:

- SLURRY SEAL EXISTING PAVEMENT FROM STATION 171+00 TO STATION 184+00 AS PART OF BASE BID.
- CONTRACTOR SHALL COMPLY WITH REQUIREMENTS OF GOVERNMENT CODE SECTION 4216 CONCERNING PROTECTION OF UNDERGROUND INFRASTRUCTURE. IMPORTANT REQUIREMENTS OF THE LAW INCLUDE:
 - OUTLINE YOUR EXCAVATION AREA WITH WHITE PAINT [4216.2a].
 - CALL UNDERGROUND SERVICE ALERT (USA) 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG [4216.2a].
 - THE USA REQUEST NUMBER IS VALID FOR 14 CALENDAR DAYS. IF YOUR EXCAVATION EXTENDS BEYOND THAT YOU MUST CONTACT USA EVERY 14 DAYS [4216.a].
 - KEEP THE USA REQUEST NUMBER TO VALIDATE YOUR EXCAVATION PERMIT [4216.9a].
 - USA WILL NOTIFY ITS MEMBERS OF YOUR EXCAVATION [4216.2a].
 - THE USA MEMBERS WILL PROVIDE INFORMATION ABOUT, MARK OR STAKE THE HORIZONTAL PATH OF THEIR FACILITIES, OR WILL ADVISE OF CLEARANCE [4216.3a].
 - EXPOSE THE UNDERGROUND FACILITIES BY HAND BEFORE USING POWER EQUIPMENT [4216.4a].

CONSTRUCTION FEATURES LEGEND

	EXISTING ELECTRICAL LINE
	EXISTING TELEPHONE LINE
	EXISTING WATER LINE
	EXISTING GAS LINE
	BARBED WIRE FENCE
	WOOD FENCE
	CHAIN LINK FENCE
	RIGHT OF WAY (R/W)
	EXISTING GROUND

	PROPOSED CONTOUR
	EXISTING CONTOUR
	POLE ANCHOR
	STAND PIPE, FLAGPOLE, PULL BOX, VALVE COVER
	TELEPHONE & CABLE POLE (NEW & EXISTING)
	POWER POLE (NEW & EXISTING)
	JOINT POLE
	SURVEY MARKER
	EXISTING TREE

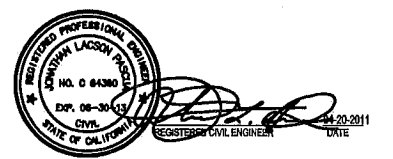
HATCH PATTERN LEGEND

	AC GRINDING
	CLASS II AB
	IMPORTED BORROW

CONSTRUCTION SYMBOLS AND NOTES

	GAS VALVE - TO BE ADJUSTED BY OTHERS
	RELOCATE MAILBOX
	INSTALL PERMANENT MONUMENT SEE STATE STD A74 - TYPE D, ALT. 2
	SALVAGE ROAD SIGN
	RELOCATE ROAD SIGN
	REMOVE TREE
	DETAIL SECTION
	SHEET NO.
	UTILITY POLE - TO BE RELOCATED BY OTHERS

SUBMITTED BY, ARTURO A. ADLAWAN, P.E., SENIOR CIVIL ENGINEER	
DESIGN BY, BARNEY GUZMAN, PROJECT ENGINEER	CHKD BY, A.A./J.P.
DRAWN BY, T. NYUNT/F. MORALES	CHKD BY, B.G./J.P.
SPECIFICATIONS WRITTEN BY, BARNEY GUZMAN	CHKD BY, A.A./J.P.
APPROVAL RECOMMENDED BY, PAUL H. GREENWAY, P.E., ACTING DIRECTOR OF PUBLIC WORKS	



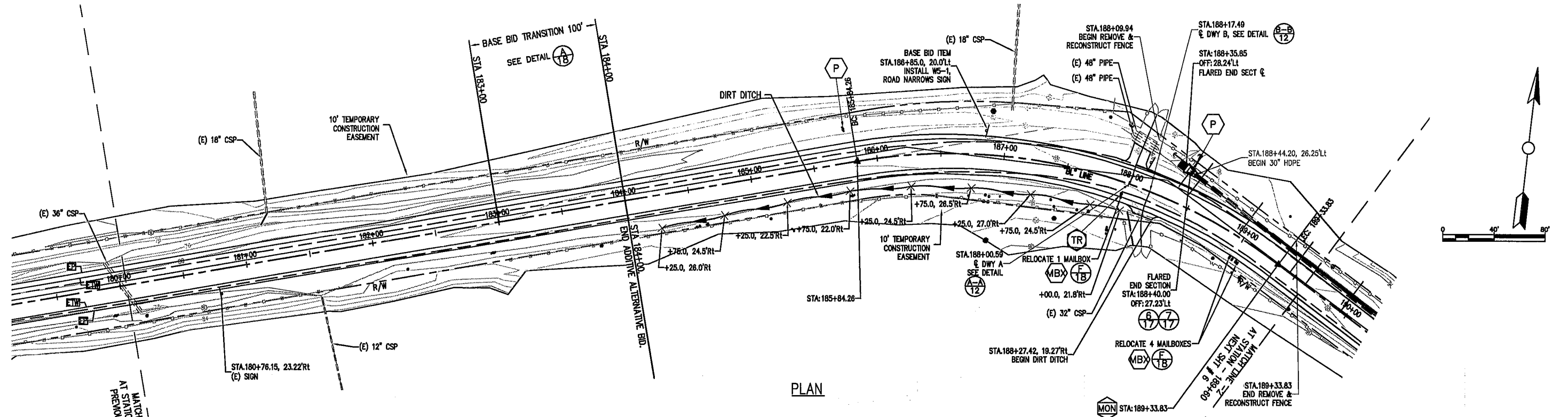
NO.	DATE	REVISION	APPROVED



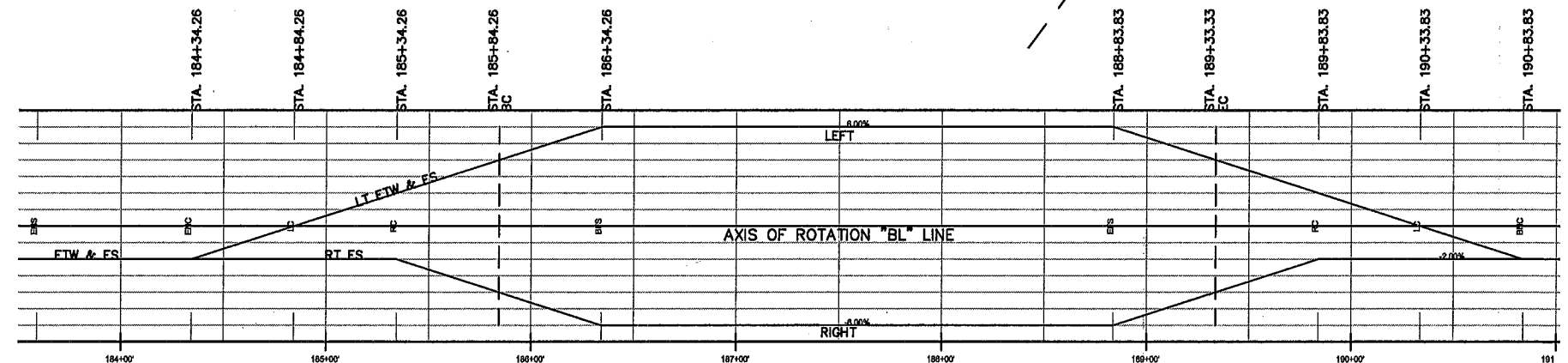
COUNTY OF MONTEREY
DEPARTMENT OF PUBLIC WORKS
DESIGN SECTION
168 WEST ALISAL STREET, 2nd FLOOR
SALINAS, CALIFORNIA 93901
(831)755-4800/FAX (831)755-4958

BLACKIE ROAD SAFETY IMPROVEMENTS FROM MP 3.25 TO 4.6 PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)		
PLAN & PROFILE		
DATE 04/20/2011	RELATIVE BORDER SCALE: IN INCHES 	SHEET 4 OF 27
SCALE 1" = 40'	VIEW 1PP (P4)	

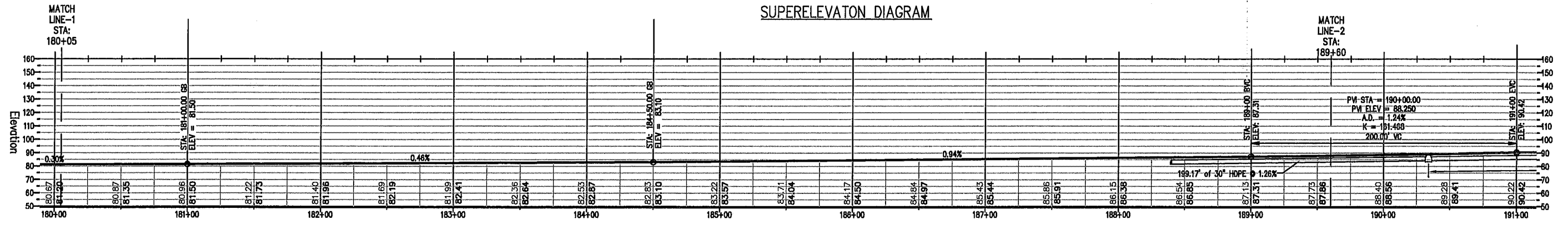
K:\Design\Projects\1406-BRSI\CAD\CONSTRUCTION\BRSI-PP-3X-2011.dwg, 2PP (P5), 6/4/2012 5:14:13 PM, \\000sprint002new\300-M450C, BLACKIE ROAD SAFETY IMPROVEMENTS



PLAN

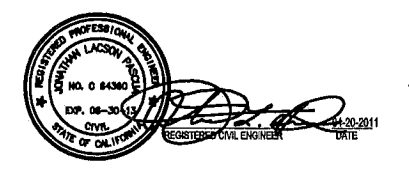


SUPERELEVATION DIAGRAM



CENTERLINE PROFILE

SUBMITTED BY, ARTURO A. ADLAWAN, P.E., SENIOR CIVIL ENGINEER	
DESIGN BY, BARNEY GUZMAN, PROJECT ENGINEER	CHKD BY, A.A./J.P.
DRAWN BY, T. NYUNT/F. MORALES	CHKD BY, A.
SPECIFICATIONS WRITTEN BY, BARNEY GUZMAN	CHKD BY, Z.
APPROVAL RECOMMENDED BY, PAUL H. GREENWAY, P.E., ACTING DIRECTOR OF PUBLIC WORKS	



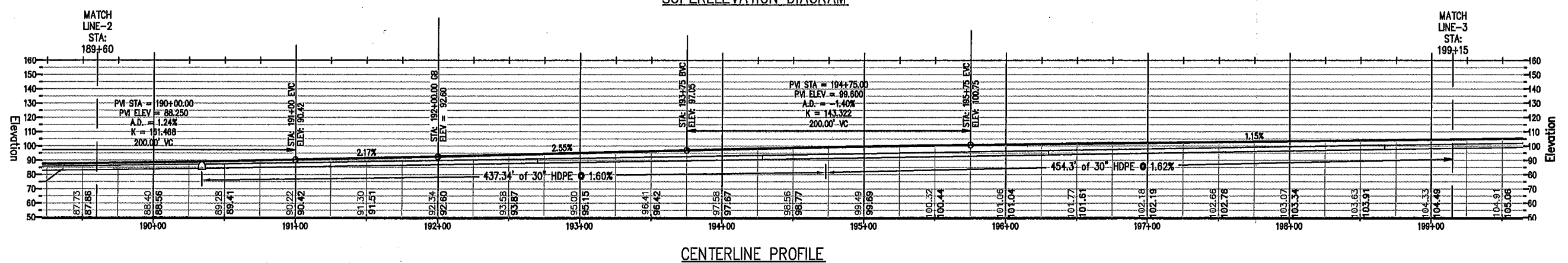
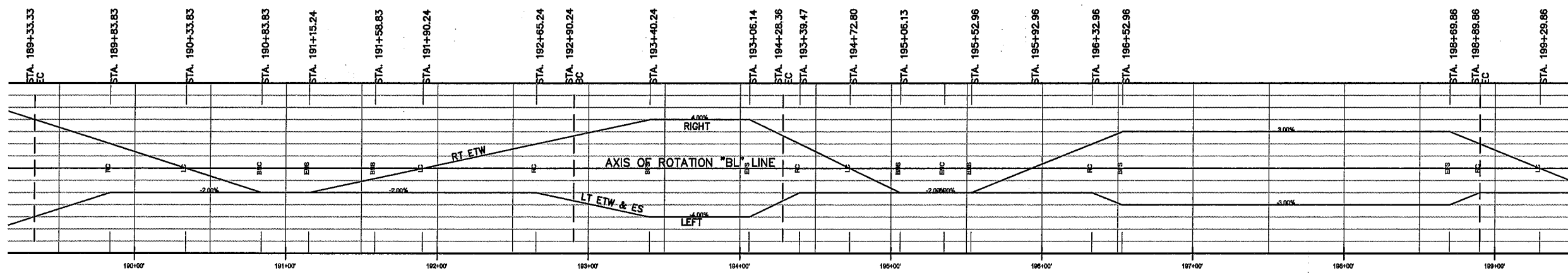
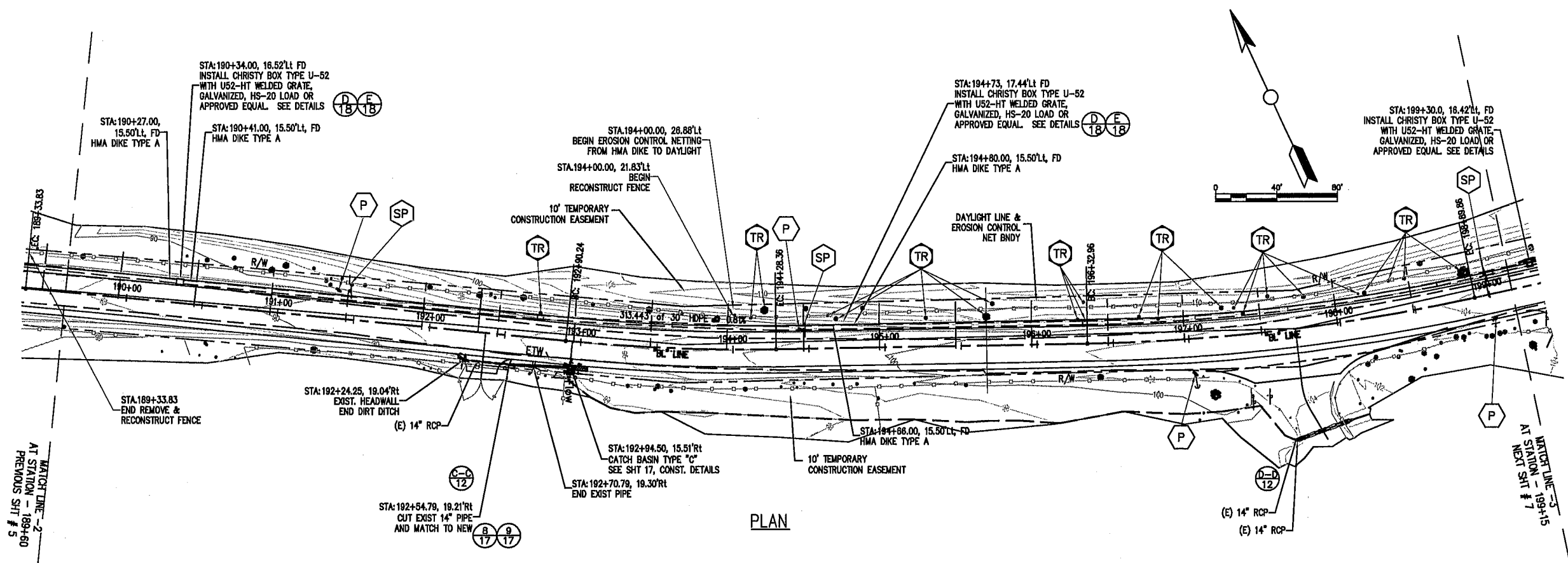
NO.	DATE	REVISION	APPROVED
▲			
▲			
▲			



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

BLACKIE ROAD SAFETY IMPROVEMENTS FROM MP 3.25 TO 4.6 PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)		
PLAN & PROFILE		
DATE 04/20/2011	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET 5 OF 27
SCALE 1" = 40'	VIEW 2PP (P5)	

K:\Design\Projects\1406-BRST\CAD\CONSTRUCTION\BRSI-PP-3X-2011.dwg, 3PP (PG), 6/4/2012 4:23:59 PM, \\000sprint002new\300-M450C, BLACKIE ROAD SAFETY IMPROVEMENTS



SUBMITTED BY, ARTURO A. ADLAWAN, P.E., SENIOR CIVIL ENGINEER
 DESIGN BY, BARNEY GUZMAN, PROJECT ENGINEER
 DRAWN BY, T. NYUNT/F. MORALES
 SPECIFICATIONS WRITTEN BY, BARNEY GUZMAN
 APPROVAL RECOMMENDED BY, PAUL H. GREENWAY, P.E., ACTING DIRECTOR OF PUBLIC WORKS

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

NO. DATE REVISION APPROVED

REGISTERED PROFESSIONAL ENGINEER
 BARNEY GUZMAN
 NO. 0 64380
 EXP. 06-30-15
 CIVIL
 STATE OF CALIFORNIA
 REGISTERED CIVIL ENGINEER
 DATE 04-20-2011

COUNTY OF MONTEREY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN SECTION
 188 WEST ALJAL STREET, 2nd FLOOR
 SALINAS, CALIFORNIA 93901
 (831)755-4800/FAX (831)755-4958

BLACKIE ROAD SAFETY IMPROVEMENTS
 FROM MP 3.25 TO 4.6
 PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)

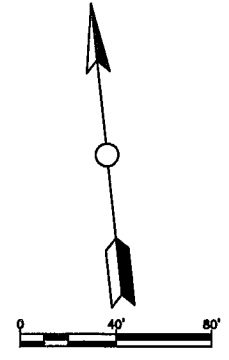
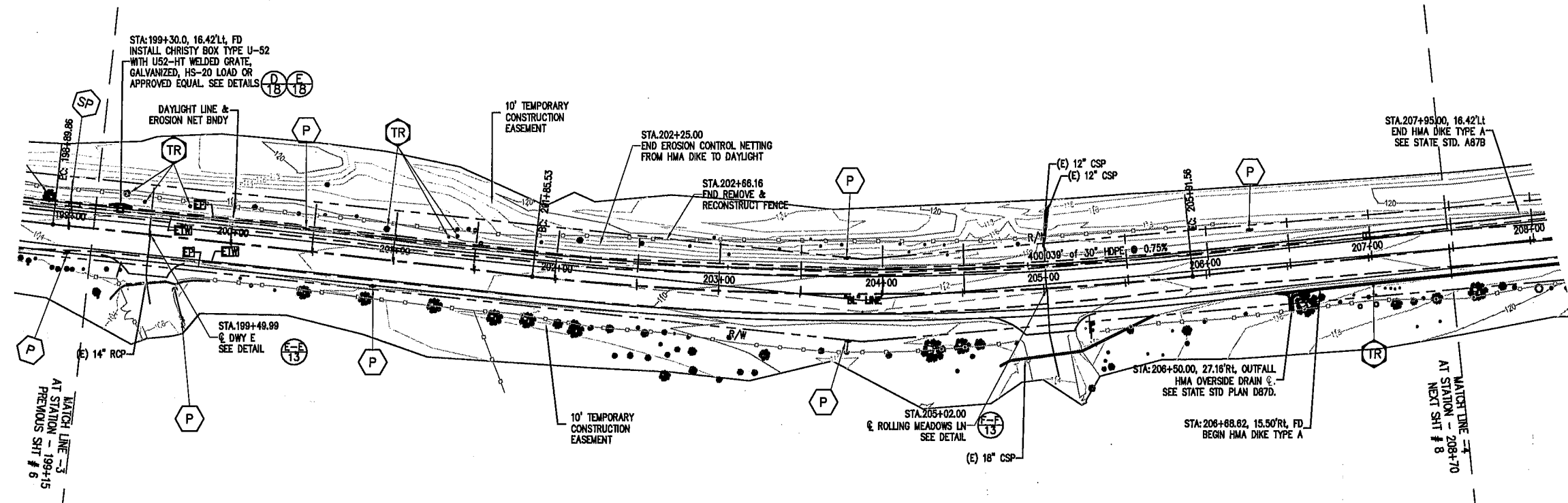
PLAN & PROFILE

DATE 04/20/2011
 SCALE 1" = 40'
 VIEW 3PP (P6)

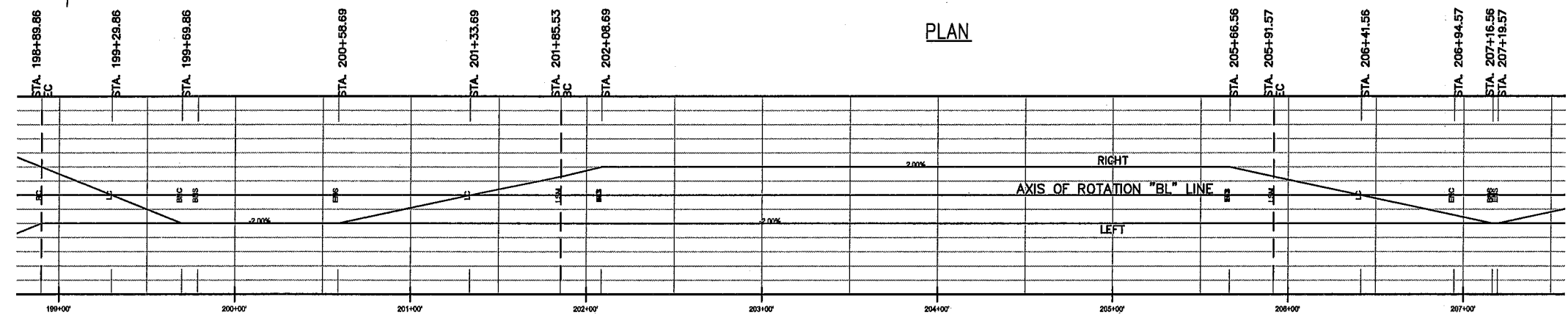
RELATIVE BORDER SCALE: IN INCHES
 0 1 2 3

SHEET 6 OF 27

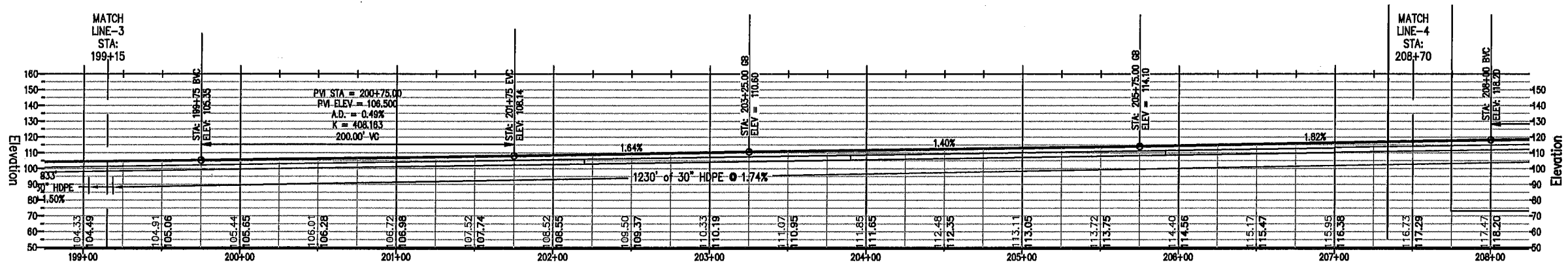
K:\Design\Projects\1406-BRST\CAD\CONSTRUCTION\BRSI-PP-3X-2011.dwg, 4PP (P7), 6/4/2012 4:52:20 PM, \\000sprint002new\300-M450C, BLACKIE ROAD SAFETY IMPROVEMENTS



PLAN

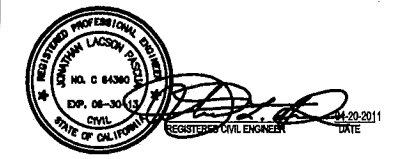


SUPERELEVATION DIAGRAM



CENTERLINE PROFILE

SUBMITTED BY, ARTURO A. ADLAWAN, P.E., SENIOR CIVIL ENGINEER	
DESIGN BY, BARNEY GUZMAN, PROJECT ENGINEER	CHKD BY, A.A./J.P.
DRAWN BY, T. NYUNT/F. MORALES	CHKD BY, B.G./J.P.
SPECIFICATIONS WRITTEN BY, BARNEY GUZMAN	CHKD BY, A.A./J.P.
APPROVAL RECOMMENDED BY, PAUL, H. GREENWAY, P.E., ACTING DIRECTOR OF PUBLIC WORKS	



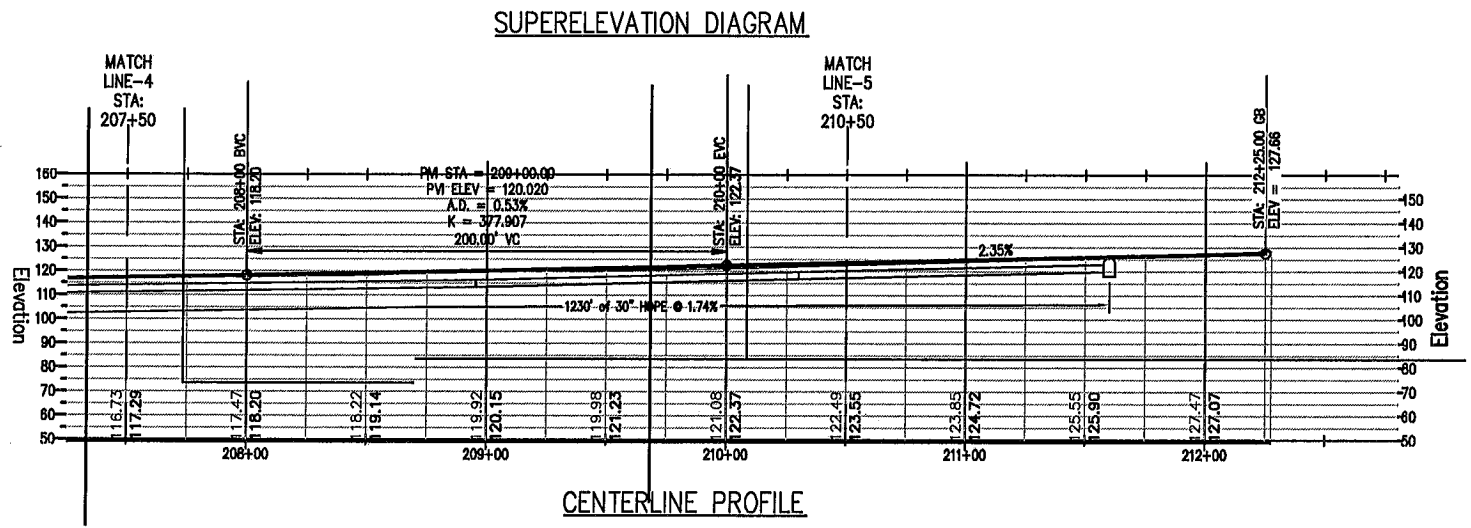
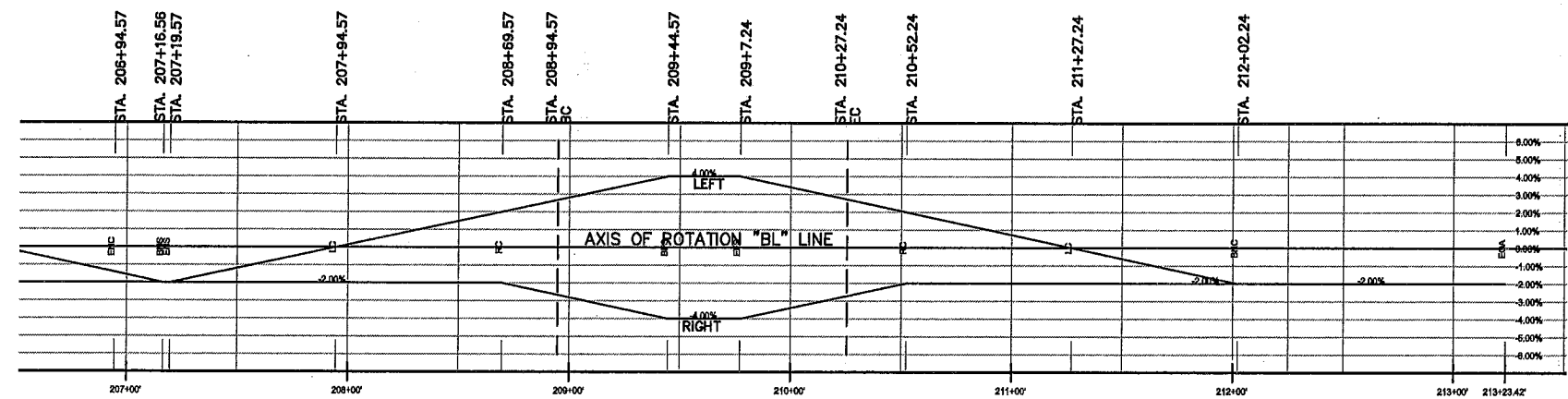
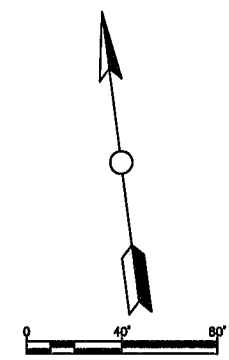
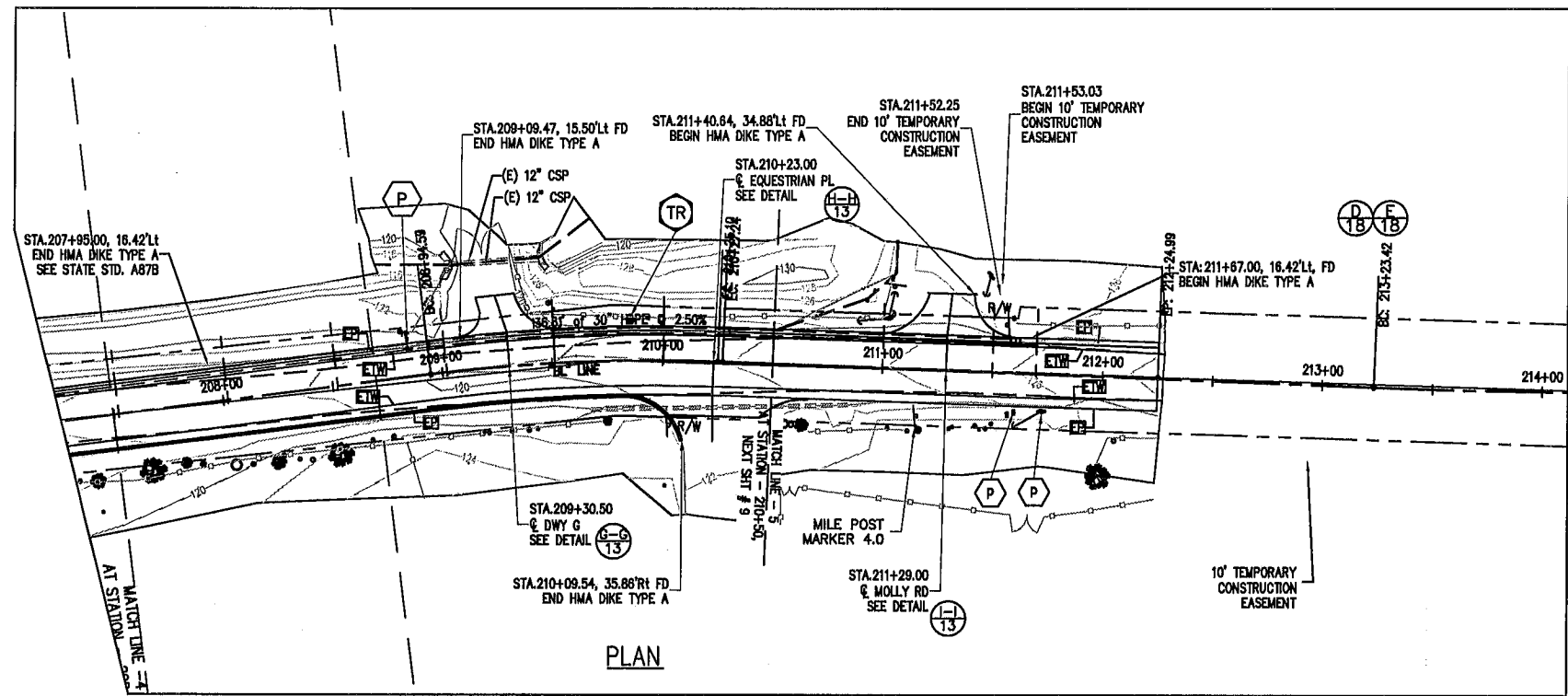
NO.	DATE	REVISION	APPROVED



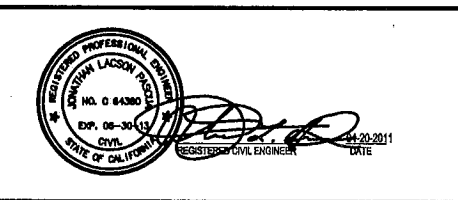
COUNTY OF MONTEREY
DEPARTMENT OF PUBLIC WORKS
DESIGN SECTION
188 WEST ALJASAL STREET, 2nd FLOOR
SALINAS, CALIFORNIA 93901
(831)755-4800/FAX (831)755-4958

BLACKIE ROAD SAFETY IMPROVEMENTS FROM MP 3.25 TO 4.6 PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)		
PLAN & PROFILE		
DATE 04/20/2011	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET 7 OF 27
SCALE 1" = 40'	VIEW 4PP (P7)	

K:\Design\Projects\1406-BRST\CAD\CONSTRUCTION\BRST-PP-3X-2011.dwg, SPP (P8), 6/4/2012 5:04:02 PM, \\1000sprint002new\300-M450C, BLACKIE ROAD SAFETY IMPROVEMENTS



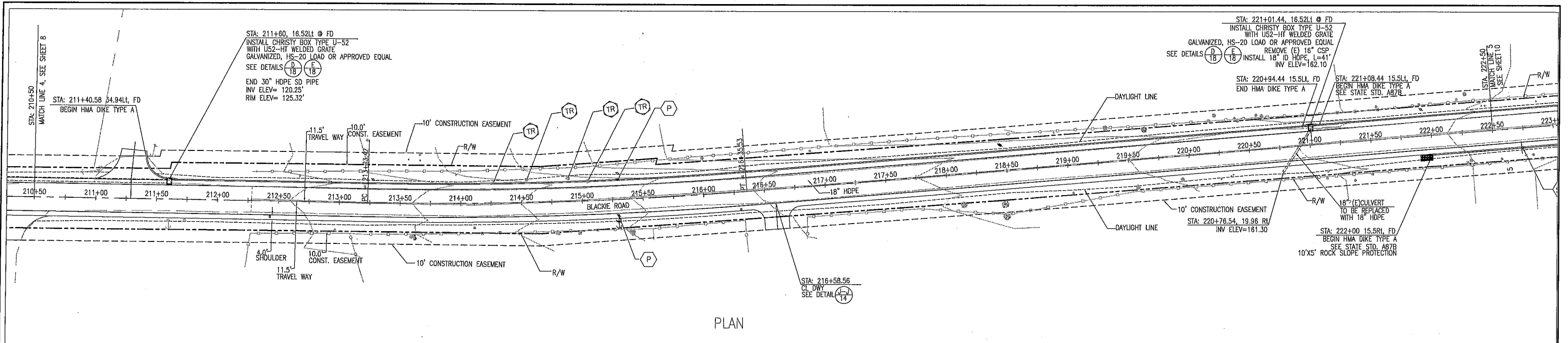
SUBMITTED BY, ARTURO A. ADLAWAN, P.E., SENIOR CIVIL ENGINEER
 DESIGN BY, BARNEY GUZMAN, PROJECT ENGINEER
 DRAWN BY, T. NYUNT/E. MORALES
 SPECIFICATIONS WRITTEN BY, BARNEY GUZMAN
 APPROVAL RECOMMENDED BY, PAUL, H. GREENWAY, P.E., ACTING DIRECTOR OF PUBLIC WORKS



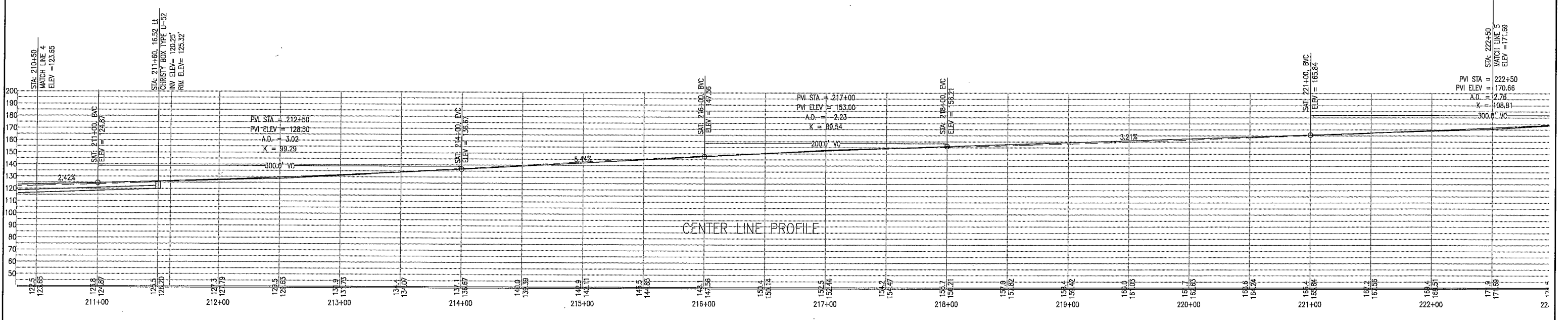
NO.	DATE	REVISION	APPROVED

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

BLACKIE ROAD SAFETY IMPROVEMENTS
 FROM MP 3.25 TO 4.6
 PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)
PLAN & PROFILE
 DATE: 04/20/2011
 SCALE: 1" = 40'
 SHEET: 8 OF 27
 RELATIVE BORDER SCALE: IN INCHES
 VIEW: SPP (P8)



PLAN



CENTER LINE PROFILE

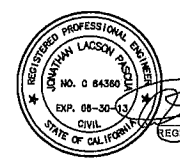
SUBMITTED BY: ARTURO A. ADLAWAN, P.E.
 SENIOR ENGINEER

DESIGN BY: BARNEY GUZMAN
 PROJECT ENGINEER

DRAWN BY: THANT NYUNT
 PROJECT ENGINEER

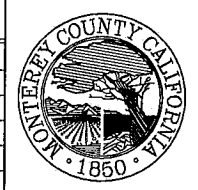
SPECIFICATIONS WRITTEN BY: BARNEY GUZMAN
 PROJECT ENGINEER

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



04-20-11
 DATE

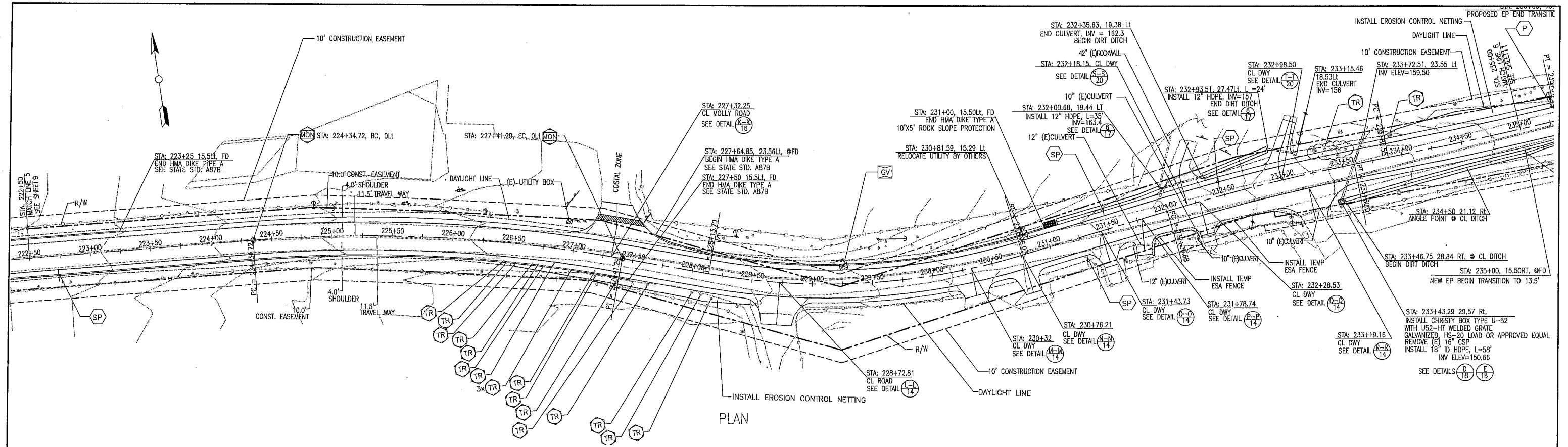
NO.	DATE	REVISION	APPROVED
▲			
▲			
▲			
▲			



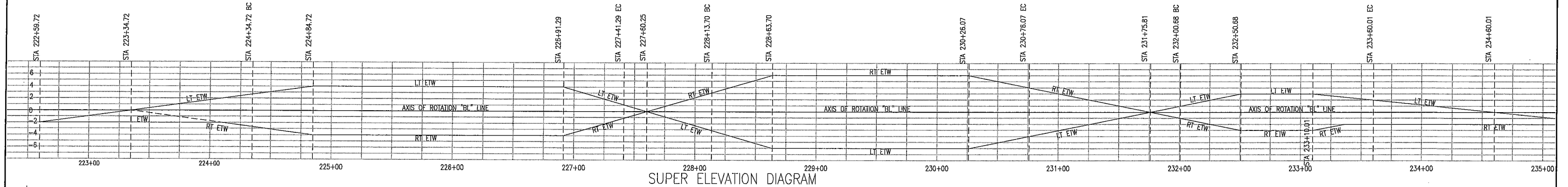
COUNTY OF MONTEREY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN SECTION

168 WEST ALISAL STREET, 2ND FLOOR
 SALINAS, CALIFORNIA 93901-2680
 (831) 755-4800/FAX (831) 755-4958

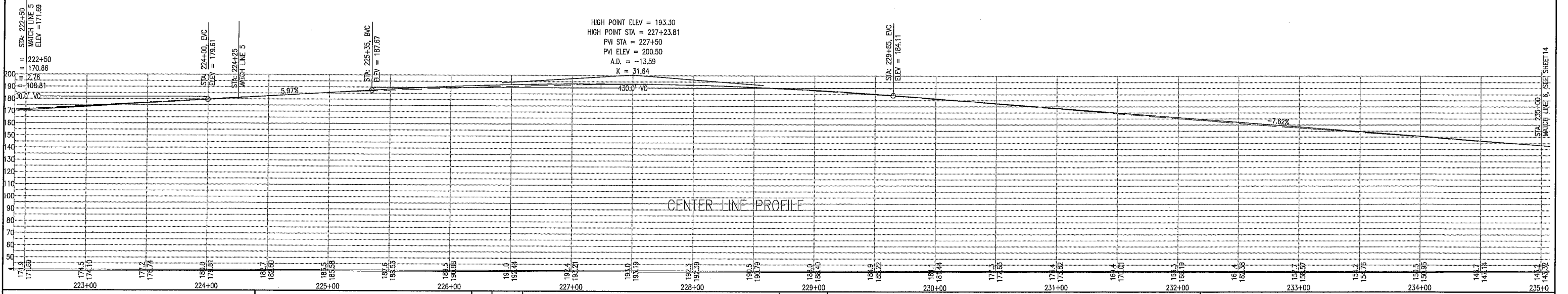
BLACKIE ROAD SAFETY IMPROVEMENTS FROM MP 3.25 TO 4.6 PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)		
PLAN & PROFILE		
DATE 04/20/2012	RELATIVE BORDER SCALE: IN INCHES 	SHEET 9
SCALE 1" = 40' (H), (V)	VIEW PROF 1	OF 27



PLAN



SUPER ELEVATION DIAGRAM



CENTER LINE PROFILE

SUBMITTED BY ARTURO A. ADLAWAN, P.E.
 SENIOR ENGINEER
 DESIGN BY BARNEY GUZMAN
 PROJECT ENGINEER
 DRAWN BY THANT NYUNT
 SPECIFICATIONS WRITTEN BY BARNEY GUZMAN
 APPROVAL RECOMMENDED BY PAUL H. GREENWAY, P.E.
 ACTING DIRECTOR OF PUBLIC WORKS

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

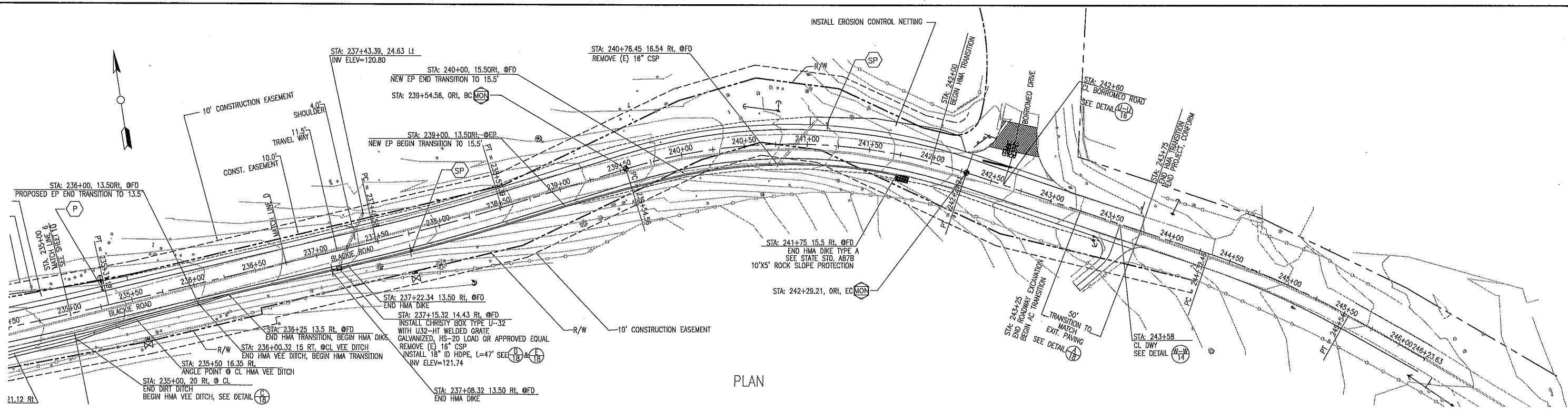
REGISTERED PROFESSIONAL ENGINEER
 JONATHAN LACSON
 NO. C 84300
 EXP. 06-30-11
 CIVIL
 STATE OF CALIFORNIA
 REGISTERED CIVIL ENGINEER
 DATE 04-20-11

NO.	DATE	REVISION	APPROVED
▲			
▲			
▲			
▲			

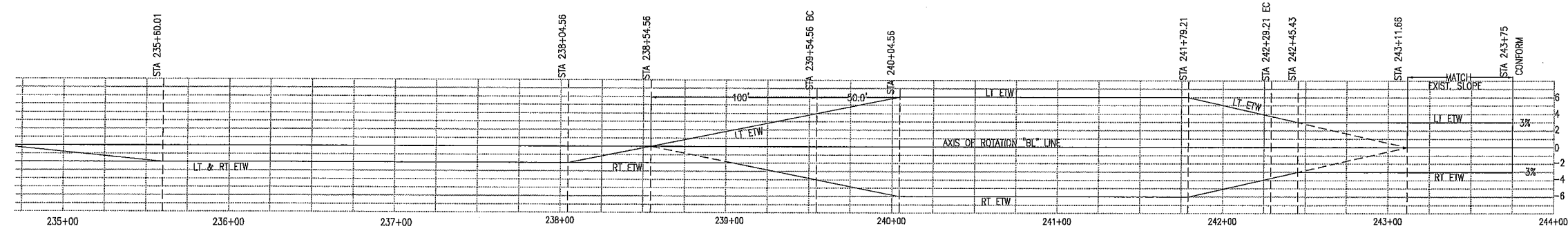
COUNTY OF MONTEREY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN SECTION
 168 WEST ALISAL STREET, 2ND FLOOR
 SALINAS, CALIFORNIA 93901-2680
 (831) 755-4800/FAX (831) 755-4958

BLACKIE ROAD SAFETY IMPROVEMENTS
 FROM MP 3.25 TO 4.6
 PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)
 PLAN & PROFILE

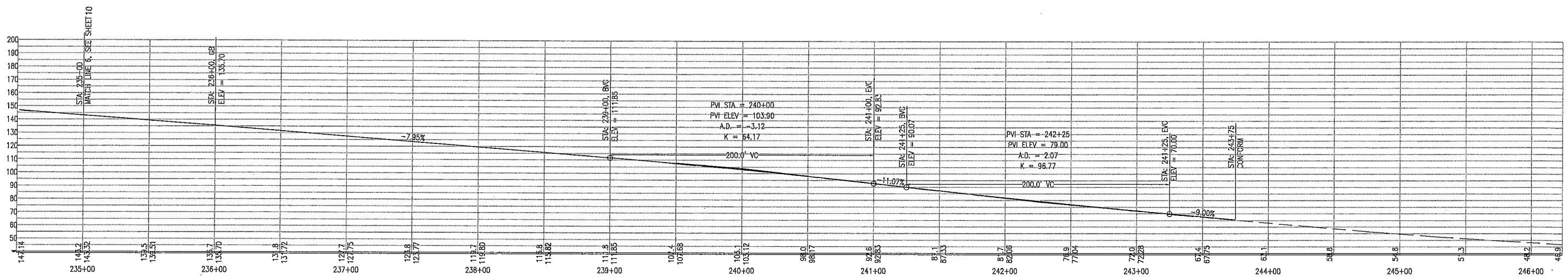
DATE 04/20/2012	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET 10
SCALE 1" = 40' (H), (V)	VIEW PROF 2	OF 27



PLAN

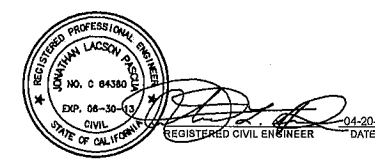


SUPER ELEVATION DIAGRAM



CENTER LINE PROFILE

SUBMITTED BY ARTURO A. ADLAWAN, P.E. SENIOR ENGINEER
 DESIGN BY BARNEY GUZMAN PROJECT ENGINEER
 DRAWN BY THANT NYUNT
 SPECIFICATIONS WRITTEN BY BARNEY GUZMAN
 APPROVAL RECOMMENDED BY PAUL H. GREENWAY, P.E. ACTING DIRECTOR OF PUBLIC WORKS



NO.	DATE	REVISION	APPROVED
▲			
▲			
▲			
▲			

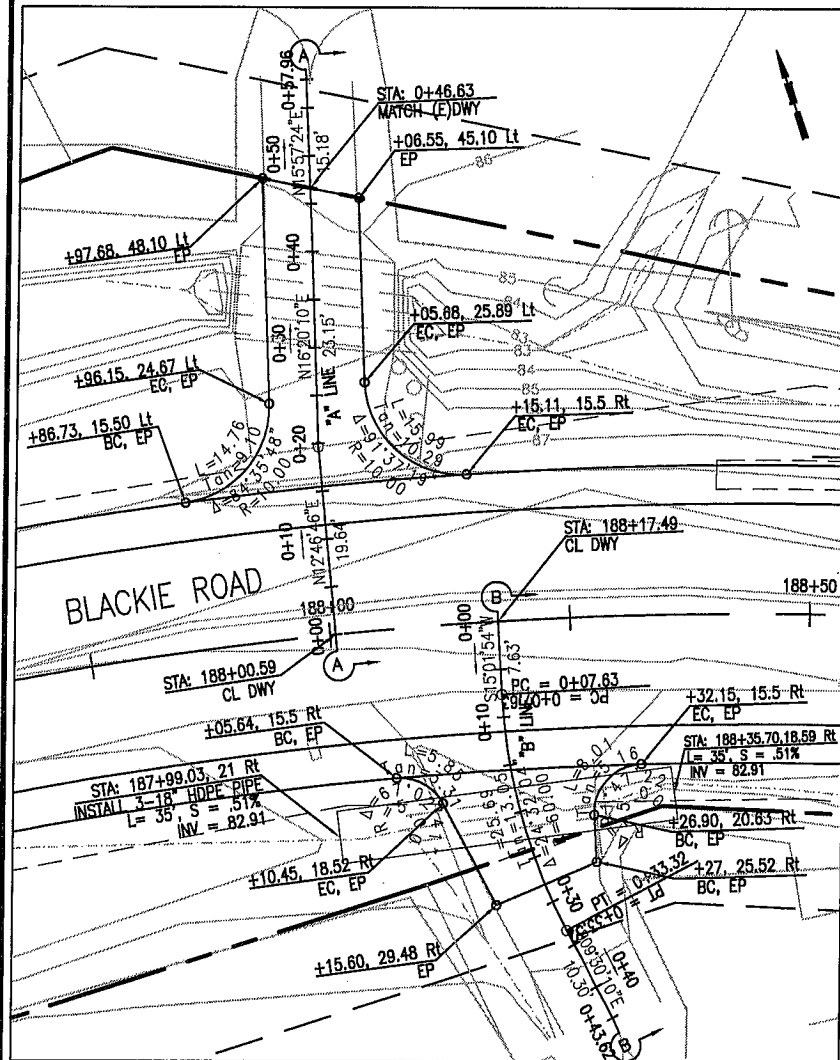


COUNTY OF MONTEREY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN SECTION
 168 WEST ALISAL STREET, 2ND FLOOR
 SALINAS, CALIFORNIA 93901-2680
 (831) 755-4800/FAX (831) 755-4958

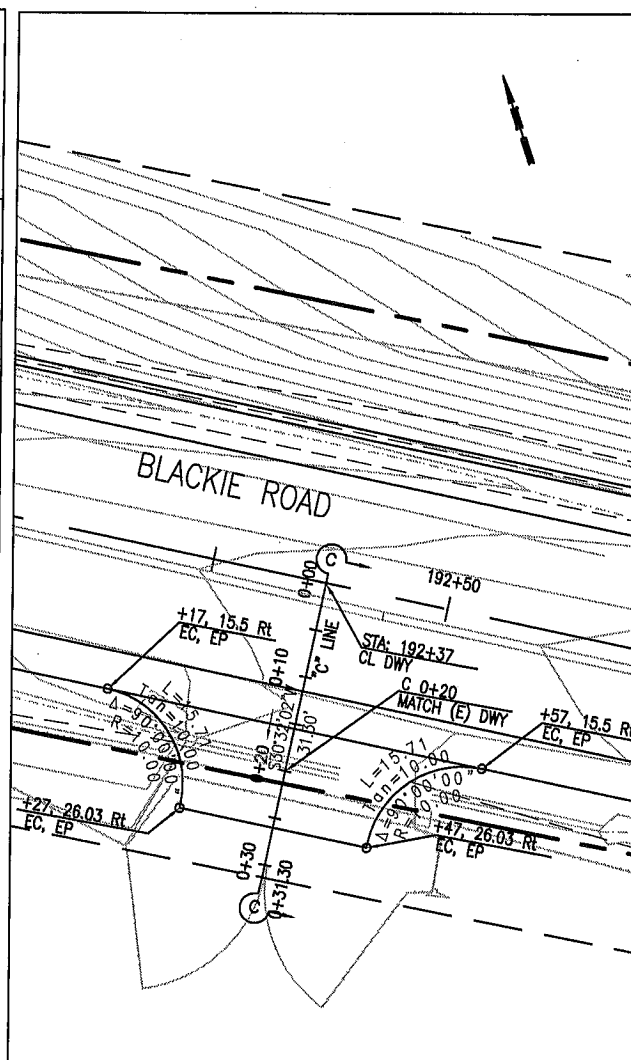
BLACKIE ROAD SAFETY IMPROVEMENTS
 FROM MP 3.25 TO 4.6
 PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)

PLAN & PROFILE

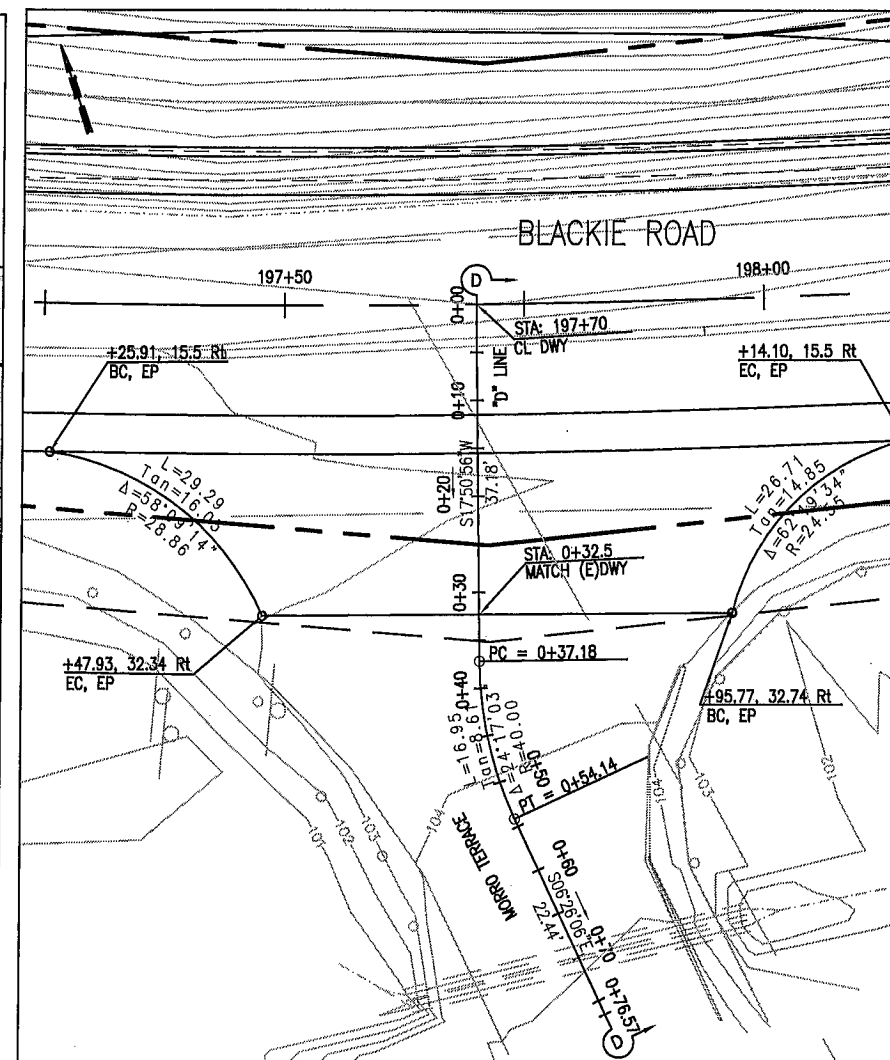
DATE 04/20/2012	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET 11
SCALE 1" = 40' (H), (V)	VIEW PROF 3	OF 27



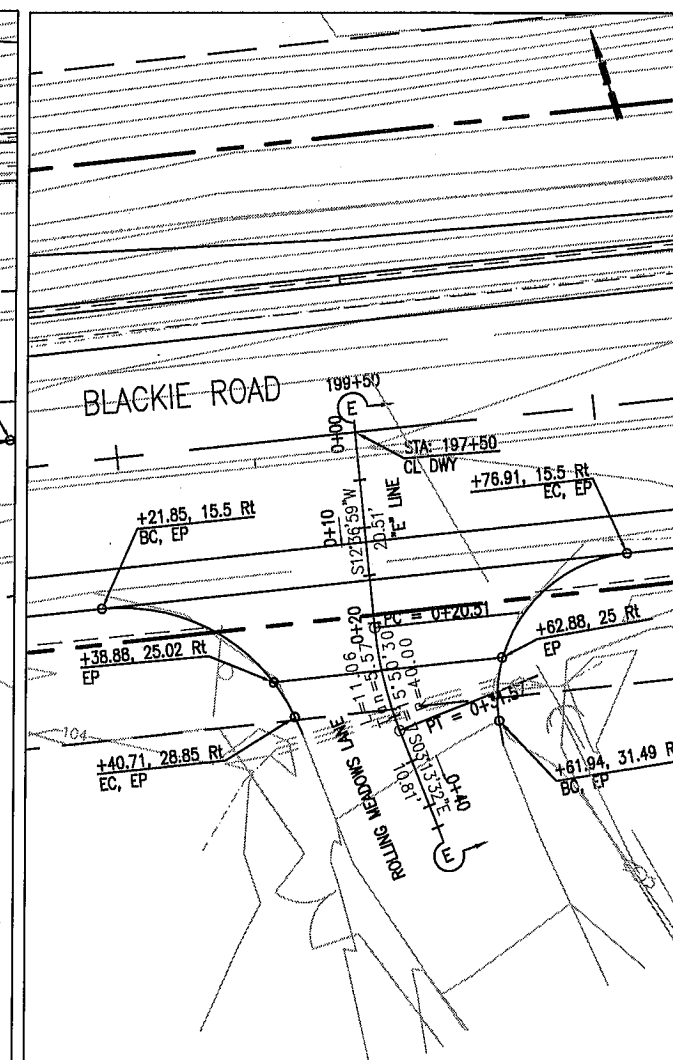
PLAN



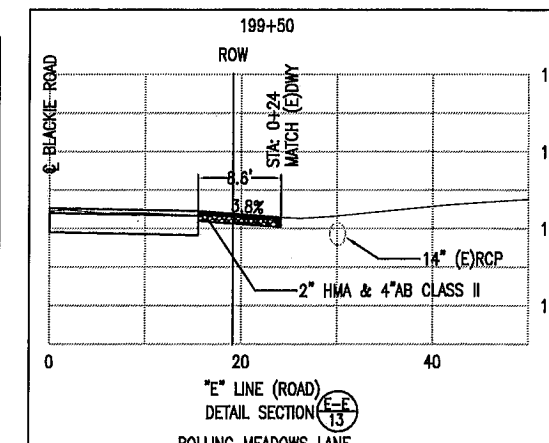
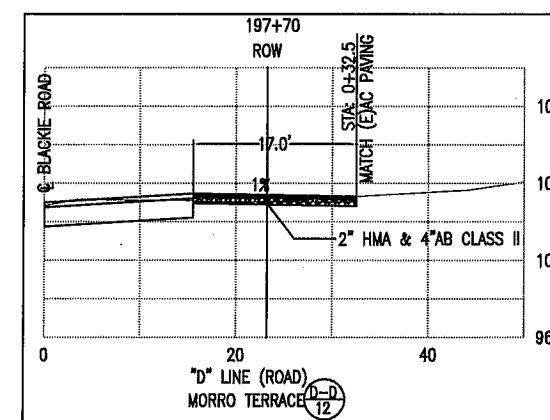
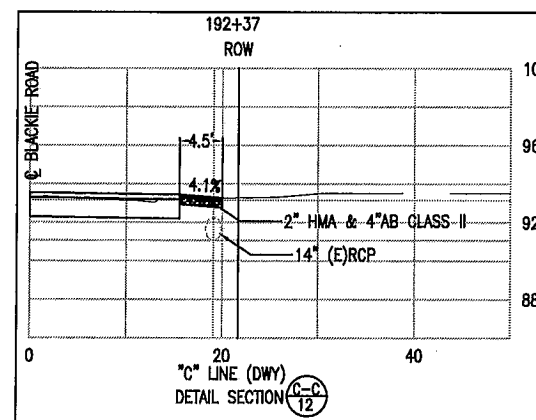
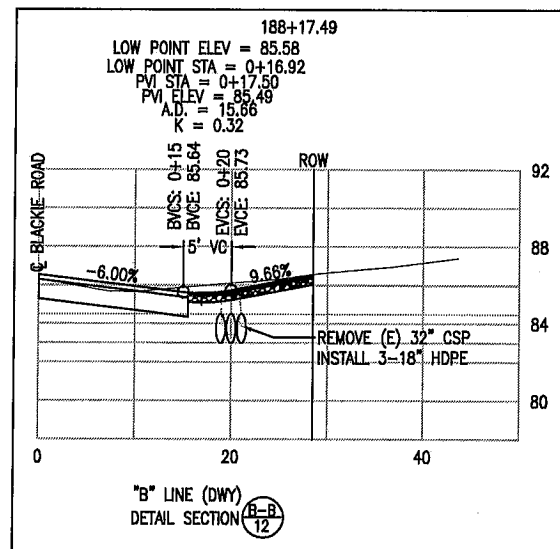
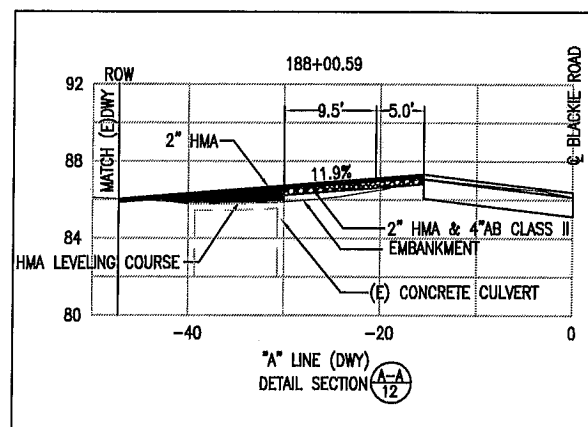
PLAN



PLAN



PLAN



SUBMITTED BY ARTURO A. ADLAWAN, P.E.
SENIOR ENGINEER

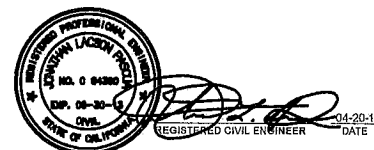
DESIGN BY BARNEY GUZMAN
PROJECT ENGINEER

DRAWN BY THANT NYUNT

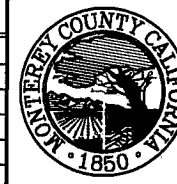
SPECIFICATIONS WRITTEN BY BARNEY GUZMAN

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

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



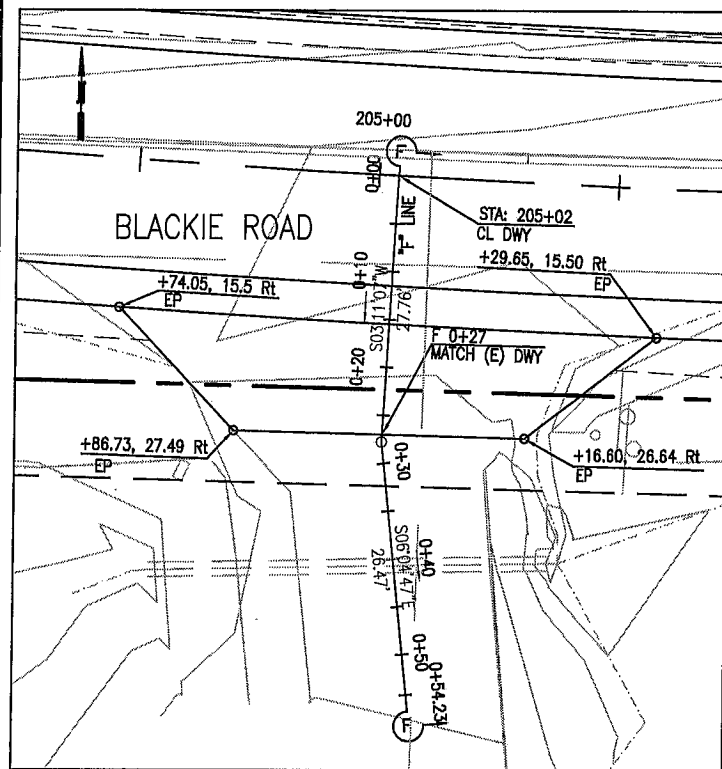
NO.	DATE	REVISION	APPROVED
▲			
▲			
▲			
▲			



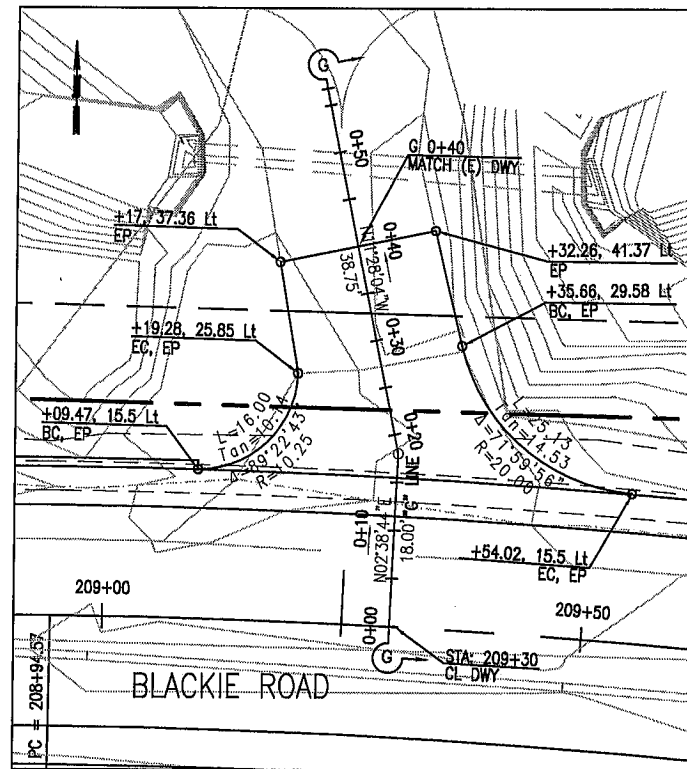
COUNTY OF MONTEREY
DEPARTMENT OF PUBLIC WORKS
DESIGN SECTION

168 WEST ALISAL STREET, 2ND FLOOR
SALINAS, CALIFORNIA 93901-2680
(831) 755-4800/FAX (831) 755-4958

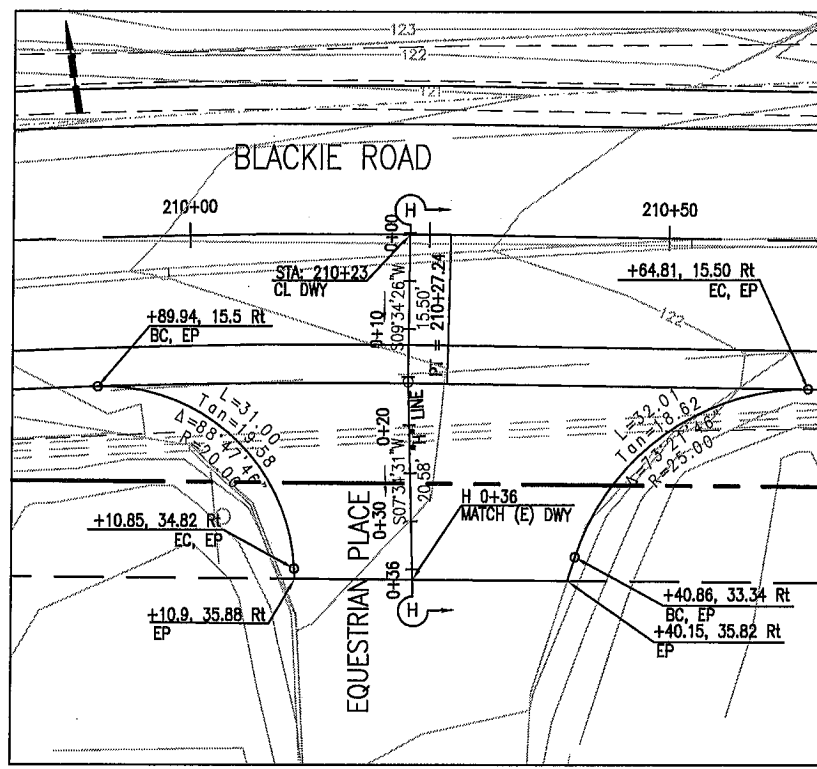
BLACKIE ROAD SAFETY IMPROVEMENTS FROM MP 3.25 TO 4.6 PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)			
CONSTRUCTION DETAILS			
DATE 04/20/2011	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET 12	
SCALE 1":20' (H), 1:10'(V)	VIEW SHEET 12	OF 27	



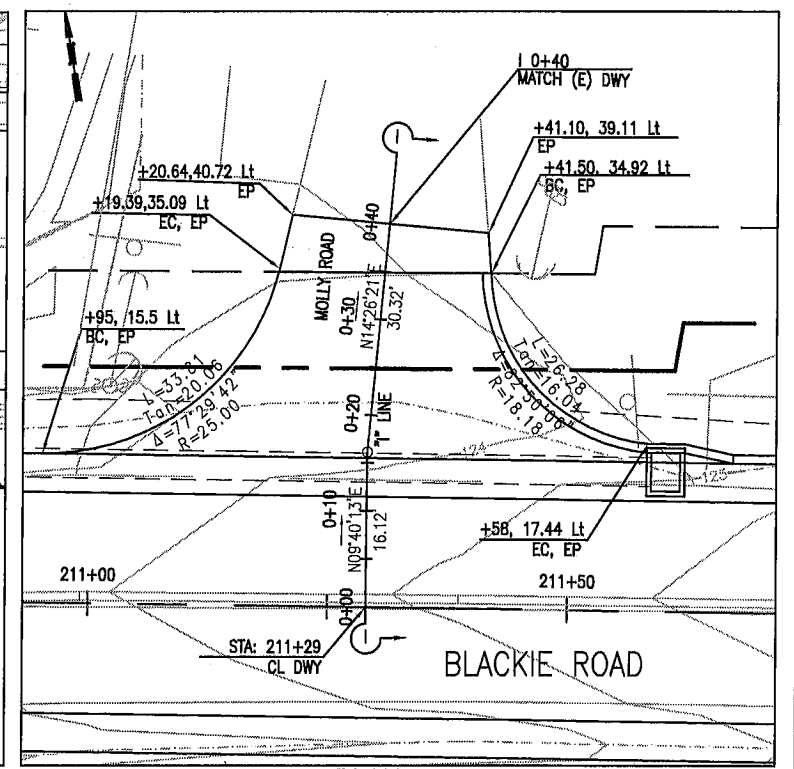
PLAN



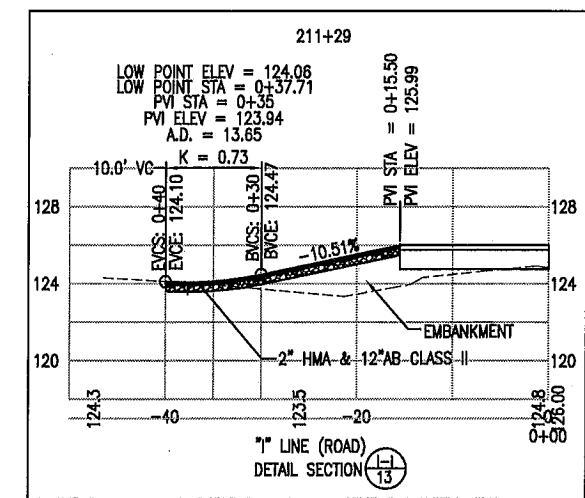
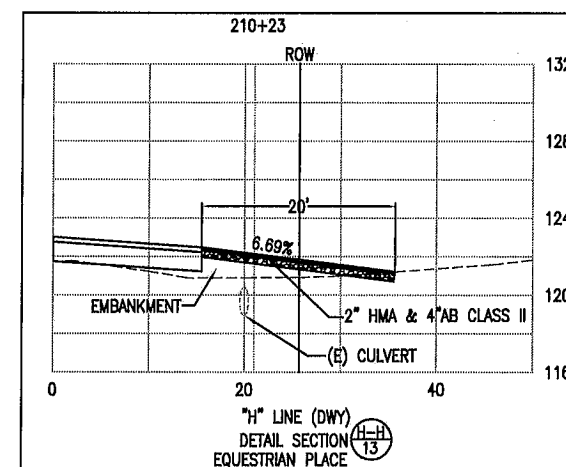
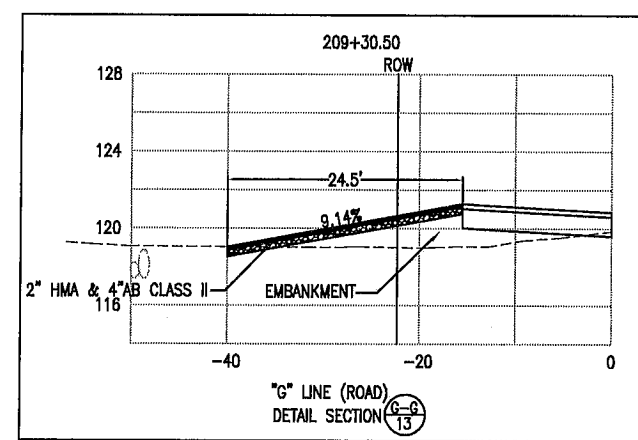
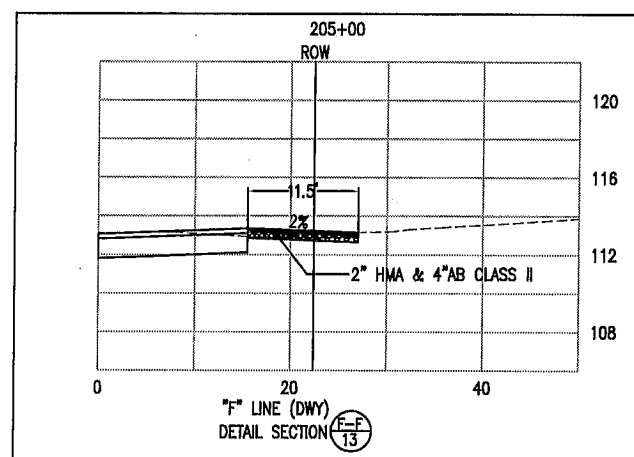
PLAN



PLAN



PLAN



SUBMITTED BY ARTURO A. ADLAWAN, P.E.
SENIOR ENGINEER

DESIGN BY BARNEY GUZMAN
PROJECT ENGINEER

DRAWN BY THANT NYUNT

SPECIFICATIONS WRITTEN BY BARNEY GUZMAN

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



REGISTERED CIVIL ENGINEER
DATE 04-20-11

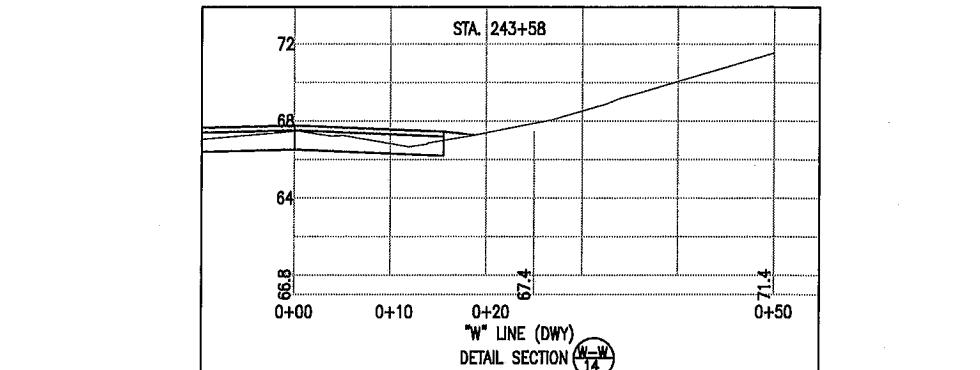
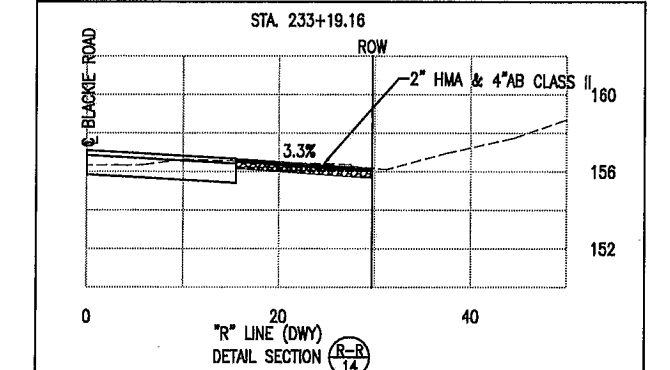
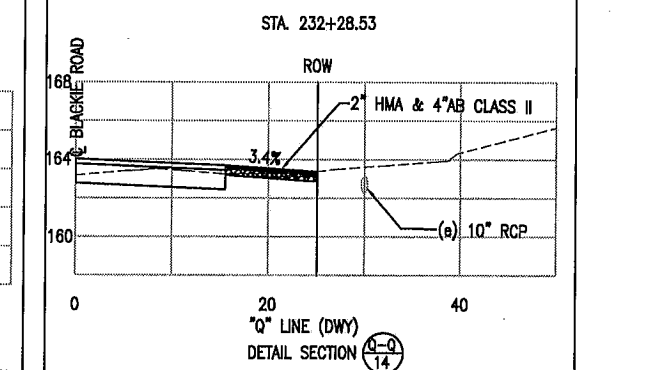
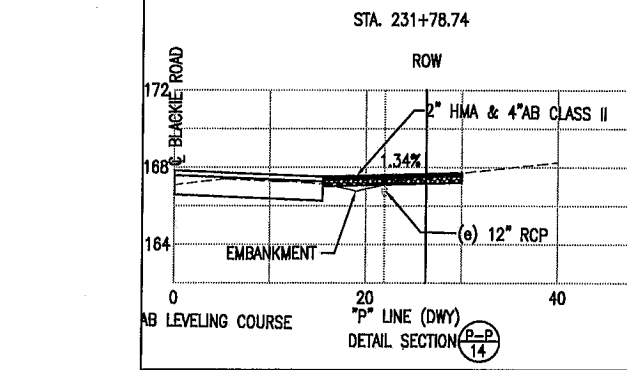
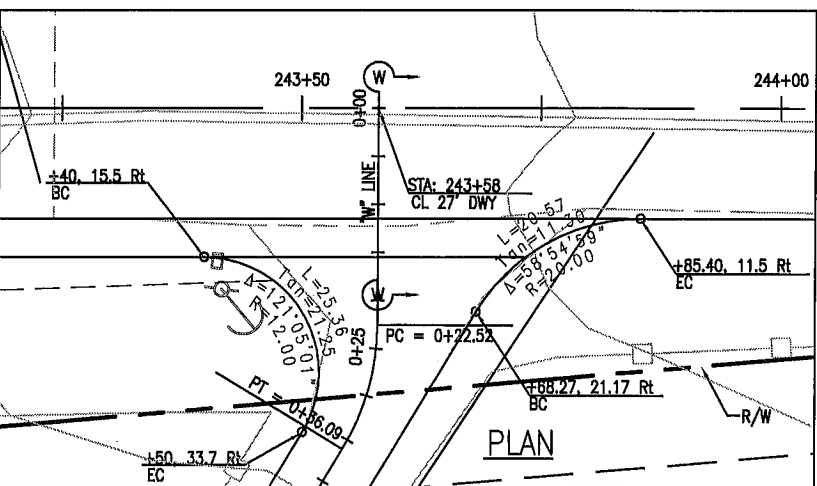
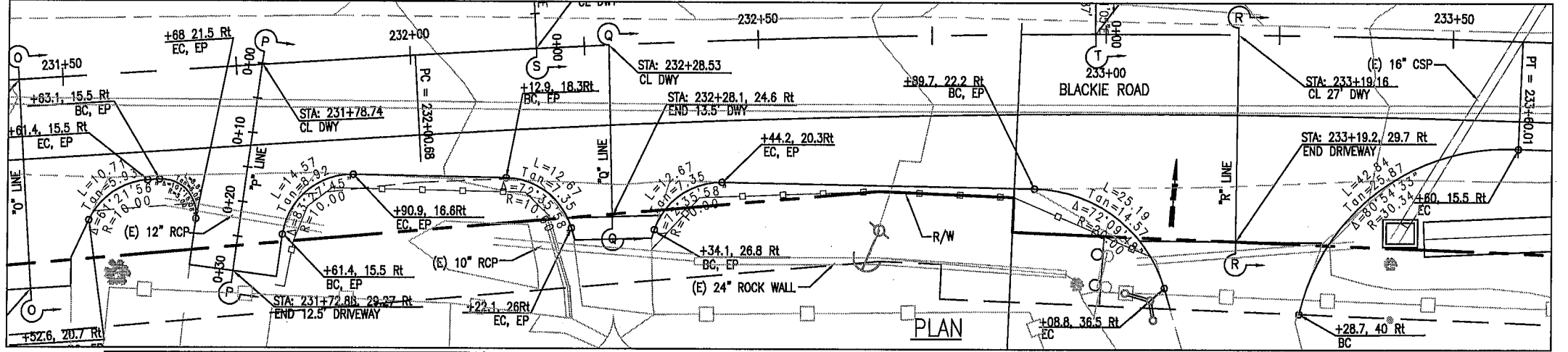
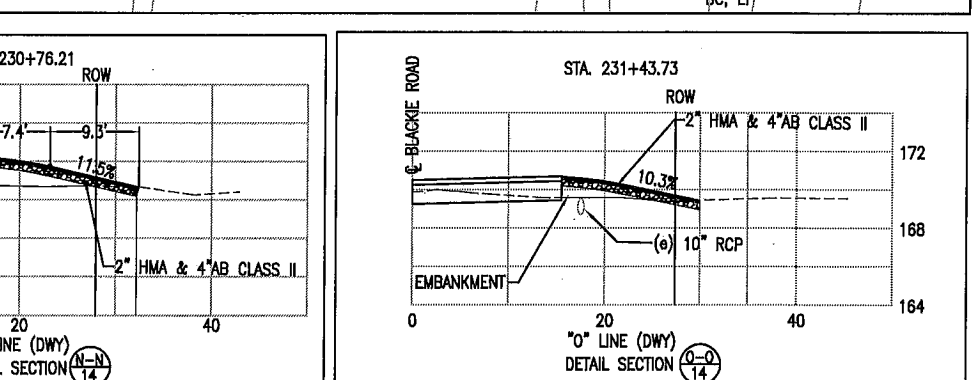
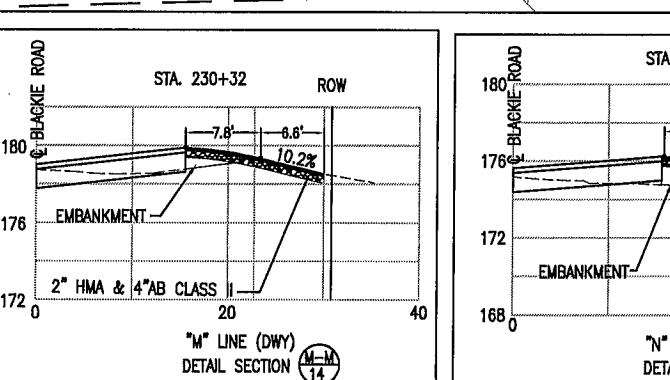
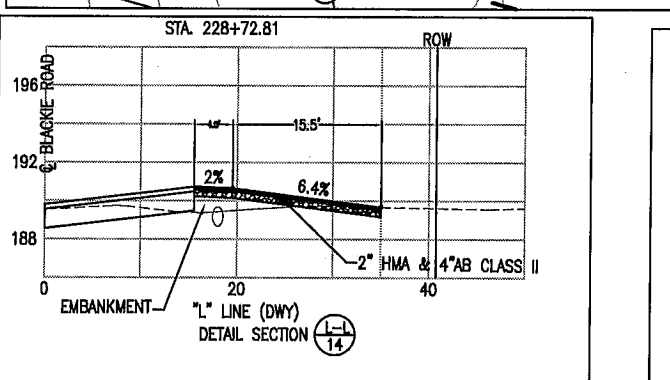
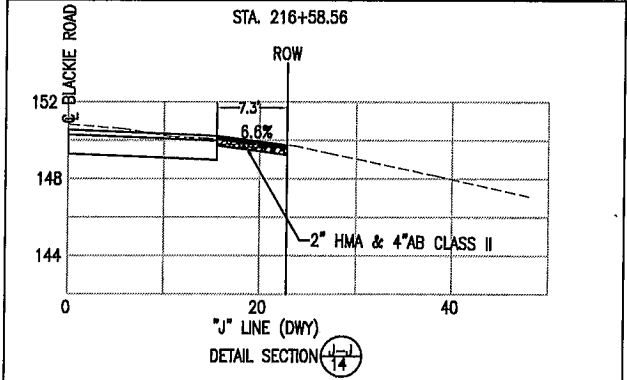
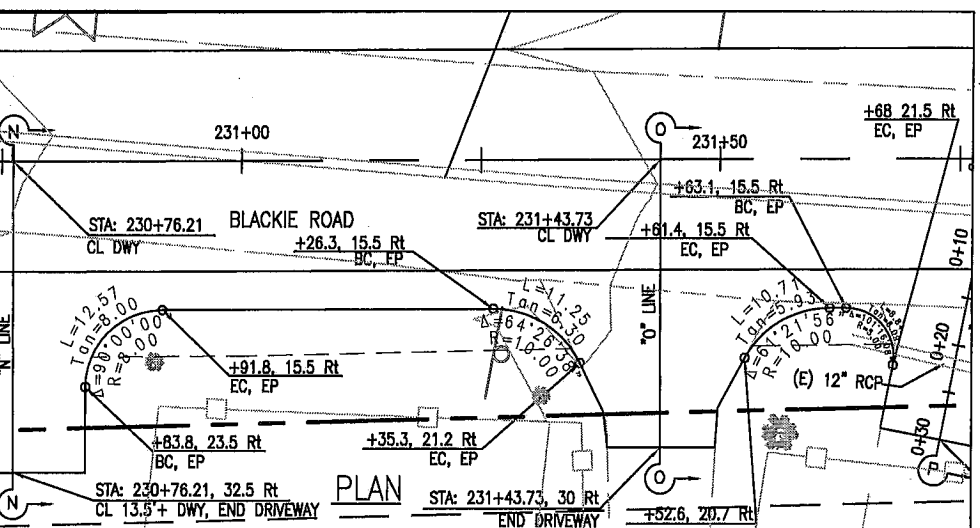
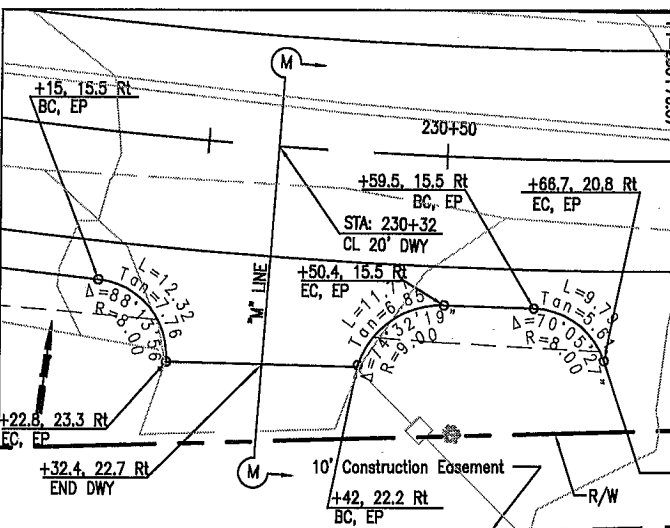
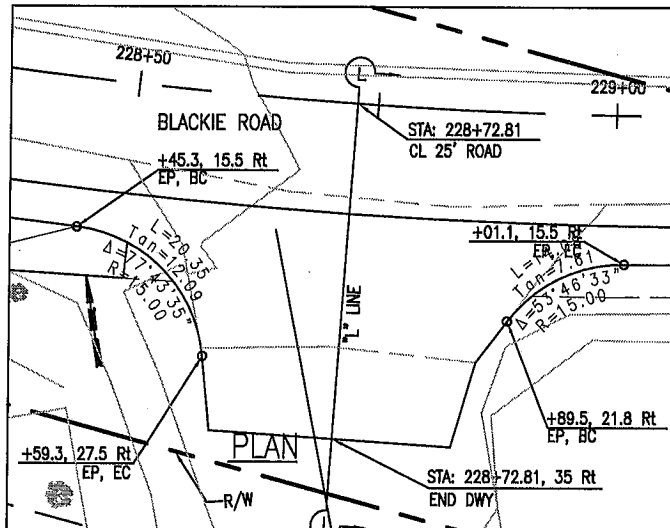
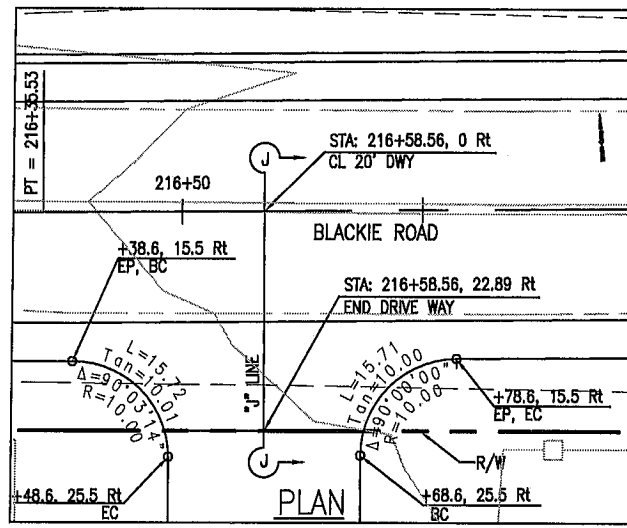
NO.	DATE	REVISION	APPROVED
▲			
▲			
▲			
▲			



COUNTY OF MONTEREY
DEPARTMENT OF PUBLIC WORKS
DESIGN SECTION

168 WEST ALISAL STREET, 2ND FLOOR
SALINAS, CALIFORNIA 93901-2680
(831) 755-4800/FAX (831) 755-4958

BLACKIE ROAD SAFETY IMPROVEMENTS FROM MP 3.25 TO 4.6 PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)		
CONSTRUCTION DETAILS		
DATE 04/20/2011	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET 13
SCALE 1":20' (H), 1:10'(V)	VIEW SHEET 13	OF 27



SUBMITTED BY: ARTURO A. ADLAWAN, P.E. SENIOR ENGINEER
 DESIGN BY: BARNEY GUZMAN PROJECT ENGINEER
 DRAWN BY: THANT NYUNT
 SPECIFICATIONS WRITTEN BY: BARNEY GUZMAN
 APPROVAL RECOMMENDED BY: PAUL H. GREENWAY, P.E. ACTING DIRECTOR OF PUBLIC WORKS

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



NO.	DATE	REVISION	APPROVED
▲			
▲			
▲			
▲			



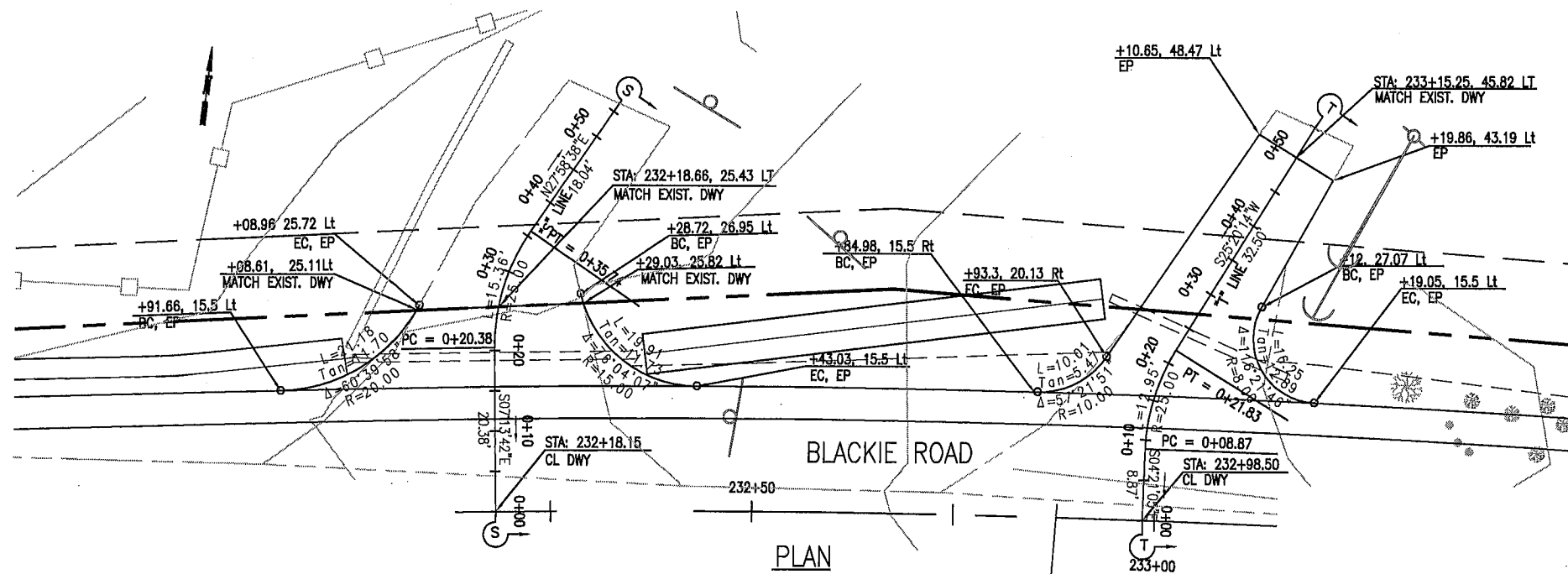
COUNTY OF MONTEREY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN SECTION
 168 WEST ALISAL STREET, 2ND FLOOR
 SALINAS, CALIFORNIA 93901-2680
 (831) 755-4800/FAX (831) 755-4958

BLACKIE ROAD SAFETY IMPROVEMENTS
 FROM MP 3.25 TO 4.6
 PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)

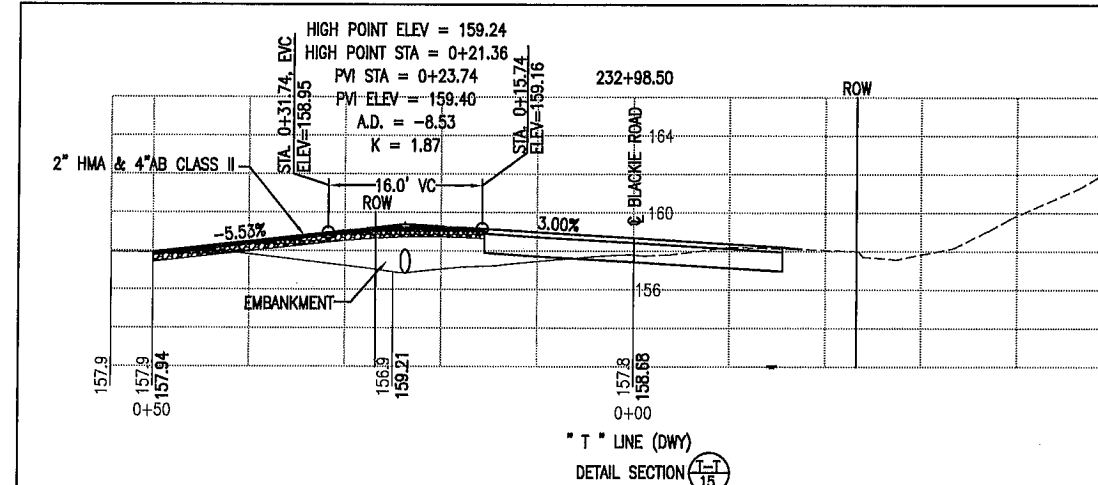
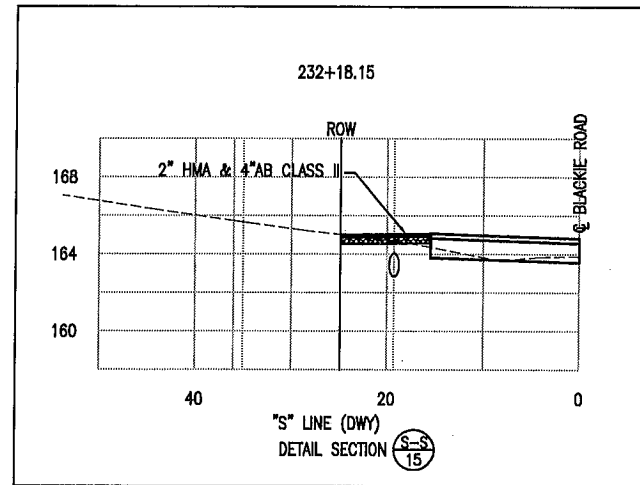
CONSTRUCTION DETAILS

DATE: 04/20/2011
 SCALE: 1"=20' (H), 1:10(V)
 RELATIVE BORDER SCALE: IN INCHES
 VIEW: SHEET 14

SHEET 14 OF 27



PLAN



SUBMITTED BY ARTURO A. ADLAWAN, P.E.
SENIOR ENGINEER

DESIGN BY BARNEY GUZMAN
PROJECT ENGINEER

DRAWN BY THANT NYUNT

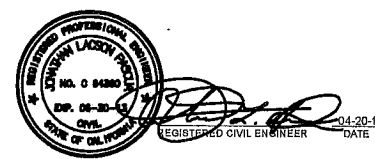
SPECIFICATIONS WRITTEN BY BARNEY GUZMAN

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

CHKD BY A.A./J.P.

CHKD BY B.G./J.P.

CHKD BY A.A./J.P.



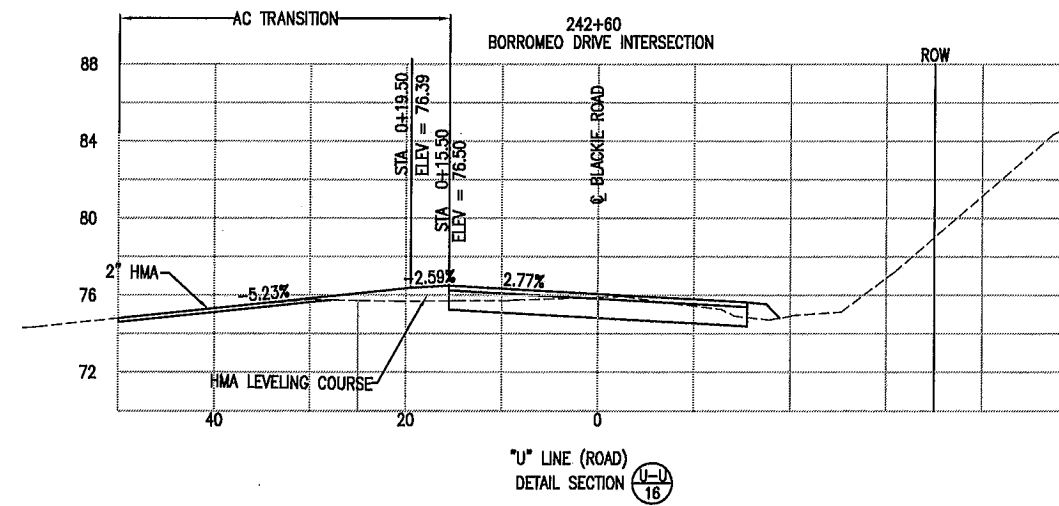
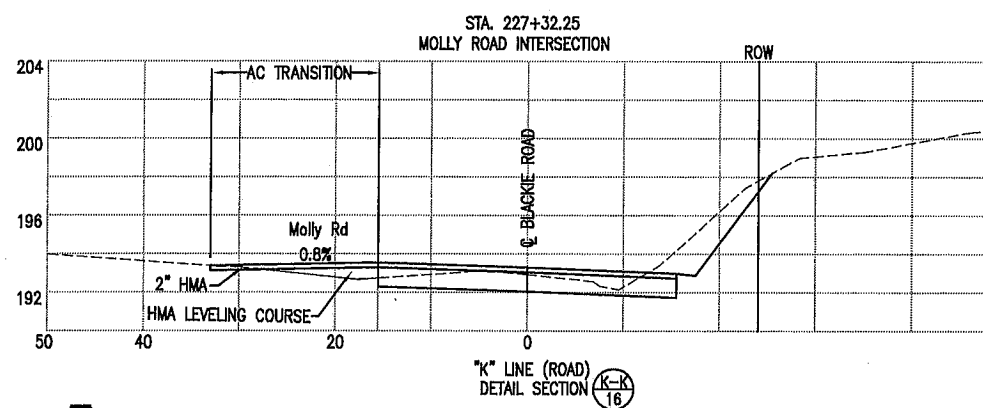
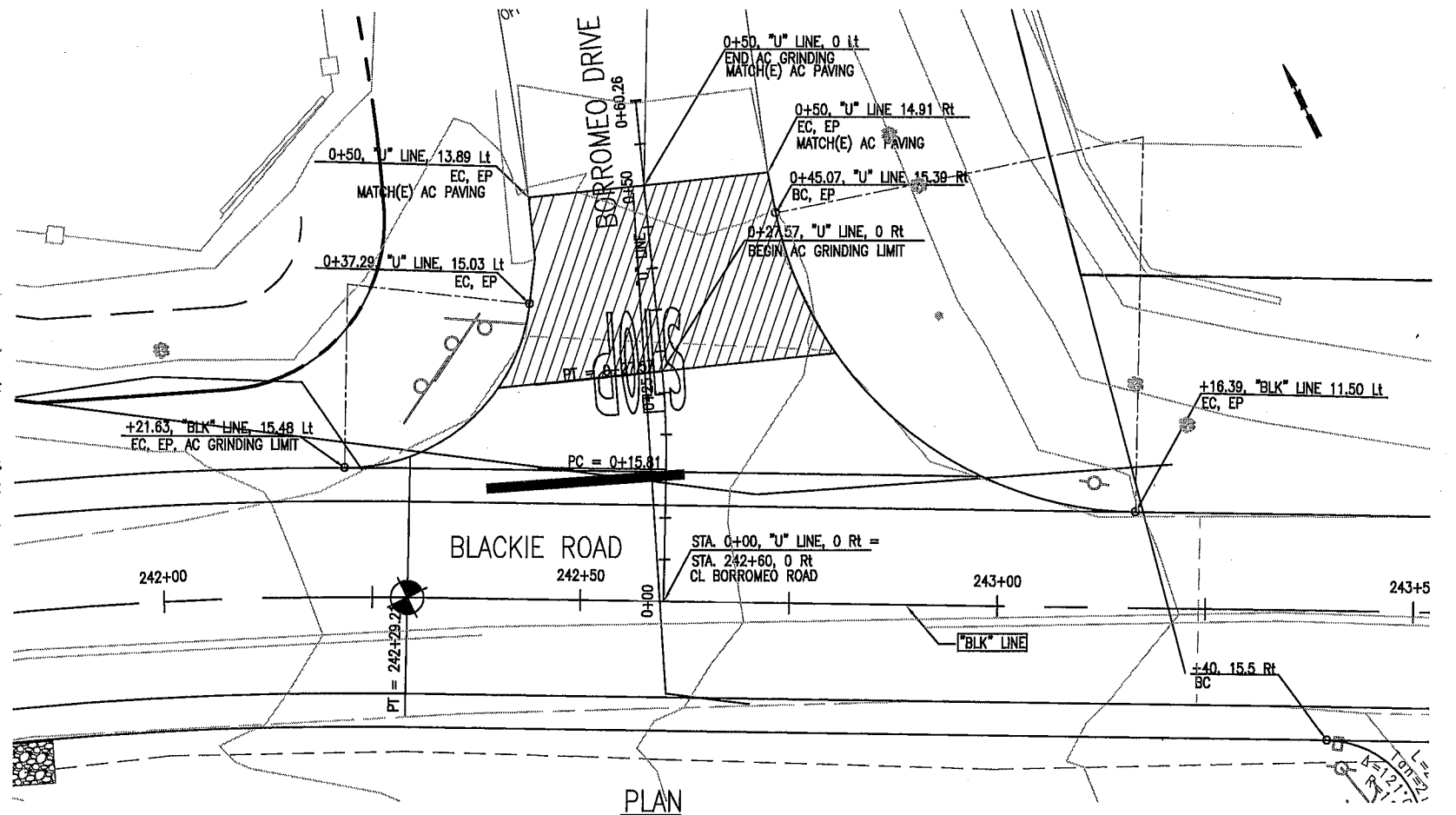
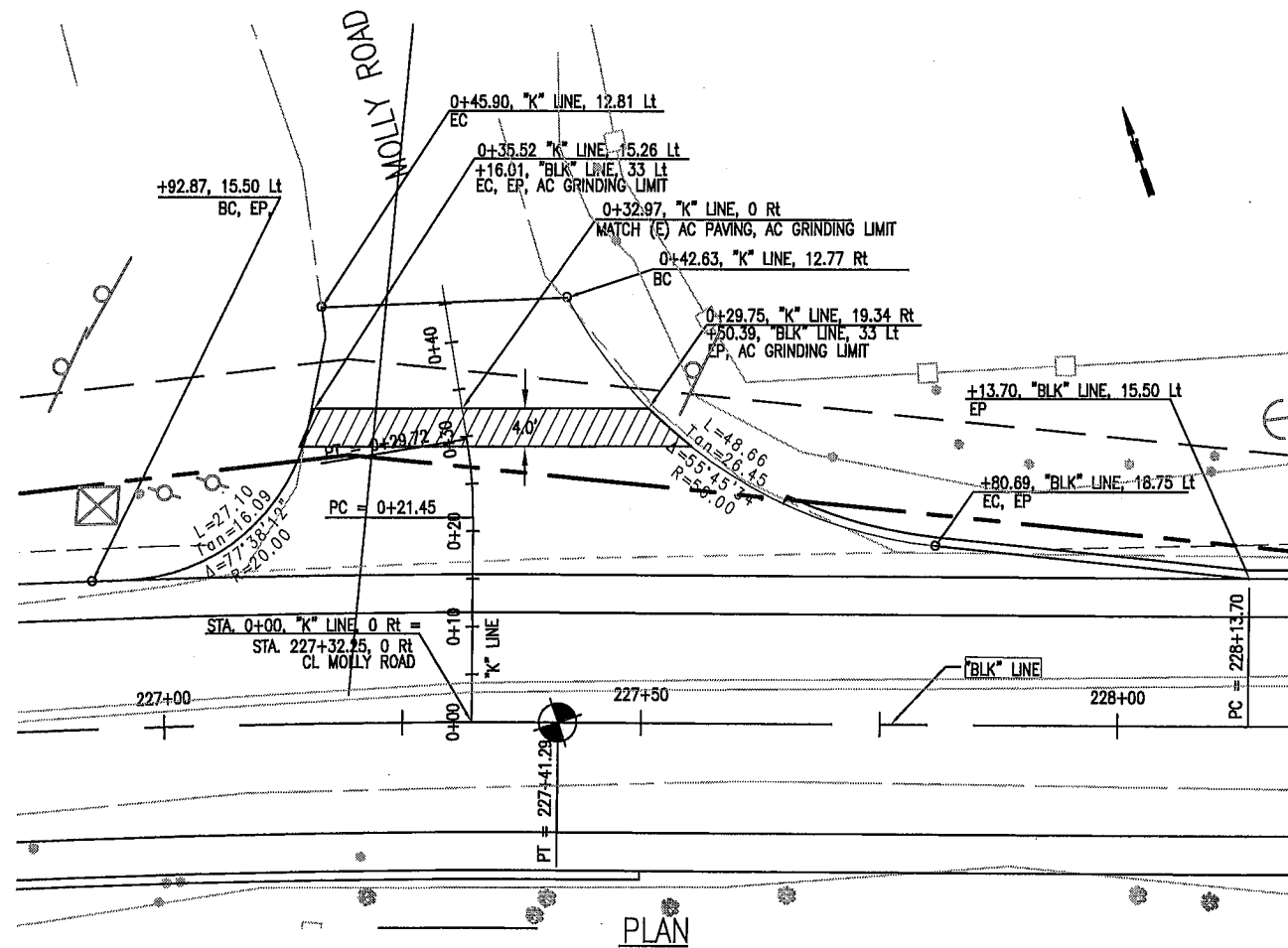
NO.	DATE	REVISION	APPROVED
▲			
▲			
▲			
▲			
▲			



COUNTY OF MONTEREY
DEPARTMENT OF PUBLIC WORKS
DESIGN SECTION

168 WEST ALISAL STREET, 2ND FLOOR
SALINAS, CALIFORNIA 93901-2680
(831) 755-4800/FAX (831) 755-4958

BLACKIE ROAD SAFETY IMPROVEMENTS FROM MP 3.25 TO 4.6 PROJECT NO. HRRRL-5944(088), HRRRL-5944(091)		
CONSTRUCTION DETAILS		
DATE 04/20/2011	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET 15
SCALE 1":20' (H), 1:10'(V)	VIEW SHEET 15	OF 27



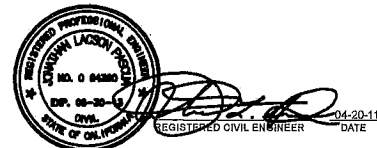
SUBMITTED BY ARTURO A. ADLAWAN, P.E.
SENIOR ENGINEER

DESIGN BY BARNEY GUZMAN
PROJECT ENGINEER

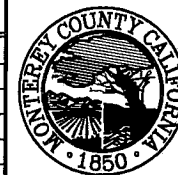
DRAWN BY THANT NYUNT

SPECIFICATIONS WRITTEN BY BARNEY GUZMAN

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



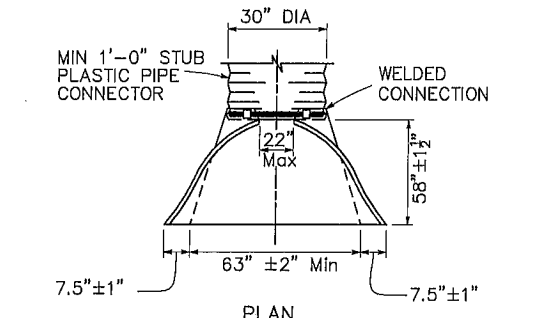
NO.	DATE	REVISION	APPROVED
▲			
▲			
▲			
▲			
▲			



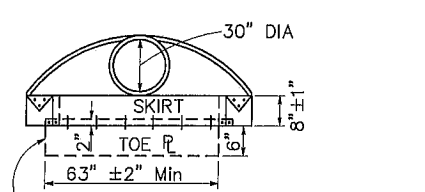
COUNTY OF MONTEREY
DEPARTMENT OF PUBLIC WORKS
DESIGN SECTION

168 WEST ALISAL STREET, 2ND FLOOR
SALINAS, CALIFORNIA 93901-2680
(831) 755-4800/FAX (831) 755-4958

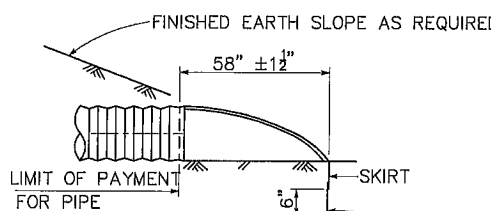
BLACKIE ROAD SAFETY IMPROVEMENTS FROM MP 3.25 TO 4.6 PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)		
CONSTRUCTION DETAILS		
DATE 04/20/2011	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET 16
SCALE 1":20' (H), 1:10(V)	VIEW SHEET 16	OF 27



PLAN
CIRCULAR PIPE, 30" DIA, END SECTION THICKNESS 0.079"

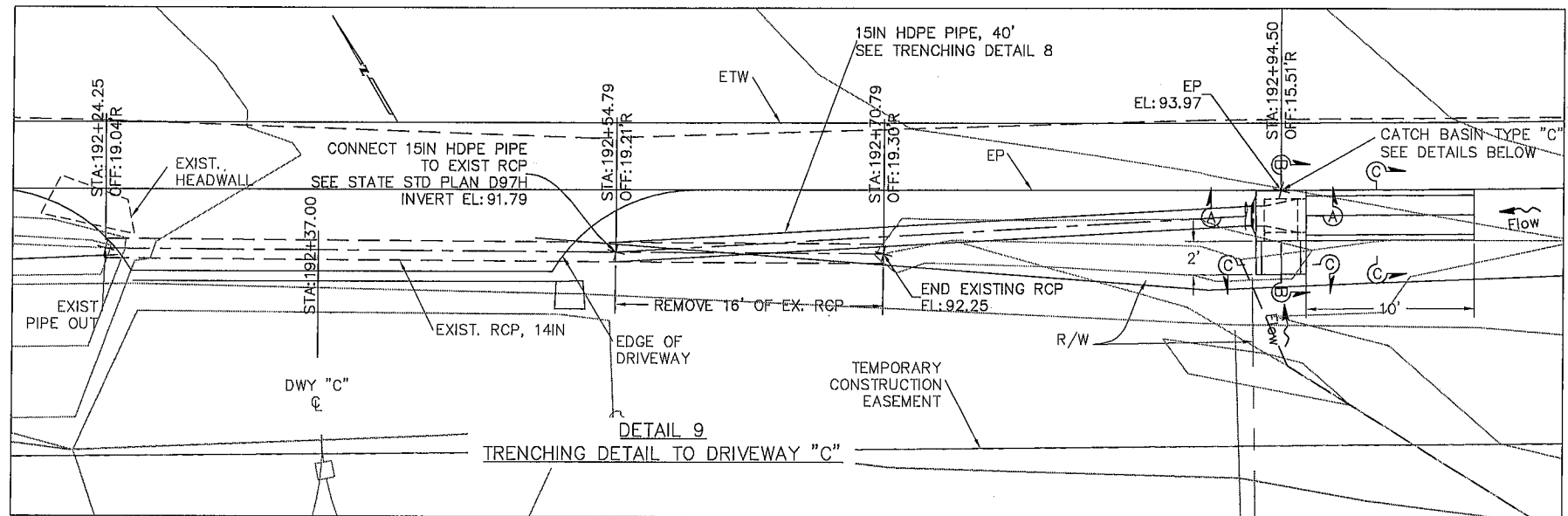


ELEVATION
TOE P SHALL BE SECURELY ATTACHED TO THE SKIRT.

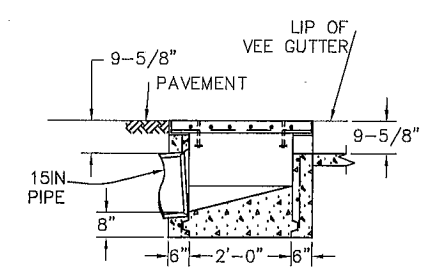


TYPICAL CROSS-SECTION
TOE PLATE IF REQUIRED BY SPECIAL PROVISIONS OR STANDARD SPECIFICATIONS.

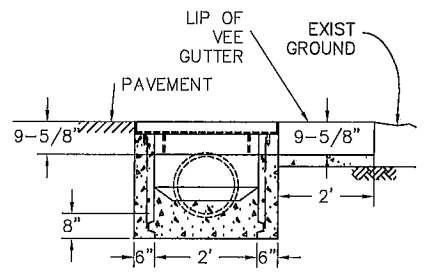
DETAIL 6
PLASTIC FLARED END SECTION
ADVANCED DRAINAGE SYSTEMS, INC. ("ADS")



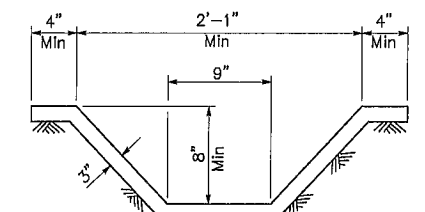
DETAIL 9
TRENCHING DETAIL TO DRIVEWAY "C"



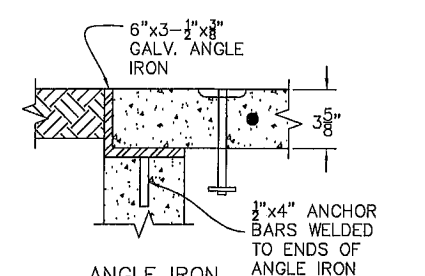
SECTION A-A
CATCH BASIN TYPE "C"
NTS



SECTION B-B
CATCH BASIN TYPE "C"
NTS

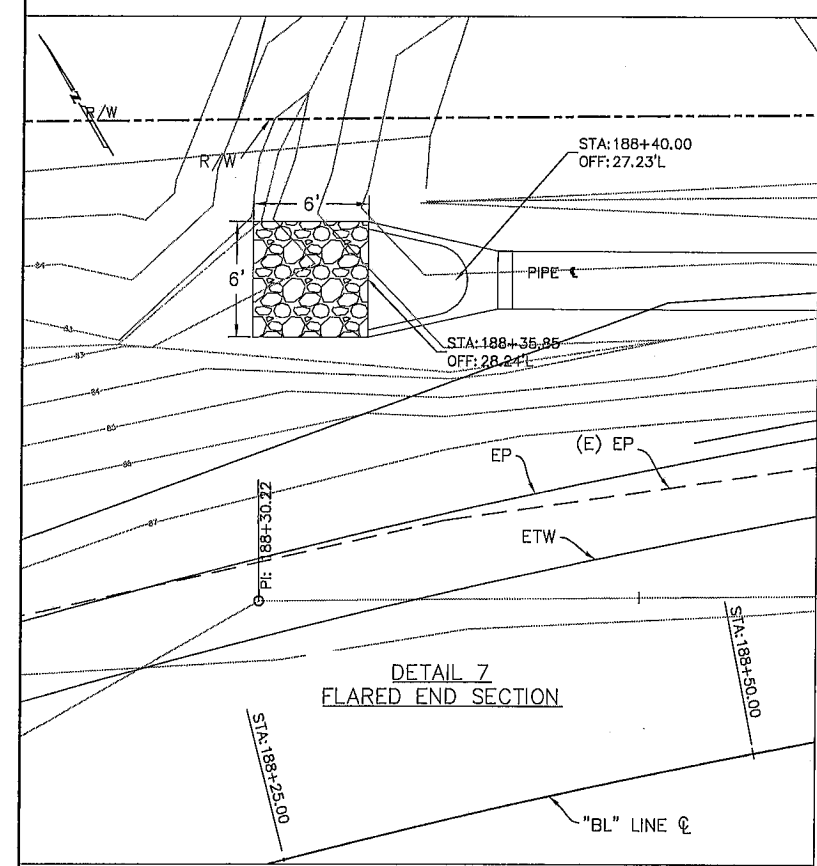


SECTION C-C
See Note 1

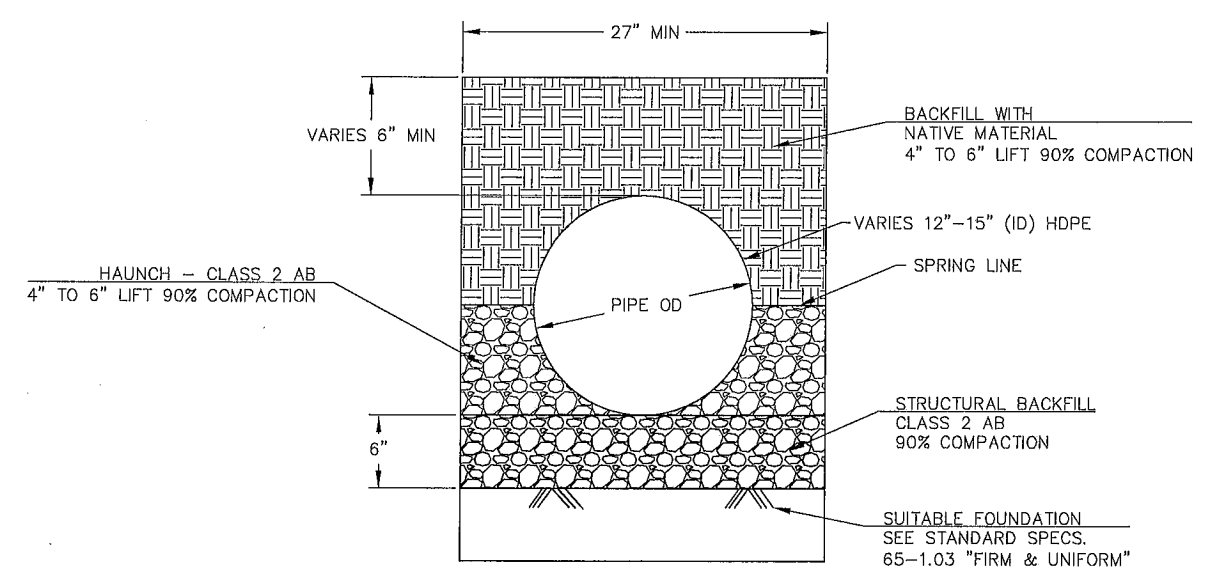


ANGLE IRON
PLACEMENT DETAIL

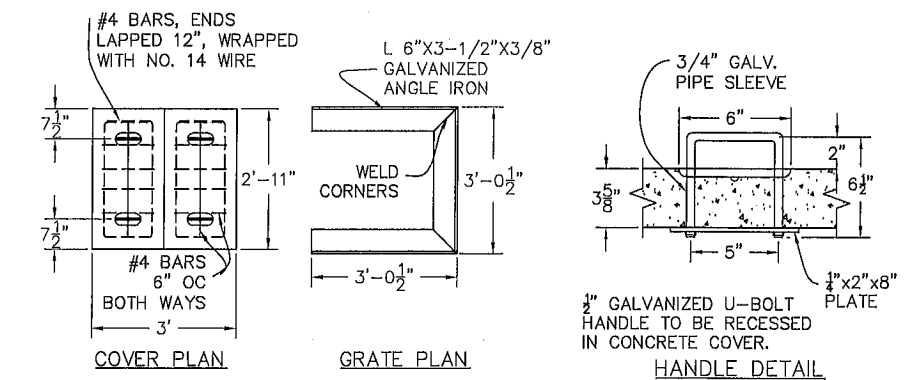
NOTE:
1. CROSS SECTION OF SLOPE DITCH MAY BE SEMICIRCULAR, VEE OR TRAPEZOIDAL.



DETAIL 7
FLARED END SECTION



DETAIL 8
TRENCHING DETAIL



COVER PLAN
1. COVER TO BE MADE IN TWO SECTIONS

GRATE PLAN

HANDLE DETAIL

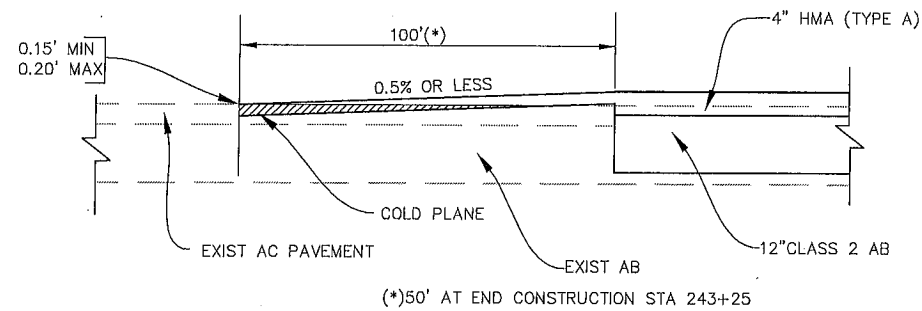
SUBMITTED BY, ARTURO A. ADLAWAN, P.E.
DESIGN BY, BARNEY GUZMAN
DRAWN BY, T. NYUNT/F. MORALES
SPECIFICATIONS WRITTEN BY, BARNEY GUZMAN
APPROVAL RECOMMENDED BY, PAUL H. GREENWAY, P.E.

CHKD BY .A.A./J.P.
CHKD BY .B.G./J.P.
CHKD BY .A.A./J.P.
REGISTERED PROFESSIONAL ENGINEER
NO. 0 84360
EXP. 06-30-12
CIVIL
STATE OF CALIFORNIA
24-20-2011
DATE

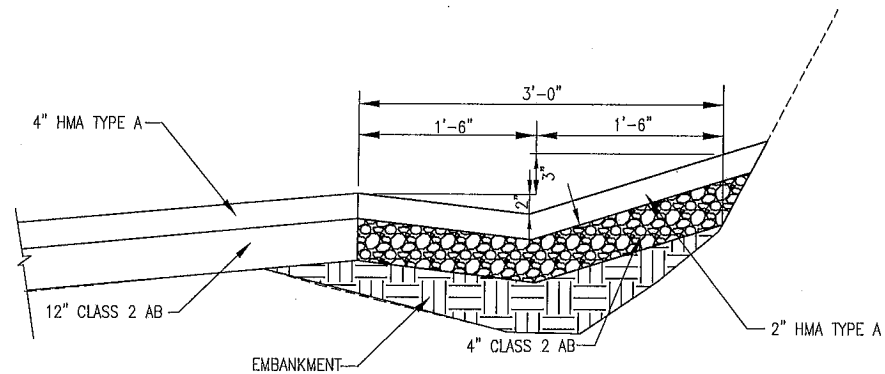
NO.	DATE	REVISION	APPROVED
▲			
▲			
▲			
▲			

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

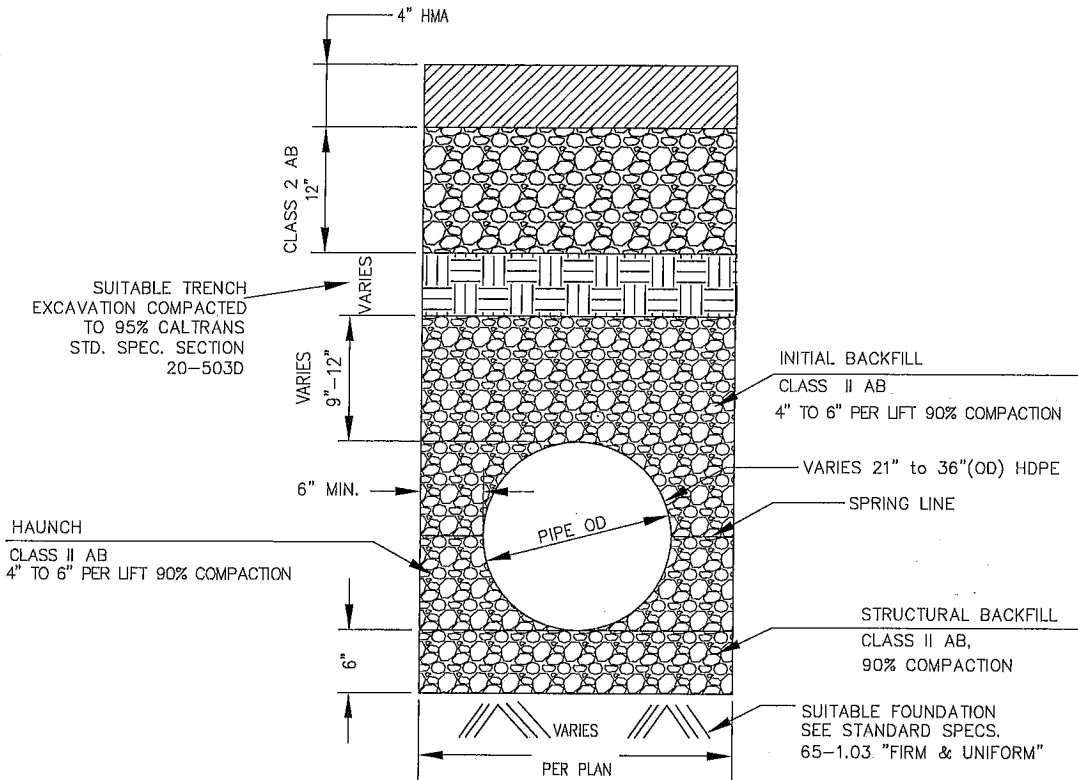
BLACKIE ROAD SAFETY IMPROVEMENTS
FROM MP 3.25 TO 4.6
PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)
CONSTRUCTION DETAILS
DATE 04/19/2011
SCALE AS SHOWN
RELATIVE BORDER SCALE: IN INCHES
VIEW Const Details
SHEET 17 OF 27



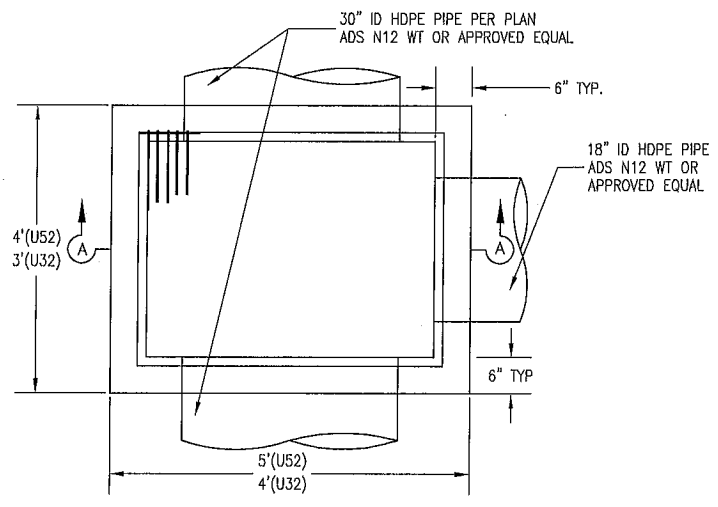
A
18
TRANSVERSE CONFORM
NTS



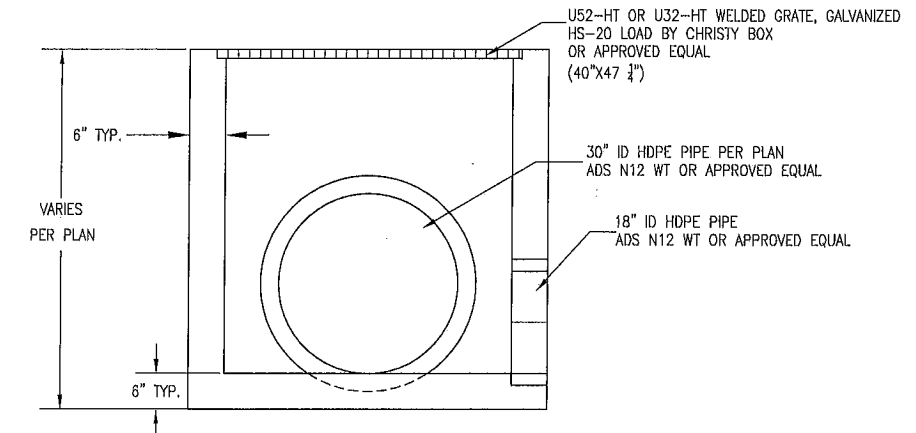
B
18
AC DITCH
NTS



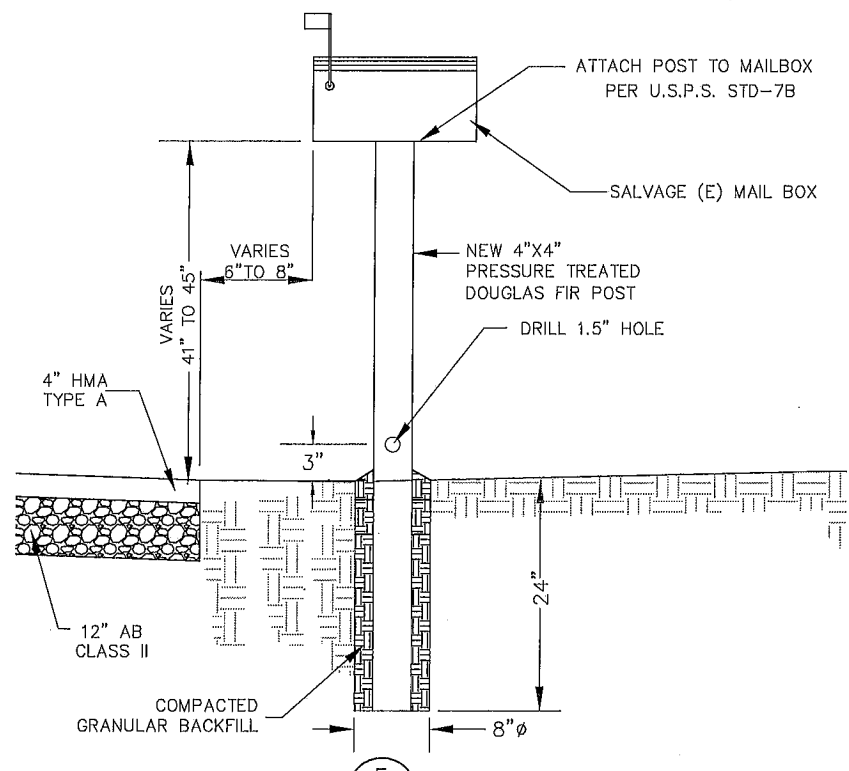
C
18
TYPICAL TRENCH SECTION
NTS



D
18
CATCH BASIN DETAIL
CHRISTY BOX U52
NTS



E
18
SECTION A-A
NTS



F
18
TYPICAL MAIL BOX DETAIL
NTS

SUBMITTED BY: ARTURO A. ADLAWAN, P.E.
SENIOR ENGINEER

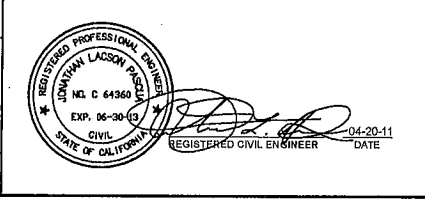
DESIGN BY: BARNEY GUZMAN
PROJECT ENGINEER

DRAWN BY: THANT NYUNT

SPECIFICATIONS WRITTEN BY: BARNEY GUZMAN

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

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



NO.	DATE	REVISION	APPROVED
▲			
▲			
▲			
▲			

COUNTY OF MONTEREY
DEPARTMENT OF PUBLIC WORKS
DESIGN SECTION

168 WEST ALISAL STREET, 2ND FLOOR
SALINAS, CALIFORNIA 93901-2680
(831) 755-4800/FAX (831) 755-4958

BLACKIE ROAD SAFETY IMPROVEMENTS
FROM MP 3.25 TO 4.6
PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)

CONSTRUCTION DETAILS

DATE: 04/20/2012
SCALE: N.T.S.

RELATIVE BORDER SCALE: IN INCHES
0 1 2 3

SHEET 18 OF 27
VIEW CONST. DETAIL 1

BLACKIE ROAD CONSTRUCTION AREA SIGNS

NOTES:

1. CONSTRUCTION AREA SIGNING TO REMAIN THROUGHOUT THE CONSTRUCTION PERIOD.
2. COVER ROAD CLOSED SIGNS WHEN ROAD IS OPEN.
3. ALL TRAFFIC CONTROL SHALL CONFORM TO CALIFORNIA MUTGD DATED JANUARY 21, 2010.
4. SIGN LOCATIONS ARE APPROXIMATE, EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.

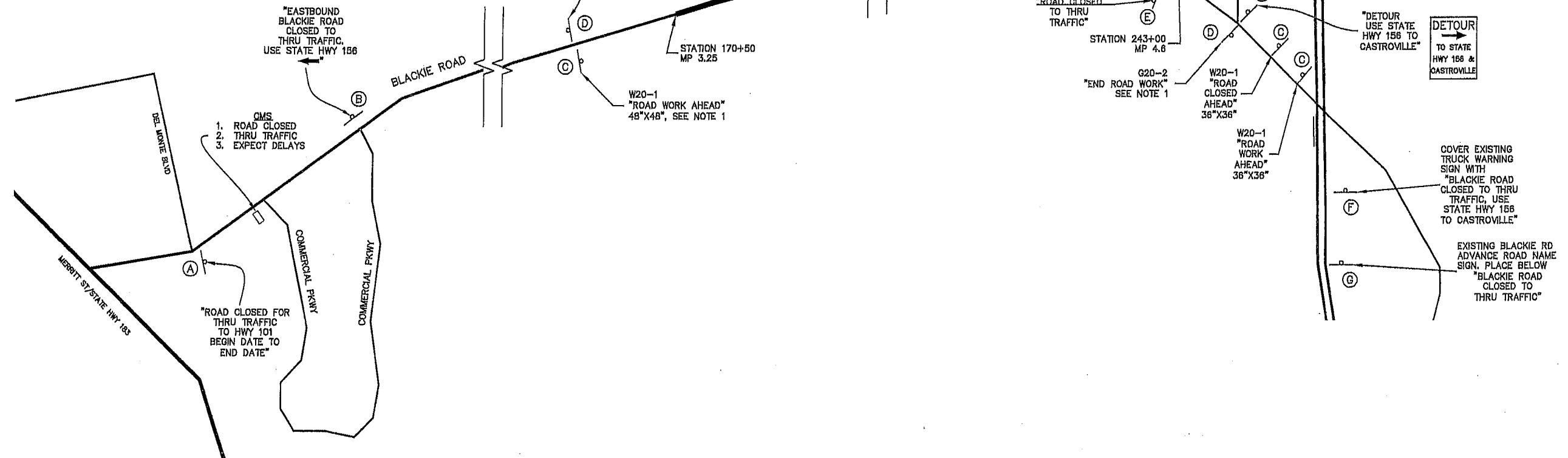
LEGEND

- TEMPORARY SIGNS
- CMS -CHANGEABLE MESSAGE SIGN

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN NO.	SIGN CODE *	MINIMUM PANEL SIZE (in)	SIGN MESSAGE	LETTER SIZE	NO. OF POST AND SIZE (in)	NO. OF SIGNS
A	NONE	48 x 30	ROAD CLOSED FOR THRU TRAFFIC TO HWY 101 BEGIN DATE TO END DATE	5"D	2- 4 x 4	1
B	NONE	48 x 30	EASTBOUND BLACKIE ROAD CLOSED TO THRU TRAFFIC. USE STATE HWY 156.	6"D	2- 4 x 4	1
C	W20-1	48 x 48	ROAD WORK(CLOSED) AHEAD		2- 4 x 4	3
D	G20-2	36 x 18	END ROAD WORK		1- 4 x 4	2
E	R11-4	60 x 30	ROAD CLOSED TO THRU TRAFFIC		2- 4 x 4	2
F	NONE	48 x 30	BLACKIE ROAD CLOSED TO THRU TRAFFIC USE STATE HWY 156 TO CASTROVILLE	6"D	2- 4 x 4	1
G	NONE	48 x 30	BLACKIE ROAD CLOSED TO THRU TRAFFIC	6"D	2- 4 x 4	1
H	NONE	48 x 42	BLACKIE ROAD CLOSED TO THRU TRAFFIC. USE ALTERNATE ROUTE.	6"D	2- 4 x 4	1
J	NONE	36 x 42	DETOUR TO CASTROVILLE →	5"D	1- 4 x 4	1
K	NONE	36 x 42	DETOUR TO CASTROVILLE ←	5"D	1- 4 x 4	3
L	NONE	36 x 42	DETOUR → TO STATE HWY 156 & CASTROVILLE	5"D	1- 4 x 4	1

* FOR SIGN CODE "NONE" SIGNS COLOR SHALL BE BLACK LETTERING ON ORANGE BACKGROUND.



SUBMITTED BY, ARTURO A. ADLAWAN, P.E., SENIOR CIVIL ENGINEER
 DESIGN BY, BARNEY GUZMAN, PROJECT ENGINEER
 DRAWN BY, T. NYUNT/F. MORALES
 SPECIFICATIONS WRITTEN BY, BARNEY GUZMAN
 APPROVAL RECOMMENDED BY, PAUL H. GREENWAY, P.E., ACTING DIRECTOR OF PUBLIC WORKS

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

Arturo A. Adlawan
 Date: 4-21-11

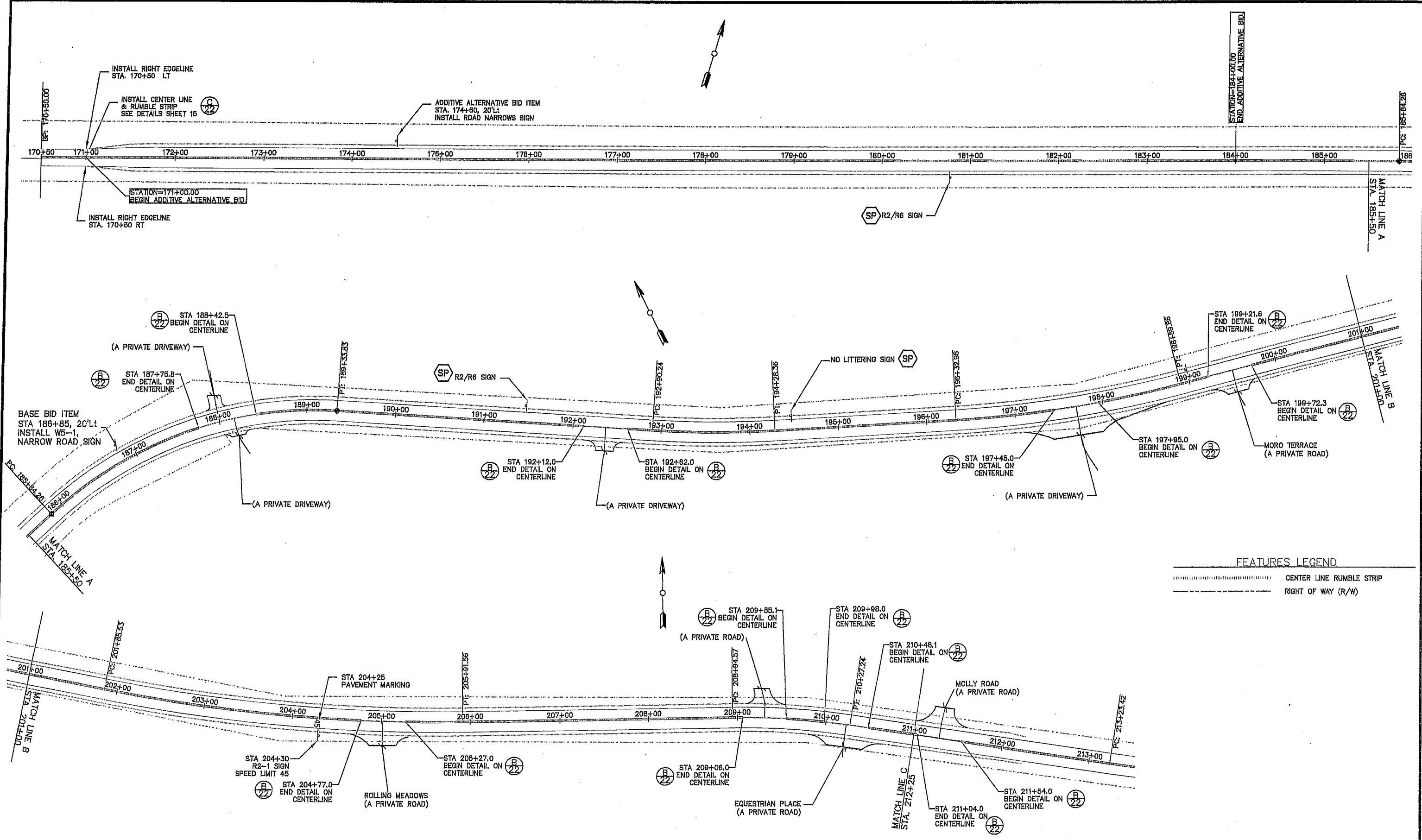
NO.	DATE	REVISION	APPROVED

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

BLACKIE ROAD SAFETY IMPROVEMENTS
 FROM MP 3.25 TO 4.6
 PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)

CONSTRUCTION AREA SIGNS

DATE 04/20/2011	RELATIVE BORDER SCALE: IN INCHES 	SHEET 19 OF 27
SCALE NONE	VIEW Traffic control	



FEATURES LEGEND

	CENTER LINE RUMBLE STRIP
	RIGHT OF WAY (R/W)

SUBMITTED BY, ARTURO A. ADLAWAN, P.E., SENIOR CIVIL ENGINEER
 DESIGN BY, BARNEY GUZMAN, PROJECT ENGINEER
 DRAWN BY, T. NYUNT/F. MORALES
 SPECIFICATIONS WRITTEN BY, BARNEY GUZMAN
 APPROVAL RECOMMENDED BY, PAUL H. GREENWAY, P.E., ACTING DIRECTOR OF PUBLIC WORKS

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

N. Thongm
 Date: 4-21-11

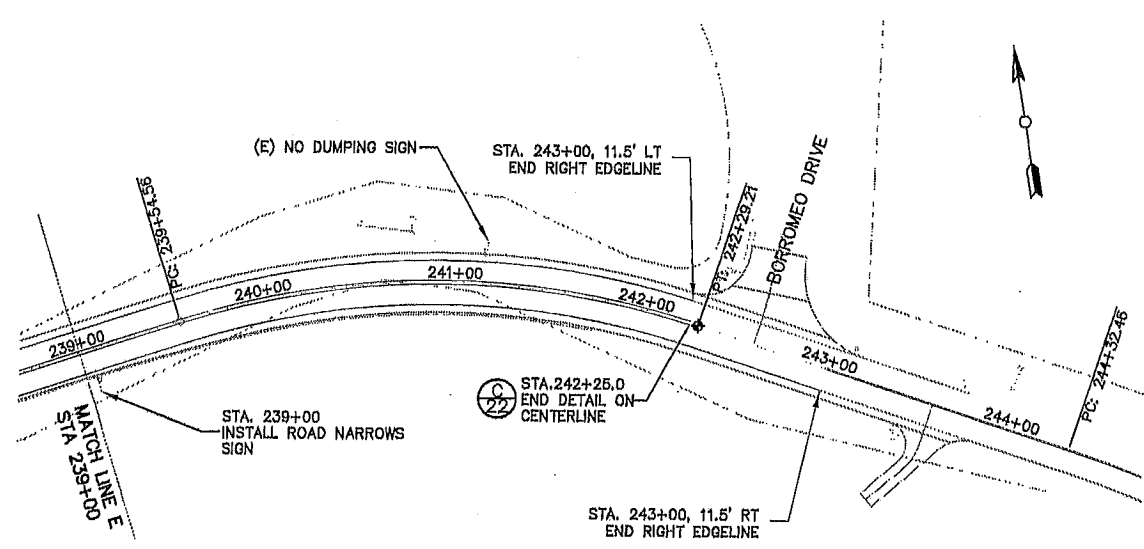
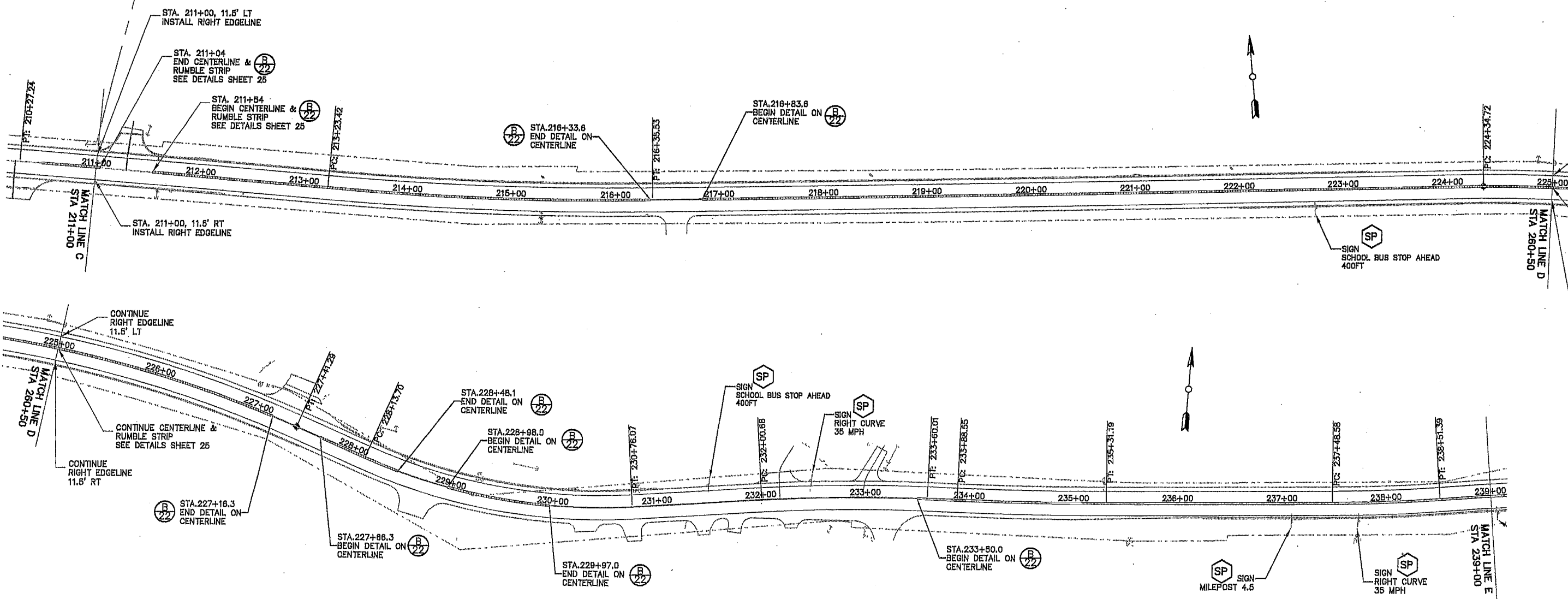
NO.	DATE	REVISION	APPROVED

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

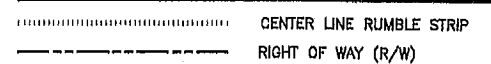
BLACKIE ROAD SAFETY IMPROVEMENTS
 FROM MP 3.25 TO 4.6
 PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)
TRAFFIC STRIPING & SIGNING PLAN

DATE: 04/20/2011
 SCALE: 1" = 50'
 RELATIVE BORDER SCALE: IN INCHES
 VIEW: TRAFFIC STRIPING

SHEET 20 OF 27



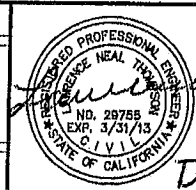
FEATURES LEGEND



ITEM 7	RELOCATE ROADSIDE SIGN (ONE POST)		
STATION	LANE	SIZE & DESIGNATION	QTY
191+46	WB	30" W6 RT & 24" W6 35	1
194+46	WB	34"X30" S11A	1
198+99	WB	30" W6 RT	1
222+76	EB	30" W6-400FT	1
231+80	WB	30" W6-400FT	1
232+47	WB	30" W6 RT & 24" W6 35	1
237+10	EB	MILEPOST 4.50	1
237+74	EB	30" W6 RT & 24" W6 35	1
241+15	WB	24"X30" NO DUMPING	1
TOTAL			9

ITEM 23	ROADSIDE SIGN (ONE POST)		
STATION	SIZE & DESIGNATION	LANE	POST (EA)
174+75	"30" W6-1 ROAD NARROWS	WB	1
204+30	24"X30" R2-1 SPEED LIMIT 45	EB	1
239+00	"30" W6-1 ROAD NARROWS	EB	1
TOTAL			2
ADDITIVE ALTERNATIVE BID changes WB location only. Quantity remains the same as Base Bid.			
ROADSIDE SIGN (ONE POST)			
STATION	SIZE & DESIGNATION	LANE	
186+85	"30" W6-1 ROAD NARROWS	WB	

SUBMITTED BY, ARTURO A. ADLAWAN, P.E., SENIOR CIVIL ENGINEER
 DESIGN BY, BARNEY GUZMAN, PROJECT ENGINEER
 DRAWN BY, T. NYUNT/F. MORALES
 SPECIFICATIONS WRITTEN BY, BARNEY GUZMAN
 APPROVAL RECOMMENDED BY, PAUL H. GREENWAY, P.E., ACTING DIRECTOR OF PUBLIC WORKS



Arturo A. Adlawan
 Date: 4-21-11

NO.	DATE	REVISION	APPROVED
▲			
▲			
▲			

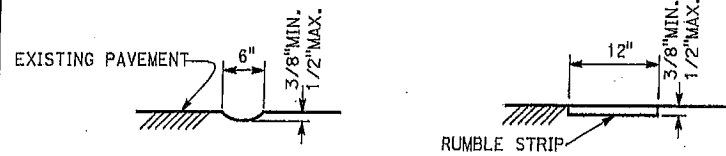


COUNTY OF MONTEREY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN SECTION
 168 WEST ALISAL STREET, 2nd FLOOR
 SALINAS, CALIFORNIA 93901
 (831)765-4800/FAX (831)765-4888

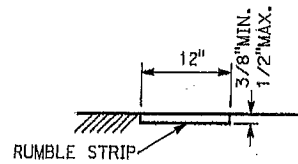
BLACKIE ROAD SAFETY IMPROVEMENTS
 FROM MP 3.25 TO 4.6
 PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)
TRAFFIC STRIPING & SIGNING PLAN

DATE: 04/20/2011
 SCALE: 1" = 50'
 RELATIVE BORDER SCALE: IN INCHES
 VIEW: TRAFFIC STRIPING 2

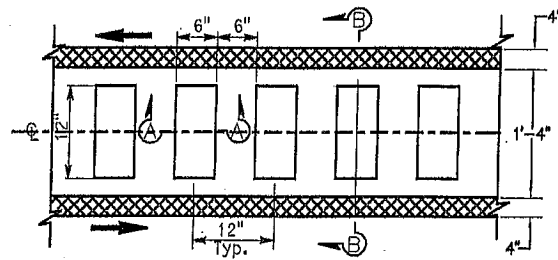
SHEET 21 OF 27



SECTION A-A
RUMBLE STRIP (GROUND-IN)

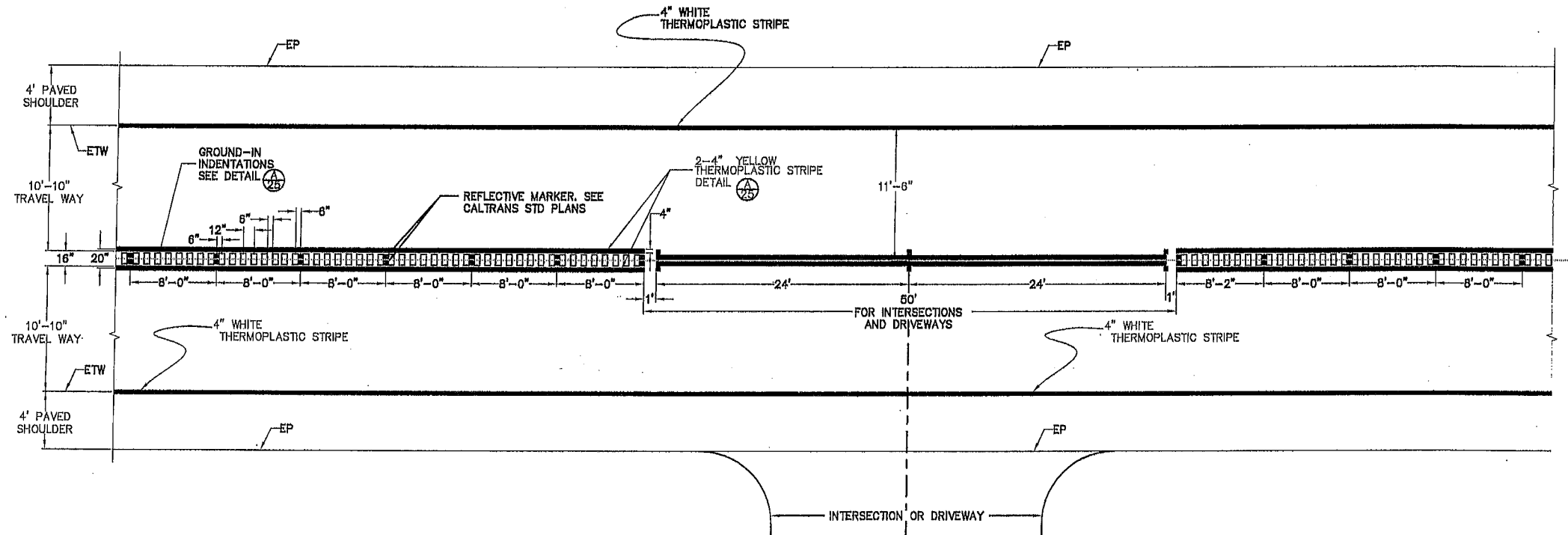


SECTION B-B

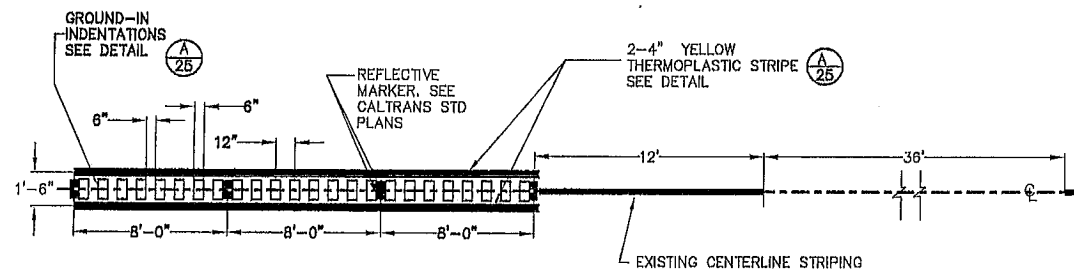


PLAN

(A) 25 GROUND-IN INDENTATIONS (RUMBLE STRIP) & NEW ROAD CENTERLINE N.T.S.



(B) 25 CENTERLINE NO PASSING ZONES - TWO DIRECTION WITH CENTERLINE RUMBLE STRIP N.T.S.



(C) 25 END RUMBLE STRIP DETAIL TO MATCH EXISTING ROAD CENTERLINE SCALE 1" = 5'

LEGEND:

- OR [hatched box] 4" YELLOW
- ← DIRECTION OF TRAVEL

SUBMITTED BY, ARTURO A. ADLAWAN, P.E., SENIOR CIVIL ENGINEER
 DESIGN BY, BARNEY GUZMAN, PROJECT ENGINEER
 DRAWN BY, T. NYUNT/F. MORALES
 SPECIFICATIONS WRITTEN BY, BARNEY GUZMAN
 APPROVAL, RECOMMENDED BY, PAUL H. GREENWAY, P.E., ACTING DIRECTOR OF PUBLIC WORKS

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

 Date: 4-21-11

NO.	DATE	REVISION	APPROVED
▲			
▲			
▲			
▲			



COUNTY OF MONTEREY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN SECTION
 188 WEST ALISAL STREET, 2nd FLOOR
 SALINAS, CALIFORNIA 93901
 (831)785-4800/FAX (831)785-4988

BLACKIE ROAD SAFETY IMPROVEMENTS
 FROM MP 3.25 TO 4.6
 PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)
TRAFFIC STRIPING & SIGNING PLAN
 DATE: 04/20/2011
 SCALE: AS SHOWN
 SHEET 22 OF 27

6 RELOCATE MAIL BOX		
STATION BEG	OFFSET	QTY (EA)
187+97.2	-11.25 LT	1
189+00	15.2 LT	4
212+43	12.94 RT	1
216+30	14.46 RT	1
TOTAL		7

7 RELOCATE ROADSIDE SIGN (ONE POST)			
STATION BEG	LANE	SIZE & DESIGNATION	QTY (EA)
191+46	WB	30" W5 RT & 24" W6 35	1
194+46	WB	34"x30" S11A	1
198+99	WB	30" W5 RT	1
222+76	EB	30" W64-400FT	1
231+50	WB	30" W64-400FT	1
232+47	WB	30" W5 RT & 24" W6 35	1
237+10	EB	MILEPOST 4.50	1
237+74	EB	30" W5 RT & 24" W6 35	1
241+15	WB	24"x30" NO DUMPING	1
TOTAL			9

8 COLD PLANE AC SURFACE			
STATION BEG	STATION END	AVERAGE WIDTH (FT)	AREA (SQ YD)
183+00	184+00	20	222
242+75	243+50	25	278
227+50	MOLLY RD INTERSECTION		150
242+60	BORROMEO RD INTERSECTION		110
TOTAL			761

11 ROADWAY EXCAVATION			
STATION BEG	STATION END	ROADWAY EXCAVATION	EMBANKMENT (N)
184+00	212+25	3158	706
212+25	243+50	3244	713
TOTAL		6402	
(N) NOT A PAY ITEM. FOR INFORMATION ONLY			

12 PLANT COAST LIVE OAK TREE (1 GAL)		
STATION BEG	STATION END	QTY (EA)
171+00 LT	187+50 LT	80
TOTAL		80

14 AGGREGATE BASE CLASS 2	
LOCATION	VOL (CY)
UNDER ROADWAY STA 184+00 TO STA 243+75	6832
UNDER DRIVEWAYS & INTERSECTED ROADS	198
TOTAL	7030

15 EROSION CONTROL (HYDROSEEDING)				
STATION BEG	STATION END	OFFSET	SLOPE	AREA (SY)
193+50	203+50	LT	CUT	830
233+80	235+50	LT	FILL	125
241+00	243+50	LT	FILL	125
227+00	228+50	RT	CUT	120
TOTAL				1200

16 SLURRY SEAL	
LOCATION	VOL (TON)
ROADWAY STA 171+00 TO STA 243+75	25
DRIVEWAYS & INTERSECTED ROADS	1
TOTAL	26

17 HOT MIX ASPHALT CONCRETE (TYPE A)	
LOCATION	(TON)
ON ROADWAY STA 184+00 TO STA 243+75	4584.3
ON DRIVEWAYS & INTERSECTED ROADS	129.3
HMA DIKE	119.8
HMA DITCH	4.7
2" HMA UNDER DIKE	50.6
TOTAL	4889.0

18 RUMBLE STRIP		
STATION BEG	STATION END	LENGTH (FT)
184+00	192+02	802
192+72	197+35	463
198+05	199+15	110
199+85	204+67	482
205+37	208+96	359
209+85	209+88	23
210+58	210+94	36
211+64	216+24	460
216+93	227+06	1012
227+76	228+38	62
229+08	229+97	89
233+50	242+25	875
TOTAL		4772

19 PLACE HOT MIX ASPHALT (TYPE A) PLACEMENT			
STATION BEG	STATION END	OFFSET	LENGTH (LF)
190+34	207+95	LT	1761
211+40	223+25	LT	1185
227+65	231+00	LT	335
208+50	210+09	RT	359
222+00	227+50	RT	550
236+25	241+75	RT	550
TOTAL			4740

20 PLACE HOT MIX ASPHALT (MISC AREA)			
STATION BEG	STATION END	DESC.	AREA (SY)
205+30.46	205+53.59	OVERSIDE DRAIN	14.0
235+00	236+25	AC DITCH	42.0
TOTAL			56

21 ROADSIDE SIGN (ONE POST)			
STATION	POST (EA)	SIZE & DESIGNATION	LANE
186+85	1	30" W5-1 ROAD NARROWS	WB
204+30	1	24"x30" R2-1 SPEED LIMIT 45	EB
239+00	1	30" W5-1 ROAD NARROWS	EB
TOTAL		2	
ADDITIVE ALTERNATIVE BID changes WB location only. Quantity remains the same as Base Bid.			
ROADSIDE SIGN (ONE POST)			
STATION	SIZE & DESIGNATION	LANE	
174+75	30" W5-1 ROAD NARROWS	WB	

22 12" STORM DRAIN PIPE	
DESCRIPTION	LENGTH(LF)
DWY @ STA. 232+18.15	35
DWY @ STA. 232+98.50	24
TOTAL	59

23 15" STORM DRAIN PIPE	
DESCRIPTION	LENGTH(LF)
DWY @ STA. 192+37	40
TOTAL	40

24 18" STORM DRAIN PIPE	
DESCRIPTION	LENGTH(LF)
STA 221+00	41
STA 233+50	58
STA 237+25	47
TOTAL	146

25 30" STORM DRAIN PIPE		
STATION BEG	STATION END	LENGTH(LF)
188+44	211+60	2316
TOTAL		2316

26 30" PLASTIC FLARED END SECTION		
STATION BEG	OFFSET	EACH
188+40	LT	1
TOTAL		1

27 ROCK SLOPE PROTECTION	
DESCRIPTION	VOLUME (CY)
STA 222+00	2
STA 23100	2
STA241+75	2
TOTAL	6

28 DRAIN INLET WITH FRAME AND GRATE			
STATION	TYPE	OFFSET	QTY (EA)
190+34	CHRISTY BOX U62	LT	1
194+74	CHRISTY BOX U62	LT	1
199+33	CHRISTY BOX U62	LT	1
211+60	CHRISTY BOX U62	LT	1
221+01.44	CHRISTY BOX U62	LT	1
233+43.29	CHRISTY BOX U62	RT	1
237+15.32	CHRISTY BOX U62	LT	1
TOTAL			7

29 DRAIN INLET (TYPE C)			
STATION	TYPE	OFFSET	QTY (EA)
192+94.50	CATCH BASIN TYPE (C)	RT	1
TOTAL			1

30 RECONSTRUCT FENCE (TYPE BW)			
STATION BEG	STATION END	TYPE	LENGTH (LF)
194+00	198+50	BARB WIRE	450
209+00	210+50	BARB WIRE	150
TOTAL			600

31 SURVEY MONUMENT		
STATION	OFFSET	QTY (EA)
185+84.26	0 LT, BC	1
189+33.83	0 LT, EC	1
224+34.72	0 LT, BC	1
227+41.29	0 LT, EC	1
239+54.56	0 LT, BC	1
242+29.21	0 LT, EC	1
TOTAL		6

32 4" THERMOPLASTIC TRAFFIC STRIPE (WHITE)		
STATION BEG	STATION END	LENGTH (FT)
184+00	243+75	23900
TOTAL		23900

33 THERMOPLASTIC PAVEMENT MARKING		
DESCRIPTION	STA.	(SF)
STOP BAR	242+60	25
"STOP" MARKING	242+60	22
TOTAL		47

34 PAVEMENT MARKERS			
STATIONS		LENGTH	QTY
FROM	TO	(LF)	(EA)
184+00	243+75	5975	1645
TOTAL			1645

1AA COLD PLANE AC SURFACE			
STATION BEG	STATION END	AVERAGE WIDTH (FT)	AREA (SQ.YD.)
171+00	172+00	19.25	214
TOTAL			214

3AA ROADWAY EXCAVATION			
STATION BEG	STATION END	ROADWAY EXCAVATION	EMBANKMENT (N)
171+00	184+00	1089	914
(N) NOT A PAY ITEM. FOR INFORMATION ONLY			

4AA DITCH EXCAVATION		
STATION BEG	STATION END	ROADWAY EXCAVATION
171+00	184+00	380

5AA AGGREGATE BASE CLASS 2	
LOCATION	VOL (CU.YD.)
UNDER ROADWAY STA 171+00 TO STA 184+00	1493
LEVELING COURSE STA 171+00 TO STA 184+00	13
TOTAL	1506

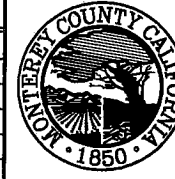
6AA HOT MIX ASPHALT CONCRETE (TYPE A)	
LOCATION	TONS
ON ROADWAY STA 180+00 TO STA 243+75	998
TOTAL	998.0

7AA RUMBLE STRIP		
STATION BEG	STATION END	LENGTH (FT)
171+00	184+00	1300
TOTAL		1300

SUBMITTED BY: ARTURO A. ADLAWAN, P.E., SENIOR ENGINEER
DESIGN BY: BARNEY GUZMAN, PROJECT ENGINEER
DRAWN BY: THANT NYUNT / FELIPE MORALES
SPECIFICATIONS WRITTEN BY: BARNEY GUZMAN
APPROVAL RECOMMENDED BY: PAUL H. GREENWAY, P.E., ACTING DIRECTOR OF PUBLIC WORKS

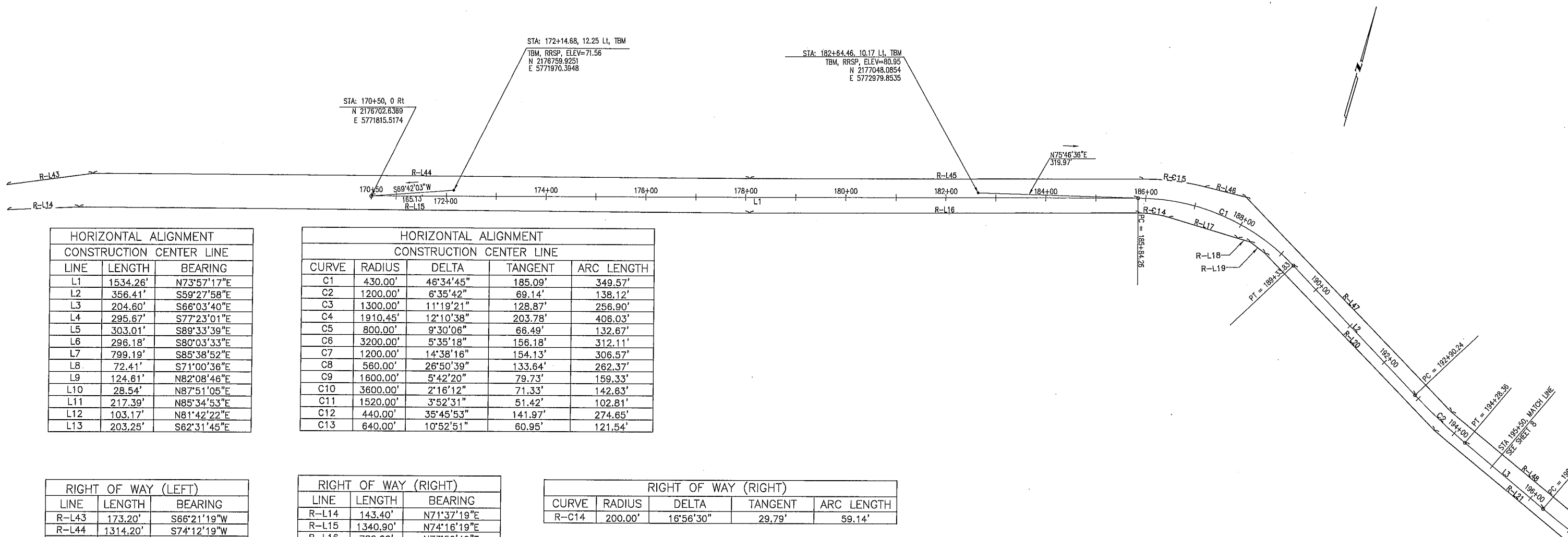


NO.	DATE	REVISION	APPROVED
▲			
▲			
▲			
▲			
▲			



COUNTY OF MONTEREY
DEPARTMENT OF PUBLIC WORKS
DESIGN SECTION
168 WEST ALISAL STREET, 2ND FLOOR
SALINAS, CALIFORNIA 93901-2680
(831) 755-4800/FAX (831) 755-4958

BLACKIE ROAD SAFETY IMPROVEMENTS
FROM MP 3.25 TO 4.6
PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)
SUMMARY OF QUANTITIES
DATE: 04/20/2011
SCALE: NONE
VIEW: REV QUANTITIES DETAILS
RELATIVE BORDER SCALE: IN INCHES
SHEET 23 OF 27



HORIZONTAL ALIGNMENT CONSTRUCTION CENTER LINE		
LINE	LENGTH	BEARING
L1	1534.26'	N73°57'17"E
L2	356.41'	S59°27'58"E
L3	204.60'	S66°03'40"E
L4	295.67'	S77°23'01"E
L5	303.01'	S89°33'39"E
L6	296.18'	S80°03'33"E
L7	799.19'	S85°38'52"E
L8	72.41'	S71°00'36"E
L9	124.61'	N82°08'46"E
L10	28.54'	N87°51'05"E
L11	217.39'	N85°34'53"E
L12	103.17'	N81°42'22"E
L13	203.25'	S62°31'45"E

HORIZONTAL ALIGNMENT CONSTRUCTION CENTER LINE				
CURVE	RADIUS	DELTA	TANGENT	ARC LENGTH
C1	430.00'	46°34'45"	185.09'	349.57'
C2	1200.00'	6°35'42"	69.14'	138.12'
C3	1300.00'	11°19'21"	128.87'	256.90'
C4	1910.45'	12°10'38"	203.78'	406.03'
C5	800.00'	9°30'06"	66.49'	132.67'
C6	3200.00'	5°35'18"	156.18'	312.11'
C7	1200.00'	14°38'16"	154.13'	306.57'
C8	560.00'	26°50'39"	133.64'	262.37'
C9	1600.00'	5°42'20"	79.73'	159.33'
C10	3600.00'	2°16'12"	71.33'	142.63'
C11	1520.00'	3°52'31"	51.42'	102.81'
C12	440.00'	35°45'53"	141.97'	274.65'
C13	640.00'	10°52'51"	60.95'	121.54'

RIGHT OF WAY (LEFT)		
LINE	LENGTH	BEARING
R-L43	173.20'	S66°21'19"W
R-L44	1314.20'	S74°12'19"W
R-L45	787.01'	S73°54'50"W
R-L46	84.97'	S88°12'19"W
R-L47	596.13'	N60°01'11"W
R-L48	399.97'	N66°31'17"W
R-L49	612.71'	N77°31'35"W
R-L50	589.14'	N88°28'54"W
R-L51	184.17'	N80°28'54"W
R-L52	5.07'	S18°55'13"W
R-L53	302.23'	N80°28'54"W
R-L54	97.28'	N85°10'43"W
R-L55	5.28'	N23°29'43"E
R-L56	286.03'	N85°11'12"W
R-L57	638.64'	N85°26'47"W
R-L58	98.97'	N79°11'47"W
R-L59	139.36'	N77°59'47"W
R-L60	204.83'	N65°33'47"W
R-L61	343.76'	S80°50'13"W
R-L62	291.47'	S88°11'43"W
R-L63	297.66'	S85°25'13"W
R-L64	155.22'	S73°13'13"W
R-L68	22.98'	N67°26'47"W

RIGHT OF WAY (RIGHT)		
LINE	LENGTH	BEARING
R-L14	143.40'	N71°37'19"E
R-L15	1340.90'	N74°16'19"E
R-L16	780.00'	N73°50'49"E
R-L17	144.80'	S89°12'41"E
R-L18	25.86'	N90°00'00"E
R-L19	37.50'	S68°41'18"E
R-L20	491.50'	S60°01'11"E
R-L21	407.63'	S66°31'17"E
R-L22	622.33'	S77°31'35"E
R-L23	590.44'	S88°28'54"E
R-L24	447.05'	S80°28'54"E
R-L25	38.94'	S80°28'54"E
R-L26	375.47'	S85°10'43"E
R-L27	644.54'	S85°26'47"E
R-L28	95.71'	S79°11'47"E
R-L29	133.38'	S77°59'47"E
R-L30	214.47'	S65°33'47"E
R-L31	355.64'	N80°50'13"E
R-L32	19.48'	N88°11'43"E
R-L33	5.00'	S02°00'47"E
R-L34	270.09'	N88°11'43"E
R-L35	91.24'	N85°25'13"E
R-L36	5.01'	N02°00'47"W
R-L37	212.87'	N85°25'13"E
R-L38	156.46'	N73°13'13"E
R-L41	157.47'	S56°10'47"E
R-L42	255.72'	S67°26'47"E

RIGHT OF WAY (RIGHT)				
CURVE	RADIUS	DELTA	TANGENT	ARC LENGTH
R-C14	200.00'	16°56'30"	29.79'	59.14'

RIGHT OF WAY (LEFT)				
CURVE	RADIUS	DELTA	TANGENT	ARC LENGTH
R-C15	500.00'	14°17'29"	62.68'	124.72'
R-C16	20.00'	90°00'00"	20.00'	31.42'
R-C17	170.00'	38°34'00"	59.48'	114.43'

SUBMITTED BY ARTURO A. ADLAWAN, P.E.
SENIOR ENGINEER

DESIGN BY BARNEY GUZMAN
PROJECT ENGINEER

DRAWN BY THANT NYUNT

SPECIFICATIONS WRITTEN BY BARNEY GUZMAN

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

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

NO.	DATE	REVISION	APPROVED

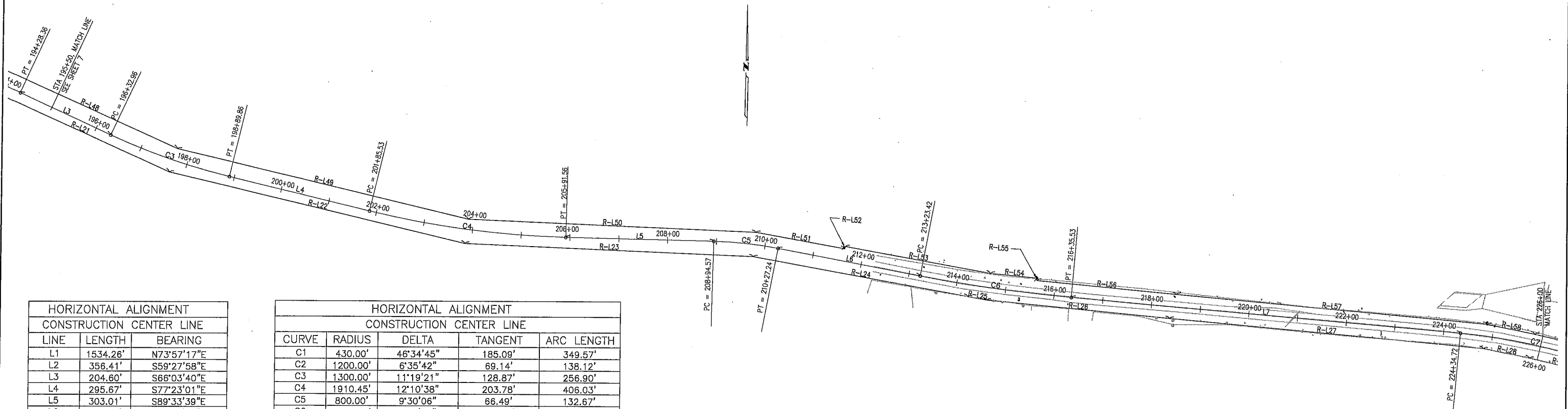
COUNTY OF MONTEREY
DEPARTMENT OF PUBLIC WORKS
DESIGN SECTION

168 WEST ALISAL STREET, 2ND FLOOR
SALINAS, CALIFORNIA 93901-2680
(831) 755-4800/FAX (831) 755-4958

BLACKIE ROAD SAFETY IMPROVEMENTS
FROM MP 3.25 TO 4.6
PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)

SURVEY PLAN

DATE 04/20/2011	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET 24
SCALE 1" = 100'	VIEW GP-1	OF 27

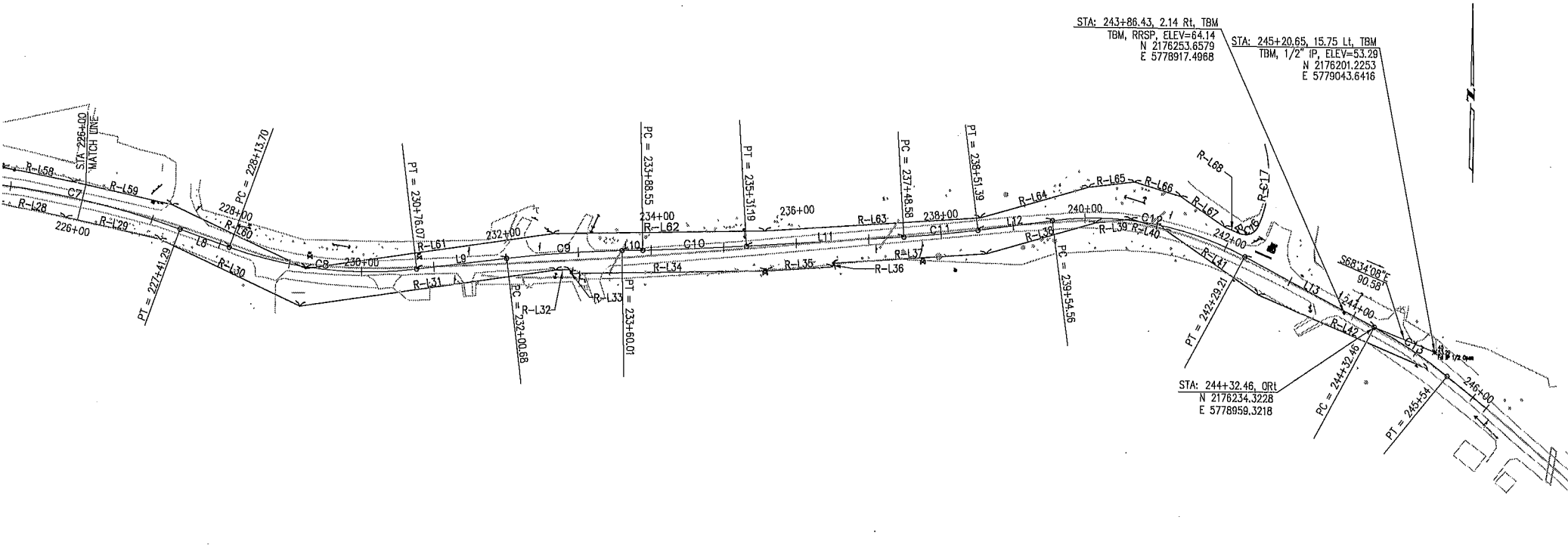


HORIZONTAL ALIGNMENT CONSTRUCTION CENTER LINE		
LINE	LENGTH	BEARING
L1	1534.26'	N73°57'17"E
L2	356.41'	S59°27'58"E
L3	204.60'	S66°03'40"E
L4	295.67'	S77°23'01"E
L5	303.01'	S89°33'39"E
L6	296.18'	S80°03'33"E
L7	799.19'	S85°38'52"E
L8	72.41'	S71°00'36"E
L9	124.61'	N82°08'46"E
L10	28.54'	N87°51'05"E
L11	217.39'	N85°34'53"E
L12	103.17'	N81°42'22"E
L13	203.25'	S62°31'45"E

HORIZONTAL ALIGNMENT CONSTRUCTION CENTER LINE				
CURVE	RADIUS	DELTA	TANGENT	ARC LENGTH
C1	430.00'	46°34'45"	185.09'	349.57'
C2	1200.00'	6°35'42"	69.14'	138.12'
C3	1300.00'	11°19'21"	128.87'	256.90'
C4	1910.45'	12°10'38"	203.78'	406.03'
C5	800.00'	9°30'06"	66.49'	132.67'
C6	3200.00'	5°35'18"	156.18'	312.11'
C7	1200.00'	14°38'16"	154.13'	306.57'
C8	560.00'	26°50'39"	133.64'	262.37'
C9	1800.00'	5°42'20"	79.73'	159.33'
C10	3600.00'	2°16'12"	71.33'	142.63'
C11	1520.00'	3°52'31"	51.42'	102.81'
C12	440.00'	35°45'53"	141.97'	274.65'
C13	640.00'	10°52'51"	60.95'	121.54'

RIGHT OF WAY (LEFT)		
LINE	LENGTH	BEARING
R-L43	173.20'	S66°21'19"W
R-L44	1314.20'	S74°12'19"W
R-L45	787.01'	S73°54'50"W
R-L46	84.97'	S88°12'19"W
R-L47	596.13'	N60°01'11"W
R-L48	399.97'	N66°31'17"W
R-L49	612.71'	N77°31'35"W
R-L50	589.14'	N88°28'54"W
R-L51	184.17'	N80°28'54"W
R-L52	5.07'	S18°55'13"W
R-L53	302.23'	N80°28'54"W
R-L54	97.28'	N85°10'43"W
R-L55	5.28'	N23°29'43"E
R-L56	286.03'	N85°11'12"W
R-L57	638.64'	N85°26'47"W
R-L58	98.97'	N79°11'47"W
R-L59	139.36'	N77°59'47"W
R-L60	204.83'	N65°33'47"W
R-L61	343.76'	S80°50'13"W
R-L62	291.47'	S88°11'43"W
R-L63	297.66'	S85°25'13"W
R-L64	155.22'	S73°13'13"W
R-L68	22.98'	N67°26'47"W

RIGHT OF WAY (RIGHT)		
LINE	LENGTH	BEARING
R-L14	143.40'	N71°37'19"E
R-L15	1340.90'	N74°16'19"E
R-L16	780.00'	N73°50'49"E
R-L17	144.80'	S89°12'41"E
R-L18	25.86'	N90°00'00"E
R-L19	37.50'	S68°41'18"E
R-L20	491.50'	S60°01'11"E
R-L21	407.63'	S66°31'17"E
R-L22	622.33'	S77°31'35"E
R-L23	590.44'	S88°28'54"E
R-L24	447.05'	S80°28'54"E
R-L25	38.94'	S80°28'54"E
R-L26	375.47'	S85°10'43"E
R-L27	644.54'	S85°26'47"E
R-L28	95.71'	S79°11'47"E
R-L29	133.38'	S77°59'47"E
R-L30	214.47'	S65°33'47"E
R-L31	355.64'	N80°50'13"E
R-L32	19.48'	N88°11'43"E
R-L33	5.00'	S02°00'47"E
R-L34	270.09'	N88°11'43"E
R-L35	91.24'	N85°25'13"E
R-L36	5.01'	N02°00'47"W
R-L37	212.87'	N85°25'13"E
R-L38	156.46'	N73°13'13"E
R-L41	157.47'	S56°10'47"E
R-L42	255.72'	S67°26'47"E



RIGHT OF WAY (RIGHT)				
CURVE	RADIUS	DELTA	TANGENT	ARC LENGTH
R-C14	200.00'	16°56'30"	29.79'	59.14'

RIGHT OF WAY (LEFT)				
CURVE	RADIUS	DELTA	TANGENT	ARC LENGTH
R-C15	500.00'	14°17'29"	62.68'	124.72'
R-C16	20.00'	90°00'00"	20.00'	31.42'
R-C17	170.00'	38°34'00"	59.48'	114.43'

SUBMITTED BY ARTURO A. ADLAWAN, P.E.
SENIOR ENGINEER

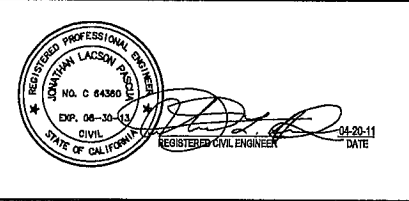
DESIGN BY BARNEY GUZMAN
PROJECT ENGINEER

DRAWN BY THANT NYUNT

SPECIFICATIONS WRITTEN BY BARNEY GUZMAN

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

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



NO.	DATE	REVISION	APPROVED

COUNTY OF MONTEREY
DEPARTMENT OF PUBLIC WORKS
DESIGN SECTION

168 WEST ALISAL STREET, 2ND FLOOR
SALINAS, CALIFORNIA 93901-2680
(831) 755-4800/FAX (831) 755-4958

BLACKIE ROAD SAFETY IMPROVEMENTS
FROM MP 3.25 TO 4.6
PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)

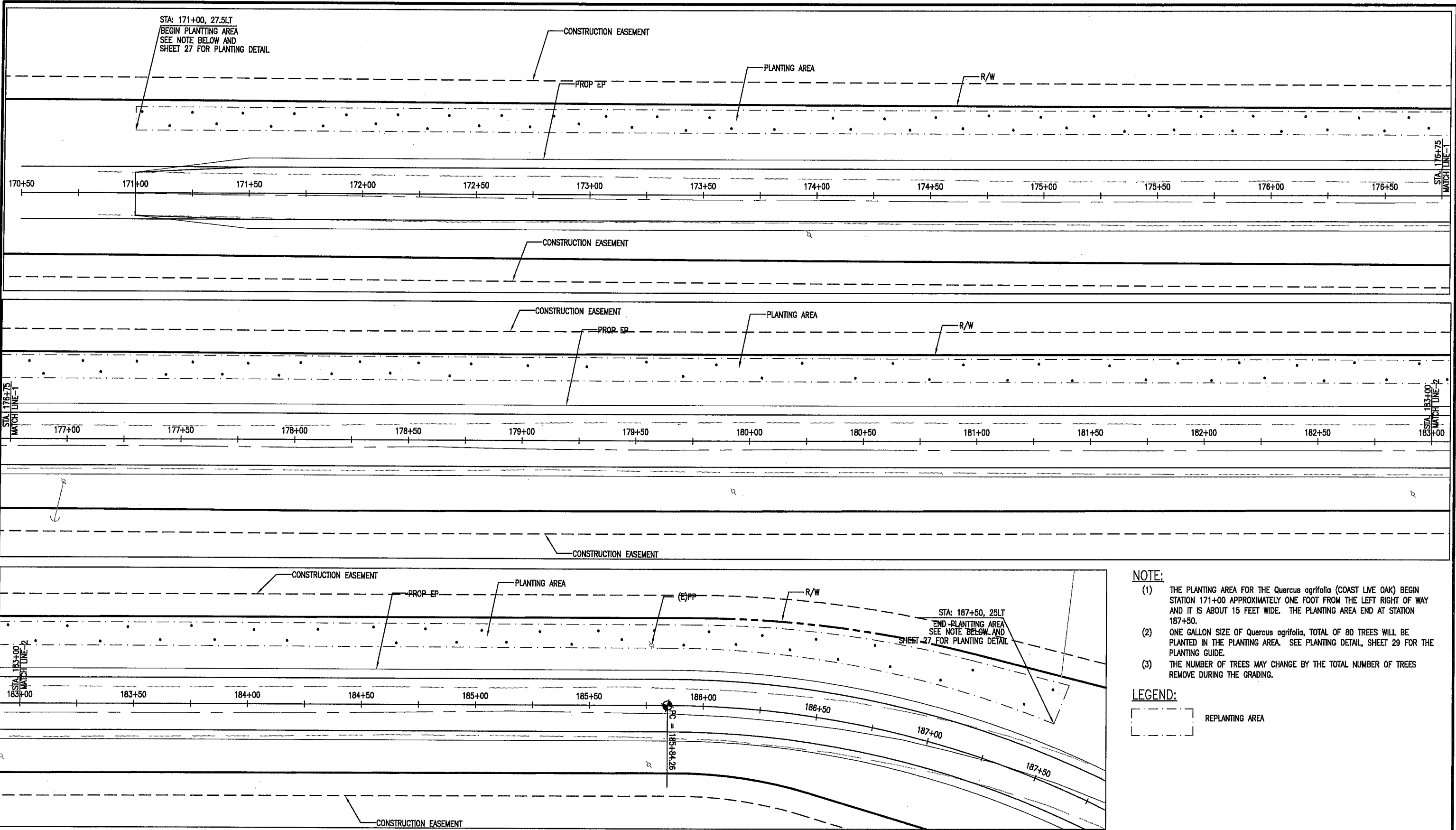
SURVEY PLAN

DATE 04/20/2011
SCALE 1" = 100'

RELATIVE BORDER SCALE: IN INCHES
VIEW GP-2

SHEET 25 OF 27

STA: 171+00, 27.5LT
 BEGIN PLANTING AREA
 SEE NOTE BELOW AND
 SHEET 27 FOR PLANTING DETAIL



NOTE:

- (1) THE PLANTING AREA FOR THE Quercus agrifolia (COAST LIVE OAK) BEGIN STATION 171+00 APPROXIMATELY ONE FOOT FROM THE LEFT RIGHT OF WAY AND IT IS ABOUT 15 FEET WIDE. THE PLANTING AREA END AT STATION 187+50.
- (2) ONE GALLON SIZE OF Quercus agrifolia, TOTAL OF 80 TREES WILL BE PLANTED IN THE PLANTING AREA. SEE PLANTING DETAIL, SHEET 29 FOR THE PLANTING GUIDE.
- (3) THE NUMBER OF TREES MAY CHANGE BY THE TOTAL NUMBER OF TREES REMOVE DURING THE GRADING.

LEGEND:



SUBMITTED BY ARTURO A. ADLAWAN, P.E., SENIOR ENGINEER
 DESIGN BY BARNEY GUZMAN, PROJECT ENGINEER
 DRAWN BY THANT NYUNT
 SPECIFICATIONS WRITTEN BY BARNEY GUZMAN
 APPROVAL RECOMMENDED BY PAUL H. GREENWAY, P.E., ACTING DIRECTOR OF PUBLIC WORKS

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

REGISTERED CIVIL ENGINEER
 DATE 04-20-11

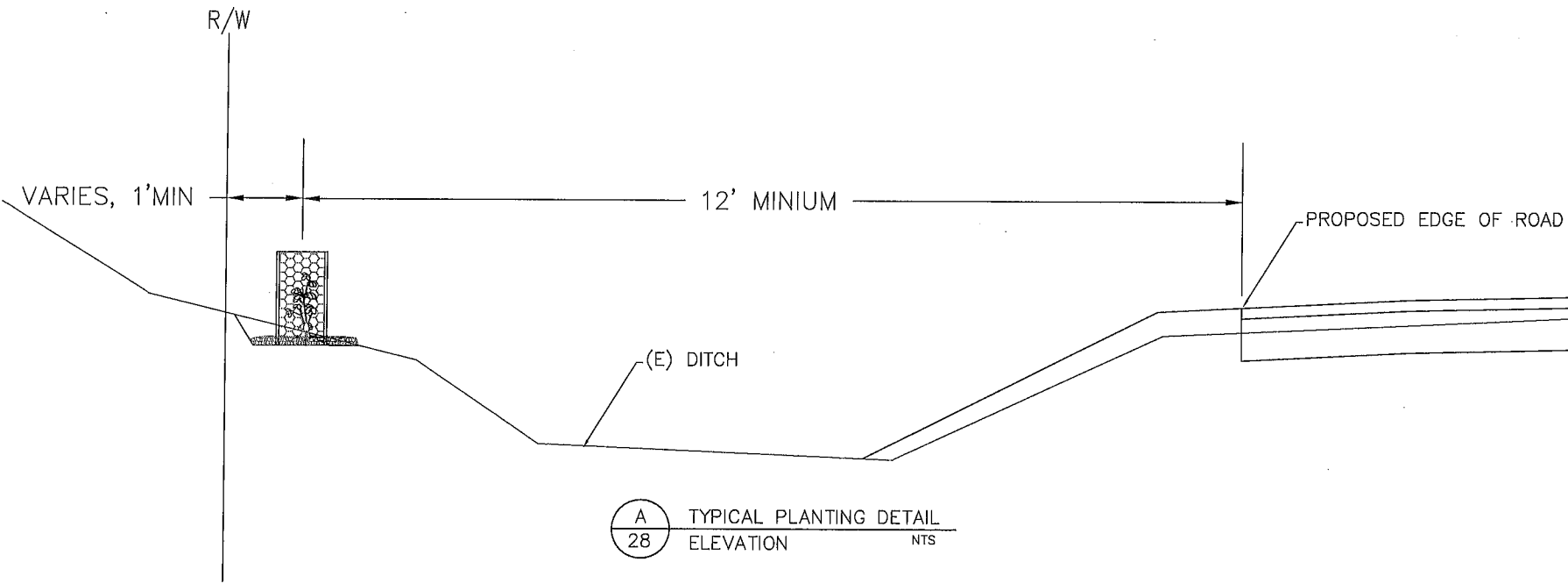
NO.	DATE	REVISION	APPROVED
▲			
▲			
▲			
▲			

COUNTY OF MONTEREY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN SECTION
 Design Engineering
 168 WEST ALISAL STREET, 2ND FLOOR
 SALINAS, CALIFORNIA 93901-2680
 (831) 755-4800/FAX (831) 755-4958

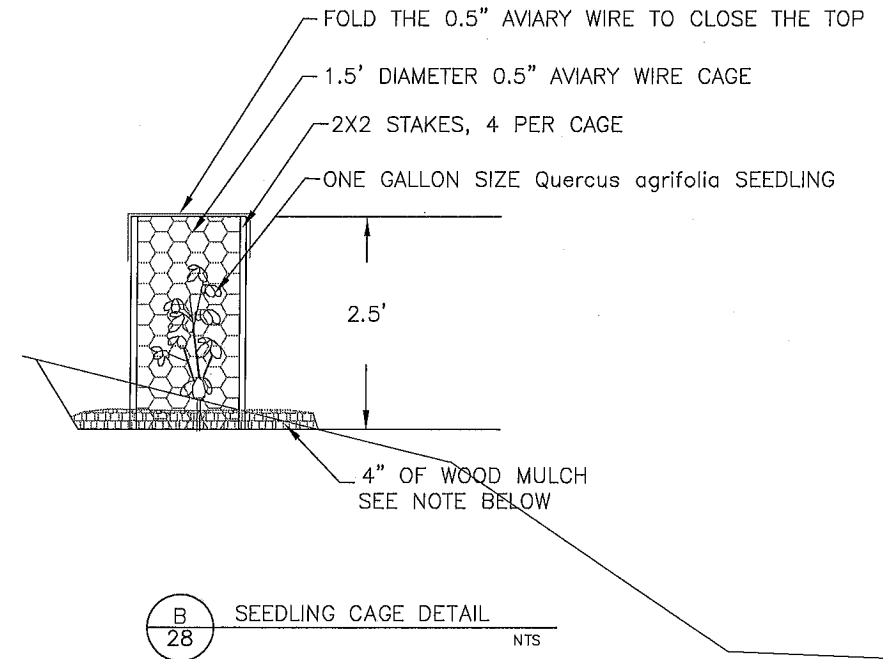
BLACKIE ROAD SAFETY IMPROVEMENTS
 FROM MP 3.25 TO 4.6
 PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)

PLANTING PLAN

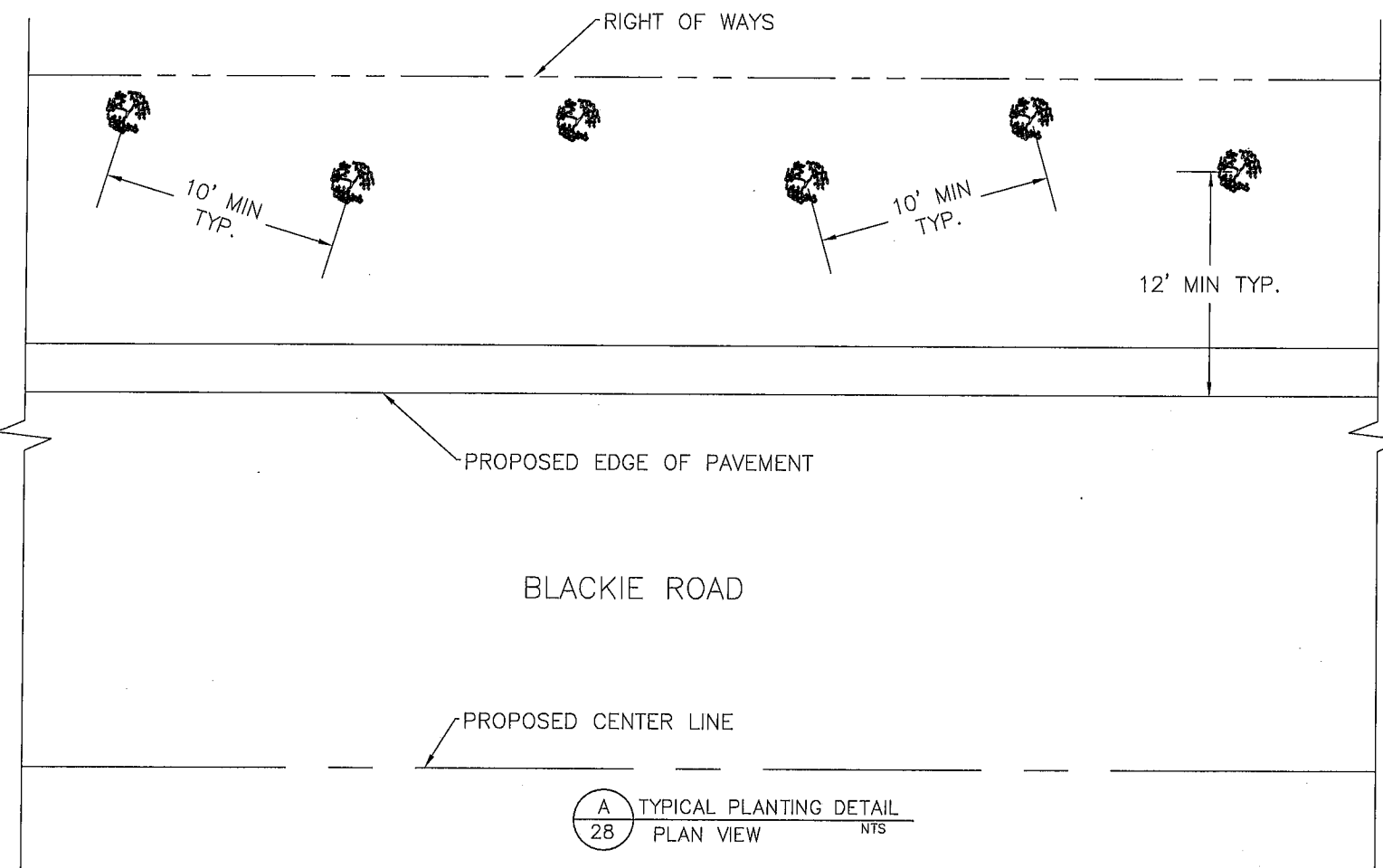
DATE 04/20/2011	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET 26
SCALE 1" = 20'	VIEW PLANTING 1	OF 27



A TYPICAL PLANTING DETAIL
28 ELEVATION NTS



B SEEDLING CAGE DETAIL
28 NTS



A TYPICAL PLANTING DETAIL
28 PLAN VIEW NTS

NOTE:

INITIAL PLANTING

- (1) THE PLANTING AREA FOR THE *Quercus agrifolia* (COAST LIVE OAK) SEEDLINGS SHALL BE CLEANED OF WEEDS AND LEVEL THE AREA APPROXIMATELY 4 FEET IN DIAMETER. DIG APPROXIMATELY 1'X1'X1' HOLE FOR 1 GALLON SEEDLING.
- (2) REMOVE THE PLASTIC POT AND PLANT THE SEEDLING IN THE HOLE AND BACKFILL WITH THE NATIVE SOIL. NO SOIL AMENDMENT SHALL BE ADDED. COVER THE ROOT SYSTEM COMPLETELY TO THE ORIGINAL SOIL LEVEL OF THE SEEDLING. COMPACT LIGHTLY AROUND THE SEEDLINGS.
- (3) WOOD MULCH SHALL BE SPREAD AROUND THE SEEDLINGS APPROXIMATELY 4' IN DIAMETER AND 4 INCHES IN THICKNESS. OAK, PINE, RED WOOD MULCH OR OTHER WOOD MULCH CAN BE USED EXCEPT EUCALYPTUS AND WALNUT MULCH.
- (4) INITIAL WATERING OF TEN GALLONS PER PLANT MINIMUM SHALL BE DONE RIGHT AFTER THE PLANTING OR MUST BE DONE ON THE SAME DAY OF PLANTING.
- (5) INSTALL 2'X2" STAKES AND 1/2 FEET DIAMETER 1/2 INCH AVIARY WIRE CAGE TO PROTECT THE SEEDLING.

FIRST YEAR OF PLANTING

- (1) THE SEEDLINGS MUST BE WATERED BI-WEEKLY DURING THE FIRST YEAR OF PLANTING. NO WATERING IS NEEDED DURING THE WINTER MONTHS FROM THE FIRST MAJOR RAIN STORM ARRIVES OR NOVEMBER THROUGH MARCH.
- (2) MINIMUM OF TEN GALLONS PER PLANT PER WATERING. WATERING MUST BE DONE BY EITHER MANUAL OR IRRIGATION SYSTEM WITH MICRO SPRAYS. NO DRIP IRRIGATION SYSTEM IS ALLOWED.
- (3) CONTRACTOR IS RESPONSIBLE FOR KEEPING THE IRRIGATION SYSTEM IN GOOD WORKING CONDITION DURING THE WATERING PERIOD.
- (4) WEEDING SHALL BE DONE ON REGULAR BASIS TO MAINTAIN THE AREA FREE OF WEEDS AROUND THE SEEDLINGS APPROXIMATELY 4 FEET DIAMETER IN THE MULCHING AREA.
- (5) 4 INCHES OF MULCH SHALL BE MAINTAIN AROUND THE SEEDLINGS TO CONTROL THE WEEDS AND MAINTAIN THE MOISTURE IN THE SOIL. THE EXTRA MULCH SHALL BE ADDED AROUND THE SEEDLINGS AS NEEDED.

SECOND YEAR OF PLANTING

- (1) THE SEEDLINGS SHALL BE WATERED MONTHLY DURING THE SECOND YEAR OF PLANTING. NO WATERING IS NEEDED DURING THE WINTER MONTHS FROM THE FIRST MAJOR RAIN STORM ARRIVES OR NOVEMBER THROUGH MARCH.
- (2) MINIMUM OF TEN GALLONS PER PLANT PER WATERING. WATERING MUST BE DONE BY EITHER MANUAL OR IRRIGATION SYSTEM WITH MICRO SPRAYS. NO DRIP IRRIGATION SYSTEM IS ALLOWED.
- (3) CONTRACTOR IS RESPONSIBLE FOR KEEPING THE IRRIGATION SYSTEM IN GOOD WORKING CONDITION DURING THE WATERING PERIOD.
- (4) WEEDING SHALL BE DONE ON REGULAR BASIS TO MAINTAIN THE WEEDS FREE AREA AROUND THE SEEDLINGS APPROXIMATELY 4 FEET DIAMETER IN THE MULCHING AREA.
- (5) 4 INCHES OF MULCH SHALL BE MAINTAIN AROUND THE SEEDLINGS TO CONTROL THE WEEDS AND MAINTAIN THE MOISTURE IN THE SOIL. THE EXTRA MULCH SHALL BE ADDED AROUND THE SEEDLINGS AS NEEDED.
- (6) IF MORE THAN 10% OF THE ORIGINAL SEEDLINGS DIE DURING THE FIRST YEAR, THE CONTRACTOR SHALL REPLANT THE SEEDLINGS ON HIS OR HER OWN COST. THE SEEDLINGS SHALL BE PLANTED JUST BEFORE THE WINTER SEASON STARTS. THE SEEDLINGS SHALL BE WATER UNTIL THE FIRST RAIN ARRIVES FOR THE WINTER MONTHS.
- (7) THE REPLACEMENT SEEDLINGS MAY REQUIRE MORE WATER DURING SUMMER MONTHS, JUNE THROUGH AUGUST AND IT MAY BE REQUIRED TO WATER BI-WEEKLY UNTIL THEY ARE ESTABLISHED.

THIRD YEAR OF PLANTING

- (1) WATERING THE SEEDLINGS MAY NOT BE REQUIRED IF THE SEEDLINGS ARE ESTABLISHED DURING THE FIRST TWO YEARS OF THE GROWING SEASONS.
- (2) REGULAR WEEDING AND MULCHING SHALL BE DONE MONTHLY TO MAINTAIN THE AREA FREE OF WEEDS AROUND THE SEEDLINGS APPROXIMATELY 4 FEET DIAMETER IN THE MULCHING AREA.
- (3) 4 INCHES OF MULCH SHALL BE MAINTAIN AROUND THE SEEDLINGS TO CONTROL THE WEEDS AND MAINTAIN THE MOISTURE IN THE SOIL. THE EXTRA MULCH SHALL BE ADDED AROUND THE SEEDLINGS AS NEEDED.
- (4) IF MORE THAN 10% OF THE ORIGINAL SEEDLINGS DIE DURING THE SECOND YEAR THE CONTRACTOR SHALL REPLANT THE SEEDLINGS ON HIS OR HER OWN COST. THE SEEDLINGS SHOULD BE PLANTED JUST BEFORE THE WINTER SEASON STARTS. THE SEEDLINGS SHALL BE WATERED UNTIL THE FIRST RAIN STORM ARRIVES FOR THE WINTER MONTHS.
- (5) THE REPLACEMENT SEEDLINGS MAY REQUIRE MORE WATER DURING SUMMER MONTHS, JUNE THROUGH AUGUST AND IT MAY BE REQUIRED TO WATER BI-WEEKLY UNTIL THEY ARE ESTABLISHED.
- (6) THE REPLACEMENT SEEDLINGS SHALL BE TREATED AS NEW PLANTINGS AND WATERED ACCORDING TO FIRST AND SECOND YEAR OF PLANTING SCHEDULES.

SUBMITTED BY: ARTURO A. ADLAWAN, P.E.
SENIOR ENGINEER

DESIGN BY: BARNEY GUZMAN
PROJECT ENGINEER

DRAWN BY: THANT NYUNT

SPECIFICATIONS WRITTEN BY: BARNEY GUZMAN

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

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



NO.	DATE	REVISION	APPROVED
▲			
▲			
▲			
▲			



COUNTY OF MONTEREY
DEPARTMENT OF PUBLIC WORKS
DESIGN SECTION

168 WEST ALISAL STREET, 2ND FLOOR
SALINAS, CALIFORNIA 93901-2680
(831) 755-4800/FAX (831) 755-4958

BLACKIE ROAD SAFETY IMPROVEMENTS FROM MP 3.25 TO 4.6 PROJECT NO. HRRRL-5944(086), HRRRL-5944(091)		
CONSTRUCTION DETAILS		
DATE 04/20/2011	RELATIVE BORDER SCALE: IN INCHES CONS. DETAILS 1 2 3	SHEET 27
SCALE N.T.S.	VIEW PLANTING DETAIL	OF 27