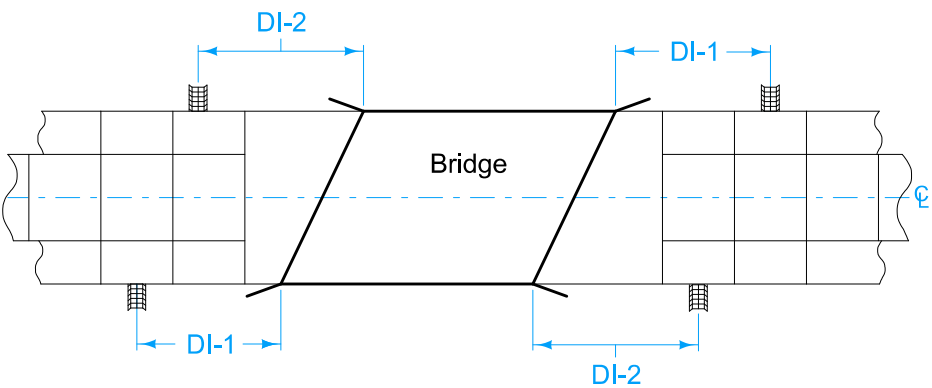
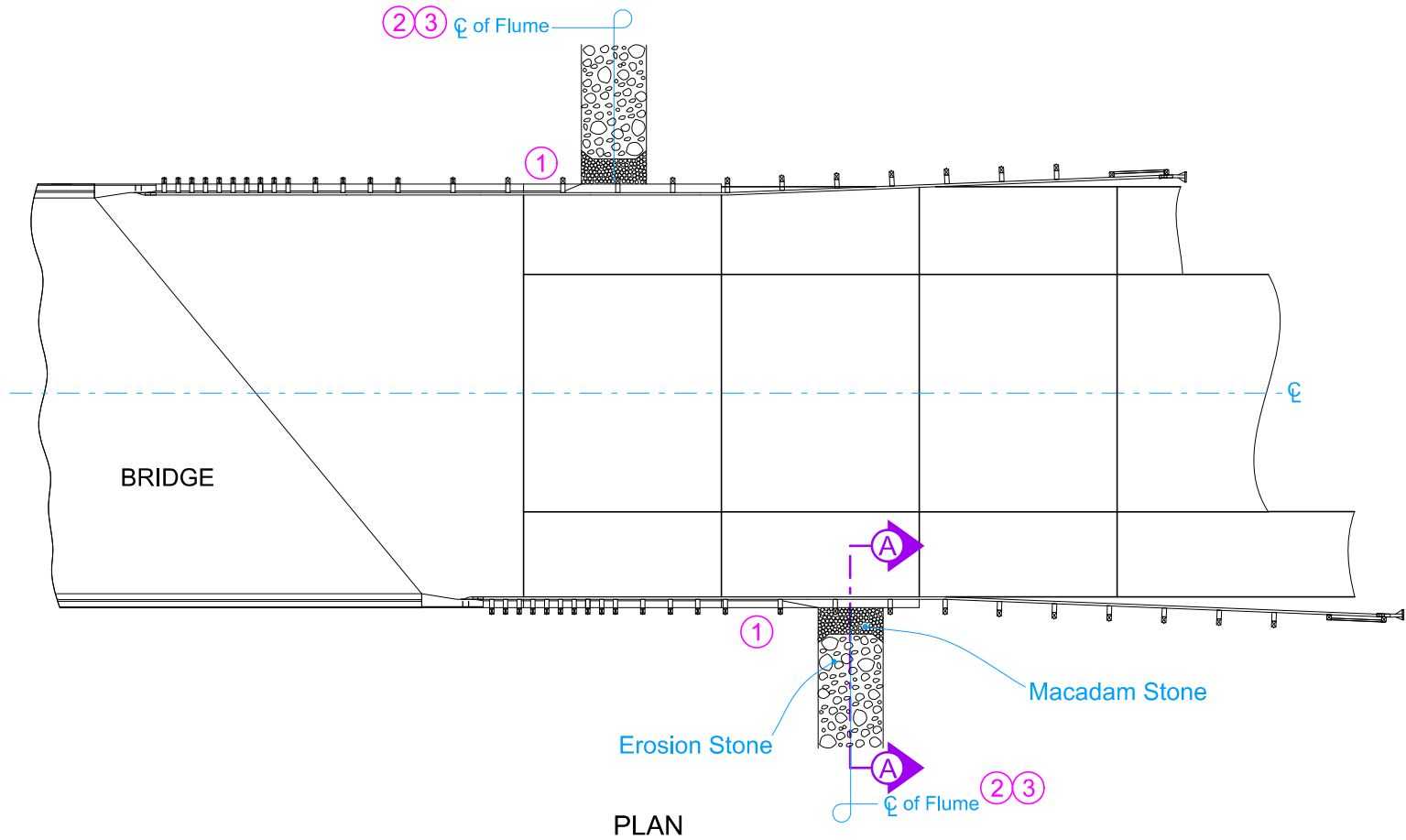
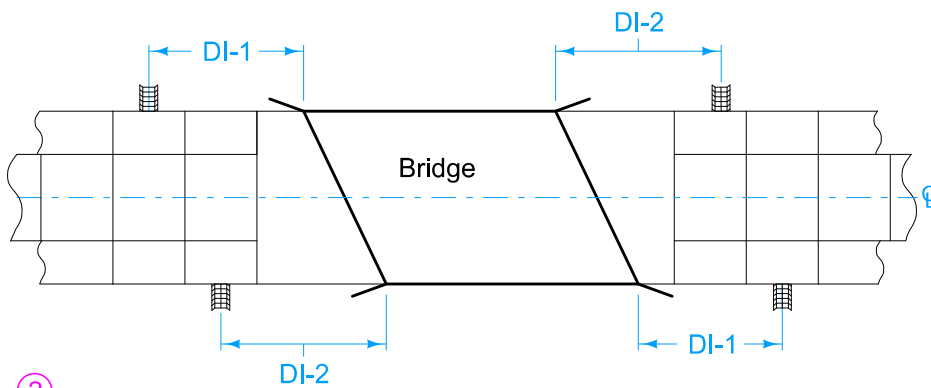




FLUME LOCATIONS
(Skewed Bridge)



FLUME LOCATIONS
(Non-Skewed Bridge)

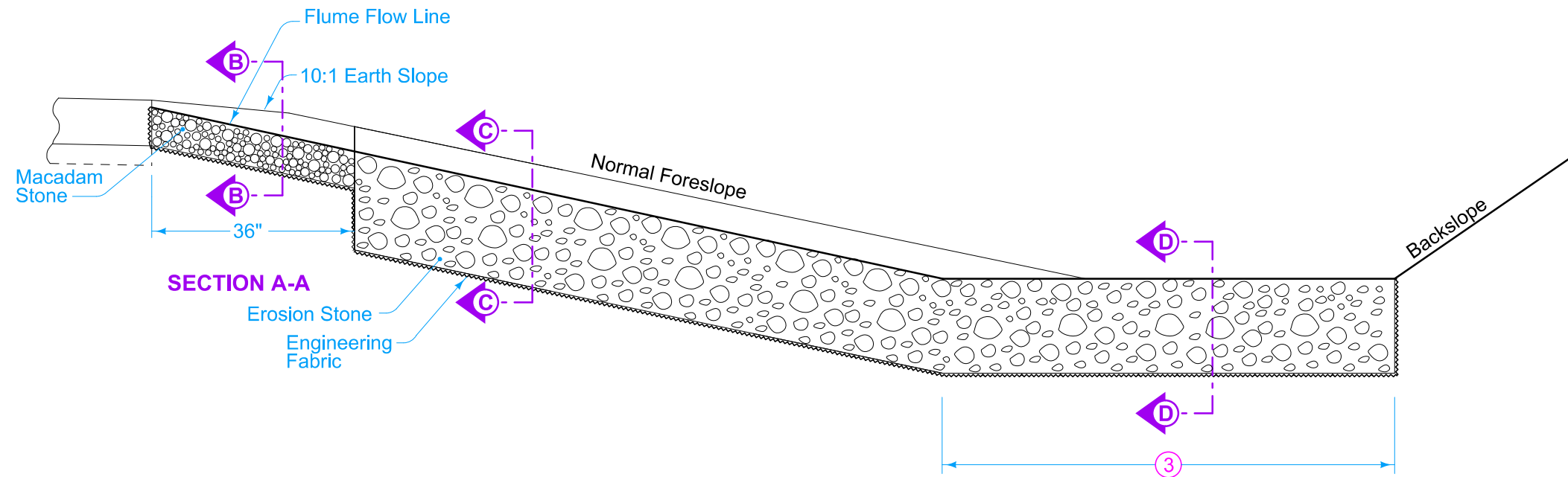
- Price bid for "Bridge End Drain, DR-402" is full compensation for furnishing, installing, and constructing the Bridge End Drain as shown.
- 1 Continue 4 inch sloped curb to edge of flume per section B-B. Refer to BR-201, BR-202, BR-203, BR-204, or BR-205 for details of 4 inch curb.
 - 2 DI-1 and DI-2 distances measured from center of Bolt Pattern. Refer to BA-202.
 - 3 Extend rock flume to toe of backslope. If no backslope exists, extend rock flume a minimum of 4 feet beyond the toe of foreslope.

Possible Contract Items:
Bridge End Drain, DR-402

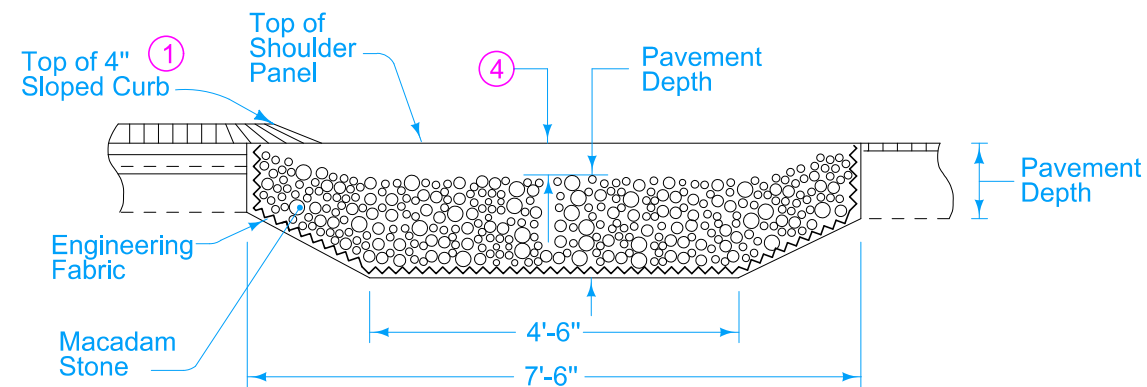
Incidental to Bridge End Drain:
Macadam Stone Base Material
Erosion Stone
Engineering Fabric
Excavation, hauling, and disposing of material

Possible Tabulation:
104-8A

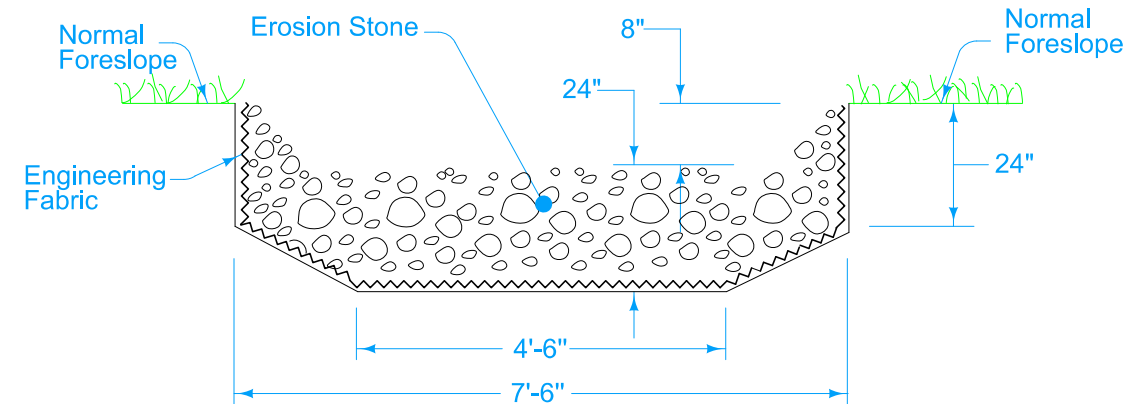
IOWA DOT	REVISION	
	7	04-16-24
STANDARD ROAD PLAN	DR-402	
SHEET 1 of 2		
REVISIONS: Added reference to BA-202 in note 2.		
<i>Shant Miller</i> APPROVED BY DESIGN METHODS ENGINEER		
ROCK FLUME FOR BRIDGE END DRAIN		



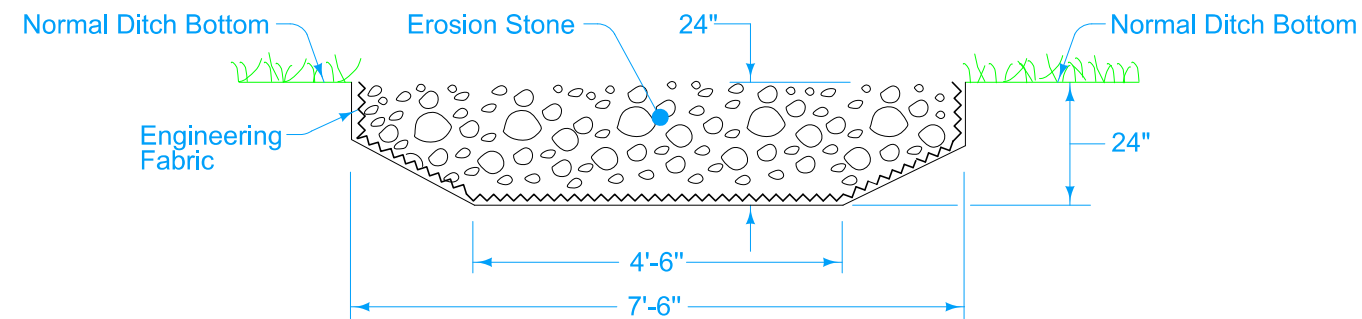
- ① Continue 4 inch sloped curb to edge of flume per section B-B. Refer to BR-201, BR-202, BR-203, BR-204, or BR-205 for details of 4 inch curb.
- ③ Extend flume to toe of backslope. If no backslope exists, extend rock flume a minimum of 4 feet beyond the toe of foreslope.
- ④ Transitions from 2 inches at edge of pavement to 8 inches within 3 feet.
- ⑤ Transition the flume flow line depth from 8 inches at the toe of slope to 0 inches with an approximate transition rate of 2 inches per 1 foot horizontal.



SECTION B-B



SECTION C-C



SECTION D-D ⑤

 IOWA DOT	REVISION	
	7	04-16-24
	DR-402	
	SHEET 2 of 2	
REVISIONS: Added reference to BA-202 in note 2.		
		
APPROVED BY DESIGN METHODS ENGINEER		
ROCK FLUME FOR BRIDGE END DRAIN		