



NOTES

APPLICATION: This drawing details the 25'-0" maximum Long-span Guardrail across a culvert option, which meets the requirements of MASH Test Level 3.

A minimum length of 62.5' of Standard MGS guardrail is required before Post 1 and after Post 6 to maintain stability in the system. 37.5' of a Type E Anchor Assembly may contribute to this 62.5' requirement. Normal grading with the slope break point at the post is permitted beyond the grading limits shown.

POSTS: Use Type 1 Breakaway CRT Wood Post for Posts No. 1-6.

LATERAL OFFSET: When the headwall is flush with the grade, the back of the post can be aligned with the near side of the headwall. But if the headwall continues above grade, the system should be offset 8' from the fixed object.

FLARED ENDS: For locations where a guardrail flare is desired, the system should remain tangent for 50'-0" before post 1 or after post 6, at which point the guardrail may flare at a maximum taper rate of 7:1.

MATERIALS: All posts, blockouts, rails, and hardware shall comply with Item 606, Guardrail Type MGS as detailed on SCD MGS-2.1 except as noted. For other details not shown, see SCD MGS-1.1.

PAYMENT: Item 606 - Guardrail, Type MGS, Long-Span is paid for in Feet for the length specified in the plans between Posts 1 and 6 and includes blockouts, posts, and the other hardware, materials, equipment and labor required to construct the guardrail as shown. The guardrail required before Post 1 and after Post 6 is paid for as Item 606 - Guardrail, Type MGS, in Feet.

The additional grading required is paid for as Item 203 Embankment, Cu. Yd.

THIS DRAWING REPLACES MGS-2.3 DATED 1-19-2018