

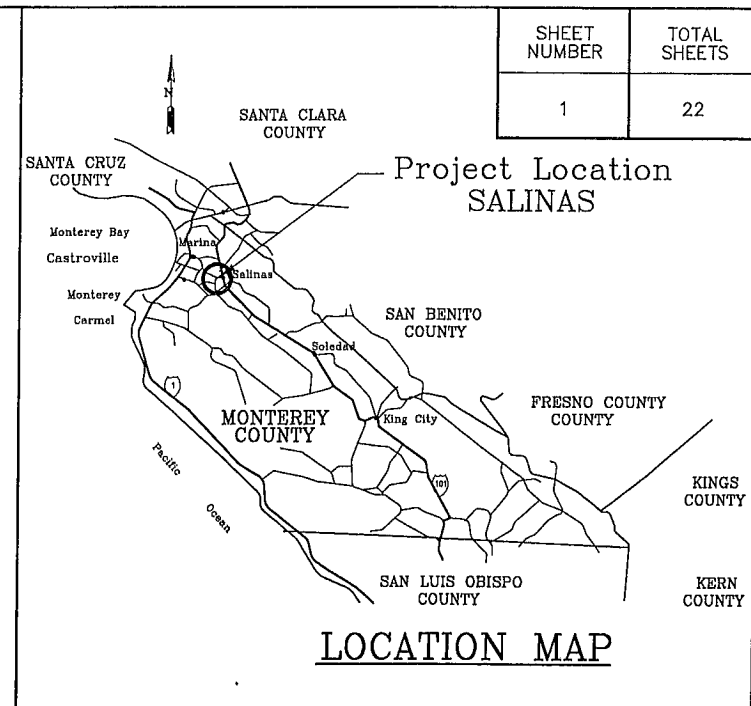
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COUNTY OF MONTEREY
STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

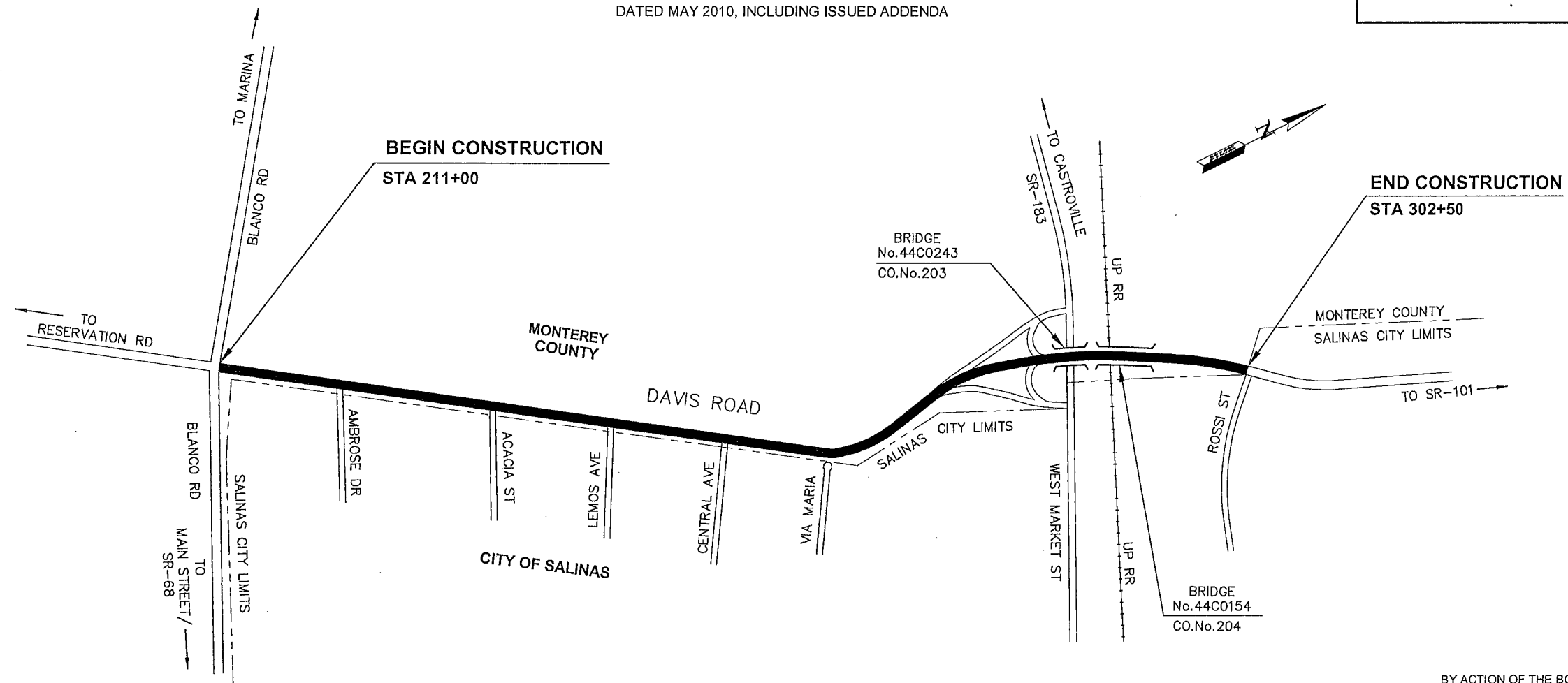
PROJECT PLANS FOR CONSTRUCTION OF
DAVIS ROAD CLASS II BIKEWAY
PROJECT NO. 14-869465
STATE PROJECT NO. 054A2784L
FEDERAL AID PROJECT NO. RPSTPLE 5944(104)

INDEX OF SHEETS

1	TITLE SHEET
2-3	TYPICAL CROSS SECTIONS
4-9	LAYOUT PLAN
10-18	CONSTRUCTION DETAILS
19	CONSTRUCTION AREA SIGNS
20	ELECTRICAL PLAN
21-22	SUMMARY OF QUANTITIES



TO BE SUPPLEMENTED BY CALTRANS STANDARD SPECIFICATIONS AND STANDARD PLANS
DATED MAY 2010, INCLUDING ISSUED ADDENDA

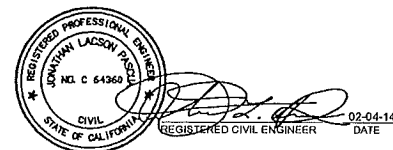


BY ACTION OF THE BOARD OF SUPERVISORS
APPROVED ON _____
PER BOARD ORDER No. _____ PUBLIC WORKS

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. SENIOR CIVIL ENGINEER	
DESIGN BY: J. PASCUA / B. GUZMAN PROJECT ENGINEER	CHKD BY: J.P.
DRAWN BY: T. NYUNT	CHKD BY: B.G.
SPECIFICATIONS WRITTEN BY: BARNEY GUZMAN	CHKD BY: J.P.
APPROVAL RECOMMENDED BY: PAUL H. GREENWAY, P.E. ASSISTANT PUBLIC WORKS DIRECTOR	

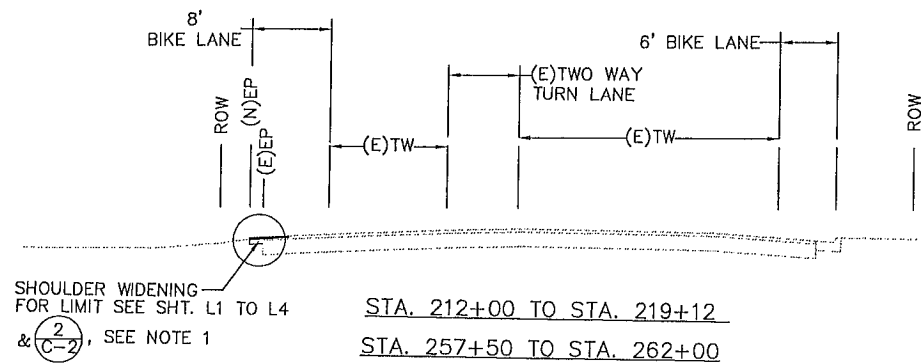
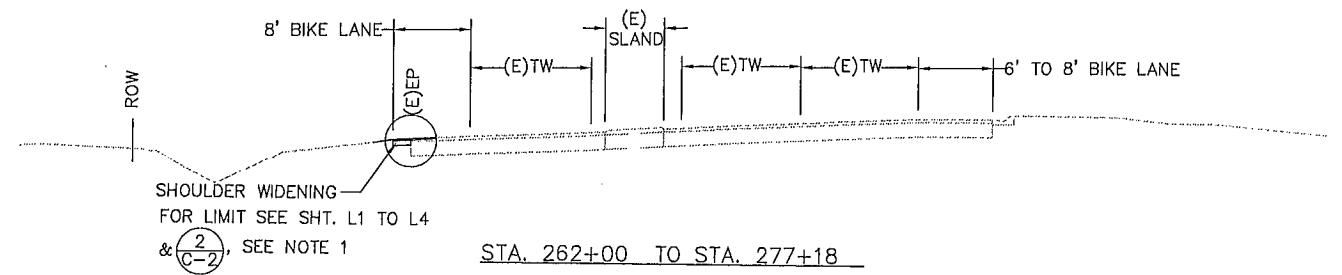
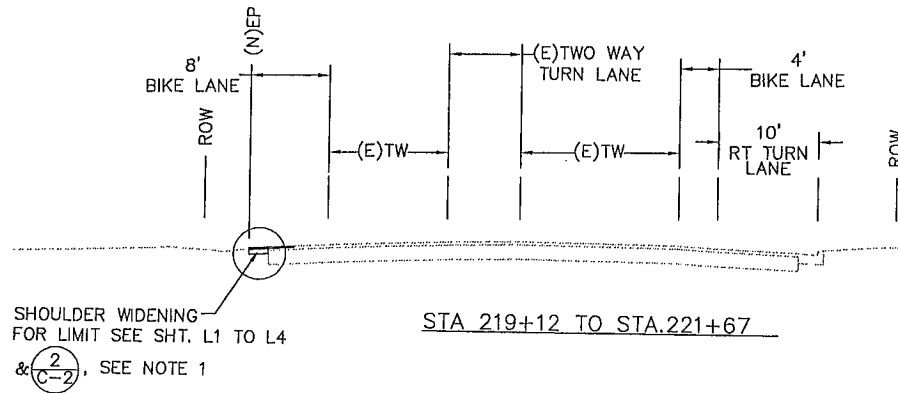
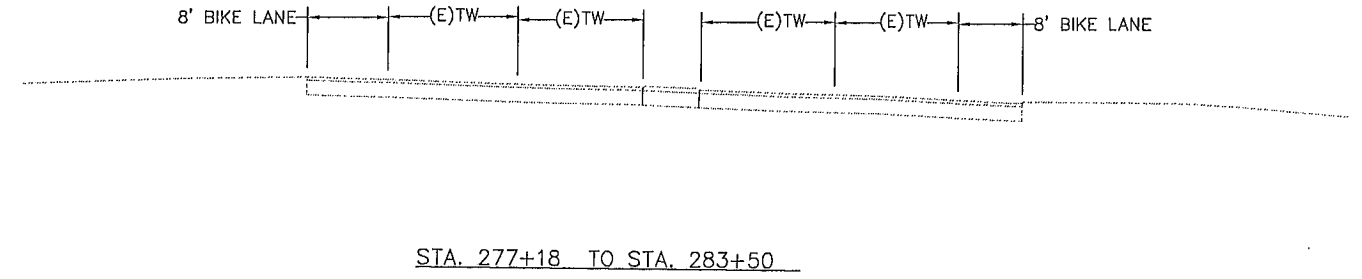
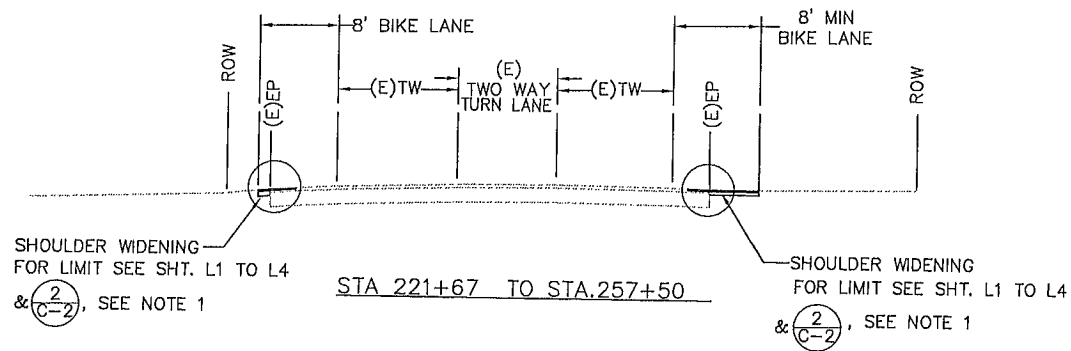


NO.	DATE	REVISION	APPROVED
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COUNTY OF MONTEREY
RESOURCE MANAGEMENT AGENCY
DEPARTMENT OF PUBLIC WORKS
DESIGN SECTION
168 WEST ALISAL STREET, 2nd FLOOR
SALINAS, CALIFORNIA 93901
(831)755-4800/FAX (831)755-4958

DAVIS ROAD CLASS II BIKEWAY		
PROJECT NO. 14-869465		
TITLE SHEET		
DATE 2/4/2014	DRAWING K:\Design\Projects\8694-Davis Rd Class II Bikeway\CAD\Shit title	SHEET TS-1
VIEW TS-1	SCALE NTS	



NOTE:
1. TYPE II SLURRY SEAL ON SHOULDER AREA ONLY.

SUBMITTED BY, JONATHAN L. PASCUA, P.E.
SENIOR CIVIL ENGINEER

DESIGN BY, BARNEY GUZMAN
PROJECT ENGINEER

DRAWN BY, T. NYUNT

SPECIFICATIONS WRITTEN BY, BARNEY GUZMAN

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

CHKD BY .J.P.

CHKD BY .B.G.

CHKD BY .J.P.

REGISTERED PROFESSIONAL ENGINEER
SANTANA LACSON PRO.
NO. 0 84360
CIVIL
STATE OF CALIFORNIA
02-04-14
REGISTERED CIVIL ENGINEER
DATE

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

DESIGN SECTION

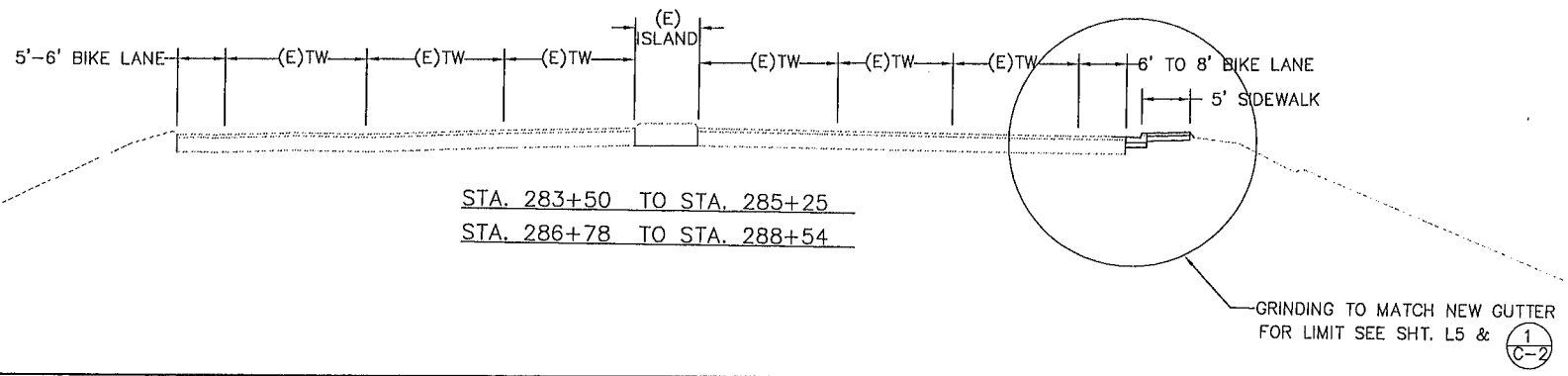
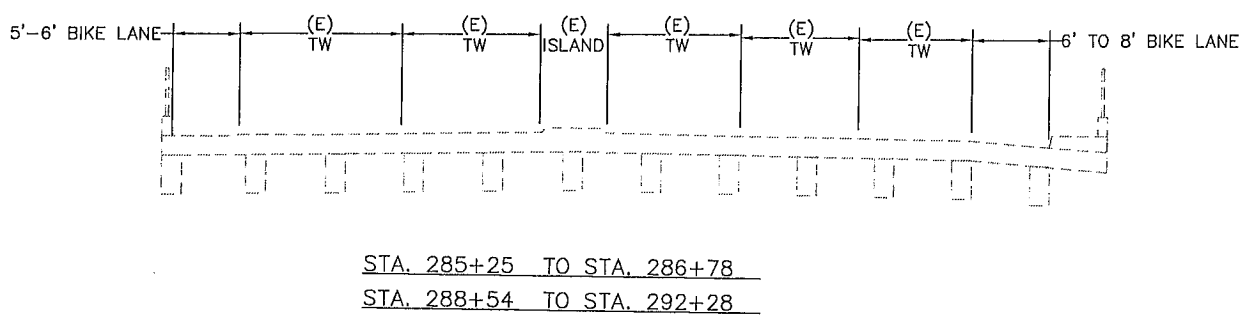
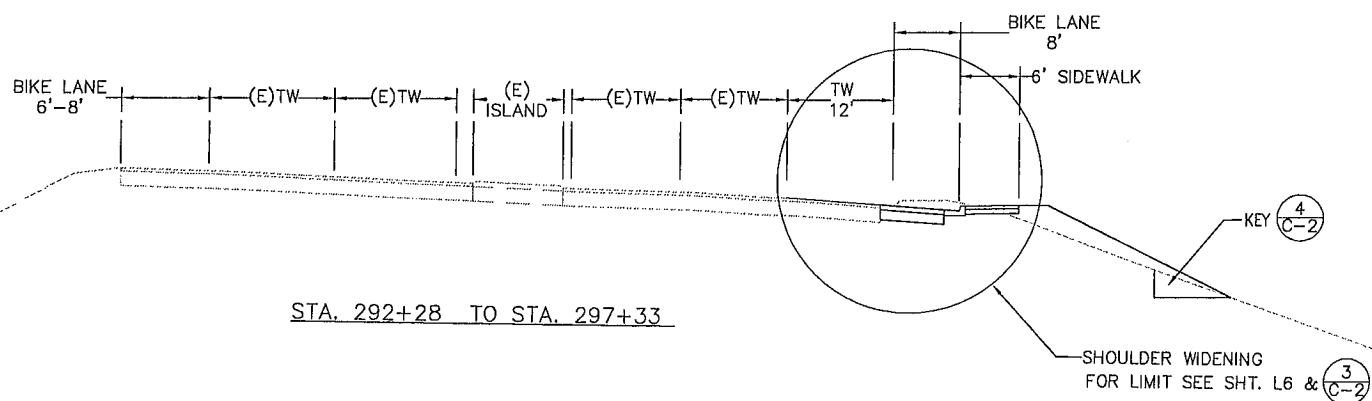
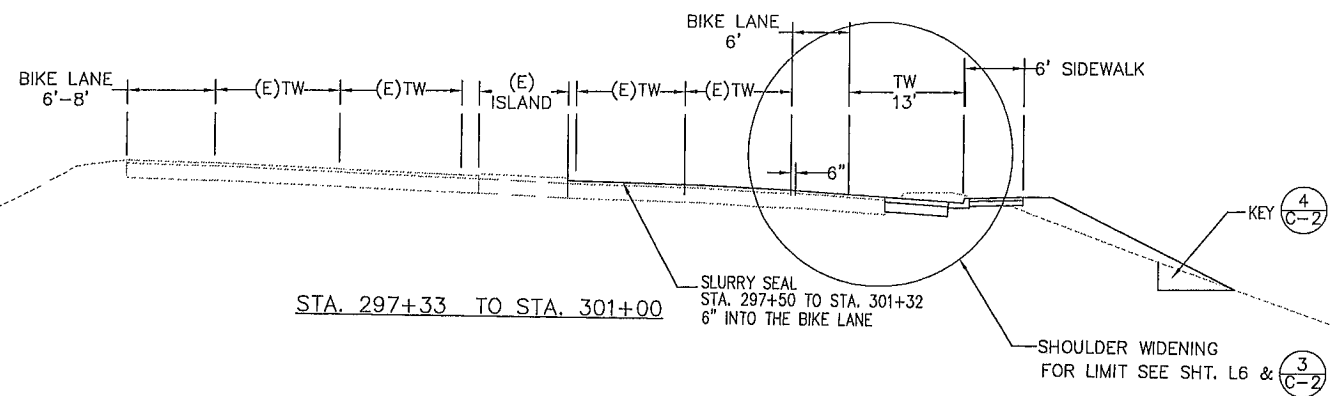
168 WEST ALISAL STREET, 2nd FLOOR
SALINAS, CALIFORNIA 93901
(831)755-4800/FAX (831)755-4958

DAVIS ROAD CLASS II BIKEWAY
CONTRACT NO. 14-869465

TYPICAL CROSS SECTIONS

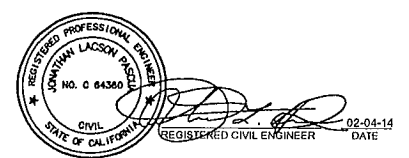
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SUBMITTED BY, JONATHAN L. PACUA, P.E., SENIOR CIVIL ENGINEER
 DESIGN BY, BARNEY GUZMAN, PROJECT ENGINEER
 DRAWN BY, T. NYUNT
 SPECIFICATIONS WRITTEN BY, BARNEY GUZMAN
 APPROVAL RECOMMENDED BY, PAUL H. GREENWAY, P.E., ASSISTANT PUBLIC WORKS DIRECTOR

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



NO.	DATE	REVISION	APPROVED
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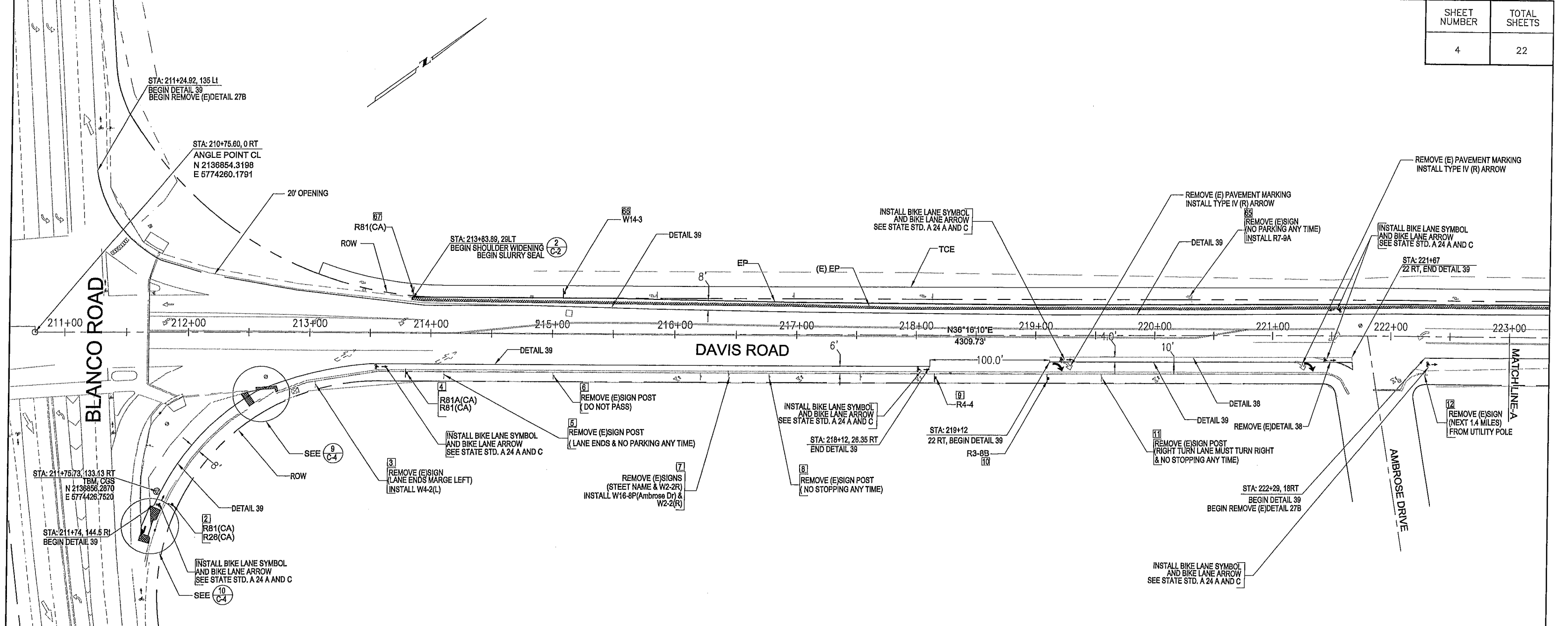


COUNTY OF MONTEREY
 RESOURCE MANAGEMENT AGENCY
 DEPARTMENT OF PUBIC WORKS
 DESIGN SECTION
 168 WEST ALISAL STREET, 2nd FLOOR
 SALINAS, CALIFORNIA 93901
 (831)755-4800/FAX (831)755-4958

DAVIS ROAD CLASS II BIKEWAY
 CONTRACT NO. 14-869465
TYPICAL CROSS SECTIONS

DATE 2/4/2014	RELATIVE BORDER SCALE: IN INCHES 	SHEET X-2
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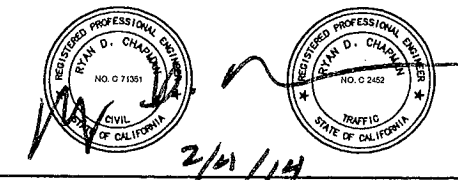


CA MUTCD SIGN	PANEL SIZE (INCHES)	DESCRIPTION
R3-8B	48X30	ADVANCE INTERSECTION LANE CONTROL
R4-4	36X30	BEGIN RIGHT TURN LANE-YIELD TO BIKES
R7-9A	18X12	NO PARKING, BIKE LANE
R26(CA)*	24X36	NO PARKING ANY TIME
R81(CA)*	24x18	BIKE LANE
R81A(CA)*	12X6	BEGIN
W2-2*	36X36	SIDE ROAD
W3-3	30X30	SIGNAL AHEAD
W8-18	30X30	ROAD MAY FLOOD
W11-1	30X30	BICYCLE TRAFFIC
W14-3**	40X30	NO PASSING ZONE
W16-8P*	VARIABLES	ADVANCE STREET NAME (PLAQUE)

*SUPPLEMENTAL SIGNS ON THE SAME POST ARE NOT A SEPARATE BID ITEM.
 **SIGN IS INSTALLED ON LEFT SIDE OF INTENDED DRIVER.

LEGEND:
 APE = AREA OF POTENTIAL EFFECT
 EP = EDGE OF PAVEMENT
 ROW = RIGHT OF WAY
 (E) = EXISTING
 JP = JOINT POLE
 ETW = EDGE OF TRAVEL WAY
 TW = TRAVEL WAY
 TCE = TEMPORARY CONSTRUCTION AREA
 C&G = CURB & GUTTER
 [] = SIGN NO. (SEE Q-2)
 [] COLD PLANE AREA

SUBMITTED BY, JONATHAN L. PASCUA, P.E., SENIOR CIVIL ENGINEER
 DESIGN BY, JONATHAN L. PASCUA, P.E.
 DRAWN BY, T. NYUNT
 SPECIFICATIONS WRITTEN BY, BARNEY GUZMAN
 APPROVAL RECOMMENDED BY, PAUL H. GREENWAY, P.E., ASSISTANT PUBLIC WORKS DIRECTOR
 CHKD BY .R.C.
 CHKD BY .R.C., J.P., BG
 CHKD BY .J.P.



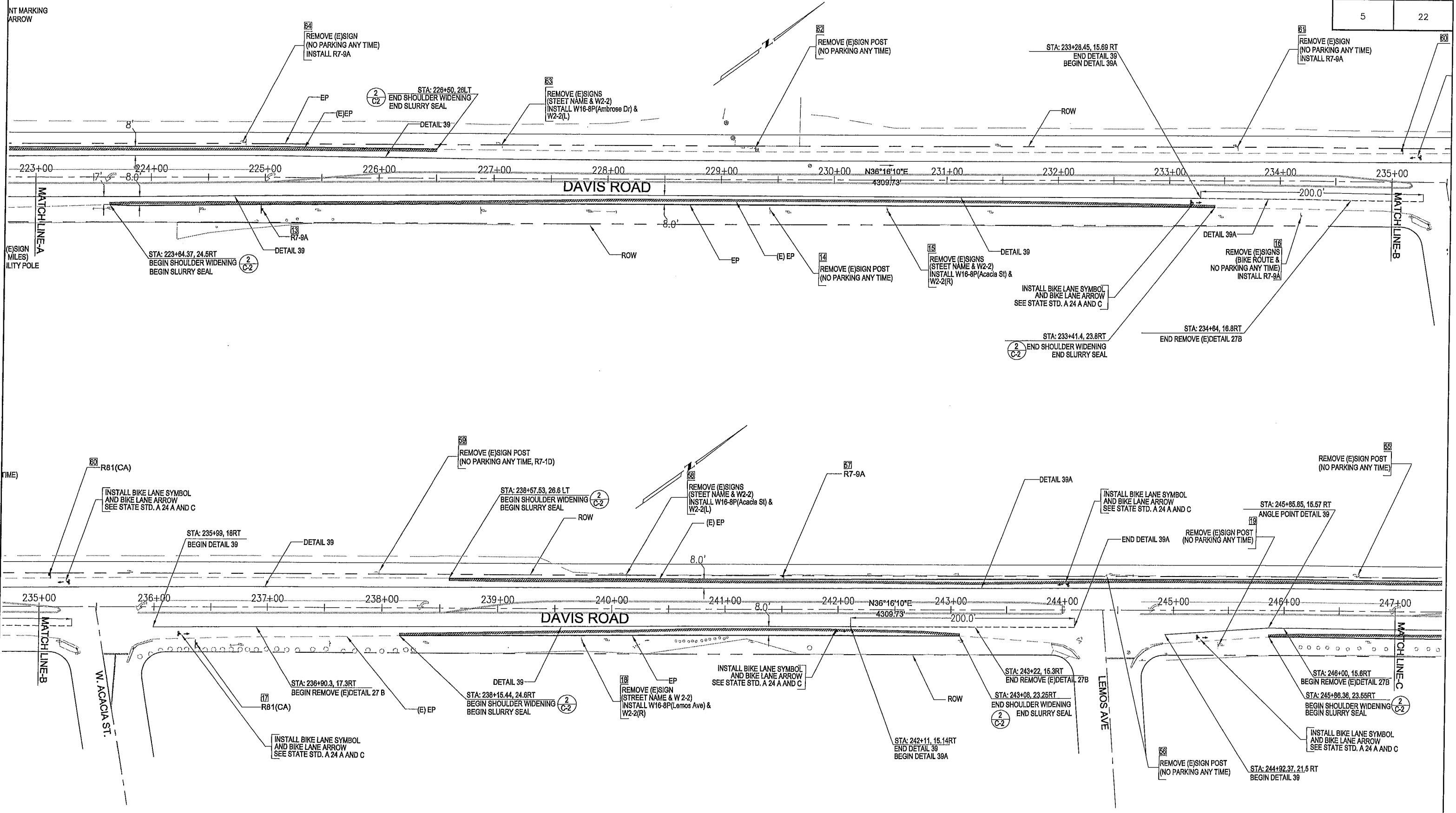
NO.	DATE	REVISION	APPROVED



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

DAVIS ROAD CLASS II BIKEWAY PROJECT
 PROJECT NO. 869465
 LAYOUT PLAN
 DATE 2/4/2014
 SCALE 1:40
 RELATIVE BORDER SCALE: IN INCHES
 VIEW 11X17 LAYOUT 1
 SHEET L-1

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SUBMITTED BY, JONATHAN L. PASCUA, P.E.
 SENIOR CIVIL ENGINEER

DESIGN BY, JONATHAN L. PASCUA, P.E.
 CHKD BY, R.C.

DRAWN BY, T. NYUNT.
 CHKD BY, R.C., J.P., B.G.

SPECIFICATIONS WRITTEN BY, BARNEY GUZMAN
 CHKD BY, J.P.

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

NO.	DATE	REVISION	APPROVED



COUNTY OF MONTEREY
 RESOURCE MANAGEMENT AGENCY
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DESIGN SECTION

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

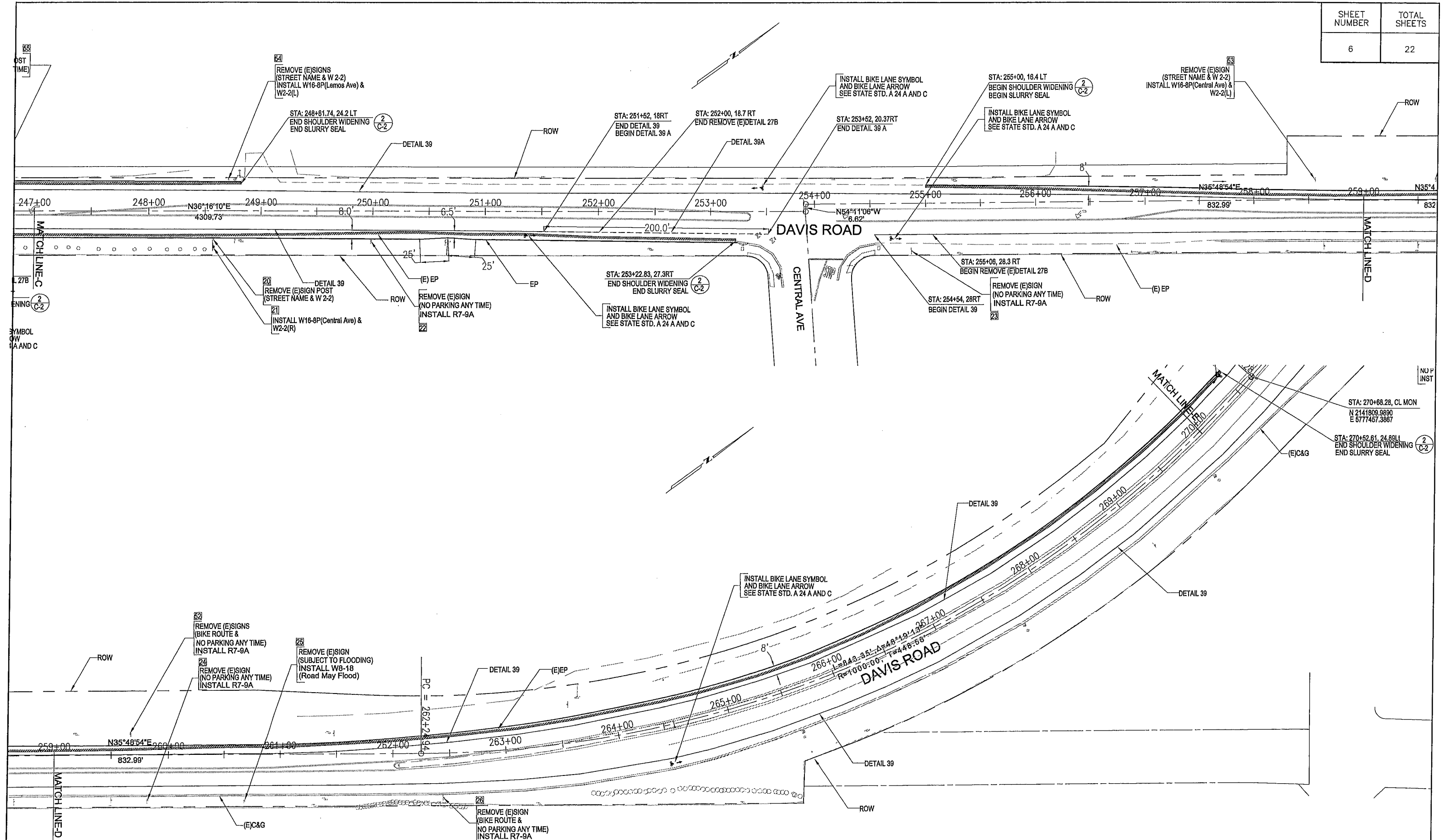
DAVIS ROAD CLASS II BIKEWAY
 PROJECT NO. 14-869465

LAYOUT PLAN

DATE 2/4/2014	RELATIVE BORDER SCALE: IN INCHES 	SHEET L-2
SCALE 1:40	VIEW 11X17 LAYOUT 2	

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SHEET NUMBER	TOTAL SHEETS
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SUBMITTED BY: JONATHAN L. PASCUA, P.E., SENIOR CIVIL ENGINEER
 DESIGN BY: JONATHAN L. PASCUA, P.E.
 DRAWN BY: T. NYUNT
 SPECIFICATIONS WRITTEN BY: BARNEY GUZMAN
 APPROVAL RECOMMENDED BY: PAUL H. GREENWAY, P.E., ASSISTANT PUBLIC WORKS DIRECTOR

CHKD BY: R.C.
 CHKD BY: R.C., J.P., B.G.
 CHKD BY: J.P.

Professional Engineer stamps for Ryan D. Chapman (No. C 71351) and Ryan D. Chapman (No. C 2482).

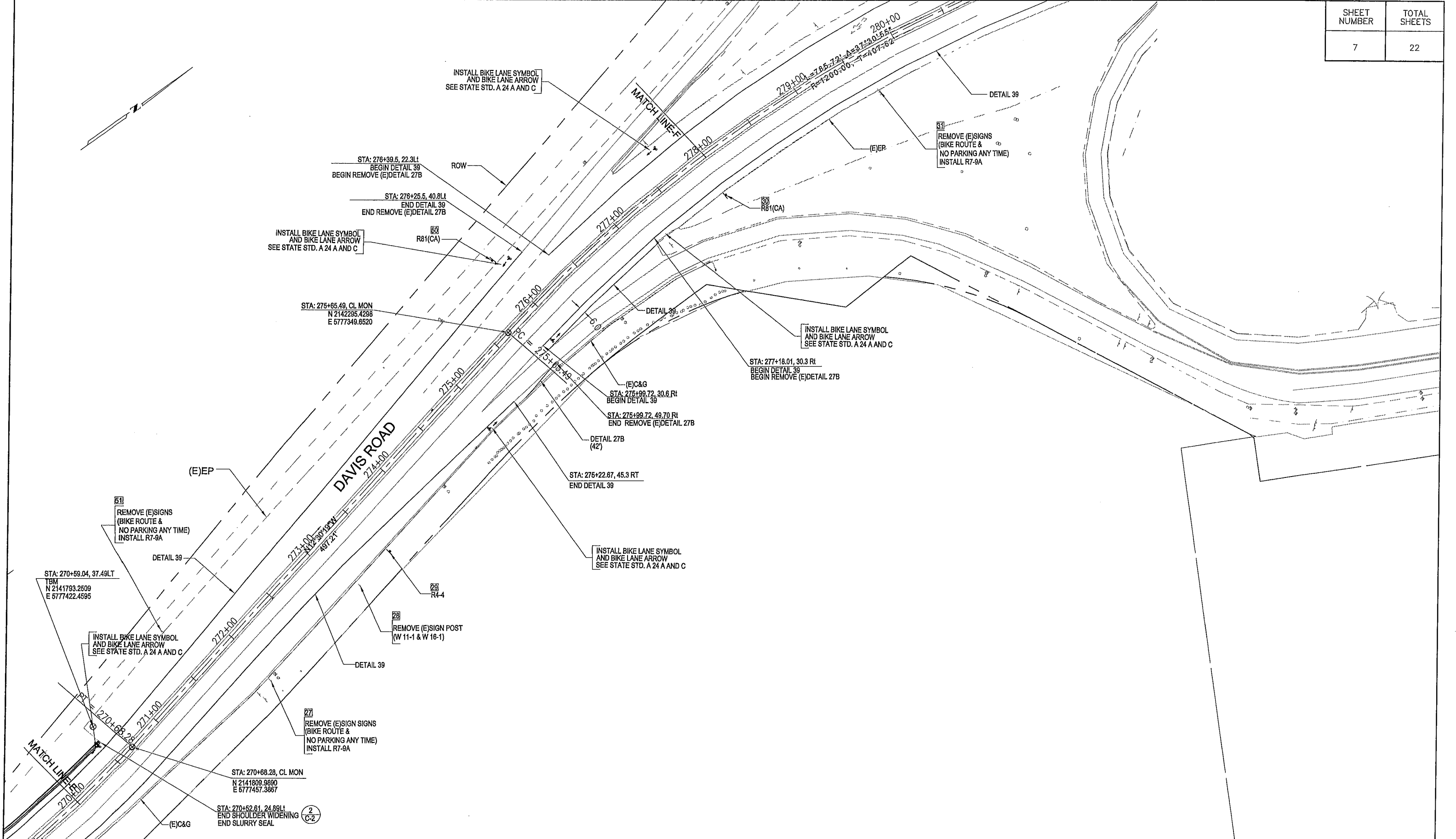
NO.	DATE	REVISION	APPROVED

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

DAVIS ROAD CLASS II BIKEWAY
 PROJECT NO. 14-869465
 LAYOUT PLAN

DATE: 2/4/2014
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 RELATIVE BORDER SCALE: IN INCHES
 SHEET L-3

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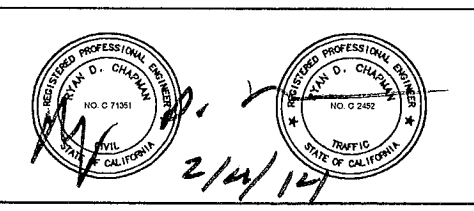
SUBMITTED BY: JONATHAN L. PASCUA, P.E.
SENIOR CIVIL ENGINEER

DESIGN BY: JONATHAN L. PASCUA, P.E. CHKD BY: R.C.

DRAWN BY: T. NYUNT CHKD BY: R.C., J.P., B.G.

SPECIFICATIONS WRITTEN BY: BARNEY GUZMAN CHKD BY: J.P.

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



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

DESIGN SECTION

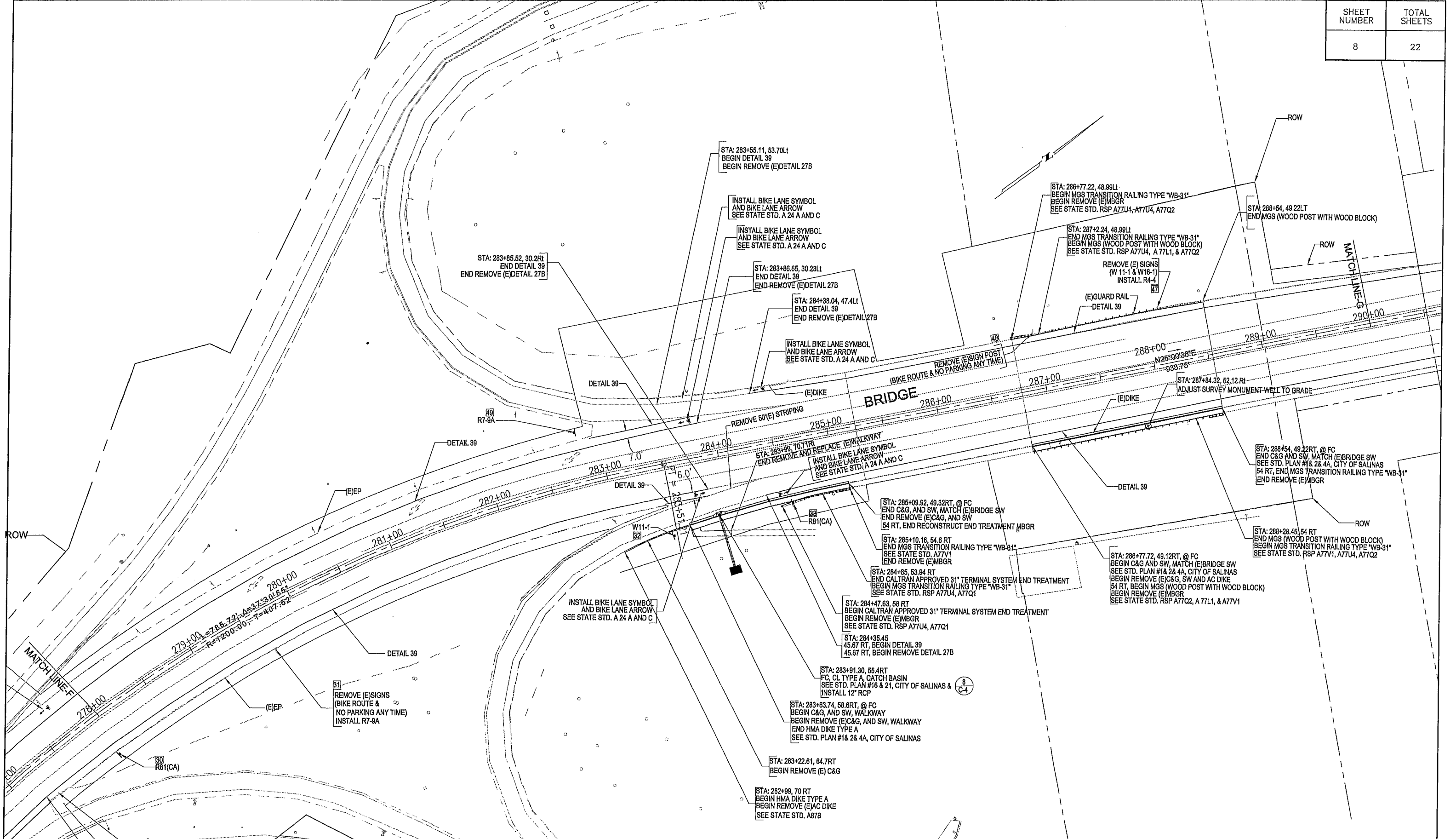
168 WEST ALISAL STREET, 2nd FLOOR
 SALINAS, CALIFORNIA 93901
 (831)755-4800/FAX (831)755-4958

DAVIS ROAD CLASS II BIKEWAY PROJECT
 PROJECT NO. 14-869465

LAYOUT PLAN

DATE 2/4/2014	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET L-4
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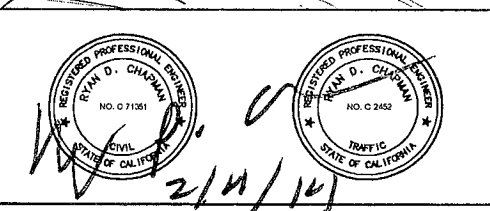
SUBMITTED BY, JONATHAN L. PASCUA, P.E.
 SENIOR CIVIL ENGINEER

DESIGN BY, JONATHAN L. PASCUA, P.E. CHKD BY, J.R.C.

DRAWN BY, T. NYUNT CHKD BY, J.R.C., J.P., B.G.

SPECIFICATIONS WRITTEN BY, BARNEY GUZMAN CHKD BY, J.P.

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



NO.	DATE	REVISION	APPROVED

COUNTY OF MONTEREY
 RESOURCE MANAGEMENT AGENCY
 DEPARTMENT OF PUBIC WORKS

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

DAVIS ROAD CLASS II BIKEWAY
 PROJECT NO. 14-869465

LAYOUT PLAN

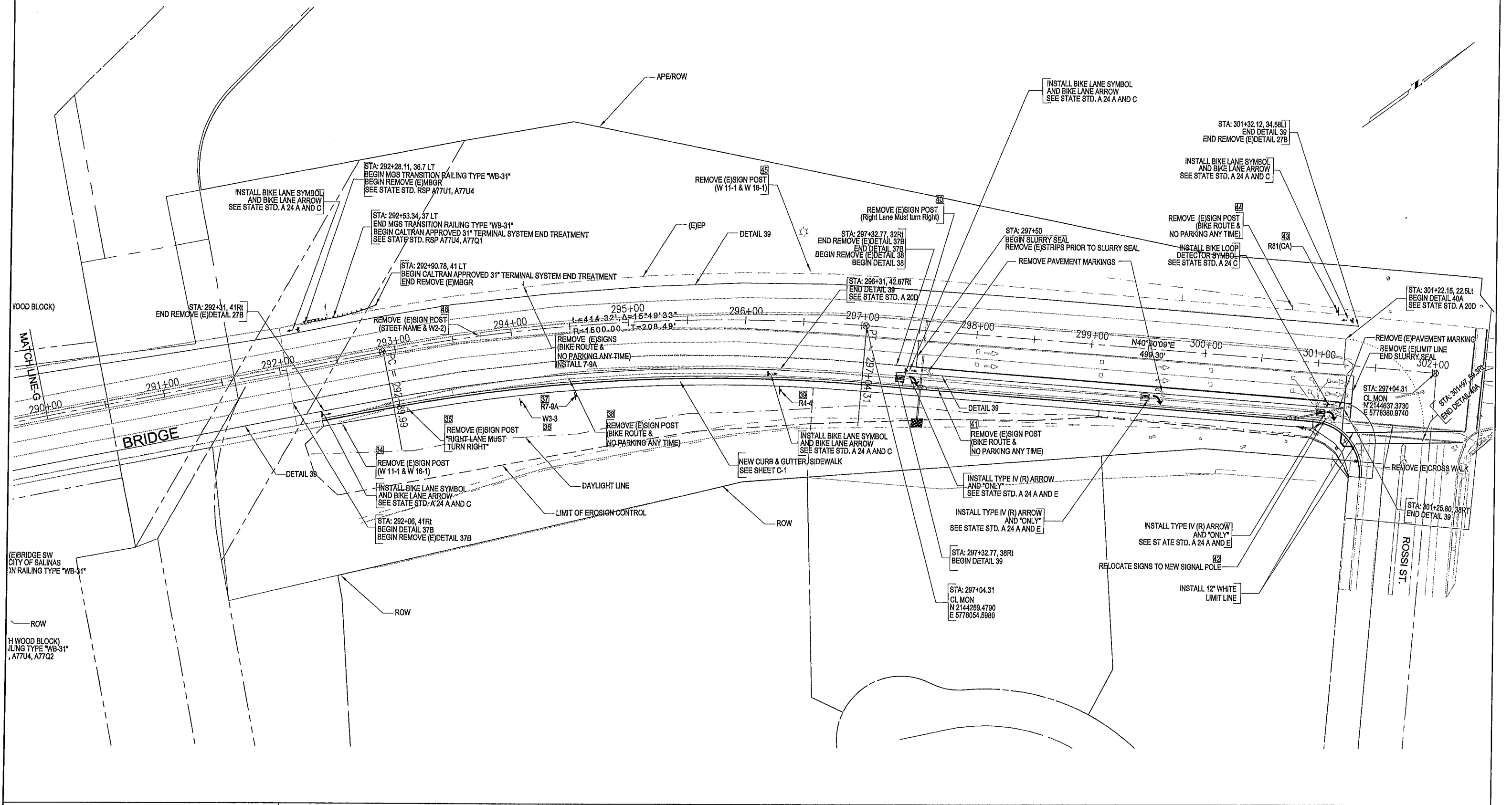
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RELATIVE BORDER SCALE: IN INCHES
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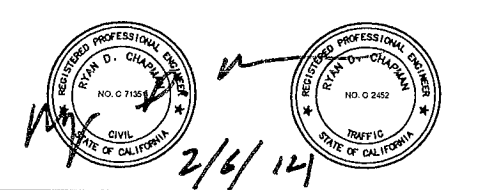
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SHEET NUMBER	TOTAL SHEETS
9	22



SUBMITTED BY, JONATHAN L. PASCUA, P.E.
 SENIOR CIVIL ENGINEER
 DESIGN BY, JONATHAN L. PASCUA, P.E.
 CHKD BY .R.C.
 DRAWN BY, T. NYUNT
 CHKD BY .R.C., J.P., B.G.
 SPECIFICATIONS WRITTEN BY BARNEY GUZMAN
 CHKD BY .J.P.
 APPROVAL RECOMMENDED BY, PAUL H. GREENWAY, P.E.
 ASSISTANT PUBLIC WORKS DIRECTOR

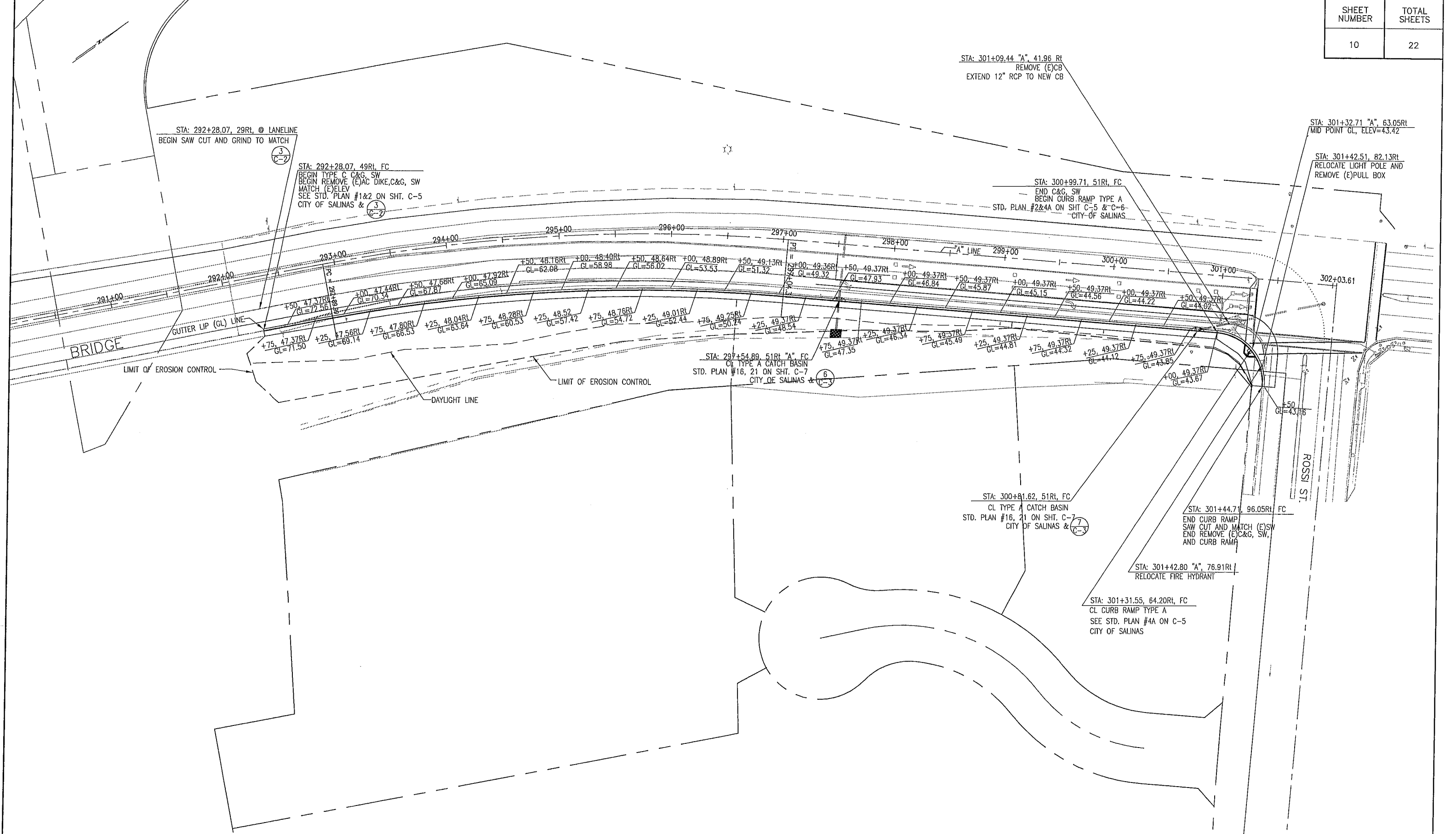


NO.	DATE	REVISION	APPROVED
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COUNTY OF MONTEREY
 RESOURCE MANAGEMENT AGENCY
 DEPARTMENT OF PUBLIC WORKS
 DESIGN SECTION
 168 WEST ALISAL STREET, 2nd FLOOR
 SALINAS, CALIFORNIA 93901
 (831)755-4800/FAX (831)755-4958

DAVIS ROAD CLASS II BIKEWAY
 CONTRACT NO. 14-869465
 LAYOUT PLAN
 DATE 2/4/2014
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 VIEW 11X17 LAYOUT 6
 SHEET L-6

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SUBMITTED BY, JONATHAN L. PASCUA, P.E.
 SENIOR CIVIL ENGINEER

DESIGN BY, BARNEY GUZMAN
 PROJECT ENGINEER

DRAWN BY, T. NYUNT

SPECIFICATIONS WRITTEN BY, BARNEY GUZMAN

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

CHKD BY, J.P.

CHKD BY, B.G.

CHKD BY, J.P.

REGISTERED PROFESSIONAL ENGINEER
 JONATHAN L. PASCUA
 NO. C 64360
 EXP. 06-30-15
 CIVIL
 STATE OF CALIFORNIA
 REGISTERED CIVIL ENGINEER
 DATE 02-04-14

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

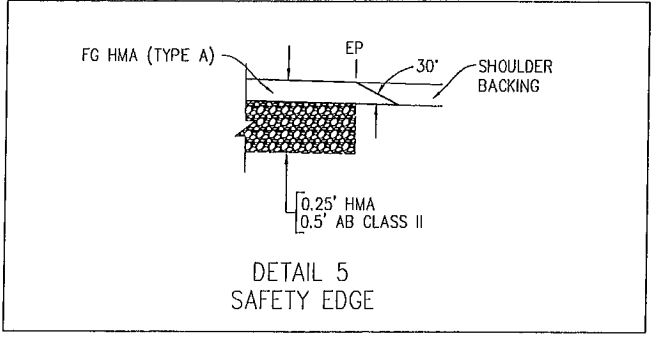
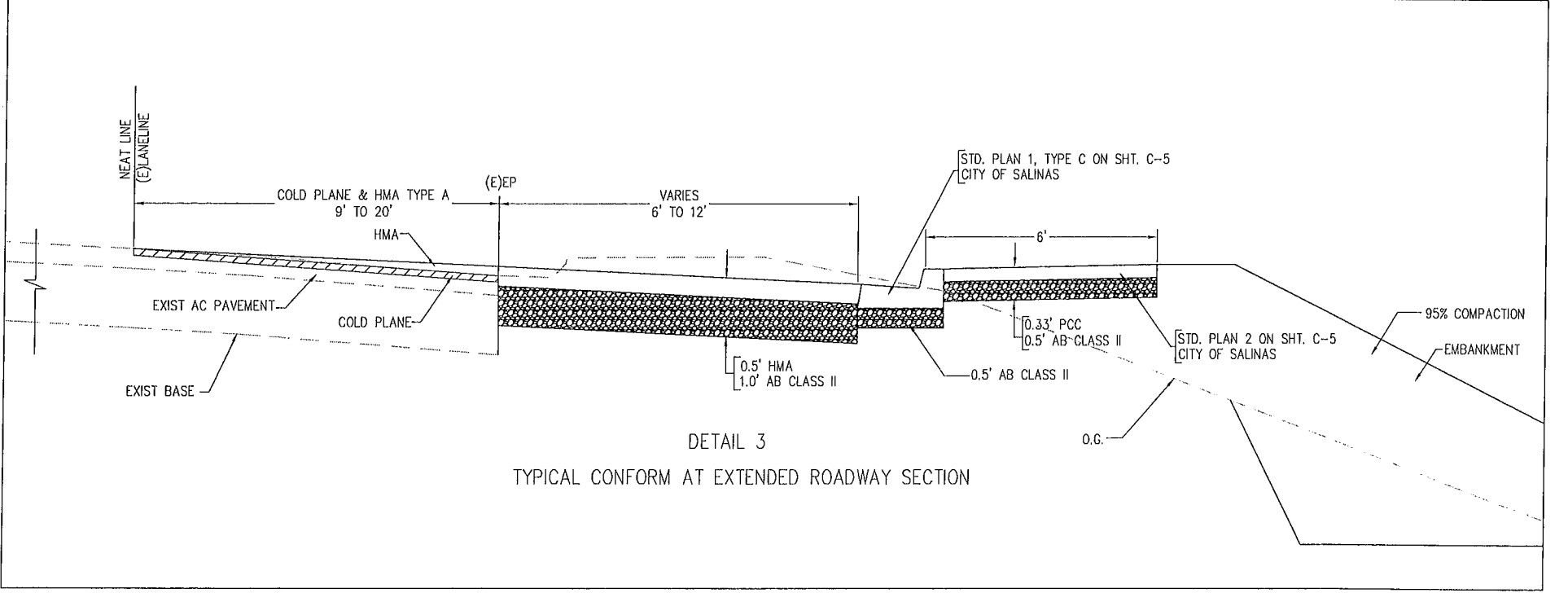
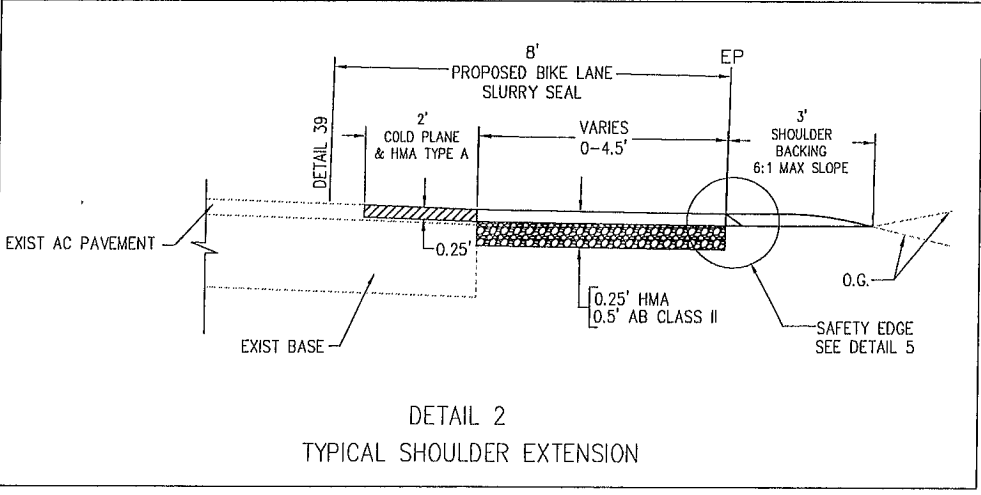
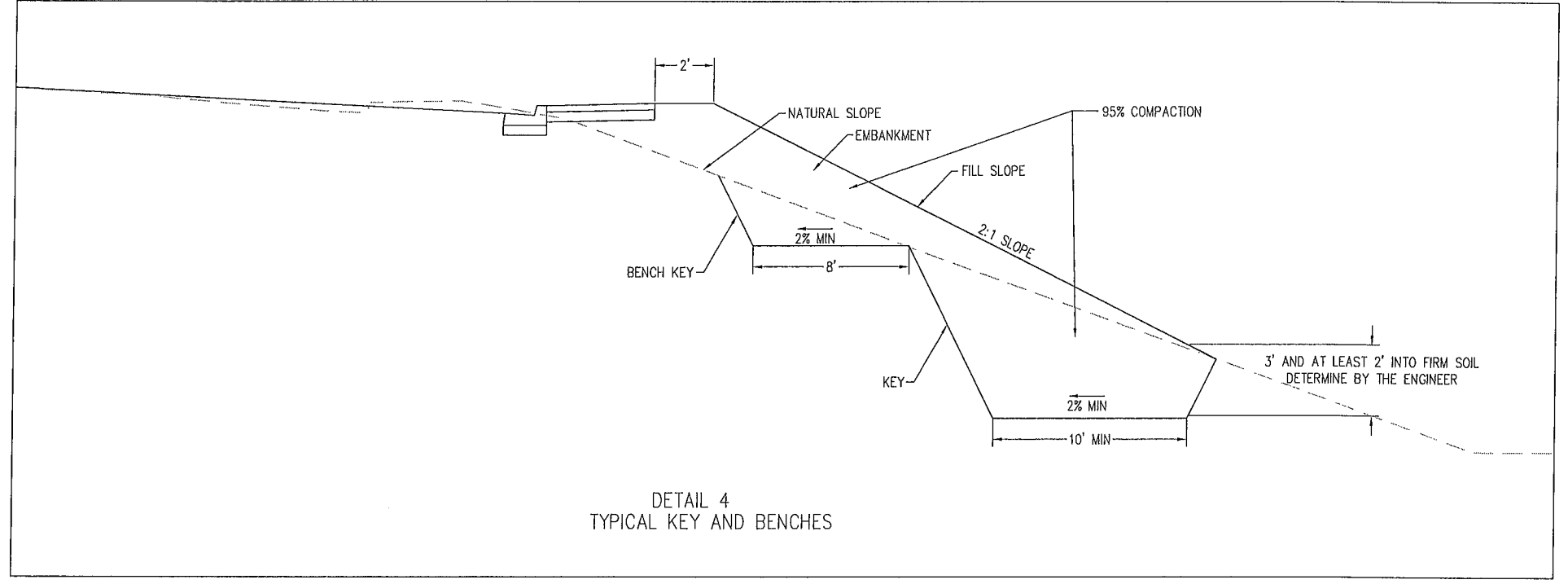
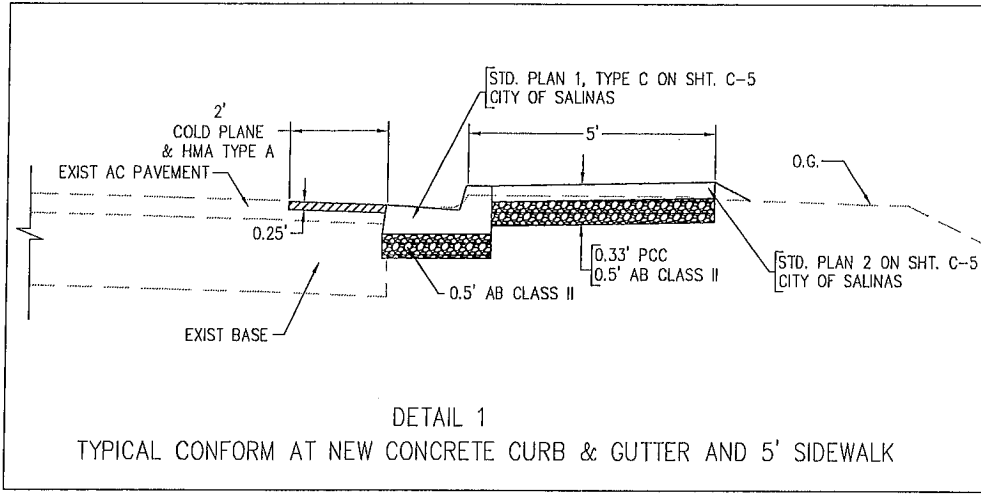
DAVIS ROAD CLASS II BIKEWAY
 CONTRACT NO. 14-869465
 CONSTRUCTION DETAIL

DATE 2/4/2014
 VIEW 1:40

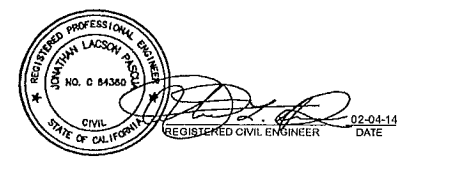
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 SCALE CONST DETAIL C-1

SHEET C-1

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SUBMITTED BY, JONATHAN L. PASCUA, P.E.
 SENIOR CIVIL ENGINEER
 DESIGN BY, BARNEY GUZMAN
 PROJECT ENGINEER
 DRAWN BY, T. NYUNT
 SPECIFICATIONS WRITTEN BY, BARNEY GUZMAN
 APPROVAL RECOMMENDED BY, PAUL H. GREENWAY, P.E.
 ASSISTANT PUBLIC WORKS DIRECTOR



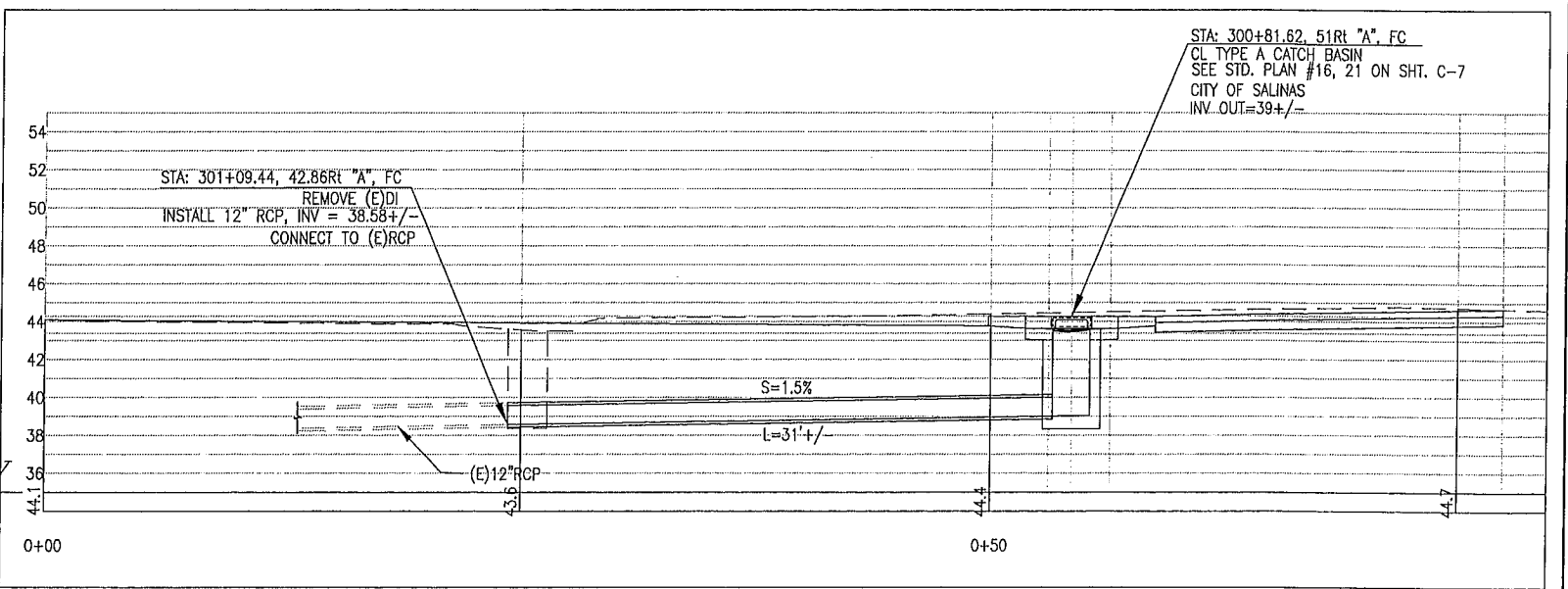
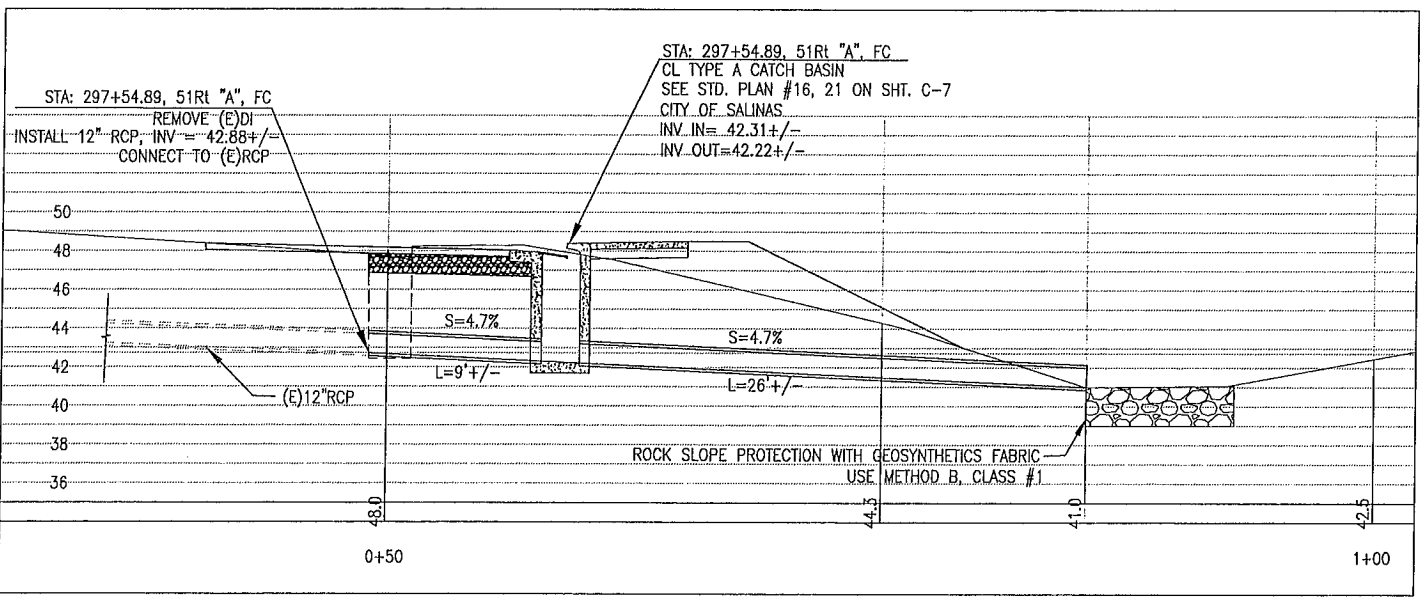
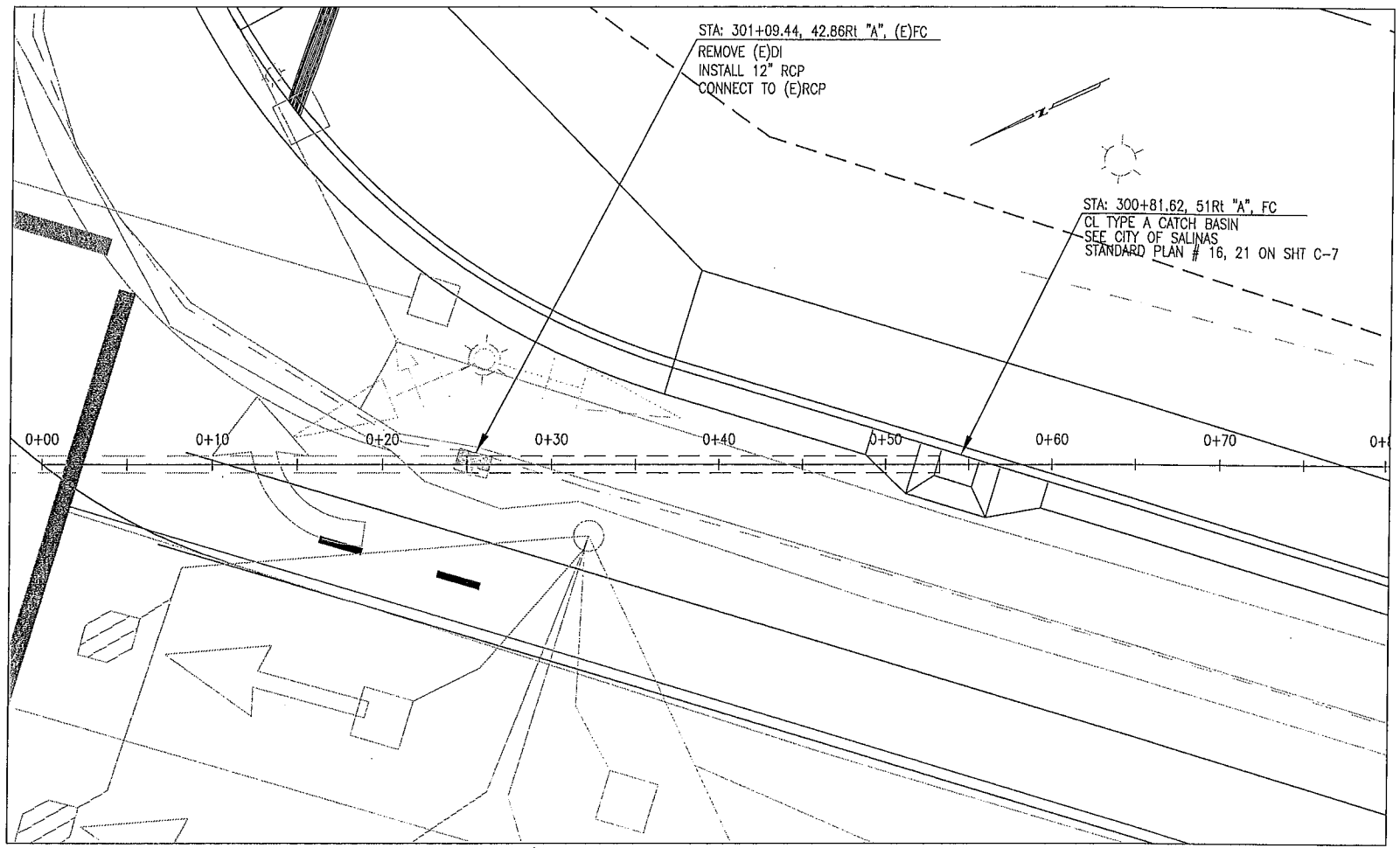
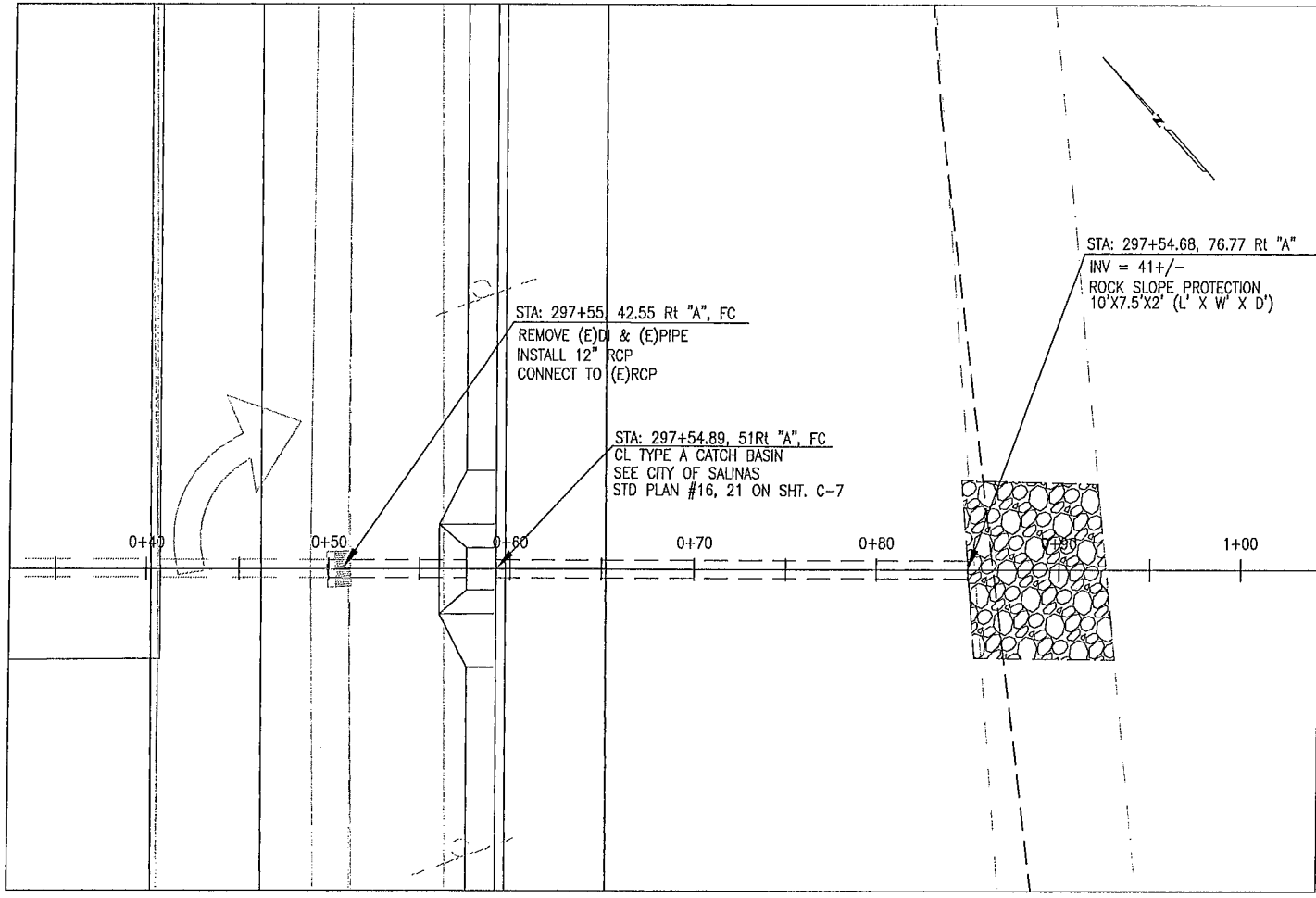
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COUNTY OF MONTEREY
 RESOURCE MANAGEMENT AGENCY
 DEPARTMENT OF PUBIC WORKS
 DESIGN SECTION
 168 WEST ALISAL STREET, 2nd FLOOR
 SALINAS, CALIFORNIA 93901
 (831)755-4800/FAX (831)755-4958

DAVIS ROAD CLASS II BIKEWAY
 CONTRACT NO. 14-869465
 CONSTRUCTION DETAILS
 DATE: 2/4/2014
 VIEW: N.T.S.
 RELATIVE BORDER SCALE: IN INCHES
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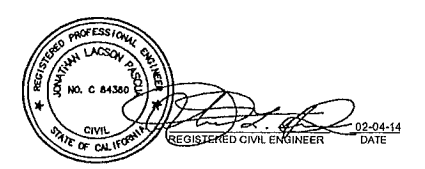
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DRAINAGE DETAIL 6

DRAINAGE DETAIL 7

SUBMITTED BY, JONATHAN L. PASCUA, P.E.
 SENIOR CIVIL ENGINEER
 DESIGN BY, BARNEY GUZMAN
 PROJECT ENGINEER
 DRAWN BY, T. NYUNT
 SPECIFICATIONS WRITTEN BY, BARNEY GUZMAN
 APPROVAL RECOMMENDED BY, PAUL H. GREENWAY, P.E.
 ASSISTANT PUBLIC WORKS DIRECTOR



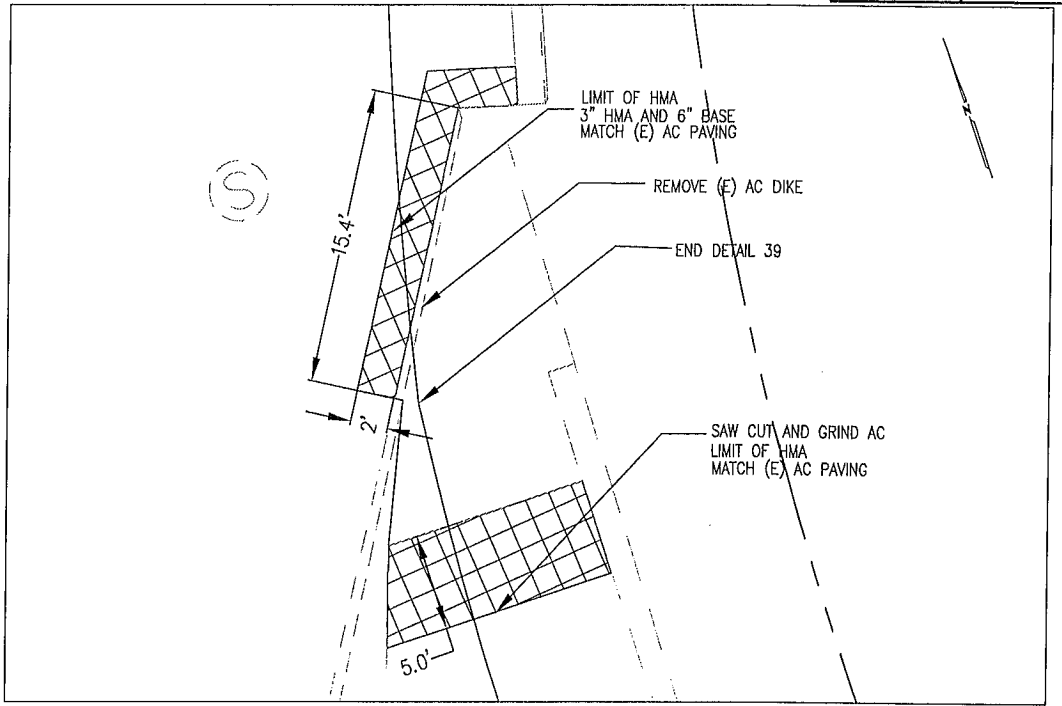
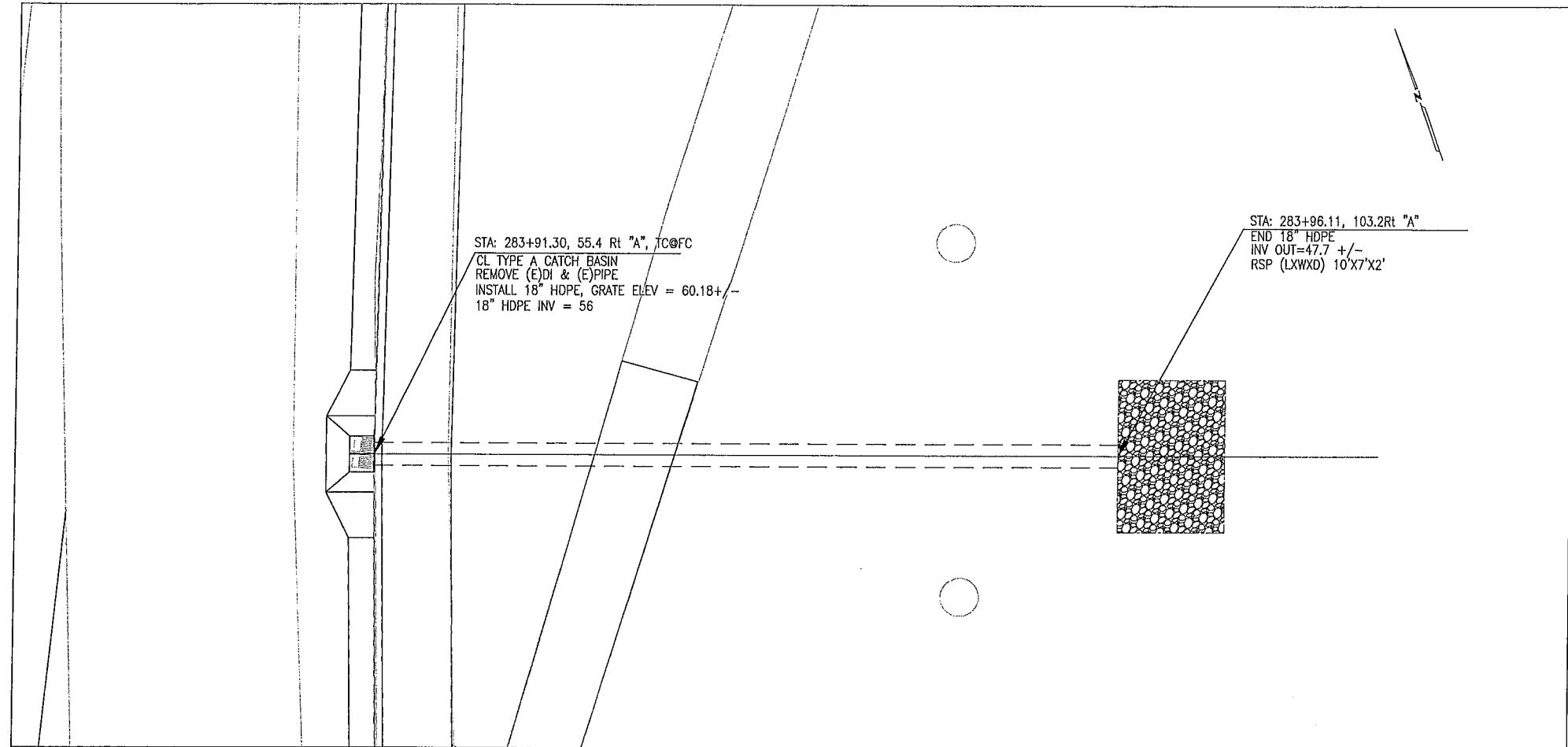
NO.	DATE	REVISION	APPROVED
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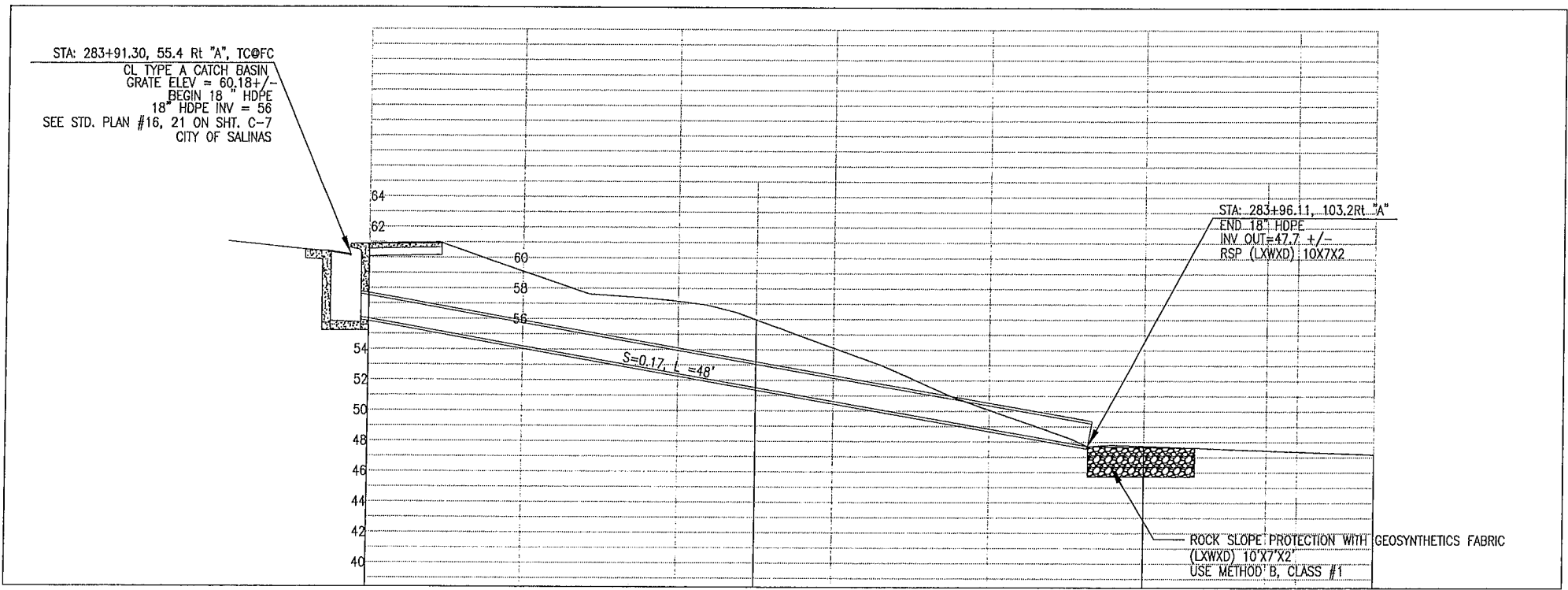
COUNTY OF MONTEREY
 RESOURCE MANAGEMENT AGENCY
 DEPARTMENT OF PUBIC WORKS
 DESIGN SECTION
 168 WEST ALISAL STREET, 2nd FLOOR
 SALINAS, CALIFORNIA 93901
 (831)755-4800/FAX (831)755-4958

DAVIS ROAD CLASS II BIKEWAY
 CONTRACT NO. 14-869465
 CONSTRUCTION DETAIL
 DATE 2/4/2014
 VIEW 1:5
 RELATIVE BORDER SCALE: IN INCHES
 SCALE C-3
 SHEET C-3

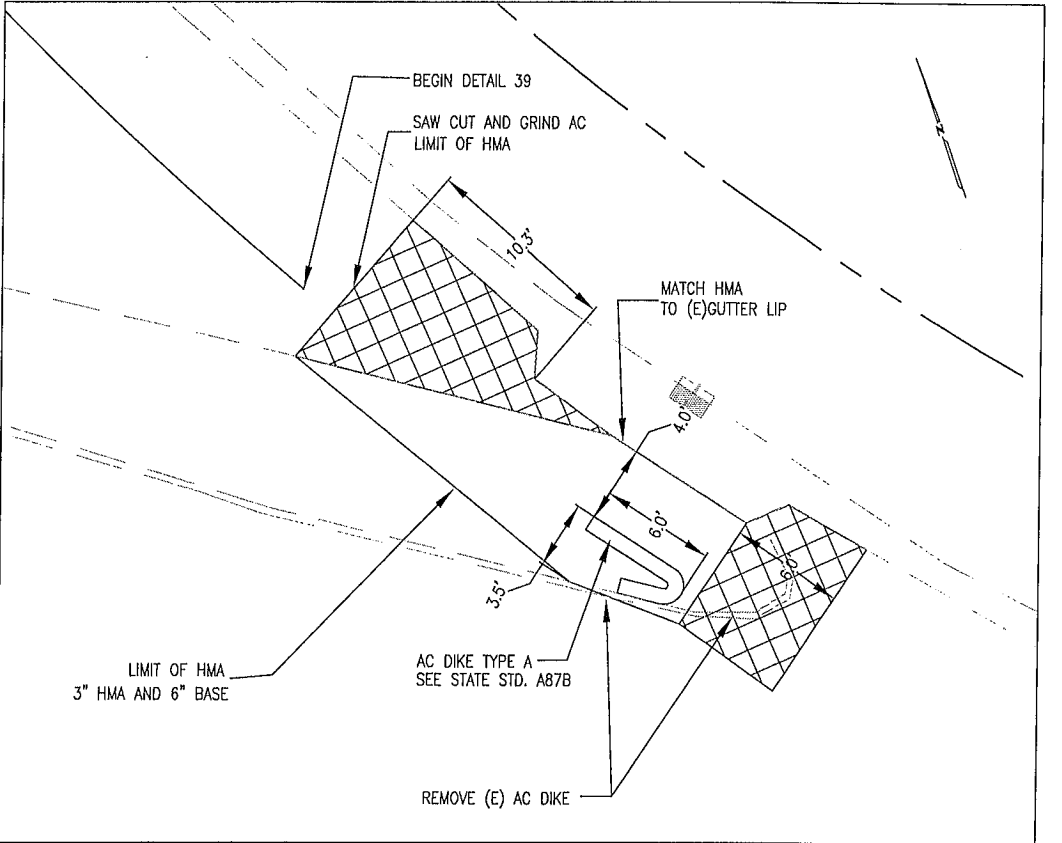
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BICYCLE RAMP DETAIL 9

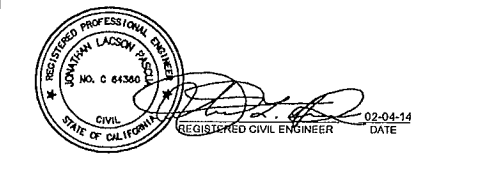


DRAINAGE DETAIL 8



BICYCLE RAMP DETAIL 10

SUBMITTED BY JONATHAN L. PASCUA, P.E.
 SENIOR CIVIL ENGINEER
 DESIGN BY BARNEY GUZMAN
 PROJECT ENGINEER
 DRAWN BY T. NYUNT
 SPECIFICATIONS WRITTEN BY BARNEY GUZMAN
 APPROVAL RECOMMENDED BY PAUL H. GREENWAY, P.E.
 ASSISTANT PUBLIC WORKS DIRECTOR



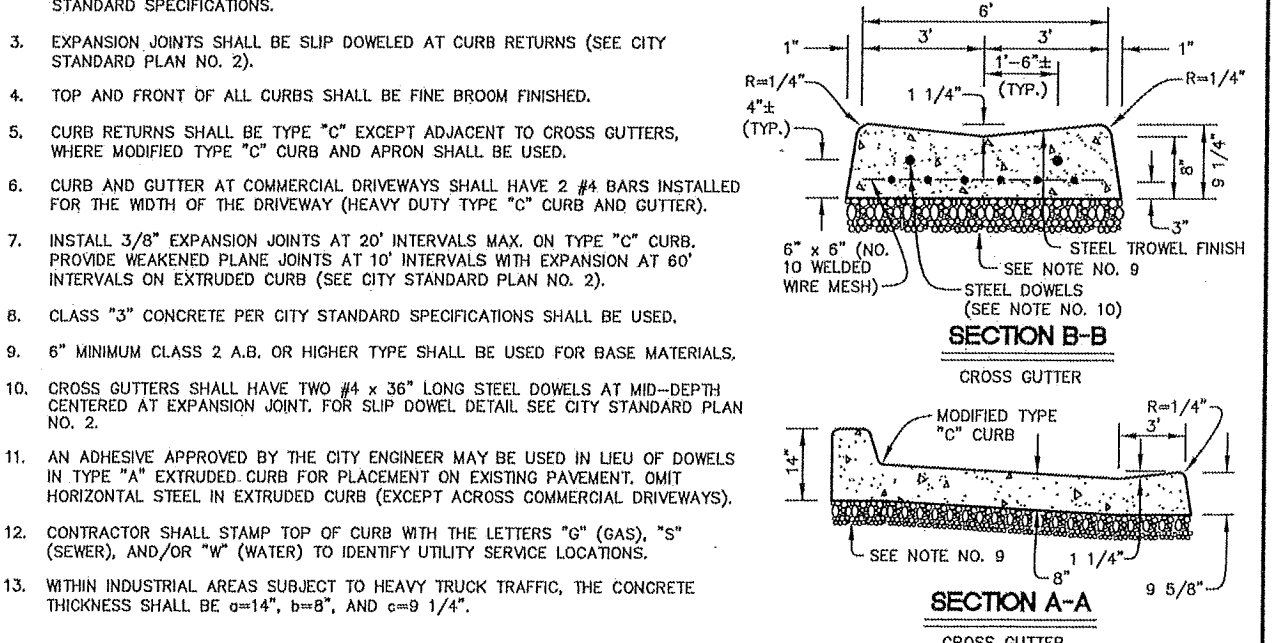
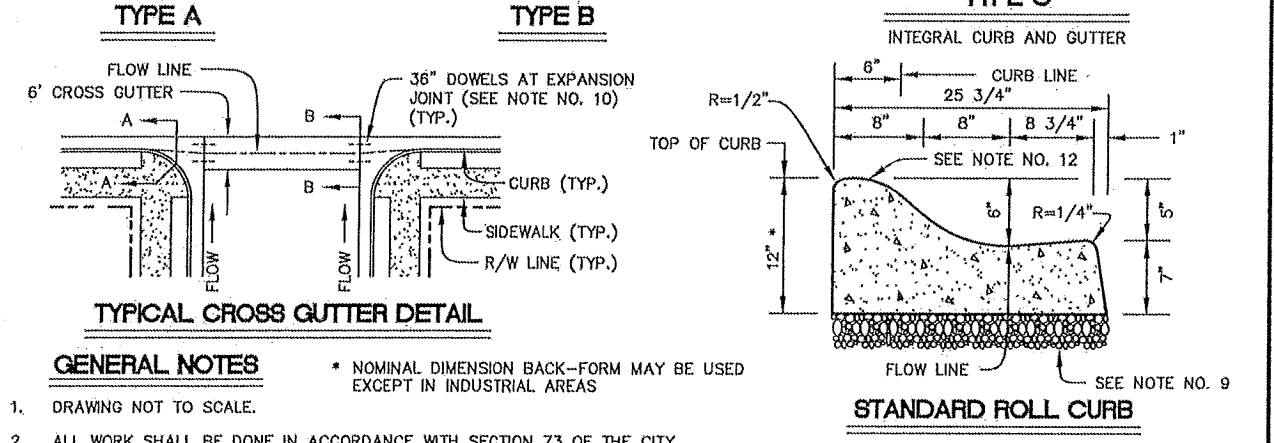
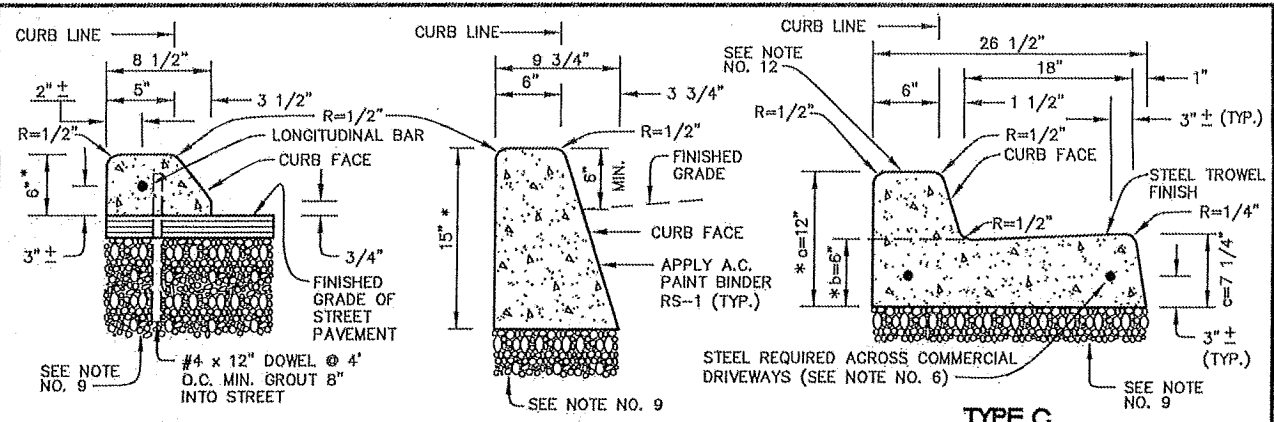
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COUNTY OF MONTEREY
 RESOURCE MANAGEMENT AGENCY
 DEPARTMENT OF PUBIC WORKS
 DESIGN SECTION
 168 WEST ALISAL STREET, 2nd FLOOR
 SALINAS, CALIFORNIA 93901
 (831)755-4800/FAX (831)755-4958

DAVIS ROAD CLASS II BIKEWAY
 CONTRACT NO. 14-869465
 CONSTRUCTION DETAIL
 DATE 2/4/2014
 VIEW 1:5
 RELATIVE BORDER SCALE: IN INCHES
 SCALE C-4
 SHEET C-4

K:\Design\Projects\8694-Davis Rd Class II Bikeway\CAD\8694-DAVIS RD BIKEWAY LDT\dwg\construction detail.dwg, 2/4/2014 5:46:48 PM



DEVELOPMENT & ENGINEERING SERVICES DEPARTMENT
 ENGINEERING SERVICES DIVISION CITY OF SALINAS

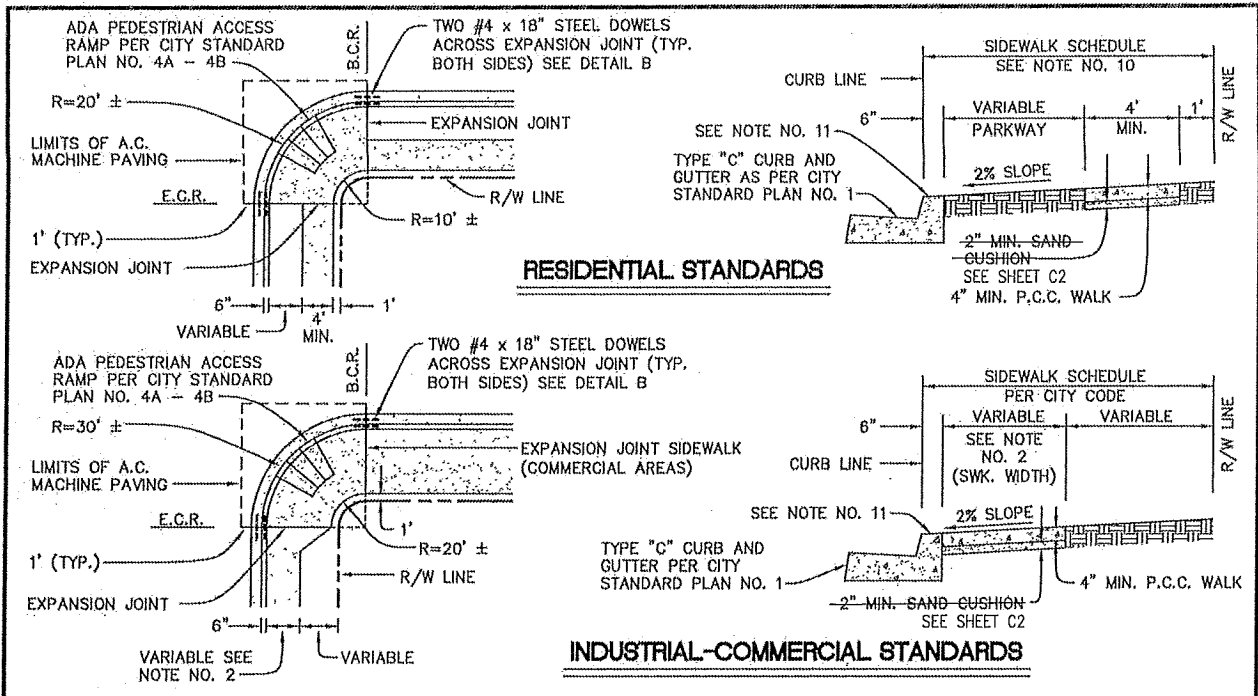
TITLE: **CURBS AND GUTTERS** STANDARD PLAN

DESIGNED BY: STAFF DATE: 10/21/2008

CADD BY: STAFF

PROJECT MANAGER: FRANK A. AGUAYO, P.E. ROBERT C. RUSSELL, CITY ENGINEER R.C.E. 42871, EXPIRES 3-31-2010

1



GENERAL NOTES

- DRAWING NOT TO SCALE.
- CONCRETE SIDEWALK SHALL BE 8 1/2" MINIMUM IN COMMERCIAL AREAS AND 5 1/2" MINIMUM FOR INDUSTRIAL AREAS. A 6" SIDEWALK CAN BE USED IN COMMERCIAL AREAS UPON APPROVAL OF THE CITY ENGINEER. ALL SIDEWALKS SHALL HAVE A MINIMUM 4' CLEAR PASSAGE, FREE OF OBSTRUCTIONS AND/OR HINDRANCES, AS OUTLINED IN TITLE 24 OF THE CALIFORNIA BUILDING CODE.
- ALL SIDEWALKS SHALL BE ONE COURSE, CLASS "3" P.C.C. WITH A FINE BROOM FINISH.
- ASPHALT EXPANSION JOINTS SHALL BE PLACED WITH MAXIMUM SPACING OF 60' AND WHEREVER SIDEWALK ADJOINS EXISTING BUILDING OR SIDEWALK, SCORE LINES SHALL BE PROVIDED FOR EVERY 16 TO 22 S.F. AT 4' INTERVALS AND PROPORTIONAL OR AS DIRECTED BY THE CITY ENGINEER.
- ASPHALT EXPANSION JOINT SHALL BE COMPOSED OF ASPHALT, FIBER, AND MINERAL FILLER PREMOLDED INTO SHEETS WITH ASPHALT IMPREGNATED LINERS ON BOTH SIDES AND SHALL CONFORM WITH ASTM 1751 AND AASHTO M-33-48 SPECIFICATIONS.
- REBAR SHALL BE INSTALLED PER DETAIL "B" AT B.C.R. AND E.C.R.
- CONTRACTOR SHALL STAMP HIS/HER NAME, MONTH, AND YEAR OF CONSTRUCTION ON SIDEWALK A MINIMUM OF ONCE PER CONSTRUCTION AND ONCE PER EACH 500 S.F.. MONTH AND YEAR MAY BE STAMPED IN NUMBERS.
- ALL DIMENSIONS AS SHOWN UNLESS OTHERWISE SPECIFIED ON PLANS.
- ADA PEDESTRIAN ACCESS RAMP SHALL BE PER CITY STANDARD PLAN NO. 4A - 4B.
- 5.5' WIDE SIDEWALKS, LOCATED ADJACENT TO CURB, PERMITTED ON RESIDENTIAL (MINOR AND CUL-DE-SAC) STREETS; ON STREETS HAVING SIDEWALK SCHEDULES OF 9' OR LESS; AND ON STREETS ADJOINING PORTIONS OR SUBDIVISIONS WHERE AT LEAST 50% OF THE LOTS HAVE AN AREA OF 5,000 S.F. OR LESS. DOWELS BETWEEN CURB AND SIDEWALK REQUIRED AT 4' CENTER.
- CONTRACTOR SHALL STAMP TOP OF CURB WITH THE LETTERS "G" (GAS), "S" (SEWER), AND/OR "W" (WATER) TO IDENTIFY UTILITY LOCATIONS.

DETAIL 'A'
TYPICAL SIDEWALK EXPANSION JOINT

DETAIL 'B'
TYPICAL DOWEL DETAIL AT CURB RETURNS

DEVELOPMENT & ENGINEERING SERVICES DEPARTMENT
 ENGINEERING SERVICES DIVISION CITY OF SALINAS

TITLE: **SIDEWALKS AND CURB RETURNS** STANDARD PLAN

DESIGNED BY: STAFF DATE: 10/21/2008

CADD BY: STAFF

PROJECT MANAGER: FRANK A. AGUAYO, P.E. ROBERT C. RUSSELL, CITY ENGINEER R.C.E. 42871, EXPIRES 3-31-2010

2

SUBMITTED BY: JONATHAN L. PASCUA, P.E. SENIOR CIVIL ENGINEER

DESIGN BY: BARNEY GUZMAN PROJECT ENGINEER

DRAWN BY: T. NYUNT

SPECIFICATIONS WRITTEN BY: BARNEY GUZMAN

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

NO. DATE REVISION APPROVED

DAVIS ROAD CLASS II BIKEWAY

CONTRACT NO. 14-869465

CONSTRUCTION DETAILS

DATE: 2/4/2014

SCALE: NTS

SHEET: C-5

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

CITY OF SALINAS

STANDARD PLAN

4A

DEVELOPMENT & ENGINEERING SERVICES DEPARTMENT

ENGINEERING SERVICES DIVISION

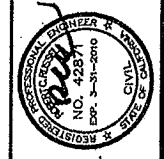
TITLE: TYPE "A" AND TYPE "B" ADA PEDESTRIAN ACCESS RAMPS

DATE: 10/21/2008

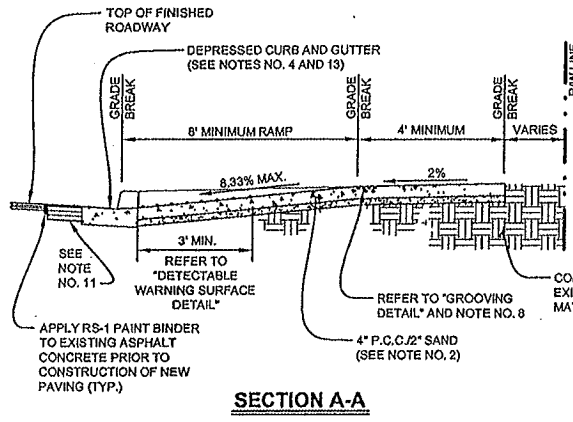
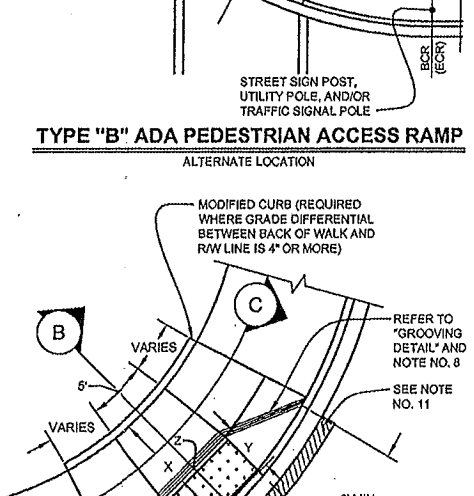
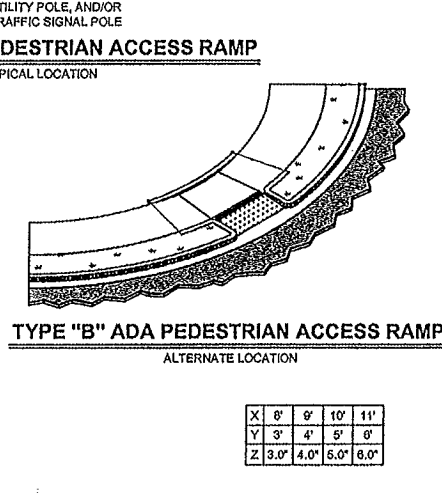
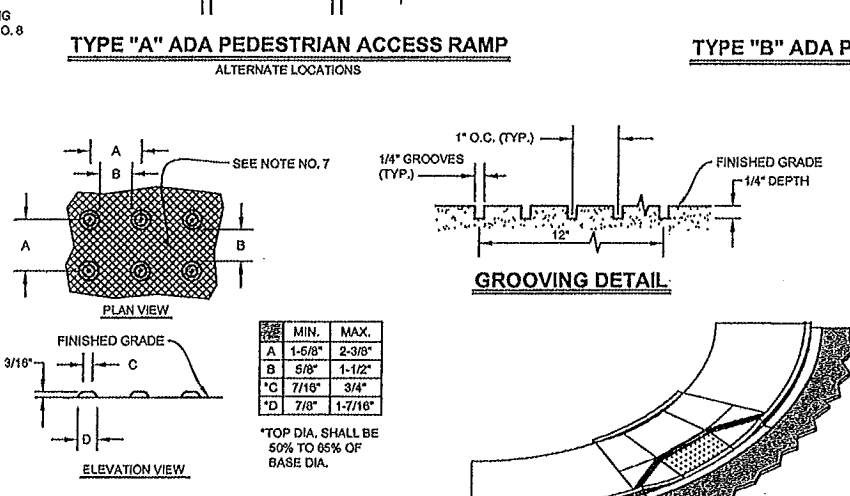
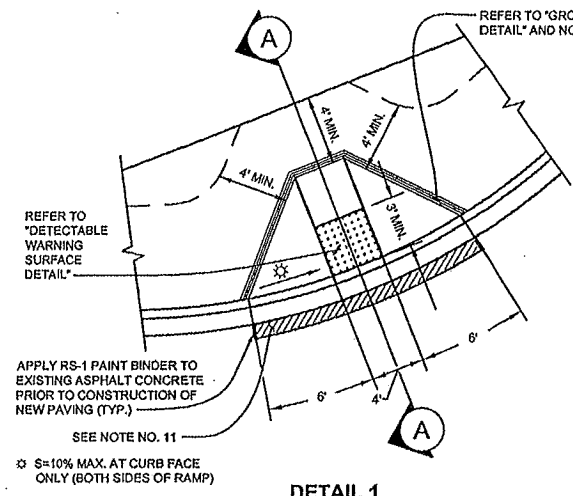
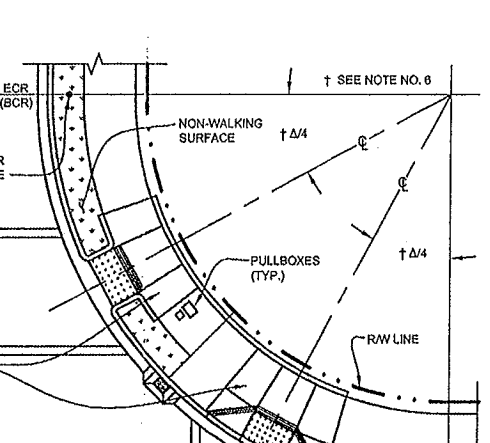
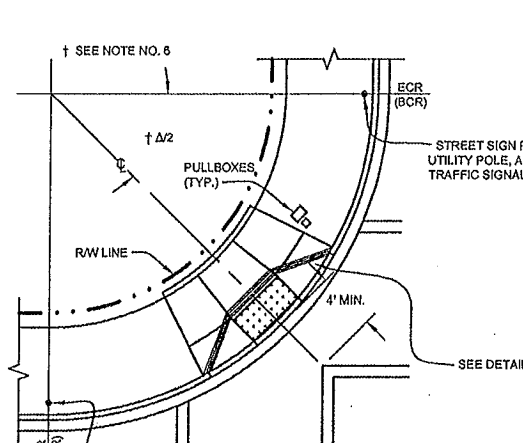
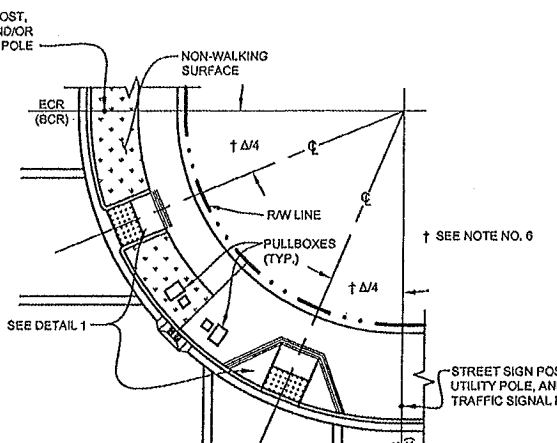
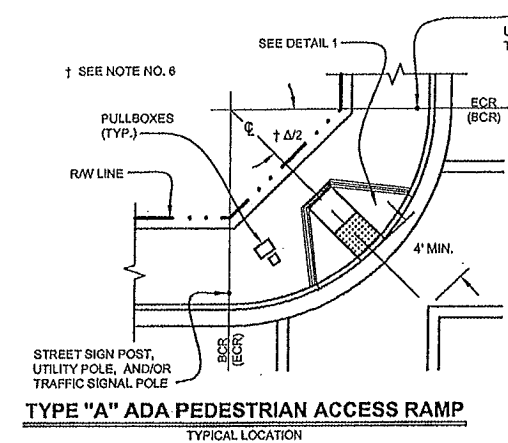
DESIGNED BY: STAFF

CADD BY: STAFF

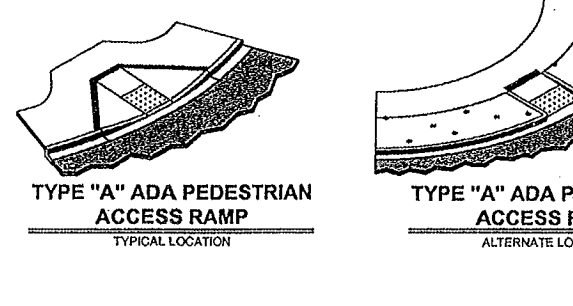
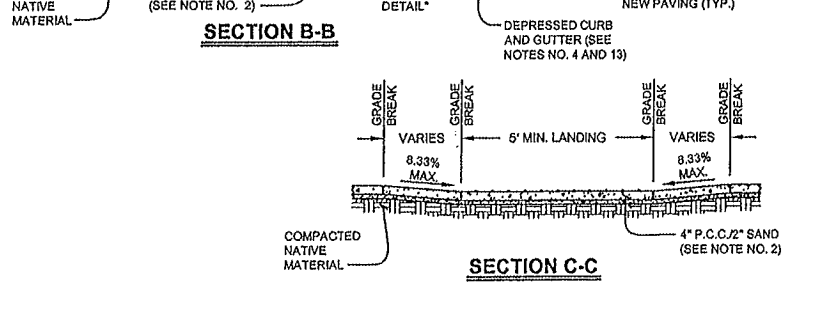
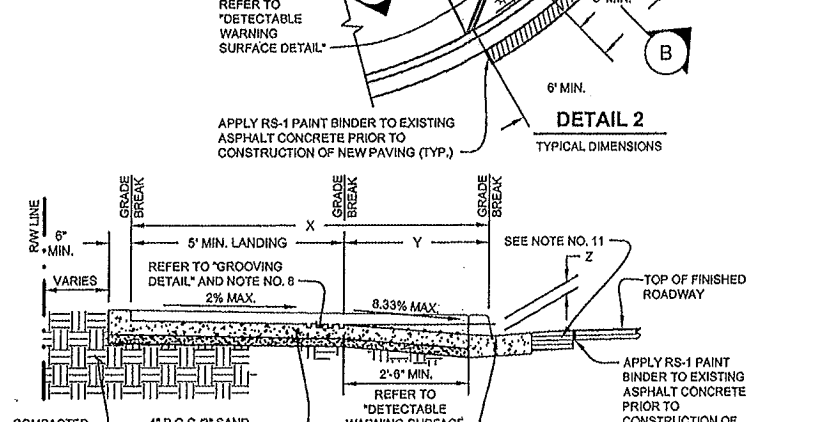
PROJECT MANAGER: FRANK A. AGUIAO, P.E.



ROBERT C. RUSSELL, CIVIL ENGINEER
R.C.E. 42871, EXPIRES 3-31-2010



- GENERAL NOTES
- DRAWING NOT TO SCALE.
 - ADA COMPLIANT PEDESTRIAN ACCESS RAMP SHALL BE CLASS "3" P.C.C., 4" THICK WITH 2" SAND CUSHION, AND A COARSE BROOM FINISH.
 - WIDTH OF SIDEWALK AND RADIUS OF CURB RETURN SHALL BE PER CONSTRUCTION PLANS.
 - CURB AND GUTTER CONSTRUCTION SHALL BE PER CITY OF SALINAS STANDARD PLAN NO. 1.
 - SIDEWALK CONSTRUCTION SHALL BE PER CITY OF SALINAS STANDARD PLAN NO. 2.
 - ANY ALTERNATIVE LOCATIONS/CONFIGURATIONS ARE SUBJECT TO PRIOR APPROVAL BY THE CITY ENGINEER.
 - ADA COMPLIANT PEDESTRIAN ACCESS RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND 3" MINIMUM DEPTH OF THE RAMP. THE EDGE OF THE DETECTABLE WARNING SURFACE NEAREST THE STREET SHALL BE BETWEEN 6" AND 8" FROM THE FACE OF CURB. ALL UTILITY AND CITY PULLBOXES, MANHOLES, VAULTS, AND ALL OTHER FACILITIES SHALL BE INSTALLED OUTSIDE THE DETECTABLE WARNING SURFACE BOUNDARY. THE DETECTABLE WARNING SURFACE COLOR SHALL BE YELLOW CONFORMING TO FEDERAL STANDARD 595B. COLOR NO 33538. THE DETECTABLE WARNING SURFACE SHALL BE "CAST IN PLACE" ARMOR-TILE OR APPROVED EQUAL BY THE CITY ENGINEER.
 - SCORE LINES SHALL BE PROVIDED AND NOT EXCEED 22 S.F. OF CONCRETE SURFACE. SCORE LINES SHALL BE ON THE LEVEL SURFACE AT THE TOP OF THE RAMP.
 - FLOW LINE SLOPE ALONG CURB RETURN SHALL BE A MINIMUM OF 0.50% OR AS APPROVED BY THE CITY ENGINEER.
 - FOR CURBS HIGHER THAN 6", ADA COMPLIANT PEDESTRIAN ACCESS RAMP WING SHALL EXTEND 1' FOR EVERY 1' OF CURB HEIGHT (8.33% GRADE).
 - REMOVE/REPLACE 1" AC PAVEMENT (6" THICK SECTION) ALONG GUTTER LIP FOR NEW ADA COMPLIANT PEDESTRIAN ACCESS RAMP INSTALLATION AT EXISTING CURB RETURNS.
 - MODIFIED CURB SHALL BE PROVIDED AT BACK OF SIDEWALK WHERE GRADE DIFFERENTIAL BETWEEN BACK OF WALK AND RIGHT-OF-WAY LINE IS 4" OR MORE.
 - COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE ADA COMPLIANT PEDESTRIAN ACCESS RAMP SHALL NOT BE STEEPER THAN 5%. THE ADJACENT SURFACES AT TRANSITIONS AT ADA COMPLIANT PEDESTRIAN ACCESS RAMPS TO WALKS, GUTTERS, AND STREETS SHALL BE AT THE SAME LEVEL.
 - FURNISH AND INSTALL 1/2" x 16" LONGITUDINAL REBAR CENTERED AND EPOXIED INTO NEW AND EXISTING CURB, REFER TO DETAIL "B" OF THE CITY STANDARD PLAN NO. 2.



SUBMITTED BY: JONATHAN L. PASCUA, P.E. SENIOR CIVIL ENGINEER

DESIGN BY: BARNEY GUZMAN PROJECT ENGINEER

DRAWN BY: T. NYUNT

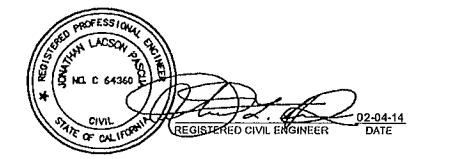
SPECIFICATIONS WRITTEN BY: BARNEY GUZMAN

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

CHKD BY: J.P.

CHKD BY: B.G.

CHKD BY: J.P.



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

DAVIS ROAD CLASS II BIKEWAY

CONTRACT NO. 14-869465

CONSTRUCTION DETAILS

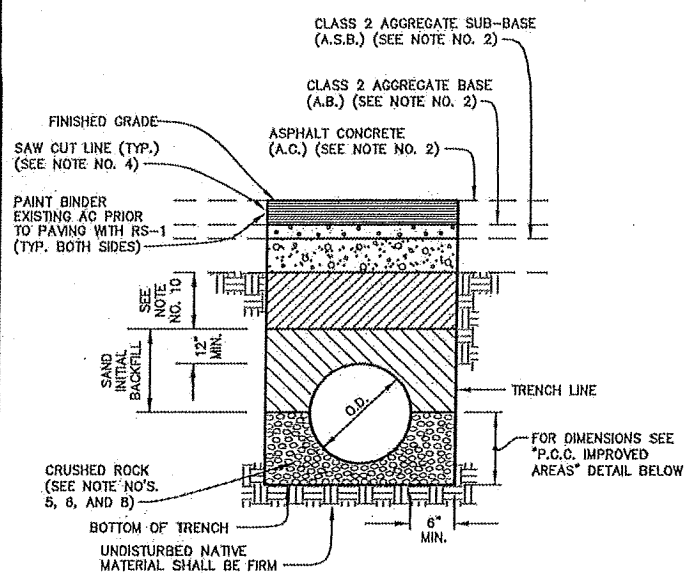
DATE: 2/4/2014

SCALE: NTS

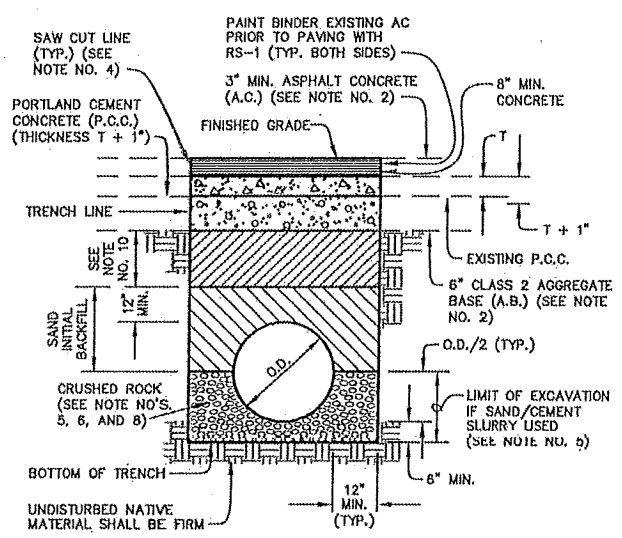
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VIEW

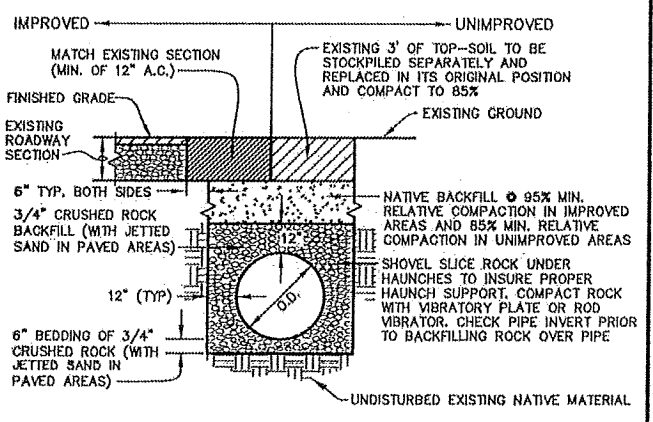
SHEET C-6



A.C. IMPROVED AREAS



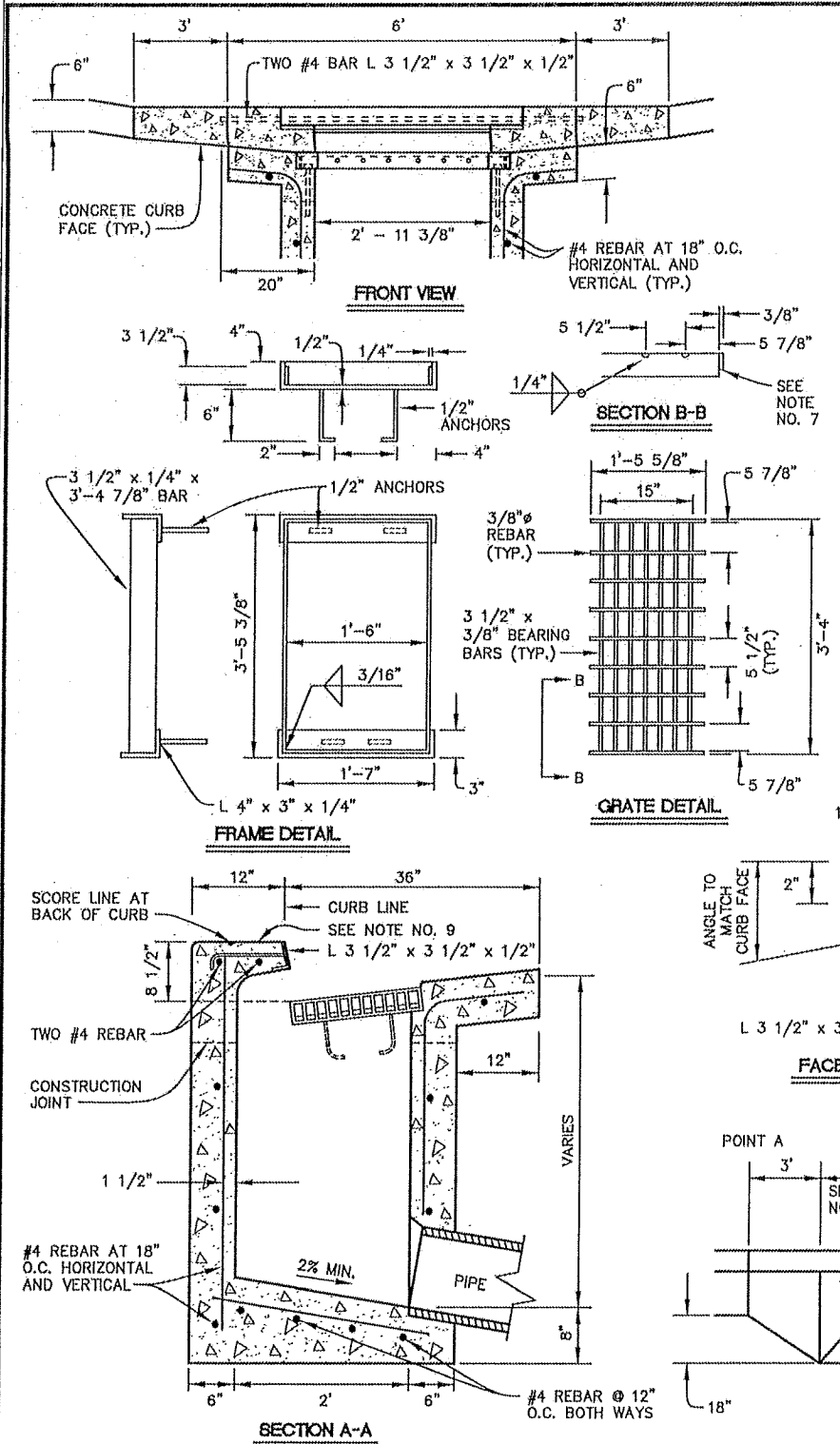
P.C.C. IMPROVED AREAS



TYPICAL TRENCH/BACKFILL SECTION FOR P.V.C. AND H.D.P.E. PIPE

GENERAL NOTES

- DRAWING NOT TO SCALE.
- ON IMPROVED STREETS THE THICKNESS OF THE A.C., A.B., AND A.S.B. SHALL BE EQUIVALENT TO THE EXISTING ON A.C. PLUS 1\"/>



GENERAL NOTES

- DRAWING NOT TO SCALE.
- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH SECTION 51 OF THE CITY STANDARD SPECIFICATIONS.
- ALL CONCRETE SHALL BE CLASS \"2\" P.C.C. IN ACCORDANCE WITH THE CITY STANDARD SPECIFICATIONS.
- FRAME AND GRATE SHALL CONFORM TO CALTRANS TYPE 18-9X GALVANIZED WELDED STEEL FRAME AND GRATE AND RATED FOR H-20 LOADING.
- CURB AND GUTTER FROM POINT A TO POINT B SHALL BE INCLUDED IN THE CATCH BASIN FOR PAYMENT PURPOSES.
- CONTRACTOR MAY SUBSTITUTE A PRECAST CATCH BASIN APPROVED BY THE CITY ENGINEER FOR THE CAST-IN-PLACE AS SHOWN.
- END BAR SHALL BE 2 1/2\"/>

DEVELOPMENT & ENGINEERING SERVICES DEPARTMENT
ENGINEERING SERVICES DIVISION CITY OF SALINAS

TITLE: TRENCH BACKFILL AND SURFACE RESTORATION

DESIGNED BY: STAFF DATE: 10/21/2008

CADD BY: STAFF

PROJECT MANAGER: FRANK A. AGUAYO, P.E.

ROBERT C. RUSSELL, CITY ENGINEER
R.C.E. 42871, EXPIRES 3-31-2010

STANDARD PLAN
16

DEVELOPMENT & ENGINEERING SERVICES DEPARTMENT
ENGINEERING SERVICES DIVISION CITY OF SALINAS

TITLE: TYPE "A" CATCH BASIN

DESIGNED BY: STAFF DATE: 10/21/2008

CADD BY: STAFF

PROJECT MANAGER: FRANK A. AGUAYO, P.E.

ROBERT C. RUSSELL, CITY ENGINEER
R.C.E. 42871, EXPIRES 3-31-2010

STANDARD PLAN
21

SUBMITTED BY: JONATHAN L. PASCUA, P.E.
DESIGN BY: BARNEY GUZMAN
DRAWN BY: T. NYUNT
SPECIFICATIONS WRITTEN BY: BARNEY GUZMAN
APPROVAL RECOMMENDED BY: PAUL H. GREENWAY, P.E.

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

REGISTERED PROFESSIONAL ENGINEER
LAWSON POSEY
NO. C 64360
CIVIL
STATE OF CALIFORNIA

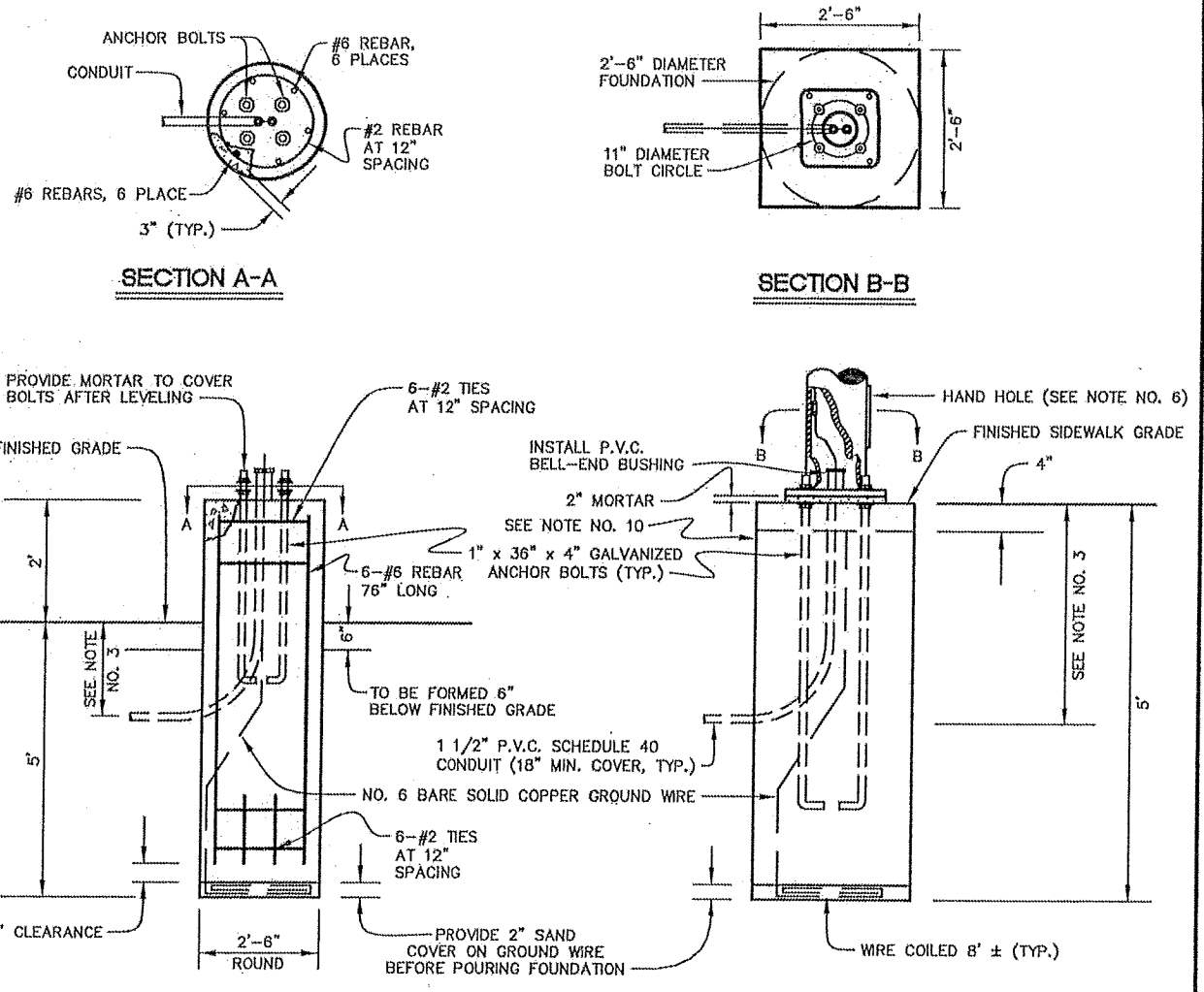
REGISTERED CIVIL ENGINEER
ROBERT C. RUSSELL
NO. 42871
EXP. 3-31-2010
CIVIL
STATE OF CALIFORNIA

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

DAVIS ROAD CLASS II BIKEWAY
CONTRACT NO. 14-869465
CONSTRUCTION DETAILS

DATE: 2/4/2014
SCALE: NTS
RELATIVE BORDER SCALE: IN INCHES
SHEET: C-7

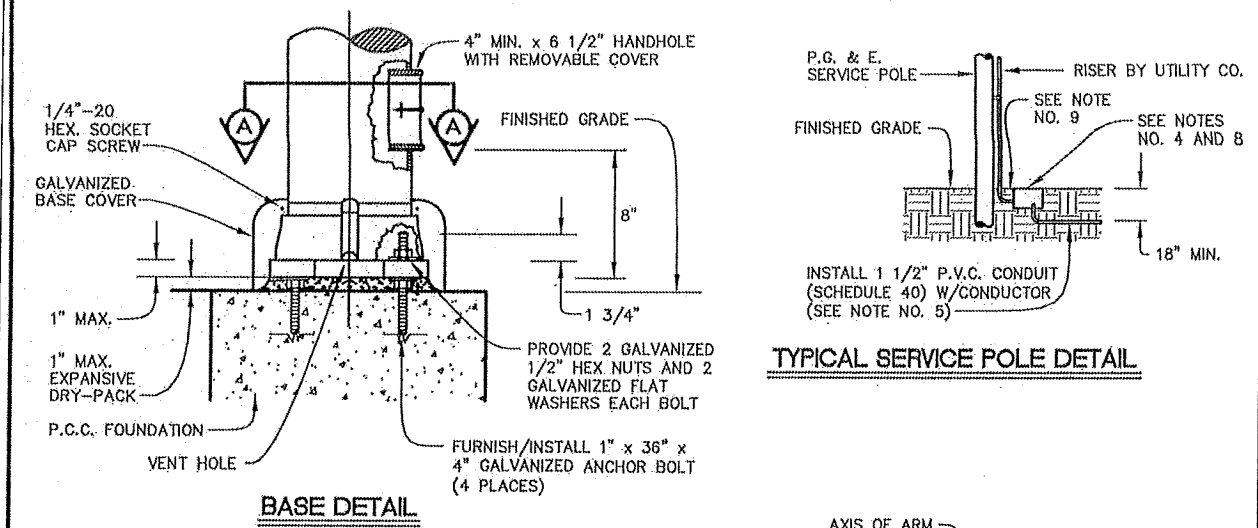


PARKING AREA STREET LIGHT FOUNDATION

STREET LIGHT FOUNDATION

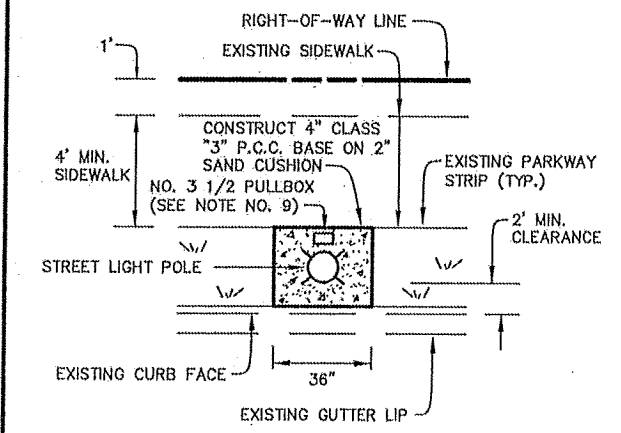
GENERAL NOTES

- DRAWING NOT TO SCALE.
- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE CITY STANDARD SPECIFICATIONS, ELECTRIC CODE, AND P.U.C.'S G.O. 95A.
- CONDUIT COVER SHALL BE 18" MINIMUM IN SIDEWALK, PARKWAY STRIP, AND RAISED MEDIAN ISLAND AREAS AND 30" MINIMUM UNDER ROADWAY OR PROPERTY EASEMENTS.
- ALL CONCRETE SHALL BE CLASS "3" PER CITY STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS.
- FOR STREET LIGHT BASE DETAILS AND PULLBOX INSTALLATION SEE CITY STANDARD PLAN NO. 51.
- FOR STREET LIGHT POLE AND NUMBER LOCATION DETAIL SEE CITY STANDARD PLAN NO. 52.
- FOR FUSE CONNECTOR SEE CITY STANDARD PLAN NO. 50.
- FOR TYPICAL SERVICE POLE DETAIL AND UNDERGROUND SERVICE SEE CITY STANDARD PLAN NO. 51.
- COMPLETE THIS PORTION OF FOUNDATION AFTER ERECTING AND LEVELING POLE.

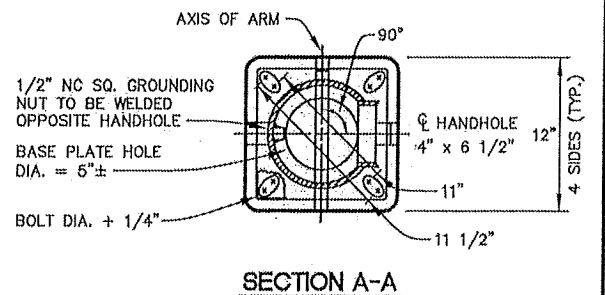


TYPICAL SERVICE POLE DETAIL

BASE DETAIL



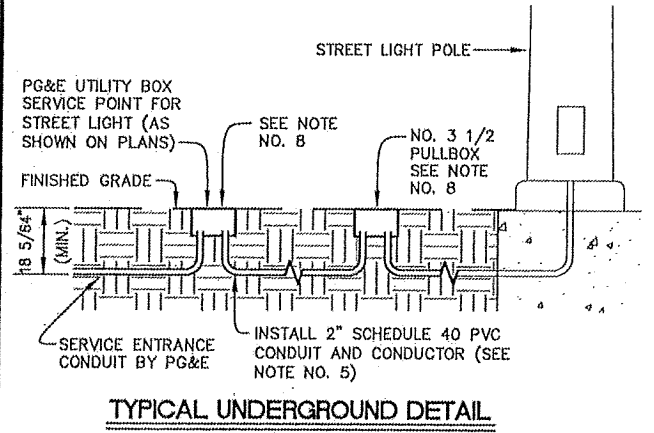
ELECTROLIER BASE DETAIL IN PARKWAY



SECTION A-A

GENERAL NOTES

- DRAWING NOT TO SCALE.
- ALL CONCRETE SHALL BE CLASS "3" PER CITY STANDARD SPECIFICATIONS, EXCEPT AS OTHERWISE SPECIFIED ON PLANS.
- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARD SPECIFICATIONS, ELECTRIC CODE, AND P.U.C.'S G.O. 95A.
- INSTALL NO. 3 1/2 PULLBOX AT BASE OF ALL EXISTING SERVICE POLES, VAULTS, AND STREET LIGHTS UNLESS OTHERWISE SPECIFIED ON THE PLANS. USE NO. 5 PULLBOX IF 4 OR MORE CONDUITS TERMINATE INTO THE BOX.
- CONDUIT COVER: 18" MINIMUM IN SIDEWALK, PARKWAY, AND RAISED MEDIAN ISLAND. 30" MINIMUM UNDER ROADWAY OR PROPERTY EASEMENT.
- FOR P.C.C. LIGHTING FOUNDATION SEE CITY STANDARD PLAN NO. 49. FOR STREET LIGHT POLE AND NUMBER LOCATION SEE CITY STANDARD PLAN NO. 52.
- FOR FUSE CONNECTOR SEE CITY STANDARD PLAN NO. 50.
- ALL STREET LIGHT PULLBOX COVERS SHALL BE LABELED "STREET LIGHTING".
- CITY OF SALINAS CONTRACTOR (FOR CITY FUNDED PROJECTS) SHALL INSTALL 2" SCHEDULE 40 PVC CONDUIT RISER TO PULLBOX (TWO 90° LONG SWEEP PLUS COUPLING).



TYPICAL UNDERGROUND DETAIL

DEVELOPMENT & ENGINEERING SERVICES DEPARTMENT		CITY OF SALINAS	
ENGINEERING SERVICES DIVISION		ENGINEERING SERVICES DIVISION	
TITLE: P.C.C. LIGHTING FOUNDATION		STANDARD PLAN	
DESIGNED BY: STAFF	DATE: 10/21/2008	49	
CADD BY: STAFF	<i>Robert C. Russell</i>		
PROJECT MANAGER: FRANK A. AGUAYO, P.E.	ROBERT C. RUSSELL, CITY ENGINEER R.C.E. 42871, EXPIRES 3-31-2010		

DEVELOPMENT & ENGINEERING SERVICES DEPARTMENT		CITY OF SALINAS	
ENGINEERING SERVICES DIVISION		ENGINEERING SERVICES DIVISION	
TITLE: STREET LIGHT BASE DETAILS AND PULLBOX INSTALLATION		STANDARD PLAN	
DESIGNED BY: STAFF	DATE: 10/21/2008	51	
CADD BY: STAFF	<i>Robert C. Russell</i>		
PROJECT MANAGER: FRANK A. AGUAYO, P.E.	ROBERT C. RUSSELL, CITY ENGINEER R.C.E. 42871, EXPIRES 3-31-2010		

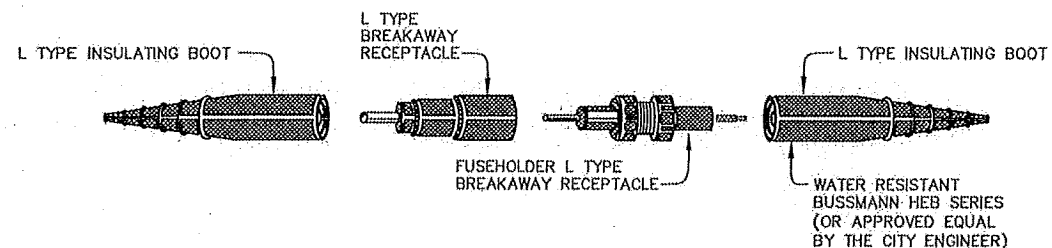
SUBMITTED BY: JONATHAN L. PASCUA, P.E.	DESIGN BY: BARNEY GUZMAN	CHKD BY: J.P.
	DRAWN BY: T. NYUNT	CHKD BY: B.G.
	SPECIFICATIONS WRITTEN BY: BARNEY GUZMAN	CHKD BY: J.P.
APPROVAL RECOMMENDED BY: PAUL H. GREENWAY, P.E.		

NO.	DATE	REVISION	APPROVED
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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

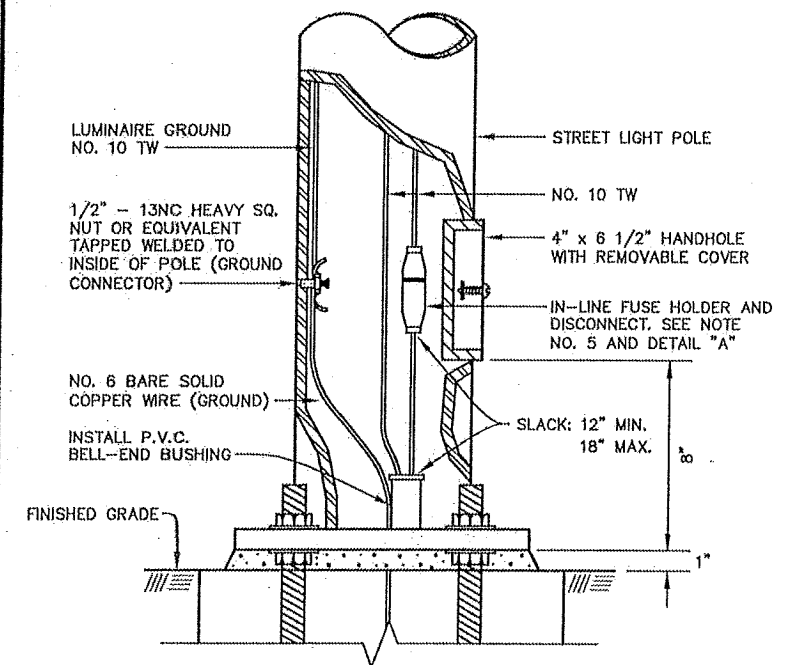
DAVIS ROAD CLASS II BIKEWAY	
CONTRACT NO. 14-869465	
CONSTRUCTION DETAILS	
DATE: 2/4/2014	RELATIVE BORDER SCALE: IN INCHES
SCALE: NTS	VIEW
	SHEET C-8



DETAIL 'A'

GENERAL NOTES

- DRAWING NOT TO SCALE.
- ALL CONSTRUCTION AND MATERIAL SHALL CONFORM TO THE CITY STANDARD SPECIFICATIONS, ELECTRIC CODE, AND P.U.C.'S G.O. 95A.
- CONDUIT COVER SHALL BE 18" MINIMUM IN SIDEWALK, PARKWAY STRIP, AND RAISED MEDIAN ISLAND AREAS AND 30" MINIMUM UNDER ROADWAY OR PROPERTY EASEMENTS.
- ALL CONCRETE SHALL BE CLASS "3" PER CITY STANDARD SPECIFICATIONS.
- INSTALL WATERPROOF IN-LINE FUSE HOLDER BUSSMANN HEB SERIES (WATER RESISTANT) (OR APPROVED EQUAL BY THE CITY ENGINEER), UNDERGROUND LEG WITH MIDGET 10A FUSE * OR AS DIRECTED BY CITY ENGINEER.
 * FUSE
 1 - HEAD 100W = 5 AMP
 2 - HEAD 100W = 7 AMP
 1 - HEAD 200W = 5 AMP
 2 - HEAD 200W = 10 AMP
- THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS.
- FOR STREET LIGHT POLE AND NUMBER LOCATION SEE CITY STANDARD PLAN NO. 52.
- FOR STREET LIGHT BASE DETAILS AND PULLBOX INSTALLATION SEE CITY STANDARD PLAN NO. 51.
- FOR TYPICAL SERVICE POLE DETAIL AND UNDERGROUND SERVICE SEE CITY STANDARD PLAN NO. 51.
- FOR P.C.C. LIGHTING FOUNDATION SEE CITY STANDARD PLAN NO. 49.
- FOR OVERHEAD POWER FEED, FUSE SHALL BE LOCATED INSIDE THE LUMINAIRE HEAD.



FUSE CONNECTOR

DEVELOPMENT & ENGINEERING SERVICES DEPARTMENT
ENGINEERING SERVICES DIVISION CITY OF SALINAS

TITLE: FUSE CONNECTOR		50
DESIGNED BY: STAFF	DATE: 10/21/2008	
CADD BY: STAFF		
PROJECT MANAGER: FRANK A. AGUAYO, P.E.		

SUBMITTED BY: JONATHAN L. PASCUA, P.E.
DESIGN BY: BARNEY GUZMAN
DRAWN BY: T. NYUNT
SPECIFICATIONS WRITTEN BY: BARNEY GUZMAN
APPROVAL RECOMMENDED BY: PAUL H. GREENWAY, P.E.

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

 REGISTERED CIVIL ENGINEER
 DATE: 02-04-14

NO.	DATE	REVISION	APPROVED

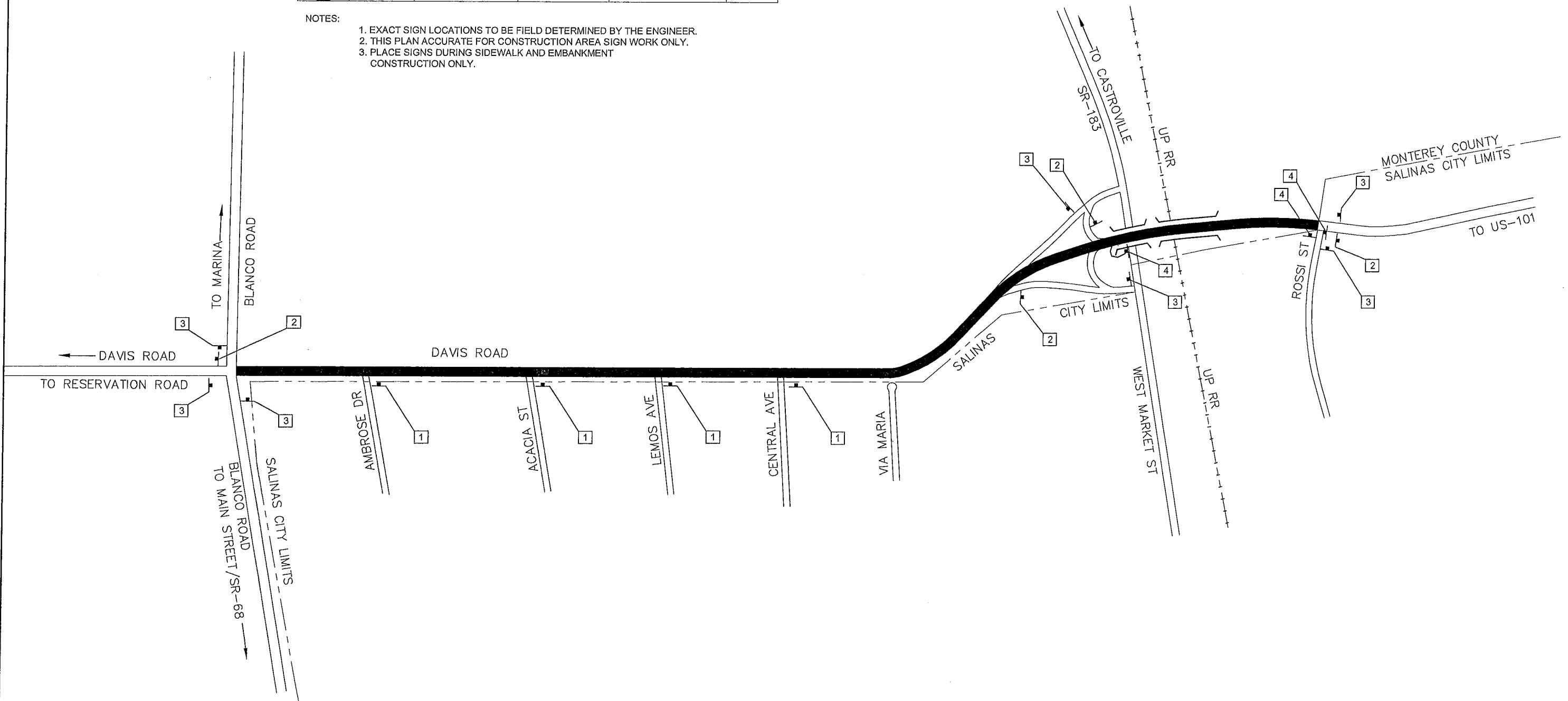
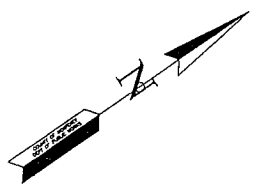
COUNTY OF MONTEREY
DEPARTMENT OF PUBLIC WORKS
DESIGN SECTION
168 WEST ALISAL STREET, 2nd FLOOR
SALINAS, CALIFORNIA 93901
(831)755-4800/FAX (831)755-4958

DAVIS ROAD CLASS II BIKEWAY
CONTRACT NO. 14-869465
CONSTRUCTION DETAILS
DATE: 2/4/2014
SCALE: NTS
RELATIVE BORDER SCALE: IN INCHES
VIEW: 0 1 2 3
SHEET: C-9

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	36 X 36	1 - 4 in X 4 in	4
2	G20-2	END ROAD WORK	36 X 18	1 - 4 in X 4 in	4
3	W20-1	ROAD WORK AHEAD	48 X 48	1 - 4 in X 4 in	7
4	T20	SIDEWALK CLOSED	36 X 18	TYPE II BARRICADE	3

- NOTES:
1. EXACT SIGN LOCATIONS TO BE FIELD DETERMINED BY THE ENGINEER.
 2. THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY.
 3. PLACE SIGNS DURING SIDEWALK AND EMBANKMENT CONSTRUCTION ONLY.



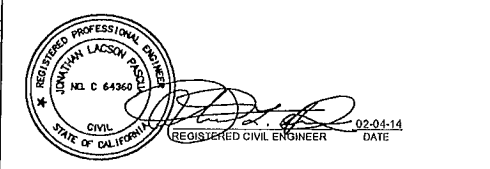
SUBMITTED BY, JONATHAN L. PASCUA, P.E.
SENIOR CIVIL ENGINEER

DESIGN BY, JONATHAN L. PASCUA, P.E.
PROJECT ENGINEER

DRAWN BY, T. NYUNT

SPECIFICATIONS WRITTEN BY, BARNEY GUZMAN

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



NO.	DATE	REVISION	APPROVED
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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

DAVIS ROAD CLASS II BIKEWAY

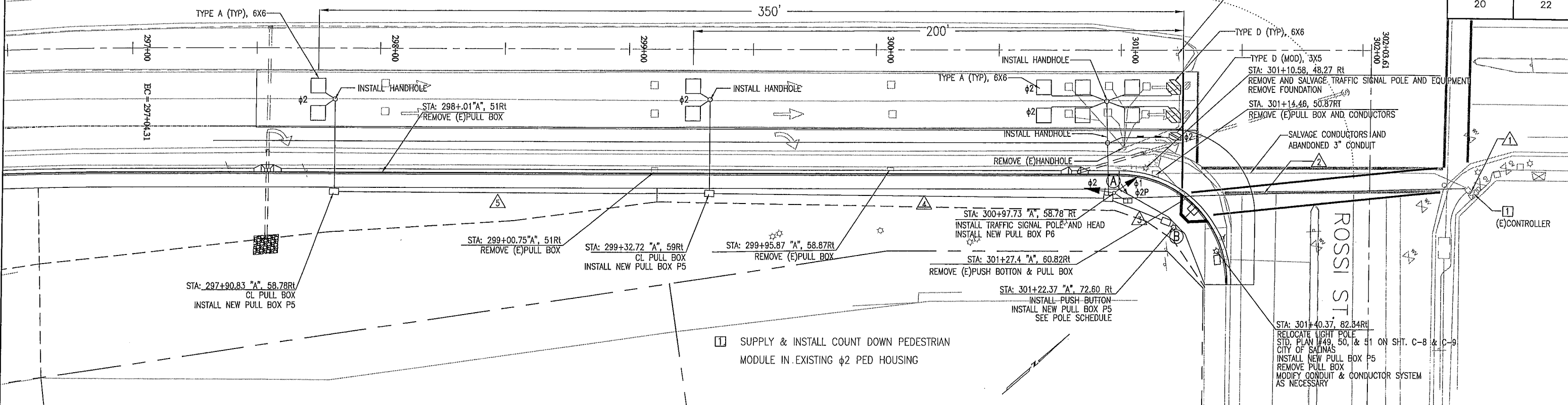
CONTRACT NO. 14-869465

CONSTRUCTION AREA SIGNS

DATE 2/4/2014	RELATIVE BORDER SCALE: IN INCHES 0 1 2 3	SHEET CS-1
SCALE NTS	VIEW const. area.sign	

DAVIS ROAD

SHEET NUMBER	TOTAL SHEETS
20	22

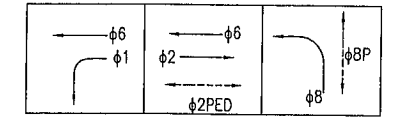


POLE SCHEDULE

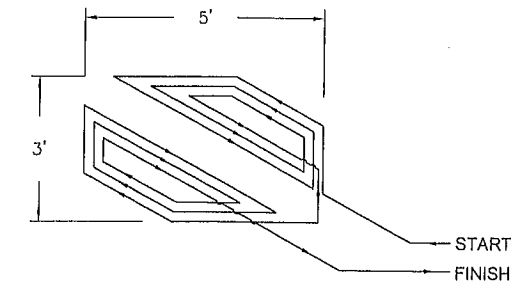
STANDARDS				SIGNALS		PED SIGNALS		P.P.B.		REMARKS	
NO.	TYPE	SIG M.A.	LUM	LUM M.A.	TYPE	MOUNTING	TYPE	MOUNTING	φ		ARROW
(A)	10' 1 B	*	-	-	1W3S(12") 1W3S(12")	TV-2-T	1W2S	SP-1-T	2		φ1 ALL ARROW HEAD. PED HEAD SHALL BE COUNT DOWN TYPE.
(B)	PPB PEDESTAL								2	←	MOUNT PPB ON NW QUADRANT

CONDUIT AND CONDUCTOR SCHEDULE

CONDUIT RUN	3"(E)		3"		2"		2"	
CONDUIT SIZE	#14	DLC	#14	DLC	#14	DLC	#14	DLC
φ1 SIGNALS			3					
φ2 SIGNALS			3					
SIGNAL COMMON			1					
φ2 PED SIGNALS			2					
φ2 P.P.B.			1		1			
P.P.P. COMMON					1			
φ2 DLC	7		7			4		2
SIGNAL SPARES			3					



EXISTING PHASE DIAGRAM



TYPE D (MOD) LOOP WINDING NTS

CONSTRUCTION NOTE

- ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH 2010 CALTRAN STD. SPECIFICATIONS AND STANDARD PLANS AND THE SPECIAL PROVISIONS.
- THE EXISTING UNDERGROUND UTILITIES IS SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN THE EXISTENCE AND LOCATION OF ALL UNDERGROUND FACILITIES PUBLIC OR PRIVATE AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF ANY UNDERGROUND FACILITIES DAMAGE BY THIS OPERATIONS. AT LEAST 48 HOURS BEFORE THE EXCAVATING, THE CONTRACTOR SHALL CONTACT PACIFIC GAS & ELECTRIC COMPANY AND AT&T TELEPHONE COMPANY AND CALIFORNIA WATER SERVICE.
- POLE AND PULL BOX LOCATIONS MUST BE APPROVES BY THE ENGINEER.
- ALL SIGNAL HEADS AND BACK PLATES MUST BE METAL.
- ALL PULL BOXES SHALL BE P-5 MINIMUM UNLESS INDICATED OTHERWISE.
- ALL CONDUITS SHALL BE 2" MINIMUM UNLESS INDICATED OTHERWISE.
- EXCAVATION NEAR UTILITIES MUST BE HAND DIGGING.
- THE EXISTING TRAFFIC SIGNAL POLE SHALL NOT BE REMOVED UNTIL THE NEW TRAFFIC SIGNAL POLE AND THE SIDEWALK HAVE BEEN FULLY CONSTRUCTED.

SUBMITTED BY: JONATHAN L. PASCUA, P.E.
 DESIGN BY: JONATHAN L. PASCUA, P.E.
 DRAWN BY: T. NYUNT
 SPECIFICATIONS WRITTEN BY: BARNEY GUZMAN
 APPROVAL RECOMMENDED BY: PAUL H. GREENWAY, P.E.



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

DAVIS ROAD CLASS II BIKEWAY
 CONTRACT NO. 14-869465
TRAFFIC SIGNAL MODIFICATION PLAN
 DATE: 2/4/2014
 VIEW: 1:20
 RELATIVE BORDER SCALE: IN INCHES
 SCALE: Electrical plan
 SHEET E-1

K:\Design\Projects\8694-Davis Rd Bikeway\CAD\8694-DAVIS RD BIKEWAY LDT\dwg\ACAD-electrical plan.dwg, 2/4/2014 3:24:14 PM

PAVEMENT DELINEATION

LOCATION	DETAIL NO. OR PAVEMENT MARKING	QUANTITY	REMOVE TRAFFIC STRIPPING	REMOVE THERMOPLASTIC PAVEMENT MARKING	REMOVE PAVEMENT MARKER	THERMOPLASTIC TRAFFIC STRIPE						THERMOPLASTIC PAVEMENT MARKING	PAVEMENT MARKER RETROREFLECTIVE			PAVEMENT MARKER NON-RETROREFLECTIVE	
						4" WHITE (BROKEN 36-12)	4" YELLOW (SOLID)	6" WHITE (BROKEN 8-4)	6" WHITE (SOLID)	8" WHITE (BROKEN 12-3)	8" WHITE (SOLID)		TYPE C	TYPE G	TYPE H		TYPE A
						EA	EA	EA	EA	EA	EA						
BLANCO ROAD TO AMBROSE DRIVE	27B	1100	1100														
	39	2000						2000									
	TYPE IV (R) ARROW	2		30						30							
	BIKE LANE ARROW	6								42							
	BIKE LANE SYMBOL	6								42							
AMBROSE DRIVE TO W. ACACIA STREET	27B	2576	2576														
	39	2470						2470									
	39A	200						200									
	TYPE IV (R) ARROW									21							
	BIKE LANE SYMBOL	3								21							
W. ACACIA STREET TO LEMOS AVENUE	27B	1520	1520														
	39	1500						1500									
	39A	200						200									
	BIKE LANE SYMBOL	3								21							
LEAMOS AVENUE TO CENTRAL AVENUE	27B	1582	1582														
	39	1610						1610									
	39A	200						200									
	BIKE LANE SYMBOL	3								21							
CENTRAL AVENUE TO ROSSI STREET	12	380	380			14	380					14					
	26A	380	380			17	380						17				
	27B	8233	8233														
	37B	520	520			37			520		37						
	38	393	393			17					17						
	39	9500					9500										
	40A	116													30		
	TYPE IV (R) ARROW	3		45						45							
	BIKE LANE ARROW	15								105							
	BIKE LANE SYMBOL	15								105							
	BIKE LOOP SYMBOL	1								2							
	CROSS WALK	260		260						260							
	"ONLY"	3		66						66							
	TOTAL			16684	401	84	380	380	600	17080	520	393	823	37	31	17	30

INSTALL PULL BOX

STATION	OFFSET	QUANTITY
297+90.83	Rt	1
299+32.72	Rt	1
300+97.75	Rt	1
301+22.37	Rt	1
301+40.37	Rt	1
TOTAL		5

MINOR CONCRETE

BEGIN STA.	END STA.	OFFSET	SIDEWALK	CURB & GUTTER	CURB RAMP	WALKWAY
283+64	285+10	Rt	8	8		
286+78	288+54	Rt	10	9		
292+28	301+00	Rt	59	47		
301+00	301+45	Rt			12	
293+64	283+99	Rt				3
TOTAL			77	64	12	3

ASPHALT CONCRETE DIKE

STATION	DIRECTION	REMOVE ASPHALT CONCRETE DIKE (TYPE A)	HOT MIX ASPHALT DIKE (TYPE A)	HOT MIX ASPHALT (TYPE A)
		LF	LF	TON
282+99 TO 283+64	NB	23	64	2
286+76 TO 288+54	NB	64		0
292+28 TO 293+43	NB	100		0
TOTAL		187	64	2

ROADWAY QUANTITY

STATION	HOT MIX ASPHALT (TYPE A)	TACK COAT	CLASS 2 AGGREGATE BASE	IMPORTED MATERIAL (EMBANKMENT)	IMPORTED MATERIAL (SHOULDER BACKING)	ROADWAY EXCAVATION	REMARK
	TON	TON	CUYD	CUYD	TON	CUYD	
211+61 TO 292+00	438	0.25	303		340		SHOULDER EXTENSION 3" HMA & 6" AB
292+00 TO 301+50	448	0.25	398	3486		2561	SHOULDER EXTENSION 6" HMA & 12" AB
TOTAL	886	0.5	701	3486	340	2561	

SHEET NUMBER	TOTAL SHEETS
21	22

REMOVE CONCRETE

BEGIN STA.	END STA.	OFFSET	CURB & GUTTER AREA	SIDEWALK AREA	WALKWAY AREA	RAMP AREA
283+33	283+64	RT	80			
283+64	285+10	RT	292	675		
286+78	288+54	RT	352	792		
283+64	284+00	RT			189	
292+42	301+16	RT	1748	4302		
301+35		RT	48	207		
301+00	301+45	RT				351
TOTAL			2520	5976	189	351

ADJUST FRAME AND COVER

STATION	OFFSET	QUANTITY	DESCRIPTION
287+84.32	52.12 RT	1	SURVEY MONUMENT
TOTAL		1	

EROSION CONTROL

STATION	AREA (SF)	DESCRIPTION
292+09 TO 296+61	21577	HYDROSEEDING
296+61 TO 299+12	5082	HYDROSEEDING
299+12 TO 301+34	1605	HYDROSEEDING
TOTAL	28264	

DRAINAGE FACILITY

STATION	OFFSET	CATCH BASIN (TYPE A)	12" RCP (CLASS III)	18" HDPE	ROCK SLOPE PROTECTION	ROCK SLOPE PROTECTION FABRIC	REMOVE DRAIN INLET	REMOVE (E) PIPE
		EACH	LF	LF	CY	SY	EACH	LF
283+91.32	55.4 Rt	1		48	6	20	1	50
297+54.89	50.87 Rt	1	35		6	20	1	35
300+81.62	50.87 Rt	1	31				1	
TOTAL		3	66	48	12	40	3	85

COLD PLANE

BEGIN STA.	END STA.	OFFSET	AREA
			SY
223+64	233+41	RT	217
238+15	243+08	RT	110
245+86	253+23	RT	164
292+29	301+56	RT	1206
213+84	226+50	LT	281
238+57	248+82	LT	229
255+00	270+53	LT	341
RETURN AT BLANCO AND DAVIS			30
TOTAL			2578

SLURRY SEAL

BEGIN STA.	END STA.	OFFSET	SLURRY SEAL AREA(SY)	SLURRY SEAL (TONS)
223+64	233+41	RT	867.7	7.7
238+15	243+08	RT	437.9	3.9
245+86	253+23	RT	651.9	5.8
213+84	226+50	Lt	1108.2	9.8
238+57	248+82	Lt	910.4	8.1
255+00	270+53	Lt	1387.8	12.3
297+50	301+32	RT	1013.3	9.0
TOTAL			6377.2	56.4

MIDWEST GUARDRAIL SYSTEM

STATION	SIDE	MGBR (WOOD POST&WOOD BLOCK)	TYPE MB	TYPE SRT	REMOVE (EMBGR)
		(LF)	(LF)	(EACH)	(LF)
284+47.63 TO 285+10	RT		25	1	37.5
286+78 TO 288+54	LT	151	25		176
286+78 TO 288+54	RT	151	25		176
292+28.11 TO 292+90.78	LT		25	1	37.5
TOTAL		302	100	2	427

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



REGISTERED CIVIL ENGINEER
 DATE 02-04-14

NO.	DATE	REVISION	APPROVED



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

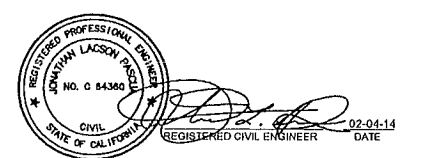
DAVIS ROAD CLASS II BIKEWAY
 CONTRACT NO. 14-869465
 SUMMARY OF QUANTITIES
 DATE 2/4/2014
 SCALE N.T.S.
 RELATIVE BORDER SCALE: IN INCHES
 SHEET Q-1

ROADSIDE SIGN

SHEET NUMBER	TOTAL SHEETS
22	22

STATION	SIGN NO.		REMOVE ROADSIDE SIGN	EACH	REMOVE SIGN PANEL	EACH	ROADSIDE SIGN ONE POST	EACH	INSTALL ROADSIDE SIGN PANEL ON EXISTING POST	EACH
	N.B.	S.B.								
211+00 TO 223+00	1		W11-1 & W16-1	1						
	2						R81(CA) & R26(CA)	1		
	3				W9-2L	1			W4-2L	1
	4						R81A(CA) & R81(CA)	1		
	5		"LANE END" & "NO PARKING ANY TIME"	1						
	6		"DO NOT PASS"	1						
	7				"STREET NAME" & W2-2	2			W16-8P & W2-2R	2
	8		"NO STOPPING ANY TIME"	1						
	9						R4-4	1		
	10						R3-8B	1		
	11		R3-7R & "NO STOPPING ANY TIME"	1						
	12				"NEXT 1.4 MILES"	1				
		65			"NO PARKING ANY TIME"	1			R7-9A	1
		66					W14-3	1		
		67					R81(CA)	1		
223+00 TO 235+00	13						R7-9A	1		
	14		"NO PARKING ANY TIME"	1						
	15				"STREET NAME" & W2-2	2			W16-8P & W2-2R	2
	16				D11-1 & "NO PARKING ANY TIME"	2			R7-9A	1
		61			"NO PARKING ANY TIME"	1			R7-9A	1
		62	"NO PARKING ANY TIME"	1						
		63			"STREET NAME" & W2-2	2			W16-8P & W2-2L	2
		64			"NO PARKING ANY TIME"	1			R7-9A	1
235+00 TO 247+00	17						R81(CA)	1		
	18				"STREET NAME" & W2-2	2			W16-8P & W2-2R	2
	19		"NO PARKING ANY TIME"	1						
		55	"NO PARKING ANY TIME"	1						
		56	"NO PARKING ANY TIME"	1						
		57					R7-9A	1		
		58			"STREET NAME" & W2-2	2			W16-8P & W2-2L	2
		59	"NO PARKING ANY TIME"	1						
		60					R81(CA)	1		
247+00 TO 259+00	20		"STREET NAME" & W2-2	1						
	21						W16-8P & W2-2R	1		
	22		"NO PARKING ANY TIME"	1					R7-9A	1
	23		"NO PARKING ANY TIME"	1					R7-9A	1
		53			"STREET NAME" & W2-2	2			W16-8P & W2-2L	2
		54			"STREET NAME" & W2-2	2			W16-8P & W2-2L	2
259+00 TO 270+00	24				"NO PARKING ANY TIME"	1			R7-9A	1
	25				"SUBJECT TO FLOODING"	1			W8-1B	1
	26				D11-1 & "NO PARKING ANY TIME"	2			R7-9A	1
		52			D11-1 & "NO PARKING ANY TIME"	2			R7-9A	1
270+00 TO 278+00	27				D11-1 & "NO PARKING ANY TIME"	2			R7-9A	1
	28		W11-1 & W16-1	1						
	29						R4-4	1		
	30						R81(CA)	1		
		50					R81(CA)	1		
		51			D11-1 & "NO PARKING ANY TIME"	2			R7-9A	1
278+00 TO 290+00	31				D11-1 & "NO PARKING ANY TIME"	2			R7-9A	1
	32						W11-1	1		
	33						R81(CA)	1		
		47			W11-1 & W16-1	2			R4-4	1
	48		D11-1 & "NO PARKING ANY TIME"	1						
	49						R7-9A	1		
290+00 TO 302+00	34		W11-1 & W16-1	1						
	35		"RIGHT TURN MUST TURN RIGHT"	1						
	36						W3-3	1		
	37						R7-9A	1		
	38		D11-1 & "NO PARKING ANY TIME"	1						
	39						R4-4	1		
	40		"RIGHT TURN MUST TURN RIGHT"	1						
	41		D11-1 & "NO PARKING ANY TIME"	1						
	42				"SALINAS CITY LIMIT" & BIKE LANE	2			"SALINAS CITY LIMIT" & BIKE LANE	2
		43					R81(CA)	1		
	44		D11-1 & "NO PARKING ANY TIME"	1						
	45		W11-1 & W16-1	1						
	46		"STREET NAME" & W2-2	1						
TOTAL				22		39		21		31

SUBMITTED BY, JONATHAN L. PASCUA, P.E.
 PROJECT MANAGER
 DESIGN BY, BARNEY GUZMAN
 PROJECT ENGINEER
 DRAWN BY, THANT NYUNT
 SPECIFICATIONS WRITTEN BY, BARNEY GUZMAN
 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

DAVIS ROAD CLASS II BIKEWAY
 CONTRACT NO. 14-869465
 SUMMARY OF QUANTITIES
 DATE: 2/4/2014
 SCALE: N.T.S.
 RELATIVE BORDER SCALE: IN INCHES
 SHEET: Q-2