

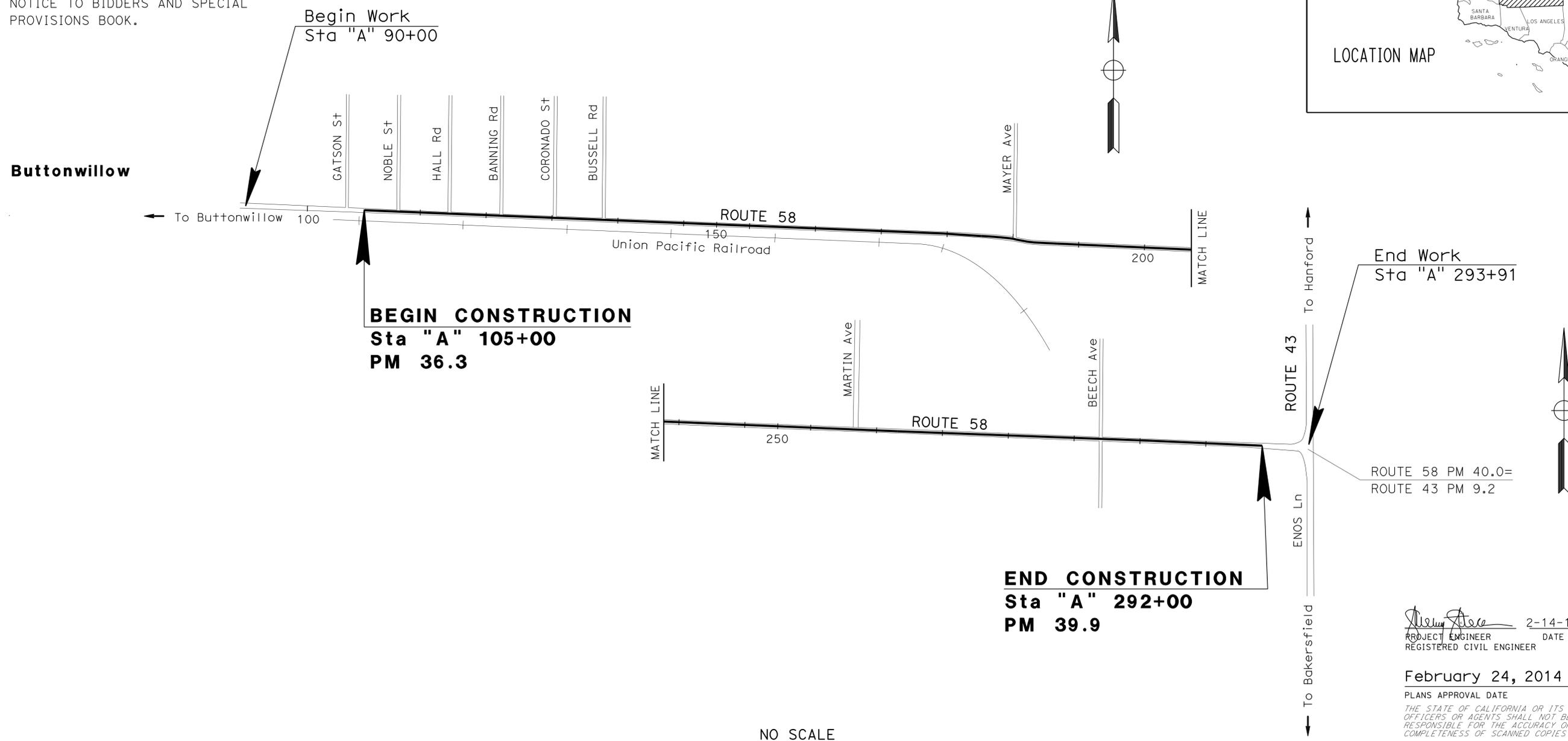
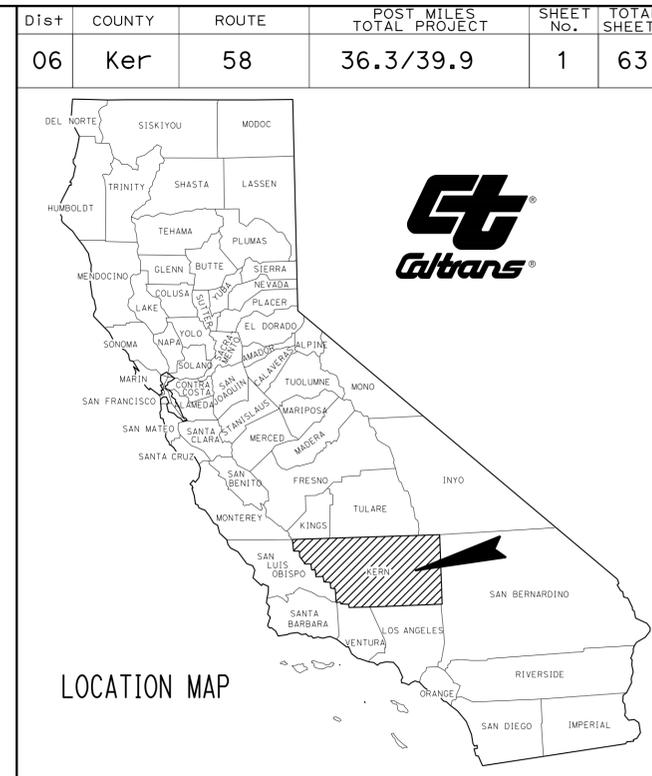
INDEX OF PLANS

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39-63	REVISED STANDARD PLANS

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

STATE OF CALIFORNIA **ACHSNHP-P058(118)E**
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN KERN COUNTY NEAR BUTTONWILLOW
FROM 0.1 MILE EAST OF GATSON STREET
TO 0.1 MILE WEST OF ROUTE 43

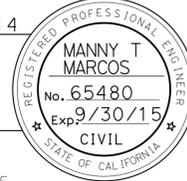
TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010



BEGIN CONSTRUCTION
Sta "A" 105+00
PM 36.3

END CONSTRUCTION
Sta "A" 292+00
PM 39.9

Manny T. Marcos 2-14-14
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER
February 24, 2014
 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.



1 REPLACED PER ADDENDUM No. 1 DATED JUNE 25, 2014

PROJECT MANAGER
MINVERVA RODRIGUEZ
 DESIGN ENGINEER
SHAHIN MANSOUR

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

DATE PLOTTED => 24-JUN-2014 TIME PLOTTED => 09:35

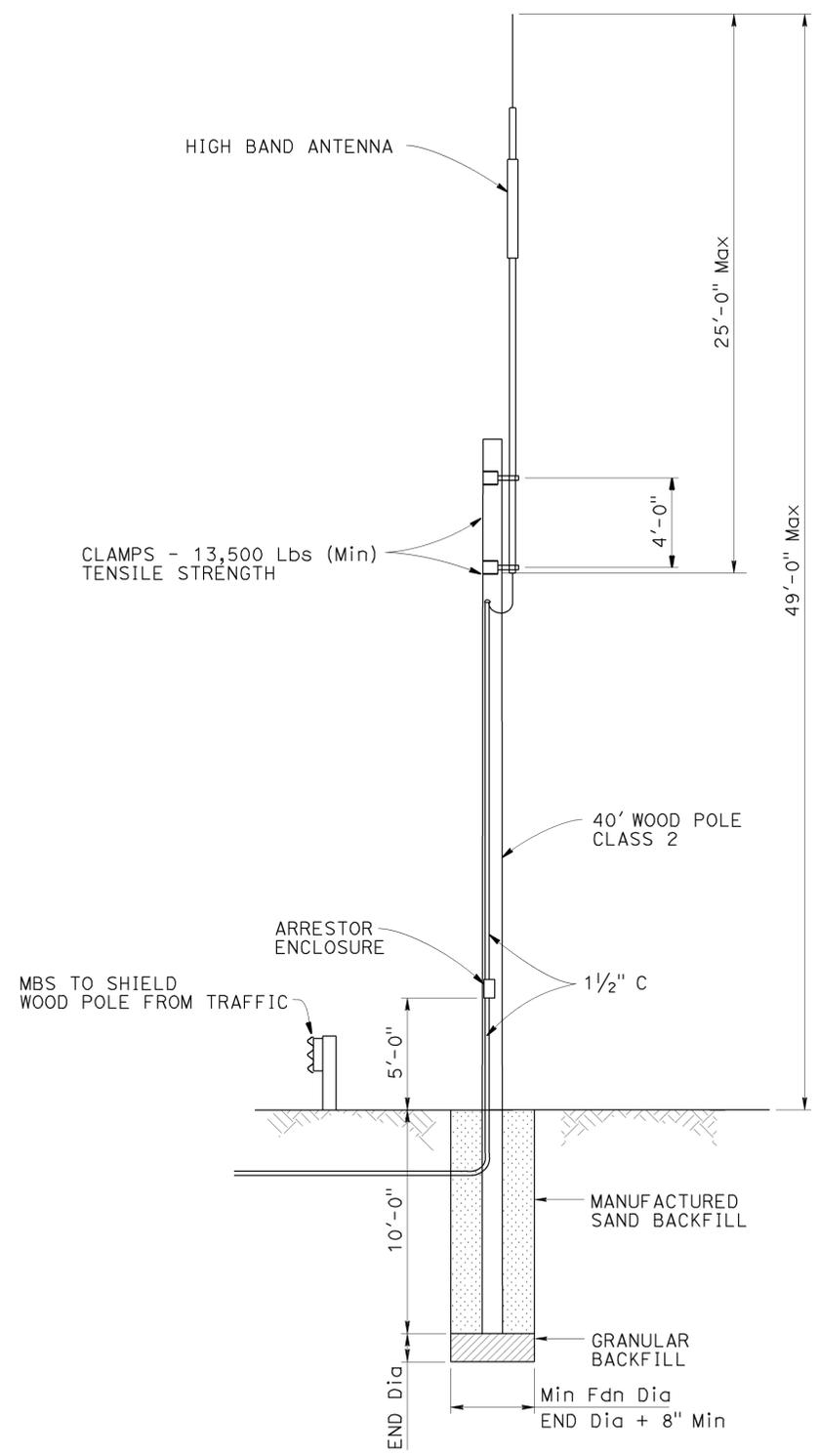
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Ker	58	36.3/39.9	38A	63

<i>Atman malak</i>	11-7-13
REGISTERED CIVIL ENGINEER	DATE
2-24-14	
PLANS APPROVAL DATE	

No. C73369 Exp 12-31-2014 CIVIL STATE OF CALIFORNIA
--

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



GENERAL NOTES:

SPECIFICATIONS

Design: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, Sixth Edition.

LOADING

Wind Loadings: 85 MPH

UNIT STRESSES

Timber Poles: Fb = 1850 Tapered treated round pole
 Fv = 110 psi ASTM D2899 Standard
 E = 1500 x 10³ psi

TREATMENT

To conform with Section 86 Standard Specifications

NOTES:

1. Foundation design is based on AASHTO 2013 Sixth Edition article 13.6 Broms' approximate procedure assuming a cohesionless material. The angle of internal friction used is 30° and unit weight of soil used is 120 lb/ft³. The contractor to verify actual soil condition.
2. The foundation shall be treated as level ground condition if the slope inclination is flatter than 4H:1V, otherwise it would be considered as a steep slope.
3. If pole is located on a steep slope add 2 feet extra for embedment.
4. All attachments shall be mounted with stainless steel straps or galvanized clamps and screws without drilling holes in the pole.
5. Wood pole shall be protected from traffic by means according to California Department of Transportation Highway Manual as required. See "Roadway Plans".
6. MBS is Midwest Guardrail System.

NOTE:
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

WOOD POLE SUPPORT FOR HIGH BAND ANTENNA

1 REPLACED PER ADDENDUM No. 1 DATED JUNE 25, 2014

NO SCALE

BRANCH CHIEF DAVID NEUMANN

DESIGN	BY A MALAK	CHECKED T MARCHENKO
DETAILS	BY H NGUYEN	CHECKED A MALAK
QUANTITIES	BY A MALAK	CHECKED T MARCHENKO

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 DESIGN AND TECHNICAL SERVICES
 SPECIAL DESIGNS BRANCH

BRIDGE NO.	N/A
POST MILE	36.3/39.9

WOOD POLE HIGHWAY ADVISORY RADIO SYSTEM

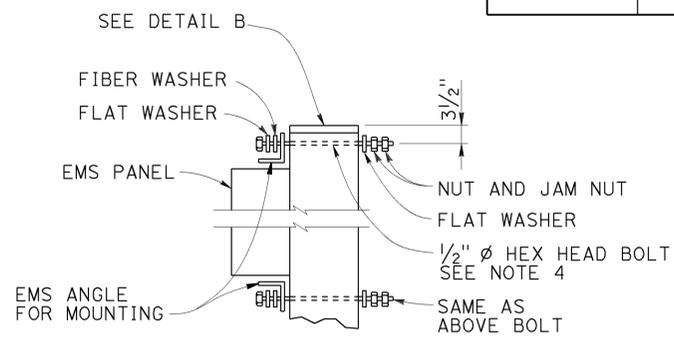
SES-1

USERNAME => s128478 DATE PLOTTED => 16-JUN-2014 TIME PLOTTED => 15:20

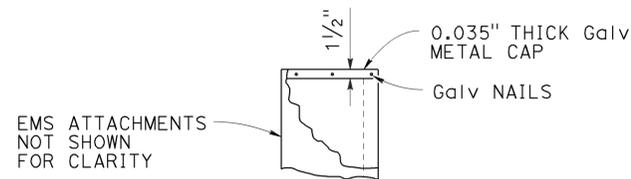
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Kern	58	36.3/39.9	38B	63

11-7-13
 REGISTERED CIVIL ENGINEER DATE
 2-24-14
 PLANS APPROVAL DATE
 No. C73369
 Exp 12-31-2014
 CIVIL
 STATE OF CALIFORNIA

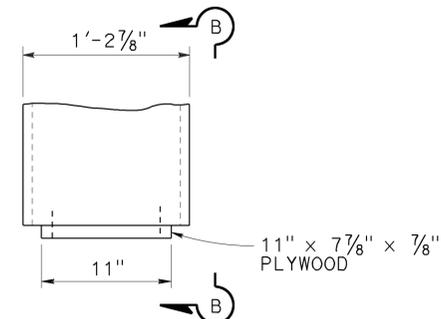
Location	EMS Panel Sta 266+40	Laminated Wood Box Post Type	Section Dimensions	Length, Ft		Weight, Lb		Breakaway System	Mounting Bolt Size
				Left	Right	Left	Right		
1	Roadside "Rt"	"L"	14 7/8" x 7 7/8"	18.50	21.25	315	360	Yes	1/2" φ
Total Wt = 675 lbs									



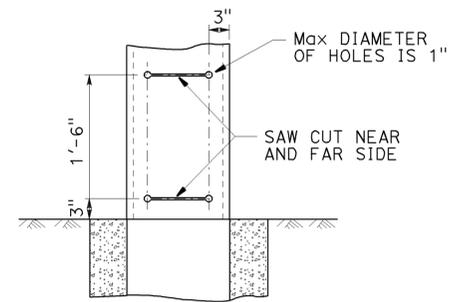
DETAIL A



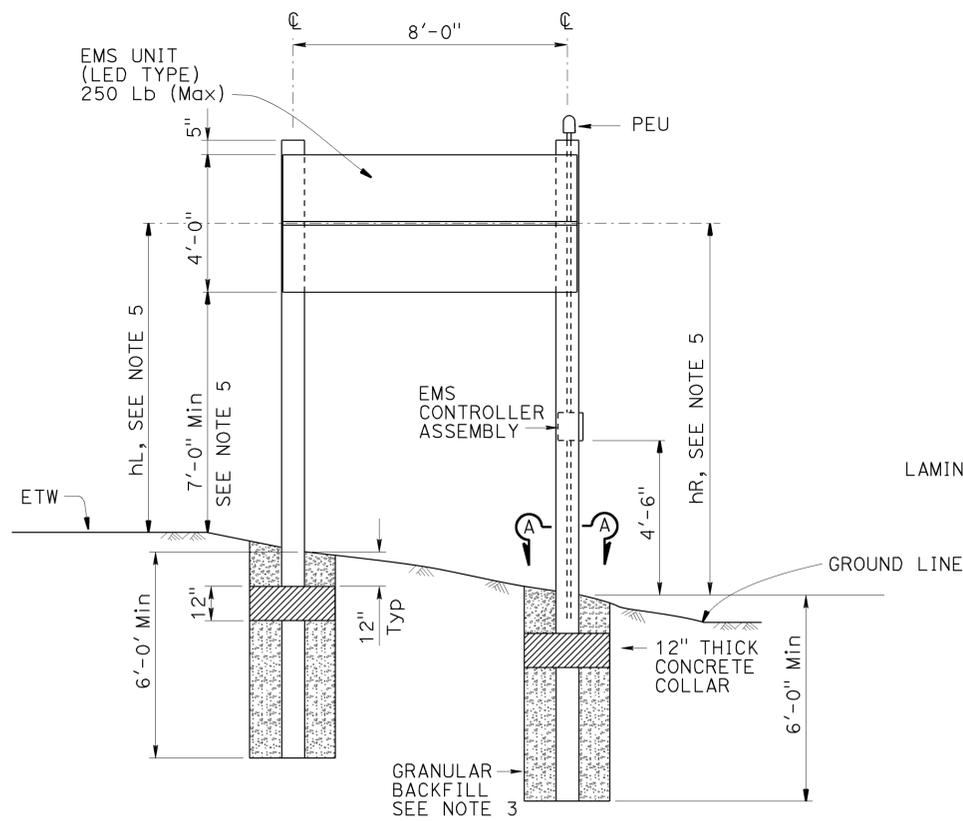
DETAIL B



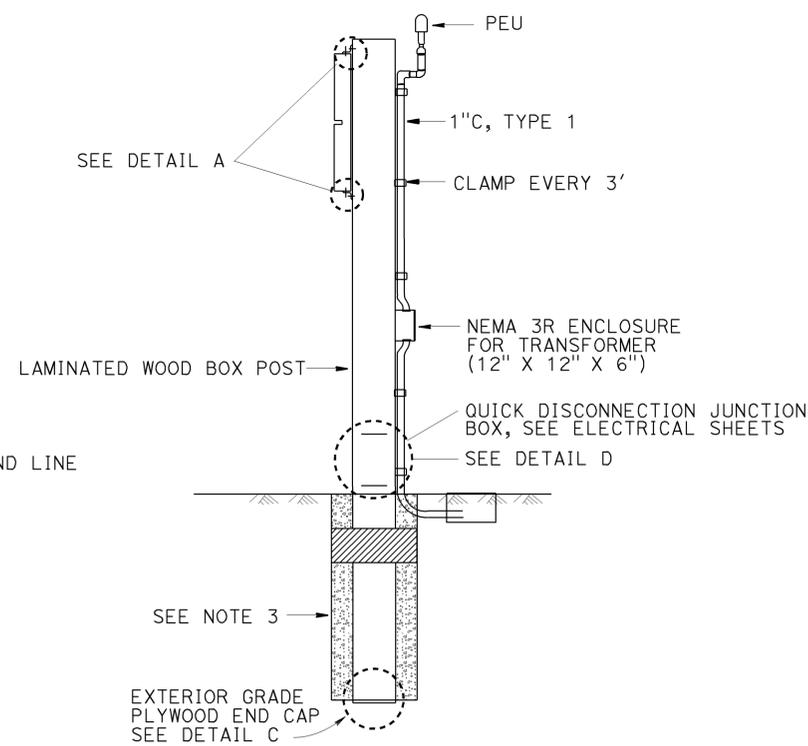
DETAIL C



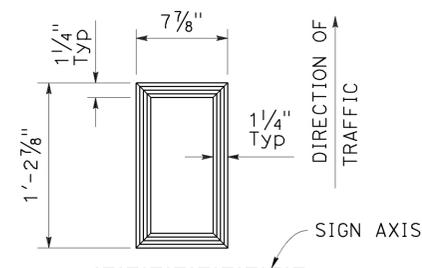
DETAIL D



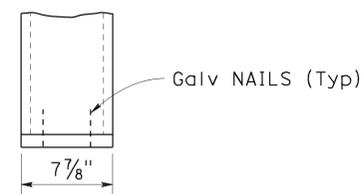
ELEVATION



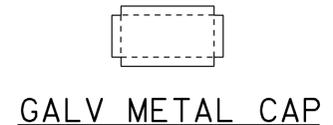
SIDE VIEW



SECTION A-A
TYPE "L"



SECTION B-B



GALV METAL CAP

GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, Sixth Edition.

NOTES:

1. For details not shown, see "2010 STANDARD PLANS".
2. For sign location see "PROJECT PLANS".
3. Diameter of post holes shall be at least 2'-6".
4. Refer to EMS manufacturer to verify bolt hole layout and length.
5. Design based on 1V:3H Max slope. Contractor to verify before post fabrication.

NOTE: THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



REPLACED PER ADDENDUM No. 1 DATED JUNE 25, 2014

NO SCALE

BRANCH CHIEF <u>DAVID NEUMANN</u>	DESIGN BY A MALAK	CHECKED T MARCHENKO	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES DESIGN AND TECHNICAL SERVICES SPECIAL DESIGNS BRANCH	BRIDGE NO. N/A	EMS ROADSIDE SIGN INSTALLATION & DETAILS	SES-2
	DETAILS BY H NGUYEN	CHECKED A MALAK			POST MILE 36.3/39.9		
	QUANTITIES BY A MALAK	CHECKED T MARCHENKO					