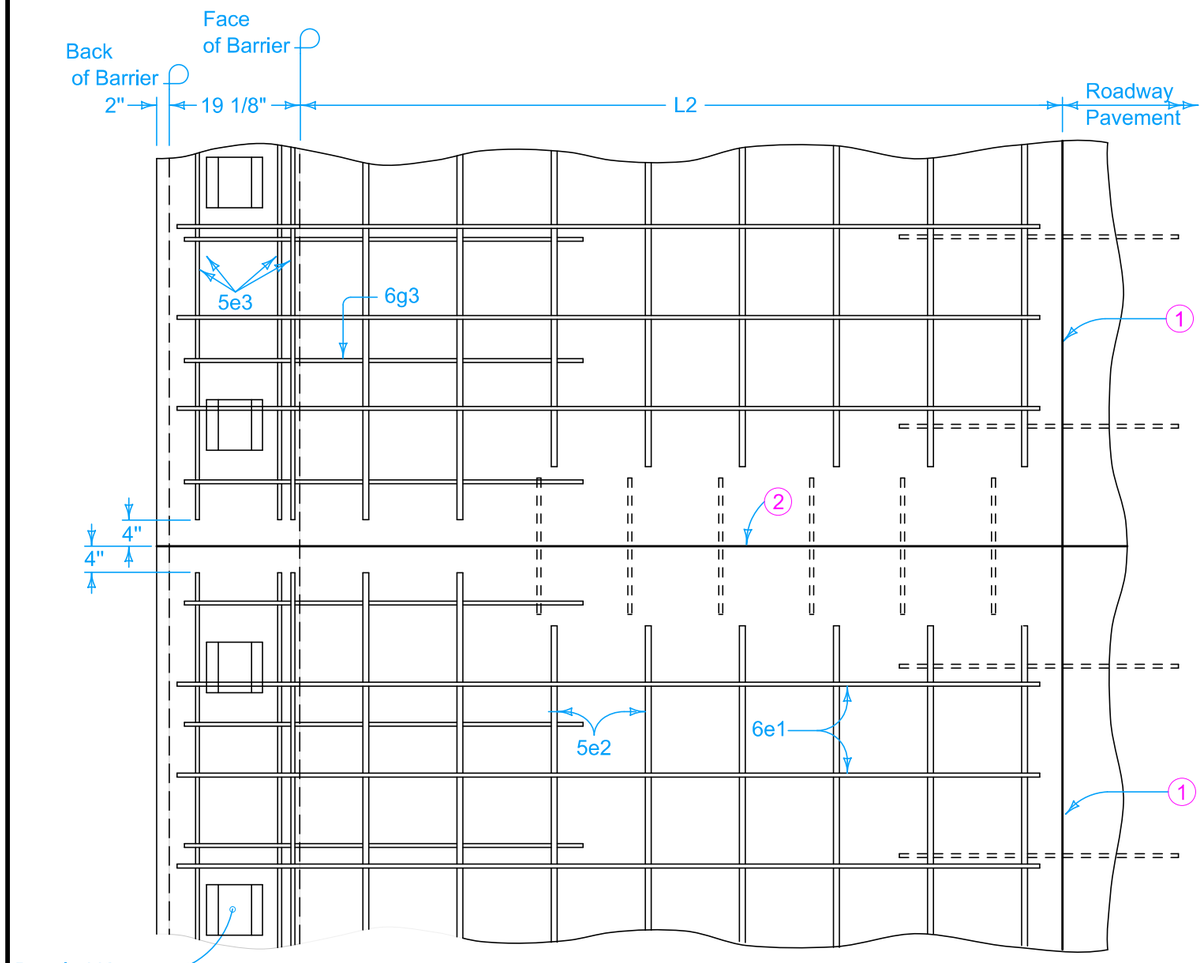
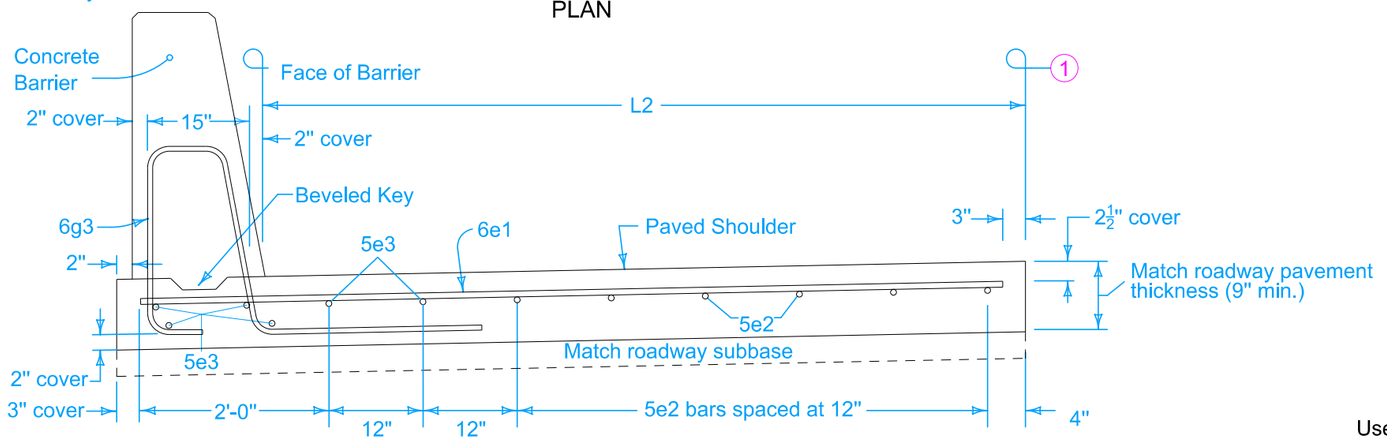
8255
04-21-26

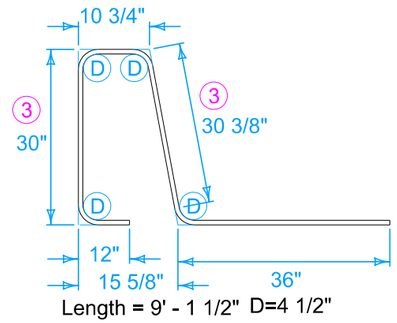


PLAN



TYPICAL SECTION

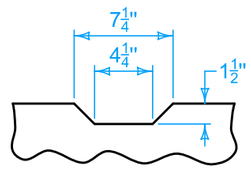
REINFORCING BAR LIST Per Shoulder Panel (Approximately 17 Linear Feet)				
L2	Bar	Number of Bars	Length	Spacing
8'	6e1	15	9'-1"	12"
	5e2	8	15'-0"	12"
10'	6e1	15	11'-1"	12"
	5e2	10	15'-0"	12"
12'	6e1	15	13'-1"	12"
	5e2	12	15'-0"	12"
Applies to all Shoulder Widths	5e3	6	16'-4"	See Drawing
	6g3	varies	varies	12"



Length = 9' - 1 1/2" D=4 1/2"

6g3

1. 'L-2' joint. When roadway pavement is existing, use 'BT-3' joint. See PV-101.
2. 'CD' joint. Match roadway joint locations. See PV-101. No 'CD' joint baskets required within 4' of outside edge of shoulder.
3. Increase these dimensions by one inch for every inch of paved shoulder thickness greater than 9 inches.



BEVELED KEY

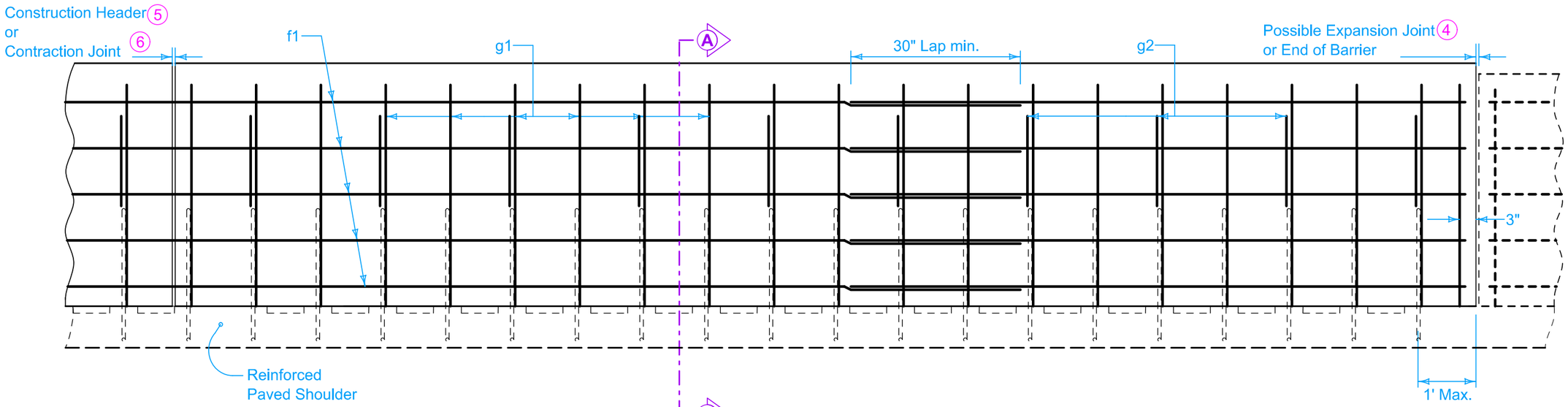
Use 2 x 8 lumber 8" long to make keys.
Place keys at 2'-8" centers.

Possible Contract Item:
Reinforced Paved Shoulder for Concrete Barrier

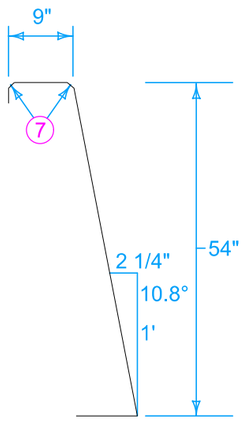
Possible Tabulation:
108-18B

PIER PROTECTION
REINFORCED PAVED SHOULDER

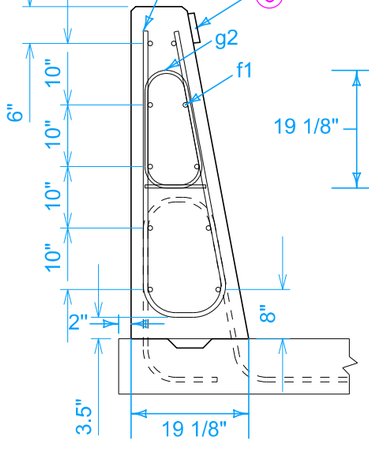
8255
04-21-26



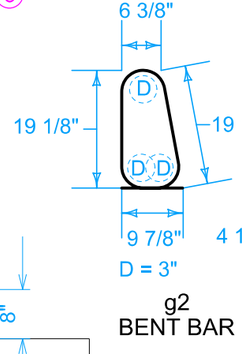
ELEVATION



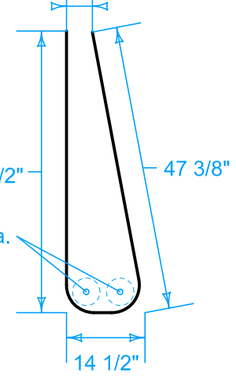
BARRIER FACE



SECTION A-A

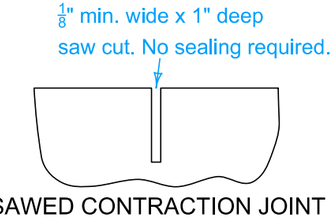


g2
BENT BAR



g1
BENT BAR

REINFORCING BAR LIST Per Section (Approx. 20 feet)					
Bar	Size	Number of Bars	Length	Weight (lbs.)	Spacing
g1	6	20	8' 5"	150	12"
g2	4	10	4' 9"	150	24"
f1	6	10	20'	204	—



SAWED CONTRACTION JOINT
Saw cut top and front face.
Saw cut back if exposed.

Use Grade 60 epoxy-coated reinforcing bars. Provide 2 inches minimum cover. Anchor all reinforcement to prevent movement. Secure each section at the front, back, and at 3 foot 6 inch intervals using a method approved by the Engineer.

(4) Expansion joints are necessary only where specifically required by project plans. Conform expansion material to the shape of the barrier. No sealer is required.

(5) Where abutting sections are placed as separate pours, a butt joint may be used. Extend longitudinal reinforcement into the abutting section a minimum of 3 feet.

(6) For barrier tied to pavement, match pavement joints. For free-standing barrier with integral footings, use 17 foot maximum, 15 foot minimum joint spacing.

(7) Fillet all exposed corners with a $\frac{3}{4}$ inch dressed and beveled strip.

(8) Place barrier markers at 100 foot increments in areas with non-continuous lighting, or 250 foot increments in areas with continuous lighting. Marker color to be the same as adjacent edge line.

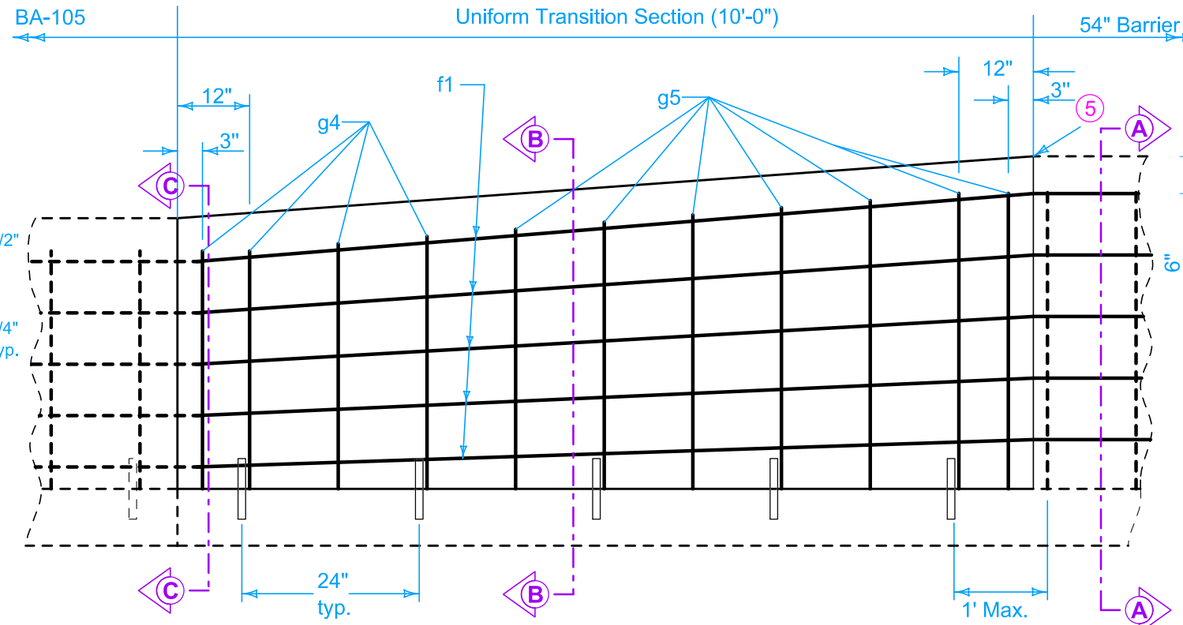
Possible Contract Item:
Concrete Barrier, BA-102 or
Concrete Barrier, BA-102 and Footing

Possible Tabulation:
108-18B

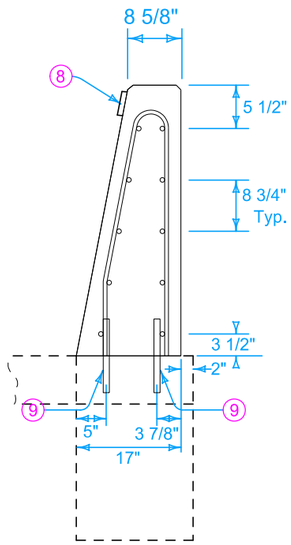
CONCRETE QUANTITIES
Per foot
0.20 cy

PIER PROTECTION
54" CONCRETE BARRIER
(HALF SECTION)

8255
04-21-26



ELEVATION



SECTION C-C

SECTION A-A

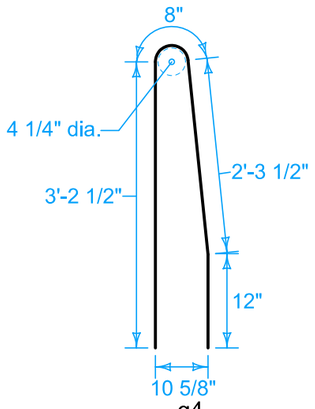
Use Grade 60 epoxy-coated reinforcing bars. Provide 2 inches minimum cover. Anchor all reinforcement to prevent movement. Secure each section at the front, back, and at 3'-6' intervals using a method approved by the Engineer.

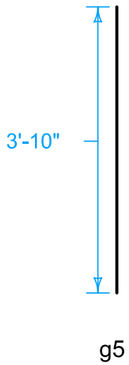
(5) Where abutting sections are placed as separate pours, a butt joint may be used. Extend longitudinal reinforcement into the abutting section a minimum of 3 feet.

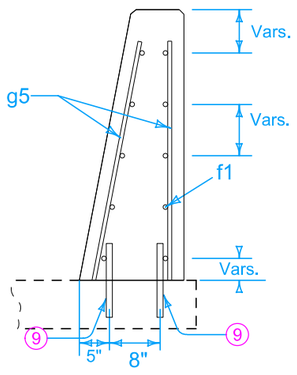
(9) Use 1 inch diameter deformed dowel bars of sufficient length to ensure 6 inch minimum embedment in barrier and supporting surface. Install dowels either in supporting surface when placed, or in drilled holes using polymer grout complying with Materials I.M. 491.11 or hydraulic cement grout complying with Materials I.M. 491.13.

(7) Fillet all exposed corners with a $\frac{3}{4}$ inch dressed and beveled strip.

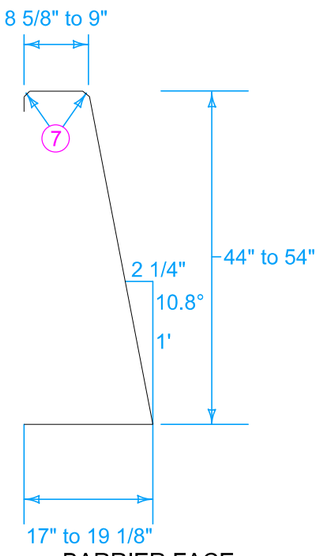
(8) Place barrier markers at 100 foot increments in areas with non-continuous lighting, or 250 foot increments in areas with continuous lighting. Marker color to be the same as adjacent edge line.







SECTION B-B



BARRIER FACE

REINFORCING BAR LIST Per Section					
Bar	Size	Number of Bars	Length	Weight (lbs.)	Spacing
g4	5	4	7' 2"	22	12"
g5	5	14	3' 10"	59	12"
f1	6	10	9' 9"	101	—

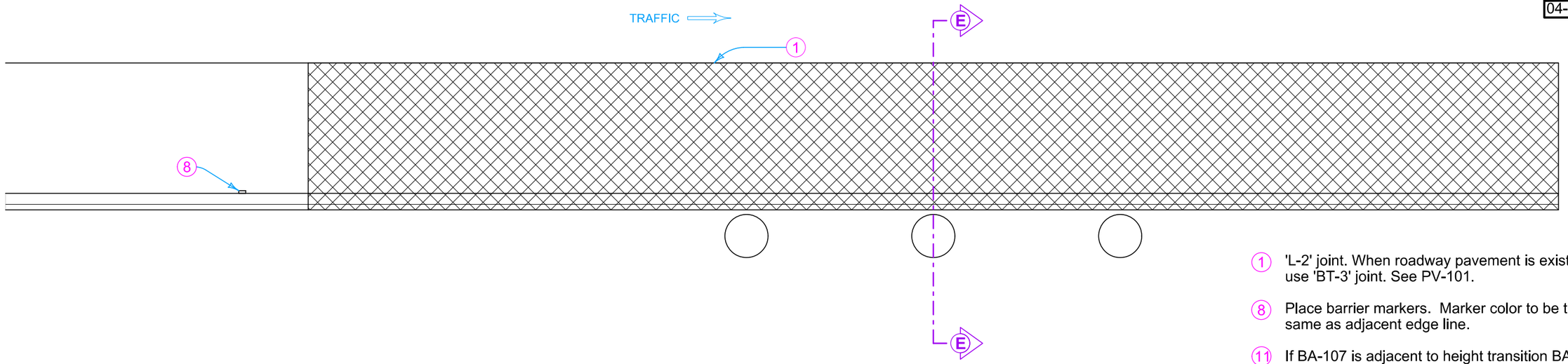
Possible Contract Item:
Concrete Barrier, BA-105 or
Concrete Barrier, BA-105 and Footing

Possible Tabulation:
108-18B

CONCRETE QUANTITIES
Per 10 ft section
1.7 cy

PIER PROTECTION
44" TO 54" CONCRETE BARRIER
HEIGHT TRANSITION SECTION

8255
04-21-26

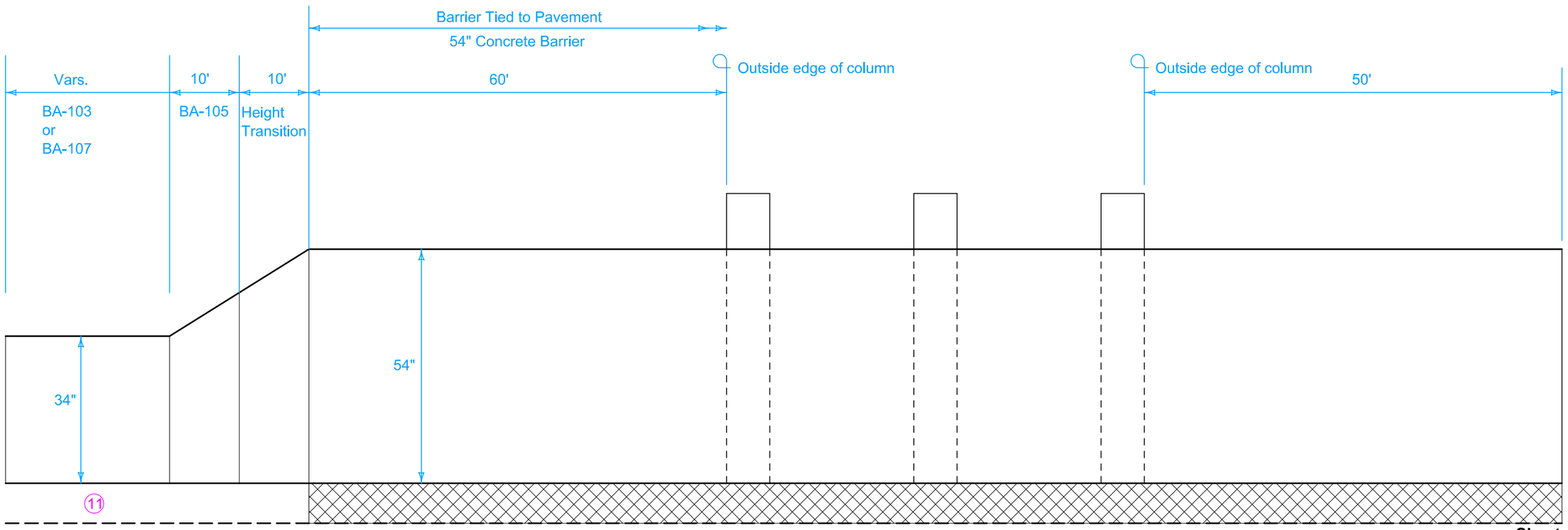


Plan

1 'L-2' joint. When roadway pavement is existing, use 'BT-3' joint. See PV-101.

8 Place barrier markers. Marker color to be the same as adjacent edge line.

11 If BA-107 is adjacent to height transition BA-106 shall extend to end of end section.

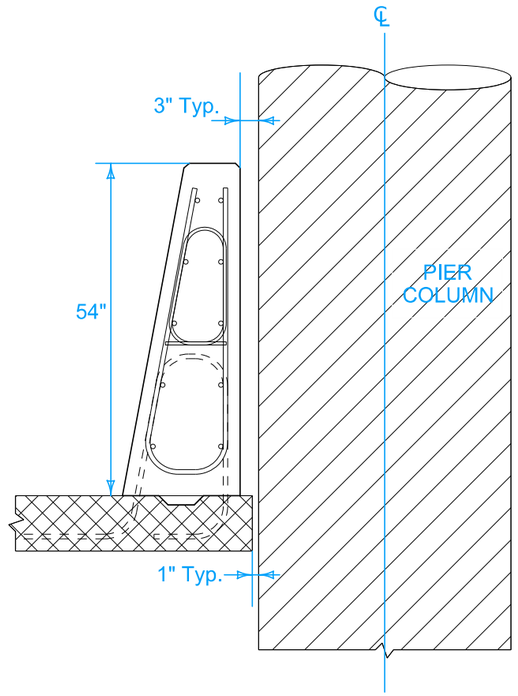


ELEVATION

REINFORCED PAVED SHOULDER

PIER PROTECTION
LAYOUT
SHOULDER

8255
04-21-26



SECTION E-E

PIER PROTECTION
LAYOUT
SHOULDER