INFORMATION HANDOUT

For Contract No. 05-1C2404
At 05-SLO-1-17.7/59.0

Identified by
Project ID 0512000106

05-1C2404
05-SLO-1-17.7/59.0
Project ID 0512000106

MATERIALS INFORMATION

Water Source Information

Natina Estimate

Manufacturer Drawings for Alternative Flared Terminal System

CITY OF SAN LUIS OBISPO
879 Morro Street • San Luis Obispo, CA 93401

May 21, 2015

Kian Hemmati, Project Engineer
CalTrans D5 Maintenance Design
50 Higuera
San Luis Obispo, CA 93401

Re: City of San Luis Obispo
Construction Water Permit for Use of Recycled Water

Dear Mr. Hemmati:

The City of San Luis Obispo agrees to make non-potable water available to your prospective rumble strip project (on Route 1 from Highland Drive to approximately Hearst Castle Road) Contractor, dependent upon the Contractor obtaining and maintaining a permit through the City's Construction Water Permit program. At this time the permit fee is $1,260 annually (July 1 through June 30). The permit application and associated requirements can be found at the following internet site:

http://www.slocity.org/government/department-directory/utilities-department/documents-and-files

If you have any questions please contact me via email at jmetz@slocity.org or by phone at 805-781-7239. Thank you.

Sincerely,

Jennifer Metz, Utilities Project Manager
City of San Luis Obispo

The City of San Luis Obispo is committed to include the disabled in all of its services, programs and activities.
Telecommunications Device for the Deaf (805) 781-7410

License #983993

Expires:05/31/16

NATINA

P.O. Box 4563
Palm Desert, CA 92261
(877) 762-8462

ESTIMATE

PROPOSAL SUBMITTED TO		TODAY'S DATE	LOCATION
Caltrans - SLO **Attn: Laurie Cummings**		10/7/15	Cayucos, CA
PHONE NUMBER	FAX NUMBER	CONTRACT NUMBER	
(805) 549-3401		05-1C240	
ADDRESS, CITY, STATE, ZIP		CLIENT	
50 Higuera Street **San Luis Obispo, CA 93401-5415**		Caltrans	

We propose hereby to furnish Natina staining material and labor necessary for the completion of:

Material	Apply Natina Steel stain to:	Unit Price	Total
NATINA STEEL	(261) 8' Steel Posts for MSG	$35.49/EA	$9,262.89
	Shipping from our Casa Grande, AZ facility back to the jobsite	$2,095.00	$2,095.00
		TOTAL:	**$11,357.89**

PLEASE NOTE: This quote expires one year from 3/6/15 and includes all labor, material, taxes, and delivery of stained items to the jobsite. **Items to receive color treatment must be shipped to our facility located at 1555 North V I P Blvd., Casa Grande, AZ 85122.** Staining of all galvanized hardware for the above is included. Taxes, if applicable, are included.

Proposal Includes: Staining of above items. Material needed for any touch-ups required to fix any scratches caused during transportation and/or installation. Touch-ups are done by applying Natina Steel to the scratched areas with a sponge and are fairly simple. Shipping from our facility to the jobsite.

Proposal Excludes: We only do the staining and do not supply the items to be stained. Touch-ups needed to repair any of the color/finish harmed during transportation or installation. Shipping to our facility in Casa Grande, AZ.

We propose hereby to furnish material and labor – complete in accordance with above specifications for the sum of:
Eleven thousand three hundred fifty-seven and 89/100 dollars ($11,357.89)

Payment as follows: Due when application is completed

All material is guaranteed to be as specified. All work to be completed in a substantial workmanlike manner according to specifications submitted, per standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance. If either party commences legal action to enforce its rights pursuant to this agreement, the prevailing party in said legal action shall be entitled to recover its reasonable attorney's fees and costs of litigation relating to said legal action, as determined by a court of competent jurisdiction.

Authorized Signature Brian Hardin

Note: this proposal may be withdrawn by us if not accepted within 365 days.

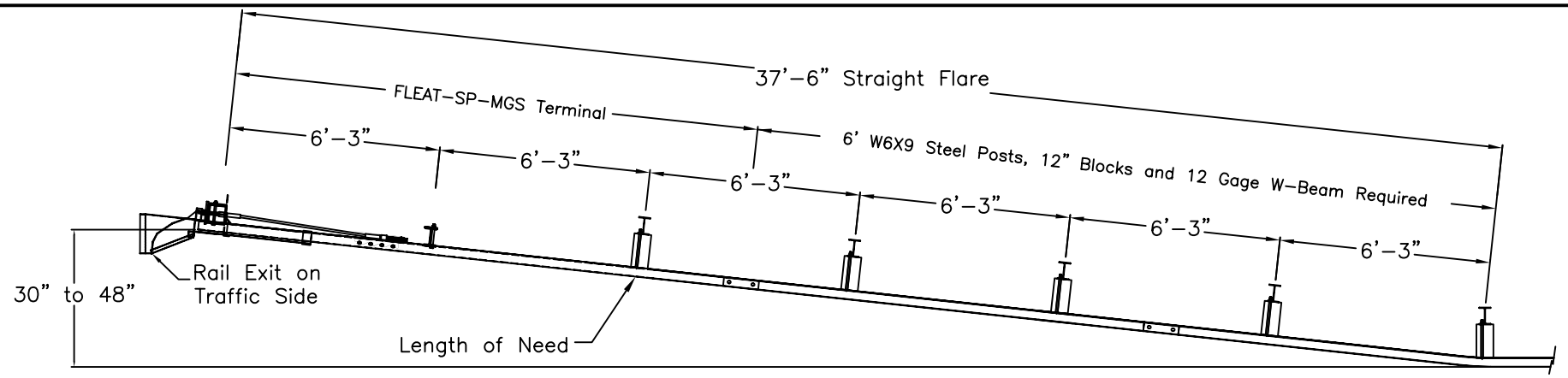
ACCEPTANCE OF PROPOSAL The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature _____

Signature _____

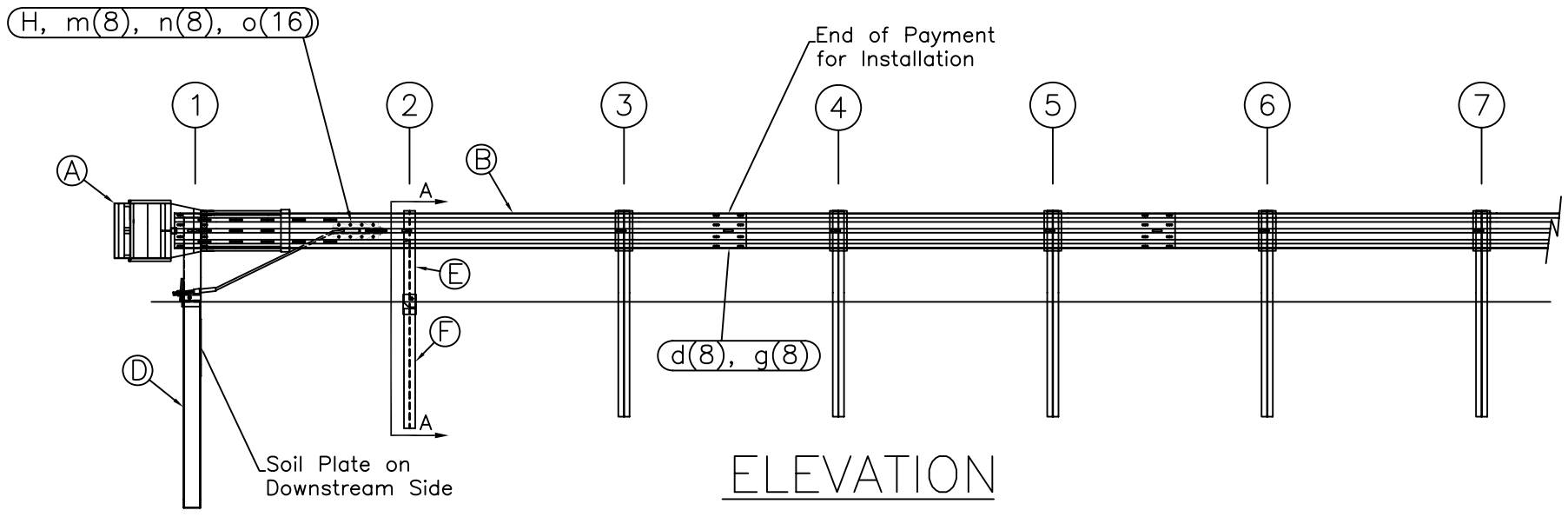
Date of Acceptance _____

WWW.THECONTRACTORSGROUP.COM & Diane Dennis Enterprises © 2004 PROP-003.doc Rev 10-04

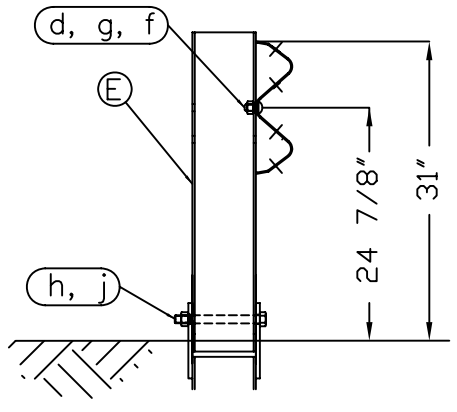


PLAN

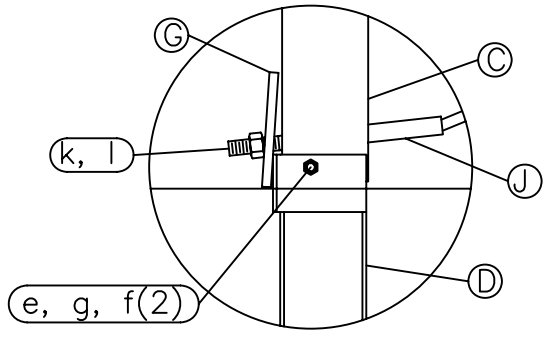
TRAFFIC



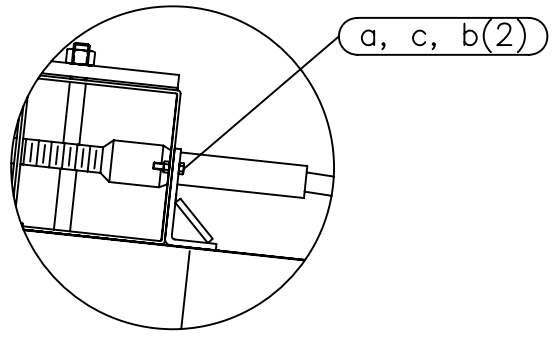
ELEVATION



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$\frac{1}{8}$" 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:
1. All bolts, nuts, cable assemblies, cable anchors and bearing plates shall be galvanized.
2. 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.
3. 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.
4. 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.
5. 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.

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

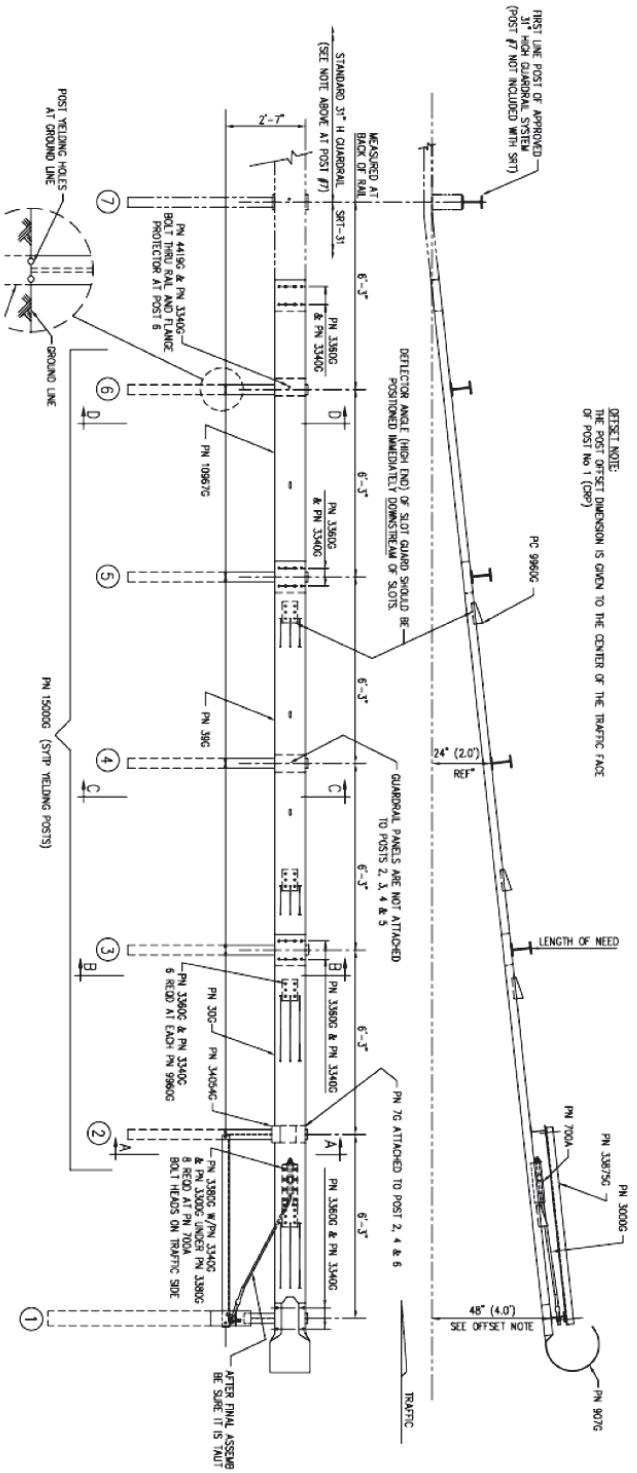
FLEAT-SP-MGS Terminal Midwest Guardrail System 31" Top of Rail

Sheet:	Date:	By:
1	02/24/10	JRR

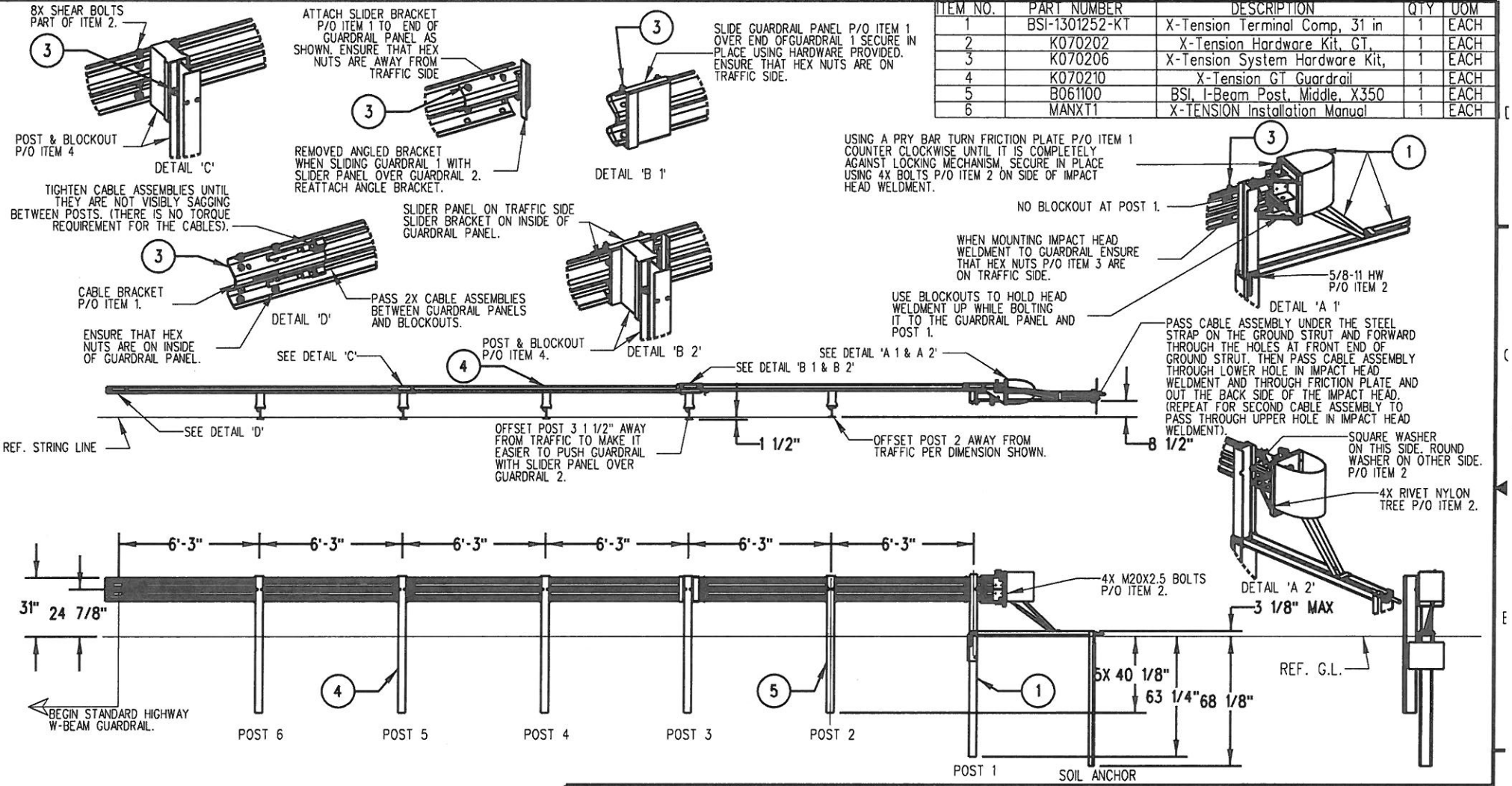
Drawing Name:	Scale:	Rev:
FLT-SP-S-MGS	None	0

SRT™-31 SYSTEM

FOR SPECIFIC INSTALLATION, MAINTENANCE, OR REPAIR DETAILS, REFER TO THE STATE/SPECIFYING AGENCY'S STANDARD DRAWING(S) AND/OR TRINITY STANDARD LAYOUT DRAWINGS



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	BSI, I-Beam Post, Middle, X350	1	EACH
6	MANXT1	X-TENSION Installation Manual	1	EACH



NOTES: UNLESS OTHERWISE SPECIFIED.

1. SYSTEM TO BE INSTALLED PER MANUFACTURER SPECIFICATIONS.
2. 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.
3. 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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:
FRACTIONS ±1/16 DECIMAL .XX ±.03 .XXX ±.010 ANGLES ±1/2°
INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5-1994
THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING

REV	ECN#	DATE
B	2067	05/02/13
A	2022	2/08/13

LINDSAY TRANSPORTATION SOLUTIONS™
BARRIER SYSTEMS INC.
3333 Vaca Valley Parkway Ste 800
Vacaville, CA 95688
Tel: 888-800-3691
www.barriersystemsinc.com

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

SIZE	DWG NO.	REV.
B	XTGTSS5	B

SCALE 1:50 SHEET 1 OF 1

Doc. B100108