NOTES:
1. See Section F-F on Standard Drawing E 616-SWCO-03 for Section C-C.
2. Where hand-laid riprap is used under a structure, a drainage configuration similar to that shown for precast concrete riprap shall be used. See Standard Drawing E 616-SWRR-02 for such configuration.
3. Toe wall is not required adjacent to a pier or bent.

SECTION THROUGH CONCRETE SLOPEWALL

2'-0"

1'-0"

Concrete toewall (1 ft of toewall equivalent to 0.64 sys of slopewall) (3)

8" conc. toewall to be constructed at ends of slopewall. (1 ft of toewall equivalent to 0.37 sys of slopewall.)

SECTION THROUGH HAND-LAI D RIPRAP

4" conc. slopewall

Concrete curb (at ends of slopewall)

84 x 3'-0" spa. @ 1'-0"

No. 3 Reinforcement

Typical section through slopewall at structures without berms

INDIANA DEPARTMENT OF TRANSPORTATION

CONCRETE AND RIPRAP
SLOPEWALL DETAILS

SEPTEMBER 2011

STANDARD DRAWING NO. E 616-SWCO-04

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

/\ Mark A. Miller 09/01/11 CHIEF HIGHWAY ENGINEER DATE

RICHARD L. VANCLEAVE PROFESSIONAL ENGINEER

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