

## DROP INLET PROTECTION

### APPLICATION NOTES:

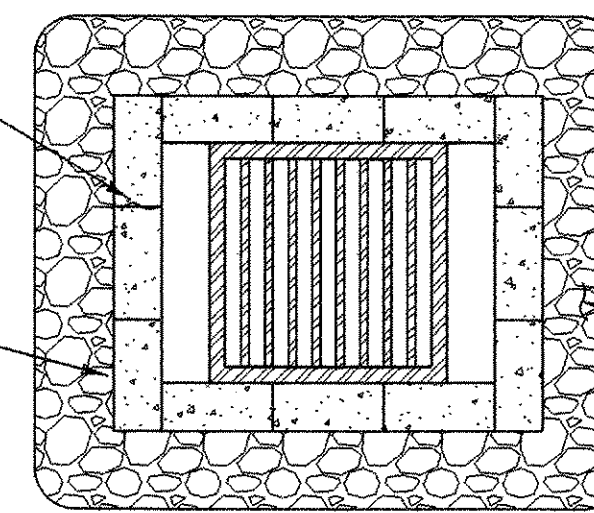
- A. THE PRIMARY PURPOSE OF DRAINAGE STRUCTURE INLET PROTECTION IS TO PREVENT SEDIMENT FROM ENTERING A DRAINAGE SYSTEM BY PONDING WATER WHICH ALLOWS SEDIMENT TO FALL OUT OF SUSPENSION.
- B. THESE EXAMPLES OF DROP INLET PROTECTION ARE NOT INTENDED FOR USE ON GRADES. ON GRADE THEY MAY CAUSE WATER TO BYPASS THE STRUCTURE, CREATING ADDITIONAL EROSION OR FLOODING.
- C. POSSIBLE MODIFICATIONS FOR USE ON GRADE INCLUDE ADDING A BERM DOWNSTREAM OF THE INLET TO CREATE PONDING. CHECK DAMS MAY ALSO BE USED UPSTREAM OF THE INLET TO SLOW VELOCITIES.

### GENERAL NOTES:

- 1. THE TOP OF THE INLET PROTECTION SHALL BE SET AT THE MAXIMUM DESIRED WATER LEVEL, BASED ON FIELD LOCATION AND CONDITIONS.
- 2. MEASURES SHALL BE INSPECTED EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF A STORM EVENT GREAT ENOUGH TO CAUSE WATER TO LEAVE THE CONSTRUCTION SITE.
- 3. MEASURES SHALL BE CLEANED AND REPAIRED AS NEEDED, SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES ONE-HALF OF THE MEASURE HEIGHT. SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIAL.
- 4. PAYMENT OF INLET PROTECTION SHALL BE MADE UNDER APPLICABLE ITEMS INCLUDED IN THE CONTRACT PLANS, ITEM 613.10 (MOD.-INLET PROTECTION)
- 5. PAYMENT FOR MONITORING INLET PROTECTION SHALL BE MADE UNDER THE MONITORING EROSION & SEDIMENT CONTROL PLAN ITEM.
- 6. PAYMENT FOR MAINTAINING INLET PROTECTION SHALL BE MADE UNDER THE FIELD MAINTENANCE OF EROSION & SEDIMENT CONTROL PLAN ITEM, UNLESS MAINTENANCE IS REQUIRED DUE TO POOR INSTALLATION PRACTICES.

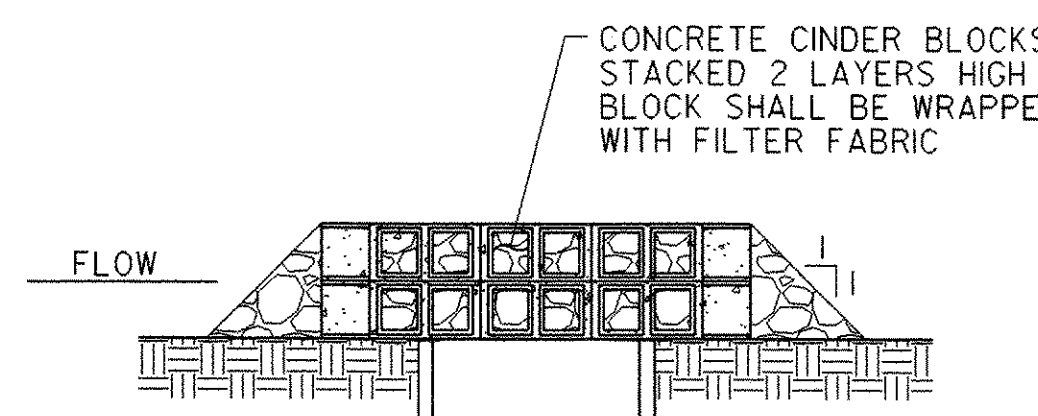
PLACE CONCRETE "CINDER" BLOCKS AROUND THE DRAINAGE STRUCTURE SO THAT OPEN AREAS OF BLOCKS ALLOW FLOW TO REACH THE GRATE.

PLACE FILTER FABRIC AROUND THE CONCRETE BLOCKS TO PREVENT CRUSHED STONE FROM ENTERING OPEN AREAS OF BLOCKS.



CRUSHED STONE (25 mm DIA. MIN.)

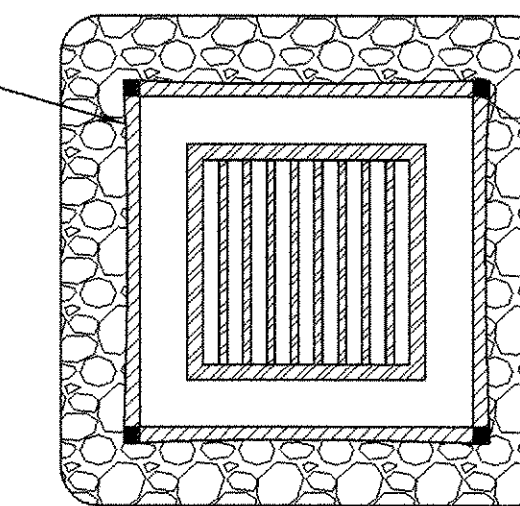
PLAN



SECTION

ROCK BARRIER DROP INLET PROTECTION  
TEMPORARY PAVED AREAS

PLACE FILTER FABRIC AROUND THE WIRE MESH TO PREVENT CRUSHED STONE FROM ENTERING THE DROP INLET.

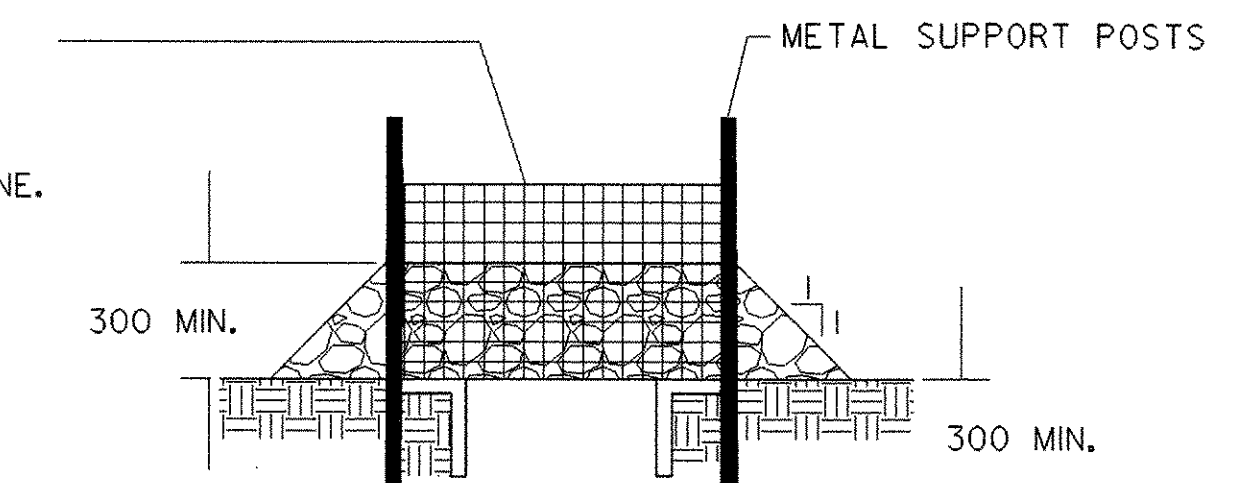


METAL SUPPORT POSTS

CRUSHED STONE (25 mm DIA. MIN.)

PLAN

WIRE MESH FENCE WITH 12 mm MAX. OPENINGS. FENCE WILL BE WRAPPED WITH FILTER FABRIC. SECURE TIGHTLY TO METAL SUPPORT POSTS BEFORE PLACEMENT OF CRUSHED STONE.



SECTION

ROCK BARRIER INLET PROTECTION  
TEMPORARY UNPAVED AREAS

## DROP INLET PROTECTION

PROJECT NAME:	DUXBURY	
PROJECT NUMBER:	STP 013-4 (24)	
FILE NAME: /str5/86e059/se059ecd.dgn	PROJECT LEADER: C. KELLER	PLOT DATE: 20-OCT-2005
DESIGNED BY: B. NYQUIST	CHECKED BY: T. SUMNER	DRAWN BY: N. GARBACIK
se059dip.i	SHEET 26	OF 62

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS (mm) EXCEPT WHERE NOTED.