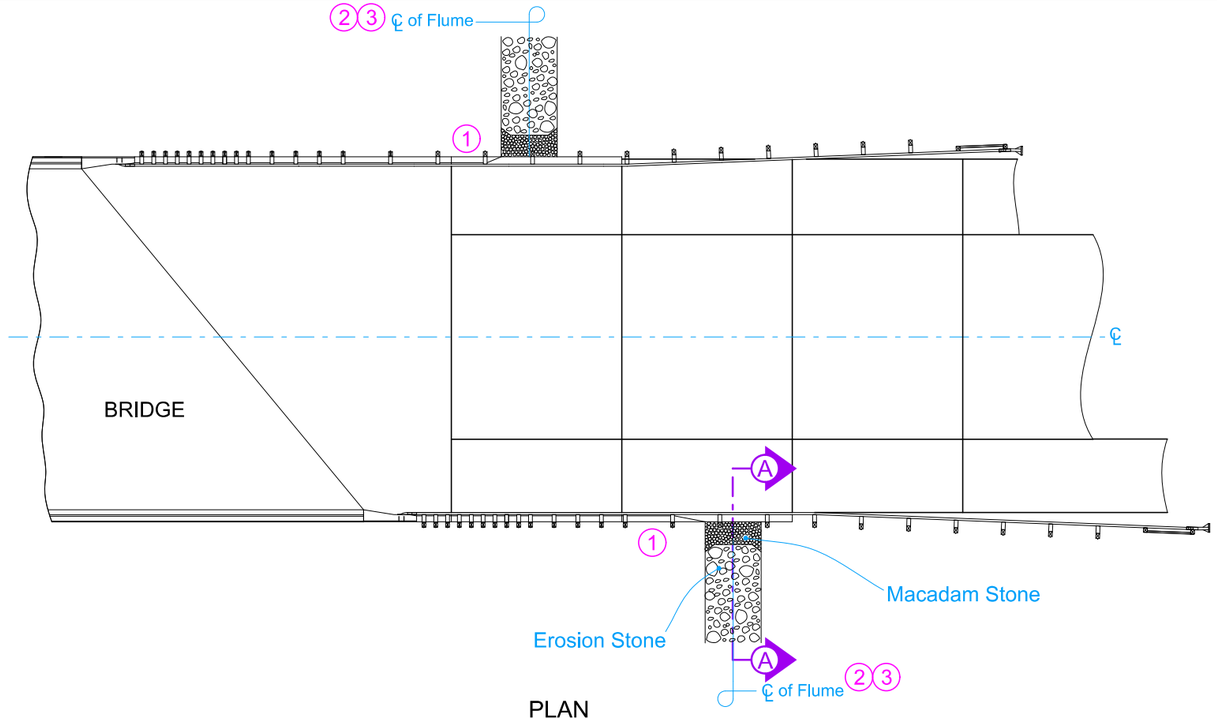
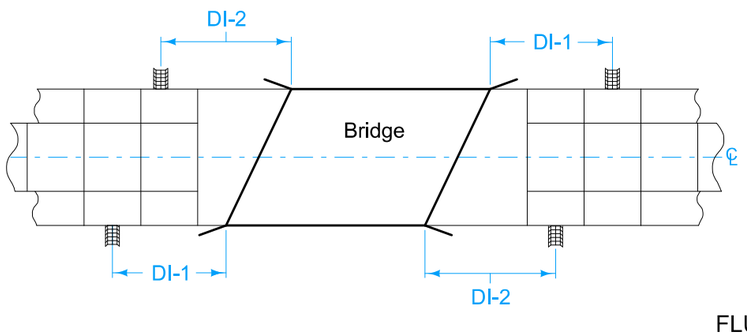
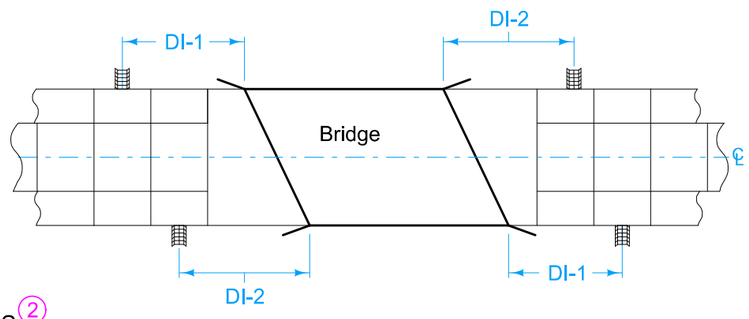
DESIGNER INFORMATION

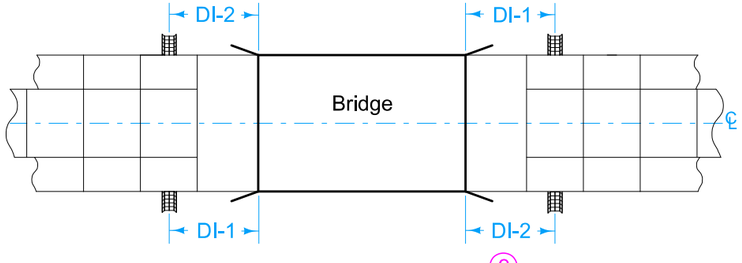


PLAN





FLUME LOCATIONS (2)
(Skewed Bridge)



FLUME LOCATIONS (2)
(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

STANDARD ROAD PLAN

REVISION	
7	04-16-24

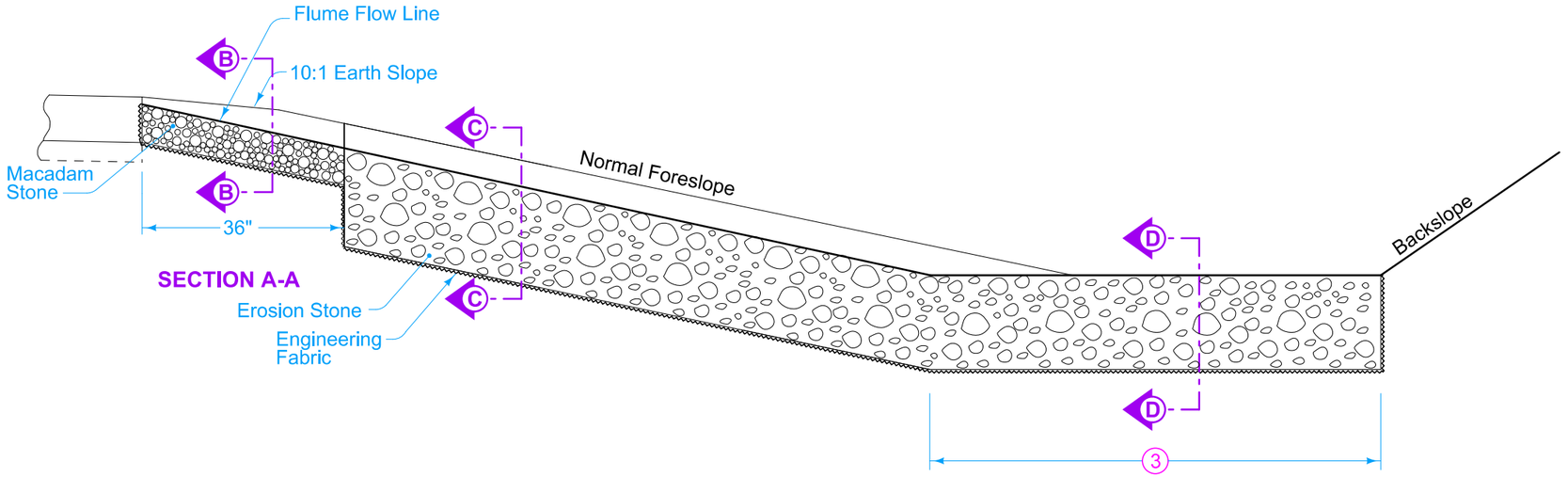
DR-402

SHEET 1 of 2

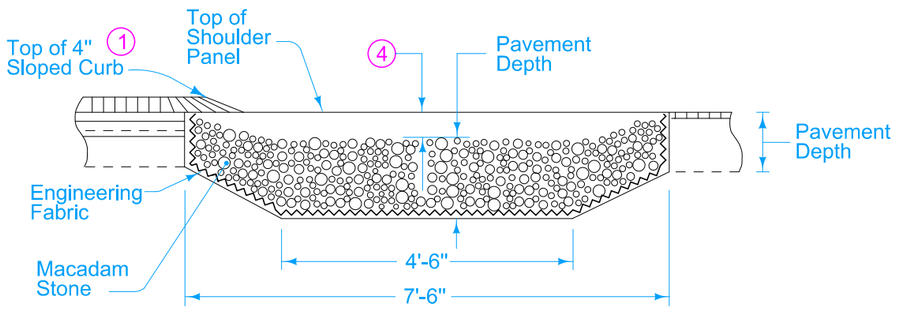
REVISIONS: Added reference to BA-202 in note 2.

APPROVED BY DESIGN METHODS ENGINEER

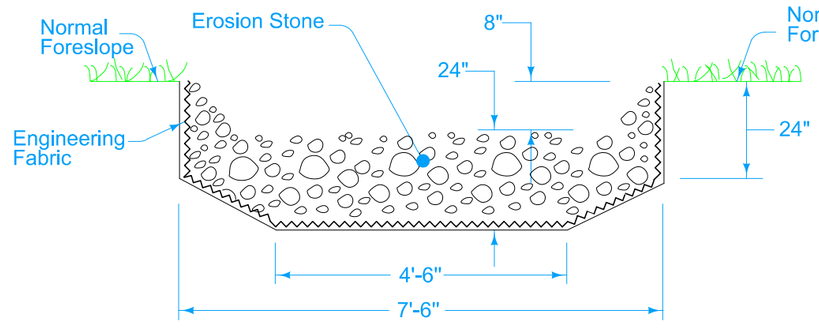
ROCK FLUME FOR BRIDGE END DRAIN



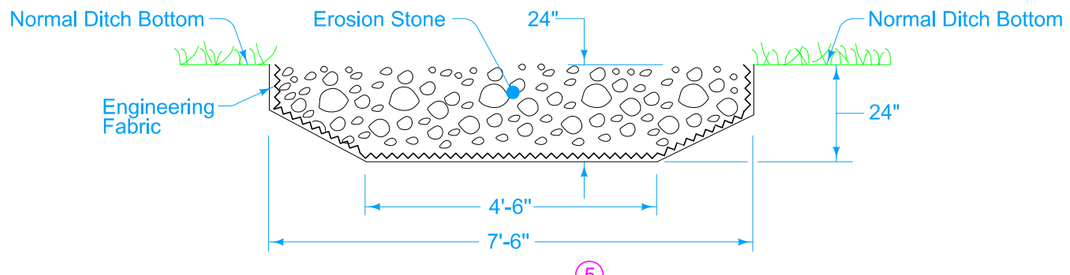
1. Continue 4 inch sloped curb to edge of flume per section B-B. Refer to BR-201, BR-202, BR-203, BR-204, or BR-205 for details of 4 inch curb.
3. Extend flume to toe of backlope. If no backslope exists, extend rock flume a minimum of 4 feet beyond the toe of foreslope.
4. Transitions from 2 inches at 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

STANDARD ROAD PLAN

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