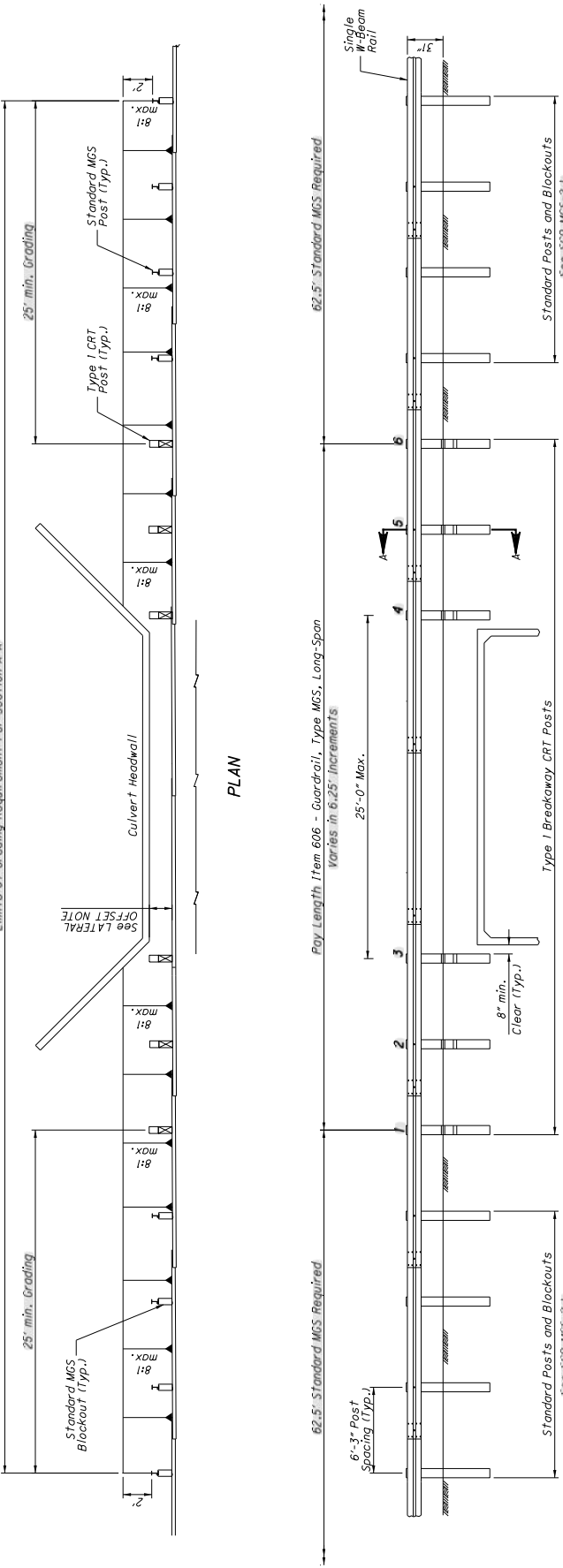


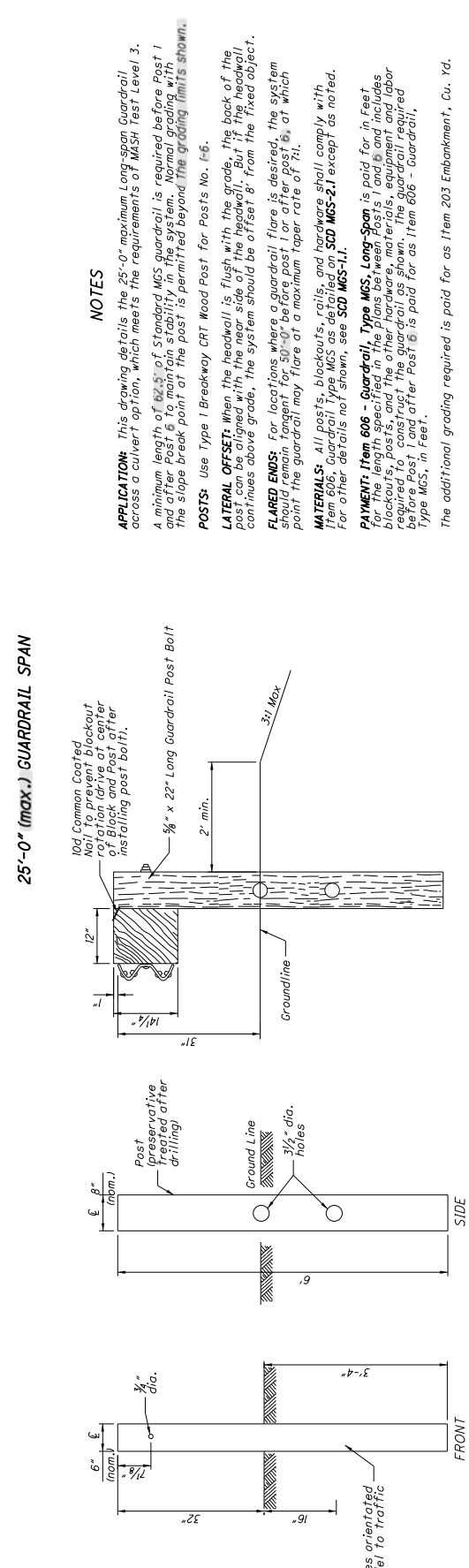
THIS DRAWING REPLACES MGS-2.3 DATED 7-19-2013

Limits of Grading Requirement Per Section A-4



PLAN

25'-0" (max.) GUARDRAIL SPAN



ELEVATION

SECTION A-A

TYPE I BREAKAWAY CRT WOOD POST

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.
- MATERIALS:** A minimum length of 66.5' of Standard MGS guardrail is required before Post 1 is reached. The minimum length of guardrail required beyond the slope break point of the post is permitted beyond the grading limits shown.
- POSTS:** Use Type I Breakaway CRT Wood Post For Posts No. 1-6.
- LATERAL OFFSET:** When the headwall is flush with the grade, the back of the last post may be aligned with the rear 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 30'-0" before post 1 or after post 6, at which point the guardrail may flare at a maximum taper rate of 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.