

CASE 1
(DITCH)

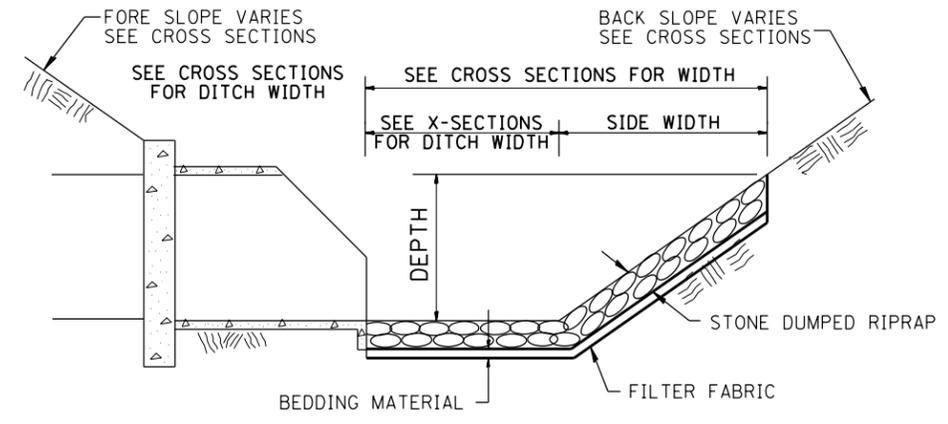
| DEPTH | SIDE WIDTH | |
|-------|------------|-----------|
| | 1:3 SLOPE | 1:6 SLOPE |
| 6" | 1.5' | 3.0' |
| 12" | 3.0' | 6.0' |
| 18" | 4.5' | 9.0' |
| 24" | 6.0' | 12.0' |

NOTE:
IN TRANSITIONAL AREAS, SIDE WIDTH WILL VARY ACCORDING TO SIDE SLOPE

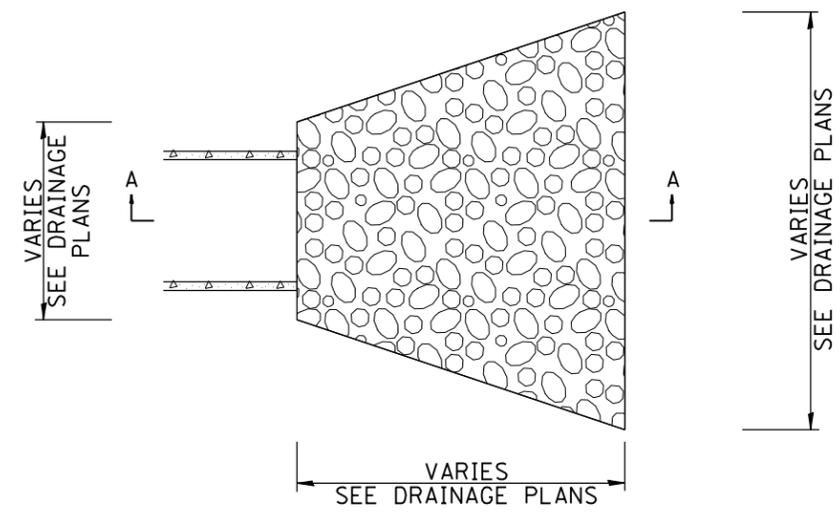
| GRADATION | MIN. THICKNESS | BEDDING THICKNESS |
|-----------|----------------|-------------------|
| 6" | 1.5' | --- |
| 12" | 3.0' | 6" |
| 18" | 4.5' | 8" |
| 24" | 6.0' | 10" |

NOTES

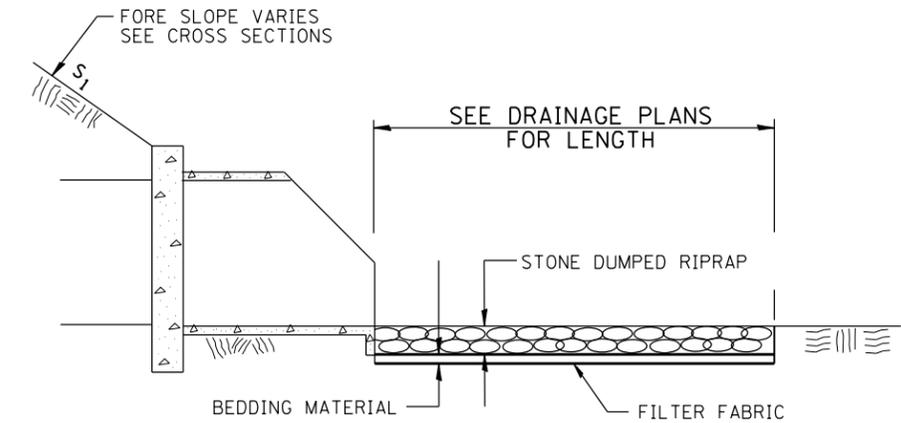
THE EXACT LENGTH, WIDTH AND DEPTH FOR RIPRAP PLACEMENT WILL BE DETERMINED BY THE ENGINEER.
THE RIPRAP MATERIAL SHALL CONFORM TO CLASS A OR CLASS B QUALITY.
FILTER FABRIC WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR FILTER FABRIC FOR USE WITH RIPRAP.



CASE 2
(CULVERT & SLOPE)



CASE 3
(OUTLET END RIPRAP APRON)



SECTION A-A
(CULVERT OUTLET-RIPRAP APRON)

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).
All dimensions are in inches (millimeters) unless otherwise noted.

| | | | |
|---|-----------------------------|----------------|-----------|
| FILE NAME = | USER NAME = zach1 | DESIGNED - DBS | REVISED - |
| D468409-SHT-17-DETAILS-RIPRAP DITCH FOR | EROSION PROTECTION.dgn | DRAWN - PSBA | REVISED - |
| | PLOT SCALE = 100.0000' / 1" | CHECKED - CSB | REVISED - |
| | PLOT DATE = 10/16/2012 | DATE - 10/2012 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | |
|--|--|
| SPECIAL DETAILS | |
| RIPRAP DITCH FOR EROSION PROTECTION | |
| SCALE: | SHEET NO. 17 OF 21 SHEETS STA. TO STA. |

| | | | | |
|---------------------------|-----------|-----------|--------------|-----------|
| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 313 | 7-2 ; 6-1 | HENDERSON | 976 | 538 |
| CONTRACT NO. 68409 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |