

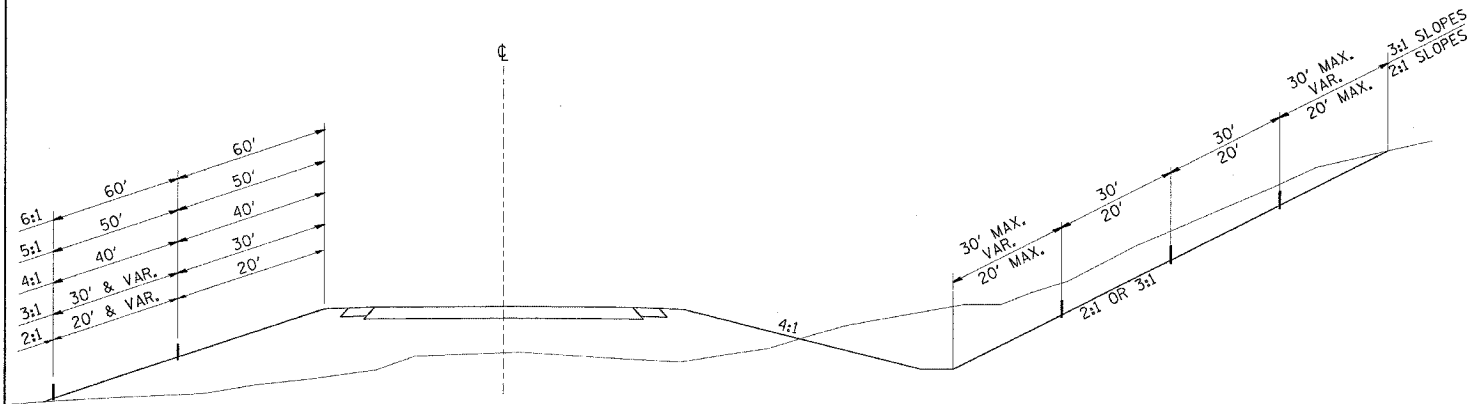
## PERIMETER EROSION BARRIER

SEE SCHEDULE SHEETS 39-42 FOR LOCATIONS

&

## FENCE (EROSION CONTROL)

SEE PLAN SHEETS 77-87, AND SCHEDULE SHEETS 39-42 FOR LOCATIONS



SECTIONAL VIEW OF INSTALLATION

THIS WORK SHALL COMPLY WITH ALL REQUIREMENTS OF SECTION 280 OF THE STANDARD SPECIFICATION FOR TEMPORARY EROSION CONTROL.

## ENERGY DISSIPATOR

F. A. L. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
24	*	JOHNSON	150	109
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

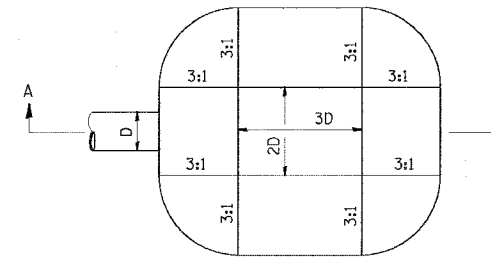
\* (44-5,6)RS, BSMART FY04-3  
98836

### EARTH EXCAVATION FOR ENERGY DISSIPATOR

THIS WORK INVOLVES THE EXCAVATION OF EARTH AS SHOWN IN THE SKETCH TO THE LENGTH, WIDTH, AND DEPTH AS SPECIFIED. THE EARTH EXCAVATION WILL BE UTILIZED IN THE ROADWAY EMBANKMENT OR WASTED AS DIRECTED BY THE ENGINEER.

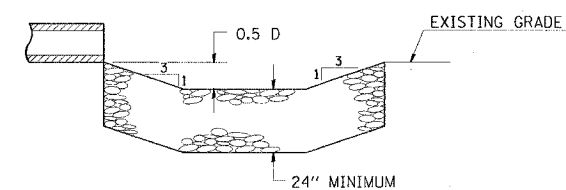
EARTHWORK WILL BE CONSIDERED INCLUDED IN THE COST OF THE RIPRAP.

ENERGY DISSIPATOR IS TO BE CONSTRUCTED AT THE LOCATION INDICATED ON THE PLAN SHEETS.



D= INSIDE DIAMETER OF PIPE CULVERT OR CLEAR HEIGHT OF BOX CULVERT

PLAN



SECTION A-A

### RIPRAP FOR ENERGY DISSIPATOR

RIPRAP FOR ENERGY DISSIPATOR SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 281 OF THE STANDARD SPECIFICATIONS EXCEPT AS REVISED HEREIN.

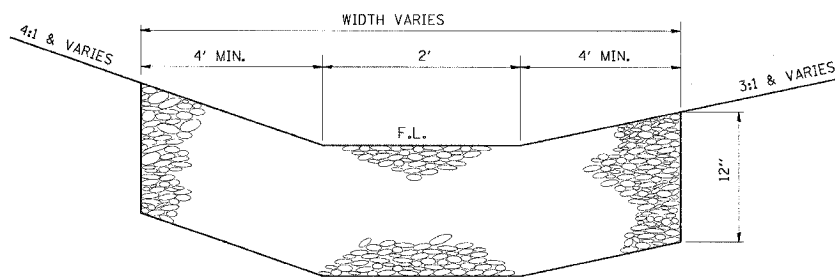
THE LENGTH, WIDTH, AND DEPTH FOR RIPRAP PLACEMENT SHALL BE AS SPECIFIED IN THESE DETAILS, UNLESS OTHERWISE INDICATED IN THE PLANS.

THE RIPRAP FOR THE ENERGY DISSIPATOR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR **STONE DUMPED RIPRAP, CLASS A4**

FILTER FABRIC AND BEDDING MATERIAL AS SPECIFIED IN SECTION 281 OF THE STANDARD SPECIFICATIONS WILL NOT BE REQUIRED.

REVISIONS	
REDRAWN	2-15-89
REVISED	11-3-93
REVISED	8-15-94
STD 9-6	

## TYPICAL DETAIL OF STONE RIPRAP DITCH LINING



### NOTES

THIS WORK INCLUDES THE EARTH EXCAVATION REQUIRED TO PLACE THE RIPRAP AS SHOWN. THE MATERIAL RESULTING FROM THE EARTH EXCAVATION SHALL BE PLACED IN THE ROADWAY EMBANKMENT, OR WASTED AS DIRECTED BY THE ENGINEER. THE EARTHWORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE DITCH.

THE RIPRAP DITCH SHALL BE CONSTRUCTED AT THE LOCATIONS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER. CONSTRUCTION OF THE STONE RIPRAP DITCH SHALL CONFORM TO THE REQUIREMENTS FOR CLASS A3 RIPRAP AS INDICATED IN SECTION 281 OF STANDARD SPECIFICATIONS.

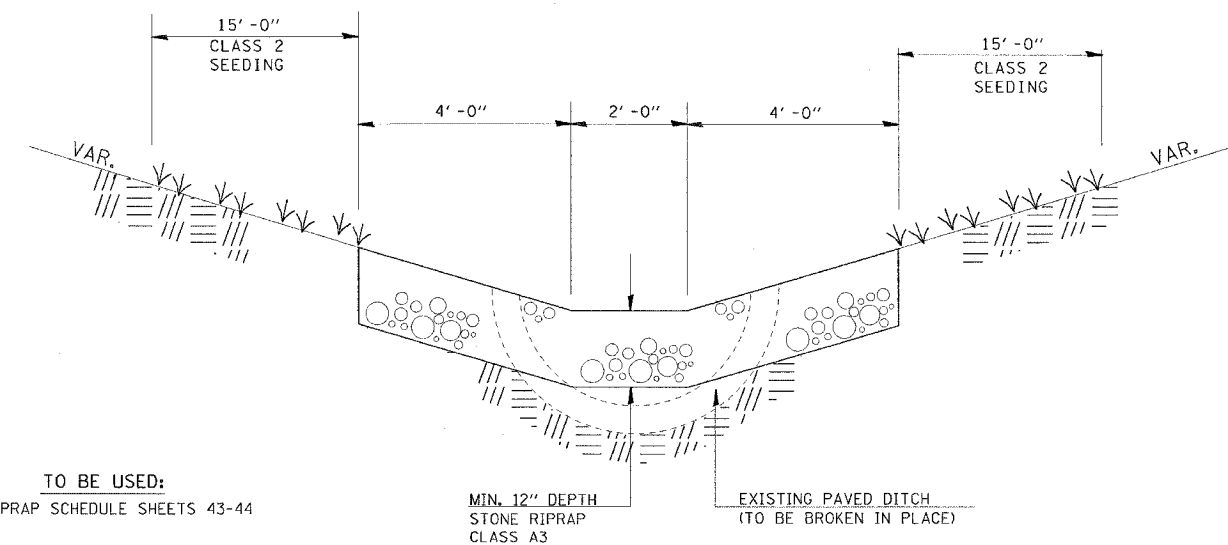
THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR **STONE RIPRAP, CLASS A3**, WHICH PRICE SHALL INCLUDE ALL MATERIAL, LABOR AND EQUIPMENT TO COMPLETE THE WORK IN PLACE AS SHOWN.

BEDDING MATERIAL AND FILTER FABRIC AS SPECIFIED IN SECTION 281 OF THE STANDARD SPECIFICATIONS WILL NOT BE REQUIRED.

THE WIDTH OF THE RIPRAP DITCH WILL BE AS SPECIFIED IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

## DETAIL STONE RIPRAP DITCH

(ON EXISTING PAVED DITCH)



### TO BE USED:

SEE RIPRAP SCHEDULE SHEETS 43-44

MIN. 12" DEPTH  
STONE RIPRAP  
CLASS A3

EXISTING PAVED DITCH  
(TO BE BROKEN IN PLACE)

NOTE: THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON, FOR **STONE RIPRAP DITCH**, WHICH PRICE SHALL INCLUDE ALL MATERIAL LABOR AND EQUIPMENT TO COMPLETE THE WORK IN PLACE AS SHOWN.

THE FINISHED SIDESLOPES OF THE STONE RIPRAP DITCH SHALL MATCH THE EXISTING GRADE.

DETAILS: PERIMETER EROSION BARRIER; STONE RIPRAP DITCH LINING;  
ENERGY DISSIPATOR; STONE RIPRAP DITCH