NOTES:
1. See Standard Drawing E 616-SWCO-03 for Sections A-A, B-B, and C-C.
2. When paved slopewall abuts or surrounds columns, piers or other structures, use 1/2" bituminous expansion joint material between slopewall and structure.
3. If slopewall is specified, 1'-0" hand-laid riprap or precast concrete riprap type A may be used.
4. This dimension shall be increased to 5'-0" where no curb is used on the bridge.

INDIANA DEPARTMENT OF TRANSPORTATION

CONCRETE SLOPEWALL DETAILS

SEPTEMBER 2011

STANDARD DRAWING NO. E 616-SWCO-01

/s/ Richard L. VanCleave 9/01/11
DESIGN STANDARDS ENGINEER DATE

/s/ Mark A. Miller 9/01/01
CHIEF HIGHWAY ENGINEER DATE
NOTES:
1. These configurations to be used with precast or hand-laid riprap.
2. See Standard Drawing E 616-SWRR-01 for Sections D-D, E-E, and F-F.
3. This dimension shall be increased to 5'-0" where no curb is used on the bridge.
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.

2. See General Plan for stations and locations of Inlets and pipe.

* Dimension varies according to roadway width and type of drain used

PLAN
(to be used on structures without berms)
1. Precast concrete riprap may be used as an alternate to concrete slopewall only on a structure having a berm adjacent to a cap.

2. For appropriate casting, see Standard Drawing E 720-CDS-01.

3. For additional details of type D inlet, see Standard Drawing E 720-INST-03.

4. WWR shall be placed within the middle third of slopewall thickness and shall extend through all construction joints.

5. WWR 6" x 6", W2.9 x W2.9 at 42 lb/100 sq. ft., or equivalent.

INDIANA DEPARTMENT OF TRANSPORTATION

SLOPEWALL AND DRAINAGE DETAILS

SEPTEMBER 2011

STANDARD DRAWING NO. E 616-SWCO-07

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

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