

INFORMATION HANDOUT

For Contract No. 10-0S7204

At 10-Ama-49-PM 4.0/7.0

Identified by

Project ID 1000020670

MATERIALS INFORMATION

Water Source Information

Alternative Flared Terminal System Details

10-0S7201

10-Ama-49-PM 4.0/7.0

Project ID 1000020670

Lao, Allen@DOT

From: Brandt Cook [bcook@amadorwater.org]
Sent: Friday, December 19, 2014 3:52 PM
To: Lao, Allen@DOT
Cc: Erik Christeson
Subject: RE: Water availability (Caltrans Paving Project 2015)
Attachments: RE: Caltrans - Request for Non-Potable Water or Potable Water Source for Upcoming Construction Projects

Allen,

AWA has both non-potable and potable water sources that may be available for any construction project on State Routes in Amador County. The awarded contractor would need to contact Amador Water Agency at (209) 223-3018 or visit the main office at 12800 Ridge Road, Sutter Creek, CA 95685 during working hours to fill out an application and obtain a hydrant meter.

I have attached the previous correspondence with Caltrans regarding this issue.

Sincerely,

Brandt Cook
Amador Water Agency
www.amadorwater.org (209) 223-3018
Direct: (209) 257-5206, Fax: (209) 257-5295
12800 Ridge Road, Sutter Creek, CA 95685

From: Lao, Allen@DOT [<mailto:allen.lao@dot.ca.gov>]
Sent: Friday, December 19, 2014 2:53 PM
To: Gene Mancebo
Cc: Pheng, Sinarath@DOT; Huerta, Jose A@DOT
Subject: Water availability (Caltrans Paving Project 2015)

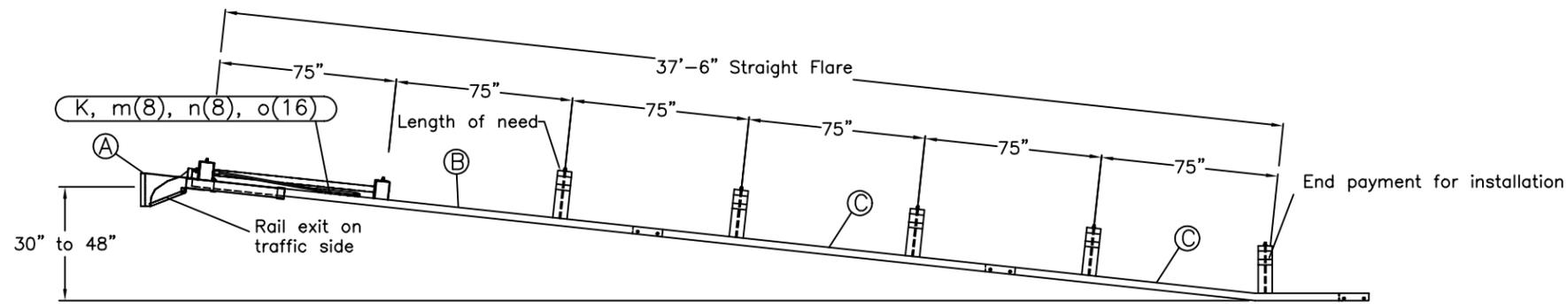
Hello Gene,

I have a paving project which will be starting construction during the summer/fall of 2015. The estimated time to complete this project is 50 working days. This project begins in Martell and ends in Jackson which will require approximately 205,000 gallons of water. I'm aware that the area is under mandatory restrictions and I'm requesting a water availability letter. Since our project requires over 100,000 gallons of water, Caltrans guidance requires the Contractor to use non-potable water. Please provide information whether there is non-potable water available.

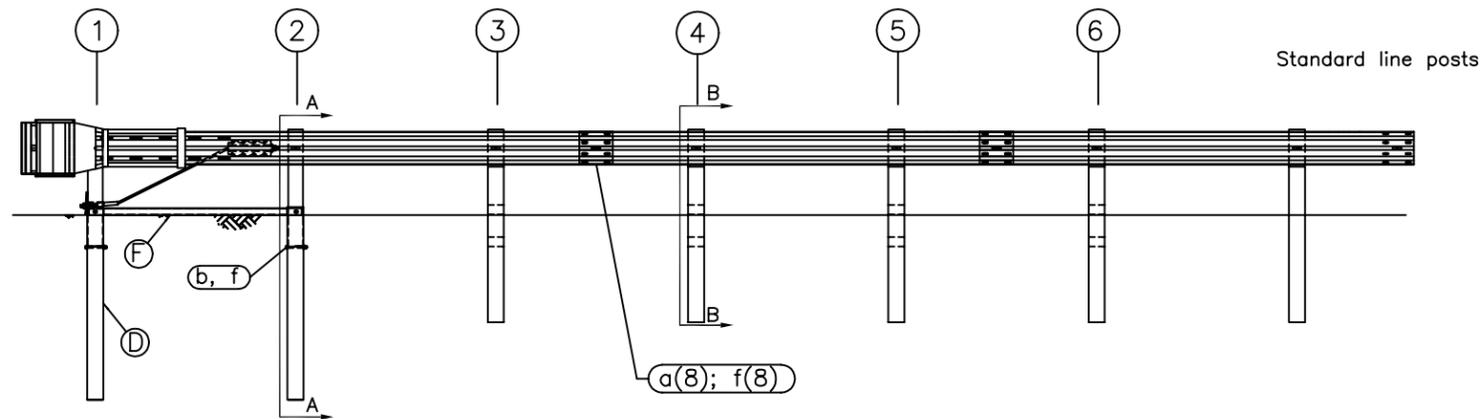
Thank you,

Allen Lao

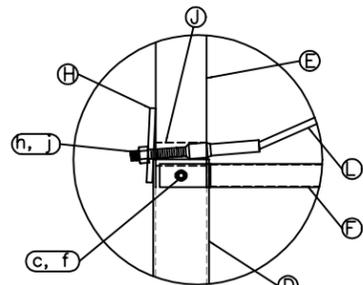
Project Engineer
Caltrans District 10
Design IV, Branch L
New # (209) 948-3888
New Location "Room 258"



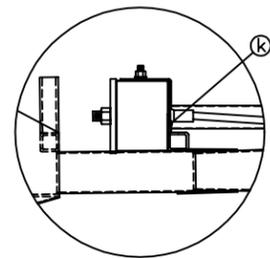
TRAFFIC → PLAN



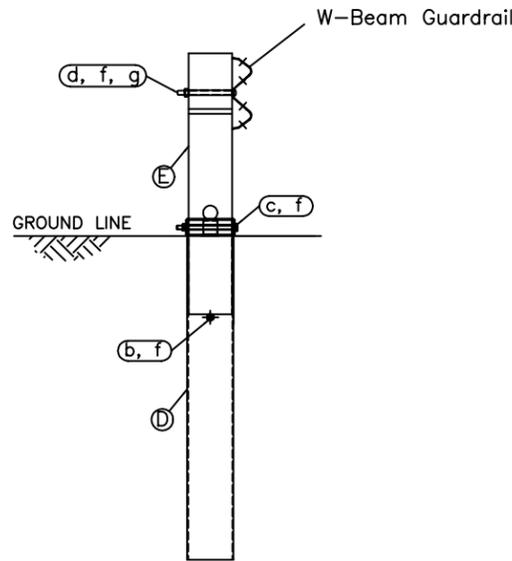
ELEVATION



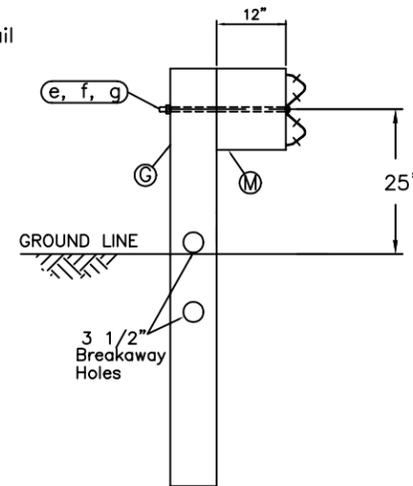
POST #1 CONNECTION DETAILS



IMPACT HEAD CONNECTION DETAIL



SECTION A-A
Post #2



SECTION B-B
Posts 3 thru 6

ITEM	QTY	BILL OF MATERIALS	ITEM NO.
A	1	IMPACT HEAD	F3000
B	1	W-BEAM GUARDRAIL END SECTION, 12 Ga.	F1303 MGS
C	2	W-BEAM GUARDRAIL, 12 Ga.	G1203 MGS
D	2	FOUNDATION TUBE	E731
E	2	BCT WOOD POST	P650 MGS
F	1	GROUND STRUT	E780
G	4	CRT WOOD POST	P671 MGS
H	1	BEARING PLATE	E750
J	1	PIPE SLEEVE	E740
K	1	CABLE ANCHOR BOX	S760
L	1	BCT CABLE ANCHOR ASSEMBLY	E770
M	4	MGS TIMBER BLOCKOUT OR RECYC. EQUIV.	P618
HARDWARE (ALL DIMENSIONS IN INCHES)			
a	16	5/8 ϕ x 1 1/4 SPLICE BOLT	B580122
b	2	5/8 ϕ x 7 1/2 HEX BOLT	B580754
c	2	5/8 ϕ x 10 HEX BOLT	B581004
d	1	5/8 ϕ x 10 H.G.R. BOLT	B581002
e	4	5/8 ϕ x 22 H.G.R. BOLT	B582202
f	25	5/8 ϕ H.G.R. NUT	N050
g	5	H.G.R. WASHER	W050
h	1	ANCHOR CABLE HEX NUT	N100
j	2	ANCHOR CABLE WASHER	W100
k	2	3/8 x 3 LAG SCREW	E350
m	8	CABLE ANCHOR BOX SHOULDER BOLT	SB58A
n	8	1/2 A325 STRUCTURAL NUT	N055A
o	16	1 1/16 OD x 9/16 ID A325 STR. WASHER	W050A

GENERAL NOTES:

- Breakaway posts are required with the FLEAT.
- All bolts, nuts, cable assemblies, cable anchors and bearing plates shall be galvanized.
- The foundation tubes shall not protrude more than 4 in above the ground (measured along a 5' cord). Site grading may be necessary to meet this requirement.
- When rock is encountered, a 12" ϕ post hole, 20 in into the rock surface may be used if approved by the engineer. Granular material will be placed in the bottom of the hole, approximately 2.5" deep to provide drainage. The first two posts can be field cut to length, placed in the hole and backfilled with adequately compacted material excavated from the hole.
- The breakaway cable assembly must be taut. A locking device (vice grips or channel lock pliers) should be used to prevent the cable from twisting when tightening nuts.
- The soil tubes may be driven with an approved driving head. They shall not be driven with the post in the tube.
- The wood blockouts should be "toe-nailed" to the rectangular wood posts to prevent them from turning when the wood shrinks.



Road Systems, Inc.

Big Spring, TX
Phone: 432-263-2435
or Phone: 330-346-0721

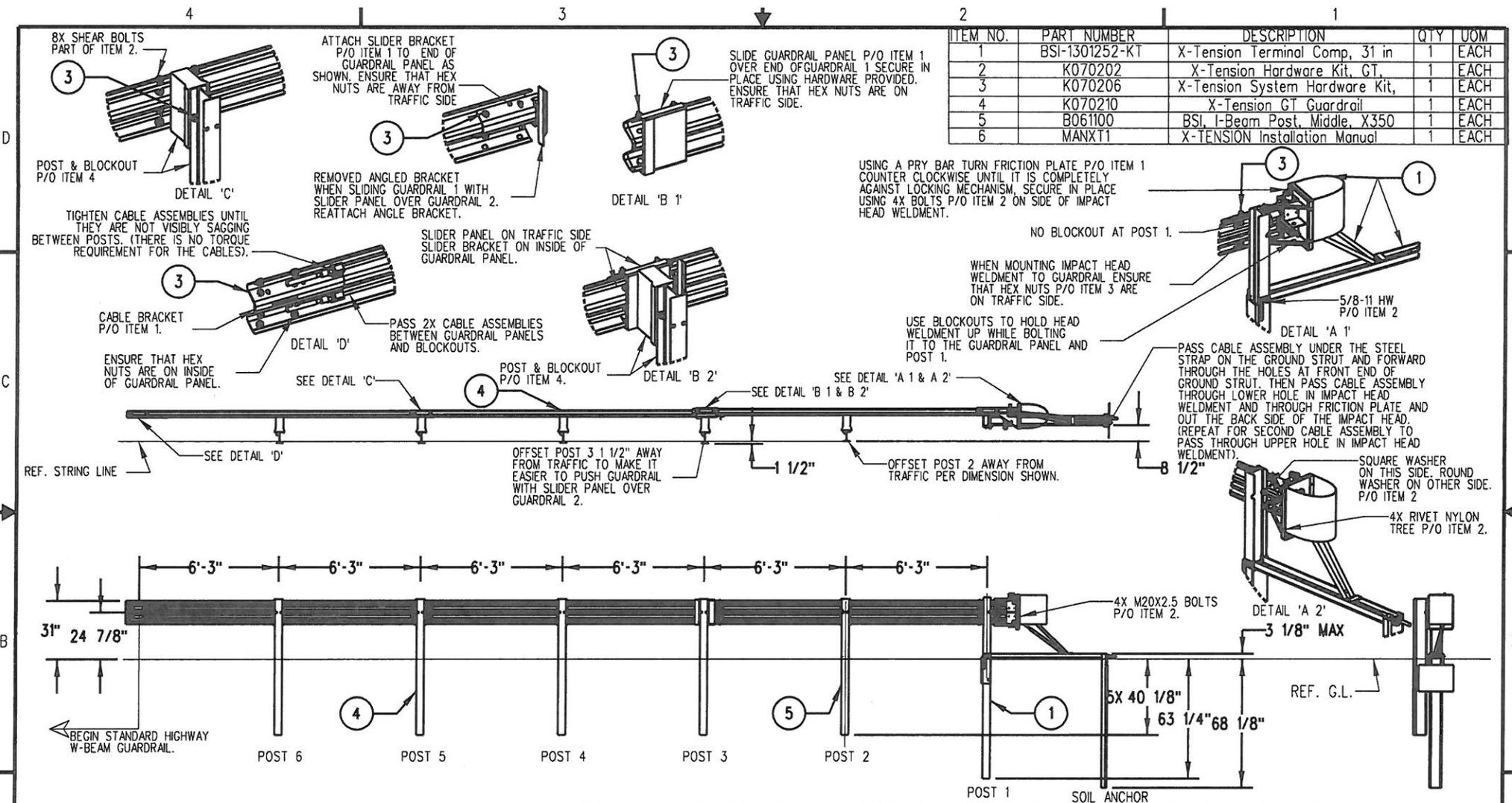
Flared Energy Absorbing
Terminal - FLEAT Assembly
Midwest Guardrail System

Wood Post System

Drawing Name:
FLT-MGS-W-US

Scale:
None

Sheet:
A1
Date:
12/01/2004
By:
JRR
Rev:
0



ITEM NO.	PART NUMBER	DESCRIPTION	QTY	UOM
1	BSI-1301252-KT	X-Tension Terminal Comp, 31 in	1	EACH
2	K070202	X-Tension Hardware Kit, GT,	1	EACH
3	K070206	X-Tension System Hardware Kit,	1	EACH
4	K070210	X-Tension GT Guardrail	1	EACH
5	B061100	BSL I-Beam Post, Middle, X350	1	EACH
6	MANXT1	X-TENSION Installation Manual	1	EACH

- NOTES: UNLESS OTHERWISE SPECIFIED.
- SYSTEM TO BE INSTALLED PER MANUFACTURER SPECIFICATIONS.
 - ONLY TIGHTEN THE CABLE ASSEMBLIES USING THE NUTS AT THE CABLE BRACKET (SEE DETAIL 'D'). DO NOT TIGHTEN THE CABLES AT THE FRONT OF THE GROUND ANCHOR.
 - WHEN DRIVING STEEL POST, ENSURE THAT A DRIVING CAP WITH TIMBER OR PLASTIC INSERT IS USED TO PREVENT DAMAGE TO THE GALVANIZING TO THE TOP OF THE POST.

<small>©2012 BARRIER SYSTEMS INC. THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BARRIER SYSTEMS INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF BARRIER SYSTEMS INC. IS PROHIBITED.</small>		<small>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS DECIMAL ANGLES ± 1/16 .XX ± .03 ± 1/2° .XXX ± .010</small>				<small>BARRIER SYSTEMS INC. 3333 Voco Valley Parkway, Ste 800 Vacaville, CA 95688 Tel: 800-800-5691 www.barriersystemsinc.com</small>	
APPROVALS				TITLE X-TENSION GUARDRAIL TERMINAL SYSTEM STEEL POST WITH COMPOSITE BLOCKOUT 31" RAIL HEIGHT			
<small>DRAWN BY:</small> NMV <small>DRAWN DATE:</small> 2/08/13 <small>APPR'D BY:</small> JMT <small>APPR'D DATE:</small> 2/08/13	<small>THIRD ANGLE PROJECTION</small> 	<small>REV</small> 2067 <small>DATE</small> 03/02/13 <small>REV</small> 2022 <small>DATE</small> 2/08/13	<small>SIZE</small> B <small>SCALE</small> 1:50	<small>DWG NO.</small> XTGTSS5	<small>REV.</small> B	<small>SHEET</small> 1 OF 1	