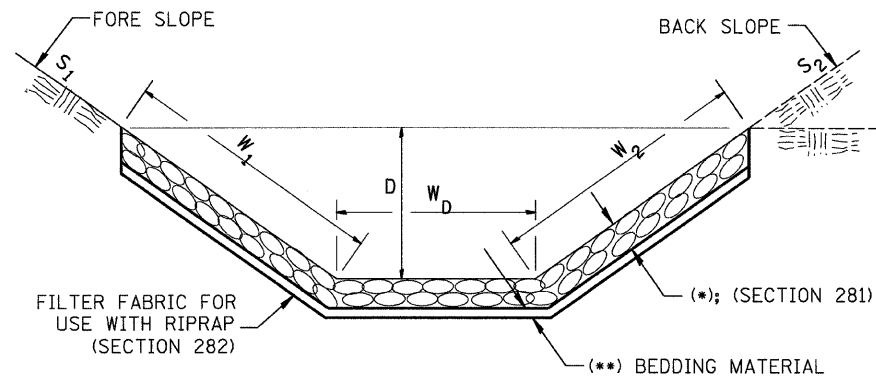


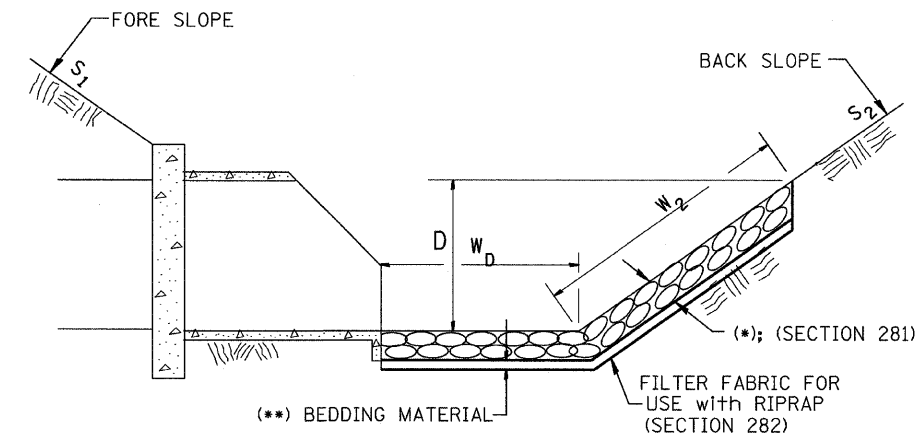
**CASE 1  
(DITCH)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	m	m	m tons	m <sup>2</sup>
TOTAL				

(1) WIDTH =  $W_1 + W_2 + W_D$

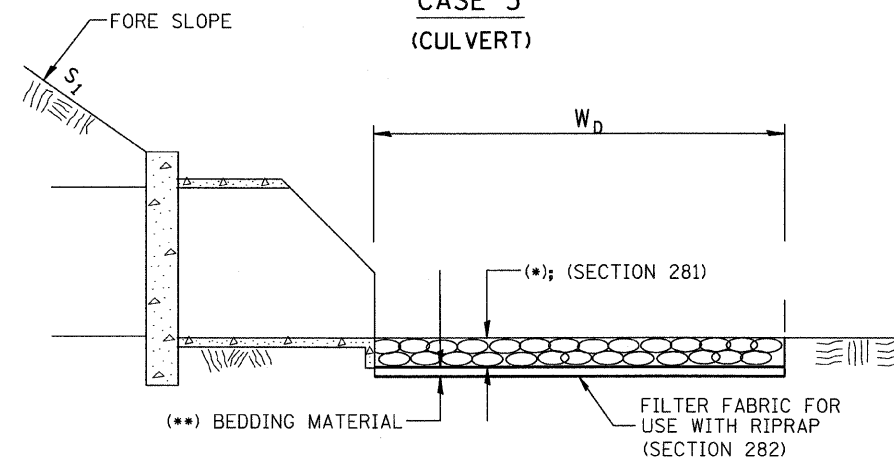
**CASE 2  
(CULVERT & SLOPE)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	m	m	m tons	m <sup>2</sup>
TOTAL				

(1) WIDTH =  $W_2 + W_D$

**CASE 3  
(CULVERT)**



(*)					
LOCATION		WIDTH (1)	LENGTH	RIPRAP	FABRIC
ALIGNMENT	STATION	m	m	m tons	m <sup>2</sup>
FRONTAGE ROAD NO. 3	1+073.3	4.0	4.0	18.0	16.0
FRONTAGE ROAD NO. 3	1+522.3	3.3	20.0	84.5	77.0
SERVICE DRIVE NO. 5	1+013.0	5.1	9.4	42.0	38.5
TOTAL				144.5	131.5

(1) WIDTH =  $W_D$

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

All dimensions are in millimeters (inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
SPECIAL DETAIL SHEET

RIPRAP DITCH FOR EROSION PROTECTION

CADD DETAIL 281001-D4  
SCALE: NOT DRAWN TO SCALE  
DATE 04/28/08  
DRAWN BY CADD  
CHECKED BY ECM

DATE	REVISIONS	BY
1-1-97	RENUM. A-12.02, NEW REVISION BOX	T.P.
12-1-97	CORRECT FILTER FABRIC LEADER ARROW	J.A.

\$\$\$DATE\$\$\$