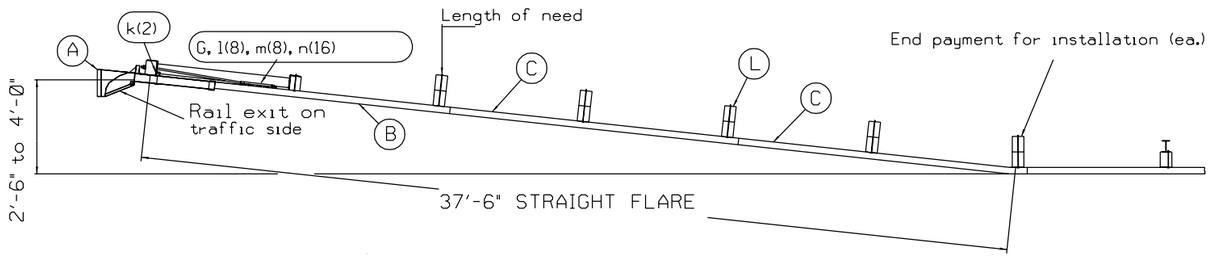
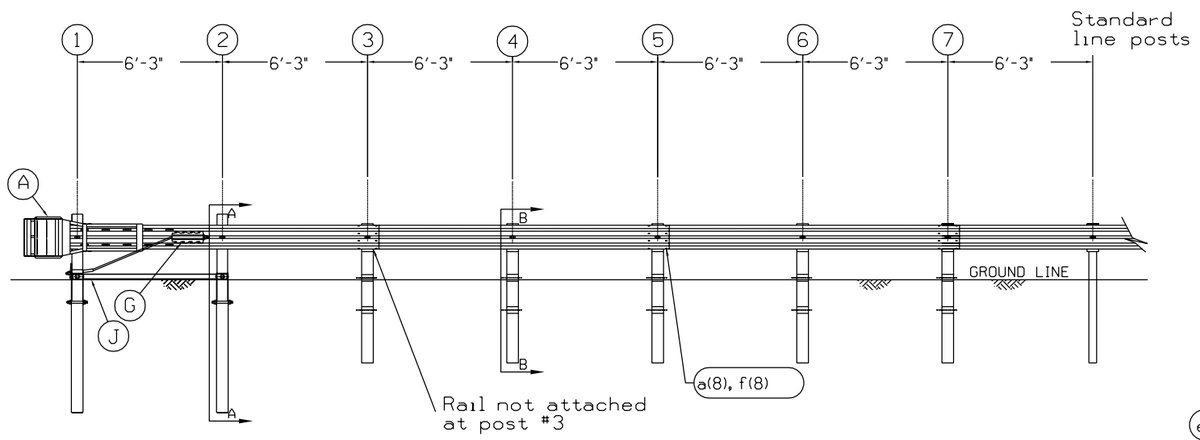
APPROVED AS NCHRP 350 T3 TERMINAL
VIA ADOT PRIDE PROGRAM 09/13/01
CURRENT REVISION: 11/26/02



TRAFFIC

PLAN



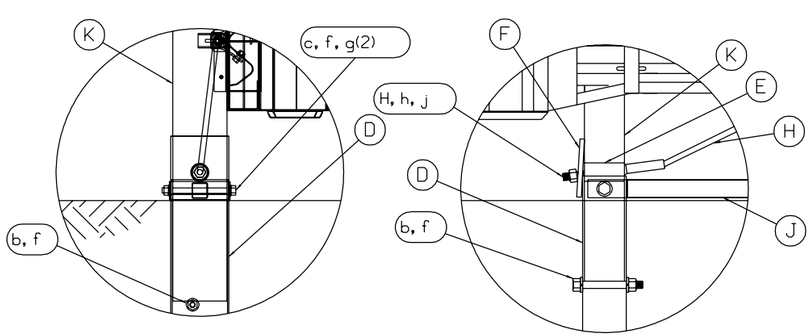
ELEVATION

GENERAL NOTES:
1. Breakaway posts are required with the FLEAT.
2. All bolts, nuts, cable assemblies, cable anchors and bearing plates shall be galvanized.
3. The soil tubes shall not protrude more than 4" above ground (measured along a 5' cord). Site grading may be necessary to meet this requirement.
4. The soil tubes may be driven with an approved driving head. Soil tubes should not be driven with the post in the tube. If the tubes are placed in drilled holes, the backfill material must be satisfactorily compacted to prevent settlement.
5. When rock is encountered during excavation, a 12" Dia. post hole, 20" into the rock may be used if approved by the engineer. Granular material will be placed in the bottom of the hole approx. 2.5" deep to provide drainage. The soil tubes will be field cut to length, placed in the hole and backfilled with adequately compacted material excavated from the hole.
6. 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.
7. The wood blockouts should be "toe-nailed" to the wood posts to prevent them from turning when the wood shrinks.
8. Guardrail splices shall be overlapped in the direction of adjacent traffic.

Code	QTY	BILL OF MATERIALS	ITEM #
A	1	IMPACT HEAD	F3000
B	1	W-BEAM GUARDRAIL END SECTION, 12 GA., 12.5' RAIL ELEMENT	FS1303
C	2	W-BEAM GUARDRAIL, 12 GA., 12.5' RAIL ELEMENTS	G1203
D	2	•FOUNDATION SOIL TUBE, 6" x 8" x 6'-0"	E731
E	1	PIPE SLEEVE	E740
F	1	BEARING PLATE, 8" x 8" x 5/8"	E750
G	1	CABLE ANCHOR BOX	S760
H	1	BCT CABLE ANCHOR ASSEMBLY	E770
J	1	GROUND STRUT	E780
K	2	5.5" x 7.5" x 45" WOOD POSTS	P650
L	5	6" x 8" x 6'-0" WOOD CRT POST	P671
M	5	6" x 8" x 14" TIMBER BLOCKOUT	P675
		HARDWARE	
a	24	5/8" Dia. x 1 1/4" SPLICE BOLT	B580122
b	2	5/8" Dia. x 7 1/2" HEX BOLT	B580754
c	2	5/8" Dia. x 10" HEX BOLT	B581004
d	1	5/8" Dia. x 10" H.G.R. BOLT (Post 2 only)	B581002
e	5	5/8" Dia. x 18" H.G.R. BOLT (Posts 3-7)	B581802
f	34	5/8" Dia. H.G.R. NUT (SPLICE 24, SOIL TUBES 2, STRUT 2, POST 2, 1; POST 3 THRU 7, 5)	N050
g	10	H.G.R. WASHER	W050
h	2	1" ANCHOR CABLE HEX NUT	N100
j	2	1" ANCHOR CABLE WASHER	W100
k	2	3/8" x 3" LAG SCREW	E350
l	8	CABLE ANCHOR BOX SHOULDER BOLTS	SB58A
m	8	1/2" A325 STRUCTURAL NUTS	N055A
n	16	1 1/16" OD X 9/16" ID A325 STR. WASHER	W050A

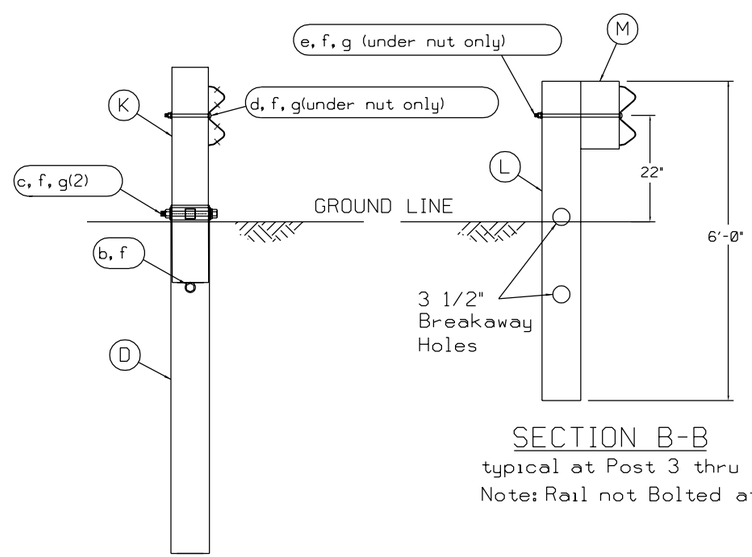
Foundation Tube Options For Posts 1 & 2

- •6'-0" Split Foundation Tubes S730
- •6'-0" Solid Foundation Tubes E731
- •5'-0" Foundation Tubes S735 W/Soil Plates SP600
- •4'-6" Foundation Tubes E735 W/Soil Plates SP600



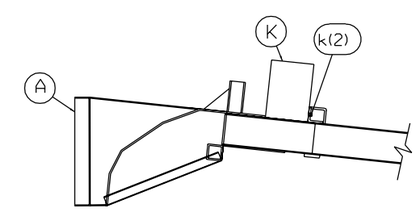
FRONT VIEW OF POST 1

SIDE VIEW OF POST 1



SECTION A-A

SECTION B-B
typical at Post 3 thru 7
Note: Rail not Bolted at Post 3



IMPACT HEAD CONNECTING DETAIL

Road Systems, Inc.
Big Spring, TX
Phone: 915-263-2435
or Phone: 330-346-0721

FLARED ENERGY
ABSORBING TERMINAL
FLEAT-350 ASSEMBLY
ARIZONA

Sheet: A1
Date: 11/20/02
Drawing Name: FLT-W-US-AZ
Scale: NONE
By: JRR
Rev: 0