SECTION D-D

No chamfer on bottom of coping

SECTION F-F

Slope earth from top of curb to natural ground

SECTION E-E
Where riprap terminates 2'-0" outside of coping line

SECTION E-E
Where riprap terminates more than 2'-0" outside of coping line

INDIANA DEPARTMENT OF TRANSPORTATION

RIPRAP SLOPEWALL DETAILS

SEPTEMBER 2011

STANDARD DRAWING NO. E 616-SWRR-01

/s/ Richard L. VanCleave 09/01/11
DESIGN STANDARDS ENGINEER DATE

/s/ Mark A. Miller 09/01/11
CHIEF HIGHWAY ENGINEER DATE
Concrete curb (at ends of riprap) (1 ft equivalent to 0.09 yd³ of riprap)

Top of riprap elev.

Sodding

2'-0"

8" conc. toe wall to be constructed at ends of riprap (1 ft. of toe wall equivalent to 0.37 yd³ of riprap)

This area of riprap to be considered toe wall (1 ft. equivalent to 0.64 yd³ of riprap)

SECTION THROUGH PRECAST RIPRAP

INDIANA DEPARTMENT OF TRANSPORTATION

RIPRAP SLOPE WALL DETAILS

SEPTEMBER 2011

STANDARD DRAWING NO. E 616-SWRR-02

/s/ Richard L. VanCleave 09/01/11
DESIGN STANDARDS ENGINEER

/s/ Mark A. Miller 09/01/11
CHIEF HIGHWAY ENGINEER

NOTES:
1. See Standard Drawing E 616-SWRR-01 for Section F-F.
2. If riprap is specified, 1'-0" hand-laid riprap or precast concrete riprap type A may be used.
3. Precast concrete riprap:
   Type A: H = 7 5/8" (8" nom.)
   Type B: H = 3 5/8" (4" nom.)

PLAN - PRECAST CONCRETE RIPRAP
(Type A shown)

SECTION THROUGH PAVED DITCH AT TOE OF SLOPE
(See layout on plans for location of paved ditch)