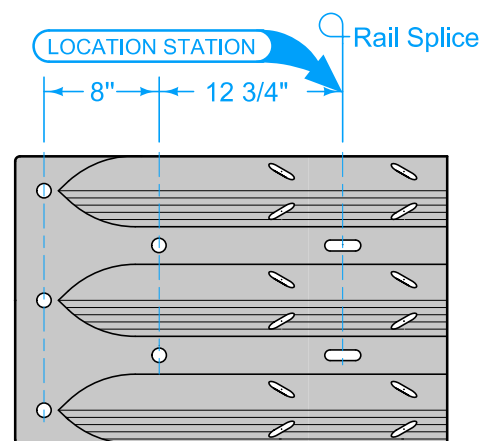
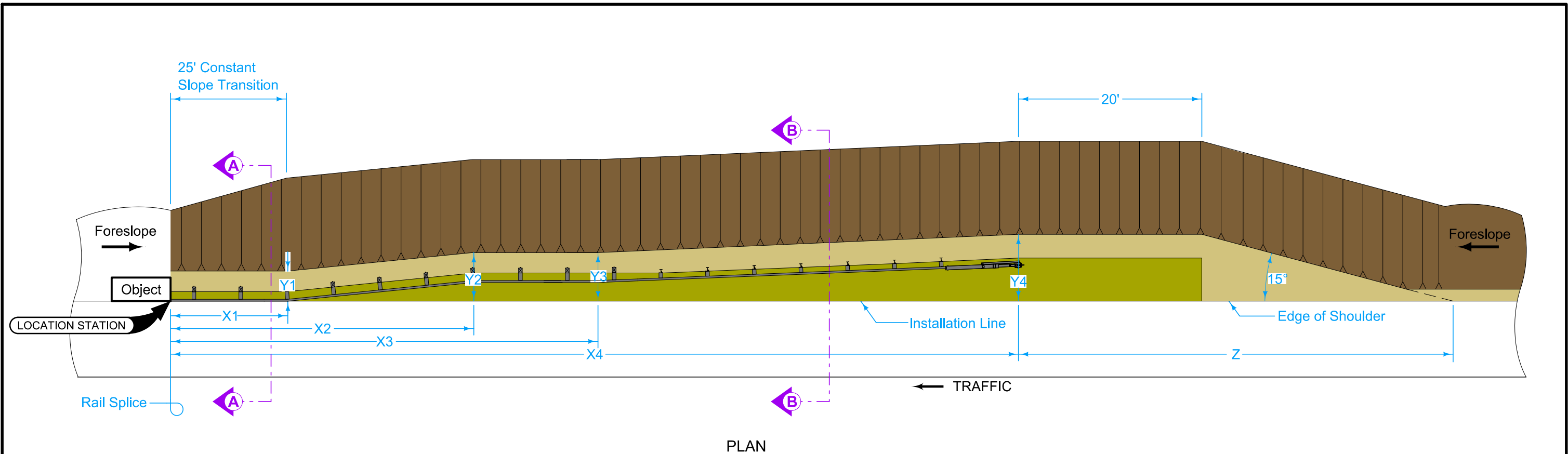
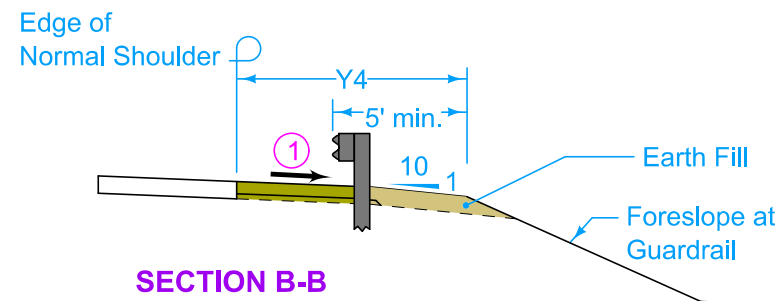
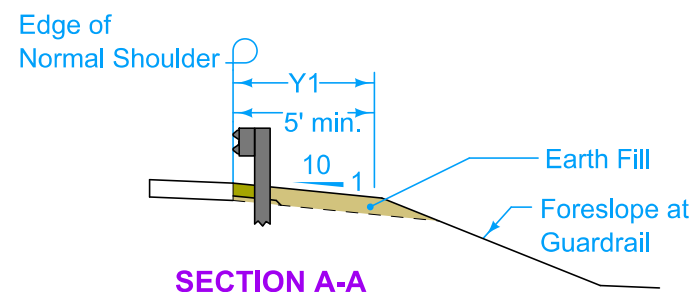




THRIE - BEAM
TERMINAL CONNECTOR
See BA-202



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

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

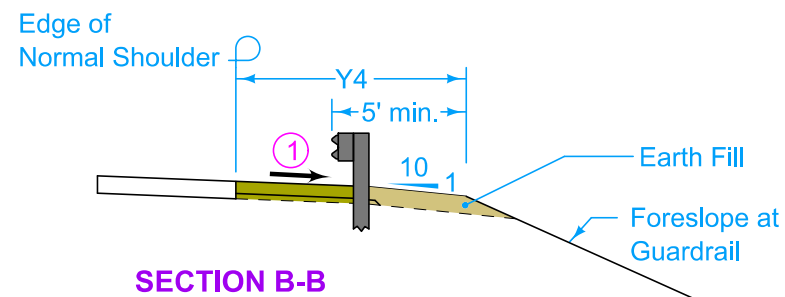
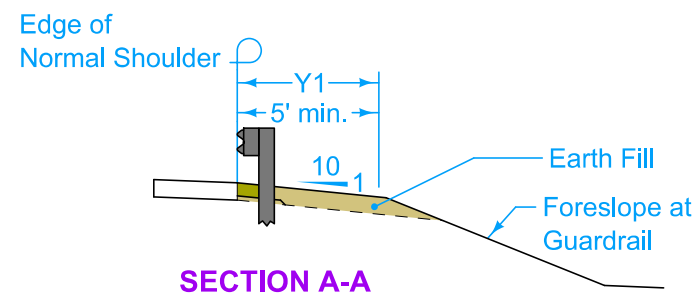
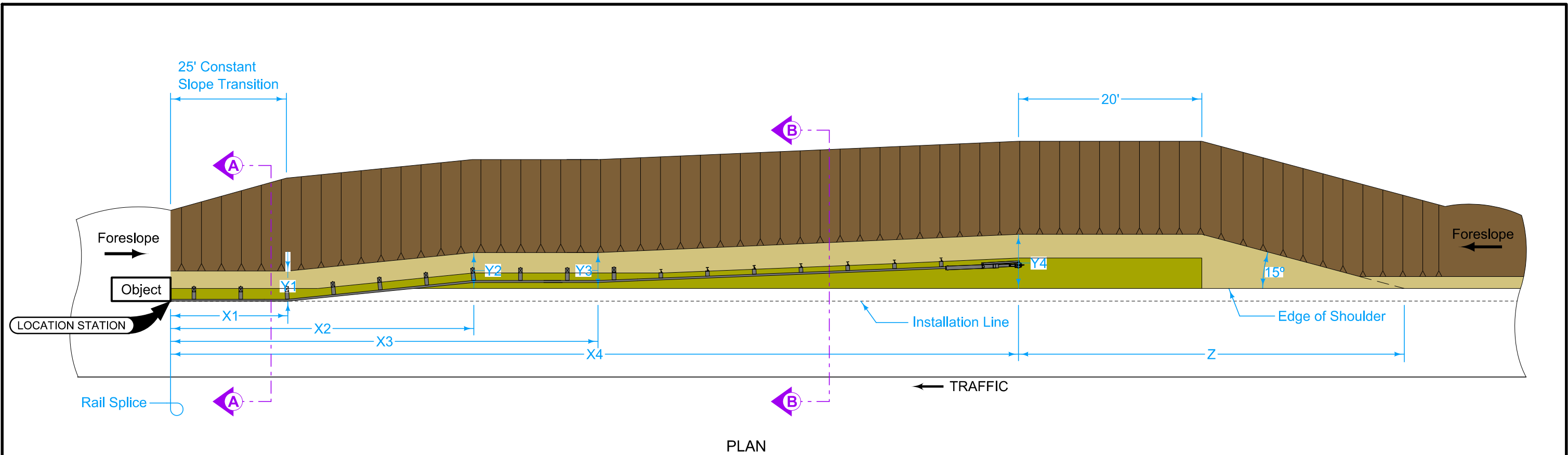
Possible Tabulation:
107-23

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 <i>Shant Miller</i>		
GUARDRAIL GRADING		

GUARDRAIL INSTALLATION LINE AT OR WITHIN 10 FEET OF SHOULDER

LEGEND

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



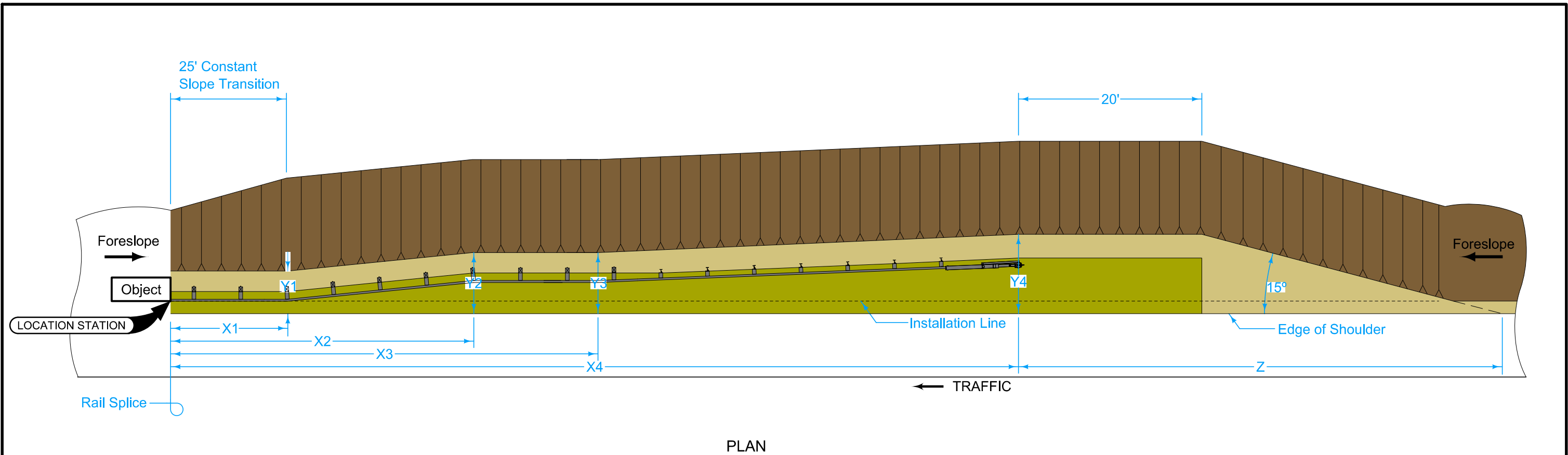
LEGEND	
	Foreslope at Guardrail
	Slope - 10:1
	Match adjacent shoulder.

GUARDRAIL INSTALLATION LINE WITHIN SHOULDER

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

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

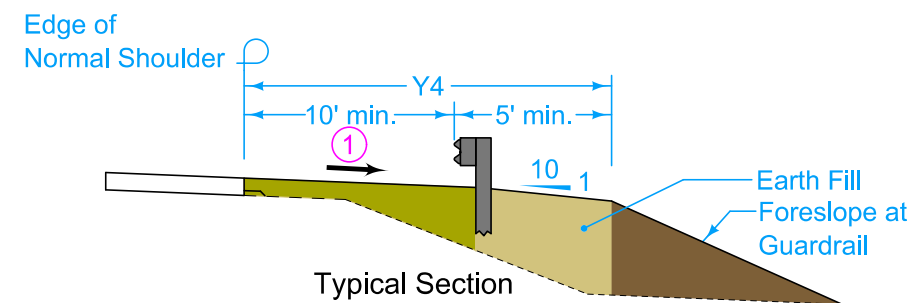
 STANDARD ROAD PLAN REVISIONS: Added Terminal Connector diagram.	REVISION			
	4	10-20-26		
	EW-301			
SHEET 2 of 4				
 APPROVED BY DESIGN METHODS ENGINEER				
GUARDRAIL GRADING				



① Match slope of adjacent shoulder.

X Measured from Location Station.

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

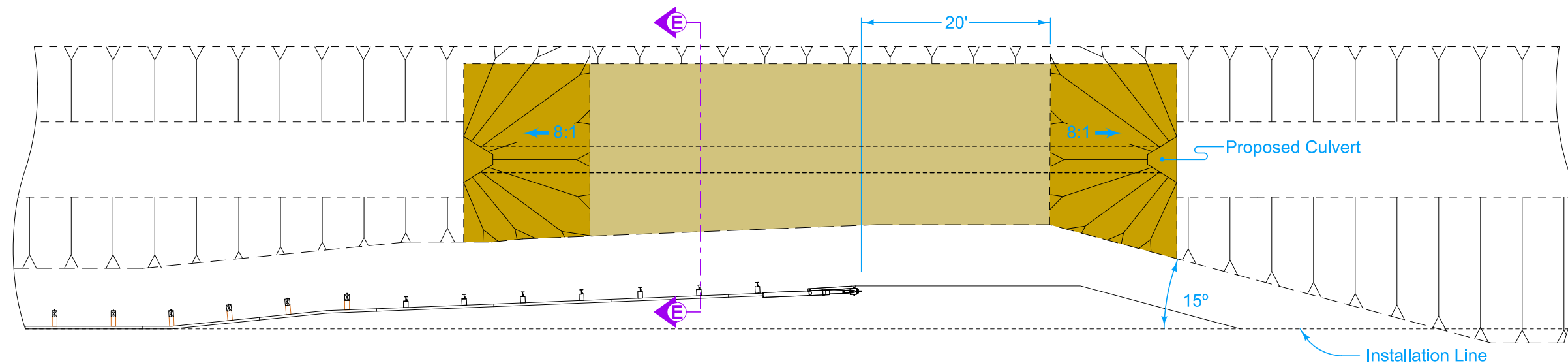


LEGEND	
	Foreslope at Guardrail
	Slope - 10:1
	Match adjacent shoulder.

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

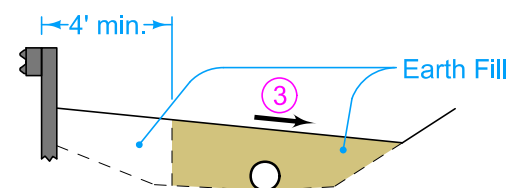
 IOWA DOT	REVISION	
	4	10-20-26
	EW-301	
STANDARD ROAD PLAN	SHEET 3 of 4	
REVISIONS: Added Terminal Connector diagram.		
		
APPROVED BY DESIGN METHODS ENGINEER		
GUARDRAIL GRADING		

GUARDRAIL INSTALLATION LINE BEYOND 10 FEET FROM SHOULDER



PLAN

- ② See sheets 1, 2, or 3 for unshaded areas.
③ 10:1 preferred; no steeper than 6:1.



SECTION E-E

LEGEND	
	Slope - 10:1
	Slope - 8:1

FILL OVER PIPE CULVERT ②

IOWA DOT	REVISION	
	4	10-20-26
STANDARD ROAD PLAN		EW-301
REVISIONS: Added Terminal Connector diagram.		SHEET 4 of 4
APPROVED BY DESIGN METHODS ENGINEER		
GUARDRAIL GRADING		