

INFORMATION HANDOUT

**For Contract No. 05-1G6704
At 05-Mon-1-40.8/62.5**

**Identified by
Project ID 0515000060**

MATERIALS INFORMATION

Water Source Information

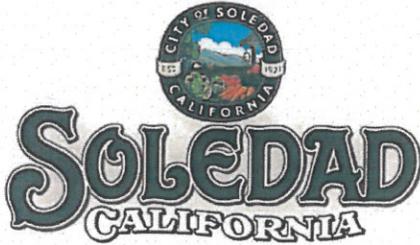
PRODUCT INFORMATION

Alternative Flared Terminal System

FLEAT

SRT

X Tension



April 21, 2015

Mr. Charles Trenbeth
50 Higuera Street
San Luis Obispo, Ca 93401

RE: CONSTRUCTION WATER-

Dear Mr. Trenbeth,

Pursuant to my letter to you dated 04/16/2015, I foresee, at this time, that I will more than 70,00 gallons of Title 22 Reclaimed Water available for your construction project (EA# 05-1G6701, Hwy 1, Post Miles 40.8 to 62.5, Mr. Troy Tong, Project Engineer), that is due to start in the spring of 2016. It is always possible that severe drought conditions one year from now may affect this tentative water allocation.

If you have any questions, please contact me by telephone at (831) 223-5190 or by email at Ed.Waggoner@cityofsoledad.com.

Sincerely,

Ed Waggoner,
Water Resources Manager
City of Soledad WRF
34520 Morisoli Road
Soledad Ca. 93960

ph 831-223-5190
fax 831-223-5192

CALIFORNIA UTILITIES SERVICE, INC.

A California Corporation

Thomas R. Adcock
President
(831) 424 - 0442 Phone

P.O. Box 5100
Salinas, CA 93915
(831) 424 - 0611 Fax

April 23, 2015

Mr. Troy Tong, P.E.
California Department of Transportation
District 5
50 Higuera Street
San Luis Obispo, CA 93401

Dear Mr. Tong,

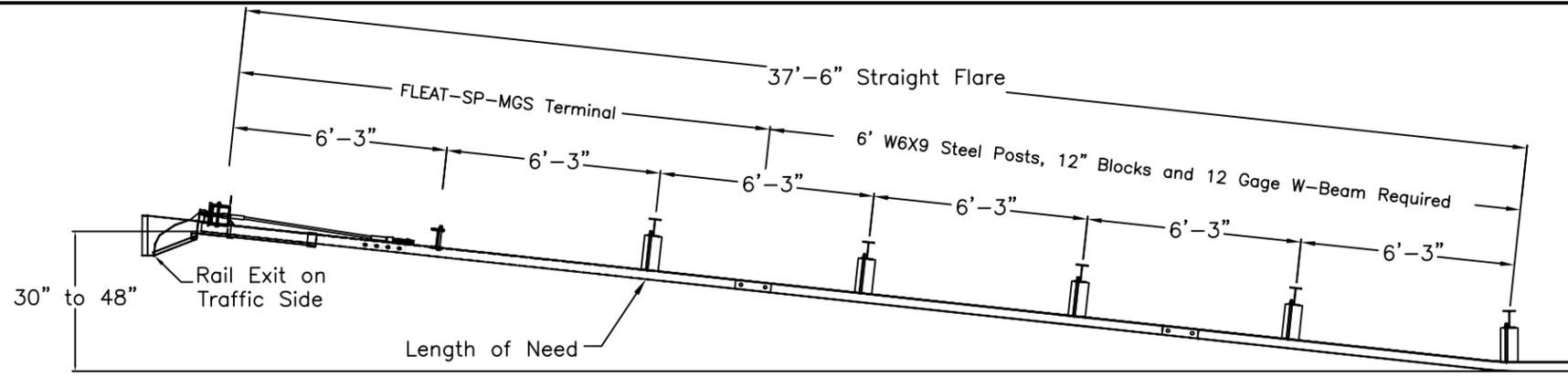
Pursuant to my phone conversation with Charles Trenbeth, P.E., of CalTrans on April 20, 2015, I foresee, at this time, that I will have approximately 70,000 gallons of Secondary Effluent Reclaimed Water available for your construction project (EA # 05-1G6701, Hwy Mon 1, Post Miles 40.8 to 62.5) that is due to start in the Spring of 2016. It is always possible that severe drought conditions one year from now may affect this tentative allocation.

If you have any questions, please contact me at (831) 424-0442.

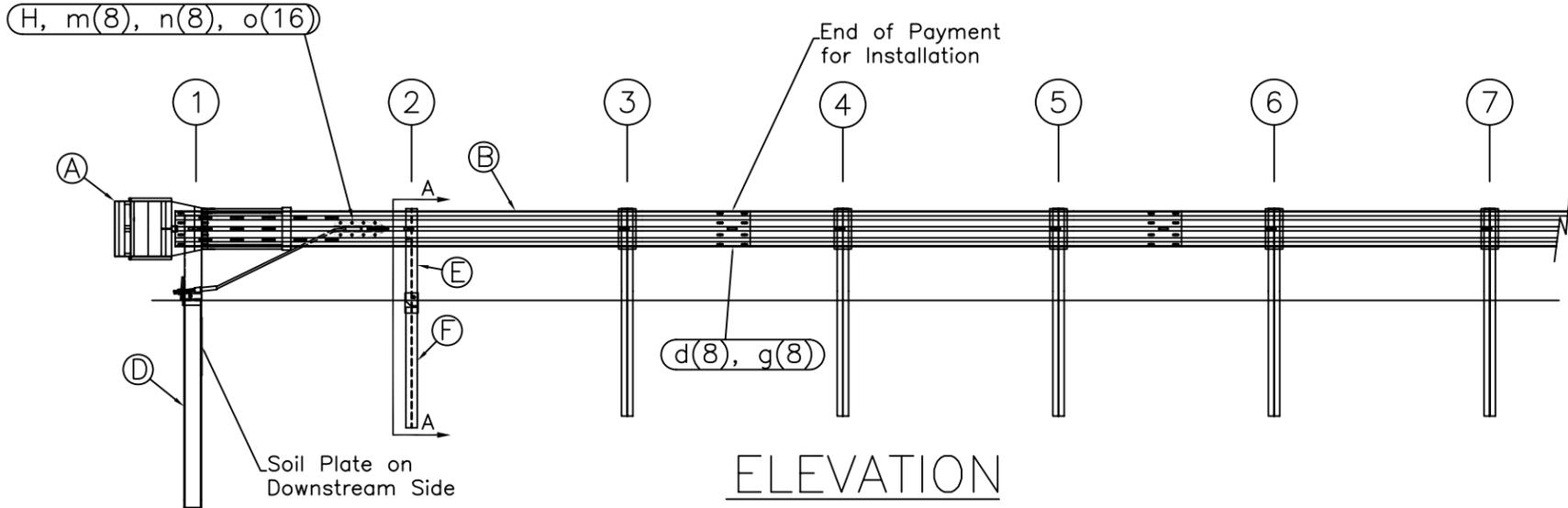
Sincerely,



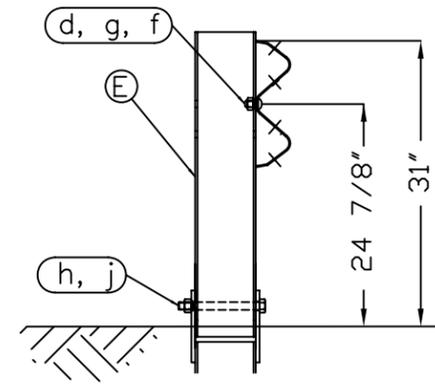
Thomas R. Adcock
President



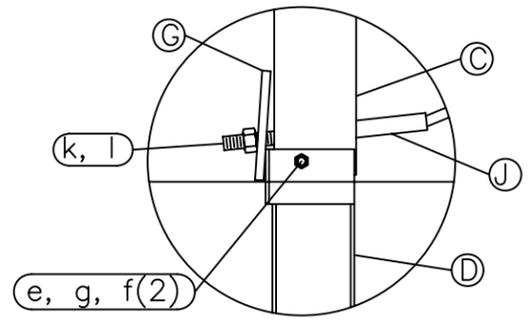
PLAN



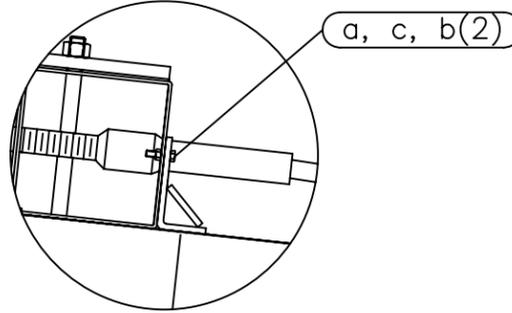
ELEVATION



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 $\frac{1}{8}$ " 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

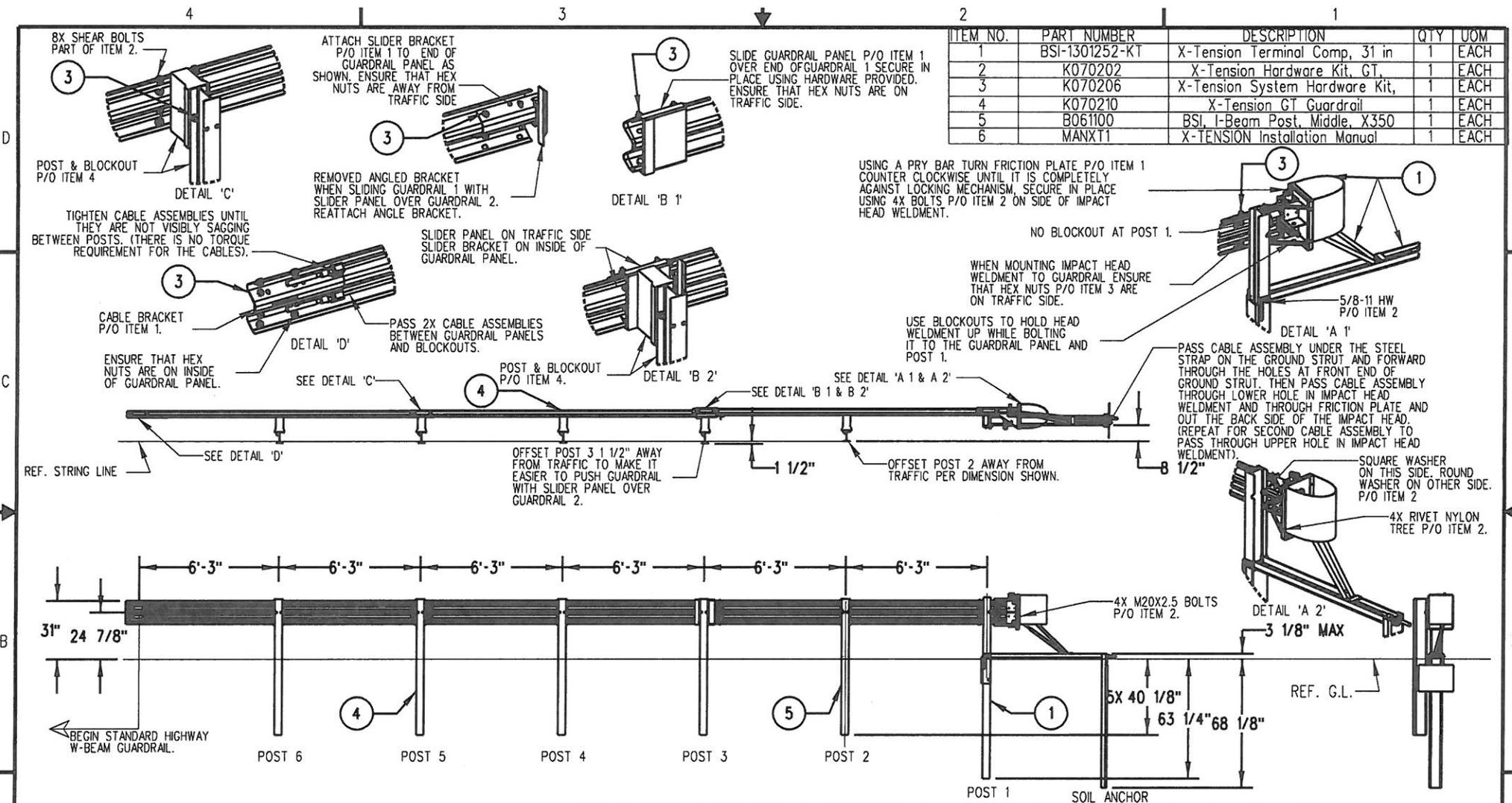
HARDWARE (ALL DIMENSIONS IN INCHES)			
a	2	5/16 x 1 HEX BOLT GRD 5	B5160104A
b	4	5/16 WASHER	W0516
c	2	5/16 HEX NUT	N0516
d	9	5/8 Dia. x 1 1/4 SPLICE BOLT (POST #2)	B580122
e	1	5/8 Dia. x 9 HEX BOLT GRD 5	B580904A
f	3	5/8 WASHER	W050
g	10	5/8 Dia. H.G.R NUT	N050
h	1	3/4 Dia. x 8 1/2 HEX BOLT GRD A449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

- 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.

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.

<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:</small> <small>FRACTIONS DECIMAL ANGLES</small> <small>± 1/16 .003 ± .03 ± 1/2°</small> <small>.XXX ± .010</small> <small>INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5-1994</small>	
APPROVALS			
DRAWN BY:	NMV	THRD ANGLE PROJECTION	
DRAWN DATE:	2/08/13		
APPR'D BY:	JMT		
APPR'D DATE:	2/08/13		

LINDSAY
TRANSPORTATION SOLUTIONS

BARRIER SYSTEMS INC.
3333 Voco Valley Parkway, Ste 800
Vocaville, GA 30688
Tel: 800-800-5691
www.barriersystemsinc.com

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

REV. B	DATE: 2/08/13	SCALE: 1:50	SHEET: 1 OF 1
--------	---------------	-------------	---------------