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THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

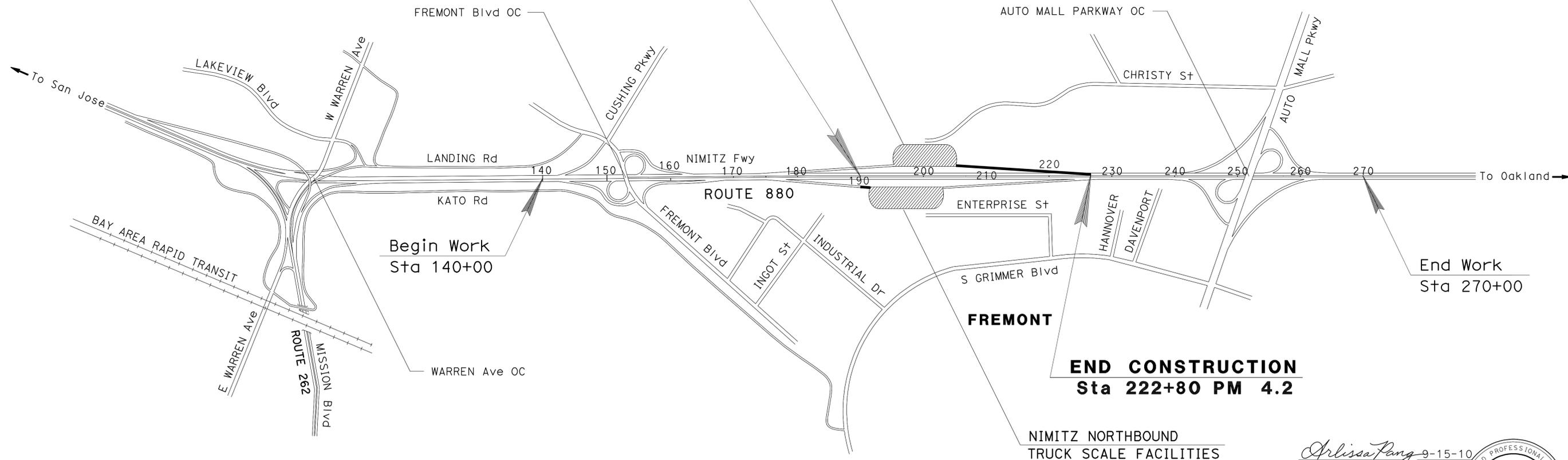
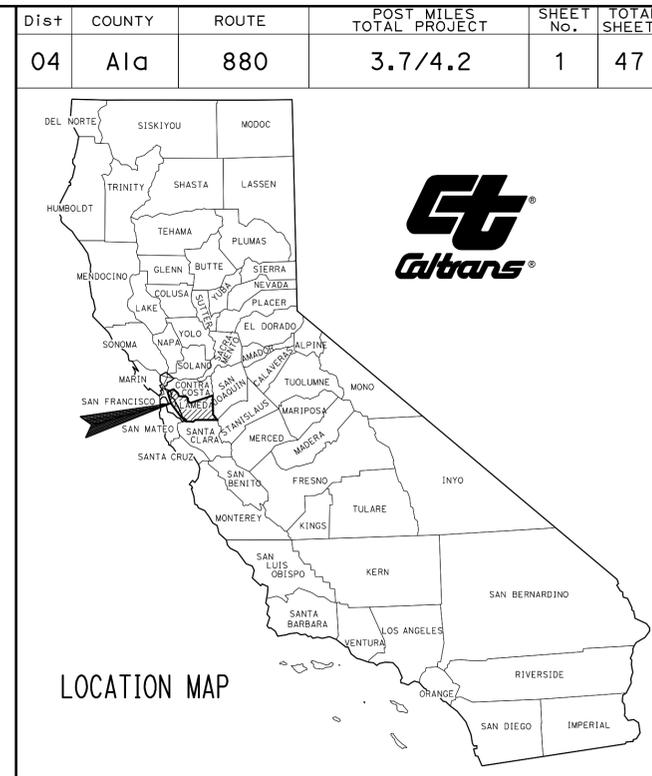
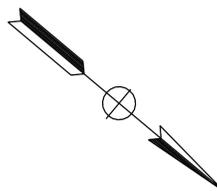
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN ALAMEDA COUNTY
IN FREMONT
FROM 0.7 MILE NORTH OF FREMONT BOULEVARD
LANDING ROAD OVERCROSSING
TO 0.2 MILE SOUTH OF AUTO MALL PARKWAY OVERCROSSING

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

NIMITZ SOUTHBOUND
TRUCK SCALE FACILITIES

BEGIN CONSTRUCTION
Sta 191+00 PM 3.7



END CONSTRUCTION
Sta 222+80 PM 4.2

NIMITZ NORTHBOUND
TRUCK SCALE FACILITIES

PROJECT MANAGER
LARRY JONES

DESIGN ENGINEER
ARLISSA PANG

ArliSSa Pang 9-15-10
PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER



January 31, 2011
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

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

NO SCALE

CONTRACT No.	04-3A5504
PROJECT ID	0400000950

DATE PLOTTED => 01-FEB-2011
TIME PLOTTED => 10:15

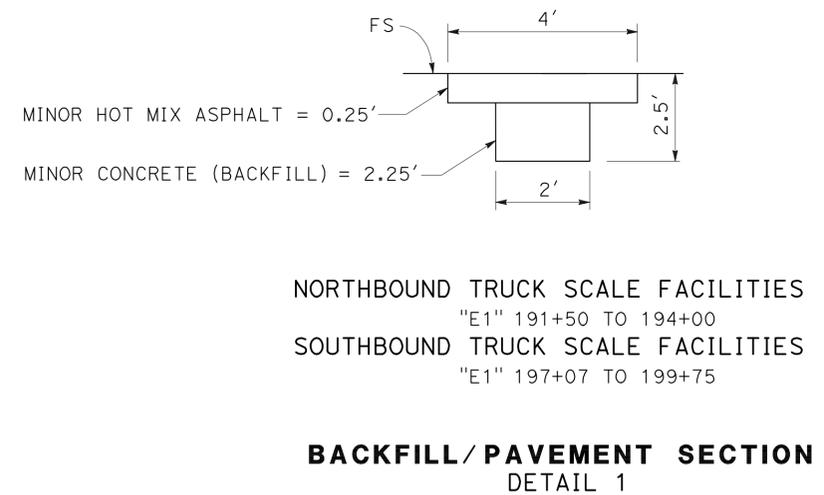
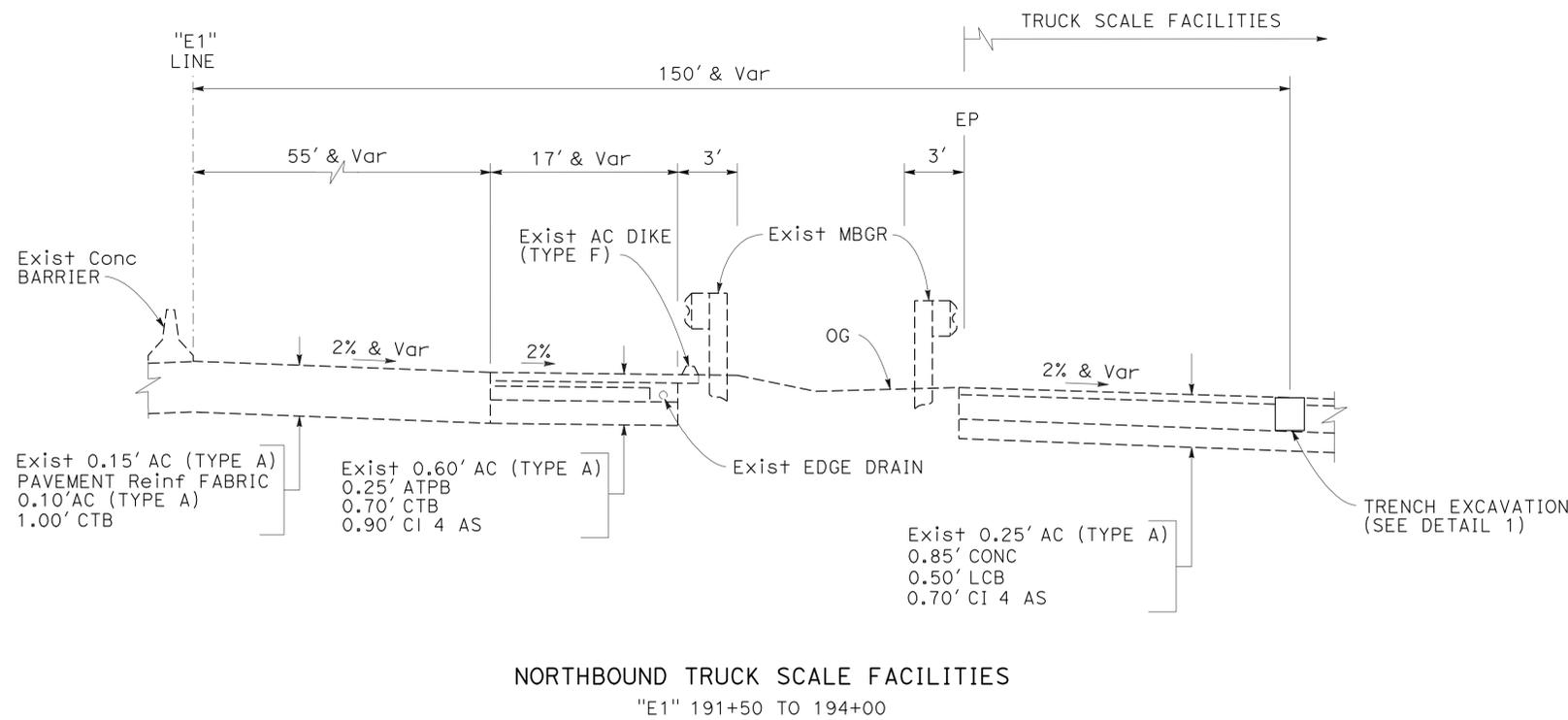
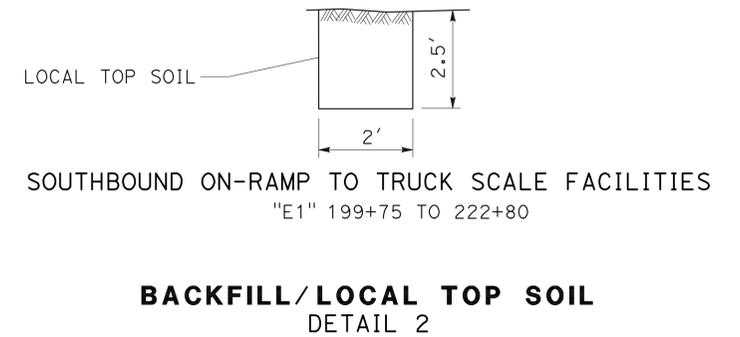
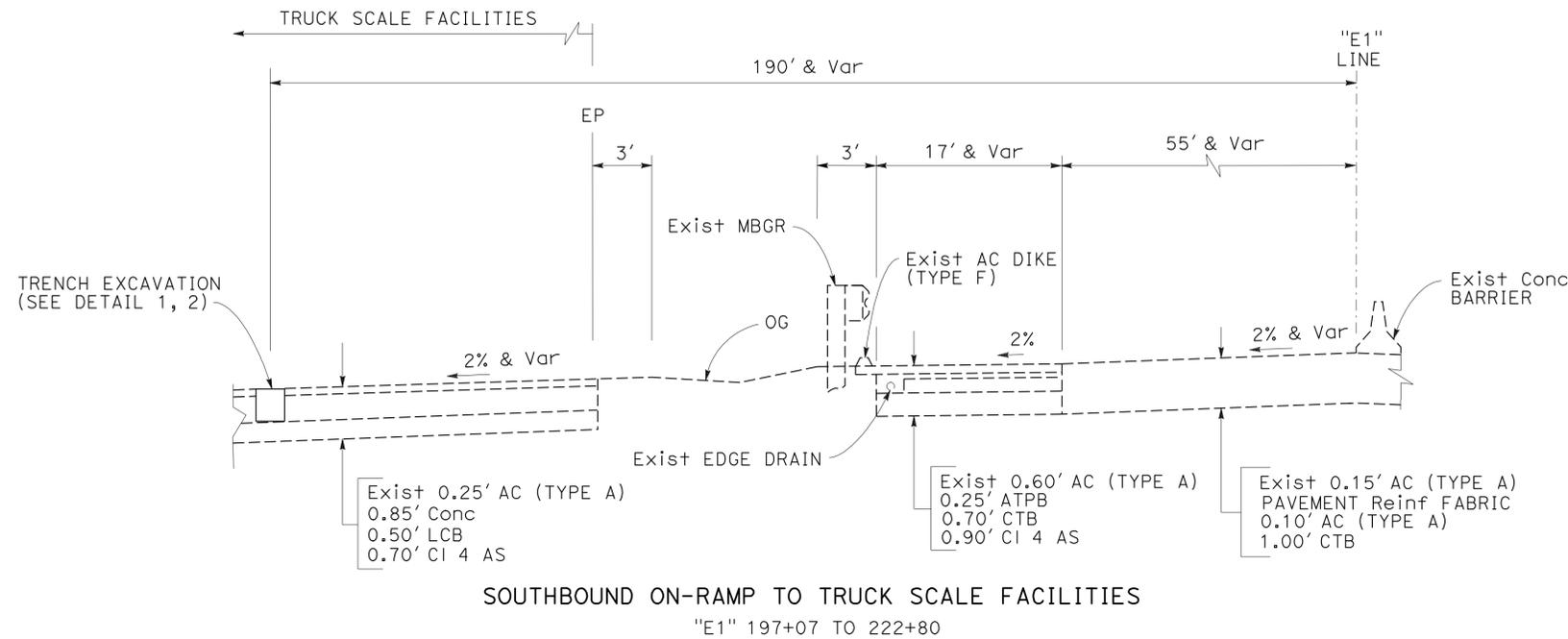
LAST REVISION: 09-08-10

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	880	3.7/4.2	2	47

Arlissa Pang 9-15-10
 REGISTERED CIVIL ENGINEER DATE
 1-31-11
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Arlissa Pang
 No. 38595
 Exp. 3-31-11
 CIVIL
 STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



TYPICAL CROSS SECTIONS
NO SCALE

SANDY MA
 ARLISSA PANG
 ARLISSA PANG
 ARLISSA PANG
 DESIGN
 STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Caltrans



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	880	3.7/4.2	4	47

Arlissa Pang 9-15-10
 REGISTERED CIVIL ENGINEER DATE

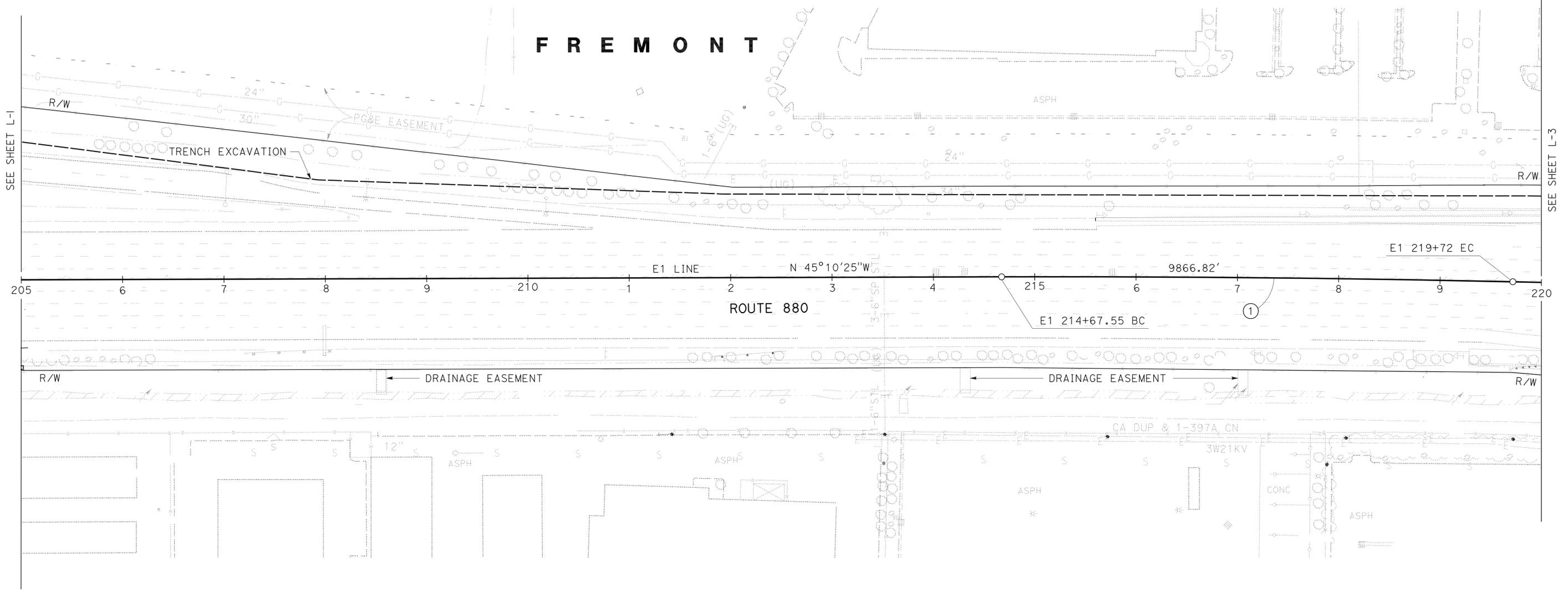
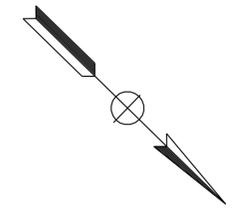
1-31-11
 PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
 Arlissa Pang
 No. 38595
 Exp. 3-31-11
 CIVIL
 STATE OF CALIFORNIA

CURVE DATA

No.	R	Δ	T	L	N-COORDINATE	E-COORDINATE
①	20000'	1°26' 43"	252.25'	504.49	382,901.270	1,590,135.790



FOR NOTES, ABBREVIATIONS
 AND LEGEND, SEE SHEET L-1

LAYOUT
 SCALE: 1" = 50'

L-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION DESIGN

Caltrans

FUNCTIONAL SUPERVISOR: ARLISSA PANG

CHECKED BY: ARLISSA PANG

DESIGNED BY: SANDY MA

REVISIONS:

NO.	DATE	BY	DESCRIPTION
1	9-15-10	ARLISSA PANG	REGISTERED CIVIL ENGINEER DATE
2	1-31-11	ARLISSA PANG	PLANS APPROVAL DATE

REVISIONS:

NO.	DATE	BY	DESCRIPTION
1	7/2/2010	TRMIKES1	USERNAME => TRMIKES1
2			DGN FILE => 0400000950ea003.dgn

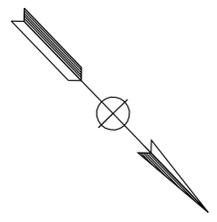
NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	880	3.7/4.2	5	47

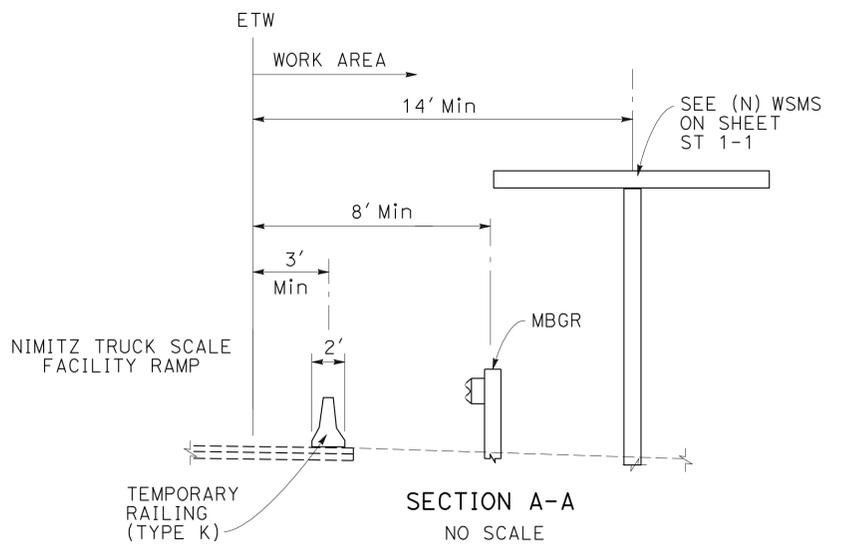
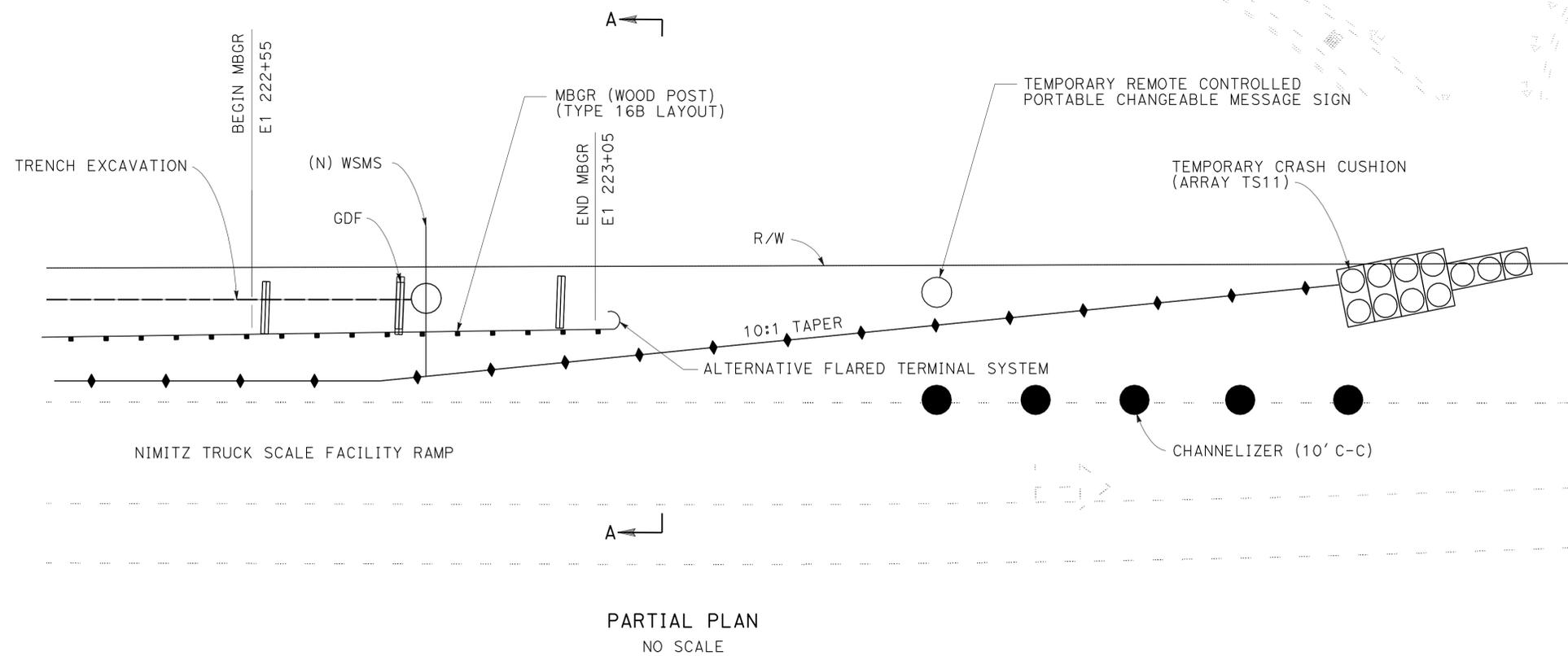
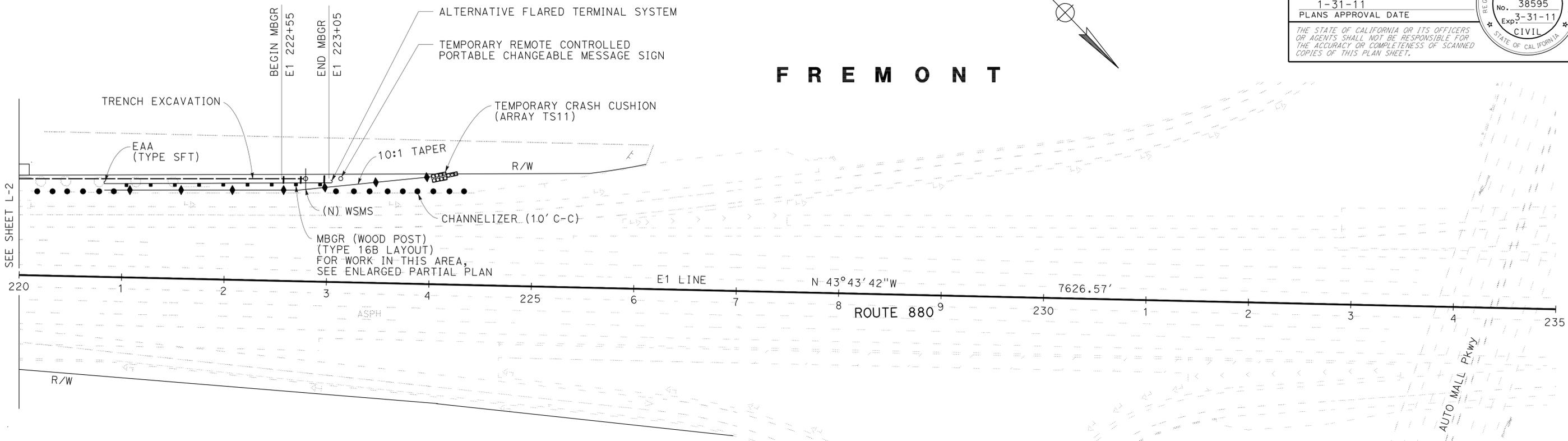
REGISTERED CIVIL ENGINEER
Arlissa Pang
 No. 38595
 Exp. 3-31-11
 CIVIL

9-15-10 DATE
 1-31-11 PLANS APPROVAL DATE

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F R E M O N T



FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET L-1



UNIT 040702

PROJECT NUMBER & PHASE

04000009501

LAST REVISION DATE PLOTTED => 01-FEB-2011 09-14-10 TIME PLOTTED => 10:22

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans WATER QUALITY

FUNCTIONAL SUPERVISOR: DAVID W. YAM
 CHECKED BY: ANGELA KWAN
 DESIGNED BY: SALLY BANG
 REVISIONS: A, A

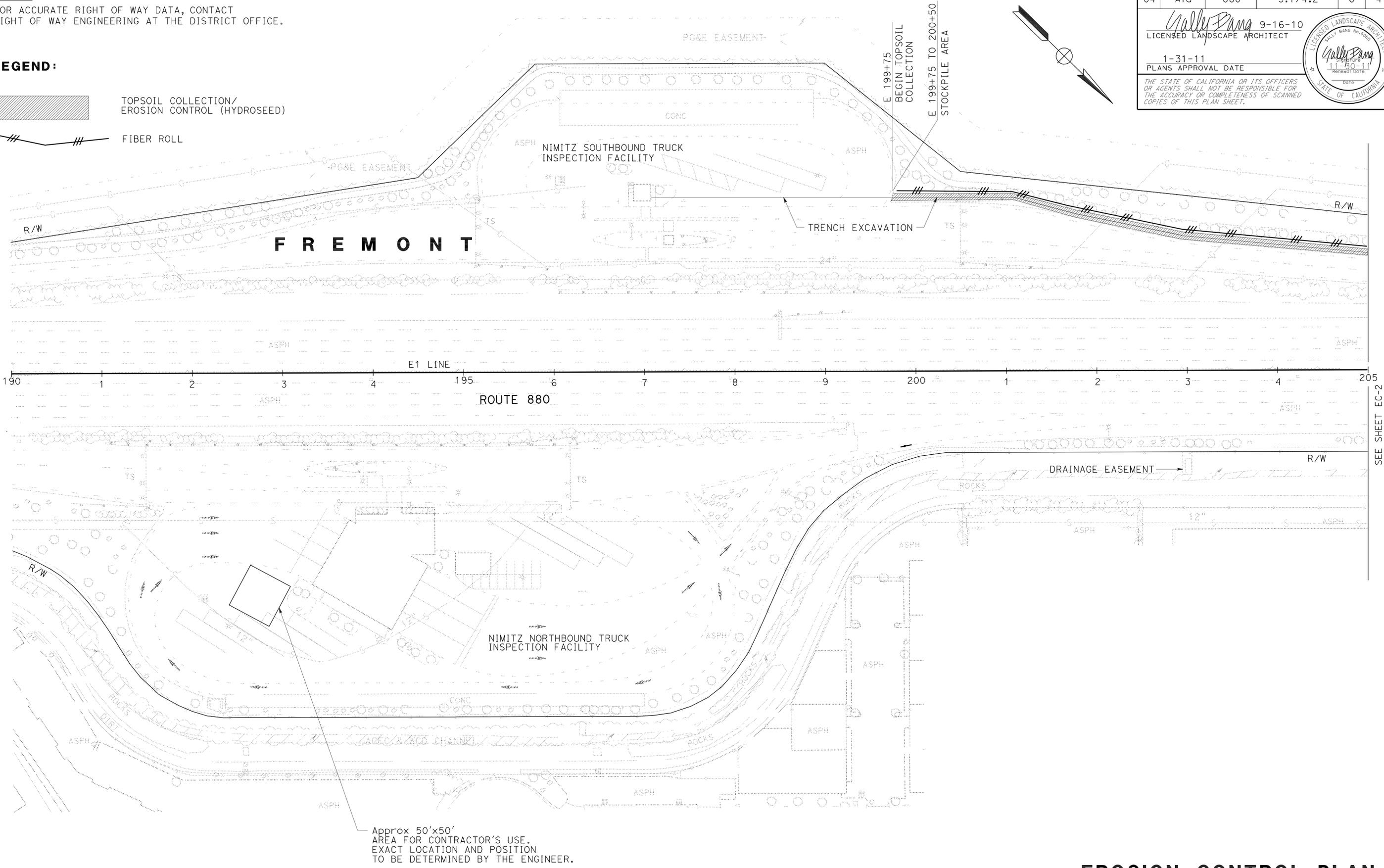
NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

LEGEND:
 TOPSOIL COLLECTION/
 EROSION CONTROL (HYDROSEED)
 FIBER ROLL

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	880	3.7/4.2	6	47

Sally Bang 9-16-10
 LICENSED LANDSCAPE ARCHITECT
 1-31-11
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS
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Approx 50'x50'
 AREA FOR CONTRACTOR'S USE.
 EXACT LOCATION AND POSITION
 TO BE DETERMINED BY THE ENGINEER.

FOR NOTES, ABBREVIATIONS
 AND LEGEND, SEE SHEET L-1

THIS PLAN ACCURATE FOR EROSION CONTROL WORK ONLY

EROSION CONTROL PLAN
 SCALE: 1" = 50'

EC-1

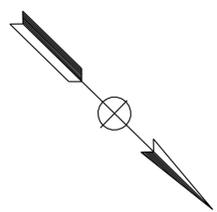
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans WATER QUALITY

FUNCTIONAL SUPERVISOR: DAVID W. YAM
 CALCULATED/DESIGNED BY: SALLY BANG
 CHECKED BY: ANGELA KWAN
 REVISED BY: A
 DATE REVISED: A

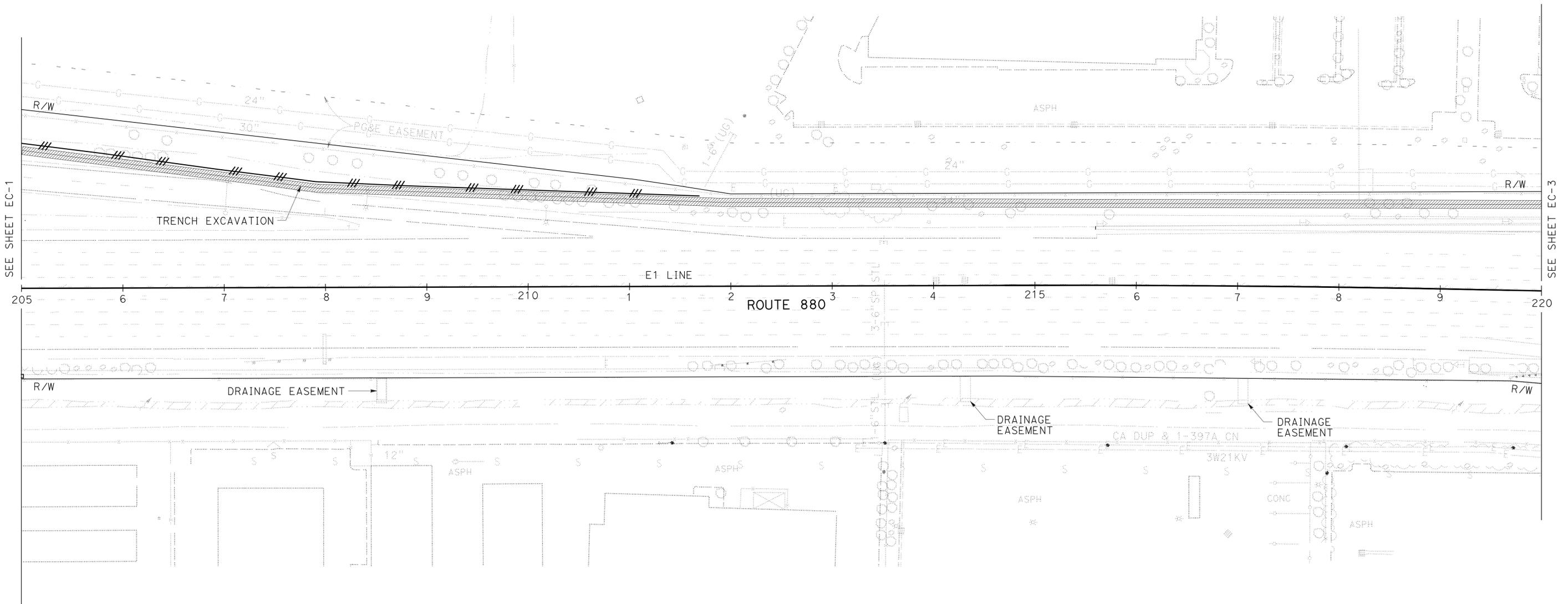
NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	880	3.7/4.2	7	47

Sally Bang 9-16-10
 LICENSED LANDSCAPE ARCHITECT
 1-31-11
 PLANS APPROVAL DATE
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F R E M O N T



FOR LEGEND, SEE SHEET EC-1

THIS PLAN ACCURATE FOR EROSION CONTROL WORK ONLY

EROSION CONTROL PLAN

SCALE: 1" = 50'

EC-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans WATER QUALITY

FUNCTIONAL SUPERVISOR: DAVID W. YAM
 CALCULATED/DESIGNED BY: SALLY BANG
 CHECKED BY: ANGELA KWAN
 REVISED BY: A
 DATE REVISED: A

BORDER LAST REVISED 7/2/2010
 USERNAME => trmartin
 DGN FILE => 0400000950ge003.dgn

RELATIVE BORDER SCALE IS IN INCHES

UNIT 040792

PROJECT NUMBER & PHASE

04000009501

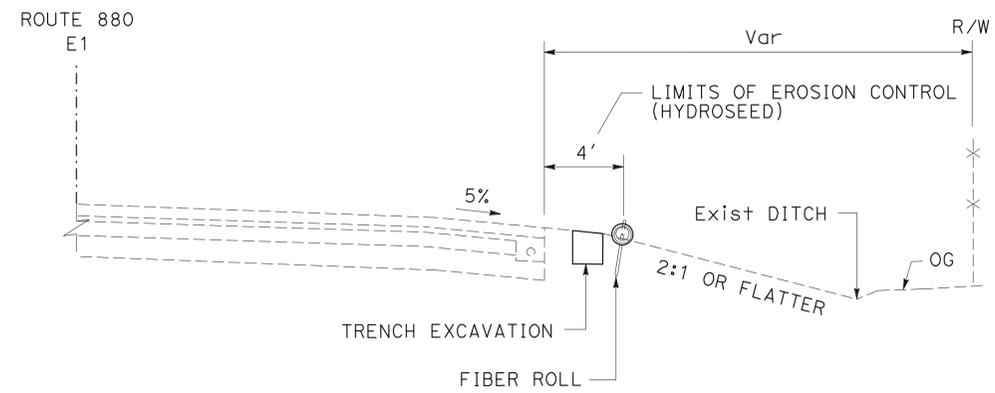
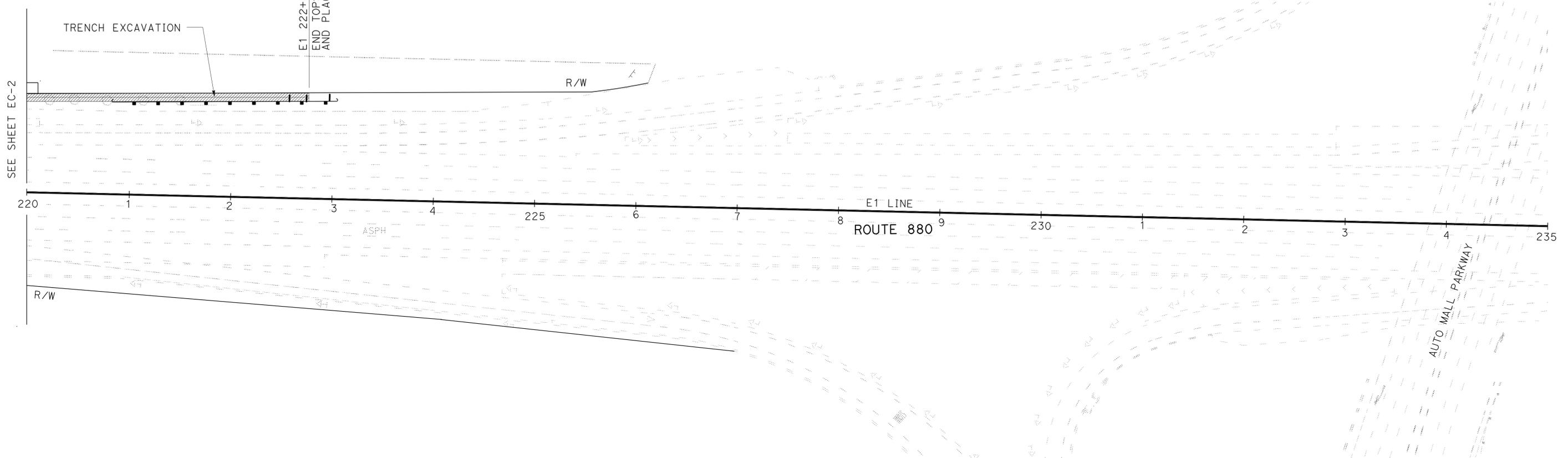
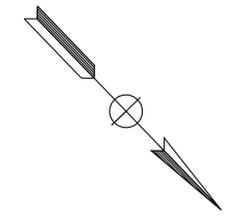
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	880	3.7/4.2	8	47

Sally Bang 9-16-10
 LICENSED LANDSCAPE ARCHITECT
 1-31-11
 PLANS APPROVAL DATE

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F R E M O N T



EROSION CONTROL QUANTITIES

SHEET No.	TOPSOIL COLLECTION EROSION CONTROL (HYDROSEED)	FIBER ROLLS
	SQFT	LF
EC-1	2135	525
EC-2	6000	675
EC-3	1115	-
TOTAL	9250	1200

EROSION CONTROL PLAN AND QUANTITIES

SCALE: 1" = 50'

EC-3

FOR LEGEND, SEE SHEET EC-1

THIS PLAN ACCURATE FOR EROSION CONTROL WORK ONLY

LAST REVISION DATE PLOTTED => 01-FEB-2011
 08-02-10 TIME PLOTTED => 07:58

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN	SIGN CODE	SIGN MESSAGE	PANEL SIZE (INCH)	No. OF POSTS & SIZES (EA-INCH)	NUMBER OF SIGNS
A	W20-1	ROAD WORK AHEAD	48 x 48	1-4 x 6	2
B	G20-2	END ROAD WORK	36 x 18	1-4 x 4	2

LEGEND:

□ CONSTRUCTION AREA SIGN DESIGNATION

NOTE:

EXACT LOCATION AND POSITION OF CONSTRUCTION AREA SIGNS TO BE DETERMINED BY THE ENGINEER.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	880	3.7/4.2	9	47

Florante P. Perez
 REGISTERED CIVIL ENGINEER DATE _____
 1-31-11
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Florante P. Perez
 No. 41030
 Exp. 3-31-11
 CIVIL
 STATE OF CALIFORNIA

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 TRAFFIC

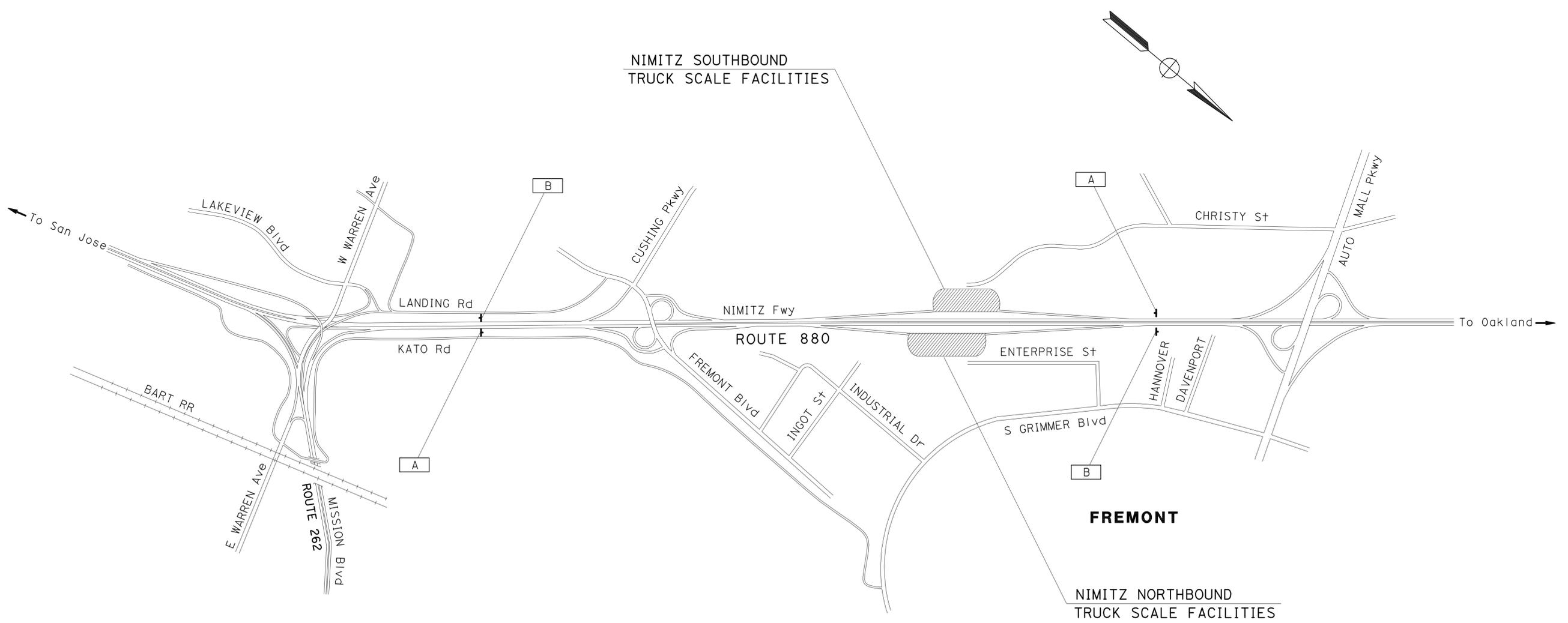
FUNCTIONAL SUPERVISOR
 LOURDES DAVID

CALCULATED/DESIGNED BY
 CHECKED BY

LEOPOLDO BONGATO
 FLORANTE PEREZ

REVISED BY
 DATE REVISED

A
 A



CONSTRUCTION AREA SIGNS
 NO SCALE

THIS PLAN ACCURATE FOR CONSTRUCTION AREA SIGN WORK ONLY

CS-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 DESIGN
 FUNCTIONAL SUPERVISOR: ARLISSA PANG
 CALCULATED/DESIGNED BY: ARLISSA PANG
 CHECKED BY: ARLISSA PANG
 SANDY MA
 ARLISSA PANG
 REVISED BY: A
 DATE REVISED: A
 A
 A

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala	880	3.7/4.2	10	47

Arlissa Pang 9-15-10
 REGISTERED CIVIL ENGINEER DATE

1-31-11
 PLANS APPROVAL DATE

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TRAFFIC HANDLING QUANTITIES

SHEET No.	STATION LIMIT	TEMPORARY RAILING (TYPE K)	CHANNELIZER (SURFACE MOUNTED)	TEMPORARY CRASH CUSHION MODULE	REMARKS
		LF	EA	EA	
L-3	87' Lt E1 222+00 TO 225+00	350	18	11	ARRAY TS-11
TOTAL		350	18	11	

TRENCH EXCAVATION - BACKFILL/PAVEMENT SECTION

SHEET No.	STATION LIMIT	ROADWAY EXCAVATION	MINOR CONCRETE (BACKFILL)	MINOR HOT MIX ASPHALT	LOCAL TOP SOIL (N)
		CY	CY	TON	CY
L-1	150' Rt E1 191+50 TO 194+00	90	45	2.4	
L-1	190' Lt E1 197+07 TO 199+75	100	55	2.6	
L-1	190' Lt E1 199+75 TO 205+00	100			100
L-2	95' Lt E1 205+00 TO 220+00	305			305
L-3	95' Lt E1 220+00 TO 222+80	55			55
TOTAL		650	100	5	

METAL BEAM GUARD RAILING

SHEET No.	STATION LIMIT	LAYOUT TYPE (N)	METAL BEAM GUARD RAILING (WOOD POST)	ALTERNATIVE FLARED TERMINAL SYSTEM	END ANCHOR ASSEMBLY (TYPE SFT)	OBJECT MARKER (TYPE L-1)	GUARD RAILING DELINEATOR
			LF		EA		
L-3	93' Lt E1 222+55 TO 223+05	16B	200	1	1	1	4
TOTAL			200	1	1	1	4

(N) NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

SUMMARY OF QUANTITIES

Q-1



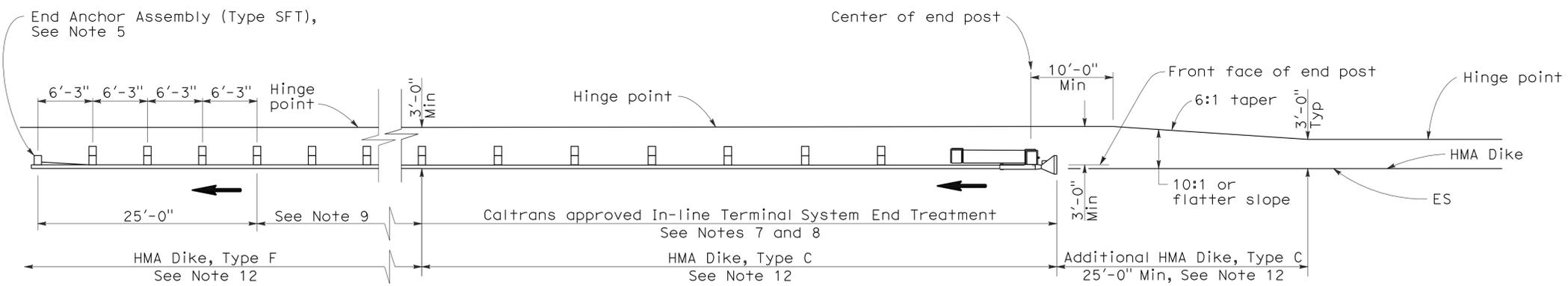
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	11	47

RANDALL D. HIATT
 REGISTERED CIVIL ENGINEER
 No. C50200
 Exp. 6-30-09
 CIVIL
 STATE OF CALIFORNIA

June 6, 2008
 PLANS APPROVAL DATE

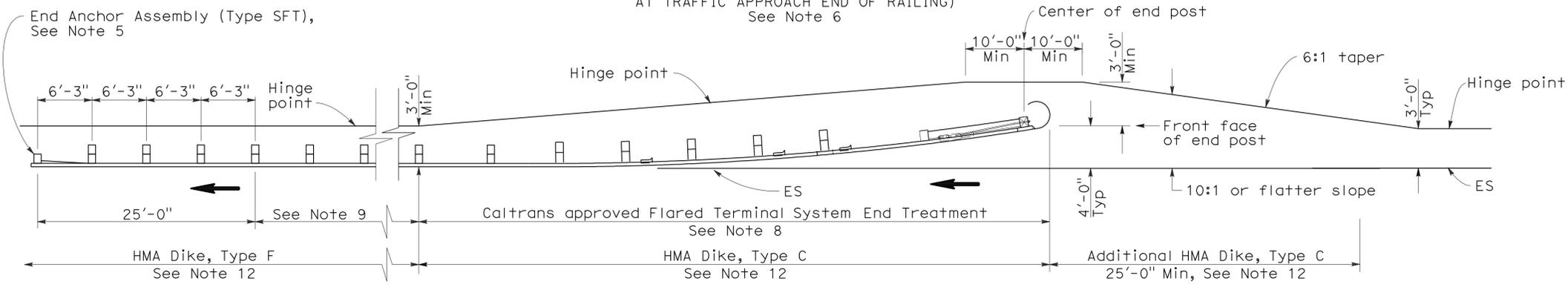
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 1-31-11



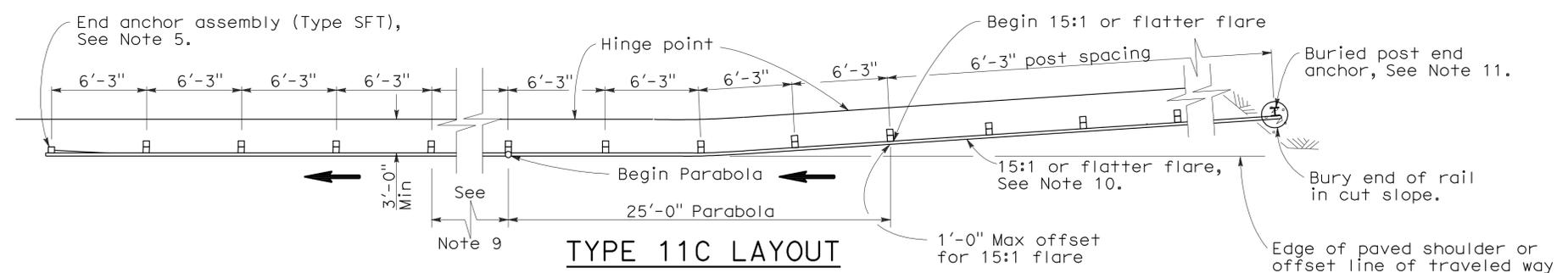
TYPE 11A LAYOUT

(EMBANKMENT GUARD INSTALLATION WITH IN-LINE END TREATMENT AT TRAFFIC APPROACH END OF RAILING) See Note 6



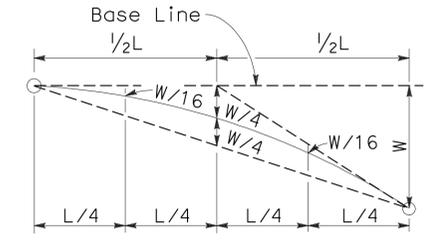
TYPE 11B LAYOUT

(EMBANKMENT GUARD RAILING INSTALLATION WITH FLARED END TREATMENT AT TRAFFIC APPROACH END OF RAILING) See Note 6

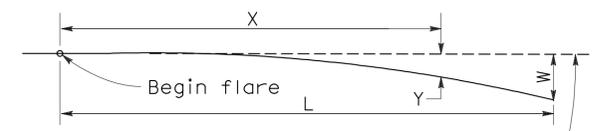


TYPE 11C LAYOUT

(EMBANKMENT GUARD RAILING INSTALLATION WITH BURIED END ANCHOR TREATMENT AT TRAFFIC APPROACH END OF RAILING) See Notes 6 and 12

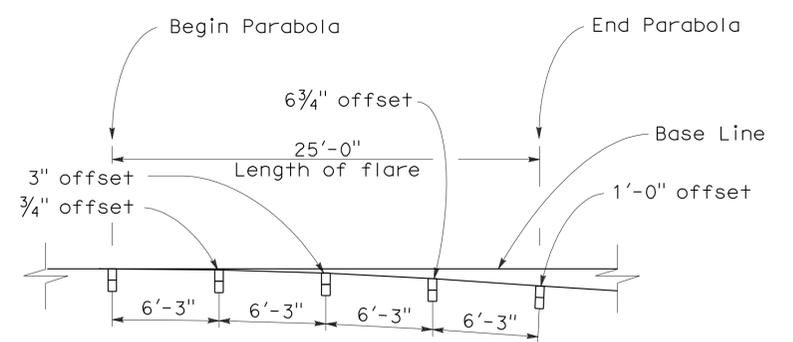


TYPICAL PARABOLIC LAYOUT



$$Y = \frac{WX^2}{L^2}$$
 Y = Offset from base line
 W = Maximum offset
 X = Distance along base line
 L = Length of flare

PARABOLIC FLARE OFFSETS



TYPICAL FLARE OFFSETS FOR 1 FOOT MAX END OFFSET

NOTES:

- Line post, blocks and hardware to be used are shown on Standard Plans A77A1, A77A2, A77B1, A77C1, and A77C2.
- Guard rail post spacing to be 6'-3" center to center, except as otherwise noted.
- Except as noted, line posts are 6" x 8" x 6'-0" wood with 6" x 8" x 1'-2" wood blocks. W6 x 9 steel posts, 6'-0" in length, with 6" x 8" x 1'-2" notched wood blocks or recycled plastic blocks may be used for 6" x 8" x 6'-0" wood post with 6" x 8" x 1'-2" wood blocks where applicable and when specified.
- Direction of adjacent traffic indicated by \rightarrow .
- For End Anchor Assembly (Type SFT) details, see Standard Plan A77H1.
- Layout Types 11A, 11B or 11C are typically used where guard railing is recommended to shield embankment slopes and a crashworthy end treatment is required for only one direction of traffic.
- In-line Terminal System End Treatments are used where site conditions will not accommodate a flared end treatment.
- The type of terminal system end treatment to be used will be shown on the Project Plans.
- Dependent on site conditions (embankment height and side slope), construction of additional guard railing (length equal to multiples of 12'-6" with 6'-3" post spacing) may be advisable.
- The 15:1 or flatter flare used with buried end anchors is based on the edge of the paved shoulder or offset line of edge of the traveled way. The length of guard railing within the 15:1 or flatter flare is based on site conditions and should be a length equal to multiples of 12'-6".
- For details of the buried post end anchor used with Type 11C Layout, see Standard Plan A77I2.
- Where placement of dike is required with guard railing installations, see Revised Standard Plan RSP A77C4 for dike positioning details.

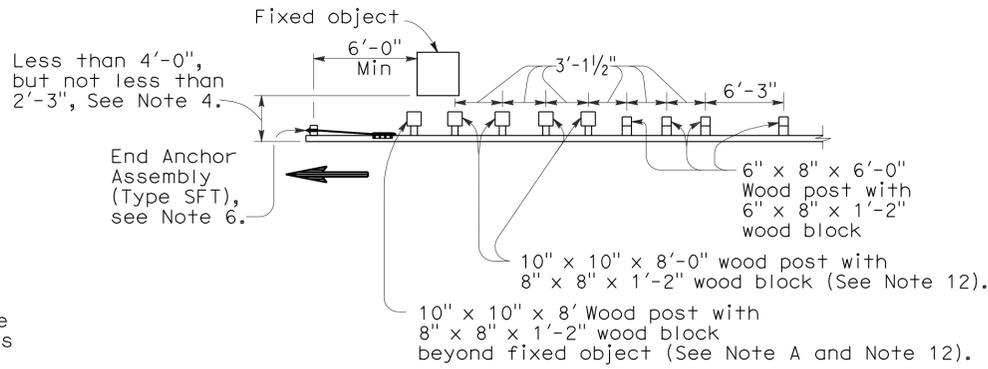
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
METAL BEAM GUARD RAILING
TYPICAL LAYOUTS FOR
EMBANKMENTS
 NO SCALE
 RSP A77E1 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN A77E1
 DATED MAY 1, 2006 - PAGE 48 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP A77E1

2006 REVISED STANDARD PLAN RSP A77E1

NOTES:

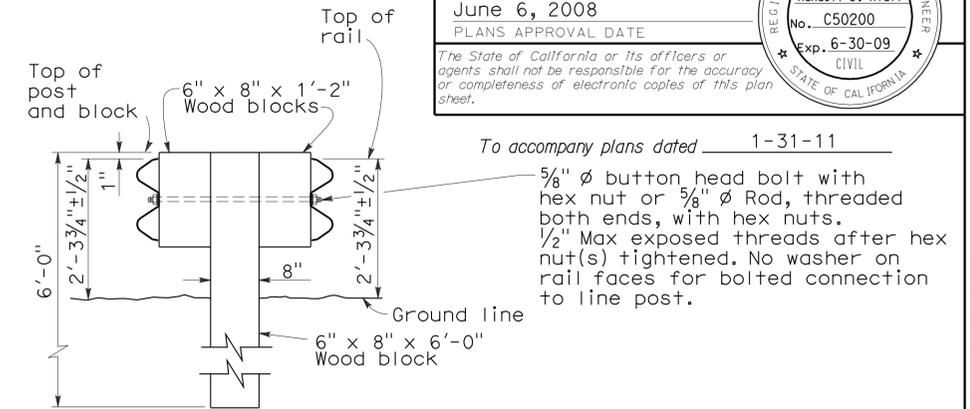
- Line post, blocks and hardware to be used are shown on Standard Plans A77A1, A77A2, A77B1, A77C1 and A77C2.
- Guard railing post spacing to be 6'-3" center to center, except as otherwise noted.
- Except as noted, line posts are 6" x 8" x 6'-0" wood with 6" x 8" x 1'-2" wood blocks. W6 x 9 steel posts, 6'-0" in length, with 6" x 8" x 1'-2" notched wood blocks or notched recycled plastic blocks may be used for 6" x 8" x 6'-0" wood line posts with 6" x 8" x 1'-2" wood blocks where applicable and when specified.
- A 4'-0" minimum clearance is required between the face of the railing and the face of a fixed object located directly behind standard guard railing sections with post spacing of 6'-3". Construct guard railing as shown in the detail "Strengthened Railing Sections for Fixed Objects" on this plan, where the clearance between the face of the railing and the face of a fixed object is less than 4'-0", but not less than 2'-3". Where the clearance is less than 2'-3", a concrete wall or barrier should be constructed to shield the fixed object(s).
- Direction of adjacent traffic indicated by \rightarrow .
- For End Anchor Assembly (Type SFT) details, see Standard Plan A77H1.
- For details of Rail Tensioning Assembly, see Standard Plan A77H2.
- The type of crash cushion to be used will be shown on the Project Plans.
- Type 14A layout is typically used on multilane freeways or expressways to shield fixed objects where a median type barrier is not constructed between the separated roadbeds.
- For typical flare offsets for 25'-0" length parabola with maximum offset of 1'-0", see Revised Standard Plan RSP A77E1.
- The 15:1 or flatter flare is measured off of the edge of traveled way.
- W6 x 15 steel post, 8'-0" in length, with 8" x 8" x 1'-2" notched wood block or notched recycled plastic block may be used in place of the 10" x 10" x 8'-0" wood post with 8" x 8" x 1'-2" wood block shown in the "Strengthened Railing Sections Detail".



NOTE A: For a series of fixed objects (bridge columns, overhead sign supports, etc.) additional 10" x 10" x 8'-0" wood post with 8" x 8" x 1'-2" wood blocks at 3'-1/2" center to center spacing are to be used between fixed objects.

STRENGTHENED RAILING SECTIONS FOR FIXED OBJECT

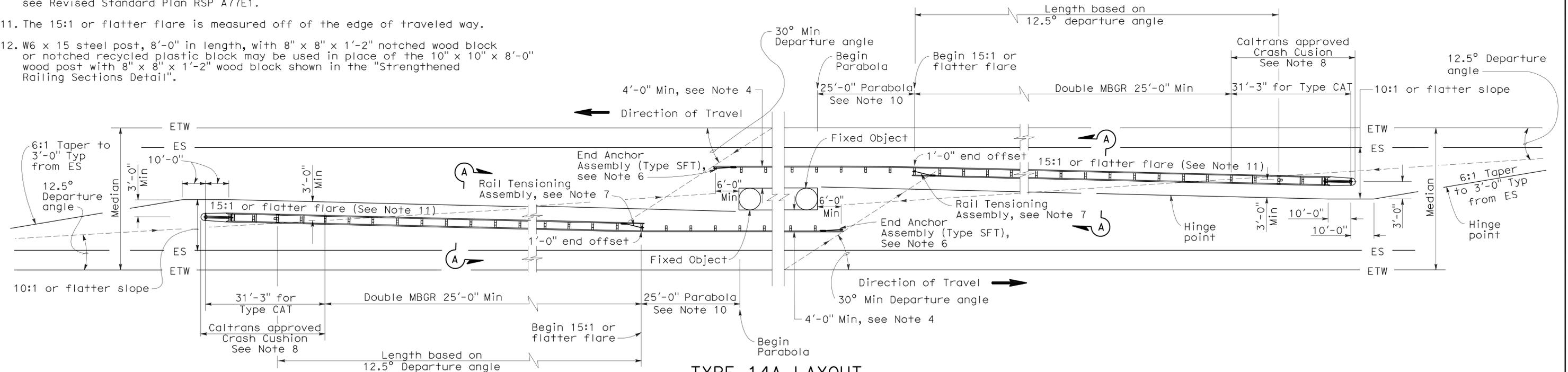
Use strengthened railing sections with Type 14A layout where minimum clearance between the face of the guard railing and fixed object(s) is less than 4'-0", but not less than 2'-3", See Note 4.



**SECTION A-A
TYPICAL DOUBLE METAL BEAM GUARD RAILING**

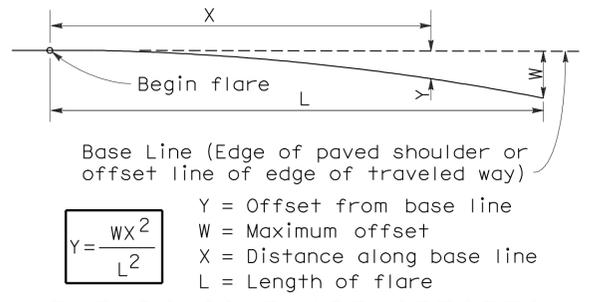
To accompany plans dated 1-31-11

5/8" ϕ button head bolt with hex nut or 5/8" ϕ Rod, threaded both ends, with hex nuts. 1/2" Max exposed threads after hex nut(s) tightened. No washer on rail faces for bolted connection to line post.

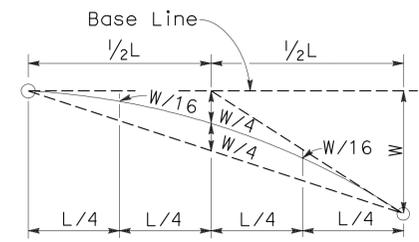


TYPE 14A LAYOUT

See Note 9



PARABOLIC FLARE OFFSETS



TYPICAL PARABOLIC LAYOUT

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**METAL BEAM GUARD RAILING
TYPICAL LAYOUTS FOR
FIXED OBJECTS
BETWEEN SEPARATE ROADBEDS
(TWO-WAY TRAFFIC)**

NO SCALE

RSP A77G1 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN A77G1
DATED MAY 1, 2006 - PAGE 59 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP A77G1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	12	47

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

2006 REVISED STANDARD PLAN RSP A77G1

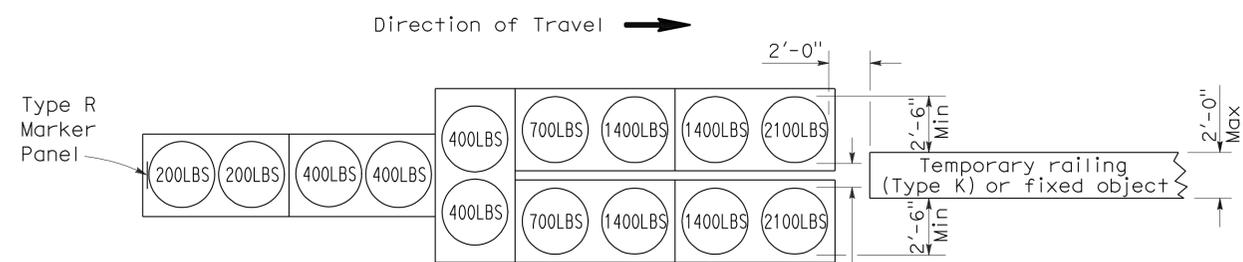
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	13	47

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

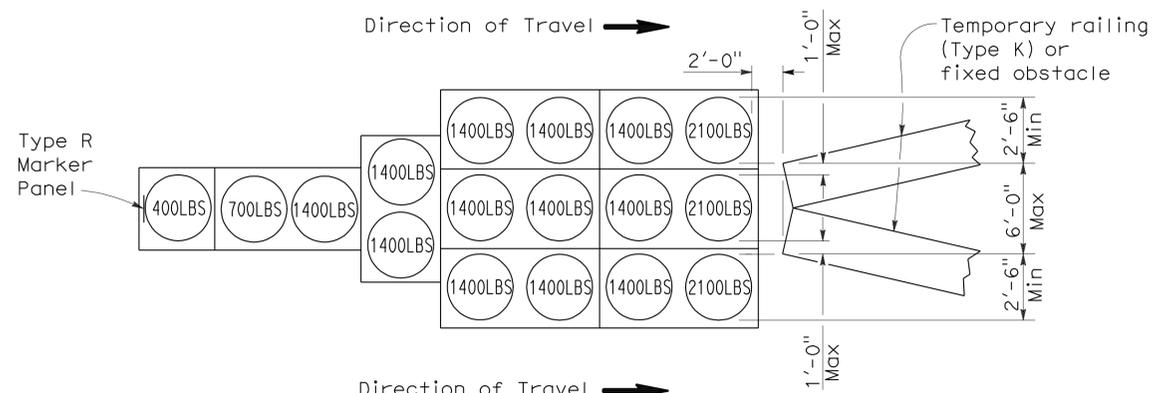
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 1-31-11



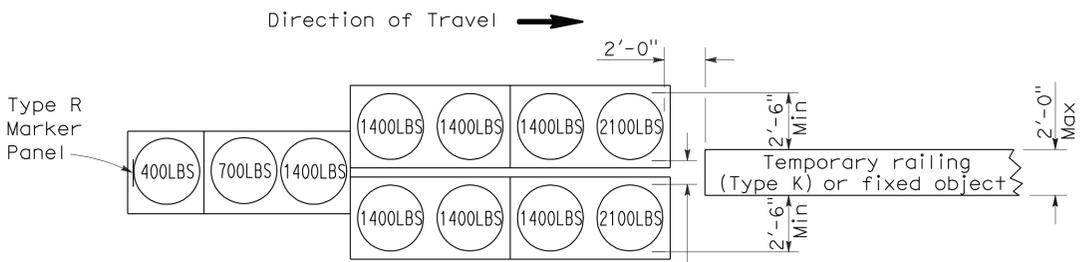
ARRAY 'TU14'

Approach speed 45 mph or more



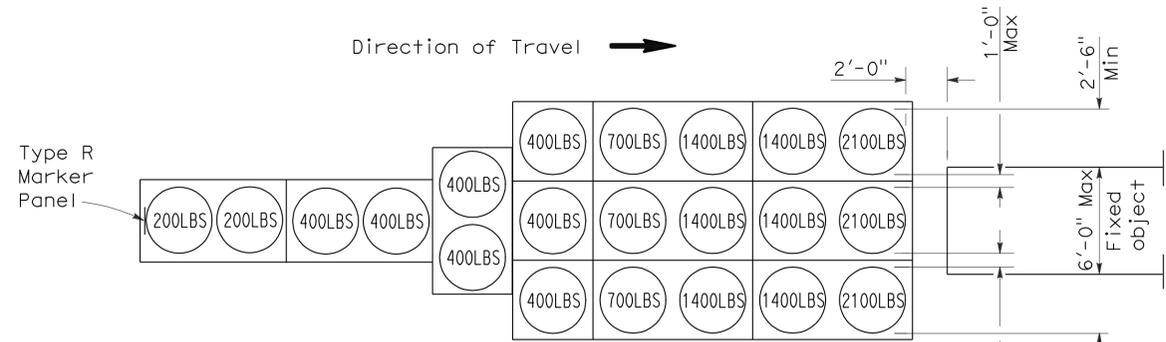
ARRAY 'TU17'

Approach speed less than 45 mph



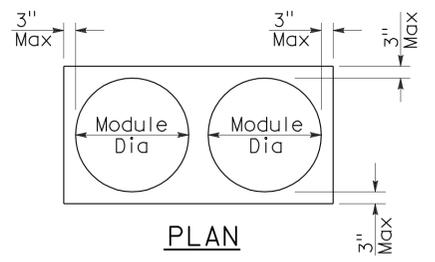
ARRAY 'TU11'

Approach speed less than 45 mph

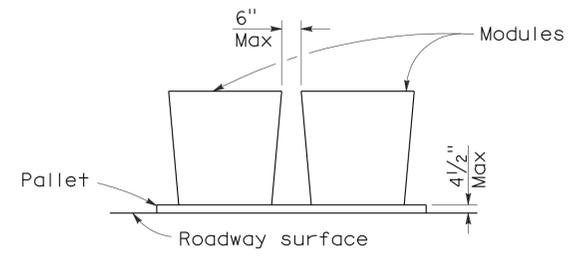


ARRAY 'TU21'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the top of Type R marker panel 1" below the module lid.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,
SAND FILLED
(UNIDIRECTIONAL)**

NO SCALE

RSP T1A DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1A
DATED MAY 1, 2006 - PAGE 211 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

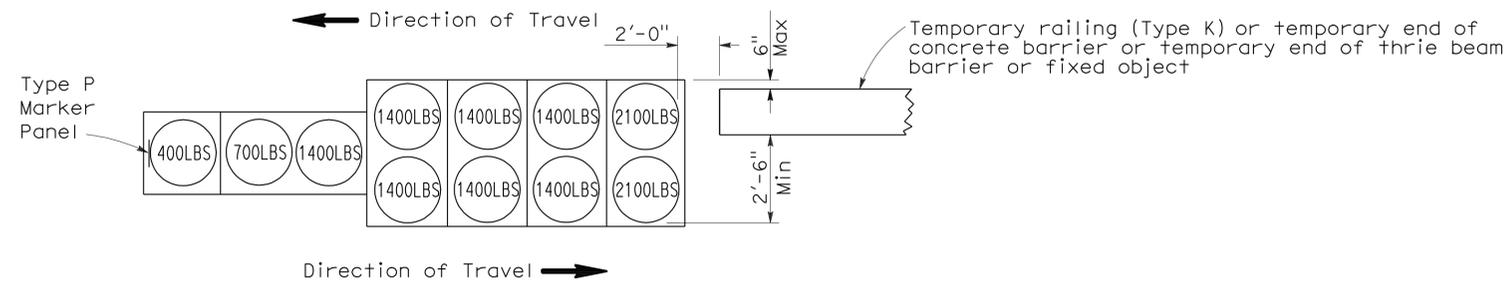
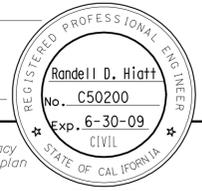
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	14	47

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

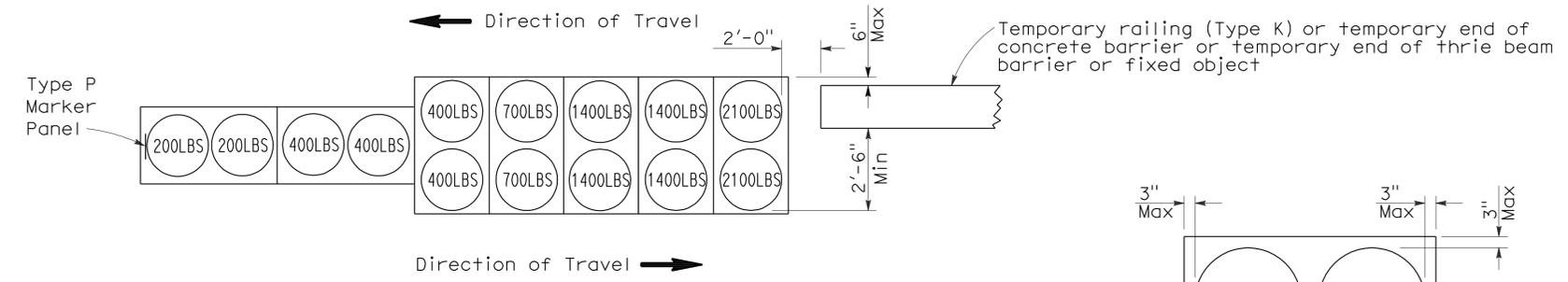
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 1-31-11



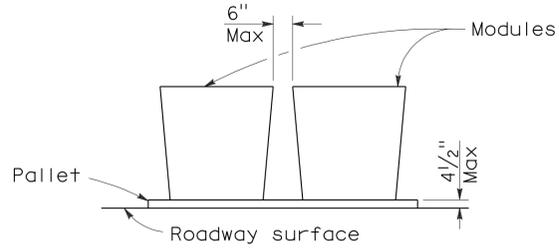
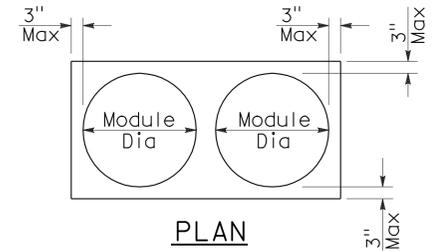
ARRAY 'TB11'

Approach speed less than 45 mph



ARRAY 'TB14'

Approach speed 45 mph or more



CRASH CUSHION PALLET DETAIL
See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the Type P marker panel so that the bottom of the panel rests upon the pallet.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY CRASH CUSHION,
SAND FILLED
(BIDIRECTIONAL)**

NO SCALE

RSP T1B DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1B
DATED MAY 1, 2006 - PAGE 212 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	15	47

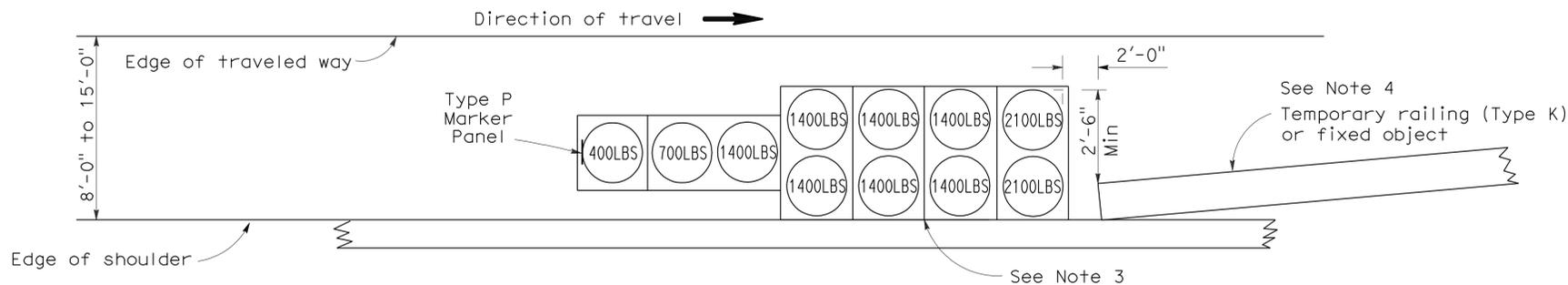
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

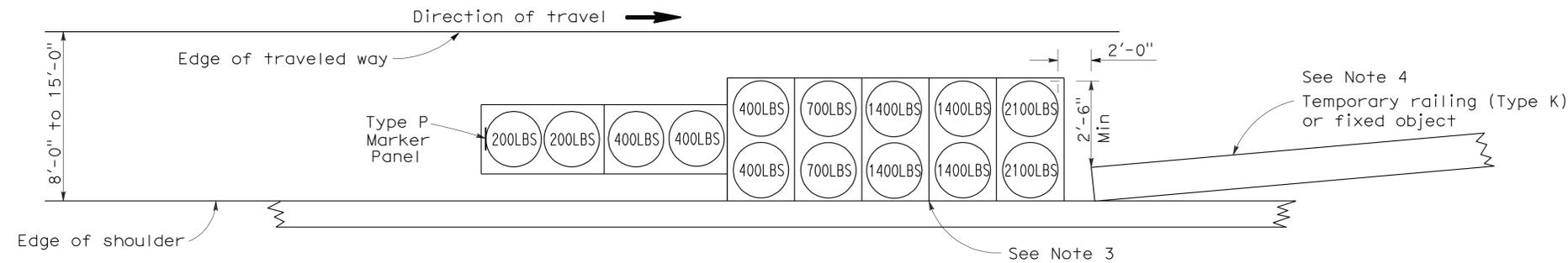
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

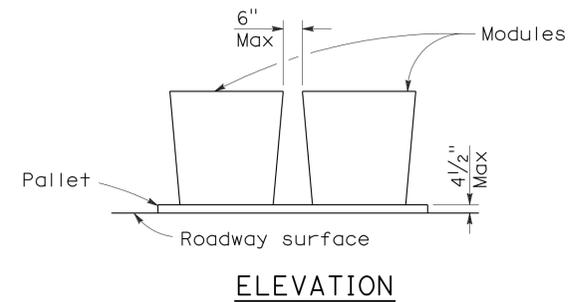
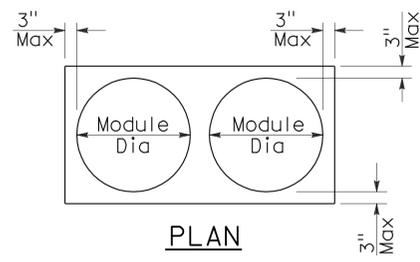
To accompany plans dated 1-31-11



ARRAY 'TS11'
Approach speed less than 45 mph
See Note 9



ARRAY 'TS14'
Approach speed 45 mph or more
See Note 9



CRASH CUSHION PALLET DETAIL
See Note 11

NOTES:

- (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
- All sand weights are nominal.
- The temporary crash cushion arrays shown on this plan shall be used only in locations where there will be traffic on one side of the temporary crash cushion array.
- If the fixed object or approach end of the temporary railing is less than 15'-0" from the edge of traveled way, a temporary crash cushion is required in a construction or work zone.
- Temporary crash cushion arrays shall not encroach on the traveled way.
- Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
- Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
- Refer to Standard Plan A73B for marker details.
- For shoulder widths less than 8'-0", appropriate approved crash cushion protection, other than sand filled modules, shall be provided at fixed objects and at approach ends of temporary railing. The specific type of crash cushion shall be as shown on the project plans or as specified in the Special Provisions, or if not shown on the project plans or specified in the Special Provisions, shall be as approved by the Engineer.
- Approach speeds indicated conform to NCHRP 350 Report criteria.
- Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,
SAND FILLED
(SHOULDER INSTALLATIONS)**

NO SCALE
RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	16	47

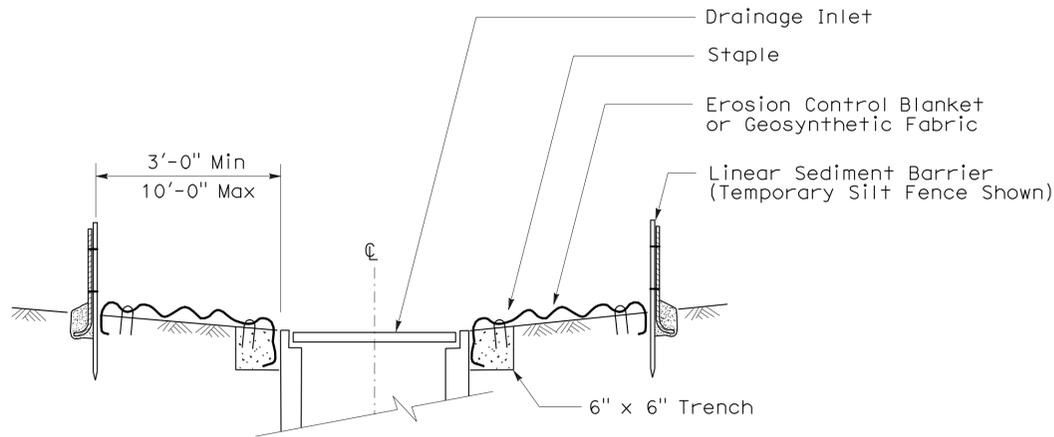
Robert B. Schott
 LICENSED LANDSCAPE ARCHITECT

August 15, 2008
 PLANS Approval DATE

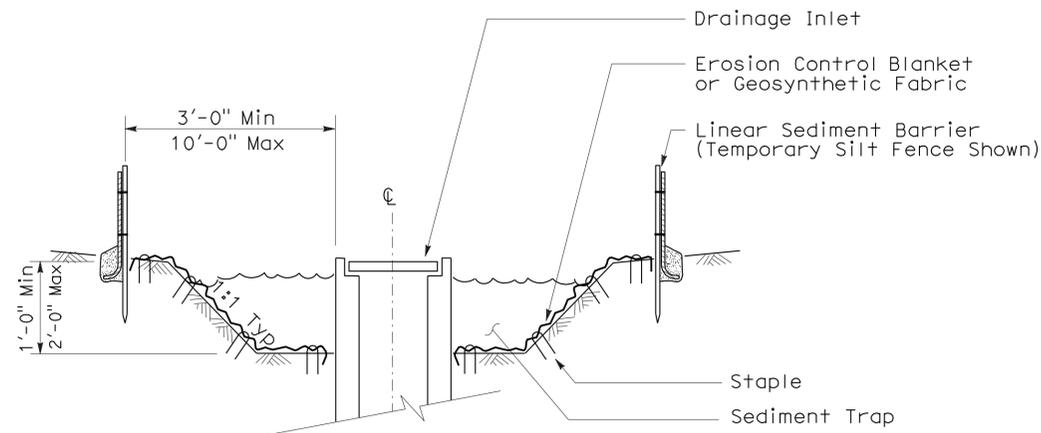
Robert B. Schott
 Signature
 11-04-08
 08-11-08
 Date

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To accompany plans dated 1-31-11



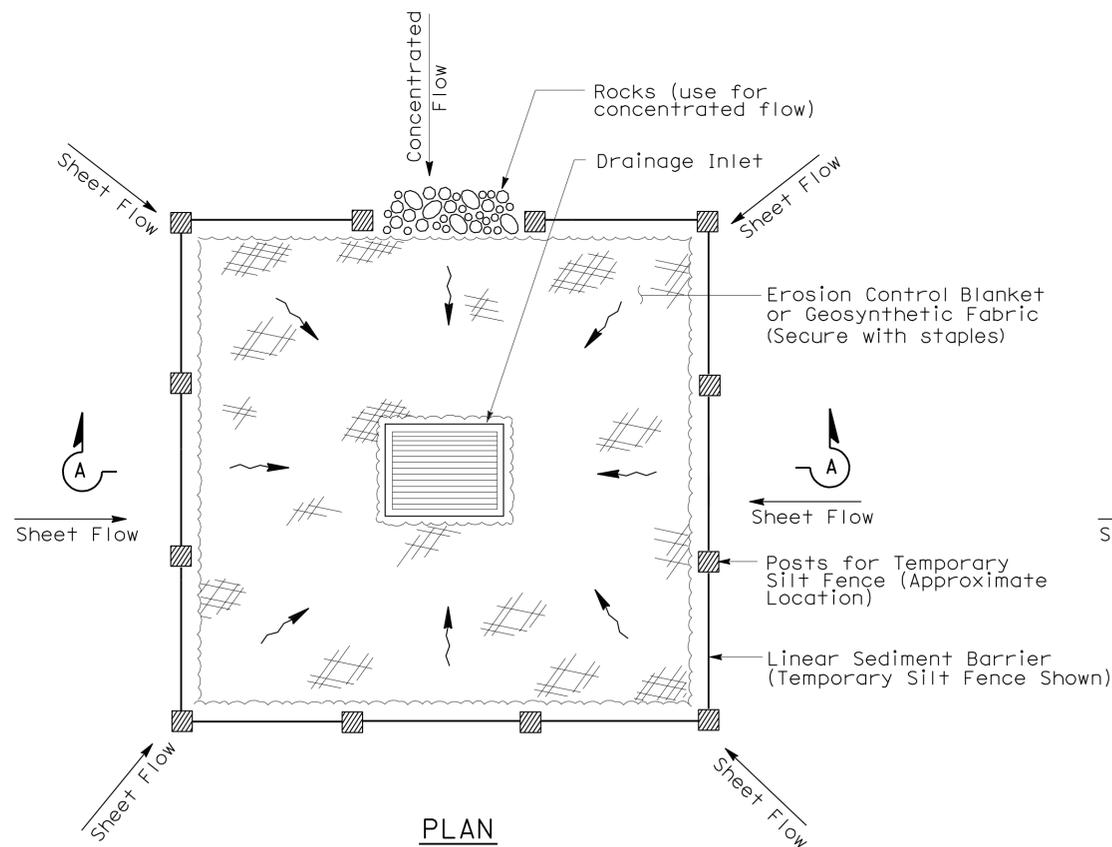
SECTION A-A



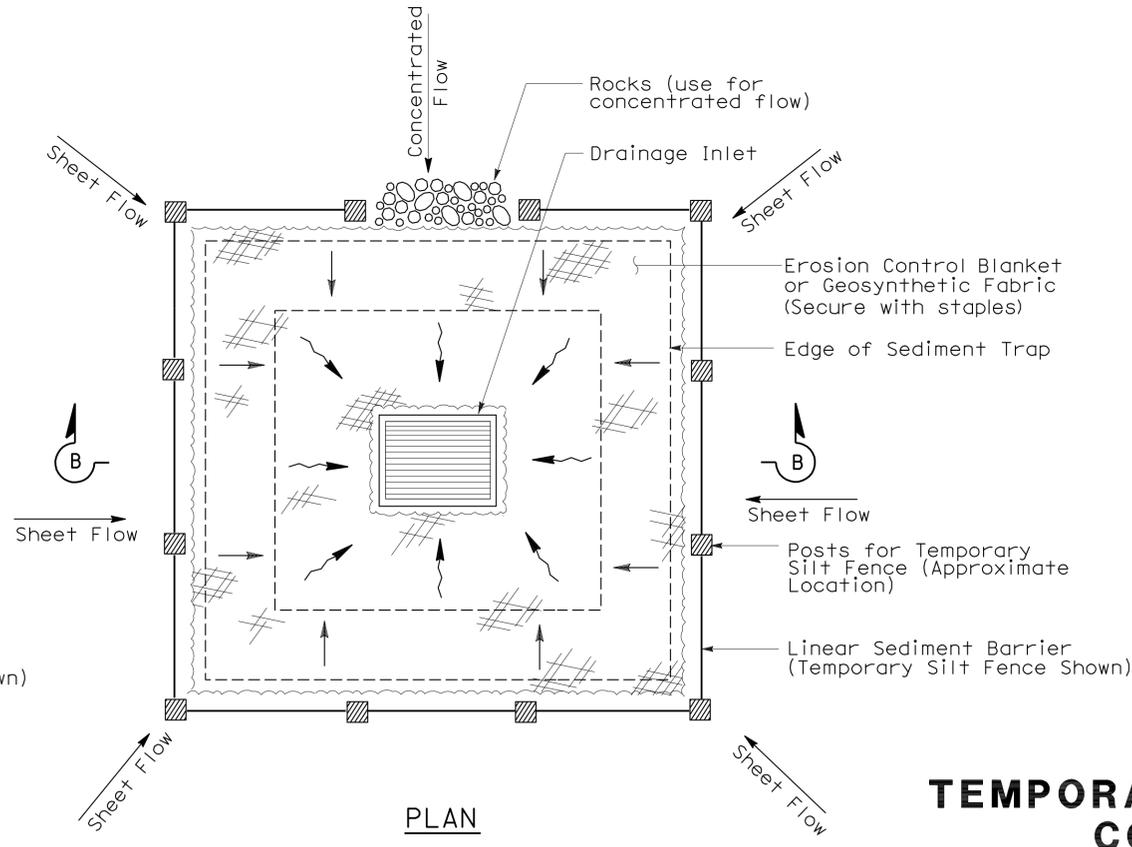
SECTION B-B

NOTES:

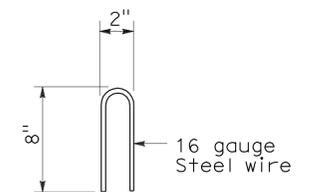
1. See Standard Plan T51 for Temporary Silt Fence.
2. Dimensions may vary to fit field conditions.



TEMPORARY DRAINAGE INLET PROTECTION (TYPE 1)



TEMPORARY DRAINAGE INLET PROTECTION (TYPE 2) (EXCAVATED SEDIMENT TRAP)



STAPLE DETAIL

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
TEMPORARY WATER POLLUTION CONTROL DETAILS
(TEMPORARY DRAINAGE INLET PROTECTION)

NO SCALE

NSP T61 DATED AUGUST 15, 2008 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	17	47

Robert B. Schott
LICENSED LANDSCAPE ARCHITECT

August 15, 2008
PLANS APPROVAL DATE

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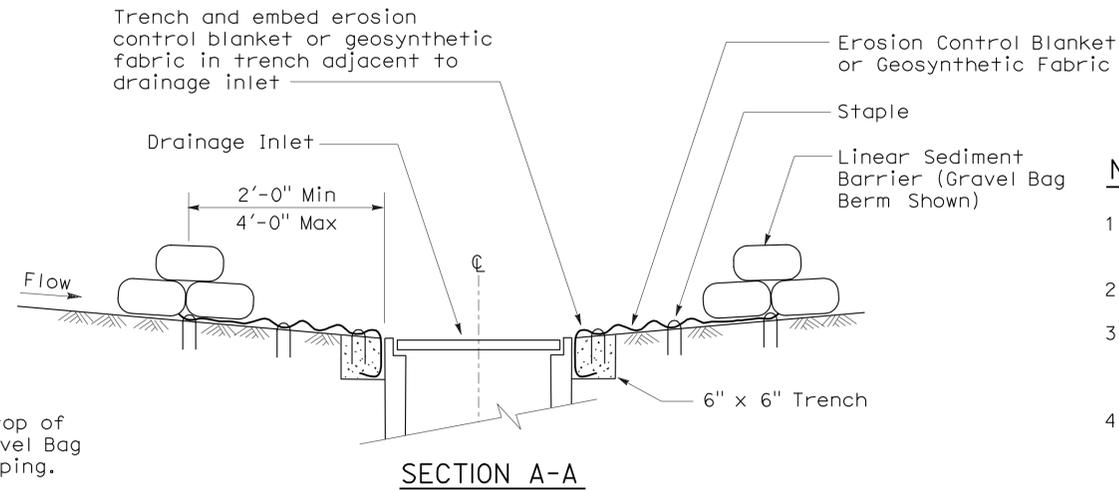
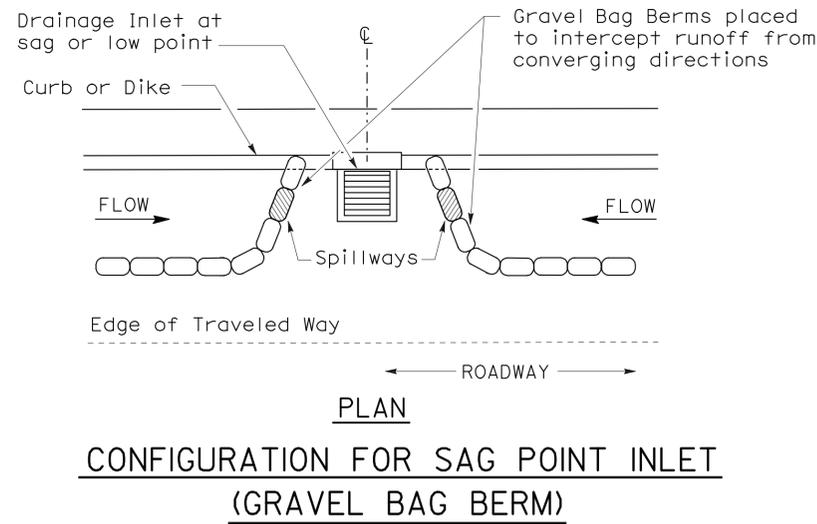
To accompany plans dated 1-31-11

2006 NEW STANDARD PLAN NSP T62

GRAVEL BAG BERM (TYPE 3A) SPACING TABLE

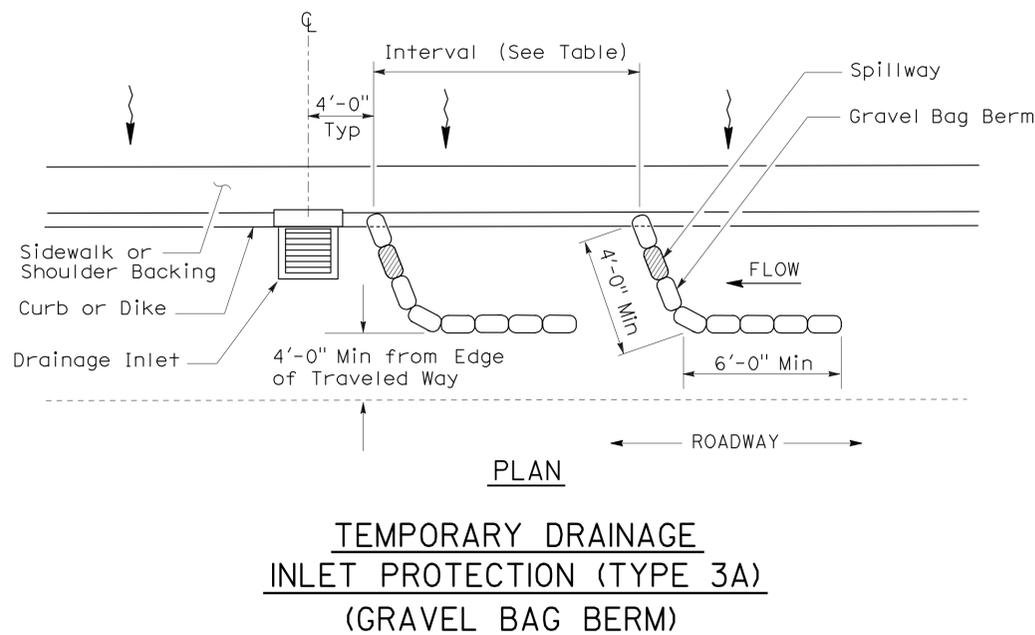
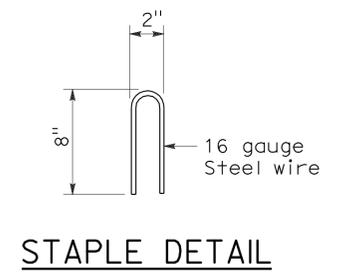
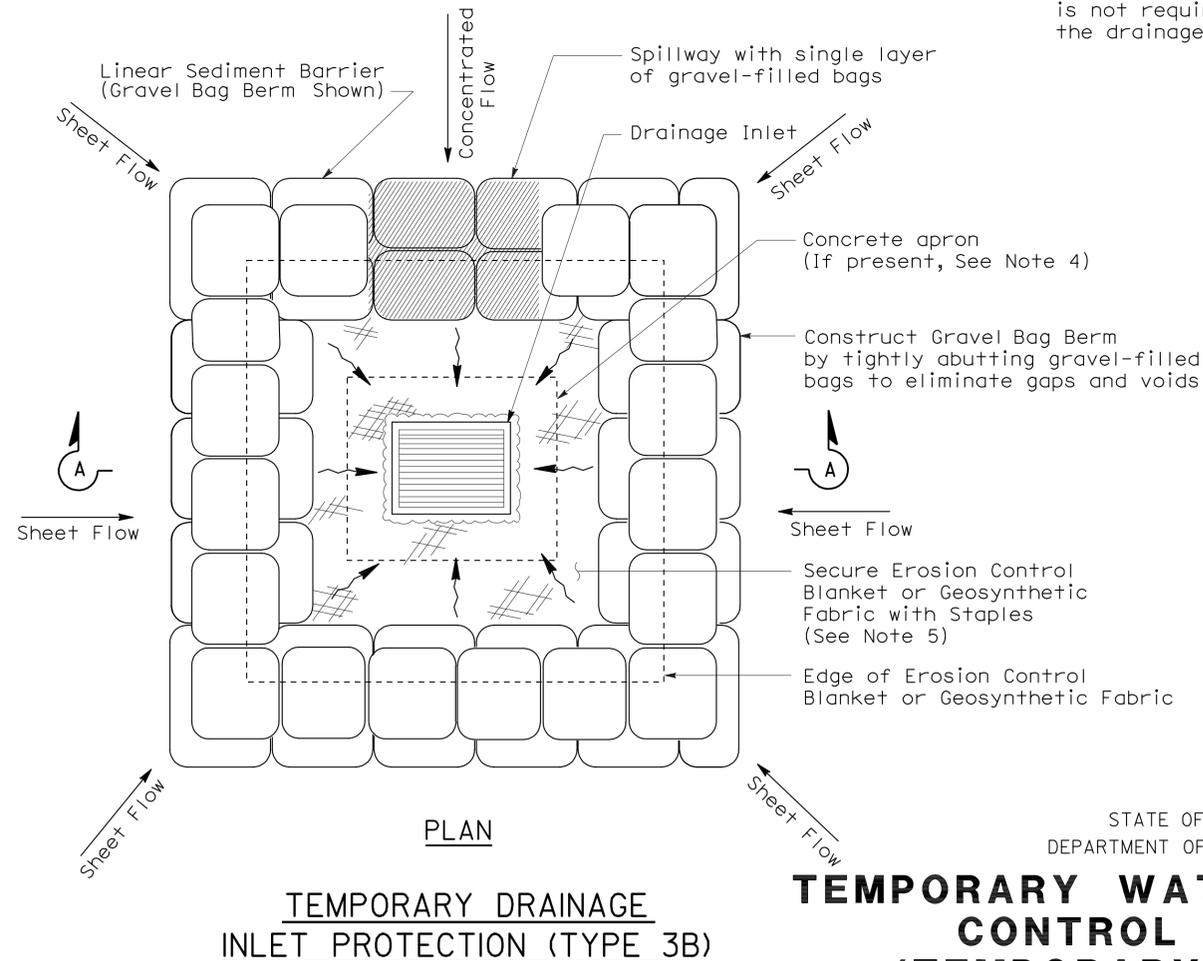
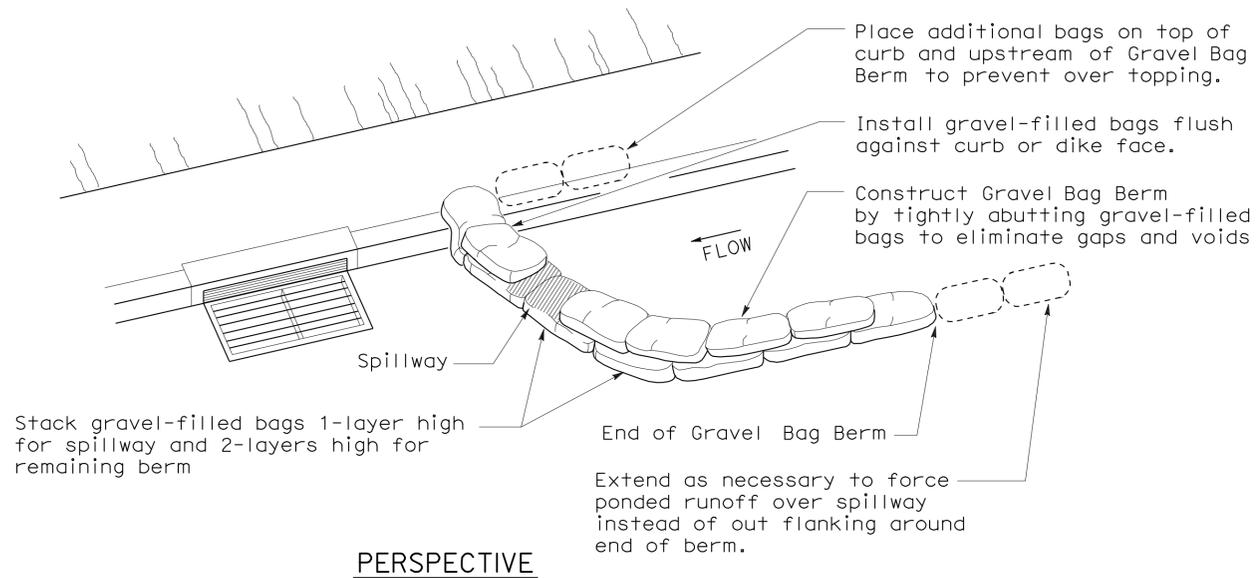
SLOPE OF ROADWAY (PERCENT)	1 to 3.9	4 to 5.9	6 to 7.9	8 to 10	10+
INTERVAL BETWEEN BERM	100'	75'	50'	25'	12'

For slope of less than 1%, install barriers only if erosion/sediment is prevalent



NOTES:

1. Place safety cones adjacent to drainage inlet protection.
2. Dimensions may vary to fit field conditions.
3. Install a minimum of 3 gravel bag berms upstream of each drainage inlet to be protected.
4. Position erosion control blanket or geosynthetic fabric at edge of concrete apron and secure in trench.
5. Erosion control blanket or geosynthetic fabric is not required if the area adjacent to the drainage inlet is vegetated or paved.



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)

NO SCALE
NSP T62 DATED AUGUST 15, 2008 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

FLEXIBLE SEDIMENT BARRIER SPACING TABLE

SLOPE OF ROADWAY (PERCENT)	0 to 0.9	1 to 1.9	2 to 2.9	3 to 4	5+
INTERVAL BETWEEN BARRIERS	50'	35'	30'	25'	20'
ANGLE FROM FACE OF CURB	70°	70°	70°	45°	45°
SUGGESTED BARRIER LENGTH	6'	6'	6'	6'	6'

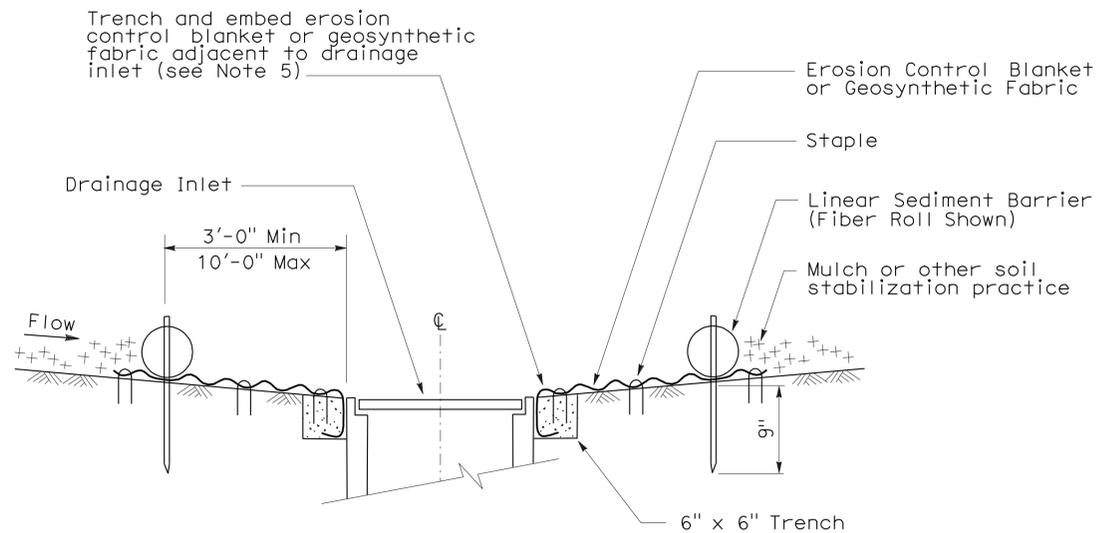
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	18	47

Robert B. Schott
LICENSED LANDSCAPE ARCHITECT

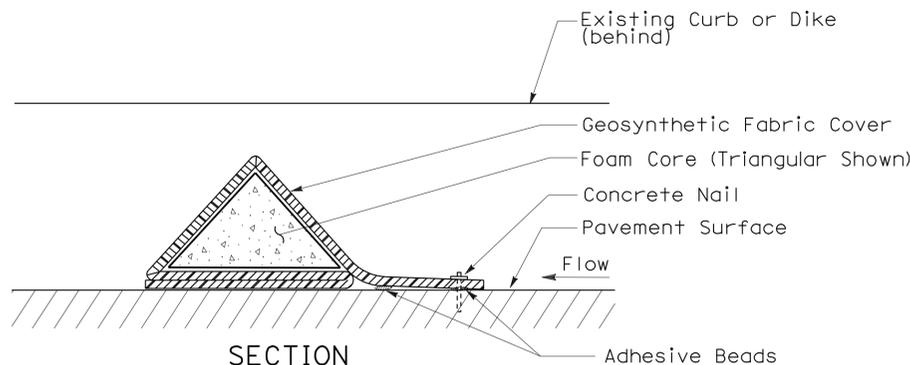
August 15, 2008
PLANS APPROVAL DATE

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To accompany plans dated 1-31-11



SECTION A-A

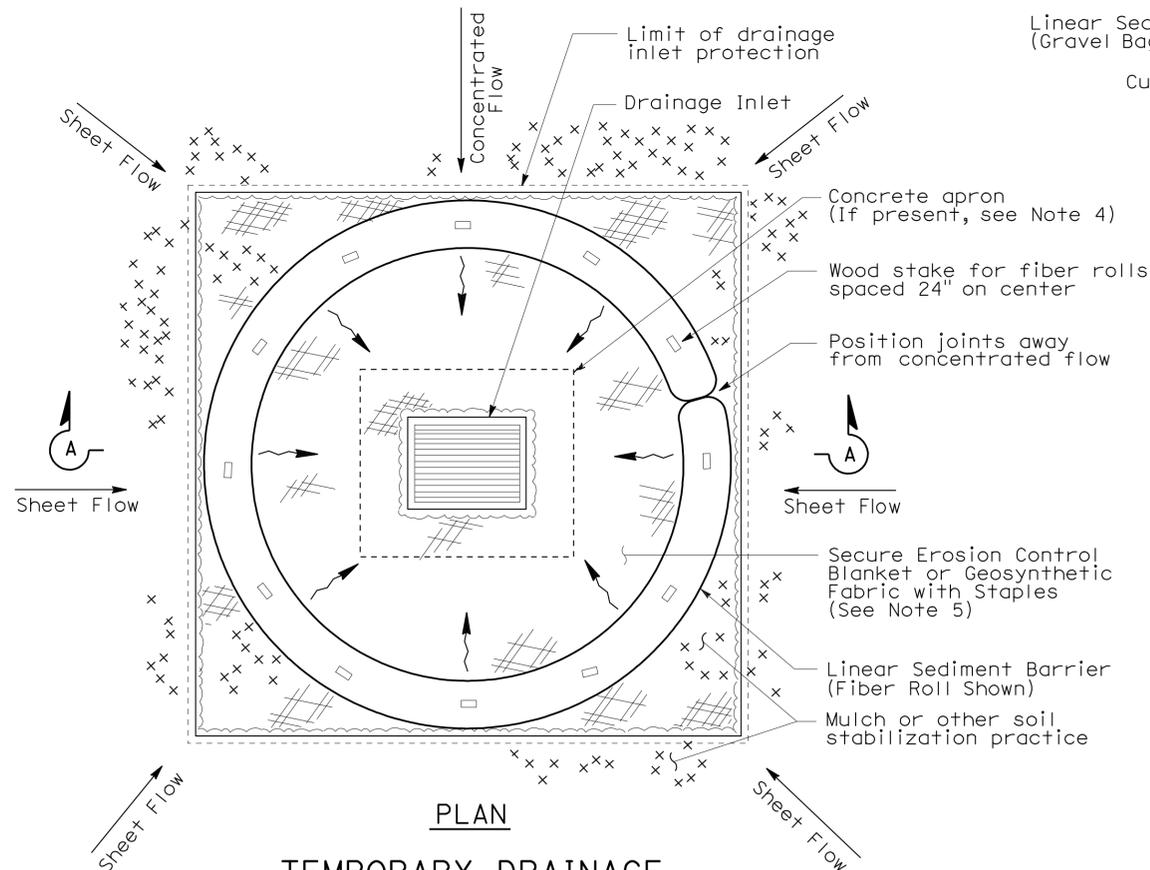


SECTION

FLEXIBLE SEDIMENT BARRIER DETAIL (FOAM BARRIER SHOWN)

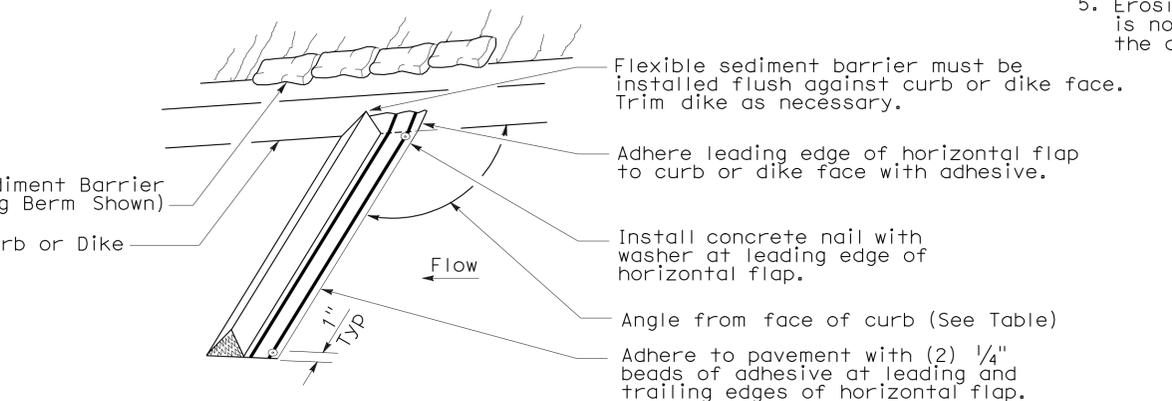
NOTES:

- See Standard Plan T51 for Temporary Silt Fence.
- Dimensions may vary to fit field conditions.
- Install a minimum of 3 flexible sediment barriers upstream of each drainage inlet to be protected.
- Position erosion control blanket or geosynthetic fabric at edge of concrete apron and secure in trench.
- Erosion control blanket or geosynthetic fabric is not required if the area adjacent to the drainage inlet is vegetated.

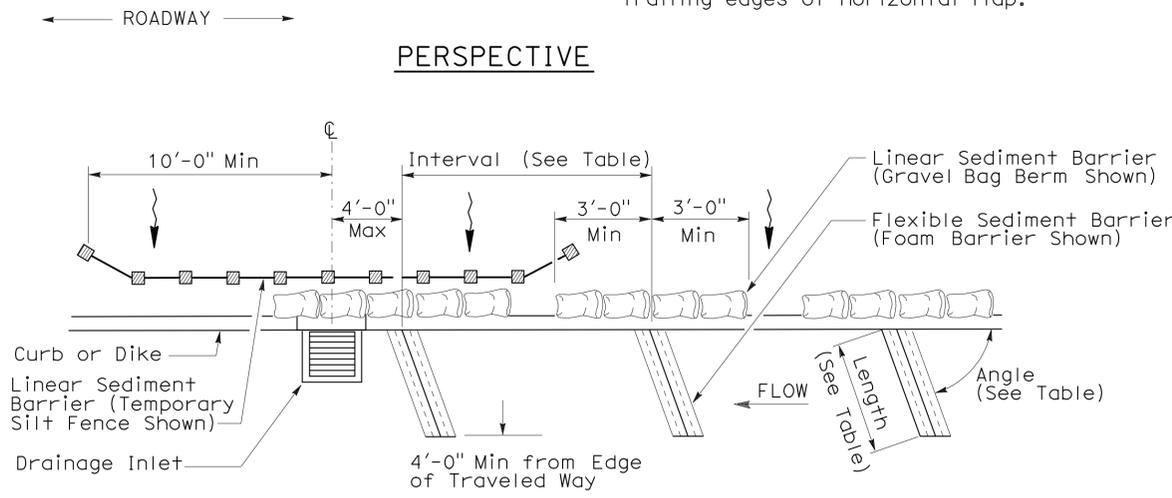


PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 4A)

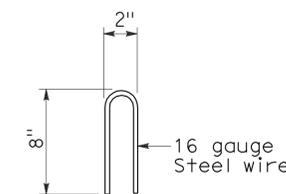


PERSPECTIVE



PLAN

TEMPORARY DRAINAGE INLET PROTECTION (TYPE 4B) FLEXIBLE SEDIMENT BARRIER



STAPLE DETAIL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)

NO SCALE
NSP T63 DATED AUGUST 15, 2008 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	19	47

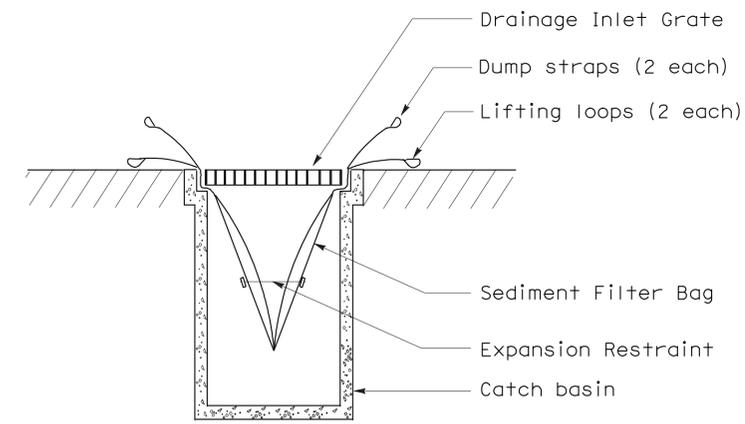
Robert B. Schott
 LICENSED LANDSCAPE ARCHITECT

August 15, 2008
 PLANS APPROVAL DATE

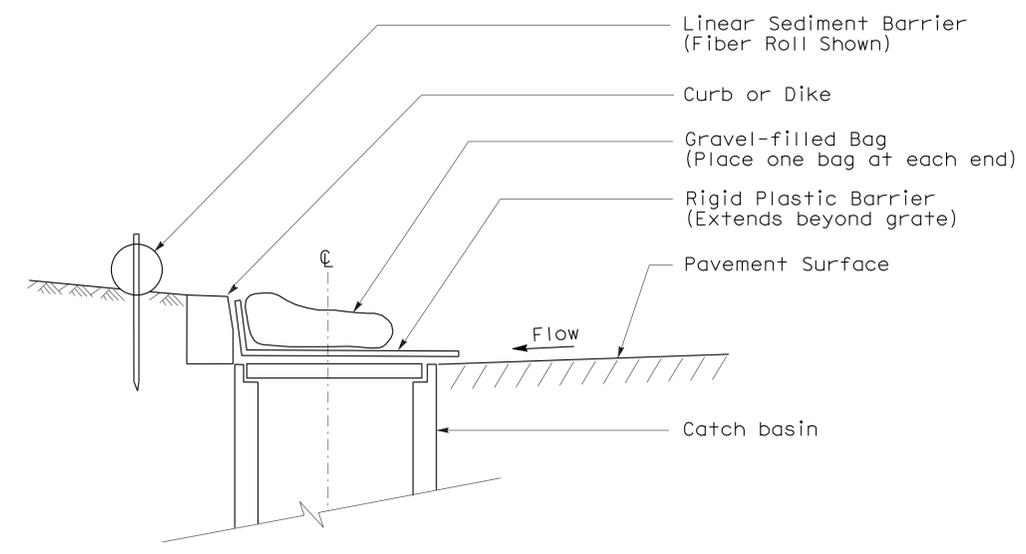
Robert B. Schott
 LICENSED LANDSCAPE ARCHITECT
 Signature
 11-04-08
 Renewal Date
 08-11-08
 Date

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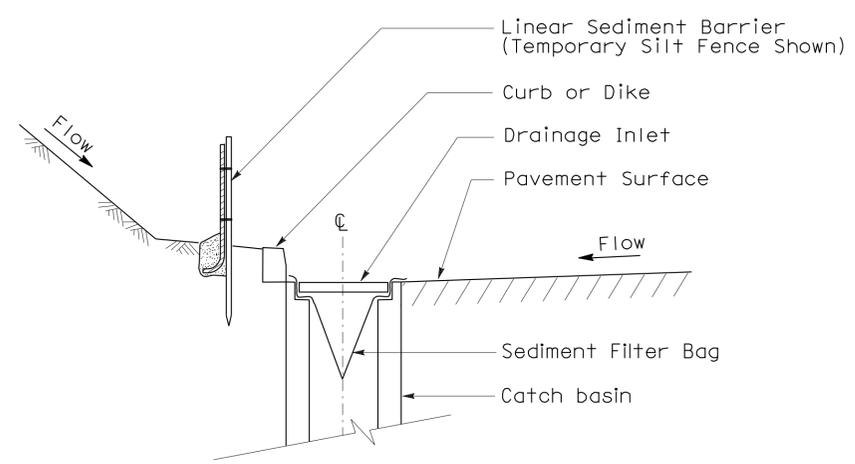
To accompany plans dated 1-31-11



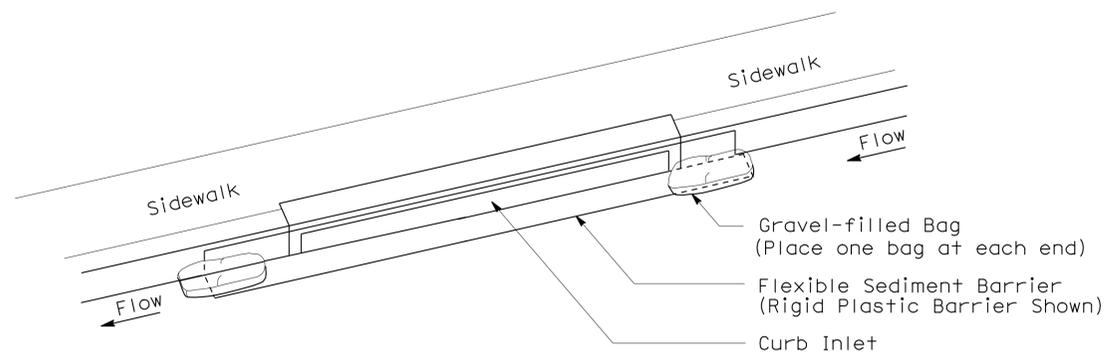
SECTION B-B
SEDIMENT FILTER BAG DETAIL



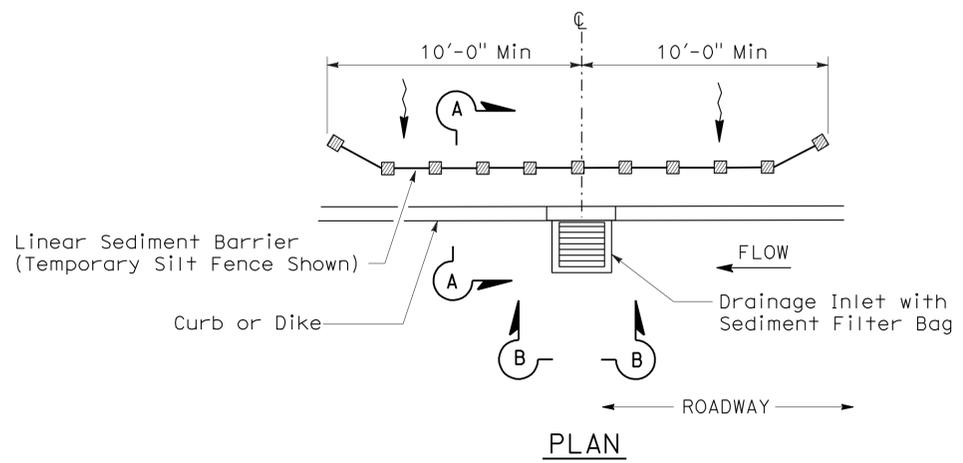
SECTION
TEMPORARY DRAINAGE
INLET PROTECTION (TYPE 6A)
(CATCH BASIN WITH GRATE)



SECTION A-A



PERSPECTIVE
TEMPORARY DRAINAGE
INLET PROTECTION (TYPE 6B)
(CURB INLET WITHOUT GRATE)



PLAN
TEMPORARY DRAINAGE
INLET PROTECTION (TYPE 5)
(SEDIMENT FILTER BAG)

NOTES:

1. See Standard Plan T51 for Temporary Silt Fence.
2. Dimensions may vary to fit field conditions.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY DRAINAGE INLET PROTECTION)

NO SCALE

NSP T64 DATED AUGUST 15, 2008 SUPPLEMENTS THE STANDARD PLANS BOOK DATED MAY 2006.

NEW STANDARD PLAN NSP T64

2006 NEW STANDARD PLAN NSP T64

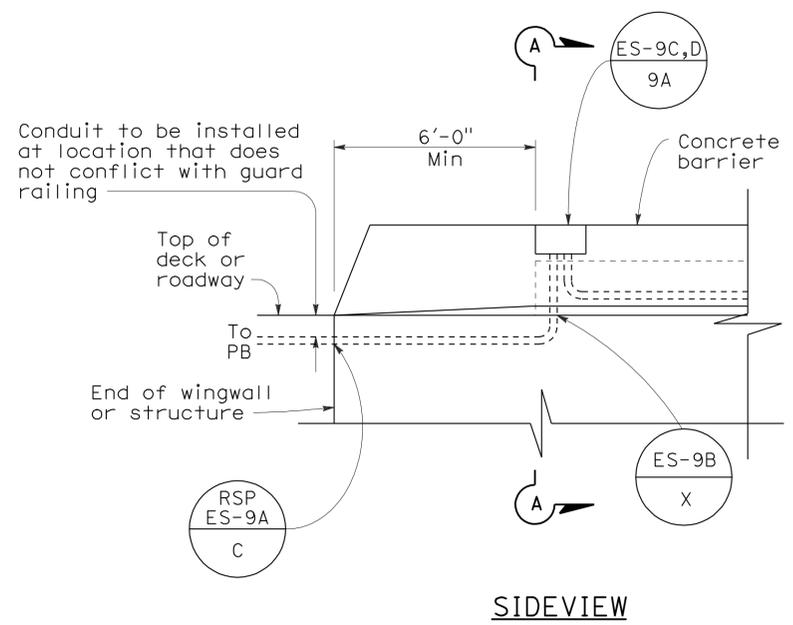
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	20	47

Jeffery G. McRae
 REGISTERED ELECTRICAL ENGINEER
 October 5, 2007
 PLANS APPROVAL DATE
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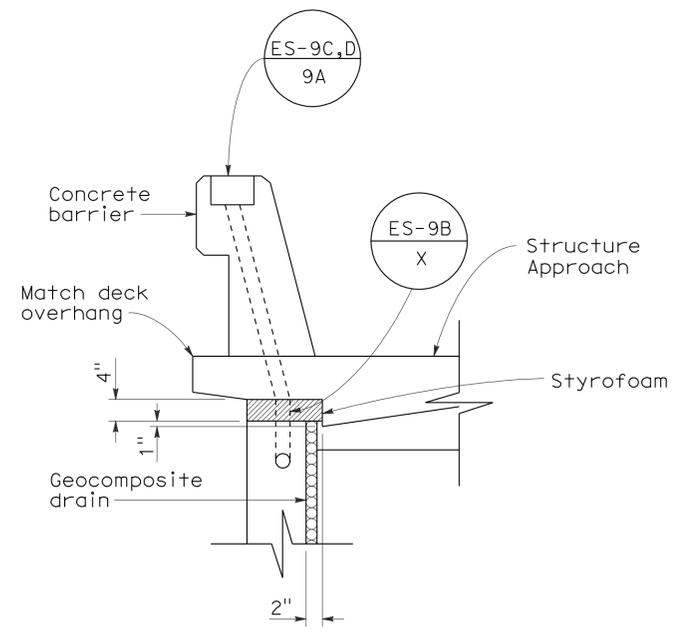
REGISTERED PROFESSIONAL ENGINEER
 Jeffery G. McRae
 No. E14512
 Exp. 6-30-08
 ELECTRICAL
 STATE OF CALIFORNIA

To accompany plans dated 1-31-11

2006 REVISED STANDARD PLAN RSP ES-9A

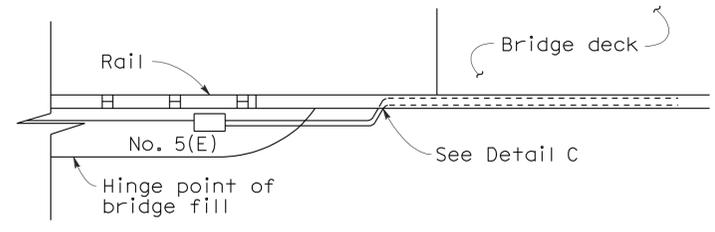


SIDEVIEW

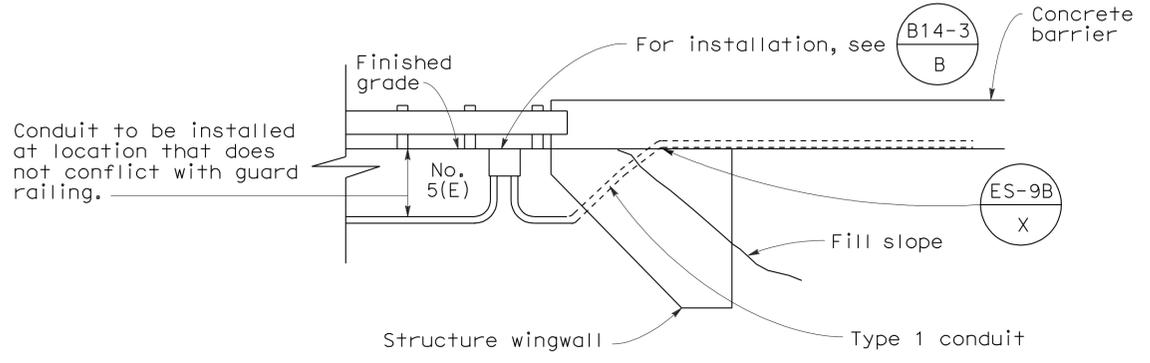


SECTION A-A

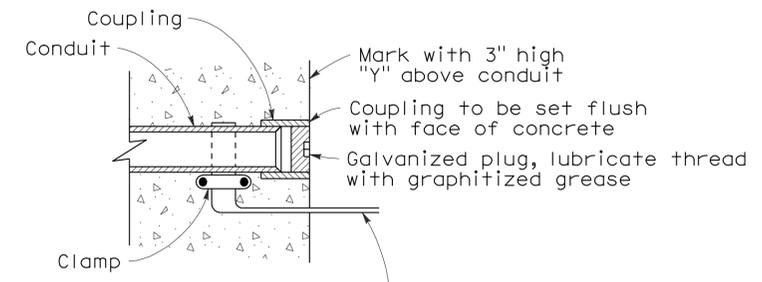
**DETAIL A
CONDUIT TERMINATION**



TOP VIEW



**SIDE VIEW
DETAIL I
CONDUIT TERMINATION**



**DETAIL C
CONDUIT TERMINATION**

Copper bonding strap install only at structure construction joint, extend at least 6" from face of concrete

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (ELECTRICAL DETAILS STRUCTURE INSTALLATIONS)

NO SCALE

RSP ES-9A DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-9A
DATED MAY 1, 2006 - PAGE 454 OF THE STANDARD PLANS BOOK DATED MAY 2006.

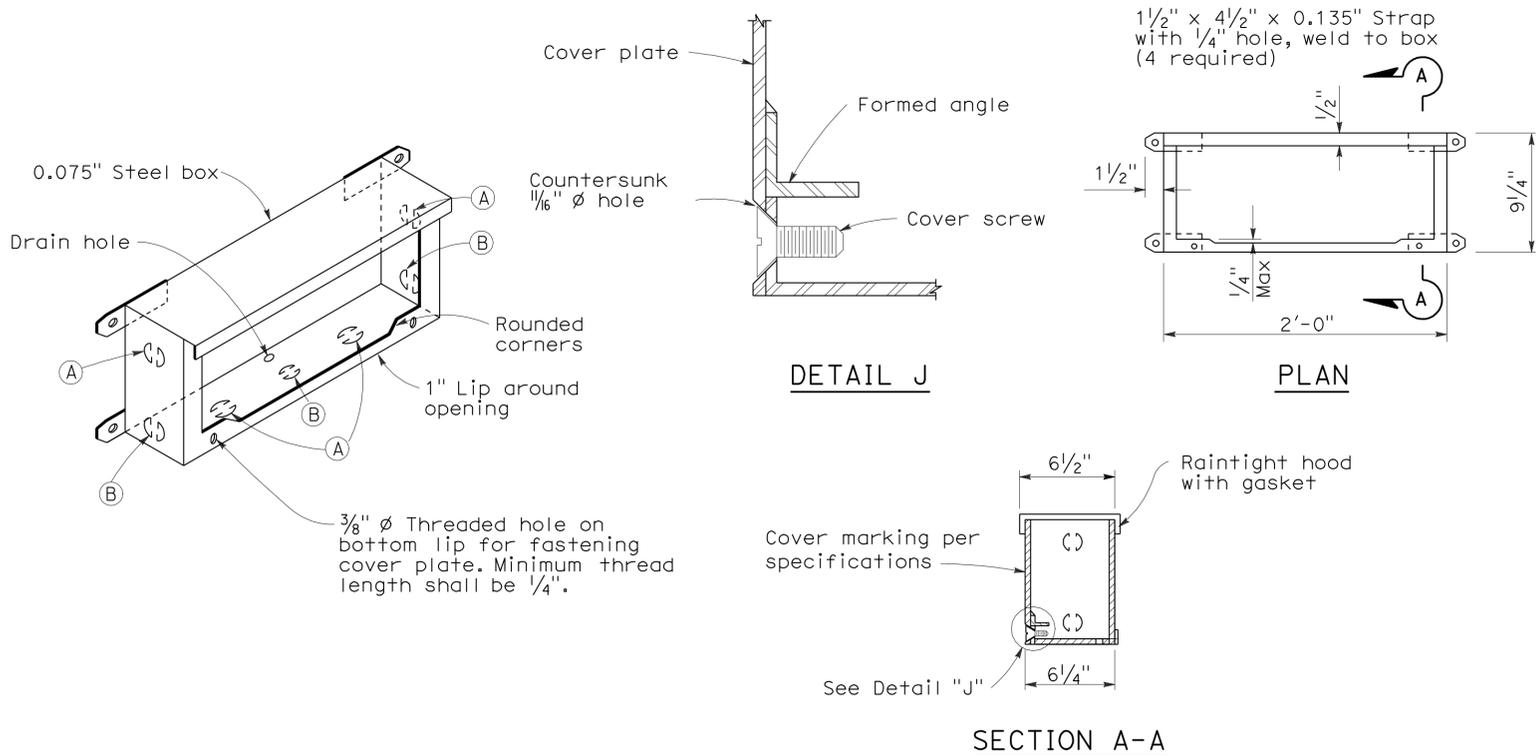
REVISED STANDARD PLAN RSP ES-9A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	21	47

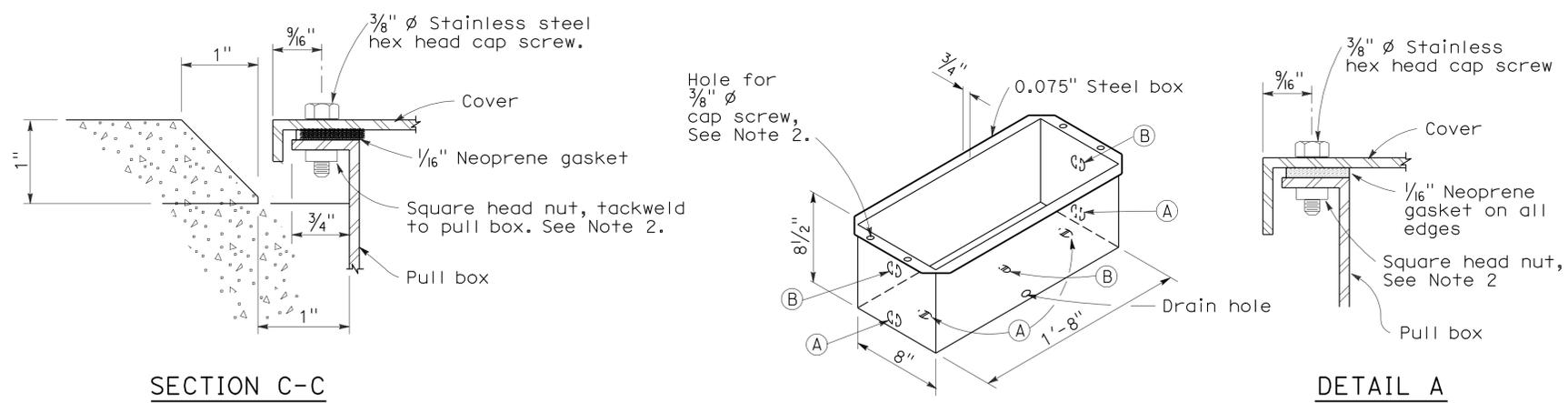
REGISTERED ELECTRICAL ENGINEER
Jeffery G. McRae
 No. E14512
 Exp. 6-30-08
 ELECTRICAL
 STATE OF CALIFORNIA

October 5, 2007
 PLANS APPROVAL DATE

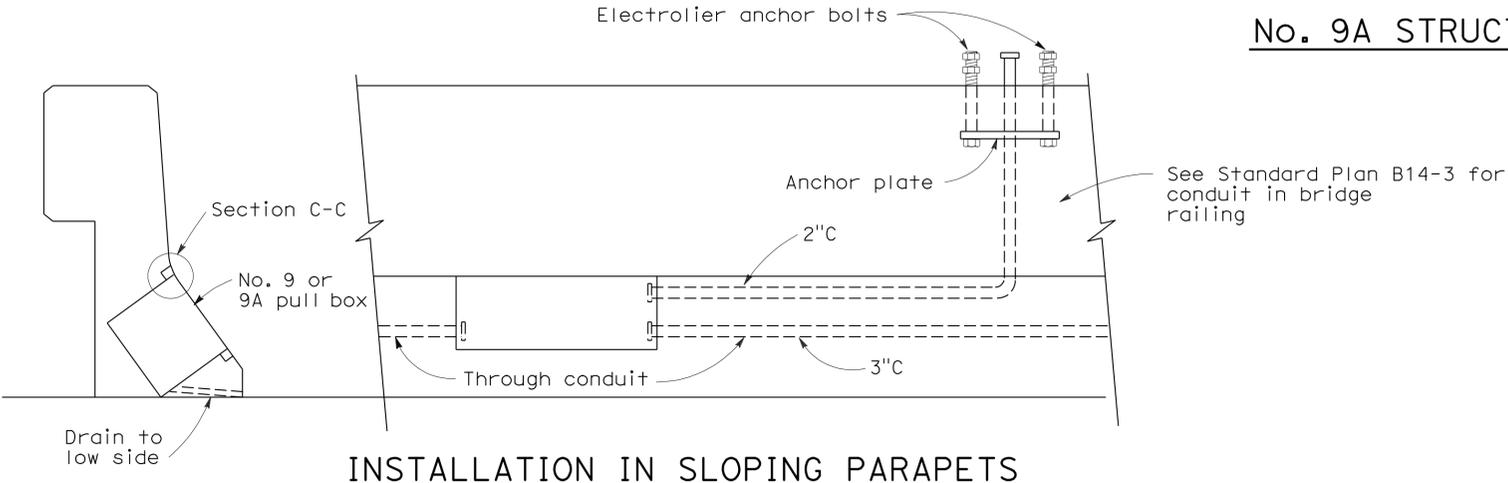
To accompany plans dated 1-31-11



No. 9 STRUCTURE PULL BOX



No. 9A STRUCTURE PULL BOX



INSTALLATION IN SLOPING PARAPETS

For reinforcement in area of electrolier, see railing sheets. For electrolier anchor bolts, see Standard Plan ES-6B.

INSTALLATION NOTE:

Box shall be parallel to top of railing. Close cover box during pouring with 1/4" plywood of sufficient size to provide 1:1 chamfer on 3 sides of cover. Upper edge of plywood shall fit against lower edge of raintight hood.

NOTES: No. 9 and 9A Pull Box

- Corner joints shall be lapped and secured by spot welding or riveting.
- Where cap screws are used to attach cover to box, either of the following methods of providing adequate threading may be used:
 - Tack weld square nut to bottom of flange (Total 4), or
 - Tack weld a 1/4" x 5/8" x 8" bar beneath flange (Total 2).
- Pound knockouts flat after punching.
- Multiple size knockouts shall not be permitted.
- Pull box covers shall be marked as shown on Standard Plan ES-8.

**KNOCKOUT SCHEDULE
No. 9 AND 9A PULL BOX**

- (A) 2"C, 1 each end, 2 on bottom.
- (B) 3"C, 1 each end, 1 on bottom.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**ELECTRICAL SYSTEMS
(ELECTRICAL DETAILS
STRUCTURE INSTALLATIONS)**

NO SCALE
RSP ES-9C DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-9C
DATED MAY 1, 2006 - PAGE 456 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP ES-9C

2006 REVISED STANDARD PLAN RSP ES-9C

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	22	47

Lani Rhoades 04/21/10
 LICENSED ARCHITECT DATE

1-31-11
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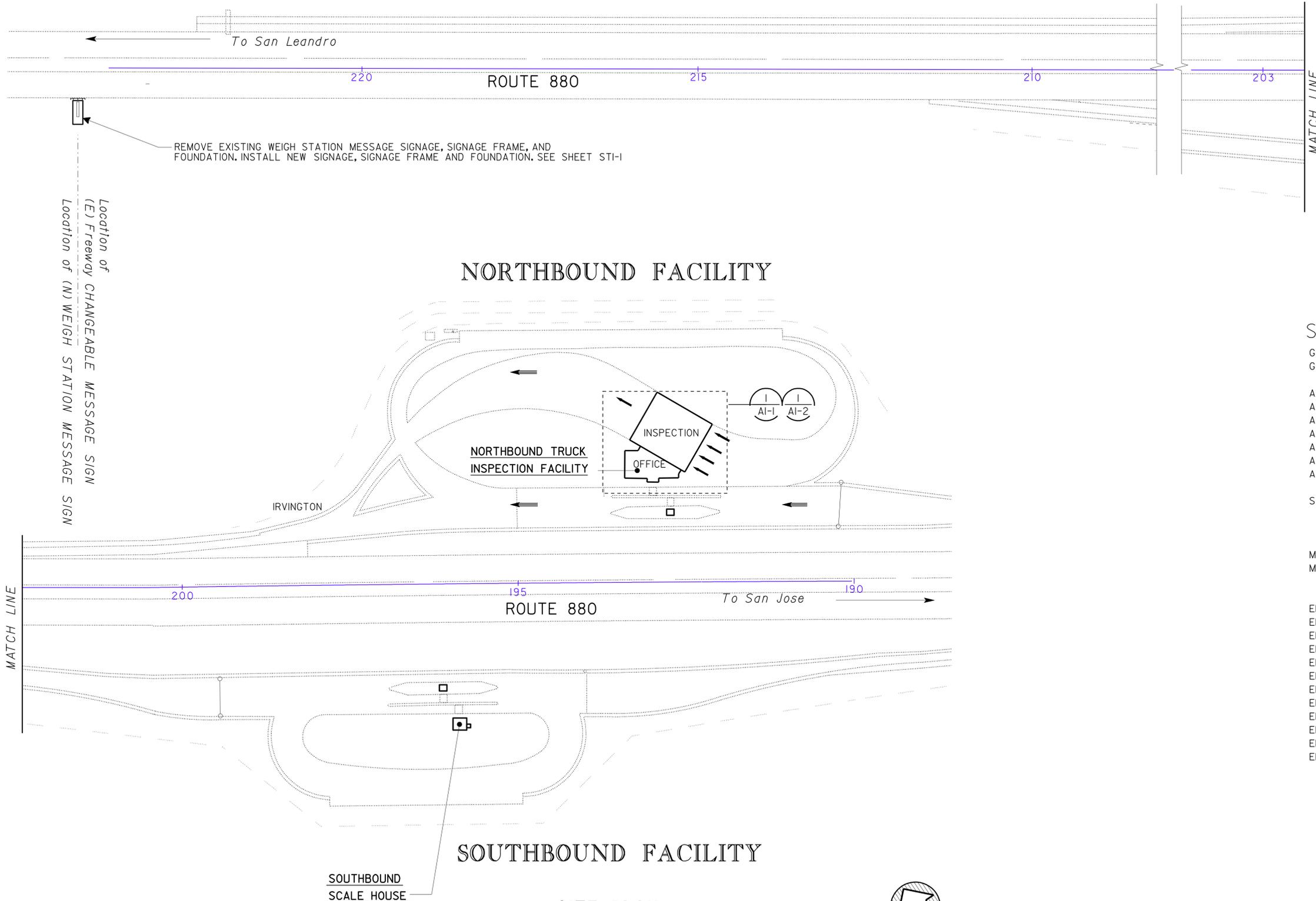
ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
04-3A5501
 DISTRICT - EA
 *EXEMPT
 Reviewed by: *YA WANG*
 Date: 03-08-10

CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: *JOHN E WOODS*
 Approval date: 02-03-10

*PER 2007 CBC
 SEC. 1134B.2.1
 EXCEPTION 4 AND
 ADAAG PARA. 4.1.6.(1).(i)

SHEET INDEX

- GP-1 SITE PLAN
- GP-2 BUILDING DATA
- A0-1 ABBREVIATIONS, NOTES, SYMBOLS
- AI-1 ROOF PLAN DEMOLITION
- AI-2 ROOF PLAN
- A2-1 ROOF PLAN DETAILS
- A2-2 MISCELLANEOUS DETAILS
- A2-3 PARTIAL EXTERIOR ELEVATION AND DETAILS
- A2-4 EXISTING ROOF DETAILS
- STI-1 WEIGH STATION MESSAGE SIGN
- LOG OF TEST BORING 1
- LOG OF TEST BORING 2
- M0-1 SITE PLAN
- MI-1 DRAINAGE MODIFICATION
- EE-0 LEGEND
- EE-1 EXISTING SITE PLAN
- EE-2 MODIFIED SITE PLAN
- EE-3 EXISTING SCALE ROOM AND CONTROL CONSOLE
- EE-4 EXISTING SCALE ROOM AND CONTROL CONSOLE
- EE-5 CMS DETAILS NORTHBOUND AND SOUTHBOUND
- EE-6 LCMS DETAILS NORTHBOUND AND SOUTHBOUND
- EE-7 EXISTING LIGHTING PLAN
- EE-8 MODIFIED LIGHTING PLAN
- EE-9 LIGHTING DETAILS
- EE-10 TITLE 24 COMPLIANCE
- EE-11 TITLE 24 COMPLIANCE



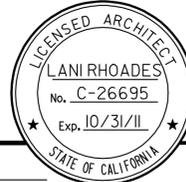
NORTHBOUND FACILITY

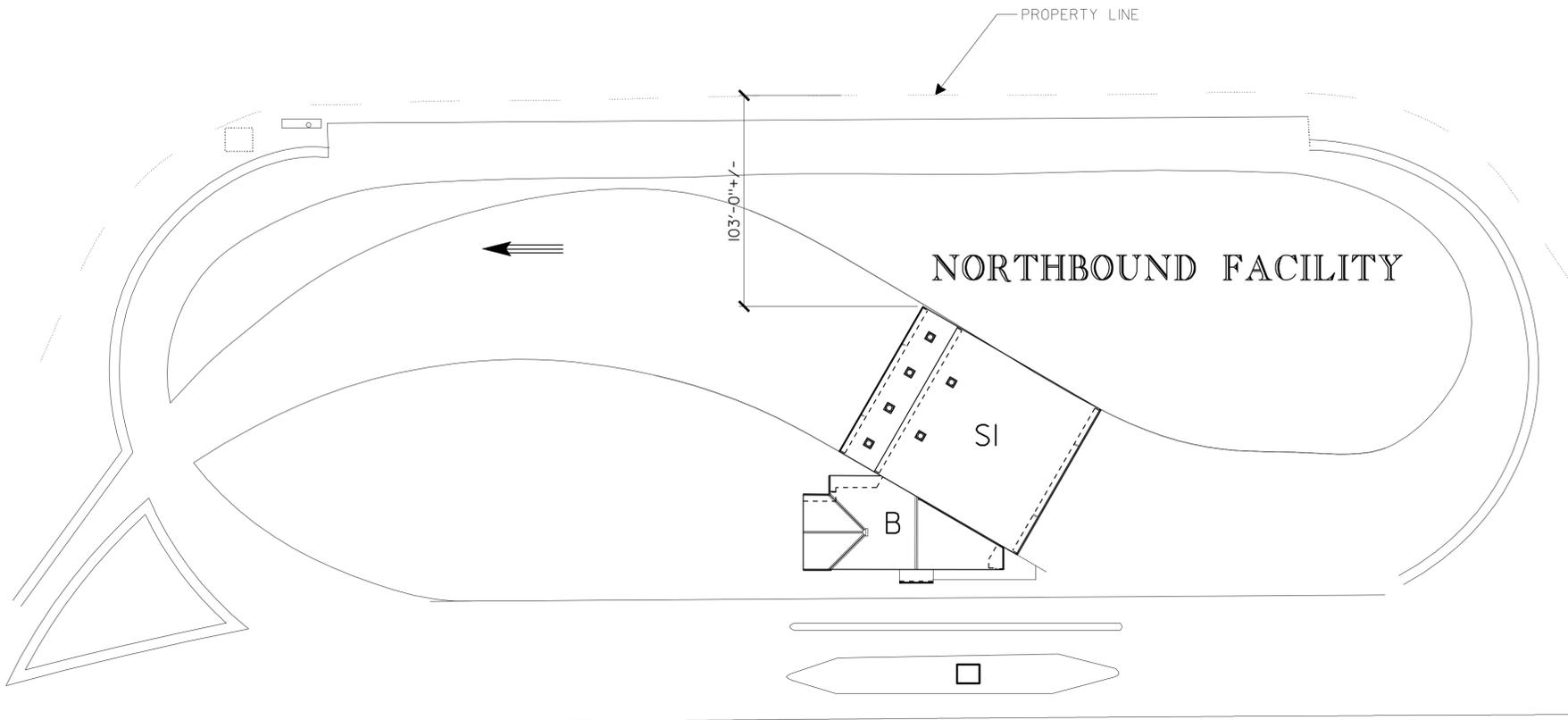
SOUTHBOUND FACILITY

1 SITE PLAN
 SCALE 1" = 80'-0"

GP-1.dgn TAEMWW Imperial Rev. 7/10 01-FEB-2011 07:51	<table border="1"> <tr> <td>DESIGN</td> <td>BY LANI RHOADES</td> <td>CHECKED CECILIA FAUST</td> </tr> <tr> <td>DETAILS</td> <td>BY LANI RHOADES</td> <td>CHECKED CECILIA FAUST</td> </tr> <tr> <td>QUANTITIES</td> <td>BY LANI RHOADES</td> <td>CHECKED CECILIA FAUST</td> </tr> </table>	DESIGN	BY LANI RHOADES	CHECKED CECILIA FAUST	DETAILS	BY LANI RHOADES	CHECKED CECILIA FAUST	QUANTITIES	BY LANI RHOADES	CHECKED CECILIA FAUST	<p>STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION</p>	<p>DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN</p>	<p>BRIDGE NO. 33W0003R 33W0002 POST MILE</p>	<p>NIMITZ TRUCK INSPECTION FACILITY REPAIR</p> <p>SITE PLAN</p>	<p>SHEET GP-1</p>
DESIGN	BY LANI RHOADES	CHECKED CECILIA FAUST													
DETAILS	BY LANI RHOADES	CHECKED CECILIA FAUST													
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<p>ORIGINAL SCALE IN INCHES FOR REDUCED PLANS</p> <p>UNIT PROJECT NUMBER & PHASE 0702 04000009501</p>	<p>DISREGARD PRINTS BEARING EARLIER REVISION DATES</p>	<p>REVISION DATES (PRELIMINARY STAGE ONLY)</p>	<p>SHEET OF X X</p>												

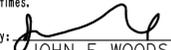
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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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			04/21/10		
LICENSED ARCHITECT			DATE		
1-31-11					
PLANS APPROVAL DATE					
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CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by:  JOHN E. WOODS
Approval date: 02-03-10

- LIST OF 2007 CALIFORNIA CODE OF REGULATION (CCR)**
- 2007 BUILDING STANDARD ADMINISTRATIVE CODE : PART 1, TITLE 24 CCR
 - 2007 CALIFORNIA BUILDING CODE (CBC) ,PART 2 , TITLE 24 CCR
 - 2007 CALIFORNIA ELECTRICAL CODE (CEC) ,PART 3,TITLE 24 CCR
 - 2007 CALIFORNIA MECHANICAL CODE (CMC) , PART 4 , TITLE 24 CCR
 - 2007 CALIFORNIA PLUMBING CODE (CPC),PART 5 , TITLE 24 CCR
 - 2007 CALIFORNIA FIRE CODE (CFC) , PART 9 , TITLE 24 , CCR
 - 2007 CALIFORNIA REFERENCED STANDARDS CODE , PART 12 , TITLE 24 , CCR
 - TITLE 19, CCR , PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
 - CURRENT EDITION OF AMERICANS WITH DISABILITIES ACT
 - 2007 CALIFORNIA ENERGY CODE, PART 6, TITLE 24, CCR

1 PARTIAL SITE PLAN

SCALE 1" = 40'-0"



BUILDING DATA					
THE BUILDING WORK ON THIS PROJECT HAS BEEN DESIGNED TO CONFORM TO THE 2007 TITLE 24 CALIFORNIA BUILDING STANDARDS CODE.					
BUILDING NAME	BUILDING AREA	ALLOWABLE AREA	AREA INCREASE FOR FRONTAGE	CONSTRUCTION TYPE	OCCUPANCY GROUP
NORTHBOUND FACILITY	10,943 SQ FT	9000 SQ FT (PER CBC SECT 503.1,2 TABLE 503)	15,750 SQ FT (75% INCREASE PER CBC SECT 506.2) (AREA COMPLIES)	V-B	S-I & B NONSEPARATED OCCUPANCY
BUILDING INFORMATION					
NUMBER OF STORIES: 1 OCCUPANT LOAD: 96 BUILDING HEIGHT: 33'-0" +/- AT ROOF HIGH POINT FIRE SPRINKLER SYSTEM: NO FIRE ALARM SYSTEM: NO OTHER FIRE PROTECTION: NONE SMOKE CONTROL SYSTEM: NONE ALLOWABLE HEIGHT: 40'-0"					

01-FEB-2011 07:52

ARCHITECTURAL ABBREVIATIONS

&	AND	EPB	ELECTRICAL PANELBOARD	M	METER	S	SOUTH
L	ANGLE	EQUIP	EQUIPMENT	MAT	MATERIAL	SC	SOLID CORE
⊕	CENTER LINE	ESCL	ESCALATOR	MAX	MAXIMUM	SCHED	SCHEDULE
⊙	DIAMETER	EWC	ELECTRIC WATER COOLER	MB	MACHINE BOLT	SD	SOAP DISPENSER
□	OR ROUND	EXP	EXPANSION	MBR	MEMBER	SM	SQUARE METERS
□	SQUARE	EXPO	EXPOSED, EXPOSURE	MECH	MECHANICAL	ST	SELF TAPPING
d	PENNY	EXT	EXTERIOR	MEMB	MEMBRANE	SF	SQUARE FEET
25°	DEGREE	EVAC	EVACUATION	MET	METAL	SH	SELF
AFF	ABOVE FINISH FLOOR			MFR	MANUFACTURER	SHWR	SHOWER
APL	ASSUMED PROPERTY LINE			MH	MAN HOLE	SHT	SHEET
A/C	AIR CONDITIONING	FD	FLOOR DRAIN	MIN	MINIMUM	SHTG	SHEATHING
AC	ASPHALT CONCRETE	FDN	FOUNDATION	MIR	MIRROR	SIM	SIMILAR
AB	ANCHOR BOLT	F	FIRE EXTINGUISHER	MISC	MISCELLANEOUS	SMS	SHEET METAL SCREW
ABV	ABOVE	FEC	FIRE EXTINGUISHER CABINET	MIW	MALLEABLE IRON	SOHD	SECTIONAL OVERHEAD DOOR
ACOUS	ACOUSTICAL					SNR	SANITARY NAPKIN RECEPTACLE
ADJ	ADJUSTABLE	FG	FINISH GRADE			SPEC	SPECIFICATION
ALT	ALTERNATE	FH	FIRE HYDRANT	MM	MILLIMETER	SPS	STRUCTURAL PLYWOOD
ALUM	ALUMINUM	FHC	FIRE HOSE CABINET	MO	MASONRY OPENING	SHT	SHEATHING
APA	AMERICAN PLYWOOD ASSOCIATION	FHMS	FLATHEAD METAL SCREW	MTD	MOUNTED	SQ	SQUARE
APPROX	APPROXIMATE	FHWS	FLATHEAD WOOD SCREW	MUL	MULLION	SQ	SAFETY ROADSIDE
ARCH	ARCHITECTURAL, ARCHITECT	FIN	FINISH			SRRA	REST AREA
ASPH	ASPHALT	FJ	FLOOR JOIST	N	NORTH	SS	SERVICE SINK
		FLASH	FLASHING			SST	STAINLESS STEEL
		FLR	FLOOR			STA	STATION
		FLUOR	FLUORESCENT			STAG	STAGGER
		FOC	FACE OF CONCRETE	NIC	NOT IN CONTRACT	STD	STANDARD
		FOP	FACE OF PLYWOOD	NO	NUMBER	STL	STEEL
		FOM	FACE OF MASONRY	NOM	NOMINAL	STOR	STORAGE
		FOS	FACE OF STUD	NTS	NOT TO SCALE	STRUC	STRUCTURAL
		FRP	FIBERGLASS REINFORCED POLYESTER			SUSP	SUSPENDED
				OBSC	OBSCURE	SCW	SOLID CORE WOOD DOOR
		FT	FEET, FOOT	OC	ON CENTER		
		FTG	FOOTING	OD	OUTSIDE DIAMETER		
		FURR	FURRING	OFF	OFFICE	T	TREAD
		FWY	FREEWAY	OH	OPPOSITE HAND	T&G	TONGUE & GROOVE
				OHV	OVERHEAD	TB	TOLL BOOTH
				OHWS	OVALHEAD WOOD SCREW	TEL	TELEPHONE
		GA	GAUGE			TEMP	TEMPORARY
		GAL	GALLON	OPNG	OPENING	TER	TERRAZZO
		GALV	GALVANIZED	OPP	OPPOSITE	THK	THICK
		GB	GRAB BAR	OPT	OPTION, OPTIONAL	THLD	THRESHOLD
		GI	GALVANIZED IRON			TJ	TOOLED JOINT
		GL	GLASS	P	PITCH	TKBD	TACKBOARD
		GLM	GLUE LAMINATED MEMBER	PB	POST BASE	TN	TOE NAIL
				PC	POST CAP	TOC	TOP OF CURB OR CONCRETE
		GLZ	GLAZING	PCC	PORTLAND CEMENT CONCRETE		
		GR	GRADE	PCD	PAPER CUP DISPENSER	TOP	TOP OF PAVEMENT
		GSM	GALVANIZED SHEET METAL	PT	POINT	TOS	TOE OF SLOPE
				PRTN	PARTITION	TOT	TOTAL
		GYBD	GYP BOARD	PR	PAIR	TOW	TOP OF WALL
		GYP SHTG	GYP SHEATHING	PMF	PRESSED METAL FRAME	TS	TUBULAR STEEL
				PLWD	PLYWOOD	TSCD	TOILET SEAT COVER DISPENSER
		HB	HOSE BIBB	PLAS	PLASTER	TTD	TOILET TISSUE DISPENSER
		HC	HOLLOW CORE	PLAM	PLASTIC LAMINATE	TYP	TYPICAL
		HD	HEAD, HOLD DOWN	PL	PLATE		
		HDR	HEADER	PH	PHILLIPS HEAD		
		HDWD	HARDWOOD	PSD	POWDER SOAP DISPENSER	UNF	UNFINISHED
		HDWR	HARDWARE	PVC	POLYVINYL CHLORIDE	UON	UNLESS OTHERWISE NOTED
		HEX	HEXAGONAL	PWB	PREFABRICATED WOOD I BEAM	UR	URINAL
		HF	HEMLOCK-FIR			VAR	VARIES
		HG	HALF GLASS	PREFAB	PREFABRICATED	VCT	VINYL COMPOSITION TILE
		HGR	HANGER			VERT	VERTICAL
		HM	HOLLOW METAL			VEST	VESTIBULE
		HORIZ	HORIZONTAL			VR	VENT RISER
		HP	HIGH POINT			VTR	VENT THROUGH ROOF
		HR	HOUR	QT	QUARRY TILE	V.B.	VENETIAN BLIND
		HSB	HIGH STRENGTH BOLT			W	WEST
		HT	HEIGHT	(R)	RELOCATED	W/	WITH
		HVAC	HEATING, VENTILATING, AIR CONDITIONING	R	RADIUS, RISER	W/O	WITHOUT
				R/W	RIGHT OF WAY	WB	WATER BOTTLE
		HWY	HIGHWAY	RD	ROOF DRAIN	WC	WATER CLOSET
		HL	COMBINATION LIGHT & HEAT UNIT	RDWD	REDWOOD	WD	WOOD
				REF	REFERENCE	WDW	WINDOW
		ID	INSIDE DIAMETER	REFG	REFRIGERATOR	WH	WATER HEATER
		IN	INCH	REINF	REINFORCED(ING)	WP	WORKING POINT
		INSUL	INSULATION	REQ	REQUIRED	WR	WATER RESISTANT
		INT	INTERIOR	RFG	ROOFING	WSC	WAINSCOT
				RFSWN	ROUGHSAWN	WT	WEIGHT
		JAN	JANITOR	RH	ROUND HEAD	WTPR	WATERPROOFING
		JB	JUNCTION BOX	RHWS	ROUND HEAD WOOD SCREW	WWF	WELDED WIRE FABRIC
		JH	JOIST HANGER	RJ	ROOF JOIST	WW	WINDOW WALL
		JST	JOIST	RM	ROOM		
		JT	JOINT	RO	ROUGH OPENING		
				RSWN	RESAWN		
		KIT	KITCHEN	RTE	ROUTE		
				RWL	RAINWATER LEADER		
		LAB	LABORATORY				
		LAV	LAVATORY				
		LBS	POUNDS				
		LF	LINEAR FEET				
		LKR	LOCKER				
		LPG	LIQUIFIED PETROLEUM GAS				
		LS	LAG SCREW				

SYMBOLS

	EARTH
	AC PAVING
	PARTITION
	CONCRETE
	CONCRETE MASONRY UNITS
	STEEL
	SAND/MORTAR/PLASTER
	BATT INSULATION
	RIGID INSULATION
	EXPANSION JOINT FILLER
	PLYWOOD
	GYP BOARD
	CONTINUOUS WOOD FRAMING
	WOOD BLOCKING
	FINISH WOOD
	ROOM DESIGNATION
	DOOR DESIGNATION
	WINDOW DESIGNATION
	LOUVER DESIGNATION
	WORKING POINT
	ELEVATION IDENTIFICATION SHEET NUMBER
	SECTION LETTER SHEET NUMBER
	DETAIL NUMBER SHEET NUMBER
	DETAIL NUMBER SAME SHEET
	GRID LINE (LETTER IN ONE DIRECTION, NUMBERS IN OTHER DIRECTION)

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	24	47
			04/21/10		
LICENSED ARCHITECT			DATE		
1-31-11					
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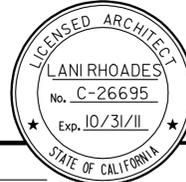
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Reviewed by:

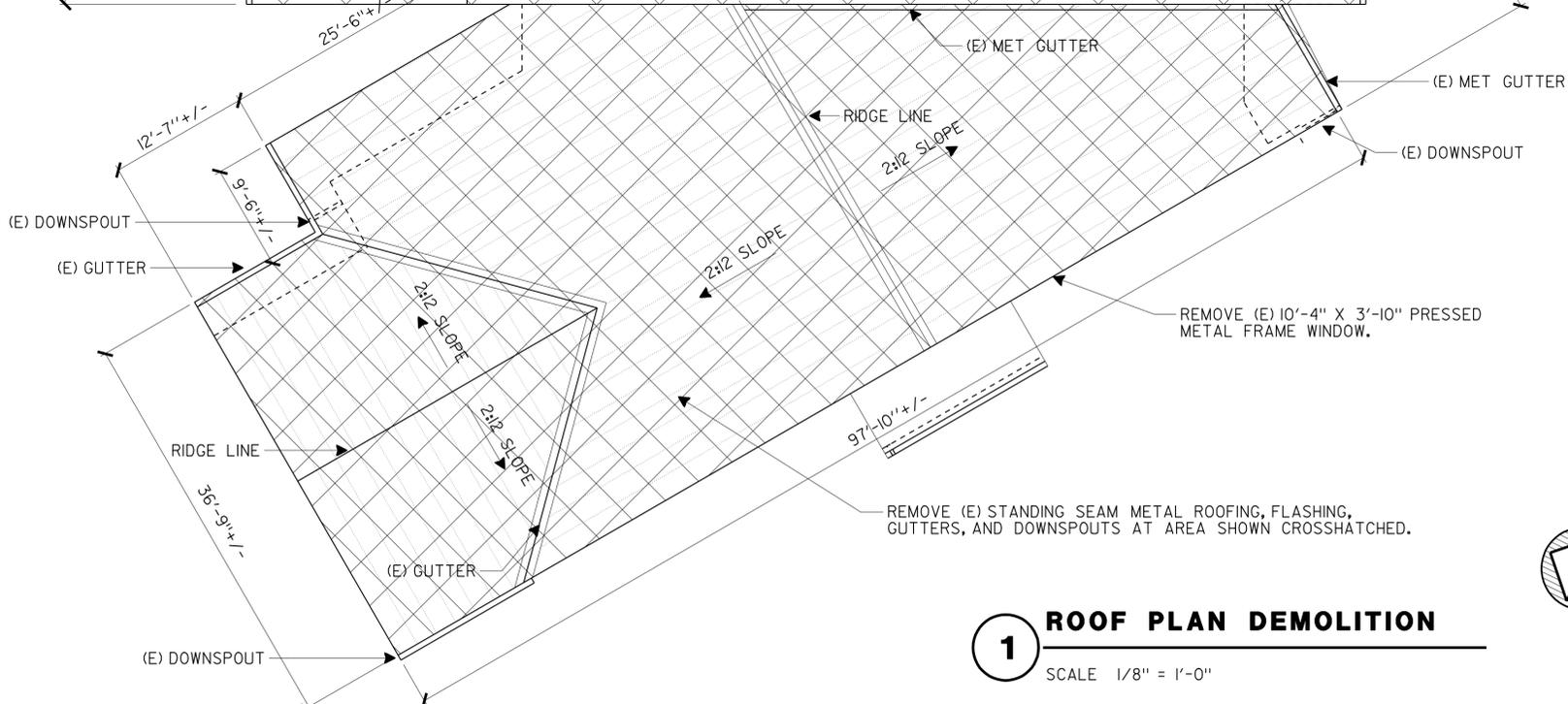
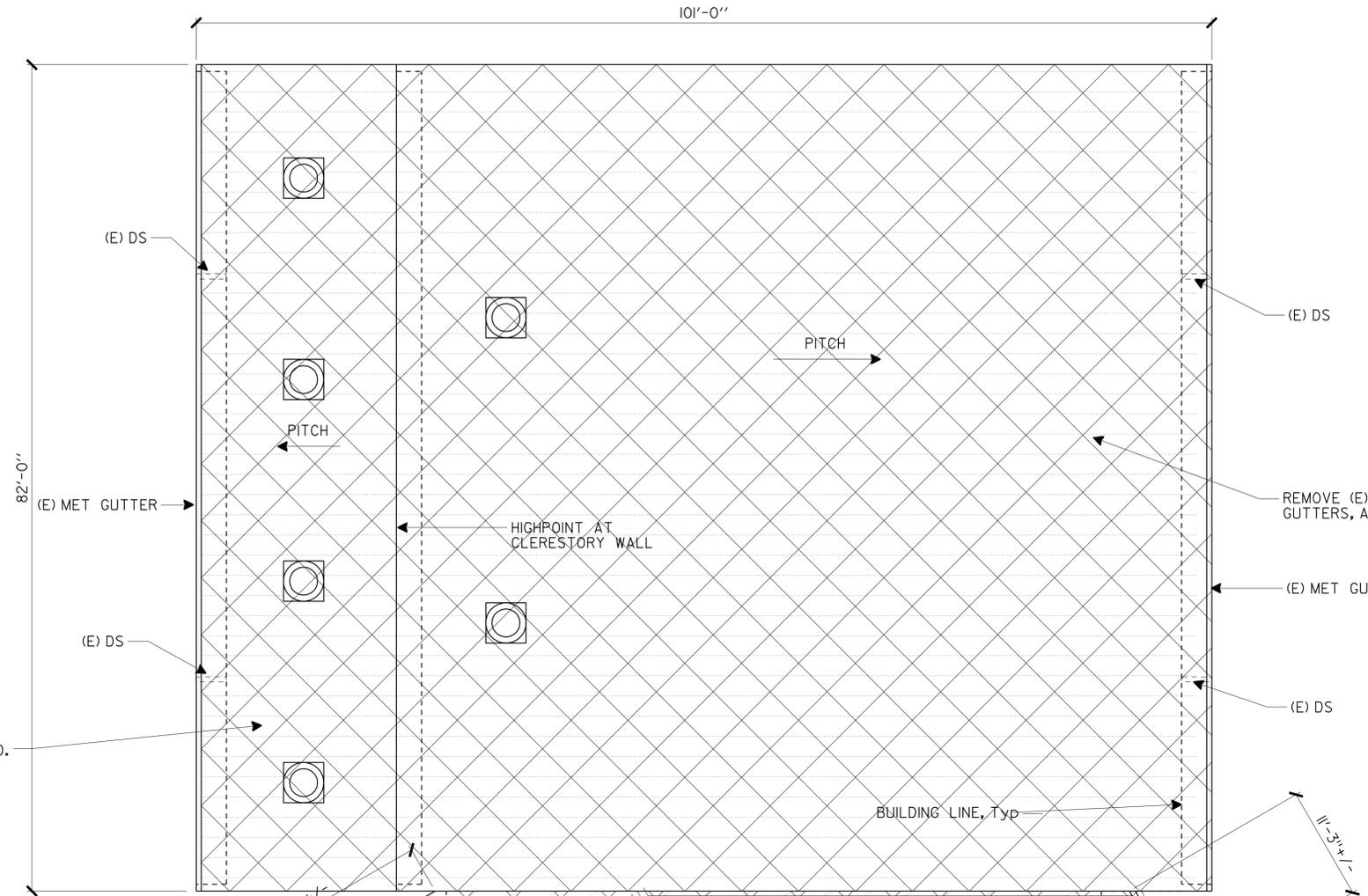
JOHN E. WOODS

Approval date: 02-03-10

DESIGN	BY LANI RHOADES	CHECKED CECILIA FAUST	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 33W0003R	NIMITZ TRUCK INSPECTION FACILITY REPAIR	SHEET OF	
DETAILS	BY LANI RHOADES	CHECKED CECILIA FAUST			POST MILE		ABBREVIATIONS, NOTES, SYMBOLS	A0-1
QUANTITIES	BY LANI RHOADES	CHECKED CECILIA FAUST			UNIT PROJECT NUMBER & PHASE 0702 04000009501		DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)
q0-1.dgn		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		EA 3A5501		01-FEB-2011 07:52		

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1 ROOF PLAN DEMOLITION
 SCALE 1/8" = 1'-0"



g1-1.dgn TAEWW Imperial Rev. 7/10 01-FEB-2011 07:52	DESIGN BY LANI RHOADES	CHECKED CECILIA FAUST	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 33W0003R	NIMITZ TRUCK INSPECTION FACILITY REPAIR	SHEET OF
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			0 1 2 3	EA 3A5501		- 01 XX-XX-XX	X X

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<i>Lani Rhoades</i>		04/21/10
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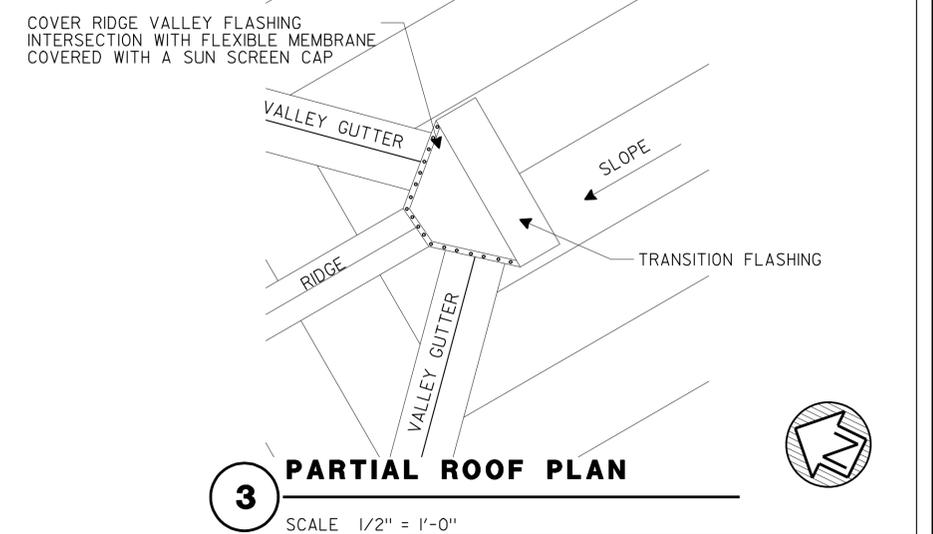
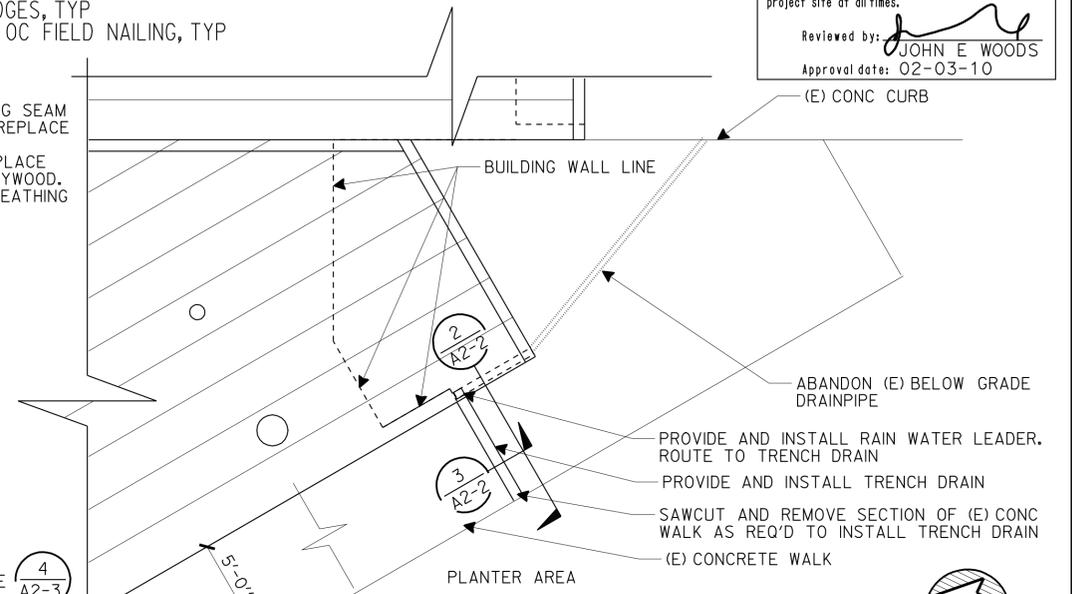
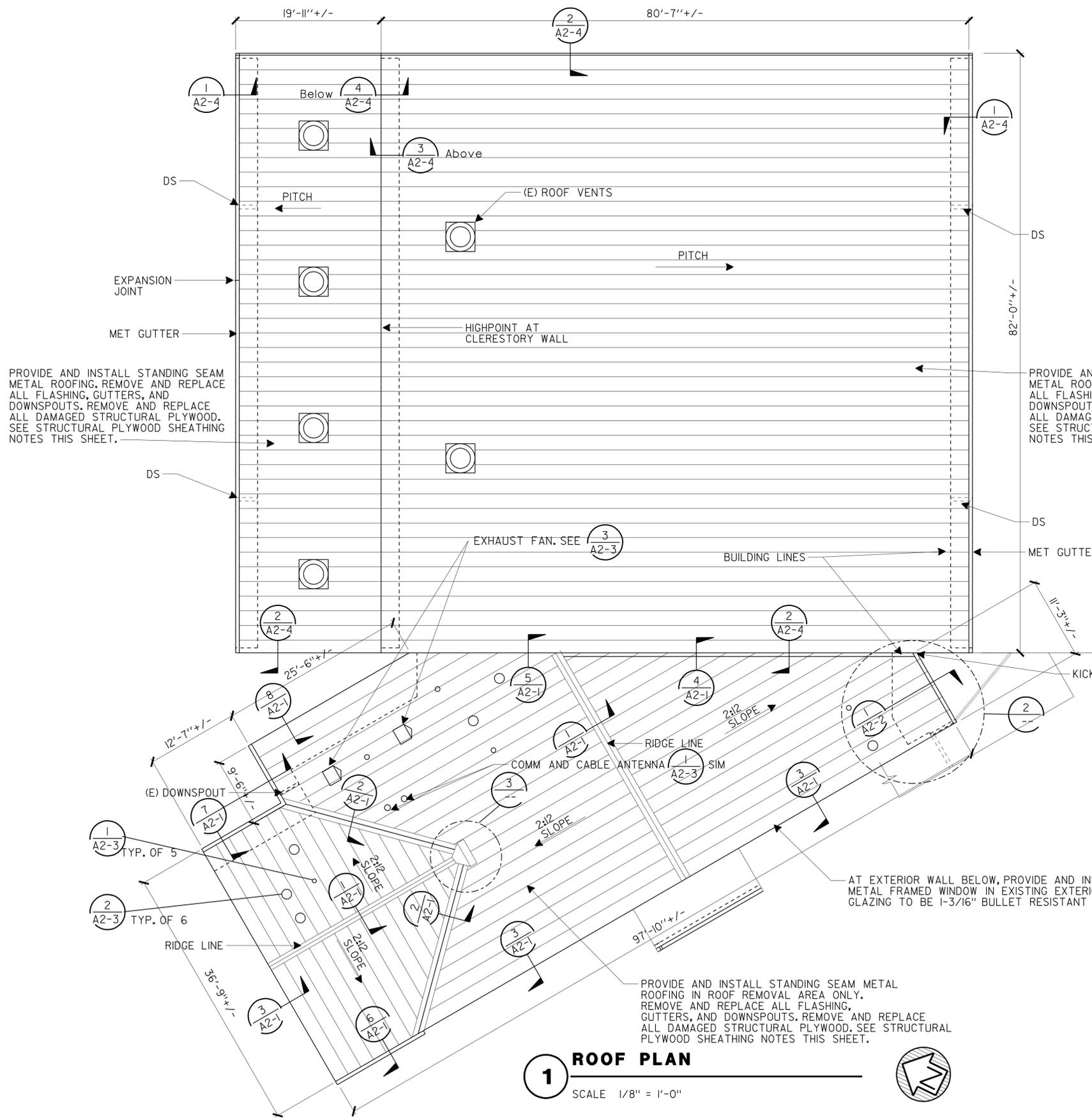
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COATING SYSTEMS		
MATERIAL	COLOR NUMBER	COATING SYSTEM
GALV METAL GUTTERS	MATCH (E) COLOR	1 or 3
GALV. MET DOWNSPOUTS	MATCH (E) COLOR	1 or 3
GALV METAL FASCIA COVER	MATCH (E) COLOR	3
WINDOW FRAME	MATCH (E) COLOR	3
		3
		4

STRUCTURAL PLYWOOD SHEATHING NOTES:
 ALL STRUCTURAL PLYWOOD SHEATHING SHALL BE 15/32" IN THICKNESS, AND SHALL HAVE A 32/16 SPAN RATING U.N.O.
 NAILING SCHEDULE:
 8d @ 6" OC AT ALL STRUCTURAL PLYWOOD SHEATHING PANEL EDGES, TYP
 8d @ 12" OC FIELD NAILING, TYP

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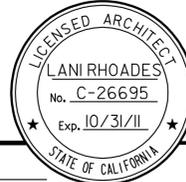
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	DETAILS BY LANI RHOADES	CHECKED CECILIA FAUST			POST MILE		REVISION DATES (PRELIMINARY STAGE ONLY)	X	X
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ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3

UNIT PROJECT NUMBER & PHASE: 0702 04000009501

EA 3A5501

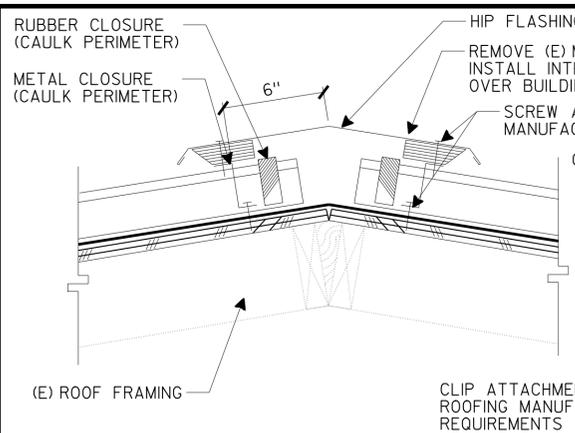
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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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			1-31-11 PLANS APPROVAL DATE <i>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</i>		

CALIFORNIA STATE FIRE MARSHAL APPROVED

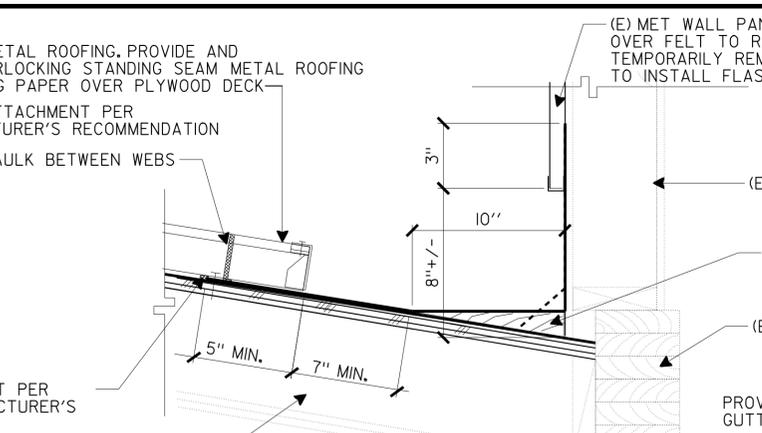
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approvals subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: 
 JOHN E. WOODS
 Approval date: 02-03-10



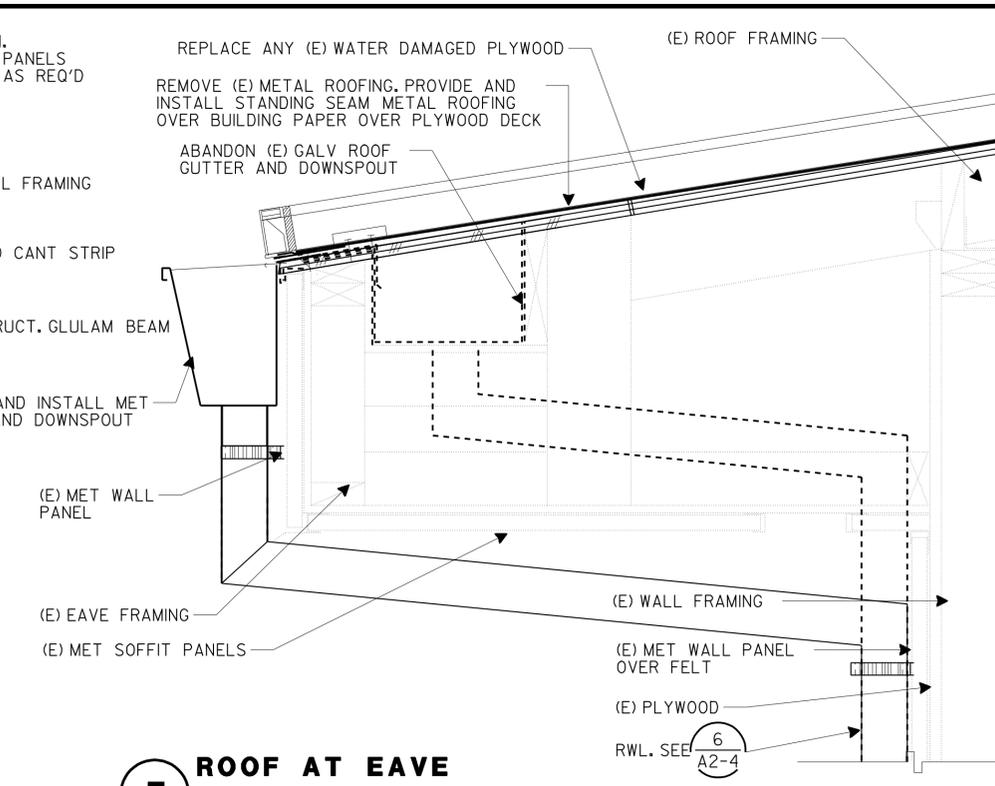
1 RIDGE

SCALE 2" = 1'-0"



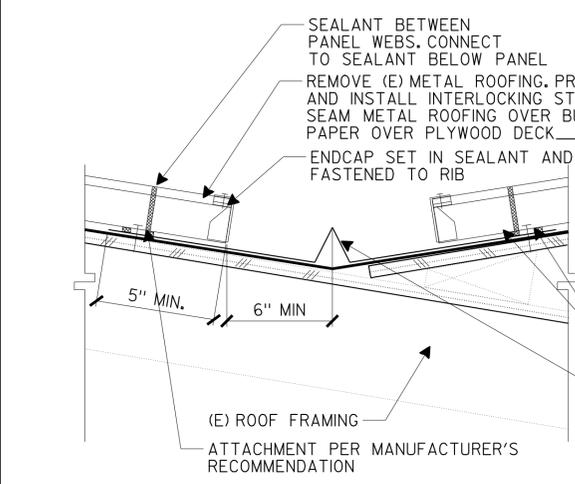
4 VALLEY AT WALL

SCALE 2" = 1'-0"



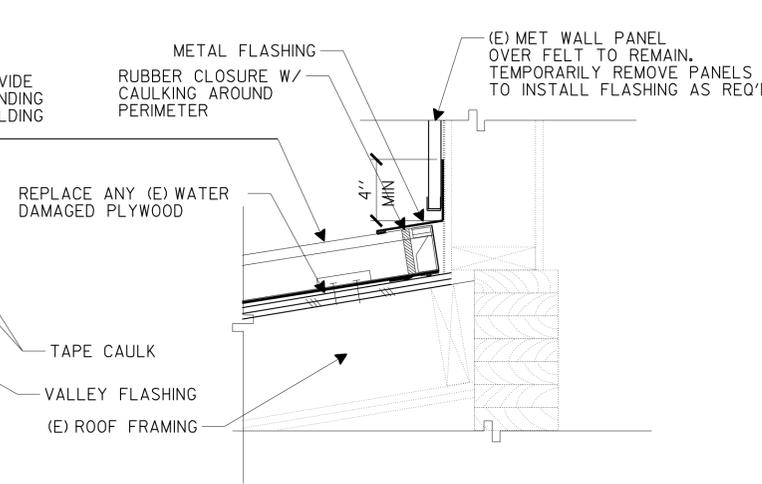
7 ROOF AT EAVE

SCALE 2" = 1'-0"



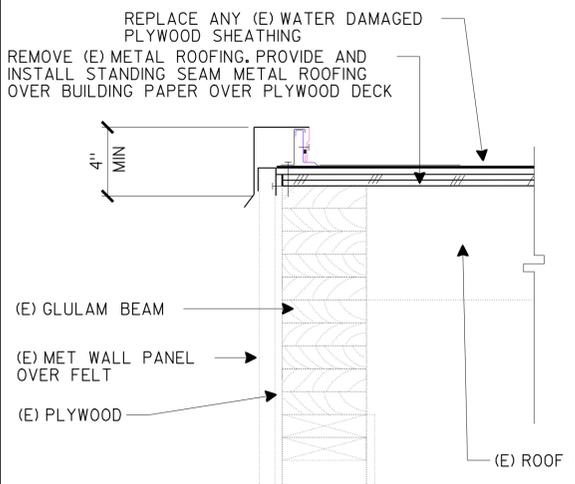
2 VALLEY

SCALE 2" = 1'-0"



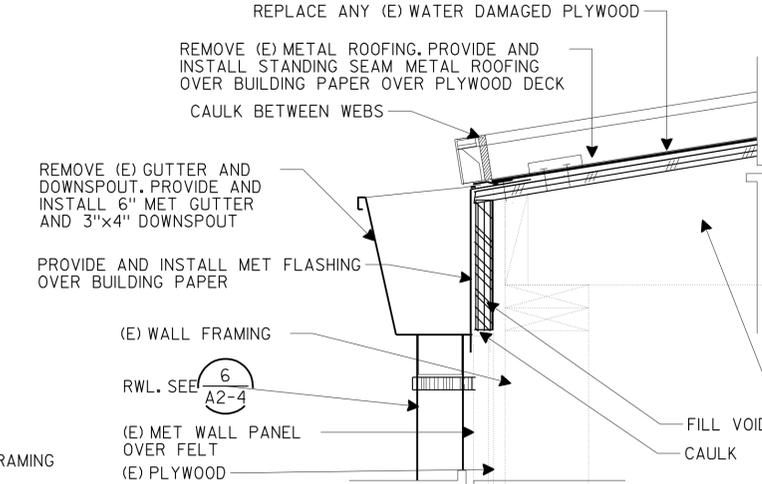
5 ROOF DETAIL

SCALE 2" = 1'-0"



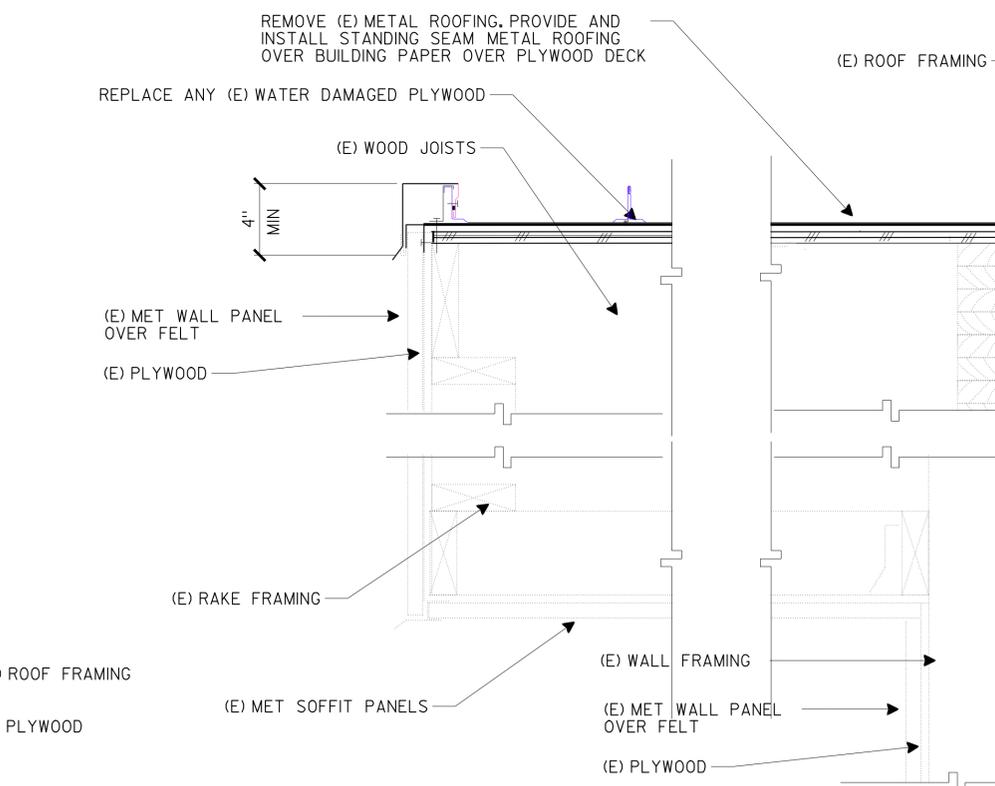
3 RAKE

SCALE 2" = 1'-0"



6 ROOF AT EAVE

SCALE 2" = 1'-0"



8 ROOF AT RAKE

SCALE 2" = 1'-0"

DESIGN	BY LANI RHOADES	CHECKED CECILIA FAUST
DETAILS	BY LANI RHOADES	CHECKED CECILIA FAUST
QUANTITIES	BY LANI RHOADES	CHECKED CECILIA FAUST

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. 33W0003R
 33W0002
 POST MILE

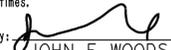
NIMITZ TRUCK INSPECTION FACILITY REPAIR
 ROOF PLAN DETAILS

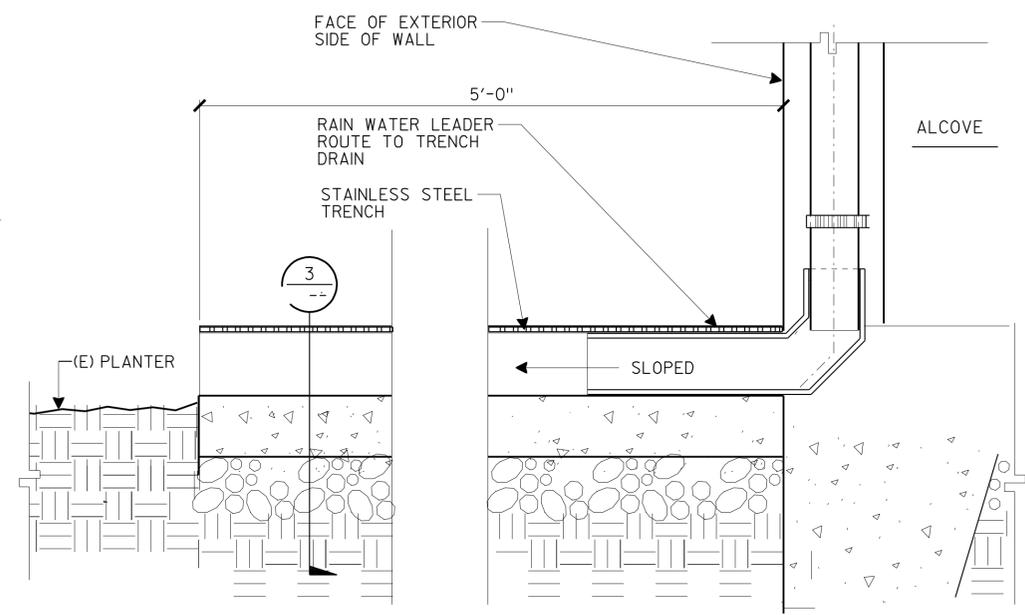
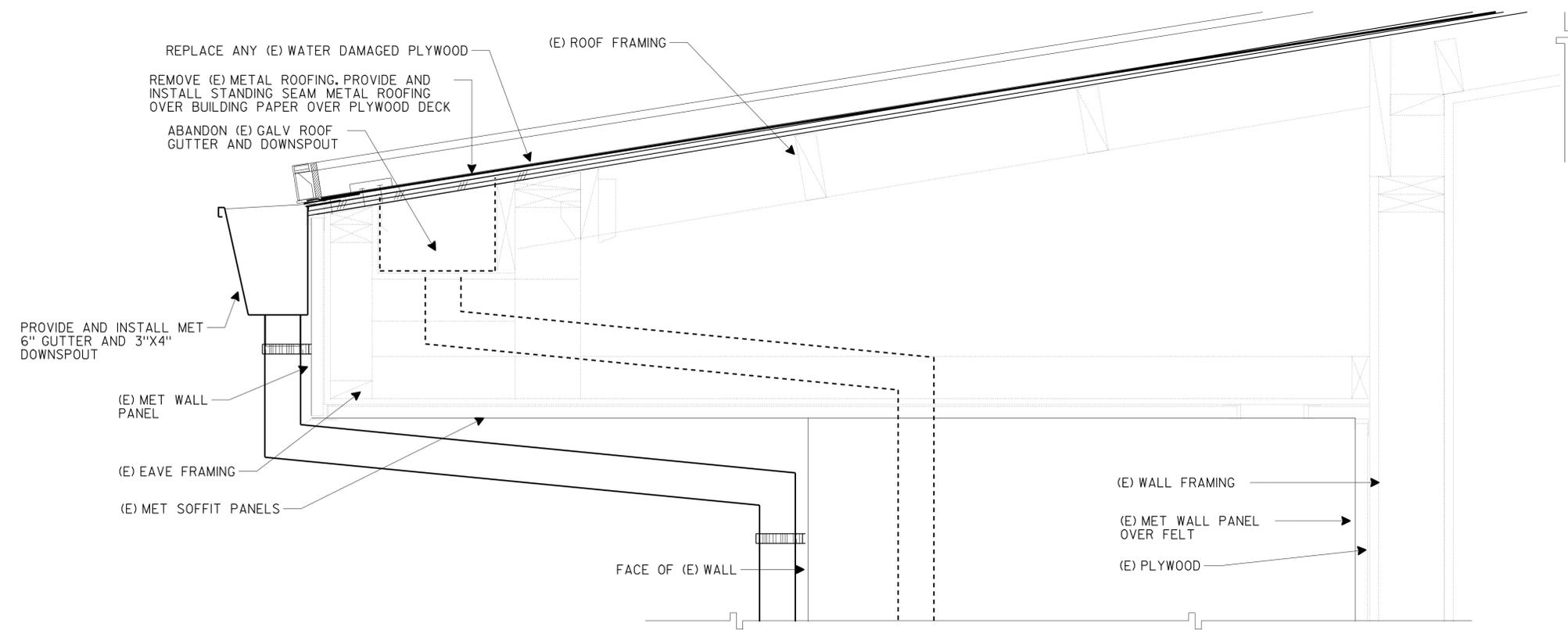
SHEET **A2-1**

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Alameda	880	3.7/4.2	28	47
			04/21/10		
LICENSED ARCHITECT			DATE		
1-31-11					
PLANS APPROVAL DATE					
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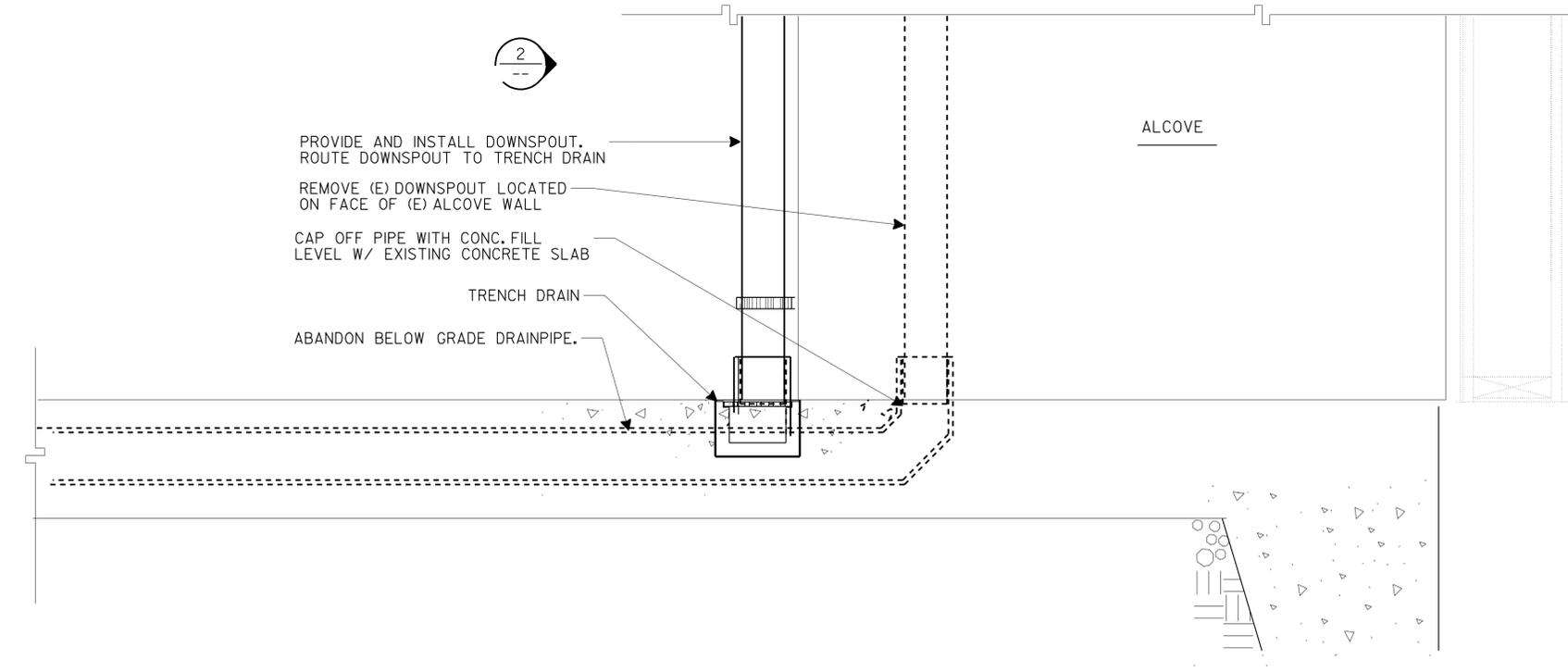
CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approvals subject to field inspection. One set of approved plans shall be available on the project site at all times.

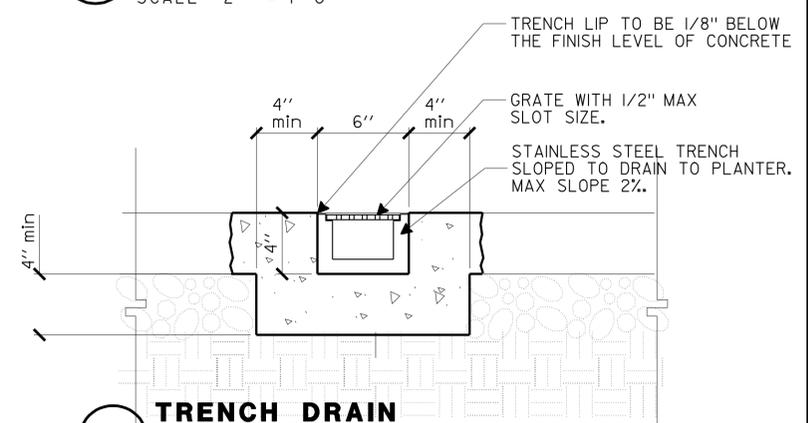
Reviewed by:  JOHN E. WOODS
Approval date: 02-03-10



2 TRENCH DRAIN
SCALE 2" = 1'-0"



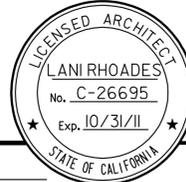
1 ROOF AND SOFFIT
SCALE 2" = 1'-0"

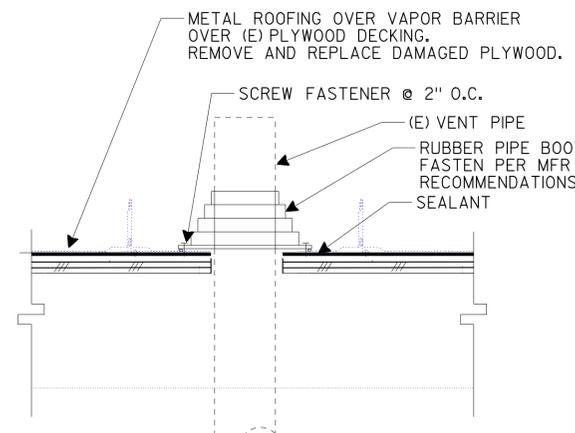


3 TRENCH DRAIN
SCALE 2" = 1'-0"

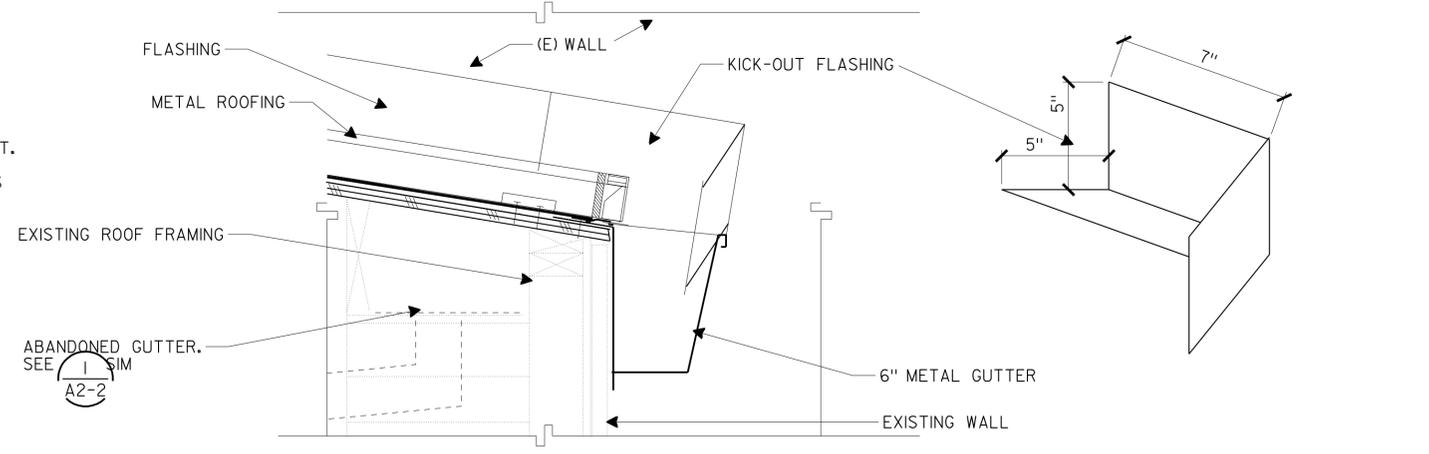
q2-2.dgn TAEMWW Imperial Rev. 7/10 01-FEB-2011 08:03	DESIGN	BY LANI RHOADES	CHECKED CECILIA FAUST	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	NIMITZ TRUCK INSPECTION FACILITY REPAIR	SHEET		
	DETAILS	BY LANI RHOADES	CHECKED CECILIA FAUST			33W0003R		MISCELLANEOUS DETAILS	A2-2	
QUANTITIES	BY LANI RHOADES	CHECKED CECILIA FAUST	33W0002			POST MILE				
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3	UNIT PROJECT NUMBER & PHASE	0702 04000009501	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	X X
							EA 3A5501		q2-2.dgn	

01-FEB-2011 08:03

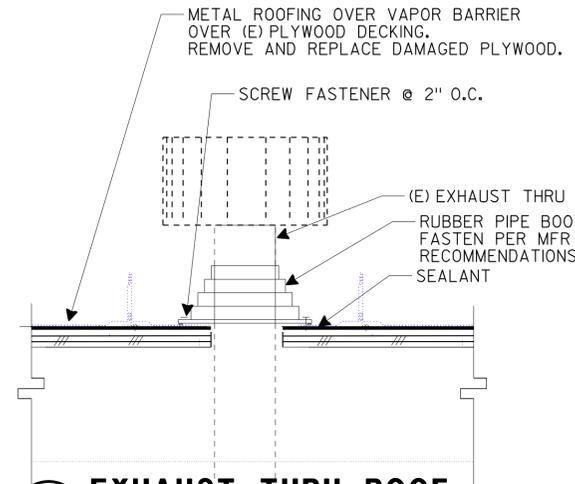
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Alameda	880	3.7/4.2	29	47
			04/21/10		
LICENSED ARCHITECT			DATE		
1-31-11					
PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



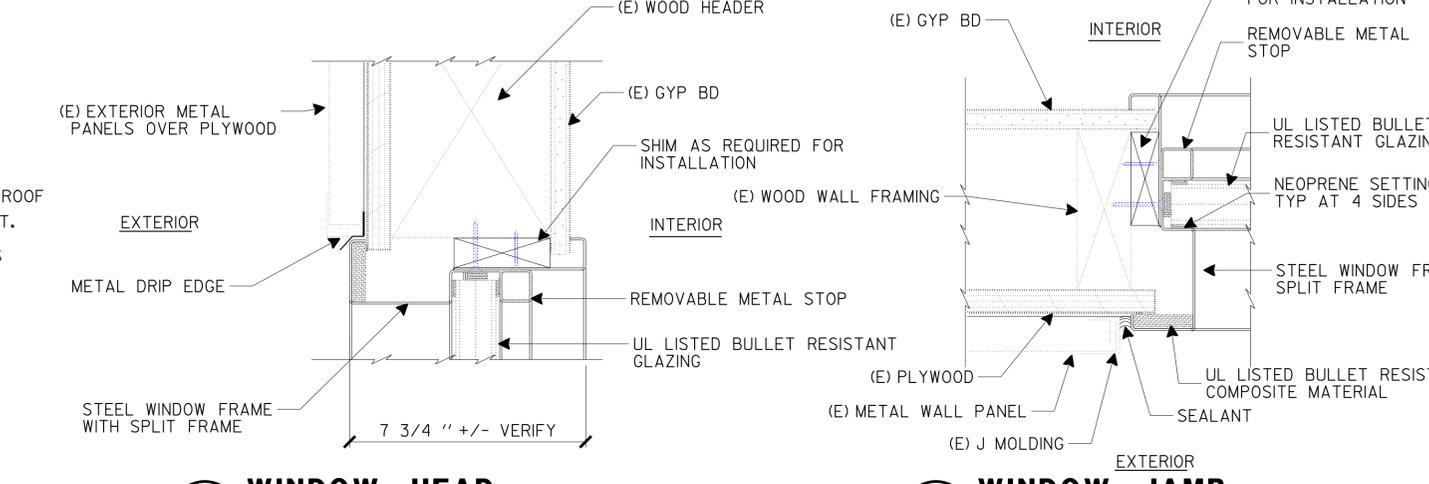
1 VENT PIPE
SCALE 2" = 1'-0"



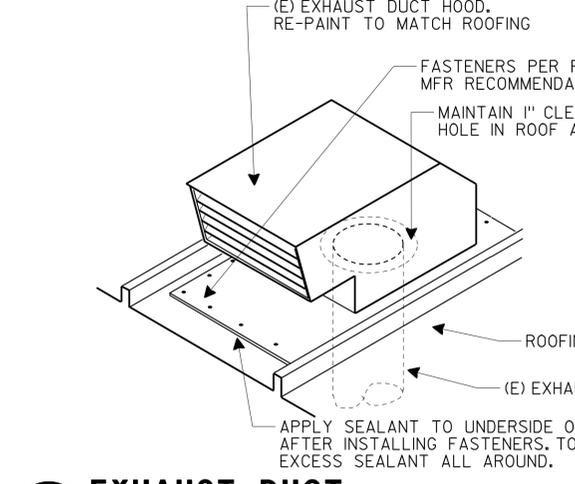
4 KICK-OUT FLASHING
SCALE 2" = 1'-0"



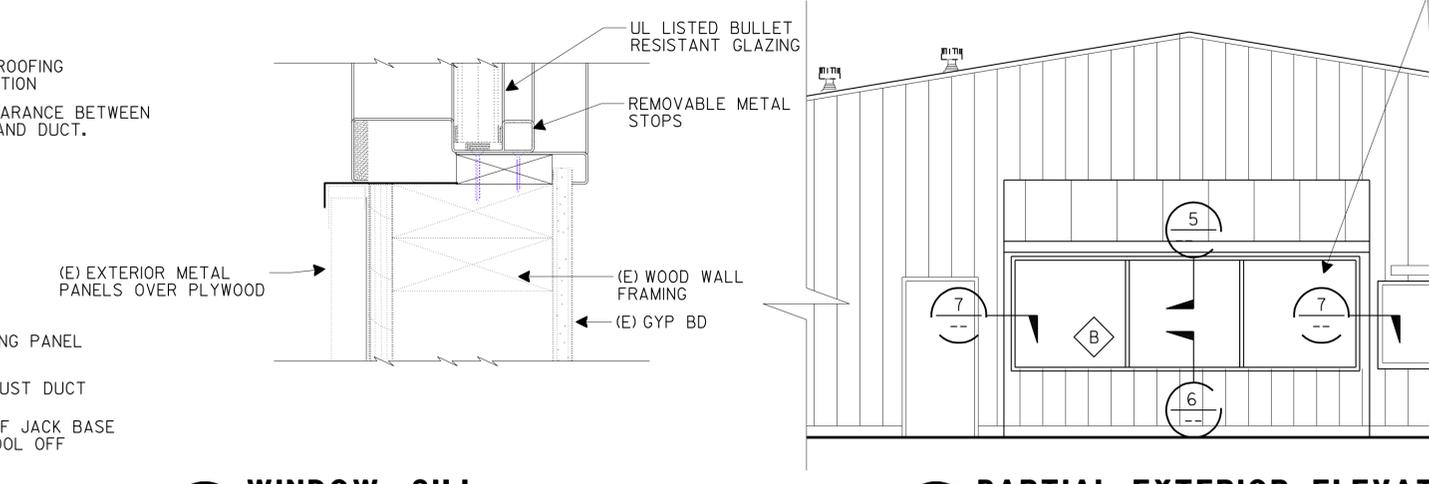
2 EXHAUST THRU ROOF
SCALE 2" = 1'-0"



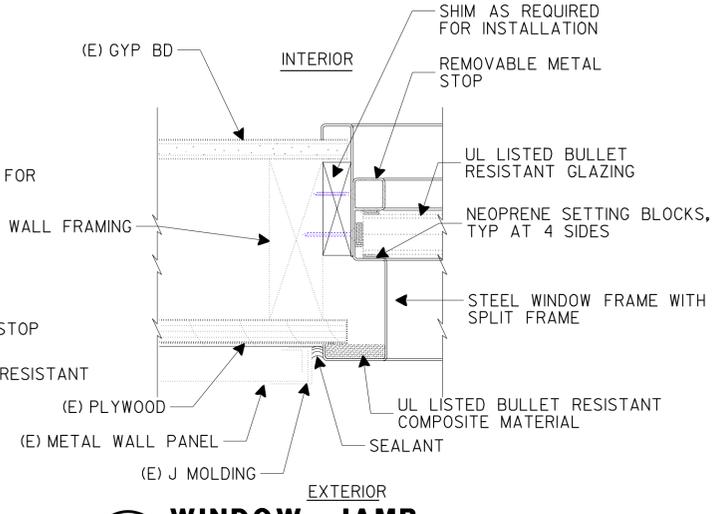
5 WINDOW HEAD
SCALE 4" = 1'-0"



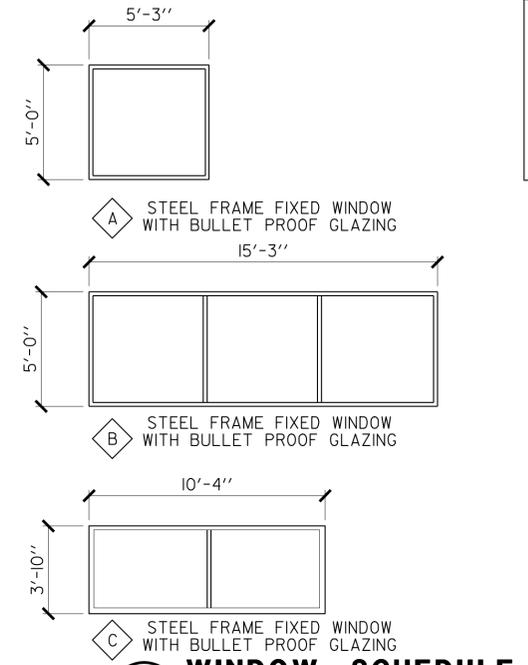
3 EXHAUST DUCT
SCALE 2" = 1'-0"



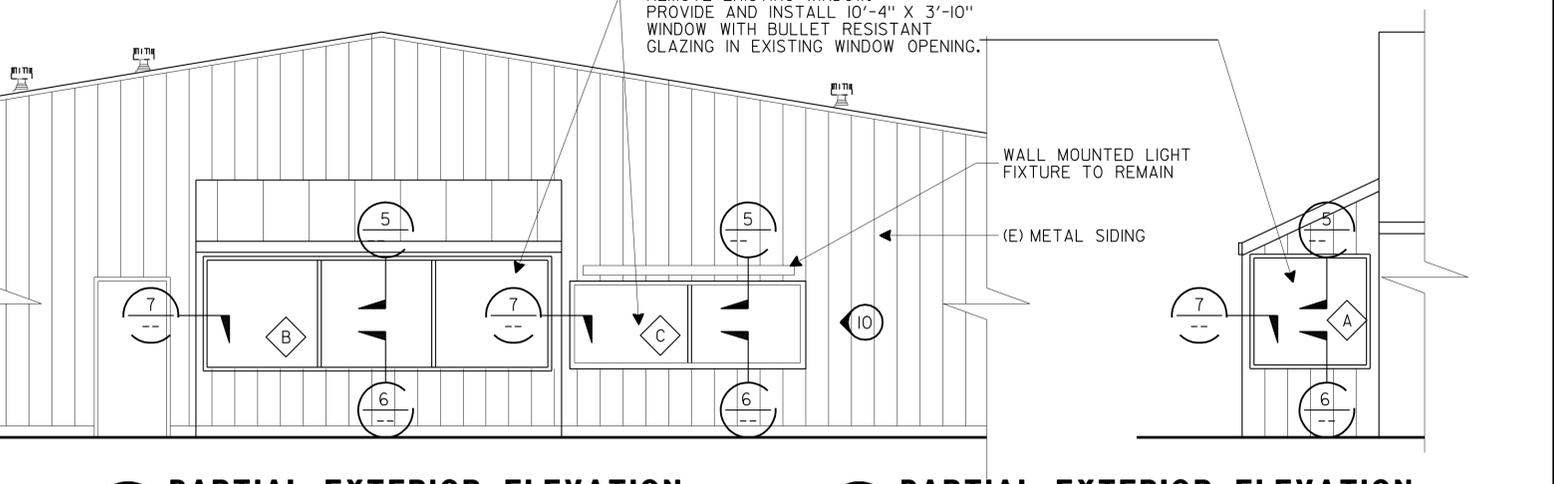
6 WINDOW SILL
SCALE 4" = 1'-0"



7 WINDOW JAMB
SCALE 4" = 1'-0"



9 WINDOW SCHEDULE
SCALE 1/4" = 1'-0"



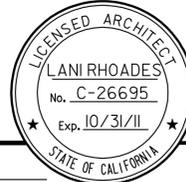
8 PARTIAL EXTERIOR ELEVATION
SCALE 1/4" = 1'-0"

10 PARTIAL EXTERIOR ELEVATION
SCALE 1/4" = 1'-0"

CALIFORNIA STATE FIRE MARSHAL APPROVED
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Reviewed by:  JOHN E. WOODS
Approval date: 02-03-10

a2-3.dgn TAEWW Imperial Rev. 7/10 01-FEB-2011 08:04	DESIGN	BY LANI RHOADES	CHECKED CECILIA FAUST	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 33W0003R 33W0002 POST MILE	NIMITZ TRUCK INSPECTION FACILITY REPAIR	PARTIAL EXTERIOR ELEVATION AND DETAILS	SHEET
	DETAILS	BY LANI RHOADES	CHECKED CECILIA FAUST						A2-3
	QUANTITIES	BY LANI RHOADES	CHECKED CECILIA FAUST	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE	0702 04000009501	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
				0 1 2 3	EA 3A5501				X X

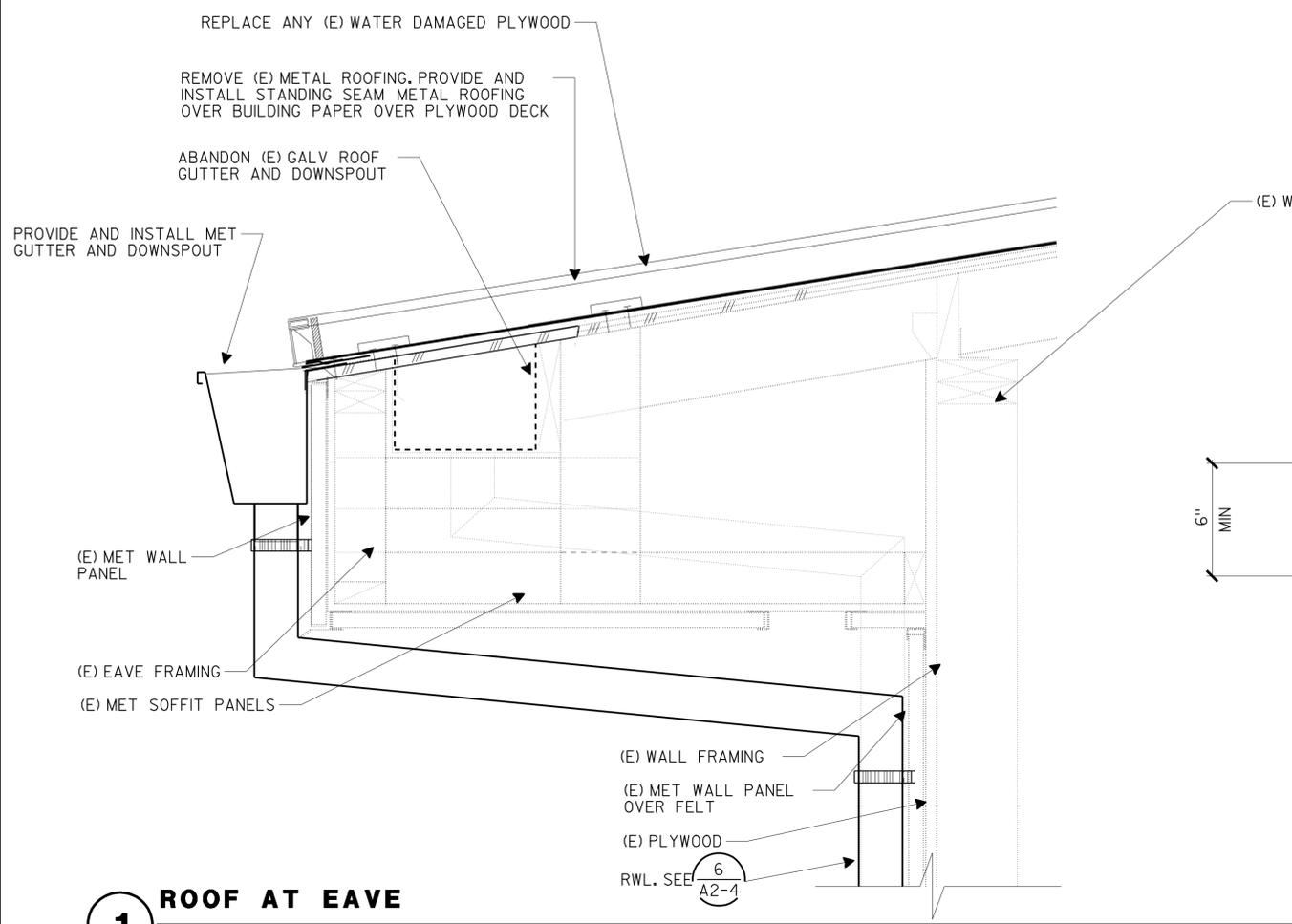
01-FEB-2011 08:04

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	30	47
 LICENSED ARCHITECT			04/21/10 DATE		
1-31-11 PLANS APPROVAL DATE					
<i>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</i>					

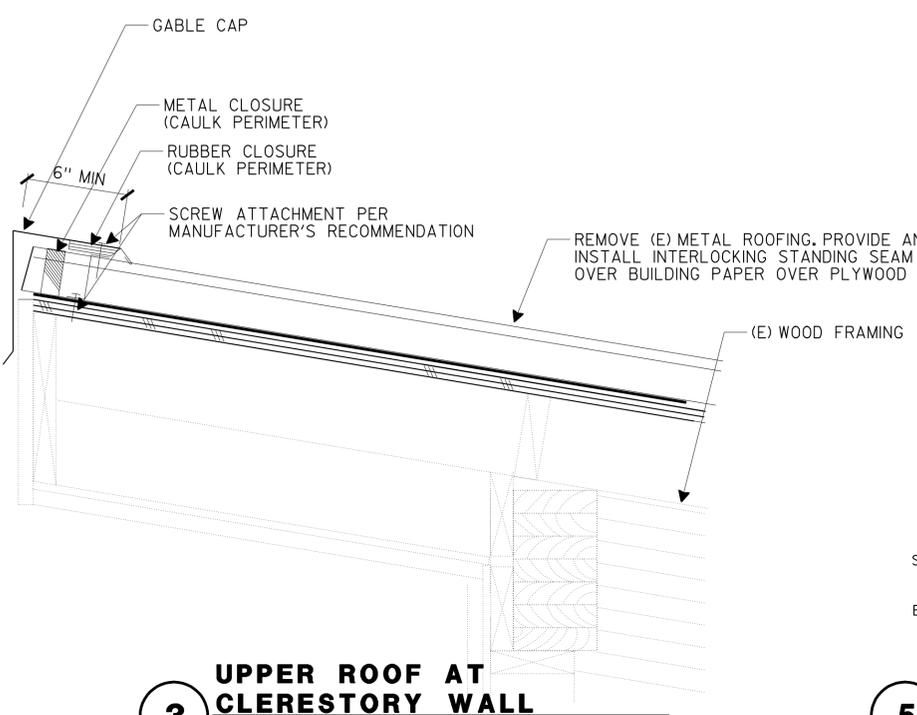
CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approvals subject to field inspection. One set of approved plans shall be available on the project site at all times.

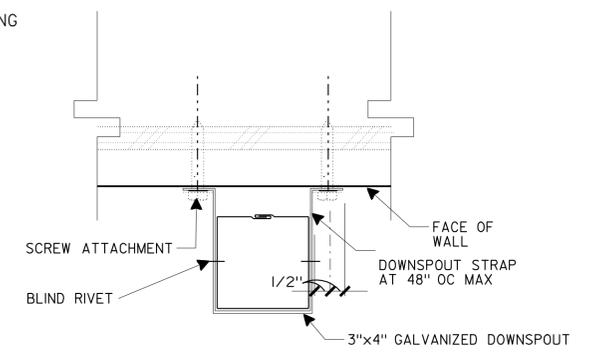
Reviewed by: 
 JOHN E. WOODS
 Approval date: 02-03-10



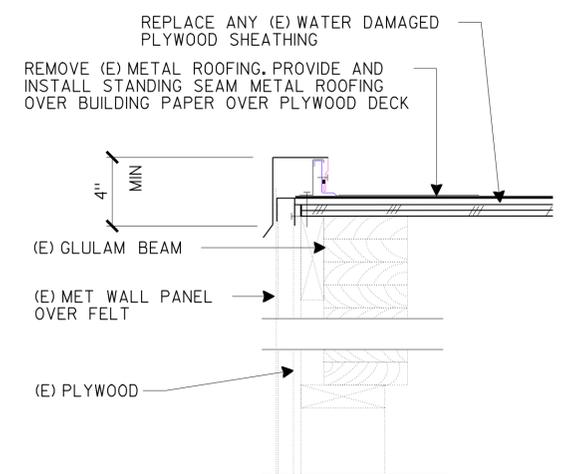
1 ROOF AT EAVE
SCALE 2" = 1'-0"



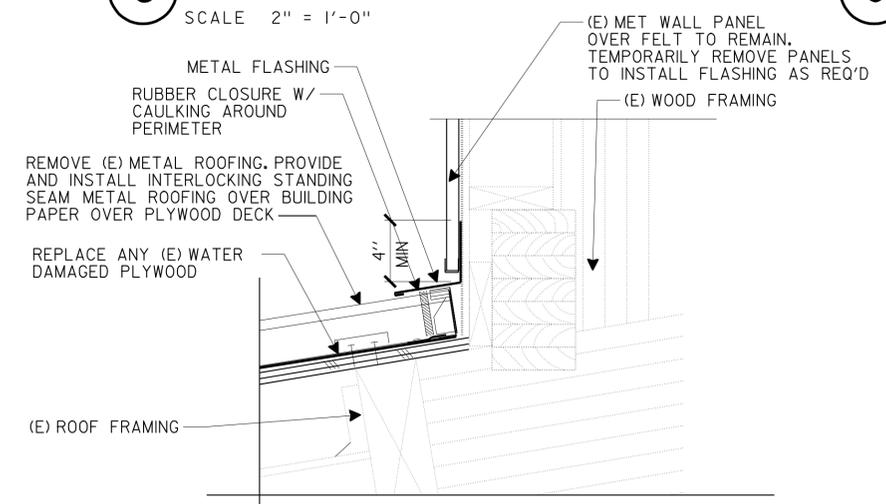
3 UPPER ROOF AT CLERESTORY WALL
SCALE 2" = 1'-0"



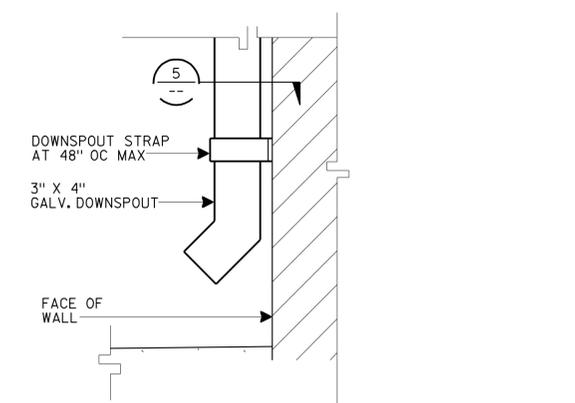
5 RAIN WATER LEADER
NOT TO SCALE



2 ROOF AT RAKE
SCALE 2" = 1'-0"



4 LOWER ROOF AT CLERESTORY WALL
SCALE 2" = 1'-0"



6 RAIN WATER LEADER
NOT TO SCALE

q2-4.dgn TAEMWW Imperial Rev. 7/10 01-FEB-2011 08:04	DESIGN BY LANI RHOADES CHECKED CECILIA FAUST	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 33W0003R 33W0002 POST MILE	NIMITZ TRUCK INSPECTION FACILITY REPAIR EXISTING ROOF DETAILS	SHEET OF A2-4
	DETAILS BY LANI RHOADES CHECKED CECILIA FAUST QUANTITIES BY LANI RHOADES CHECKED CECILIA FAUST		PROJECT NUMBER & PHASE 0702 04000009501 UNIT EA 3A5501	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) - -01 XX-XX-XX

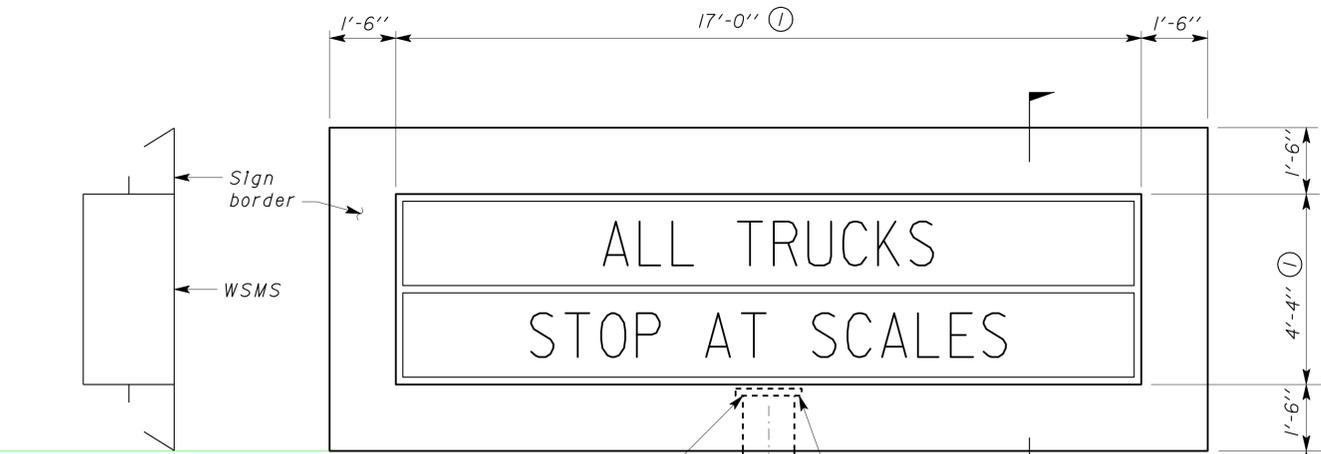
01-FEB-2011 08:04

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Alameda	880	3.7/4.2	31	47

<i>Tahir Rashid</i>	10-15-09
REGISTERED CIVIL ENGINEER	DATE

1-31-11
PLANS APPROVAL DATE

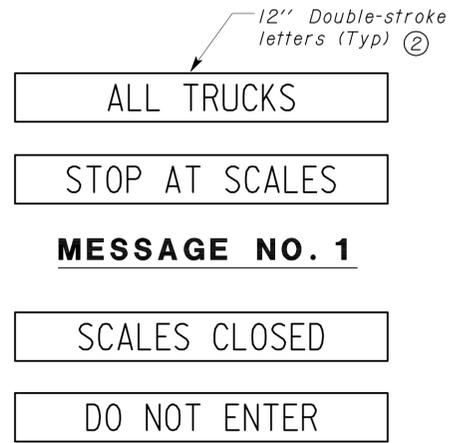
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A SECTION
NO SCALE



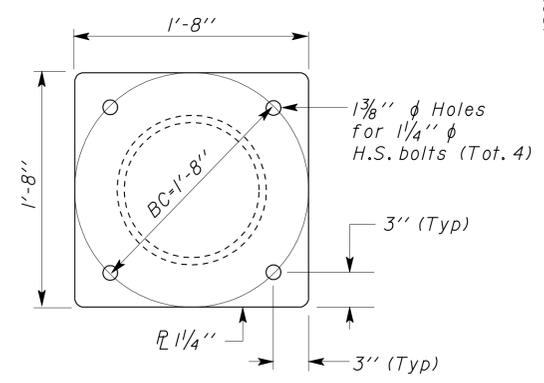
Mounting details to be submitted by fabricator for approval by Engineer. For mounting plate detail see **B**.



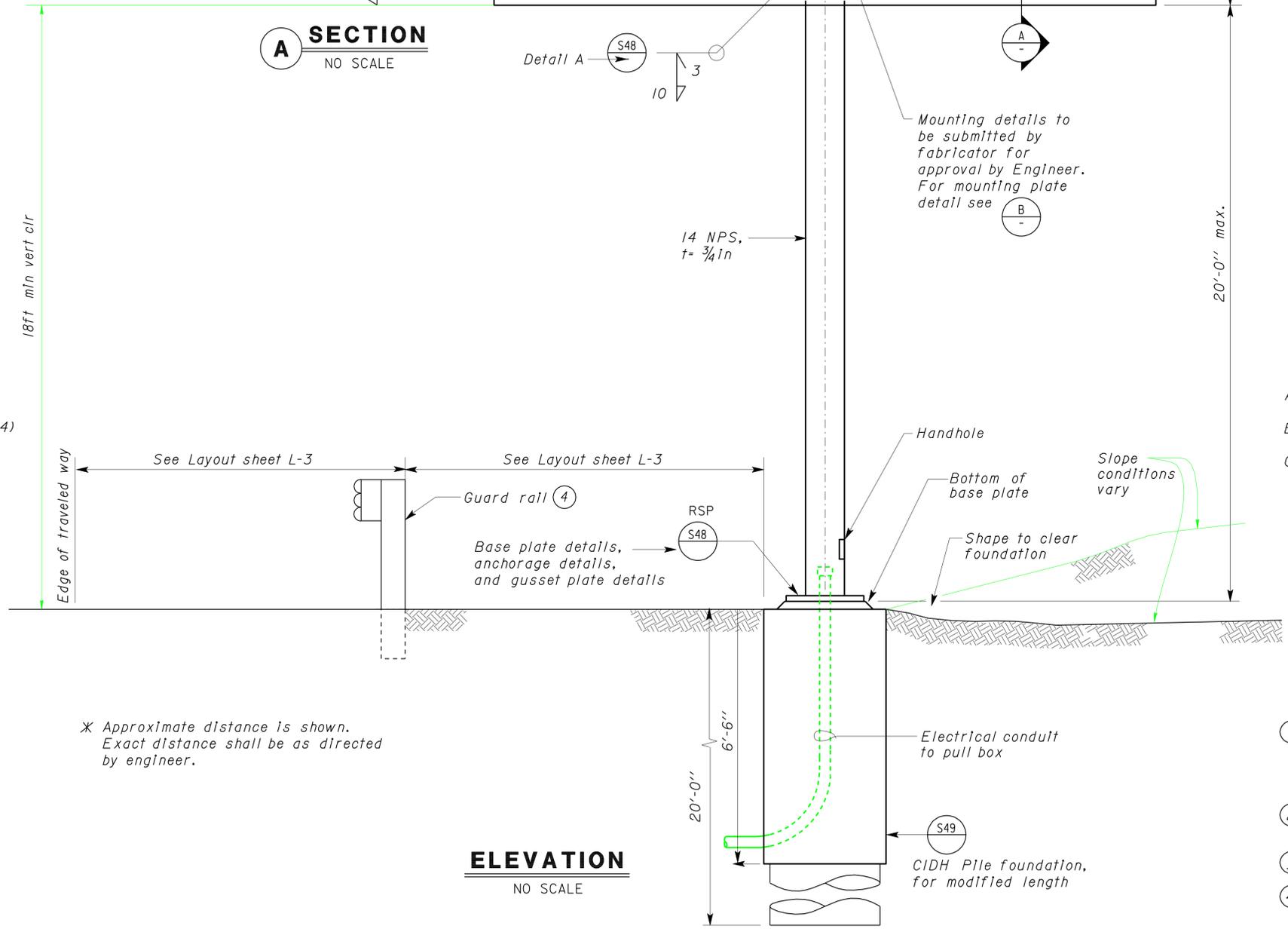
MESSAGE NO. 2
WEIGH STATION MESSAGES

- General Notes:**
- A. For details not shown, see Standard Plans.
 - B. For sign location, see site plan.
 - C. Specifications:
 - Design AASHTO Specification for the design and construction of structure supports for highway signs, 2004.
 - Loading:
 - Wind loading: 80 MPH AASHTO = 80.4 M/H
 - Reinforced concrete (Allowable Stress Design)
 - f'c = 3000 psi
 - fy = 60,000 psi

- Notes:**
- ① Approximate dimensions shown. The projected sign face area shall not exceed the area shown by more than 10%. Actual size shall be submitted to provide proportionate layout of messages.
 - ② Size of letters is the actual viewable size. Pixel size can be smaller.
 - ③ Provide slope protection at pole base.
 - ④ For Guard Rail, See Roadway Sheet.



B SIGN MOUNTING PLATE
NO SCALE



ELEVATION
NO SCALE

* Approximate distance is shown. Exact distance shall be as directed by engineer.

DESIGN ENGINEER <i>Joe Spadoni</i>	DESIGN BY Tahir Rashid	CHECKED BY Thomas Tong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 33W0003R/L	MESSAGE SIGN	NIMITZ WEIGH STATION FACILITY REPAIR		SHEET ST1-1
	DETAILS BY Daniel Harakh	CHECKED BY Tahir Rashid			POST MILE		WEIGH STATION MESSAGE SIGN		
QUANTITIES BY	CHECKED		UNIT PROJECT NUMBER & PHASE 3581 04000009501	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF			

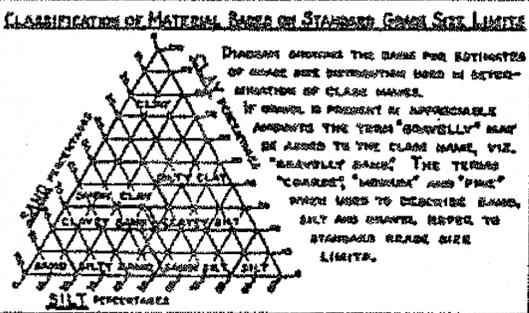
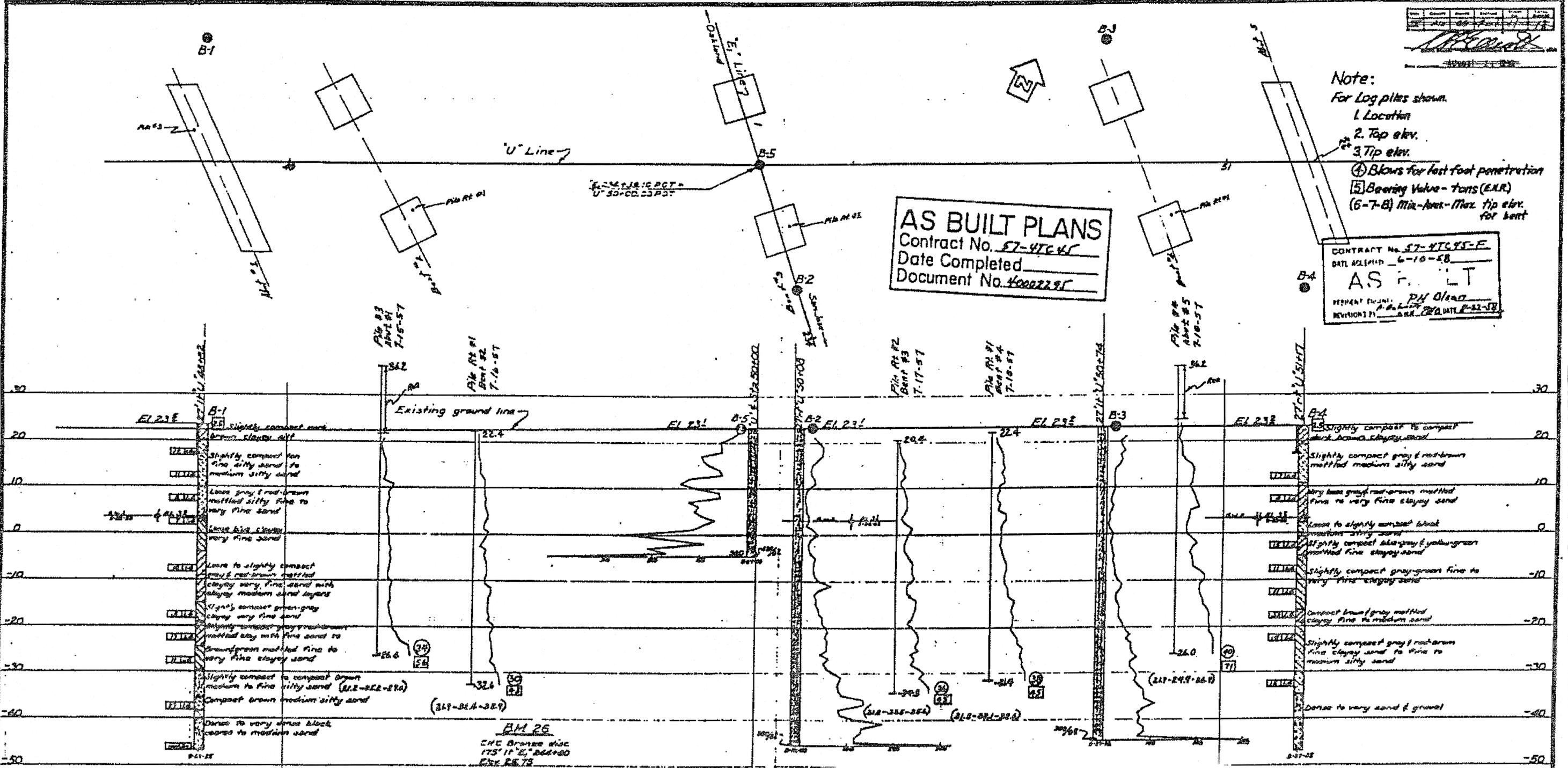
DATE	BY	NO.	REV.
11-10-11	AS	1	1

Note:
 For Log piles shown.
 1 Location
 2 Top elev.
 3 Tip elev.
 4 Blows for last foot penetration
 5 Bearing Value - tons (E.A.R.)
 (6-7-8) Min-Ave-Max tip elev. for best

AS BUILT PLANS
 Contract No. 57-4TC-45
 Date Completed _____
 Document No. 40002295

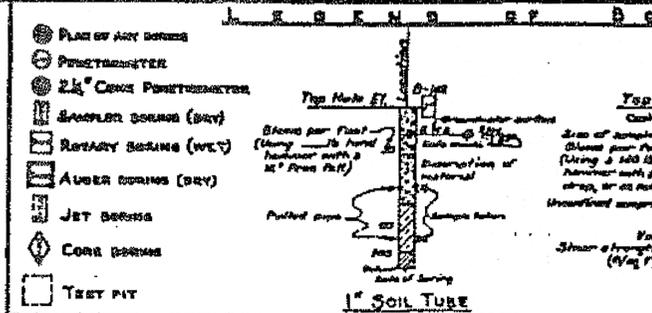
CONTRACT No. 57-4TC-45-E
 DATE ACCEP'D - 6-10-11
AS BUILT
 PERMITS ENGINEER: P.H. O'Leary
 REVISIONS: 11 and 12 DATE 8-22-11

BRIDGE DEPARTMENT



LEGEND OF EARTH MATERIALS

Gravel	Silty clay or clayey silt
Sand	Peat and/or organic matter
Silt	Fill material
Clay	Imbedded rock
Sandy clay or clayey sand	Sedimentary rock
Sandy silt or silty sand	Metamorphic rock



DIVISION OF ENGINEERING SERVICES - GEOTECHNICAL SERVICES

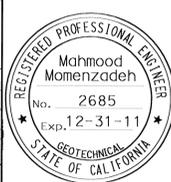
As-Built Log of Test Borings sheet is considered an informational document only. As such, the State of California registration seal with signature, license number and registration certificate expiration date confirm that this is a true and accurate copy of the original document. This drawing is available and presented only for the convenience of any bidder, contractor or other interested party.

DIST.	COUNTY	ROUTE	POST MILE-TOTAL PROJECT	Sheet No.	Total Sheets
04	Ala	880	3.7/4.2	33	47

REGISTERED GEOTECHNICAL ENGINEER
 NIMITZ TRUCK INSPECTION FACILITY REPAIR
 LOG OF TEST BORINGS 2 OF 2

NOTE: A COPY OF THIS LOG OF TEST BORINGS IS AVAILABLE AT OFFICE OF STRUCTURE MAINTENANCE AND INVESTIGATIONS, SACRAMENTO, CALIFORNIA

CU: 04	BRIDGE No.
EA: 3A5501	33W002R
	33W002R
	Sheet of



NOTES

The contractor's attention is directed to Section 7, Article (c) of the Standard Specifications and to the Special Provisions accompanying this set of plans. Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.

DURHAM ROAD OVERCROSSING

LOG OF TEST BORINGS

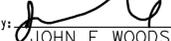
SCALE 1"=10'

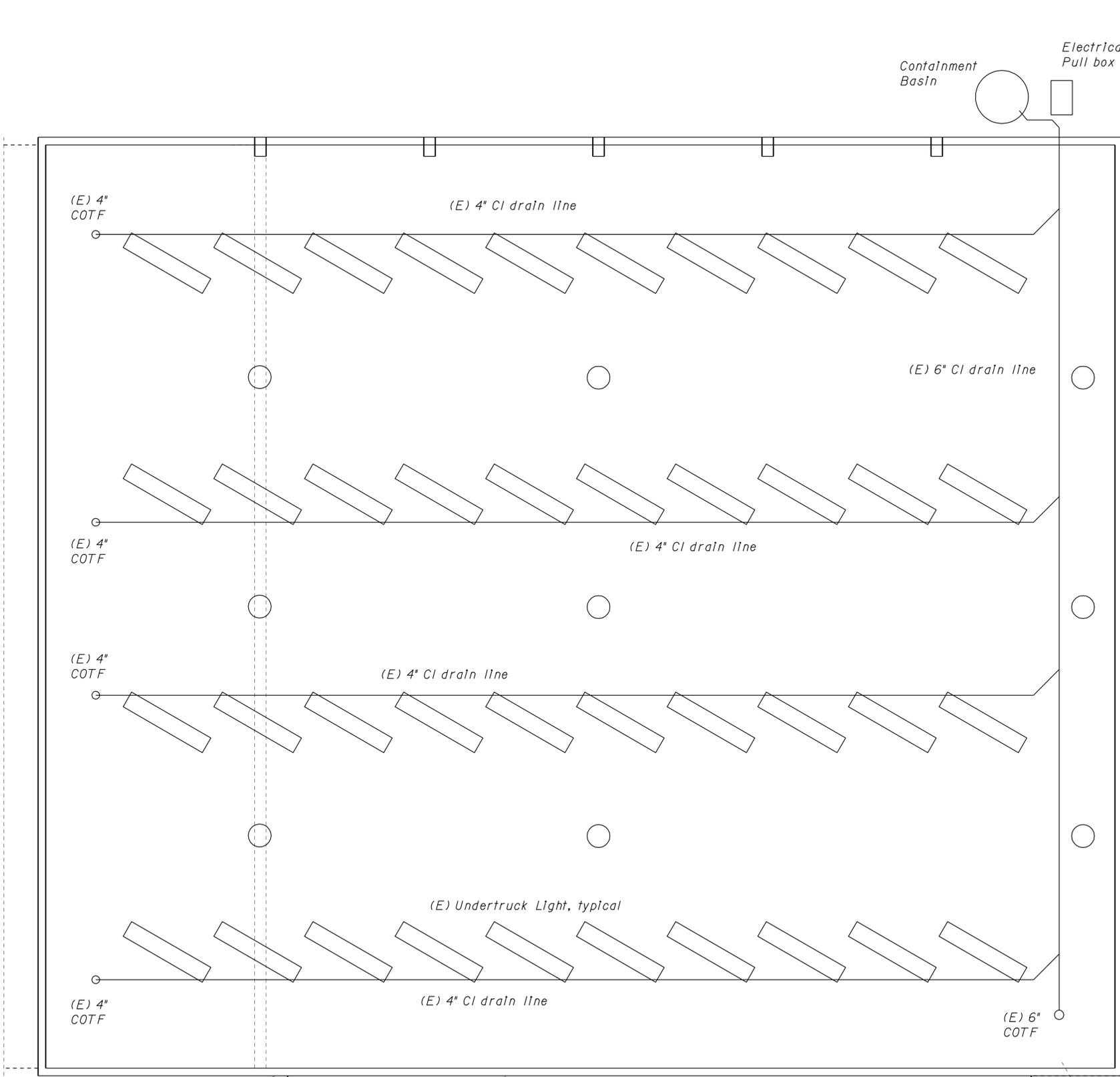
Sheet 33-268

Drawn 5-4879-11

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	35	47

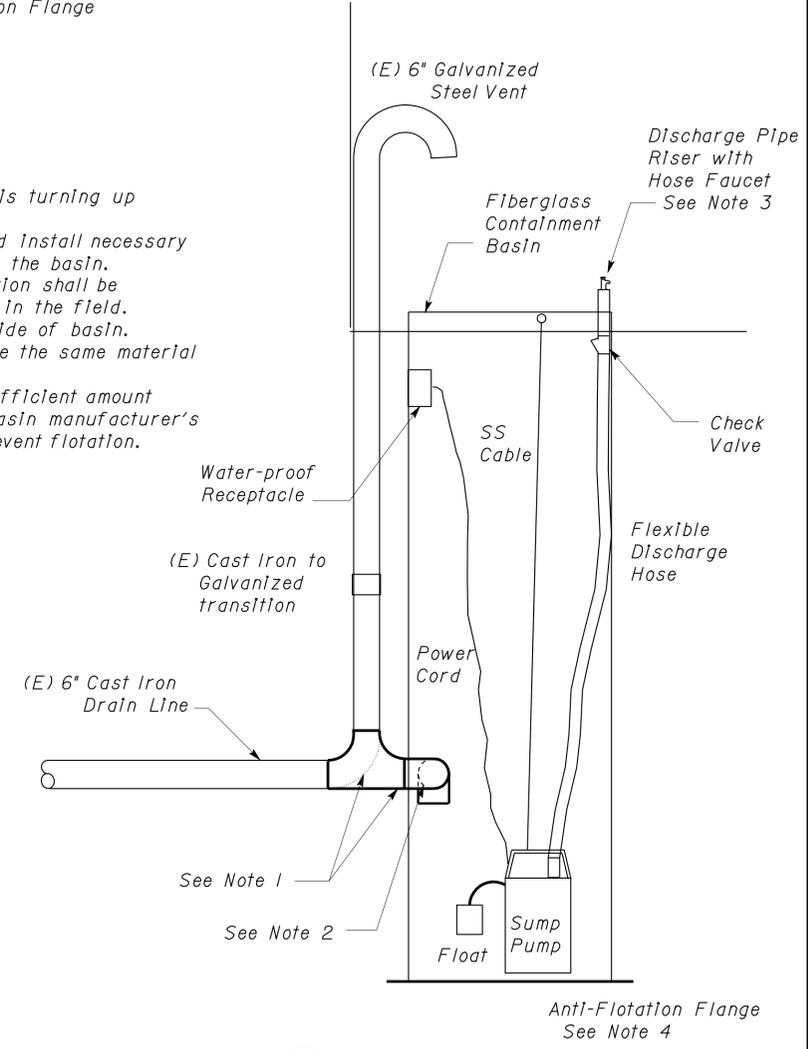
 REGISTERED MECHANICAL ENGINEER DATE 4/23/10	
1-31-11	
PLANS APPROVAL DATE	
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CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: 
 JOHN E WOODS
 Approval date: 02-03-10



Sump Pump - Submersible Pump with stainless steel housing and Impeller 36 GPM at 12 Ft head, 1/3 HP, 115V-1Ph
 Containment Basin - 24" Dia. x 8 Ft deep Fiberglass basin with Steel Access cover and Anti-Flotation Flange

- Notes:
1. Remove (E) elbow that is turning up to (E) steel vent. Replace with a Tee and install necessary fittings to drain into the basin.
 2. The basin inlet connection shall be located and installed in the field.
 3. Attach Pipe Riser to side of basin. The pipe riser shall be the same material as the Inlet pipe.
 4. Install Basin with a sufficient amount of concrete per the basin manufacturer's recommendation to prevent flotation.



1 SUMP DETAIL
 NO SCALE

UNDERTRUCK LIGHT FIXTURE DETAIL PLAN
 SCALE 3/16" = 1'-0"

DESIGN	BY Alvin Kwan	CHECKED Jack Wheeler
DETAILS	BY Alvin Kwan	CHECKED Jack Wheeler
QUANTITIES	BY Alvin Kwan	CHECKED Jack Wheeler

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO. 33W0003R
 33W0002
 POST MILE various

NIMITZ TRUCK INSPECTION FACILITY REPAIR
 DRAINAGE MODIFICATION

SHEET M1-1

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT PROJECT NUMBER & PHASE 0702 04000009501

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
	07/09/09 08/02/09 10/13/09 1/17/10 04/28/10 07/23/10 09/23/10	

GRAPHIC SYMBOLS FOR ELECTRICAL WIRING AND LAYOUT DIAGRAMS

SYMBOL	DESCRIPTION
	POLE-TOP ELECTROLIER
	POLE-ARM ELECTROLIER
CEILING WALL	
	SURFACE FLUORESCENT, METAL HALIDE OR SODIUM VAPOR FIXTURE
	RECESSED FLUORESCENT, METAL HALIDE, OR SODIUM VAPOR FIXTURE
	EXIT LIGHT
	SURFACE OR PENDANT INDIVIDUAL FLUORESCENT FIXTURE
	RECESSED INDIVIDUAL FLUORESCENT FIXTURE
	SURFACE OR PENDANT CONTINUOUS ROW FLUORESCENT FIXTURES
NOTE: A LOWER CASE LETTER NEAR GRAPHIC LIGHTING FIXTURE SYMBOL DENOTES THAT FIXTURE IS CONTROLLED BY A SIMILARLY MARKED SWITCH, AN ALPHANUMERIC SYMBOL NEAR GRAPHIC LIGHTING FIXTURE SYMBOL DENOTES FIXTURE TYPE, (I=INCANDESCENT, F=FLUORESCENT, MH=METAL HALIDE, H=HIGH PRESSURE SODIUM VAPOR), DESIGN TYPE, NUMBER OF LAMPS AND WATTAGE. EXAMPLE: (4) F 2 - 2 x 32	
	BLANK OUTLET
	JUNCTION BOX
	DROP CORD
	SINGLE RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET (WITH GFCI)
	DUPLEX RECEPTACLE OUTLET, WEATHERPROOF (WITH GFCI)
	SINGLE, SPECIAL PURPOSE RECEPTACLE OUTLET
	DUPLEX, SPECIAL PURPOSE RECEPTACLE OUTLET
	RANGE OUTLET
	CLOCK HANGER RECEPTACLE
	FAN HANGER RECEPTACLE
	FLOOR SINGLE RECEPTACLE OUTLET
	FLOOR DUPLEX RECEPTACLE OUTLET
	FLOOR SPECIAL PURPOSE OUTLET
	FLOOR RADIO OUTLET
	FLOOR TELEPHONE OUTLET
	MULTI-FLOOR OUTLET, 2 OR MORE GANG
	MULTI-OUTLET ASSEMBLY
	S SINGLE POLE SWITCH
	S ₂ DOUBLE POLE SWITCH
	S ₃ THREE WAY SWITCH
	S ₄ FOUR WAY SWITCH
	S _D AUTOMATIC DOOR
	S _K KEY OPERATED SWITCH
	S _P SWITCH AND PILOT LIGHT
	S _{MC} MOMENTARY CONTACT SWITCH
	S _{RC} REMOTE CONTROL SWITCH
	S _{WP} WEATHERPROOF SWITCH
	S _F FAN SWITCH
	S _L LIGHT SWITCH
	S _H HEATER SWITCH
	S _V VARIABLE SPEED MOTOR CONTROL SWITCH
	S _{CHLF} TWO TIMER SWITCHES, ONE SWITCH FOR LIGHT AND FAN AND ONE SWITCH FOR HEAT LAMP

SYMBOL	DESCRIPTION
	S ₁ OCCUPANCY SENSOR WALL SWITCH, SINGLE LEVEL
	S ₂ OCCUPANCY SENSOR WALL SWITCH, BILEVEL
	S _M MOTION SENSOR SWITCH
	S _T MANUAL MOTOR STARTING SWITCH, THERMAL OVERLOAD TYPE
	S _H P MANUAL MOTOR STARTING SWITCH, WITHOUT OVERLOAD ELEMENT
	T _s TIMER SWITCH
	S _S SWITCH AND SINGLE RECEPTACLE
	S _S SWITCH AND DUPLEX RECEPTACLE
	C HAND DRYER NOZZLE
	H HAND DRYER
	▲ RADIO OUTLET
	□ COMMUNICATION OUTLET
	□ SOUND SYSTEM LOUD SPEAKER OUTLET
	■ PUSHBUTTON
	■ L PUSHBUTTON STATION, NC, WITH LOCKING DEVICE FOR OPEN
	■ M PUSHBUTTON STATION MOTOR CONTROL
	B BUZZER
	BELL
	□ COMBINATION BELL-BUZZER
	T THERMOSTAT
	PS PRESSURE SWITCH
	R CONTROL RELAY
	FS FLOW SWITCH
	PEC PHOTOELECTRIC CELL
	R RADIO OUTLET
	TV TELEVISION OUTLET
	M MICROPHONE OUTLET
	FLUSH-MOUNTED PANELBOARD AND CABINET
	SURFACE-MOUNTED PANELBOARD AND CABINET
	LIGHTING PANEL
	POWER PANEL
	COMBINATION LIGHTING AND POWER
	MC MOTOR CONTROLLER
	DISCONNECT SWITCH
	CONDUIT CONCEALED IN CEILING OR WALL
	CONDUIT CONCEALED IN FLOOR
	CONDUIT EXPOSED
	CROSS-LINES INDICATE NUMBER OF #12 AWG CONDUCTORS. LONGER CROSS-LINE INDICATES #12 AWG (G) FOR EQUIPMENT GROUNDING CONDUCTOR. NO CROSS-LINE INDICATES 2#12 WITH #12 (G) UNLESS OTHERWISE NOTED. ALL CONDUIT 1/2" UNLESS OTHERWISE NOTED.
	Al, 2 HOMERUN TO PANELBOARD, ARROWS INDICATE NUMBER OF CIRCUITS, LETTER DENOTES PANELBOARD, NUMERAL DENOTES CIRCUIT.
	SM SURFACE METAL RACEWAY
	(2) 1/2" C, PVC, 2#12 CONDUCTOR INFO (PER CONDUIT) CONDUIT TYPE CONDUIT SIZE NUMBER OF CONDUITS (NO NUMBER INDICATES ONE CONDUIT)
	MC CONDUIT, RIGID STEEL, UNDERGROUND
	PVC CONDUIT, POLYVINYL CHLORIDE, UNDERGROUND
	CONDUIT, FLEXIBLE
	CONDUIT, TURN UP
	CONDUIT, TURN DOWN
	CONDUIT SEAL, EXPLOSION-PROOF
	CONDUIT, EXPANSION JOINT
	ADAPTER, ONE TYPE CONDUIT TO ANOTHER
	O POLE

SYMBOL	DESCRIPTION
	OC OCCUPANCY SENSOR
	P OCCUPANCY SENSOR POWER PACK
	H HEAT DETECTOR
	S SMOKE DETECTOR
	P MANUAL PULL STATION
	AV AUDIO/VISUAL ALARM DEVICE
	G GLASS BREAK DISCRIMINATOR
	C MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
	C MAGNETIC CONTACT SWITCH-VEHICLE DOOR
	K KEYPAD FOR ALARM SYSTEM
	W COMBINATION DETECTOR (MICROWAVE/PASSIVE INFRARED)
	□ PULL BOX-LETTER INDICATES TYPE OF PULL BOX (E-ELECTRICAL, T-TELEPHONE, R-RADIO)
	□ (T) PULL BOX (TRAFFIC RATED)-LETTER INDICATES TYPE OF PULL BOX (E-ELECTRICAL, T-TELEPHONE, R-RADIO)
	CHLF COMBINATION HEAT, LIGHT AND FAN UNIT
	A SECTION/ELEVATION LETTER
	EE-2 SHEET NUMBER
	I DETAIL NUMBER
	EE-2 SHEET NUMBER

REMODEL WORK

SYMBOL	DESCRIPTION
	EXISTING FLUORESCENT FIXTURE-TO REMAIN
	EXISTING FLUORESCENT FIXTURE-REMOVE
	EXISTING INCANDESCENT FIXTURE-TO REMAIN
	EXISTING INCANDESCENT FIXTURE-REMOVE
	EXISTING OUTLET-TO REMAIN
	EXISTING RECEPTACLE OUTLET-TO REMAIN
	EXISTING RECEPTACLE OUTLET-REMOVE
	EXISTING CONDUIT AND CONDUCTORS-TO REMAIN UNLESS OTHERWISE NOTED
	EXISTING CONDUIT AND CONDUCTORS-REMOVE
	S EXISTING SWITCH-TO REMAIN
	X EXISTING SWITCH-REMOVE
	J EXISTING JUNCTION BOX-TO REMAIN
	X EXISTING JUNCTION BOX-REMOVE

STANDARD NOTES

	AB ABANDON, IF APPLIED TO CONDUIT, REMOVE CONDUCTORS.
	BC INSTALL PULL BOX IN EXISTING CONDUIT RUN.
	CB INSTALL CONDUIT INTO EXISTING PULL BOX.
	CC CONNECT NEW AND EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS AND INSTALL CONDUCTORS AS INDICATED.
	CF CONDUIT TO REMAIN FOR FUTURE USE. REMOVE CONDUCTORS, INSTALL PULL ROPE AND PLUG.
	FA REMOVE FOUNDATION ABOVE GRADE AND ABANDON FOUNDATION BELOW GRADE.
	RL RELOCATE EQUIPMENT.
	RLD RELOCATED EQUIPMENT.
	SC SPLICE NEW TO EXISTING CONDUCTORS.

STANDARD PLANS

DATED MAY, 2006
● ES-8
● ES-13A

GRAPHIC SYMBOLS FOR ELECTRICAL DIAGRAMS

SYMBOL	DESCRIPTION
	CIRCUIT BREAKER, SINGLE POLE
	CIRCUIT BREAKER, DOUBLE POLE
	CIRCUIT BREAKER, THREE POLE
	GFCI CIRCUIT BREAKER, WITH GROUND FAULT CIRCUIT INTERRUPTER
	CIRCUIT BREAKER, SINGLE POLE, SWITCHED NEUTRAL
	CONTACT, NORMALLY OPEN
	CONTACT, NORMALLY CLOSED
	CONTACT, NORMALLY CLOSED, TIME DELAY CLOSING ON DE-ENERGIZING
	CONTACT, NORMALLY OPEN, TIME DELAY OPENING ON DE-ENERGIZING
	CONTACT, NORMALLY OPEN, TIME DELAY CLOSING ON ENERGIZING
	CONTACT, NORMALLY CLOSED, TIME DELAY OPENING ON ENERGIZING
	CONTACT, SINGLE POLE DOUBLE-THROW
	OPERATING COIL
	LIQUID LEVEL ACTUATED SWITCH, NORMALLY CLOSED
	LIQUID LEVEL ACTUATED SWITCH, NORMALLY OPEN
	PRESSURE ACTUATED SWITCH, NORMALLY CLOSED
	PRESSURE ACTUATED SWITCH, NORMALLY OPEN
	FLOW ACTUATED SWITCH, NORMALLY CLOSED
	FLOW ACTUATED SWITCH, NORMALLY OPEN
	TEMPERATURE ACTUATED SWITCH, NORMALLY CLOSED
	TEMPERATURE ACTUATED SWITCH, NORMALLY OPEN
	LIMIT SWITCH, NORMALLY CLOSED
	LIMIT SWITCH, NORMALLY OPEN
	PUSHBUTTON SWITCH, NORMALLY CLOSED
	PUSHBUTTON SWITCH, NORMALLY OPEN
	SWITCH, SINGLE-POLE
	SWITCH, SINGLE-POLE, DOUBLE-THROW
	SWITCH, DOUBLE-POLE
	SWITCH, DOUBLE-POLE, DOUBLE-THROW
	SWITCH, SINGLE-POLE, 3-POSITION
	THERMAL OVERLOAD
	FUSE
	VARIABLE RESISTOR
	TRANSFORMER WINDING
	GROUNDING ELECTRODE
	ENCLOSURE BOND
	PILOT LIGHT (A=AMBER, G=GREEN, R=RED)
	G GENERATOR
	M MOTOR
	F FAN MOTOR

CALIFORNIA STATE FIRE MARSHAL APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: JOHN E. WOODS
Approval date: 02-03-10

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	36	47

REGISTERED ELECTRICAL ENGINEER DATE 9-23-10

1-31-11 PLANS APPROVAL DATE

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ABBREVIATIONS

A/C	AIR CONDITIONING UNIT
ACS	AIR COMPRESSOR STARTER
AI	ANALOG INPUT
AL	ALARM LIGHT
AO	ANALOG OUTPUT
AVC	AIR VOLUME CONTROLLER
BD	BUILDING DISCONNECT BREAKER
BRK	BREAKER
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CR	CONTROL RELAY
CSW	CURRENT SWITCH
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
DP	DUPLEX PLUG RECEPTACLE
(E)	EXISTING
EF	EXHAUST FAN
F	FUSE
FL	FAILURE LIGHT
FLA	FLASHER
FLEX	FLEXIBLE CONDUIT
FLS	FLOW SWITCH
FR	FAILURE RESET
FS	FLOAT SWITCH
G	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GRS	GALVANIZED RIGID STEEL
IR	INDUCTION RELAY
JB	JUNCTION BOX
L	LIGHT
LC	LIGHTING CONTACTOR
LCVMS	LANE CONTROL VARIABLE MESSAGE SIGN
LCP	LIGHTING CONTROL PANEL
LD	LIGHT DISCONNECT
LLC	LIQUID LEVEL CONTROLLER
LP	LIGHT PANEL
LS	LIGHT SWITCH
LT	LIGHT TRANSFORMER
LTO	LIGHT TRANSFORMER OVERLOAD
MB	MAIN BREAKER
MC	METALLIC CONDUIT
MCP	MOTOR CIRCUIT PROTECTOR
MCC	MOTOR CONTROL CENTER
MSB	MAIN SWITCHBOARD
MT	EMPTY CONDUIT
(N)	NEW
NSW	NEUTRAL SWITCHING BREAKER
OL	OVERLOAD
P	POLE
PB	PULL BOX
PB	PUSHBUTTON
PFR	PHASE FAILURE RELAY
PFRD	PHASE FAILURE RELAY DISCONNECT
PEC	PHOTOELECTRIC CELL
PEU	PHOTOELECTRIC UNIT
PL	PILOT LIGHT
PS	PRESSURE SWITCH
PTS	POWER TRANSFER SWITCH
PVC	POLYVINYL CHLORIDE
RES	RESISTOR
RTB	RADIO TERMINAL BOARD
S	STARTER COIL
SD	SERVICE DISCONNECT
SFR	SEAL FAILURE RELAY
SL	SUMP LIGHT
SPR	STANDBY POWER RECEPTACLE
SS	SELECTOR SWITCH
ST	STARTER
SV	SOLENOID VALVE
T	TRANSFORMER
TB	TERMINAL BLOCK
TC	TIME CLOCK
TDR	TIME DELAY RELAY
TM	TIME METER
TOT	TOTAL
TS	TIMER SWITCH
TSW	TEST SWITCH
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
VMS	VARIABLE MESSAGE SIGN
WP	WEATHERPROOF
WSMS	WEIGH STATION MESSAGE SIGN

PROJECT NOTES

- SEPARATE GROUNDED (NEUTRAL) CONDUCTOR SHALL BE USED FOR EACH 120-VOLT CIRCUIT.
- HOMERUNS TO PANELBOARDS SHALL BE INSTALLED AS SHOWN ON THE PLANS. HOMERUNS SHALL NOT BE COMBINED.
- A SINGLE INSULATED EQUIPMENT GROUNDING CONDUCTOR (SIZED AS REQUIRED) SHALL BE INSTALLED IN EACH CONDUIT RUN.

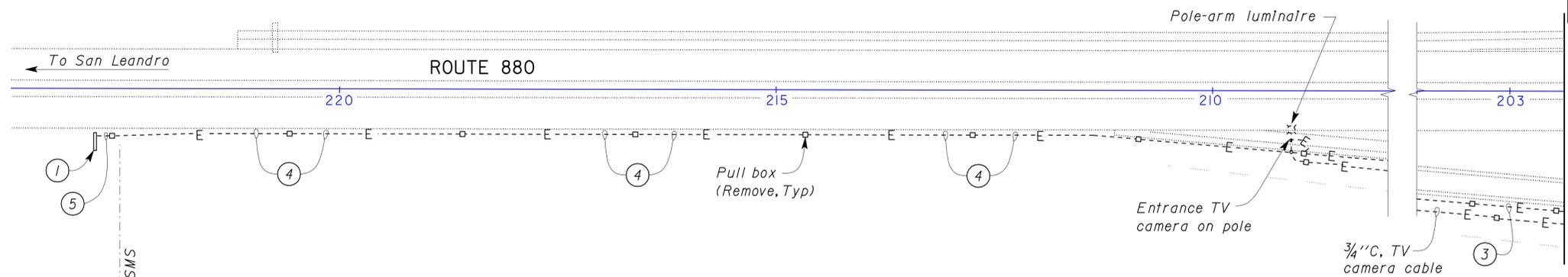
DESIGN BY <i>Beatrice Bindu</i> CHECKED <i>Mark Cheap</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 33W0003R/L	NIMITZ WEIGH STATION FACILITY REPAIR	SHEET EE-0	
DETAILS BY <i>Kathl Andreasen</i> CHECKED <i>Beatrice Bindu</i>		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE		LEGEND	OF
QUANTITIES BY <i>Beatrice Bindu</i> CHECKED <i>Mark Cheap</i>		UNIT 3597 PROJECT NUMBER & PHASE 04000009501	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET

TAEMWW Imperial Rev. 7/10 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 UNIT 3597 PROJECT NUMBER & PHASE 04000009501 DISREGARD PRINTS BEARING EARLIER REVISION DATES REVISION DATES (PRELIMINARY STAGE ONLY) SHEET OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	37	47

 REGISTERED ELECTRICAL ENGINEER No. E 17240 Exp. 6-30-12 ELEC STATE OF CALIFORNIA	9-23-10 DATE
1-31-11 PLANS APPROVAL DATE	
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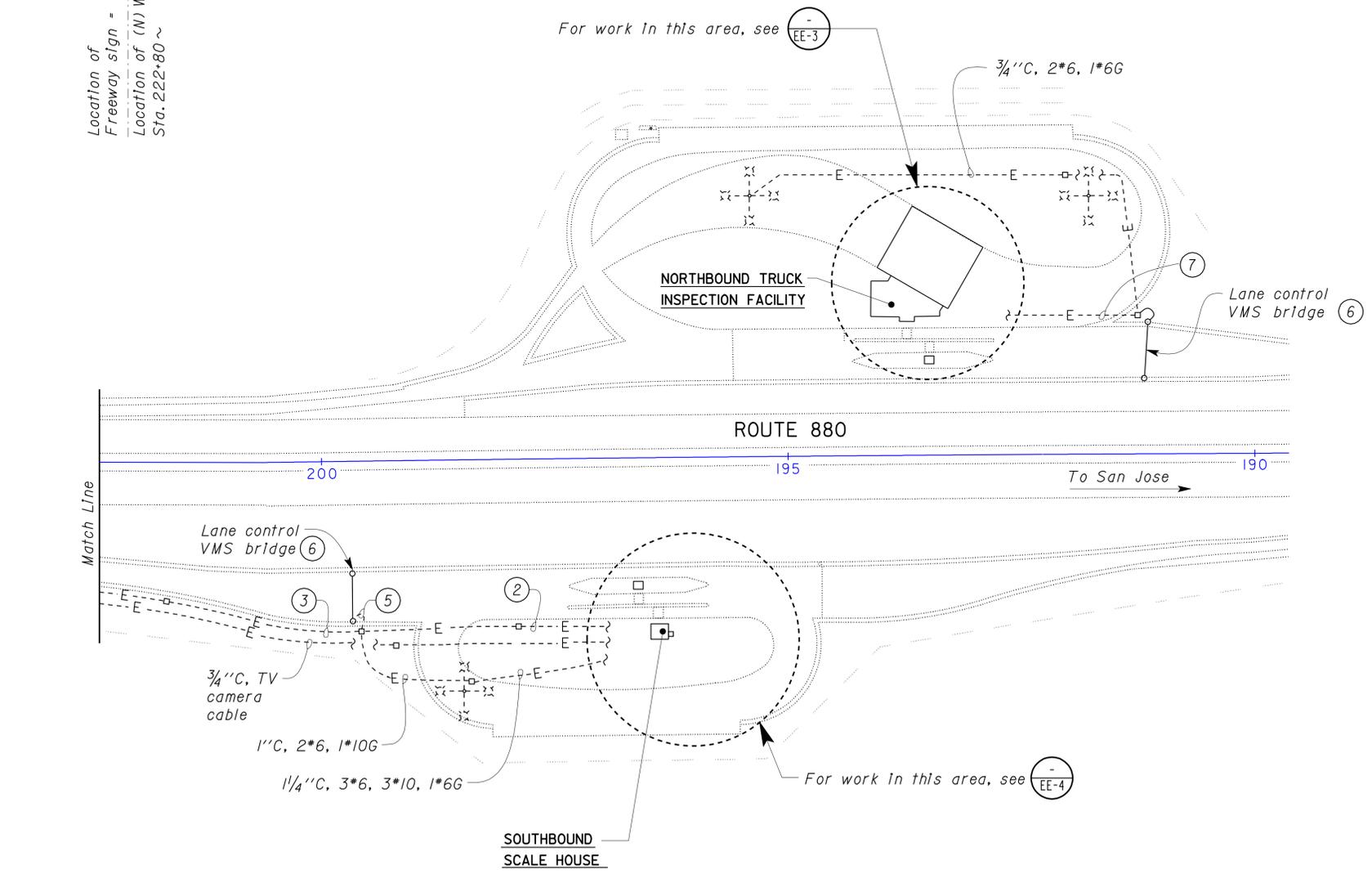
CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: 
 JOHN E WOODS
 Approval date: 02-03-10



Match Line

- General Notes:**
- A. Location of pull boxes are approximate only. Contractor shall field verify for exact location.
 - B. Not all existing conduits are shown.

- Notes:**
- ① Freeway WSMS message sign is 11'-9" x 3'-10", 7'-9" from the ground to the bottom of the sign, and is supported by two 6" x 8" wooden posts. Remove the sign and posts.
 - ② 2" C, 1" I, 3" x 2, 3" x 10 (To freeway sign), 2" x 10 (TV camera power), 9" x 10 (Lane control VMS), 1" I.G. Disconnect conductors to freeway sign and lane control CMS, at both ends, and mark them as "SPARE".
 - ③ 2" C, 1" I, 3" x 2, 3" x 10 (To freeway sign), 2" x 10 (TV camera power), 2" x 6 (Lighting), 1" I.G. Disconnect conductors to freeway sign and mark them as "SPARE".
 - ④ 1 1/2" C, 1" I, 3" x 2, 3" x 10 (To freeway sign). Remove conductors and abandon conduit.
 - ⑤ Remove conductors and exposed part of conduit. Abandon underground conduit.
 - ⑥ For work in this area, see sheets EE-5 and EE-6.
 - ⑦ 2" C, 1" I, 3" x 2, 3" x 10 (To freeway sign), 2" x 10 (TV camera power), 9" x 10 (Lane control VMS), 1" I.G. Disconnect conductors to lane control VMS, at both ends, and mark them as "SPARE".



Match Line

PLAN
 SCALE 1" = 80'-0"

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

DESIGN SUPERVISOR  DESIGN ENGINEER 	DESIGN BY <i>Beatrice Bindu</i> CHECKED <i>Mark Cheap</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 33W0003R/L	NIMITZ WEIGH STATION FACILITY REPAIR EXISTING SITE PLAN	SHEET EE-1 OF
	DETAILS BY <i>Andreasen / Bindu</i> CHECKED <i>Beatrice Bindu</i>			POST MILE		
QUANTITIES BY <i>Beatrice Bindu</i> CHECKED <i>Mark Cheap</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3597 04000009501	EA 3A5501	01-FEB-2011 07:51 ee_01.dgn		

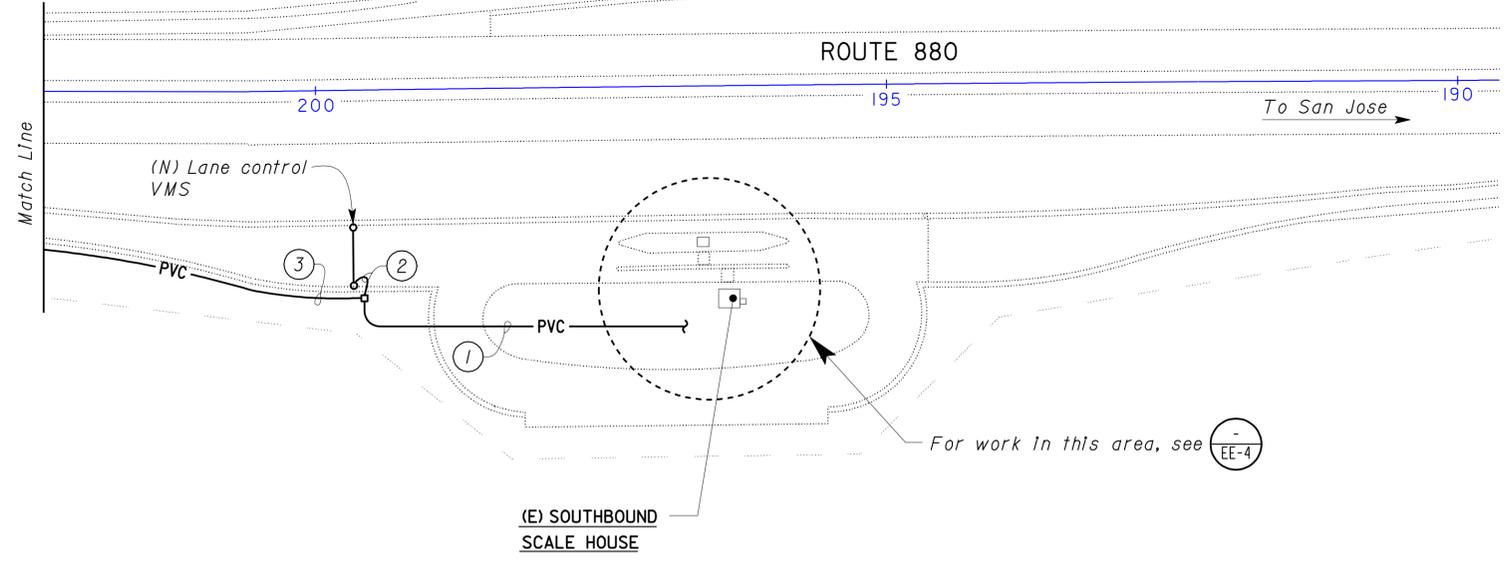
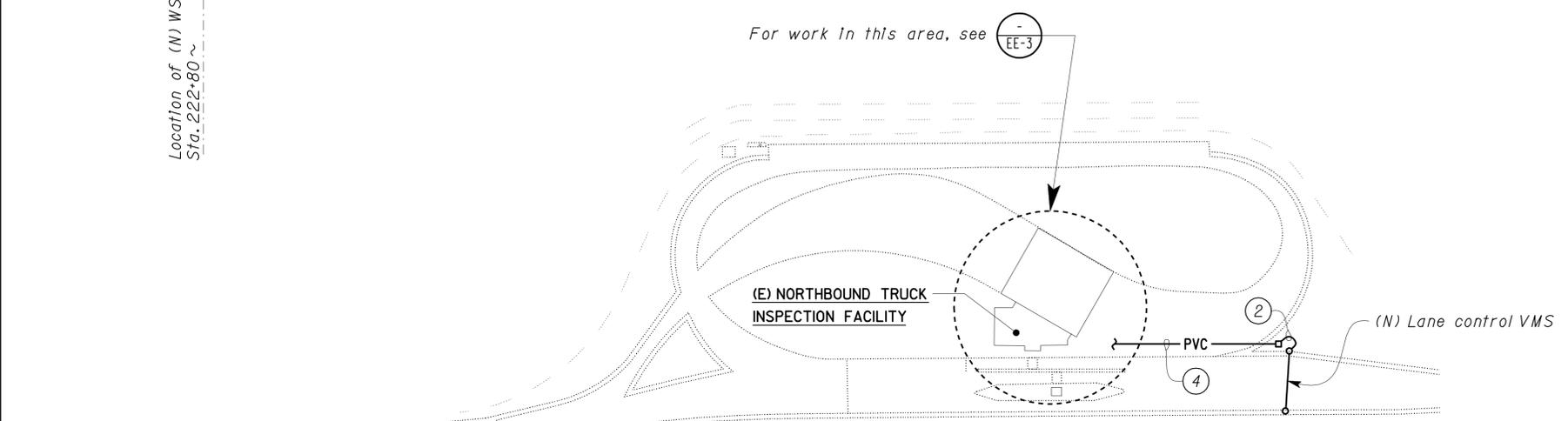
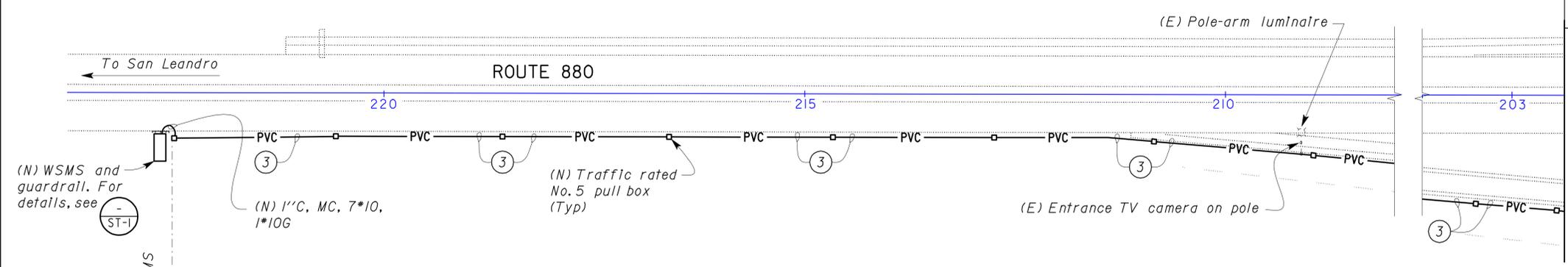
CALIFORNIA STATE FIRE MARSHAL
APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approvals subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: *John E Woods*
JOHN E WOODS
 REGISTERED ELECTRICAL ENGINEER
 Approval date: 02-03-10

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	38	47

<i>Beatrice Bindu</i>		9-23-10
REGISTERED ELECTRICAL ENGINEER	DATE	

1-31-11
PLANS APPROVAL DATE

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PLAN
 SCALE 1" = 80'-0"

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

DESIGN BY <i>Beatrice Bindu</i> CHECKED <i>Mark Cheap</i> DETAILS BY <i>Andreasen / Bindu</i> CHECKED <i>Beatrice Bindu</i> QUANTITIES BY <i>Beatrice Bindu</i> CHECKED <i>Mark Cheap</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 33W0003R/L POST MILE	NIMITZ WEIGH STATION FACILITY REPAIR MODIFIED SITE PLAN	SHEET EE-2
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3597 04000009501 EA 3A5501	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) 5/7/09 7/8/09 10/15/09 11/09/09 12/28/09 4/28/10 9/23/10	SHEET OF
	TAEMWW Imperial Rev. 7/10					

01-FEB-2011 07:15

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	39	47

<i>Beatrice Bindu</i>		9-23-10
REGISTERED ELECTRICAL ENGINEER	DATE	

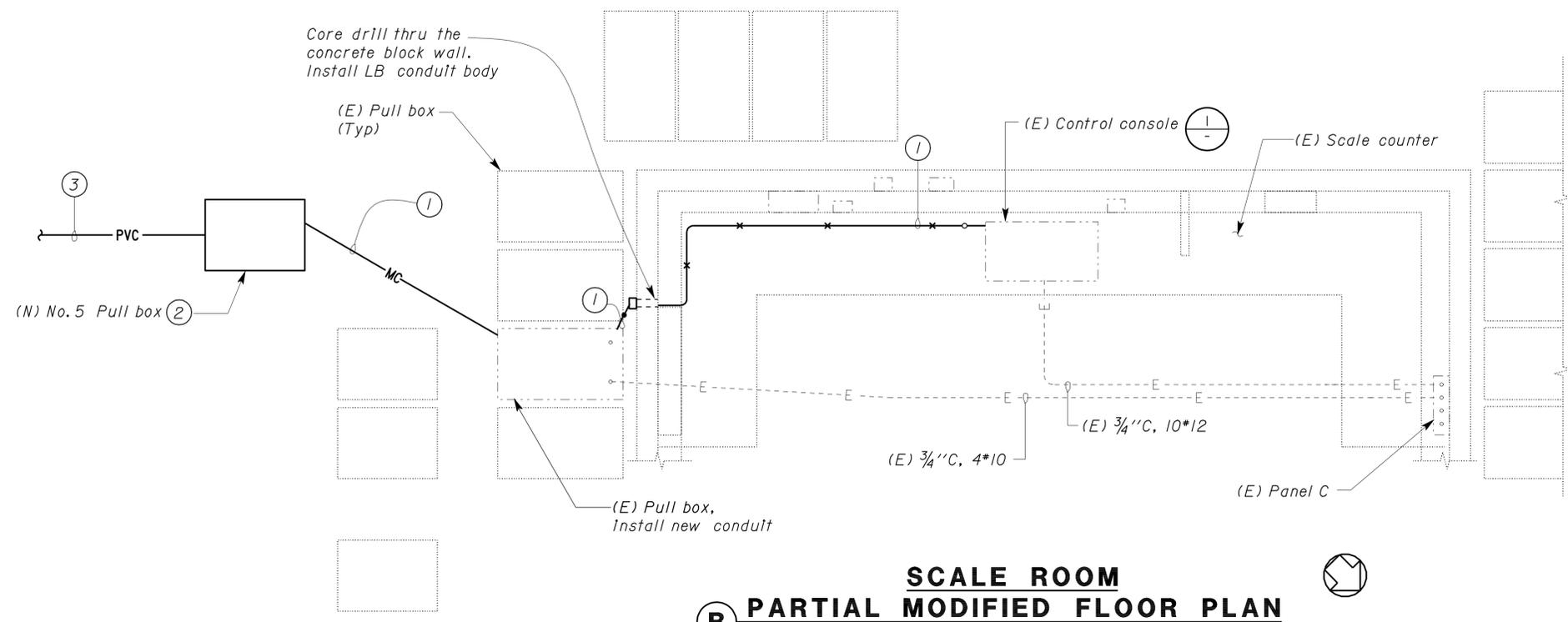
1-31-11
PLANS APPROVAL DATE

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CALIFORNIA STATE FIRE MARSHAL APPROVED

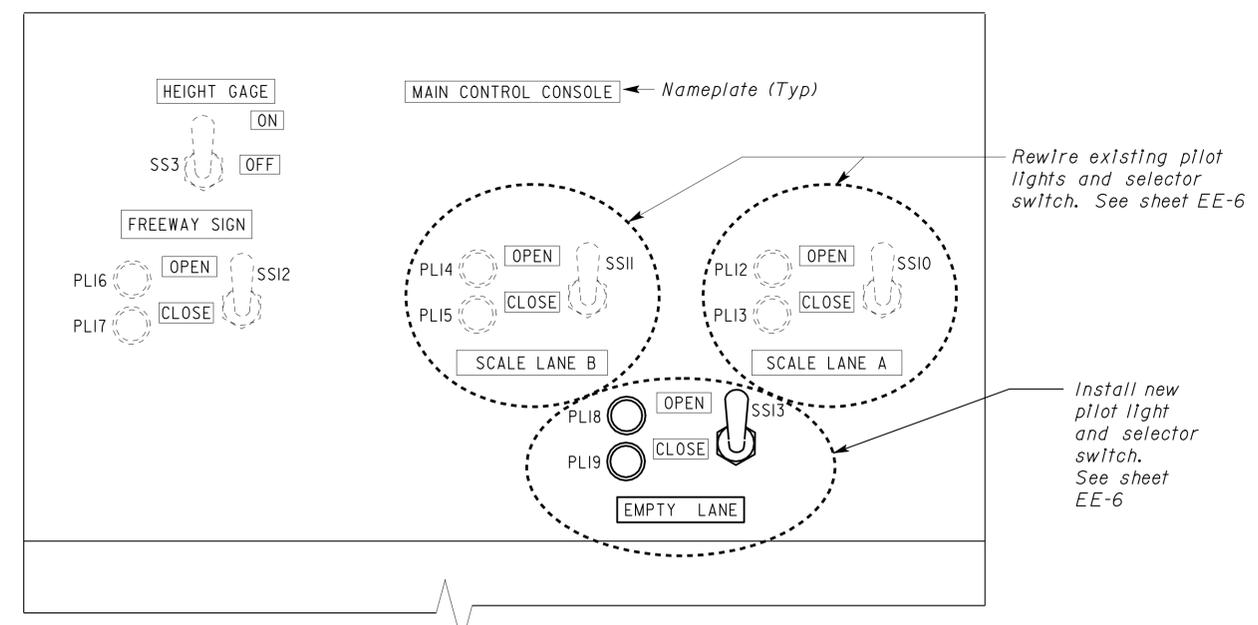
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: *John E Woods*
 Approval date: 02-03-10

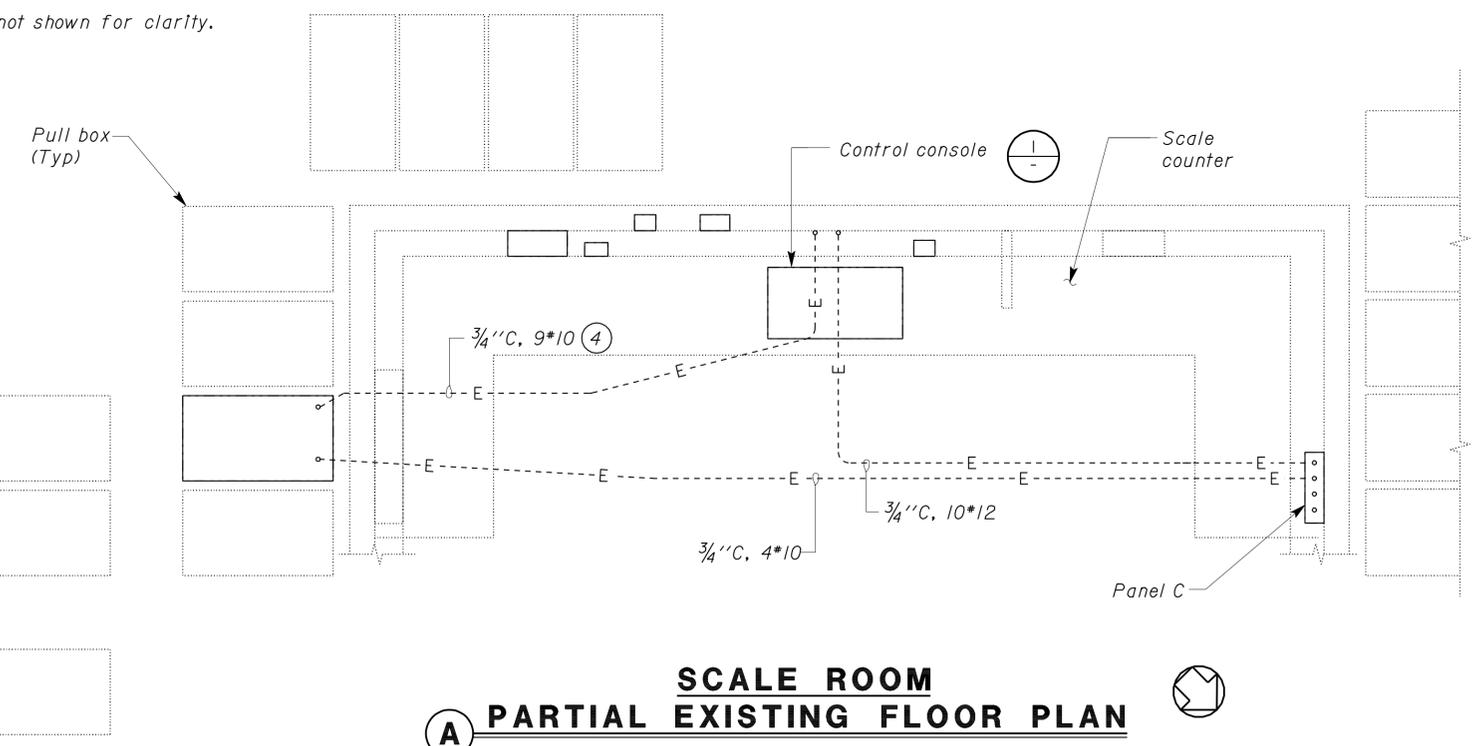


B SCALE ROOM PARTIAL MODIFIED FLOOR PLAN
 NO SCALE
 Note: All existing conduits are not shown for clarity.

- Notes:**
- 2" C, MC, 19*10, 1*10G.
 - Install 2" C, 19*10, 1*10G, in new pull box.
 - 2" C, 2*10, 1*10G (Power), 15*10 (Control), 2*10 (Spare), to new lane control VMS. For continuation see sheet EE-2.
 - Remove conductors to existing lane control VMS. Abandon underground conduit.



1 PARTIAL CONTROL CONSOLE-TOP VIEW
 NO SCALE
 Note: Not all equipment on the hinged door is shown for clarity.



A SCALE ROOM PARTIAL EXISTING FLOOR PLAN
 NO SCALE
 Note: All existing conduits are not shown for clarity.

DESIGN	BY <i>Beatrice Bindu</i>	CHECKED <i>Mark Cheap</i>
DETAILS	BY <i>Andreasen / Bindu</i>	CHECKED <i>Beatrice Bindu</i>
QUANTITIES	BY <i>Beatrice Bindu</i>	CHECKED <i>Mark Cheap</i>

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

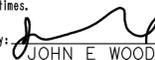
BRIDGE NO. 33W0003R/L
 POST MILE NORTHBOUND

NIMITZ WEIGH STATION FACILITY REPAIR
 EXISTING SCALE ROOM AND CONTROL CONSOLE

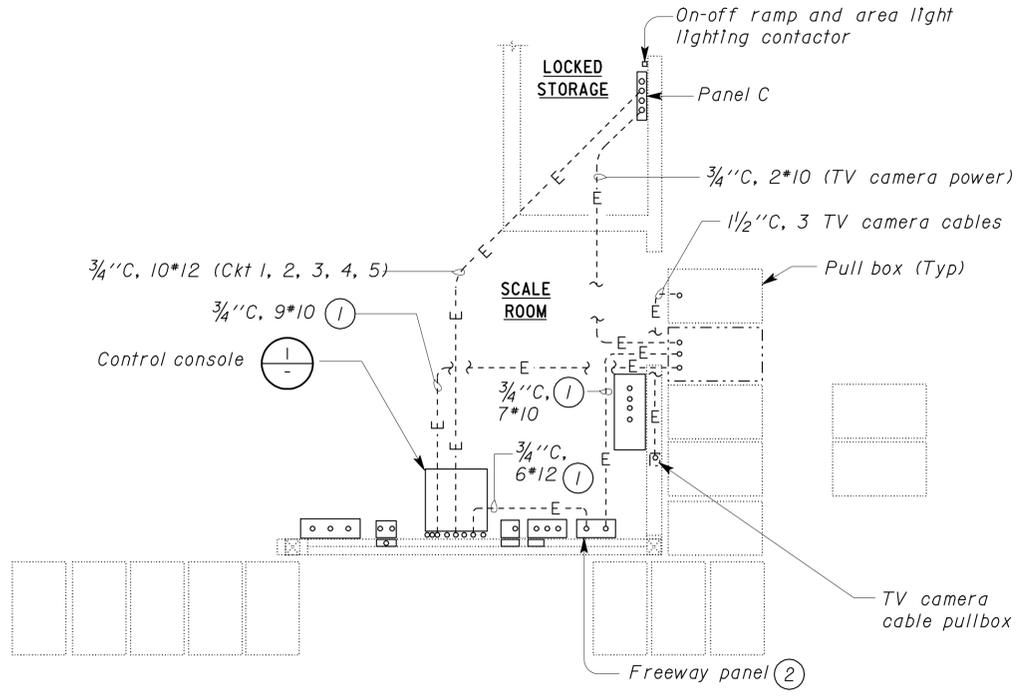
SHEET **EE-3**

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	40	47

 REGISTERED ELECTRICAL ENGINEER		9-23-10 DATE
1-31-11 PLANS APPROVAL DATE		

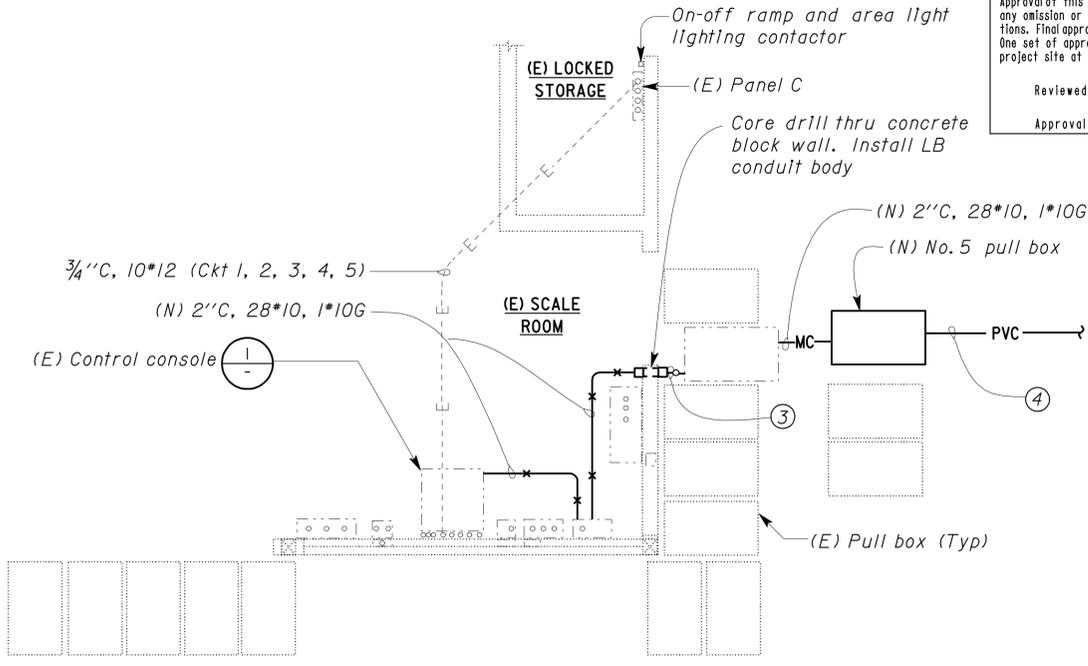
CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by:  Approval date: 02-03-10	
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REGISTERED PROFESSIONAL ENGINEER BEATRICE BINDU No. E 17240 Exp. 6-30-12 ELEC STATE OF CALIFORNIA	
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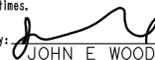
A SCALE ROOM PARTIAL EXISTING FLOOR PLAN

NO SCALE
 Note: All existing conduits are not shown for clarity.



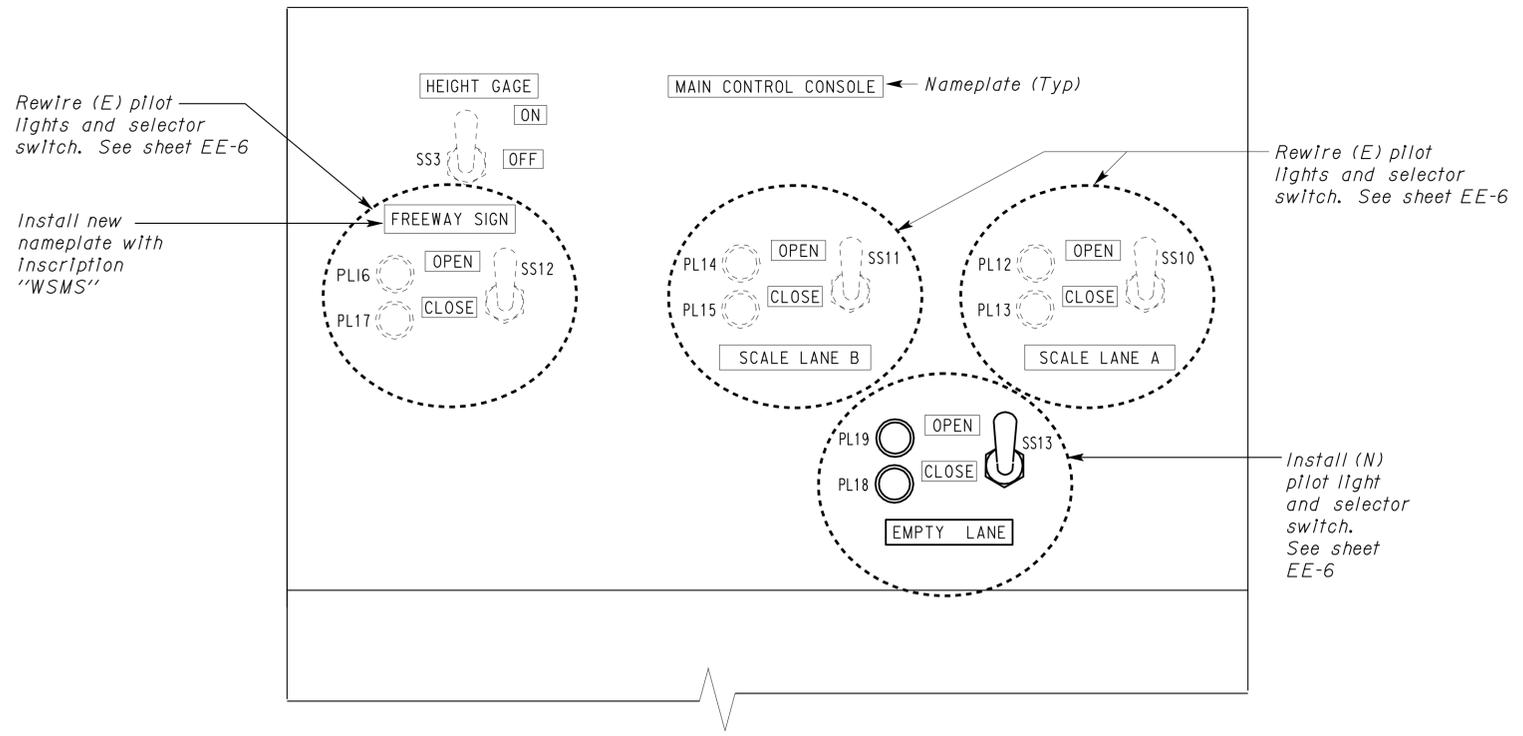
B SCALE ROOM PARTIAL MODIFIED FLOOR PLAN

NO SCALE
 Note: All existing conduits are not shown for clarity.

CALIFORNIA STATE FIRE MARSHAL
APPROVED
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 Reviewed by: 
 Approval date: 02-03-10

General Note:
 All equipment is existing, unless otherwise noted or shown in bold lineweight.

- Notes:**
- ① Remove conductors, abandon underground conduit.
 - ② Remove unused relays from the box.
 - ③ 2" C, 28*10, 1*10G.
 - ④ 2" C 2*6, 1*6G (Power), 5*10 (Control), 2*10 (Spare), to new WSMS. 1/2" C, 2*10, 2*10G (Power), 15*10 (Control), 2*10 (Spare), to new Lane Control VMS. For continuation see EE-2.



1 PARTIAL CONTROL CONSOLE-TOP VIEW

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

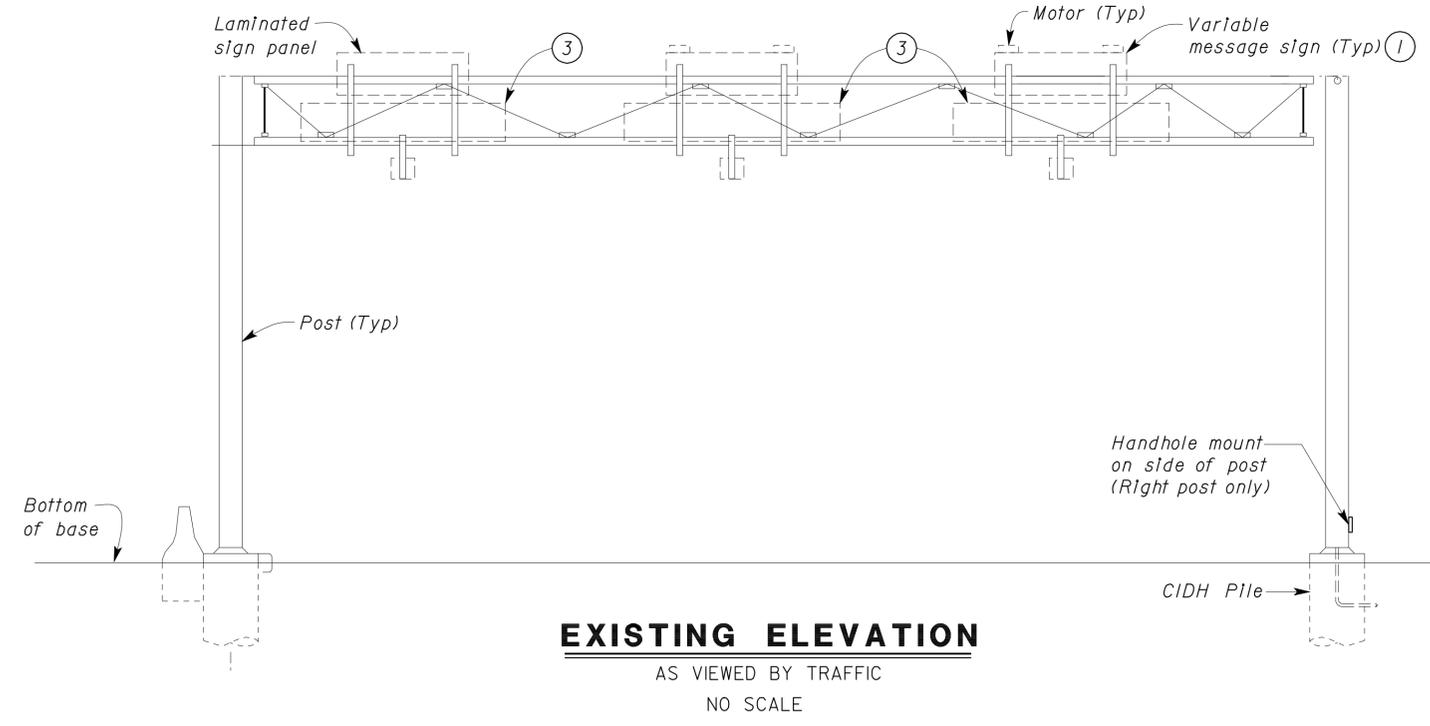
DESIGN BY <i>Beatrice Bindu</i> CHECKED <i>Mark Cheap</i> DETAILS BY <i>Andreasen / Bindu</i> CHECKED <i>Beatrice Bindu</i> QUANTITIES BY <i>Beatrice Bindu</i> CHECKED <i>Mark Cheap</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 33W0003R/L	NIMITZ WEIGH STATION FACILITY REPAIR		SHEET EE-4
			POST MILE SOUTHBOUND	EXISTING SCALE ROOM AND CONTROL CONSOLE		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3597 04000009501	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 10/19/09 10/21/09 11/09/09 12/29/09 4/28/10 9/23/10			SHEET OF

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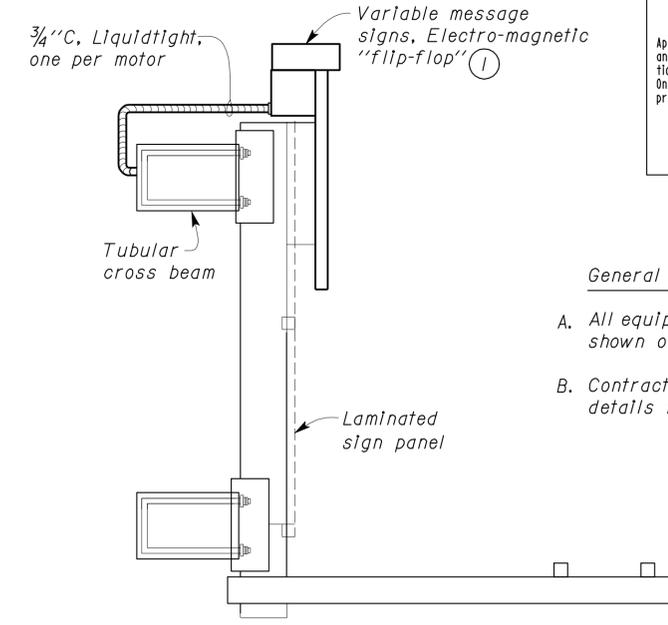
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	41	47

 REGISTERED ELECTRICAL ENGINEER		9-23-10 DATE
1-31-11 PLANS APPROVAL DATE		

CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approvals subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by:  JOHN E. WOODS Approval date: 02-03-10	
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EXISTING ELEVATION
AS VIEWED BY TRAFFIC
NO SCALE



TYPICAL MOUNTING BRACKET FOR LANES A AND B
NO SCALE

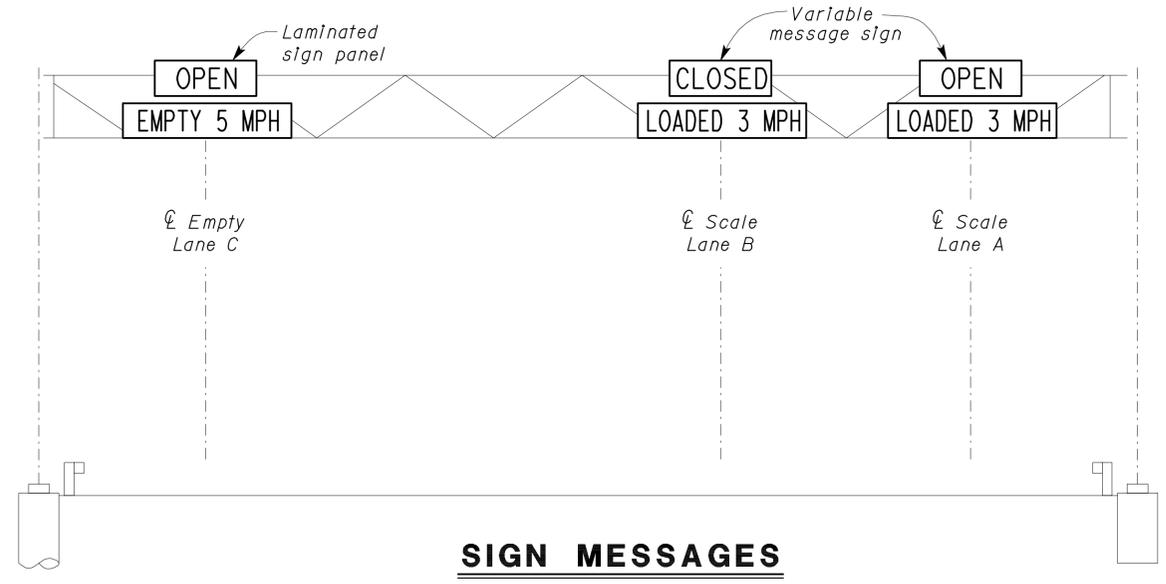
CALIFORNIA STATE FIRE MARSHAL APPROVED
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Reviewed by: 
JOHN E. WOODS
Approval date: 02-03-10

General Notes:

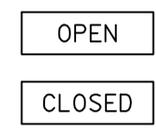
- A. All equipment is existing except where shown otherwise.
- B. Contractor shall field verify the existing mounting details before fabricating the new LCVMS.

Notes:

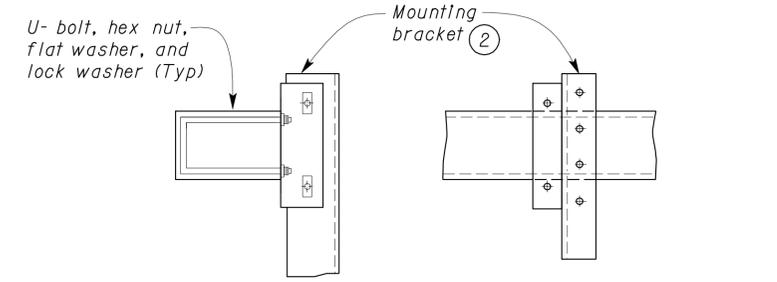
- ① Remove existing lane control CMS and install new fiberoptic Lane Control VMS (LCVMS).
- ② Contractor to verify and utilize the existing mounting detail for installing the new fiberoptic LCVMS.
- ③ Remove fluorescent light fixture and associated mounting hardware.



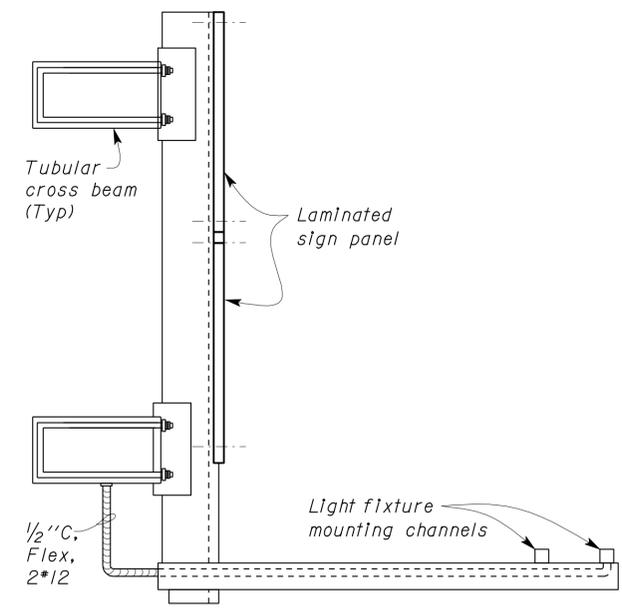
SIGN MESSAGES
NO SCALE



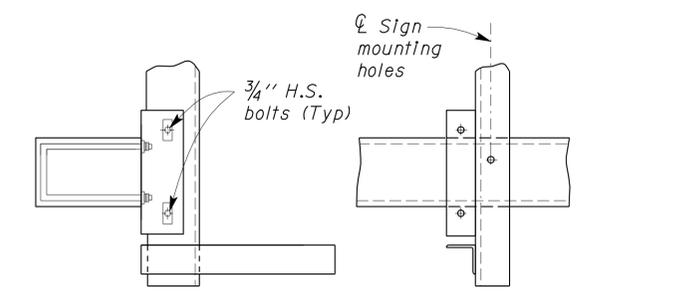
LANE CONTROL VARIABLE SIGN MESSAGE
NO SCALE



UPPER MOUNTING DETAILS
NO SCALE



MOUNTING BRACKET LANE C
NO SCALE



LOWER MOUNTING DETAILS
NO SCALE

DESIGN BY <i>Beatrice Bindu</i> CHECKED <i>Mark Cheap</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	NIMITZ WEIGH STATION FACILITY REPAIR		SHEET EE-5	
			33W0003R/L	LCVMS DETAILS NORTHBOUND AND SOUTHBOUND			
DETAILS BY <i>Andreasen / Bindu</i> CHECKED <i>Beatrice Bindu</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3597 04000009501	POST MILE	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF
QUANTITIES BY <i>Beatrice Bindu</i> CHECKED <i>Mark Cheap</i>			0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES	7/8/08	11/9/08	

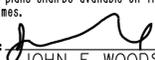
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Alameda	880	3.7/4.2	42	47

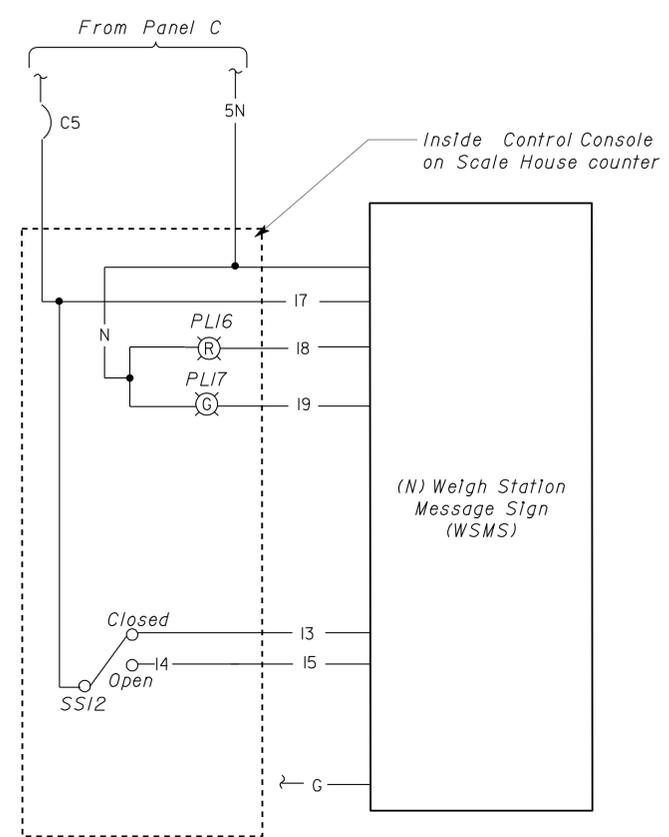
 REGISTERED ELECTRICAL ENGINEER		9-23-10 DATE
1-31-11 PLANS APPROVAL DATE		

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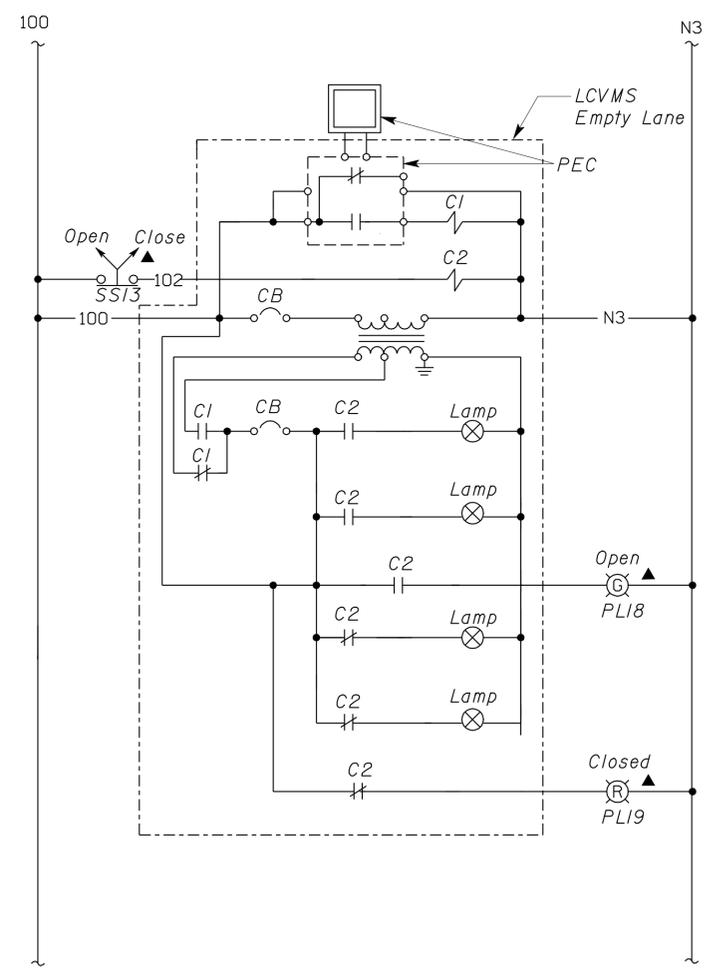
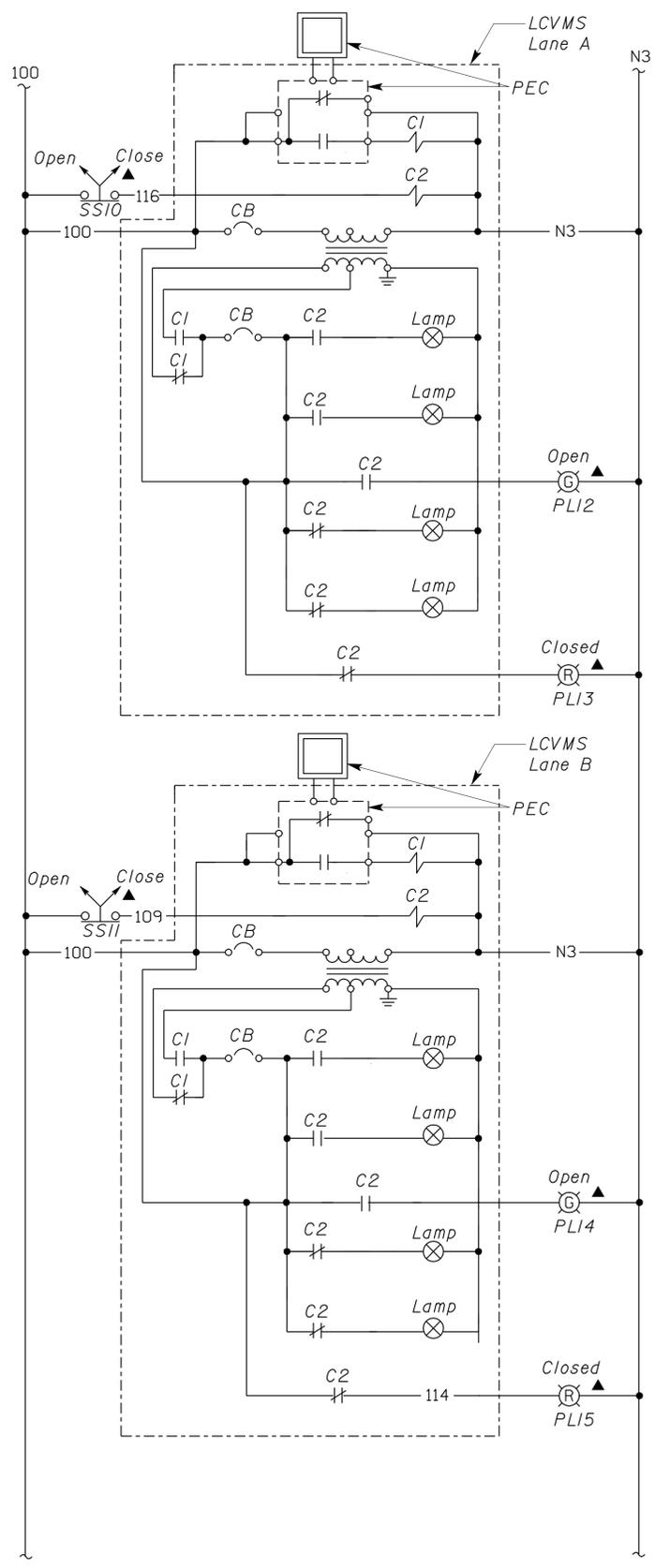
CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: 
 JOHN E. WOODS
 Approval date: 02-03-10



SOUTHBOUND WSMS CONTROL SCHEMATIC DIAGRAM



MODIFIED SCHEMATIC DIAGRAM VARIABLE MESSAGE SIGN

▲ Located Inside "Control Console" at Scale House

DESIGN BY <i>Beatrice Bindu</i> CHECKED <i>Mark Cheap</i> DETAILS BY <i>Andreasen / Bindu</i> CHECKED <i>Beatrice Bindu</i> QUANTITIES BY <i>Beatrice Bindu</i> CHECKED <i>Mark Cheap</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 33W0003R/L	NIMITZ WEIGH STATION FACILITY REPAIR	SHEET EE-6
			POST MILE		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT PROJECT NUMBER & PHASE 3597 04000009501	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 7/8/08 11/9/08 12/28/09 4/28/10 9/23/10	SHEET OF

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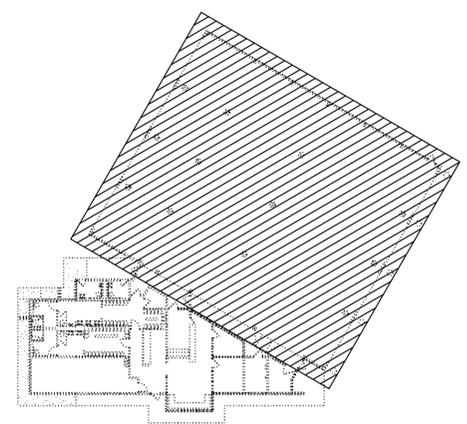
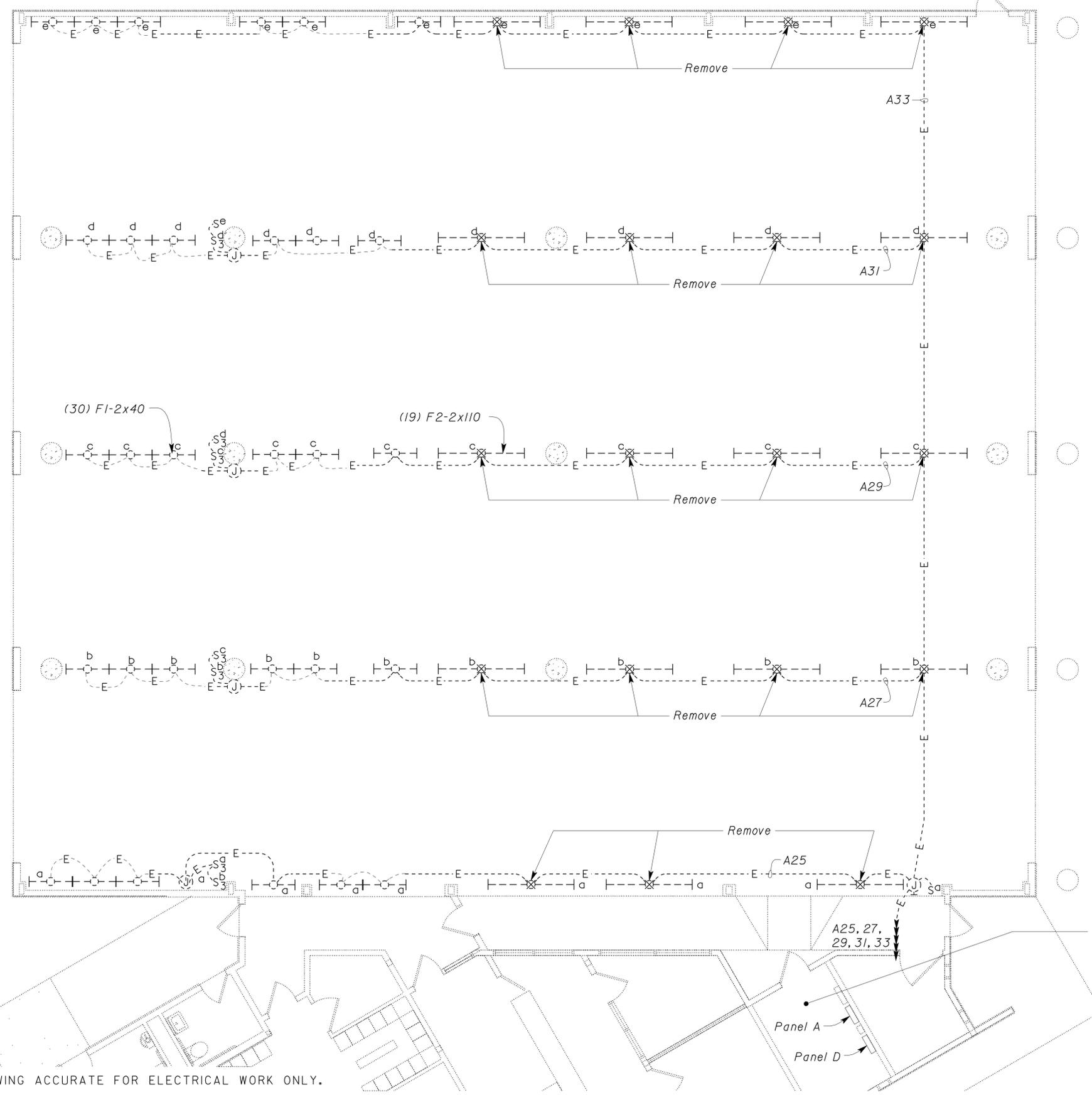
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	43	47

REGISTERED ELECTRICAL ENGINEER *Beatrice Bindu* DATE 9-23-10
 PLANS APPROVAL DATE 1-31-11

REGISTERED PROFESSIONAL ENGINEER
 BEATRICE BINDU
 No. E 17240
 Exp. 6-30-12
 ELEC
 STATE OF CALIFORNIA

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General Note:
 Not all existing equipment is shown.



PLAN
 SCALE 3/16" = 1'-0"

KEY PLAN

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

DESIGN	BY <i>Beatrice Bindu</i>	CHECKED <i>Mark Cheap</i>
DETAILS	BY <i>Kathl Andreasen</i>	CHECKED <i>Beatrice Bindu</i>
QUANTITIES	BY <i>Beatrice Bindu</i>	CHECKED <i>Mark Cheap</i>

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO. 33W0003R/L
 POST MILE NORTHBOUND INSPECTION AREA

NIMITZ WEIGH STATION FACILITY REPAIR
 EXISTING LIGHTING PLAN

SHEET **EE-7** OF

TAEMWW Imperial Rev. 7/10

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT PROJECT NUMBER & PHASE 3597 04000009501

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)					
5/7/09	11/4/09	12/28/09	4/28/10	9/23/10	

SHEET OF

01-FEB-2011 08:26 ee_07.dgn

**CALIFORNIA STATE FIRE MARSHAL
APPROVED**

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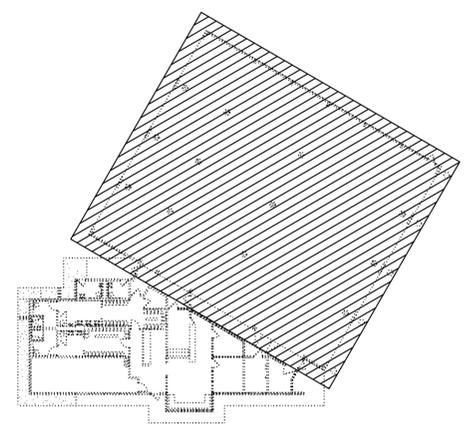
Reviewed by: *John E Woods*
 REGISTERED ELECTRICAL ENGINEER
 Approval date: 02-03-10

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	44	47

<i>Beatrice Bindu</i>	9-23-10
REGISTERED ELECTRICAL ENGINEER	DATE

1-31-11
 PLANS APPROVAL DATE

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KEY PLAN

PLAN
 SCALE 3/16" = 1'-0"

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

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DETAILS	BY <i>Kathl Andreasen</i>	CHECKED <i>Beatrice Bindu</i>
QUANTITIES	BY <i>Beatrice Bindu</i>	CHECKED <i>Mark Cheap</i>

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO. 33W0003R/L
 POST MILE

NORTHBOUND INSPECTION AREA

NIMITZ WEIGH STATION FACILITY REPAIR
 MODIFIED LIGHTING PLAN

SHEET **EE-8** OF

TAEMWW Imperial Rev. 7/10

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

UNIT PROJECT NUMBER & PHASE 3597 04000009501

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)			
11/7/09	4/28/10	9/23/10	

SHEET OF

01-FEB-2011 08:26 ee_08.dgn

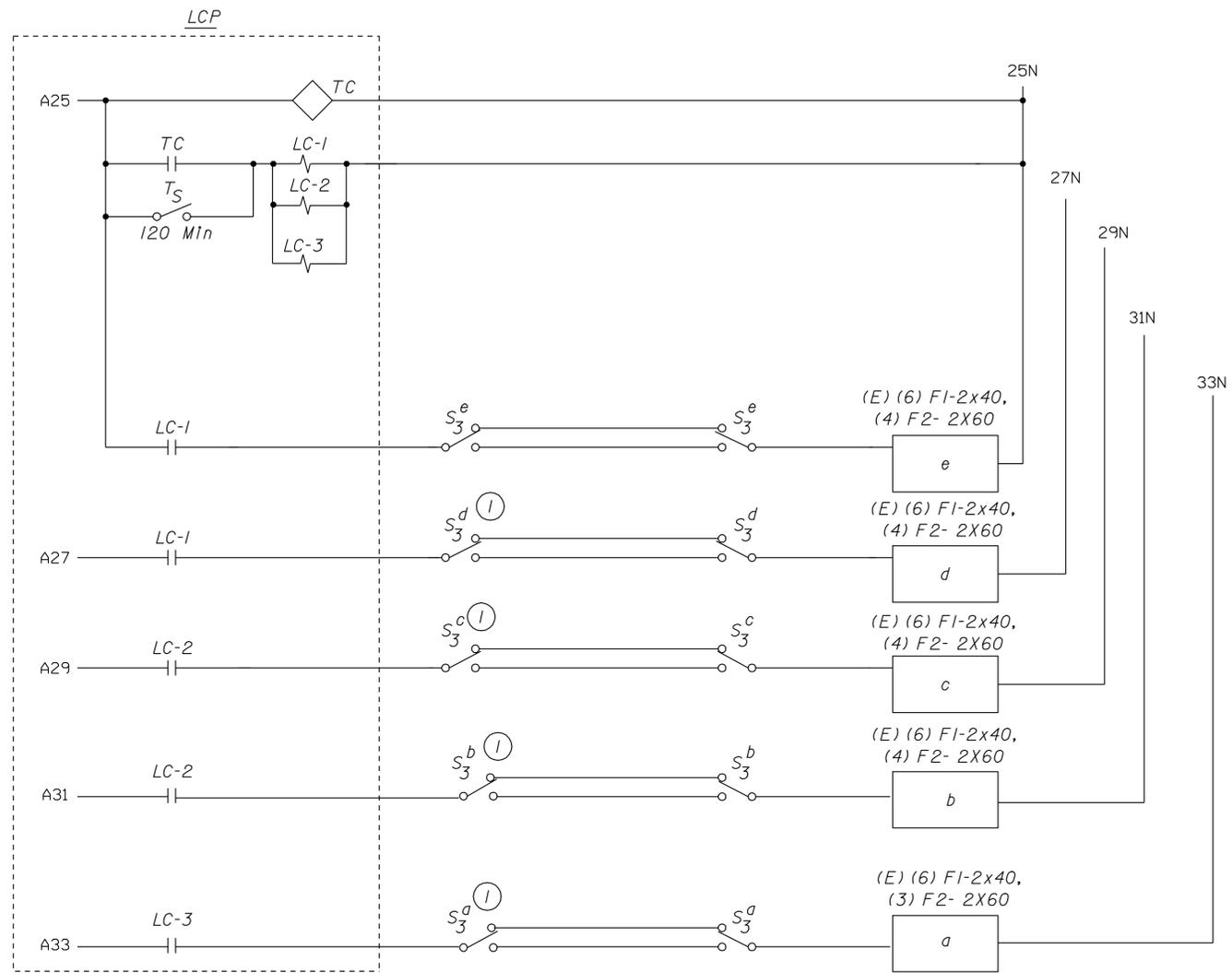
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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	45	47

<i>Beatrice Bindu</i> REGISTERED ELECTRICAL ENGINEER	9-23-10 DATE
---	-----------------

1-31-11 PLANS APPROVAL DATE

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1 LIGHTING CONTROL PANEL LCP

Note:

① Only one existing three-way switch is shown for clarity.

DESIGN	BY <i>Beatrice Bindu</i>	CHECKED <i>Mark Cheap</i>
DETAILS	BY <i>Kathl Andreasen</i>	CHECKED <i>Beatrice Bindu</i>
QUANTITIES	BY <i>Beatrice Bindu</i>	CHECKED <i>Mark Cheap</i>

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO.	33W0003R/L
POST MILE	

NIMITZ WEIGH STATION FACILITY REPAIR
NORTHBOUND INSPECTION AREA
LIGHTING DETAILS

SHEET **EE-9** OF

CERTIFICATE OF COMPLIANCE (Page 3 of 4) LTG-1C

Project Name: NIMITZ WEIGH STATION FACILITY REPAIR Date: 02/24/2010

INDOOR LIGHTING SCHEDULE and FIELD ENERGY CHECKLIST

Fill in controls for all spaces: a) area controls, b) multi-level controls, c) manual daylighting controls for daylight areas > 250 sq ft, automatic daylighting controls for daylight areas > 2,500 sq ft, d) shut-off controls, e) display lighting controls, f) tailored lighting controls-general lighting controlled separately from display, ornamental and display case lighting and g) demand responsive automatic controls for retail stores > 50,000 sq ft, in accordance with Section 131.

MANDATORY LIGHTING CONTROLS - FIELD INSPECTION ENERGY CHECKLIST				Field Inspector	
Type/Description	Number of Units	Location in Building	Special Features	Pass	Fail
TIME CLOCK	1	INSPECTION BAY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TIMER SWITCH	1	INSPECTION BAY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SPECIAL FEATURES INSPECTION CHECKLIST (See Page 2 of 4 of LTG-1C)

The local enforcement agency shall pay special attention to the items specified in the checklist. These items require special written justification and documentation, and special verification. The local enforcement agency determines the adequacy of the justification and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted.

Field Inspectors' Notes or Discrepancies:

CERTIFICATE OF COMPLIANCE (Page 4 of 4) LTG-1C

Project Name: NIMITZ WEIGH STATION FACILITY REPAIR Date: 02/24/2010

Conditioned and Unconditioned space Lighting must not be combined for compliance

Indoor Lighting Power for Conditioned Spaces		Indoor Lighting Power for Unconditioned Spaces	
Installed Lighting (from Conditioned LTG-1C Page 2)	Watts	Installed Lighting (from Unconditioned LTG-1C Page 2)	Watts
Lighting Control Credit Conditioned Spaces (from LTG-2C)	- N/A	Lighting Control Credit Unconditioned Spaces (from LTG-2C)	-
Adjusted Installed Lighting Power	= 4250	Adjusted Installed Lighting Power	=
Complies if Installed ≤ Allowed ↑		Complies if Installed ≤ Allowed ↑	
Allowed Lighting Power Conditioned Spaces (from LTG-3C)	7011	Allowed Lighting Power Unconditioned Spaces (from LTG-3C)	

Required Acceptance Tests

Designer:
This form is to be used by the designer and attached to the plans. Listed below is the acceptance test for the lighting system, LTG-2A. The designer is required to check the acceptance tests and list all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance. If all the lighting system or control of a certain type requires a test, list the different lighting and the number of systems. The NA7 Section in the Appendix of the Nonresidential Reference Appendices Manual describes the test. Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately. Forms can be grouped by type of Luminaire controlled.

Enforcement Agency:
System Acceptance. Before Occupancy Permit is granted for a newly constructed building or space or when ever new lighting system with controls is installed in the building or space shall be certified as meeting the Acceptance Requirements. The LTG-2A form is not considered a complete form and is not to be accepted by the enforcement agency unless the boxes are checked and/or filled and signed. In addition, a Certificate of Acceptance forms shall be submitted to the enforcement agency that certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of S 10-103 (b) of Title 24 Part 6. The field inspector must receive the properly filled out and signed forms before the building can receive final occupancy. A copy of the LTG-2A for each different lighting luminaire control(s) must be provided to the owner of the building for their records.

Luminaires Controlled			LTG-2A
Equipment Requiring Testing	Description	Number of Like Controls	Location
			Controls and Sensors and Automatic Daylighting Controls Acceptance <input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala	880	3.7/4.2	47	47

REGISTERED ELECTRICAL ENGINEER DATE 9-23-10

1-31-11 PLANS APPROVAL DATE

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