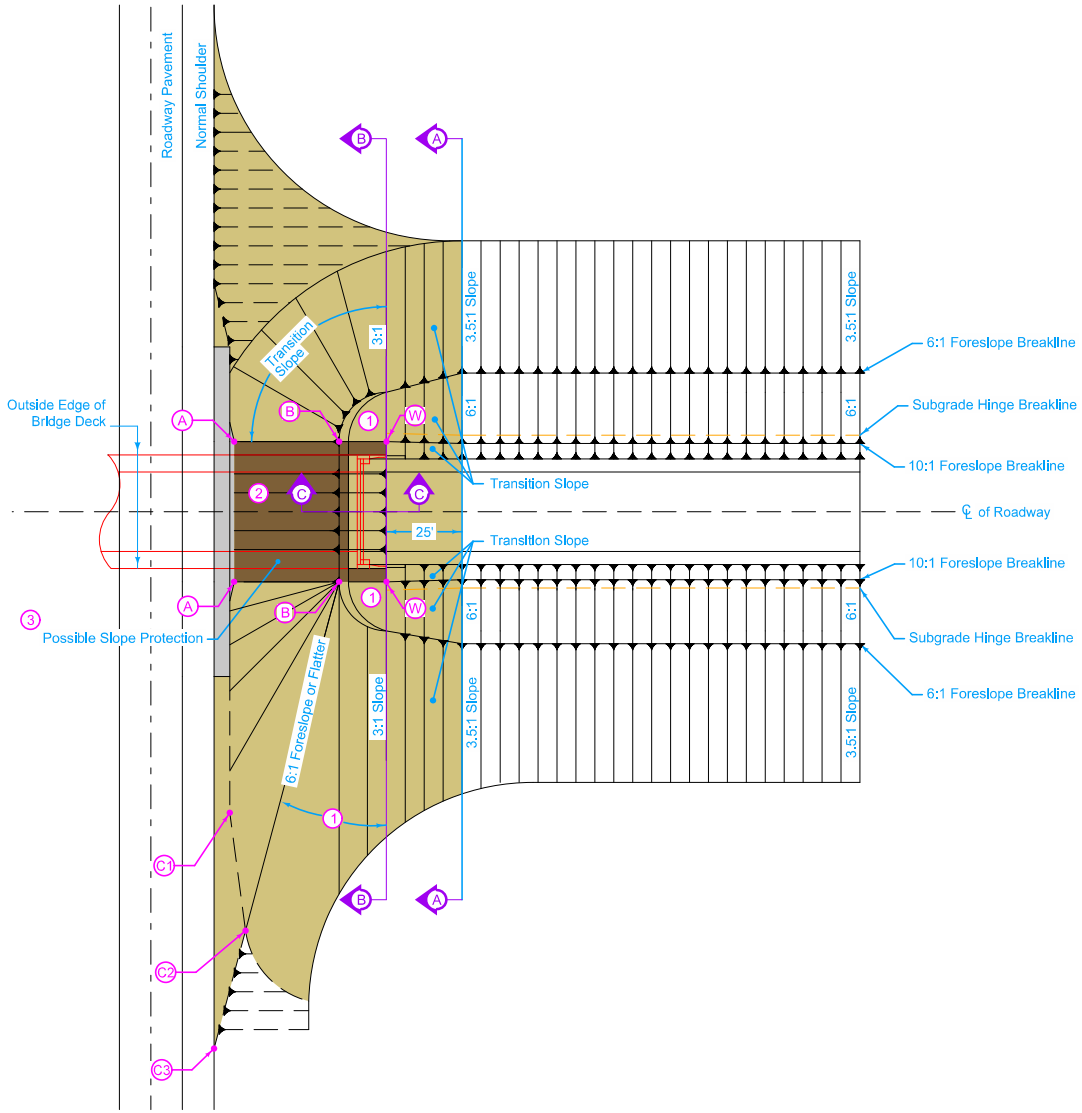

PLAN VIEW OF BRIDGE BERM (BARNROOF FORESLOPE)

Grading Surface:
Refer to berm slope location table in project plans for locations of A, B, C, W and possible other points.

The cost of removal, stockpiling and placement of macadam stone shall be considered incidental to "Paved Shoulder, P.C. Concrete".

(1) Special shaping.

(2) Face of Bridge Berm slope may vary and is determined by the A and B points. Slope is normally 2.5:1 or flatter.

(3) Refer to contract documents for limits of the slope protection.

Possible Tabulation: 104-9

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REVISIONS: Changed DR-304 to DR-306 on page 3.

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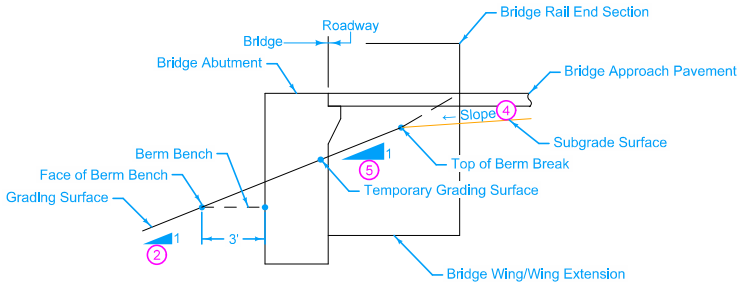
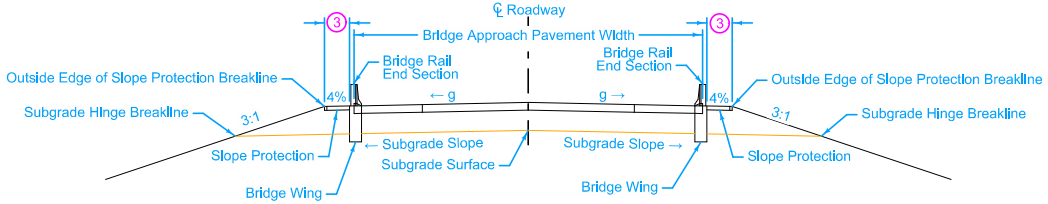
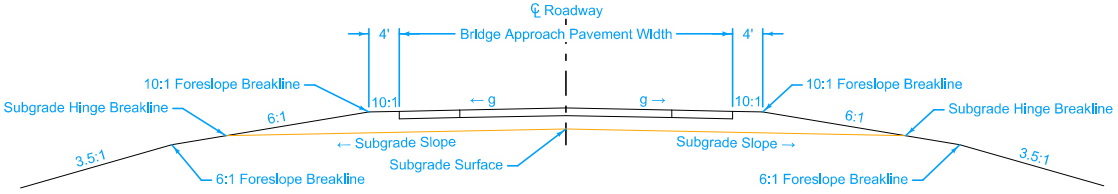
BRIDGE BERM GRADING WITH RECOVERABLE SLOPE (BARNROOF SECTION)



SECTION C-C



SECTION B-B



SECTION A-A

(2) Bridge Berm slope may vary and is determined by the A and B points. Slope is normally 2.5:1 or flatter.

(3) Refer to contract documents for limits of the slope protection.

(4) Refer to BR series for longitudinal subgrade slope.

(5) Temporary grading slope.

g = pavement cross slope.

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REVISIONS: Changed DR-304 to DR-306 on page 3.

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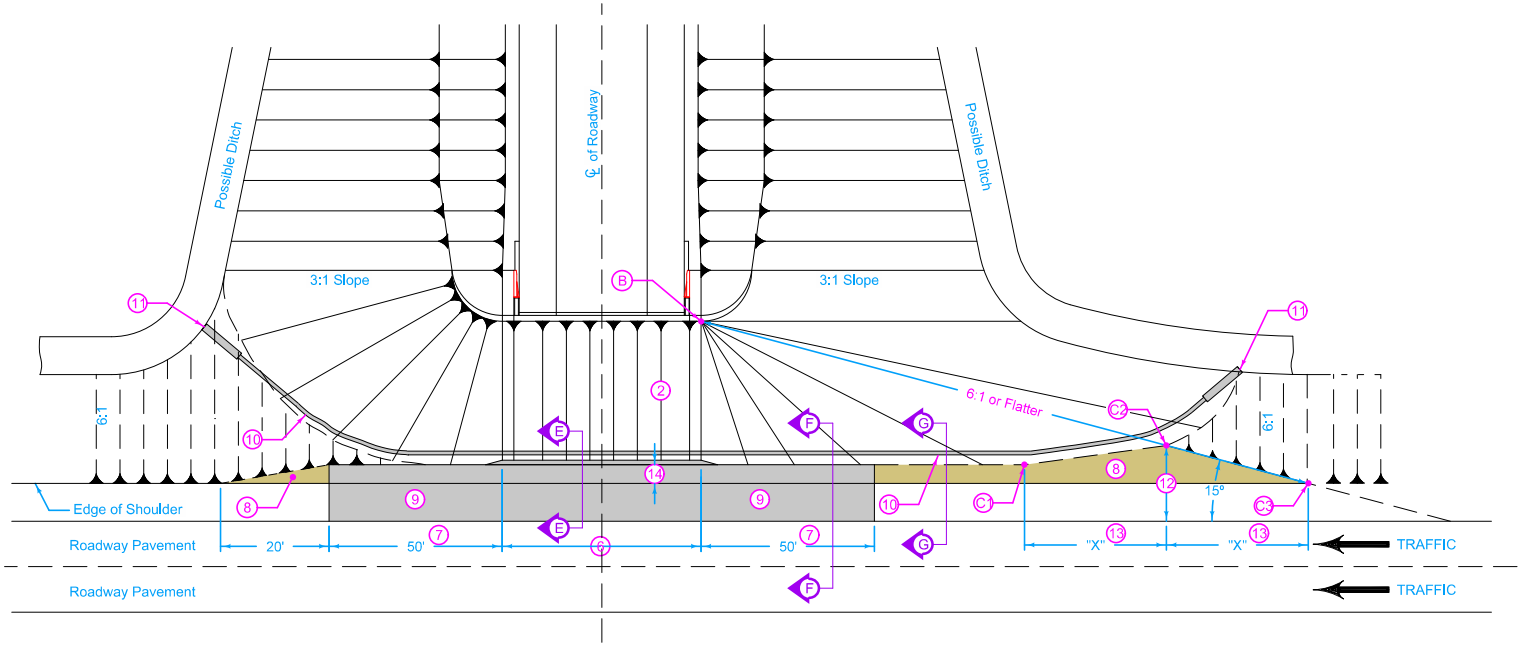
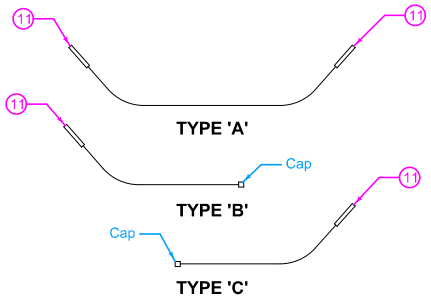
BRIDGE BERM GRADING WITH RECOVERABLE SLOPE (BARNROOF SECTION)



PLAN VIEW OF BRIDGE BERM AREA



SUBDRAIN LAYOUT TYPES

(2) Bridge Beam slope may vary and is determined by the A and B points. Slope is normally 2.5:1 or flatter.

(6) Width of bridge slab + 3' on each side. Build 6" sloped curb to this width. Refer to PV-102 for curb details.

(7) Includes curb runout length. Refer to PV-102 for curb runout details.

(8) Match typical shoulder slope.

(9) See typical cross-sections for details of paved shoulder.

(10) Approximate location of bridge subdrain.

(11) Refer to DR-306 subdrain outlet. When flow of subdrain does not require an outlet at both ends, cap the end without an outlet in a method approved by the Engineer.

(12) 2 times typical shoulder width.

(13) "X" distance based on station difference between points C2 and C3.

(14) 5' offset unless otherwise noted on the Bridge Situation Plan. 4' offset minimum.

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REVISIONS: Changed DR-304 to DR-306 on page 3.

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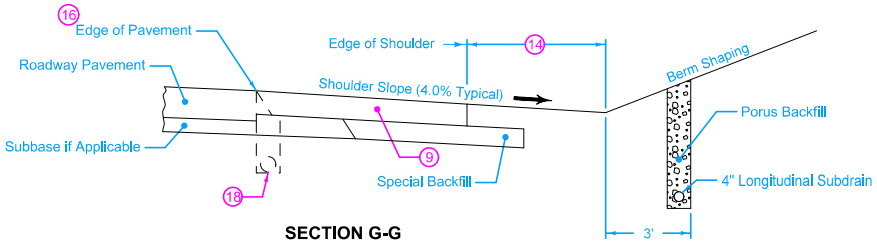
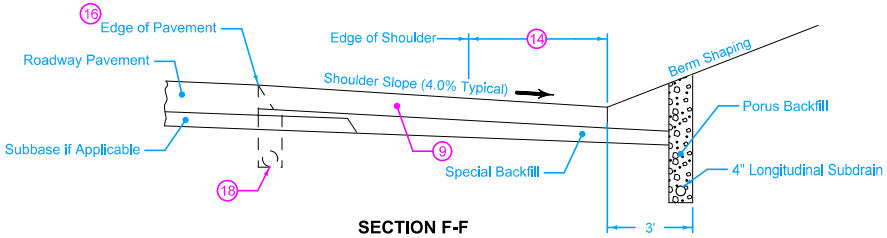
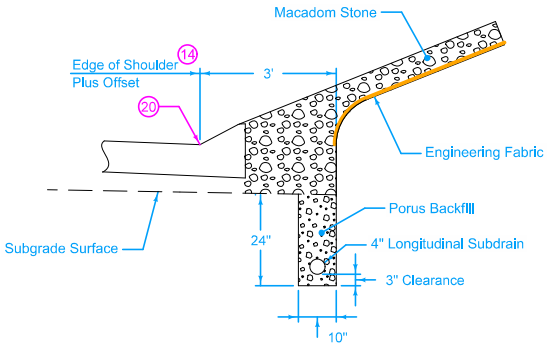
BRIDGE BERM GRADING WITH RECOVERABLE SLOPE (BARNROOF SECTION)



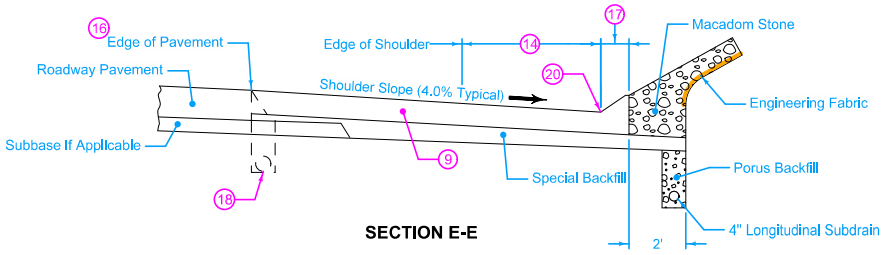
SECTION G-G



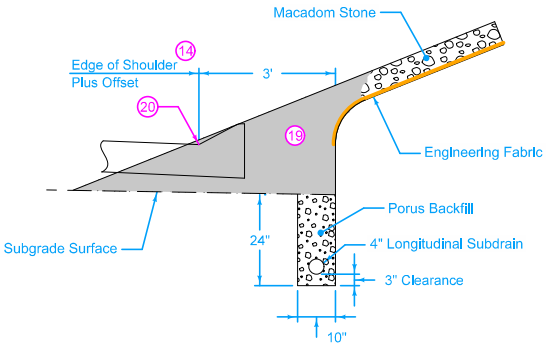
SECTION F-F



PARTIAL SECTION E-E
As constructed by others



SECTION E-E



PARTIAL SECTION E-E
Proposed construction

(9) See typical cross-sections for details of paved shoulder.

(14) 5' offset unless otherwise noted on the Bridge Situation Plan. 4' offset minimum.

(16) If roadway pavement is newly-constructed PCC, use BT-1 or BT-2 joint. If roadway pavement is existing PCC, use BT-3, BT-4, or BT-5 joint. Refer to PV-101 joint details.

(17) 6" sloped curb. Refer to PV-102 curb details.

(18) Roadway subdrain location. Use caution when excavating. Maintain porus material in trench to bottom of roadway pavement.

(19) Remove and stockpile macadam stone. Carefully seperate the macadam stone from the surrounding soil. Preserve the integrity of the engineering fabric.

(20) Toe of the berm. Refer to A Points on the berm slope location table.

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REVISIONS: Changed DR-304 to DR-306 on page 3.

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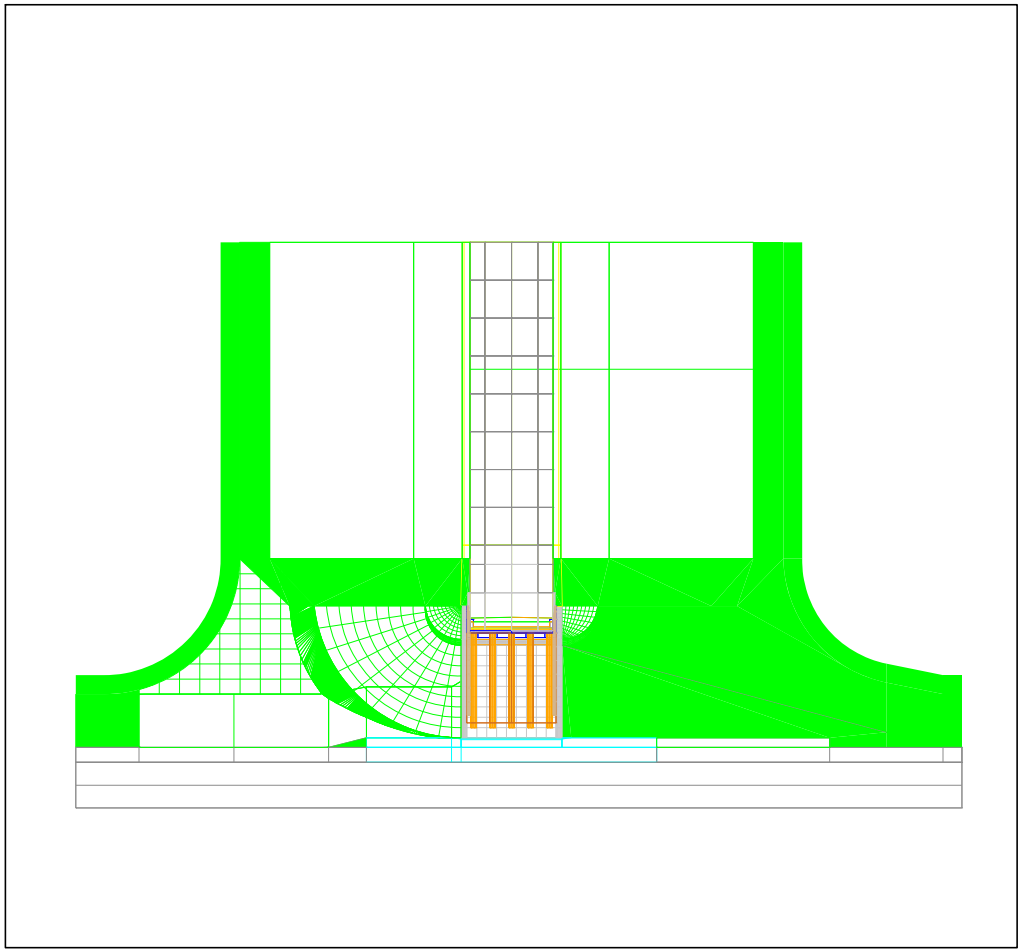
APPROVED BY DESIGN METHODS ENGINEER

BRIDGE BERM GRADING WITH RECOVERABLE SLOPE (BARNROOF SECTION)

This image can be viewed in 3D on the the ERL or at our website http://www.iowadot.gov/design/stdrdpln.htm



This image can be viewed in 3D on the the ERL or at our website http://www.iowadot.gov/design/stdrdpln.htm

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REVISIONS: Changed DR-304 to DR-306 on page 3.

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BRIDGE BERM GRADING WITH RECOVERABLE SLOPE (BARNROOF SECTION)