1. APPROVED SYSTEMS ET-2000 AND ET-PLUS MANUFACTURED BY TRINITY INDUSTRIES AND THE ET-3000 MANUFACTURED BY ROAD SYSTEMS INC. REFER TO GUIDELINES FOR CRASH CUSHIONS AND BARRIER END TREATMENTS FOR SPECIFIC SYSTEM DETAILS.

2. SYSTEM OFFSET:
   A. INSTALL SYSTEM WITH A 2 FT OFFSET (25:1 FLARE RATE) WHEN USED WITH A TANGENT BARRIER SYSTEM. OFFSET NOT REQUIRED WHEN SYSTEM PLACED 12 FT OR MORE FROM FORESLOPES HINGE POINT.
   B. INSTALL SYSTEM AT THE SAME FLARE RATE AS THE BARRIER IT IS BEING ATTACHED TO.

3. REFER TO UDOT'S GUIDELINES FOR CRASH CUSHION AND BARRIER END TREATMENTS FOR POST REQUIREMENTS.
   A. POST 1
   1) ET SERIES-HINGE BREAKAWAY POST (HBA)
   2) SKT-350 PLUG WELDED POST INSIDE FOUNDATION TUBE

4. RAIL ELEMENTS
   A. USE 12 1/2 FT RAIL ELEMENTS AS SPECIFIED BY THE SYSTEM MANUFACTURER
   B. DO NOT BOLT RAIL ELEMENTS AT POST 1.
   C. REFER TO MANUFACTURE SPECIFICATIONS FOR OTHER RAIL TO POST BOLT REQUIREMENTS.

5. COMPLETE SLOPE PREPARATION PRIOR TO INSTALLING SYSTEM. MEET SLOPE REQUIREMENTS IN RECOVERY AREA AS DETailed IN APPENDIX DD STD DWG. THE ADDITIONAL INFORMATION BELOW IS THE MINIMUM ACCEPTABLE SLOPES REQUIREMENTS FOR THE APPROACH AREA OF THE END TREATMENT AND THE RECOVERY AREA.

6. INSTALL SYSTEM WITH 2 FT OFFSET (25:1 FLARE RATE) WHEN USED WITH A TANGENT BARRIER SYSTEM. OFFSET NOT REQUIRED WHEN SYSTEM PLACED 12 FT OR MORE FROM FORESLOPES HINGE POINT.

7. INSTALL SYSTEM AT THE SAME FLARE RATE AS THE BARRIER IT IS BEING ATTACHED TO.

8. REFER TO UDOT'S GUIDELINES FOR CRASH CUSHION AND BARRIER END TREATMENTS FOR POST REQUIREMENTS.
   A. POST 1
   1) ET SERIES-HINGE BREAKAWAY POST (HBA)
   2) SKT-350 PLUG WELDED POST INSIDE FOUNDATION TUBE

9. INSTALL REQUIRED MARKINGS ACCORDING TO STD DWG CC 1.

10. USE THE CURRENT EDITION, AASHTO ROADSIDE DESIGN GUIDE TO ESTABLISH CLEAR ZONE REQUIREMENTS AND LENGTH (L) REQUIREMENTS.

11. 2 FT MINIMUM BARRIER OFFSET IS OPTIONAL WHEN ROADWAY DESIGN REQUIRES A 12 FT OR MORE EFFECTIVE SHOULDER.