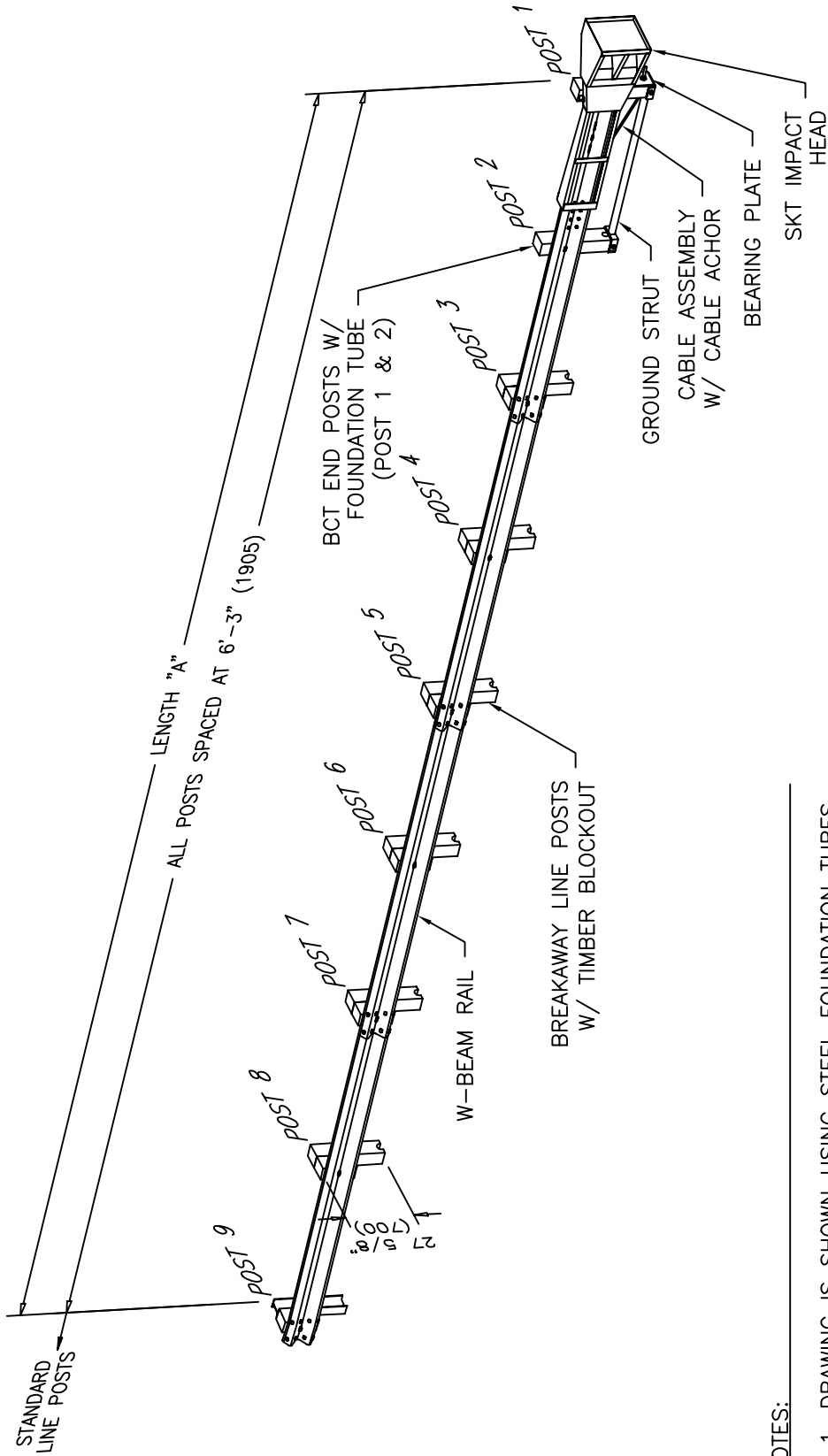


2005



NOTES:

1. DRAWING IS SHOWN USING STEEL FOUNDATION TUBES AT POSTS 1 & 2 ONLY. STEEL TUBES MAY ALSO BE USED AT POSTS 1 THRU 4 OR POST 1 THRU 8.
2. INSTALLED TANGENT TO LENGTH OF NEED OR WITH A TAPER OF 25:1 OR LESS.
3. WOOD OR STEEL BREAKAWAY POSTS MAY BE USED FOR THIS SYSTEM. WOOD POSTS SHOWN.
4. SEE TABLE FOR OVERALL LENGTHS.

SYSTEM	SEW17a	SEW17b	SEW17c
NCHRP 350	TL 3 SKT	TL 3 SKT LITE	TL 2 SKT TL 2
LENGTH "A"	50'-0" (15.24m)	37'-6" (11.43m)	25'-0" (7.62m)
POSTS	8	6	5

# Sequential Kinking Terminal (SKT)



Road Systems Inc.

## SEW17a, b & c

SHEET NO.

1 of 2

DATE

8-16-05

### INTENDED USE

The **SKT** (Sequential Kinking Terminal) family of products represents tangent roadside energy-absorbing terminals that are supported by breakaway posts and used to protect the ends of W-Beam barriers. During end-on impacts, the vehicle pushes the SKT impact head down the rail section while sequentially kinking the rail element. The kinked rail exits the impact head on the backside behind traffic.

The SKT is a cable-anchored system. When impacted on the traffic side within the length of need and within design limits, the SKT contains and redirects the errant vehicle back toward its original travel path. A cable anchor bracket is attached to the backside of the first rail section with special high strength shoulder bolts. The cable anchor bracket locks into place for traffic face redirection impacts but releases for end-on impacts.

There are options for the breakaway posts. The SKT is approved by the FHWA with either wood or steel breakaway posts.

### APPROVALS

FHWA letter (CC-40) April 2, 1997 - SKT NCHRP 350 Test Level 3  
FHWA letter June 10, 1998 - SKT foundation tube and blockout options  
FHWA letter (CC-61) August 27, 1999 - SKT steel post option  
FHWA letter (CC-40A) February 4, 2000 - SKT NCHRP 350 Test Level 2  
FHWA email March 23, 2001 - SKT eliminating soil plates from tubes 3 to 8  
FHWA letter (CC-61A) October 30, 2002 - SKT steel post option  
FHWA letter (CC-61B) April 5, 2004 - SKT steel post option  
FHWA letter (CC-40B) July 14, 2004 - SKT LITE 37'-6" long with wood or steel posts  
FHWA letter (CC-61C) August 20, 2004 - SKT steel post option

### CONTACT INFORMATION

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## Sequential Kinking Terminal (SKT)

SEW17a,b&c



Road  
Systems  
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SHEET NO.

DATE

2 of 2

8-16-05