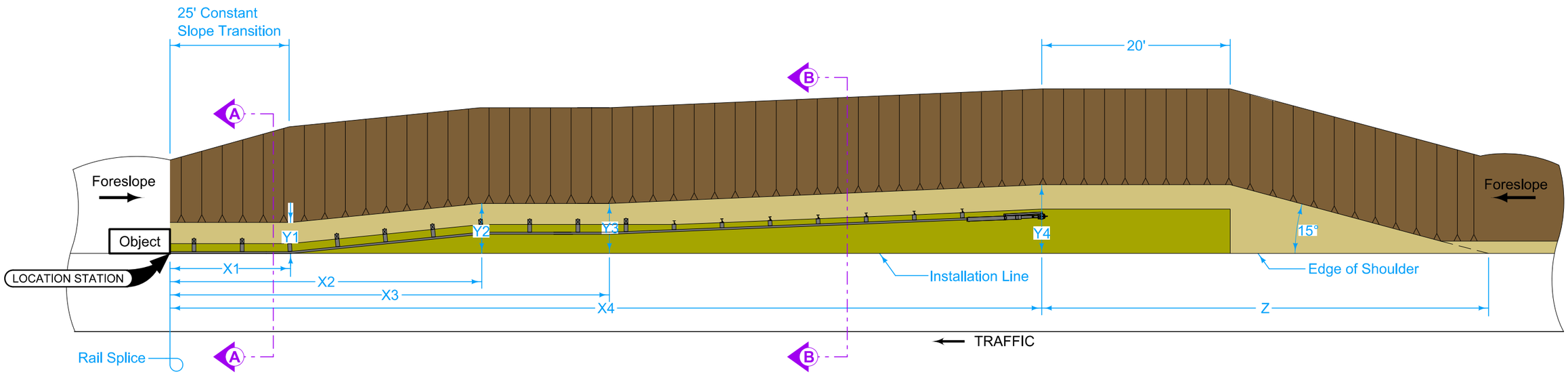
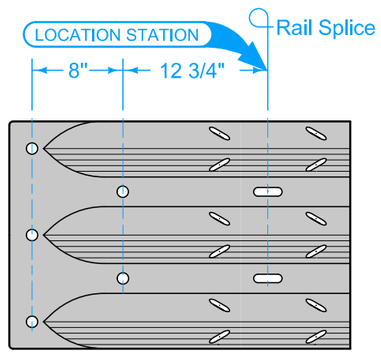


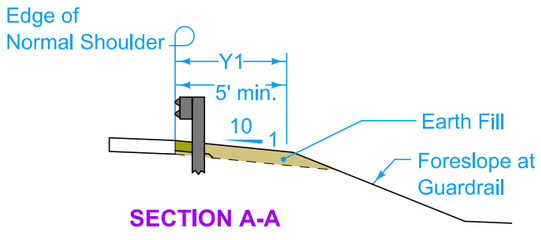
PLAN



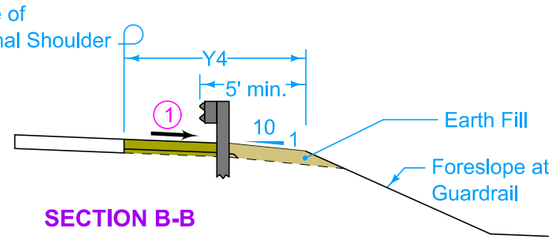
ELEVATION

THRIE - BEAM
TERMINAL CONNECTOR

See BA-202



SECTION A-A



SECTION B-B

Y4 feet	Z feet
5	39
6	43
7	47
8	50
9	54
10	57
11	61
12	65
13	69
14	72
15	76
16	80
17	83
18	87
19	91
20	95

LEGEND

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

GUARDRAIL INSTALLATION LINE AT OR WITHIN 10 FEET OF SHOULDER

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

Construct paved shoulder in front of guardrail as shown on Typical 7156, 7157, 7158.

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

(1) Match slope of adjacent shoulder.

X Measured from Location Station.

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

Possible Tabulation:
107-23

IOWA DOT

STANDARD ROAD PLAN

REVISION	
4	10-20-26

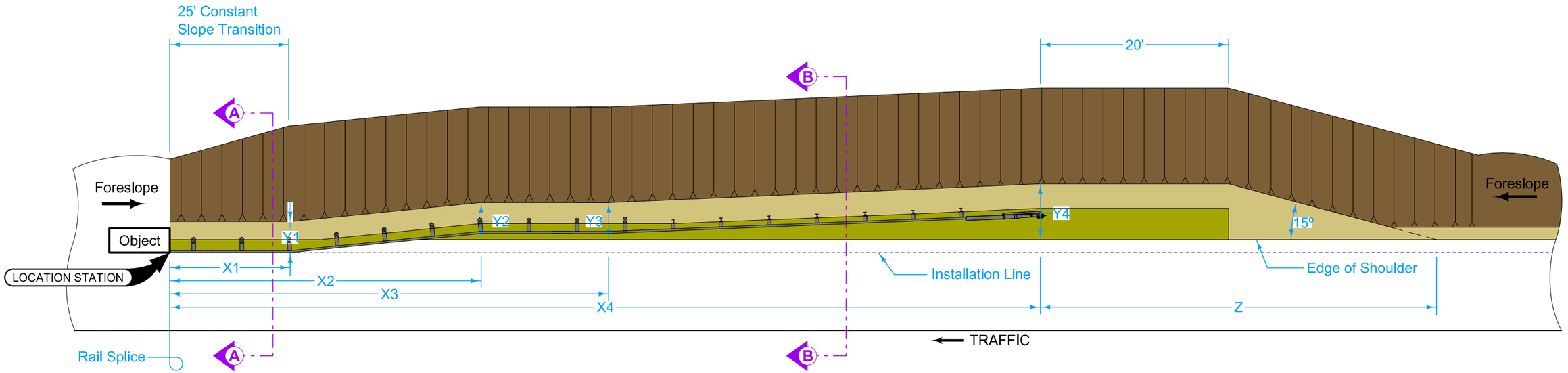
EW-301

SHEET 1 of 4

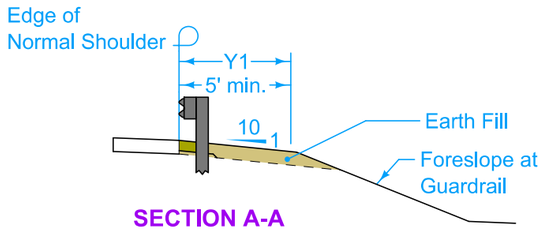
REVISIONS: Added Terminal Connector diagram.

APPROVED BY DESIGN METHODS ENGINEER

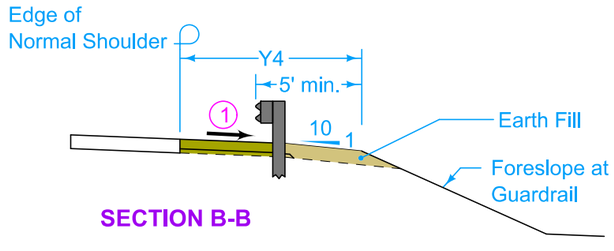
GUARDRAIL GRADING



PLAN



SECTION A-A



SECTION B-B

LEGEND

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

GUARDRAIL INSTALLATION LINE WITHIN SHOULDER

Y4 feet	Z feet
5	39
6	43
7	47
8	50
9	54
10	57
11	61
12	65
13	69
14	72
15	76
16	80
17	83
18	87
19	91
20	95

(1) Match slope of adjacent shoulder.

X Measured from Location Station.

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

IOWA DOT

STANDARD ROAD PLAN

REVISION 4 10-20-26

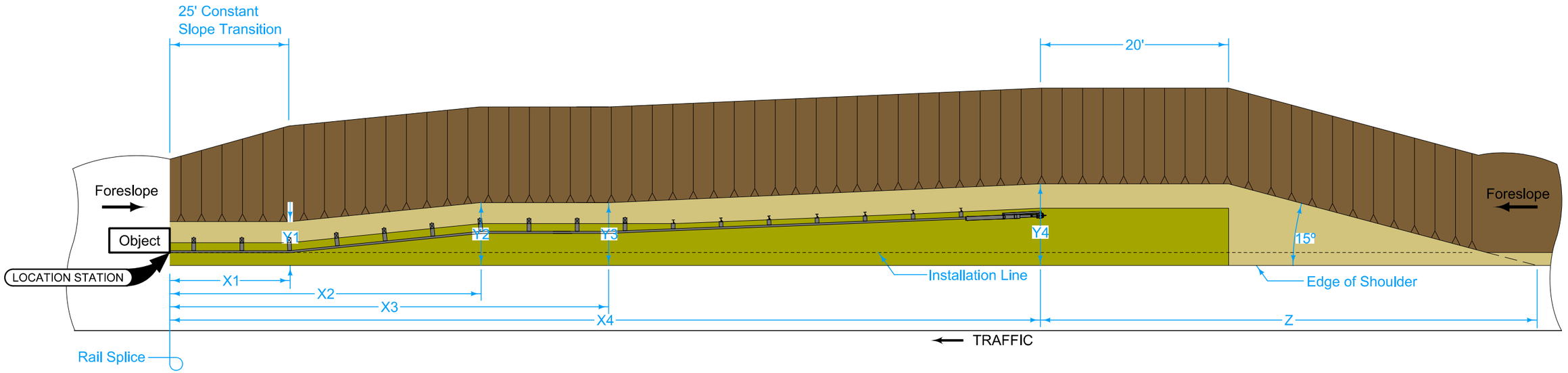
EW-301

SHEET 2 of 4

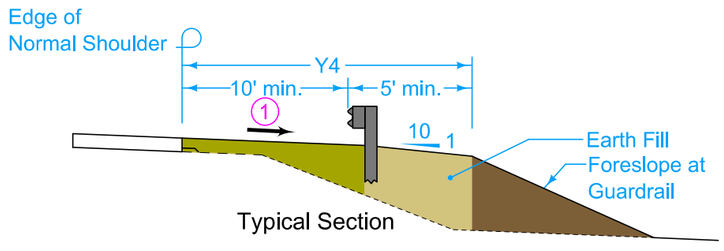
REVISIONS: Added Terminal Connector diagram.

APPROVED BY DESIGN METHODS ENGINEER

GUARDRAIL GRADING



PLAN



Typical Section

GUARDRAIL INSTALLATION LINE BEYOND 10 FEET FROM SHOULDER

LEGEND

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

Y4 feet	Z feet
5	39
6	43
7	47
8	50
9	54
10	57
11	61
12	65
13	69
14	72
15	76
16	80
17	83
18	87
19	91
20	95

(1) Match slope of adjacent shoulder.

X Measured from Location Station.

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

IOWA DOT

STANDARD ROAD PLAN

REVISION	
4	10-20-26

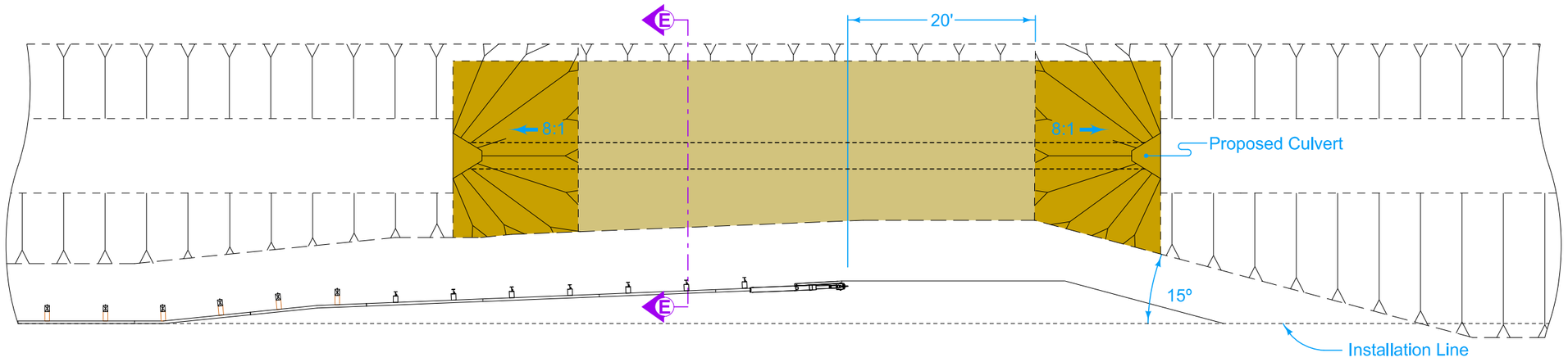
EW-301

SHEET 3 of 4

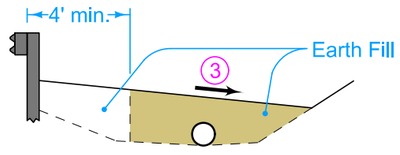
REVISIONS: Added Terminal Connector diagram.

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GUARDRAIL GRADING



PLAN



SECTION E-E

LEGEND

Slope - 10:1

Slope - 8:1

FILL OVER PIPE CULVERT (2)

(2) See sheets 1, 2, or 3 for unshaded areas.

(3) 10:1 preferred; no steeper than 6:1.

IOWA DOT

REVISION 4 10-20-26

STANDARD ROAD PLAN

EW-301

SHEET 4 of 4

REVISIONS: Added Terminal Connector diagram.

APPROVED BY DESIGN METHODS ENGINEER

GUARDRAIL GRADING