

INFORMATION HANDOUT

For Contract No. [10-1E4504](#)

At [SJ - 5 - R23.6/25.3](#)

Identified by

Project ID [1015000100](#)

MATERIALS INFORMATION

Water Source Information

[Manufacturer's Drawings for Alternative Flared Terminal System](#)

Won, Randall@DOT

From: Allen, Stacie L. <SAllen@calwater.com>
Sent: Tuesday, July 07, 2015 1:44 PM
To: Tabada, Thoa H@DOT
Subject: RE: Water Source for Caltrans Project in and near Stockton (EA 10-1E4501)

Hi Thoa,

We cover I-5 from Downing to Charter as long as on Downing you do not cross over to Weston Ranch (the west side of I-5 on Downing). Weston Ranch is the City of Stockton's service area.

Hope this helps.

Stacie

From: Tabada, Thoa H@DOT [mailto:thoa.huynh@dot.ca.gov]
Sent: Tuesday, July 07, 2015 10:59 AM
To: Allen, Stacie L.
Cc: Alicea, Jose A@DOT
Subject: Water Source for Caltrans Project in and near Stockton (EA 10-1E4501)

Good morning Stacie,

Here is another request for another project in Stockton for non-potable and/or potable water availability for Caltrans project in Summer 2016. We have a rubberized hot mix asphalt (RHMA) overlay project in San Joaquin County in and near Stockton on Route 5 from Downing Avenue Undercrossing to Charter Way Undercrossing.

10-SJ-5-PM R23.6/25.3

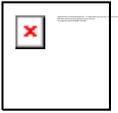
This is a highway maintenance project and the purpose for this project is to apply 0.1' of AC to the existing pavement to repair failing or damaged pavement to extend the service life of State Route 5.

Can you please let me know if CalWater has either non-potable and potable water available for the construction in Summer 2016?

Thank you so much for your time and please contact me if you have any questions.

Thoa Tabada
Maintenance Design
(209) 948-3997

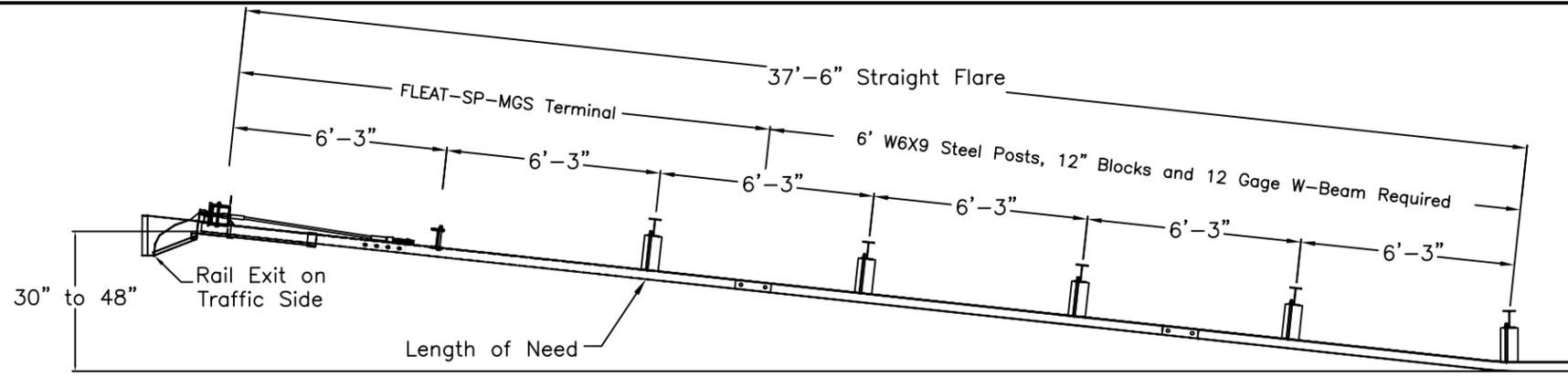
Stacie Allen
Operations Clerk
CALIFORNIA WATER SERVICE
209-464-8311



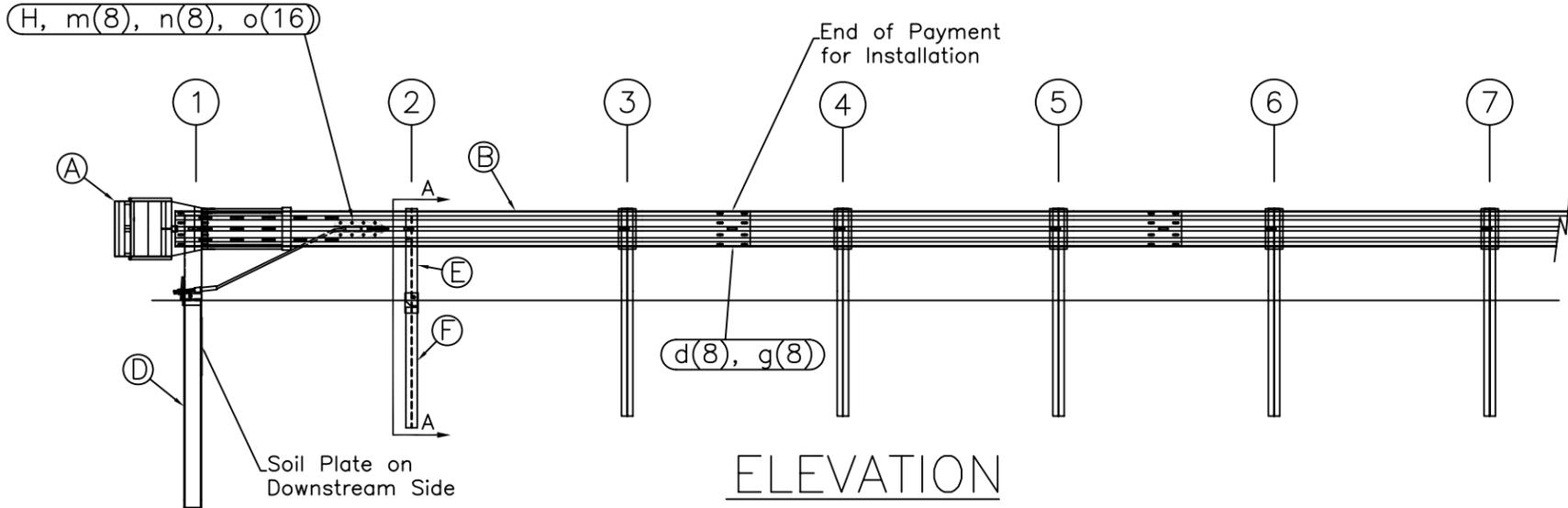
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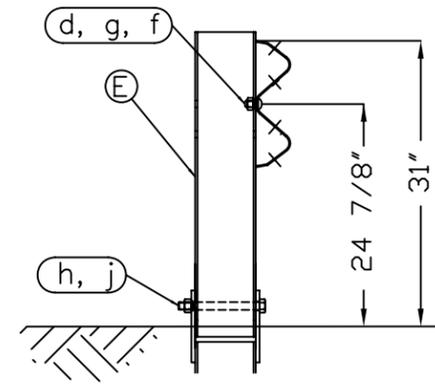
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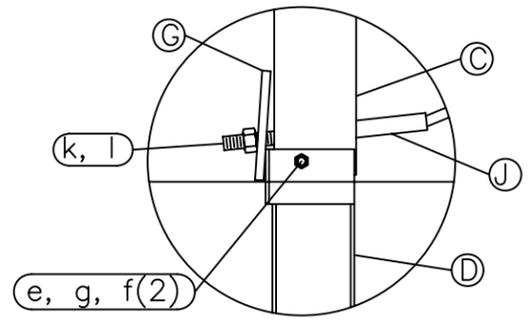
PLAN



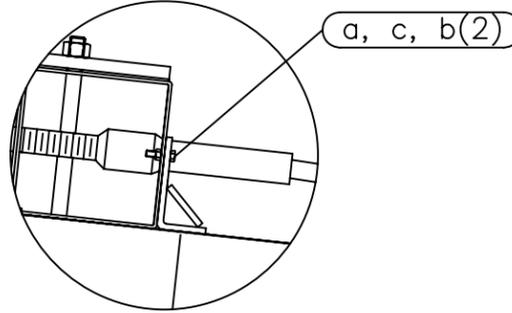
ELEVATION



SECTION A-A
Post #2



Post #1 Connection Detail



Impact Head Connection Detail

ITEM	QTY	BILL OF MATERIALS	ITEM NO.
A	1	IMPACT HEAD	F3000
B	1	W-BEAM GUARDRAIL END SECTION, 12 Ga.	MGS-SF1303
C	1	FIRST POST TOP (6X6X $\frac{1}{2}$ " Tube)	TPHP1A
D	1	FIRST POST BOTTOM (6' W6X15)	TPHP1B
E	1	SECOND POST ASSEMBLY TOP	UHP2A
F	1	SECOND POST ASSEMBLY BOTTOM	HP3B
G	1	BEARING PLATE	E750
H	1	CABLE ANCHOR BOX	S760
J	1	BCT CABLE ANCHOR ASSEMBLY	E770

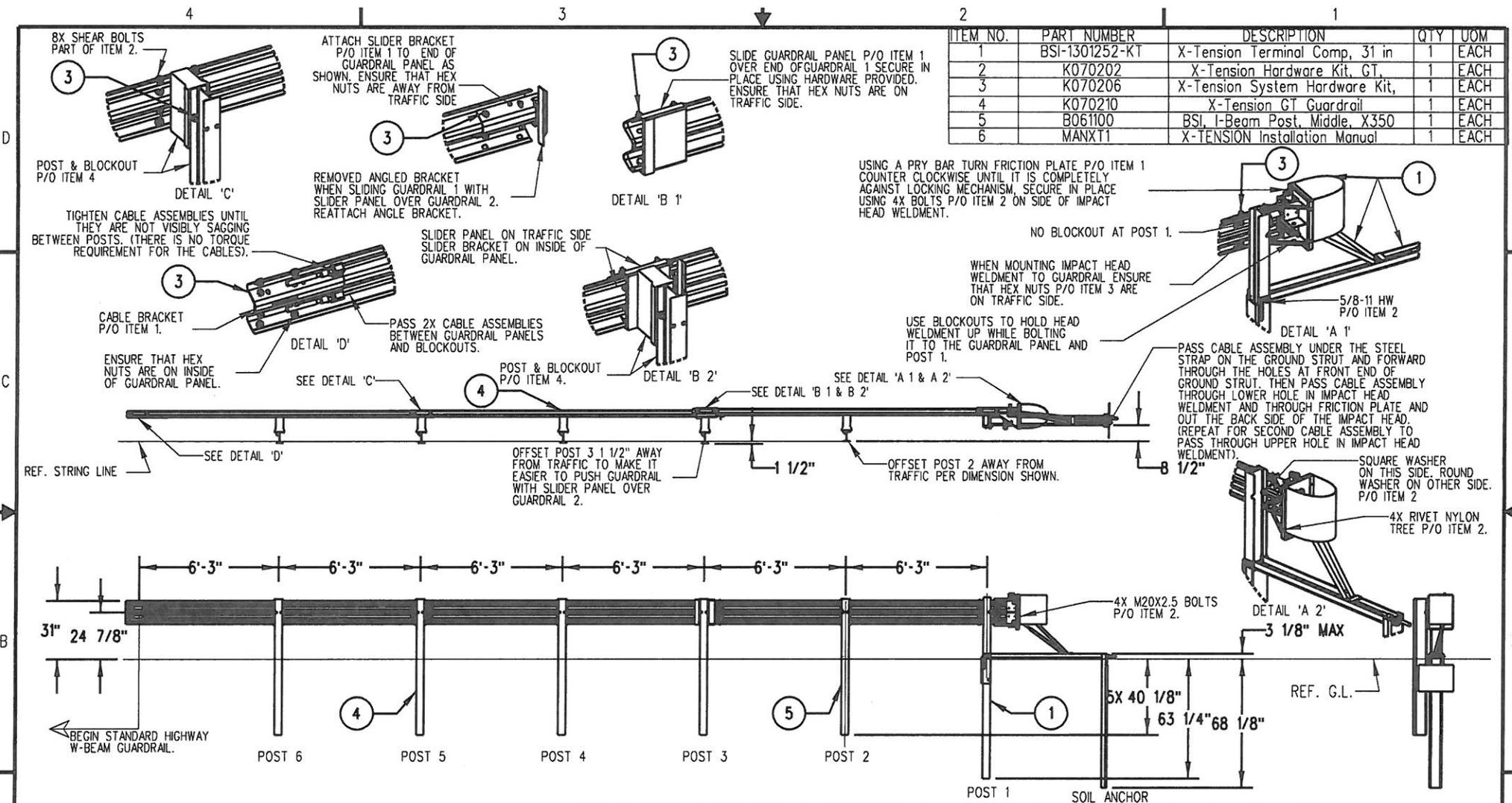
HARDWARE (ALL DIMENSIONS IN INCHES)			
a	2	5/16 x 1 HEX BOLT GRD 5	B5160104A
b	4	5/16 WASHER	W0516
c	2	5/16 HEX NUT	N0516
d	9	5/8 Dia. x 1 1/4 SPLICE BOLT (POST #2)	B580122
e	1	5/8 Dia. x 9 HEX BOLT GRD 5	B580904A
f	3	5/8 WASHER	W050
g	10	5/8 Dia. H.G.R NUT	N050
h	1	3/4 Dia. x 8 1/2 HEX BOLT GRD A449	B340854A
j	1	3/4 Dia. HEX NUT	N030
k	2	1 ANCHOR CABLE HEX NUT	N100
l	2	1 ANCHOR CABLE WASHER	W100
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:

- All bolts, nuts, cable assemblies, cable anchors and bearing plates shall be galvanized.
- The lower sections of the Posts 1&2 shall not protrude more than 4 in above the ground (measured along a 5' cord). Site grading may be necessary to meet this requirement.
- The lower sections of the hinged posts should not be driven with the upper post attached. If the post is placed in a drilled hole, the backfill material must be satisfactorily compacted to prevent settlement.
- When competent rock is encountered, a 12" Ø post hole, 20 in. deep cored into the rock surface may be used if approved by the engineer for post 1. Granular material will be placed in the bottom of the hole, approximately 2.5" deep to provide drainage. The first post can be field cut to length, placed in the hole and backfilled with suitable backfill. The soil plate may be trimmed if required.
- 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.

Road Systems, Inc.
Big Spring, TX
Phone: 432-263-2435
or Phone: 330-346-0721

FLEAT-SP-MGS Terminal Midwest Guardrail System 31" Top of Rail		Sheet:	1
		Date:	02/24/10
Drawing Name: FLT-SP-S-MGS		By:	JRR
		Scale:	None
		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.

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APPROVALS DRAWN BY: NMV DRAWN DATE: 2/08/13 APPR'D BY: JMT APPR'D DATE: 2/08/13		THRD ANGLE PROJECTION  INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5-1994 DO NOT SCALE DRAWING	
REV	ECN*	DATE	SCALE
B	2067	03/02/13	B
A	2022	2/08/13	B

LINDSAY
TRANSPORTATION SOLUTIONS

BARRIER SYSTEMS INC.
3333 Voco Valley Parkway, Ste 800
Vacoala, CA 95688
Tel: 800-800-5691
www.barriersystemsinc.com

TITLE: X-TENSION GUARDRAIL TERMINAL SYSTEM
STEEL POST WITH COMPOSITE BLOCKOUT
31" RAIL HEIGHT

SIZE: B
DWG NO.: XTGTSS5
SCALE: 1:50
SHEET: 1 OF 1