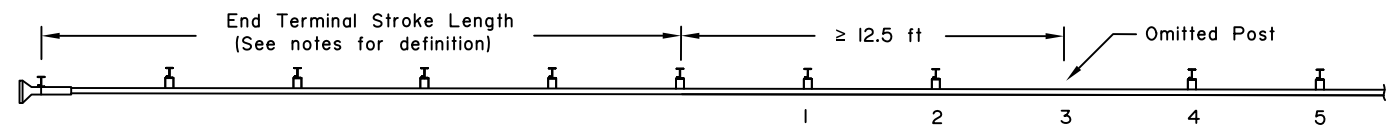
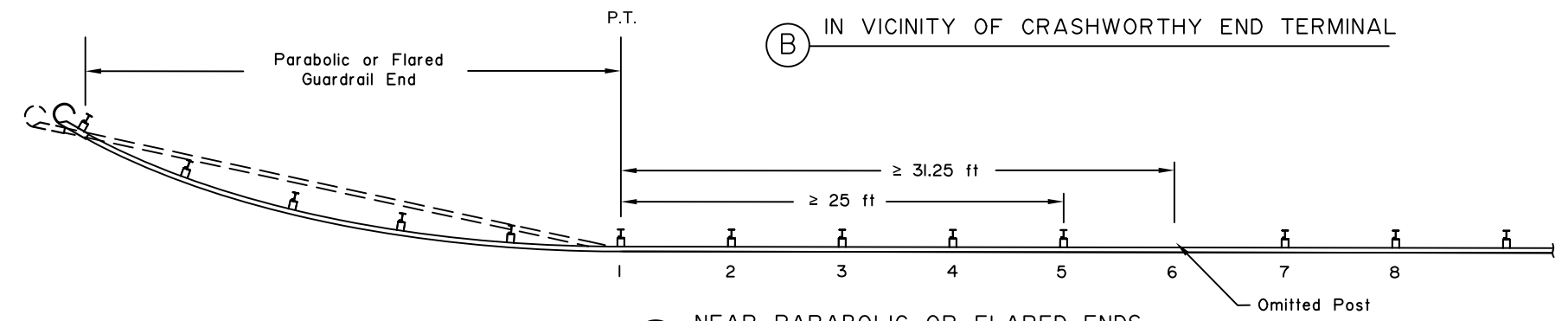


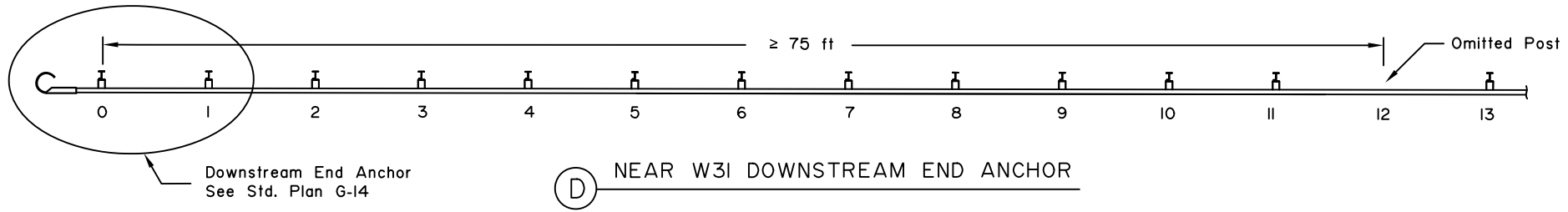
(A) TANGENT RUN OF W31 GUARDRAIL
Min. distance between omitted posts



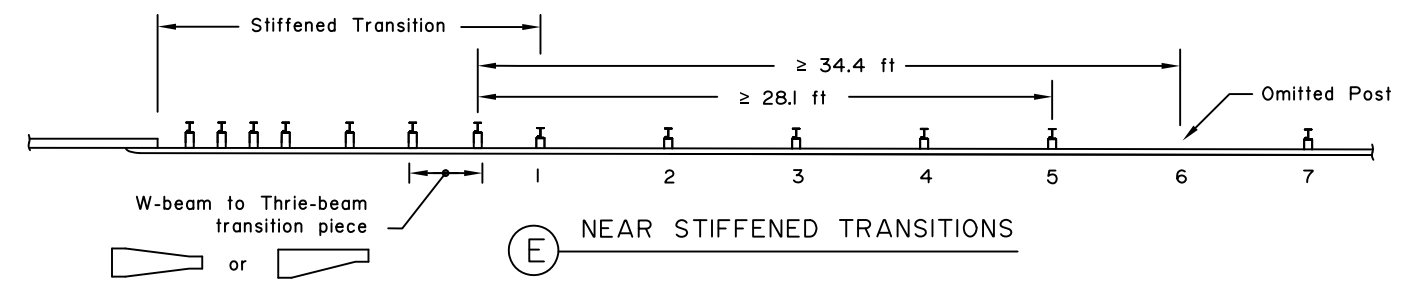
(B) IN VICINITY OF CRASHWORTHY END TERMINAL



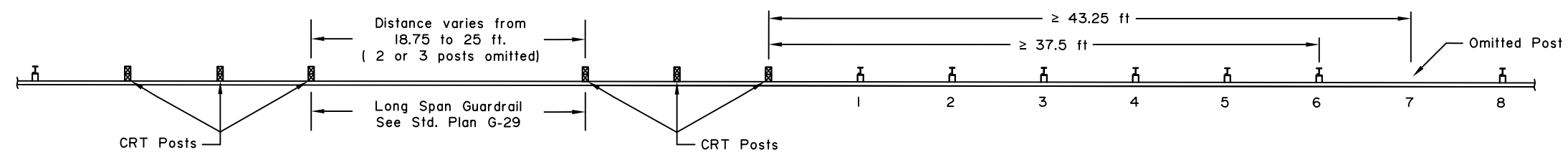
(C) NEAR PARABOLIC OR FLARED ENDS



(D) NEAR W31 DOWNSTREAM END ANCHOR



(E) NEAR STIFFENED TRANSITIONS



(F) NEAR LONG SPAN SECTIONS

CONSTRUCTION NOTES

- Omit guardrail posts only when necessary and with approval of the Engineer. A necessary condition is the presence of a shallow underground obstruction, such as a culvert or utility line (sewer, fiber optic, gas, power, etc.). Bedrock and boulders are not a condition warranting an omission of a post. See Standard Specifications for Highway Construction, Section 606-3.02 for installation of posts in bedrock, broken rock, or boulders.
- Guardrail depicted in this drawing is W31 with a standard post spacing of 6' - 3".
- Near terminals:
 - On parallel (energy absorbing) end terminals, the omitted post must not be closer than 12.5 ft. to the end of the full stroke of the terminal (see Detail B). The stroke length is defined as the the maximum distance the terminal head travels when impacted. This varies by manufacturer. See specific manufacturer information for this distance.
 - On flared or parabolic terminals, the omitted post must not be closer than 25 ft. of the PT post or not closer than the 6th post from the beginning of the flare or parabola (see detail C).
- Adjacent to 2:1 slopes - do not omit guardrail posts at the breakpoint or on the 2:1 slope.
- On 8:1 approach slopes - do not omit posts from guardrail installed behind the slope break.
- Do not omit posts from guardrail runs with a curb in front of the guardrail.

State of Alaska DOT&PF
ALASKA STANDARD PLAN

W31 GUARDRAIL SINGLE POST LEAVE-OUT

Adopted as an Alaska Standard Plan by: *Carolyn H. Morehouse*

Carolyn Morehouse, P.E.
Chief Engineer

Adoption Date: 09/15/2022

Last Code and Stds. Review
By: LRG Date: 09/15/2022

Next Code and Standards Review date: 09/15/2032