SHOULDER WIDENING TRANSITION
FOR TANGENT TERMINAL

SECTION A-A
(Impact Head omitted for clarity.)

Taper according to manufacturer's specifications to ensure extruder head will not encroach on shoulder.

Beginning length of need point varies by manufacturer. Typically occurs between posts 1 and 3.

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

All dimensions are in inches (millimeters) unless otherwise shown.

Beginning length of need point varies by manufacturer. Typically occurs between posts 1 and 3.

Slope 1:25 max.
(If fill height exceeds 5'-0" (1.5 m) use 1:3 max.)
1:4 desirable

Impacted post limits Revised

notes regarding the taper/flare and length of need point

Other type
SHOULDER WIDENING TRANSITION
FOR FLARED TERMINAL

SECTION B-B
(Impact Head omitted for clarity.)

SHOULDER WIDENING FOR
TYPE 1 (SPECIAL)
GUARDRAIL TERMINALS

STANDARD 630301-09

Illinois Department of Transportation

APPROVED
January 1, 2019

ISSUED
1-1-00

PASSED
ENGINEER OF POLICY AND PROCEDURES

FOR FLARED TERMINAL

SHAPE 1:10 or flatter

22'-0" (7.0 m)
min.

25'-0" (7.5 m)
min.

Variable
30'-0" (9.0 m) max.
5'-0" (1.5 m) min.

Slope 1:10 or flatter

5'-0" (1.5 m)
min.

Top of tube

24'-0" (7.32 m)

5'-0" (1.5 m)
min.

Slope 1:25 max.
(If fill height exceeds
5'-0" (1.5 m) use 1.3 max.)

1:4 desirable

Beginning length of need point
varies by manufacturer. Typically
occurs between posts 1 and 3.

Flare according
to manufacturer's
specifications

25'-0" (7.5 m) min.
22'-6" (7.0 m)

100'-0" (30.0 m) desirable
35'-0" (10.0 m) min.

1:4 desirable
(If fill height exceeds
5'-0" (1.5 m) max.)