Construct earth fill in conformance with requirements for construction of embankments.

Construct paved shoulder in front of guardrail as shown on Typical 7156.

Guardrail may or may not be attached to face of obstacle.

1. Match slope of adjacent shoulder.
2. Measured from Location Station.
3. Distance from edge of normal shoulder to toe of 10:1 slope.

Possible Tabulation:
107-23
Guardrail Installation Line within Shoulder

Legend:
- Foreslope at Guardrail
- Slope - 10:1
- Match adjacent shoulder.

Plan

- Matches slope of adjacent shoulder.
- Measured from Location Station.
- Distance from edge of normal shoulder to toe of 10:1 slope.

Locations:
- Section C-C
- Section D-D

Guardrail Grading

REVISIONS:
- Changes Obstable to Object. Modified guardrail.

APPROVED BY DESIGN METHODS ENGINEER
GUARDRAIL INSTALLATION LINE BEYOND 10 FEET FROM SHOULDER

LEGEND
- Foreslope at Guardrail
- Slope: 10:1
- Match adjacent shoulder.

GUARDRAIL GRADING

Match slope of adjacent shoulder.

Distance from edge of normal shoulder to toe of 10:1 slope

Measured from Location Station.

SLOPE - 10:1

Foreslope at Guardrail

Match adjacent shoulder.

Earth Fill

Foreslope at Guardrail

LEGEND

Slope - 10:1

Earth Fill

Foreslope at Guardrail

Match adjacent shoulder.

GUARDRAIL INSTALLATION LINE BEYOND 10 FEET FROM SHOULDER

10' min.

5' min.

Earth Fill

Foreslope at Guardrail

Match adjacent shoulder.

LEGEND

Slope: 10:1

Earth Fill

Foreslope at Guardrail

Match adjacent shoulder.
See sheets 1, 2, or 3 for unshaded areas.

10:1 preferred; no steeper than 6:1.
This image can be viewed in 3D on the ERL or at our website http://www.iowadot.gov/design/stdrpln.htm

GUARDRAIL GRADING