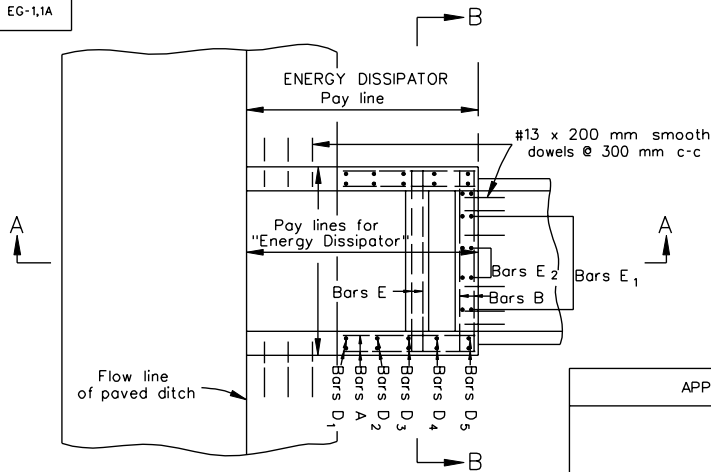
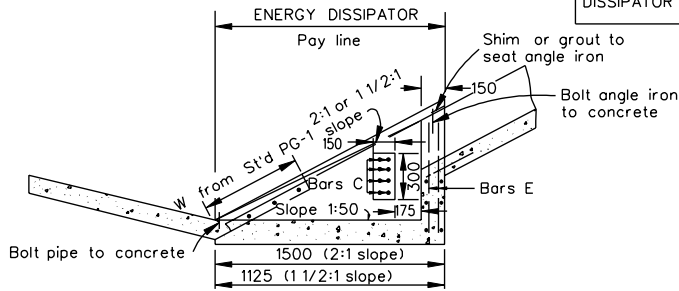


REVISED ON 9/97

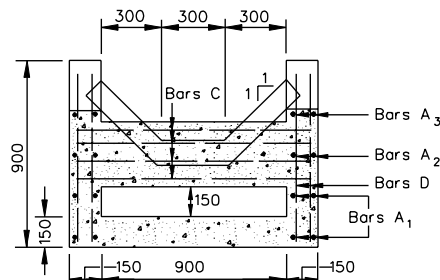
EG-1,1A



PLAN VIEW  
(No grate shown)



SECTION A-A



SECTION B-B

Notes:

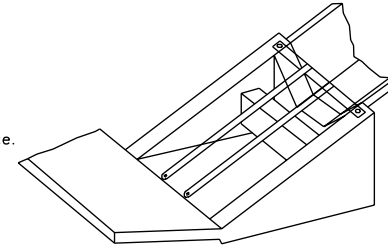
Amount of paved ditch replaced by "Energy Dissipator" tabulated by depths as shown in Standard PG-2A.

This item may be precast or cast in place.  
Concrete to be Class 20 if cast in place.

For precast see sheet 111.02.

The 2:1 design may be used on either 1 1/2:1 or 2:1 slopes.

EG-1 - Energy Dissipator without grate.  
EG-1A - Energy Dissipator with grate.

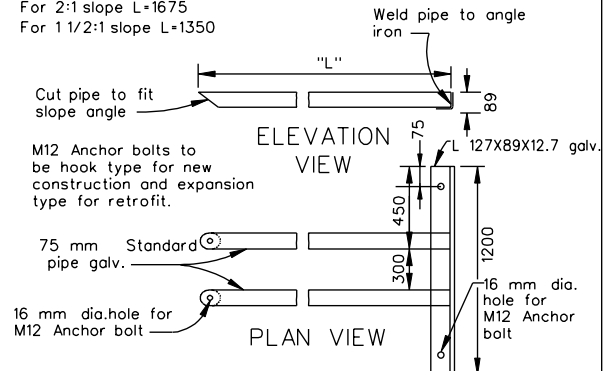


SCHEDULE OF REINFORCING STEEL

MARK	NO.	LENGTH		SIZE	SPACING C-C	SHAPE
		2:1	1-1/2:1			
A1	8	860	860	#10	200	STRAIGHT
A2	4	760	560	#10	200	STRAIGHT
A3	4	320	250	#10	200	STRAIGHT
B	6	1140	1140	#10	200	STRAIGHT
C	8	1120	1120	#13	65	STRAIGHT
D1	4	360	200	#10	200	STRAIGHT
D2	4	470	340	#10	200	STRAIGHT
D3	4	570	480	#10	200	STRAIGHT
D4	4	670	620	#10	200	STRAIGHT
D5	4	760	760	#10	200	STRAIGHT
E1	4	600	600	#10	200	STRAIGHT
E2	4	440	440	#10	200	STRAIGHT

APPROXIMATE QUANTITIES			
		CONCRETE	REINFORCING STEEL
		m <sup>3</sup>	kg
ENERGY DISSIPATOR	2:1	0.60	28
	1-1/2:1	0.50	26

For 2:1 slope L=1675  
For 1 1/2:1 slope L=1350



SAFETY GRATE DETAIL

STANDARD ENERGY DISSIPATOR  
FOR USE WITH PAVED FLUMED

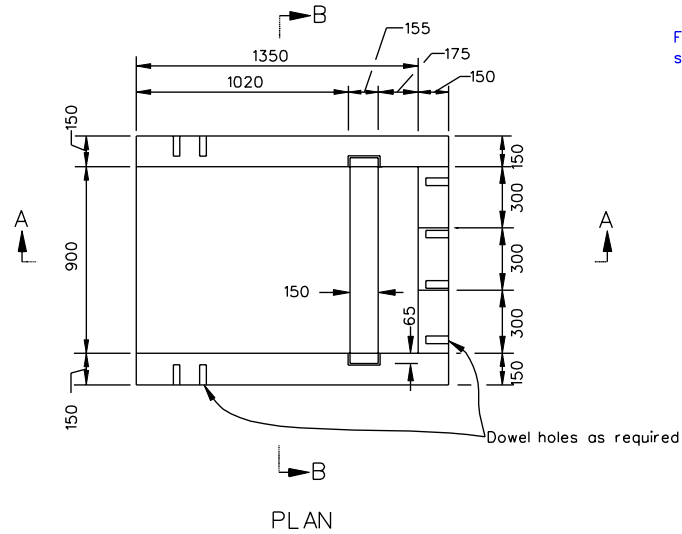
VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION  
REFERENCE

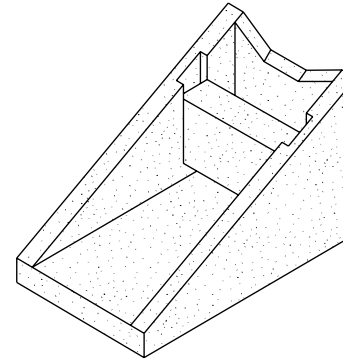
502

111.01

UNLESS OTHERWISE NOTED, ALL DIMENSIONS  
ON THIS SHEET ARE IN MILLIMETERS



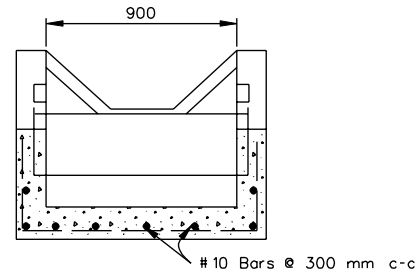
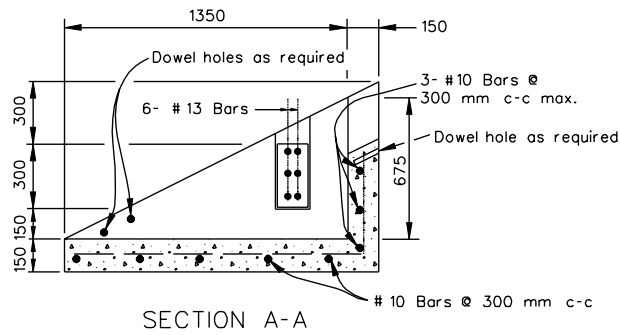
For details of safety see St'd. EG-1



ISOMETRIC VIEW

EG-1 PC-Energy Dissipator (without grate)  
EG-1A PC-Energy Dissipator (with grate)

1. Concrete strength 30 MPa minimum.
2. Reinforcing shall conform to A.S.T.M A615M Grade 300.
3. All units shall be for a 2:1 slope unless special ordered.
4. Dowel holes provided to prevent settlement of adjacent concrete.
5. Dimensions shown for concrete thickness are minimum. Actual measurements may vary with manufacturer's tolerances.



SPECIFICATION REFERENCE

105

# PRECAST ENERGY DISSIPATOR

VIRGINIA DEPARTMENT OF TRANSPORTATION

UNLESS OTHERWISE NOTED, ALL DIMENSIONS ON THIS SHEET ARE IN MILLIMETERS

111.02