Note: Use strengthened MGS sections with Runway Types 1 or 16 layouts where minimum clearance between the face of the MGS and fixed object(s) is less than 4'-0", but not less than 3'-0". See Note 4.

1. Line posts, blocks and hardware to be used are shown on Revised Standard Plans, RSP AT71, RSP AT43, RSP AT47 and RSP AT40.

2. MGS post spacing to be 6'-3" center to center, except as otherwise noted.

3. Except as noted, line posts are 6" x 8" x 6'-0" wood with 6" x 8" x 1'-2" wood blocks. 6" x 8" or 6" x 6" post, 6'-0" in length, with 6" x 8" x 1'-2" notched wood blocks or notched recycled plastic blocks.

4. A 4'-0" minimum clearance is required between the face of the railing and the face of the fixed object located directly behind MGS sections with post spacing of 6'-3". See Note 8.

5. 31" in-line and parabolic treatments are used where site conditions will not accommodate a 31" flared treatment.

6. The type of 31" terminal system to be used will be shown on the Project Plans.

7. As site conditions dictate, construct additional MGS to shield roadside fixed object(s) with length equal to multiples of 12'-6".

8. Flare offsets for 25'-0" length parabola with 31" in-line end treatment and a 31" flared end treatment at the ends of railing (see Note 8). See Note 12.

9. For typical flare offsets for 25'-0" length parabola with maximum offset of 1'-0", see Revised Standard Plan RSP AT40.

10. As site conditions dictate, construct additional MGS to shield fixed objects (bridge columns, overhead sign supports, etc.) with length equal to multiples of 12'-6".

11. For details of accent pole anchor, see Revised Standard Plan RSP AT72.

12. For typical flare offsets for 25'-0" length parabola with maximum offset of 1'-0", see Revised Standard Plan RSP AT71.

13. Where clearance between the face of the MGS and fixed object(s) is less than 4'-0", but not less than 3'-0", a concrete wall or barrier should be constructed to shield the fixed object(s).

14. Use this offset for 6" block. For 12" block use minimum 4'-0" offset.

15. Fixed object(s). See Note A and Note 13.

16. Length of MGS within the 15:1 or flatter flare is based on site conditions and should be a length equal to multiples of 12'-6".

17. For details of Buried Post End Anchor, see Revised Standard Plan RSP AT72.


20. This offset for 8" block. For 12" block use minimum 4'-0" offset.