

PLAN VIEW OF BRIDGE BERM (BARNROOF FORESLOPE)

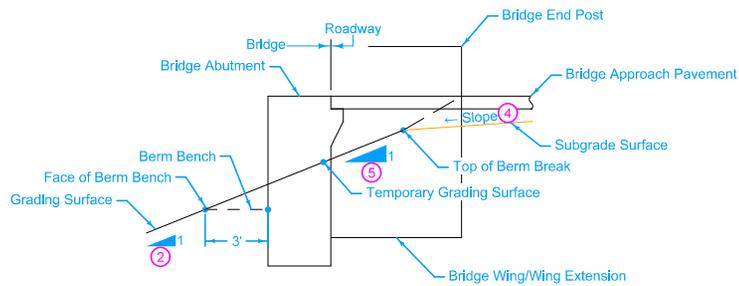
Grading Surface:
Refer to berm slope location table in project plans for locations of A, B, C, W and possible other points.

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

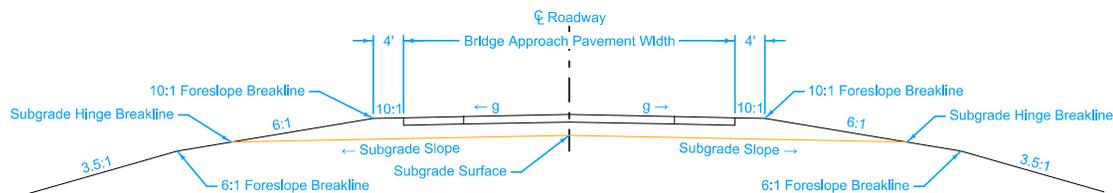
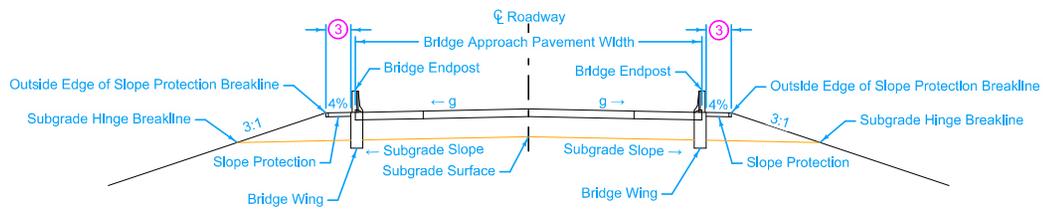
- ① Special shaping.
- ② Face of Bridge Berm slope may vary and is determined by the A and B points. Slope is normally 2.5:1 or flatter.
- ③ Refer to contract documents for limits of the slope protection.

Possible Tabulation: 104-9

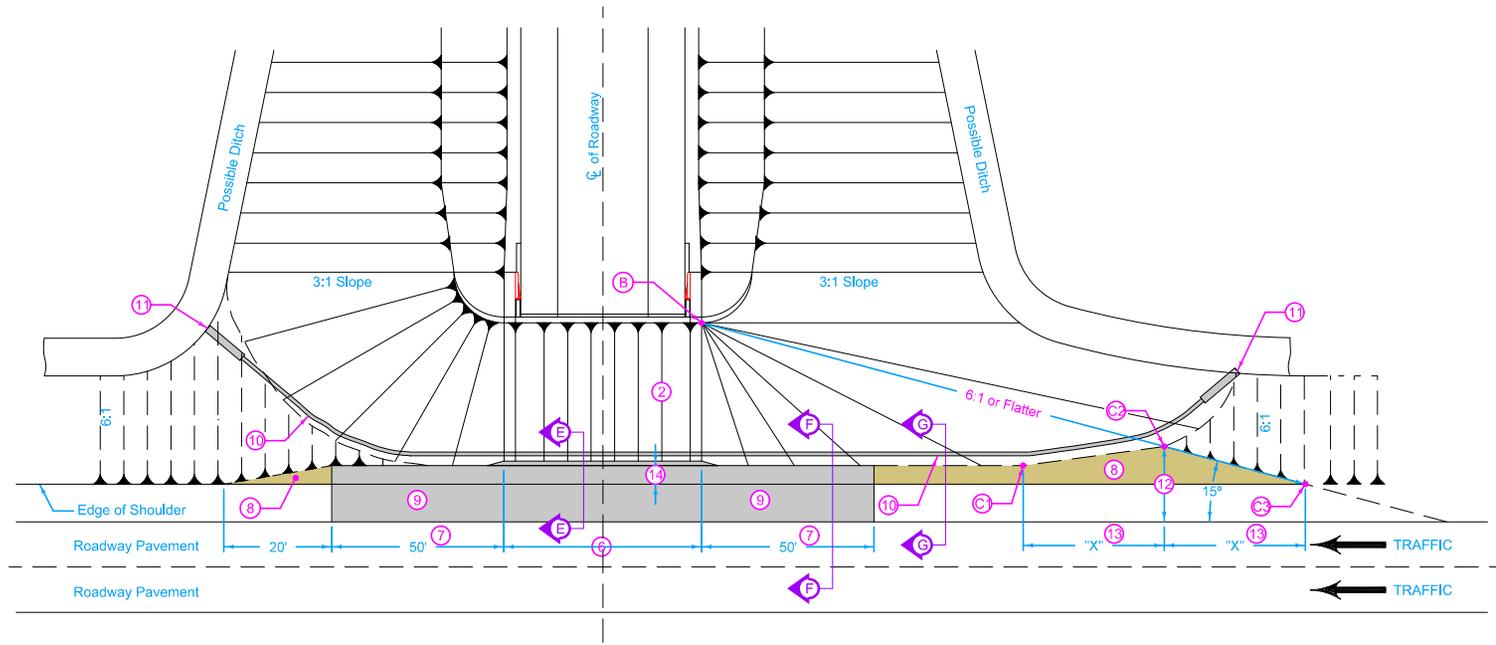
 Iowa Department of Transportation	REVISION	
	2	04-17-12
STANDARD ROAD PLAN	EW-204	
	SHEET 1 of 5	
<small>REVISIONS: Modified the temporary grading surface in Section C-C.</small>		
 <small>APPROVED BY DESIGN METHODS ENGINEER</small>		
BRIDGE BERM GRADING WITH RECOVERABLE SLOPE (BARNROOF SECTION)		



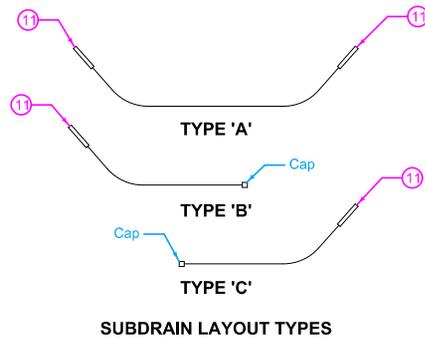
- ② Bridge Berm slope may vary and is determined by the A and B points. Slope is normally 2.5:1 or flatter.
 - ③ Refer to contract documents for limits of the slope protection.
 - ④ Refer to RK series for longitudinal subgrade slope.
 - ⑤ Temporary grading slope.
- g = pavement cross slope.



	REVISION
	2 04-17-12
STANDARD ROAD PLAN	EW-204
SHEET 2 of 5	
REVISIONS: Modified the temporary grading surface in Section C-C.	
<i>Deanna Maifield</i> APPROVED BY DESIGN METHODS ENGINEER	
BRIDGE BERM GRADING WITH RECOVERABLE SLOPE (BARNROOF SECTION)	



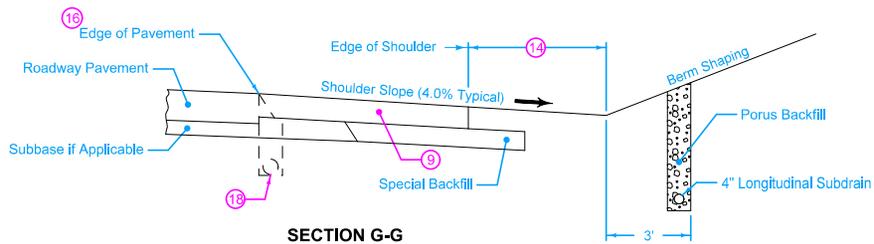
PLAN VIEW OF BRIDGE BERM AREA



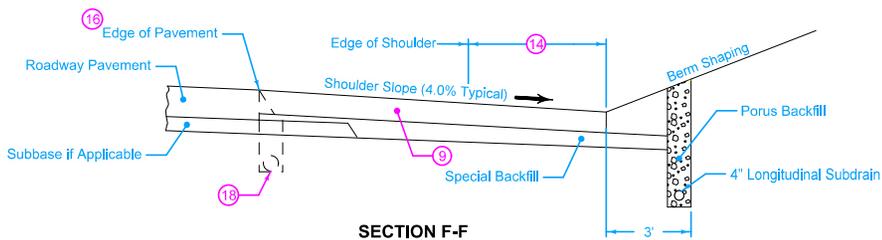
SUBDRAIN LAYOUT TYPES

- 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 runoff length. Refer to PV-102 for curb runoff 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 RF-19E 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.

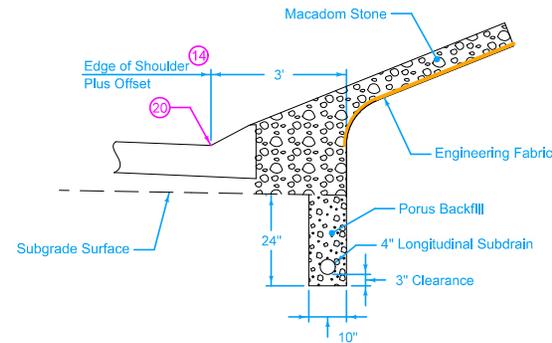
	REVISION
	2 04-17-12
STANDARD ROAD PLAN	EW-204
REVISIONS: Modified the temporary grading surface in Section C-C.	SHEET 3 of 5
 APPROVED BY DESIGN METHODS ENGINEER	
BRIDGE BERM GRADING WITH RECOVERABLE SLOPE (BARNROOF SECTION)	



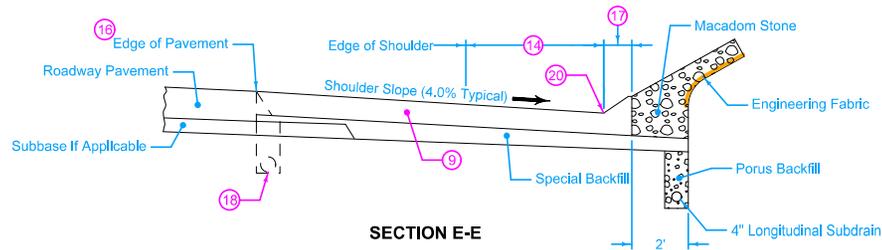
SECTION G-G



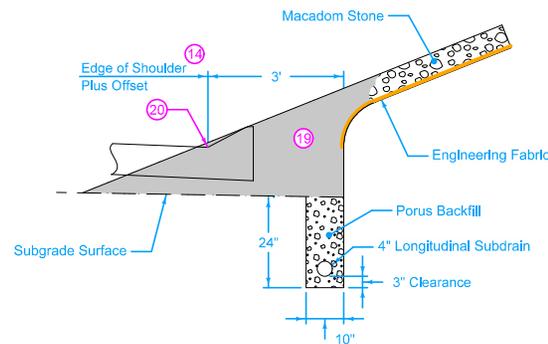
SECTION F-F



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 porous material in trench to bottom of roadway pavement.
- 19 Remove and stockpile macadam stone. Carefully separate 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.

 Iowa Department of Transportation	REVISION
	2 04-17-12
STANDARD ROAD PLAN	EW-204
SHEET 4 of 5	
REVISIONS: Modified the temporary grading surface in Section C-C.	
 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>

 Iowa Department of Transportation	REVISION	
	2	04-17-12
STANDARD ROAD PLAN	EW-204	
	SHEET 5 of 5	
REVISIONS: Modified the temporary grading surface in Section C-C.		
<i>Deanna Maifield</i> APPROVED BY DESIGN METHODS ENGINEER		
BRIDGE BERM GRADING WITH RECOVERABLE SLOPE (BARNROOF SECTION)		