

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.

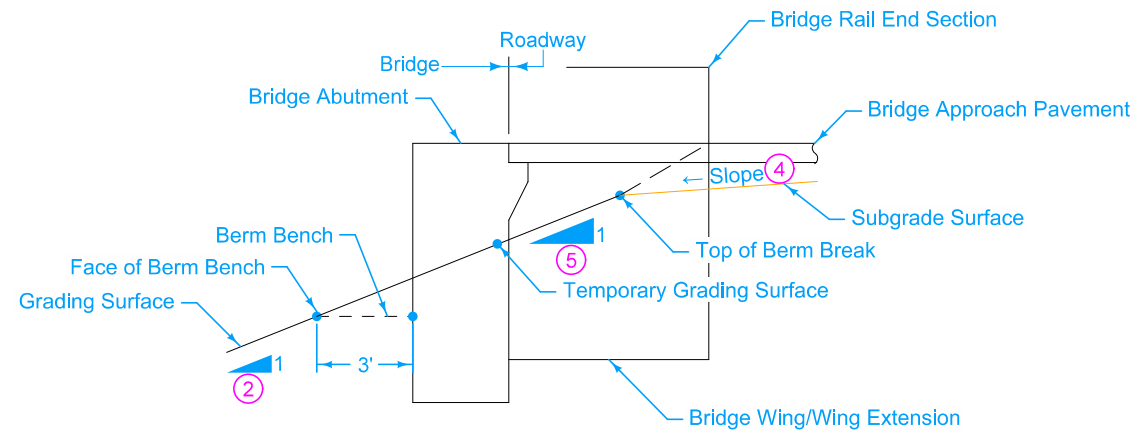
Possible Tabulation:  
 104-9

 <b>STANDARD ROAD PLAN</b>	REVISION	
	6	10-20-20
<b>EW-204</b>		SHEET 1 of 5

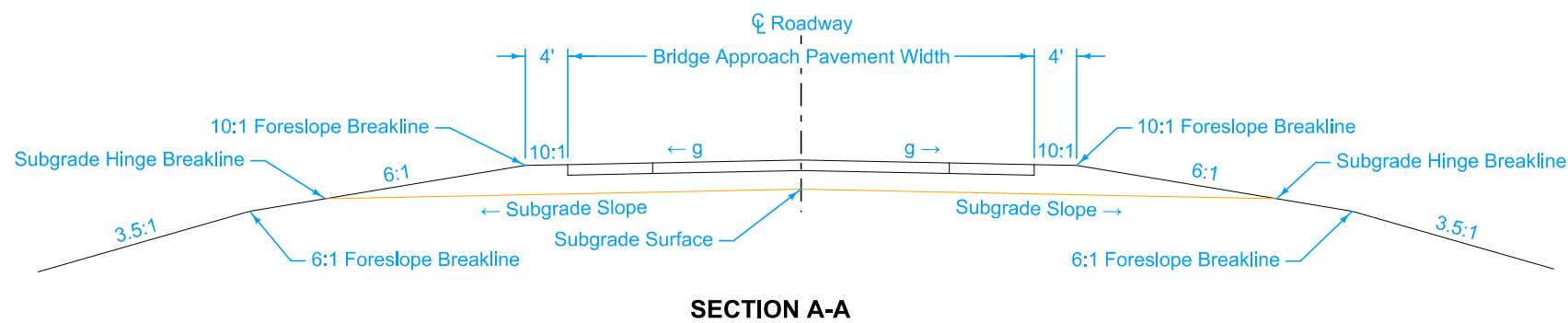
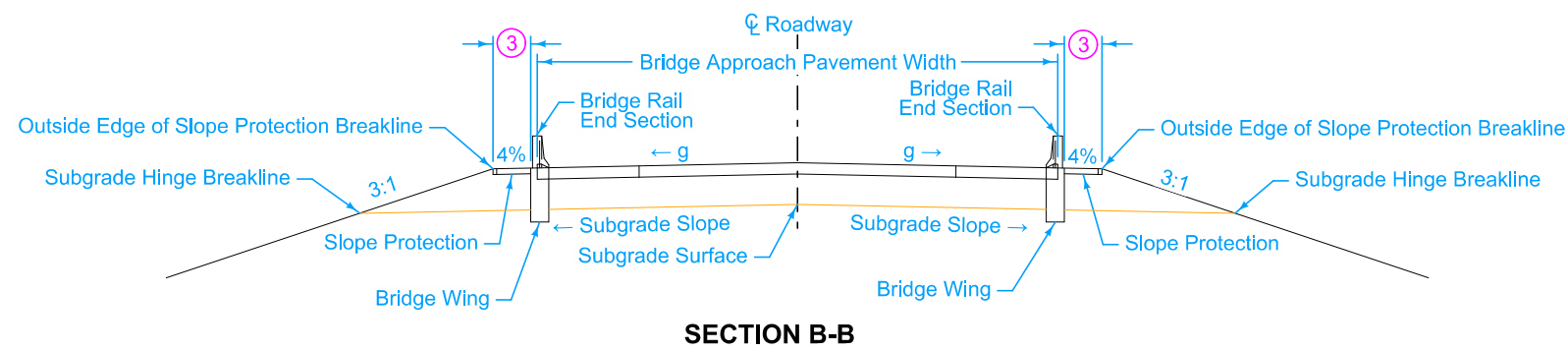
REVISIONS: New, Modified dimension line "A" on page 1.

  
 APPROVED BY DESIGN METHODS ENGINEER

**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 **BR series** for longitudinal subgrade slope.
- ⑤ Temporary grading slope.
- g = pavement cross slope.

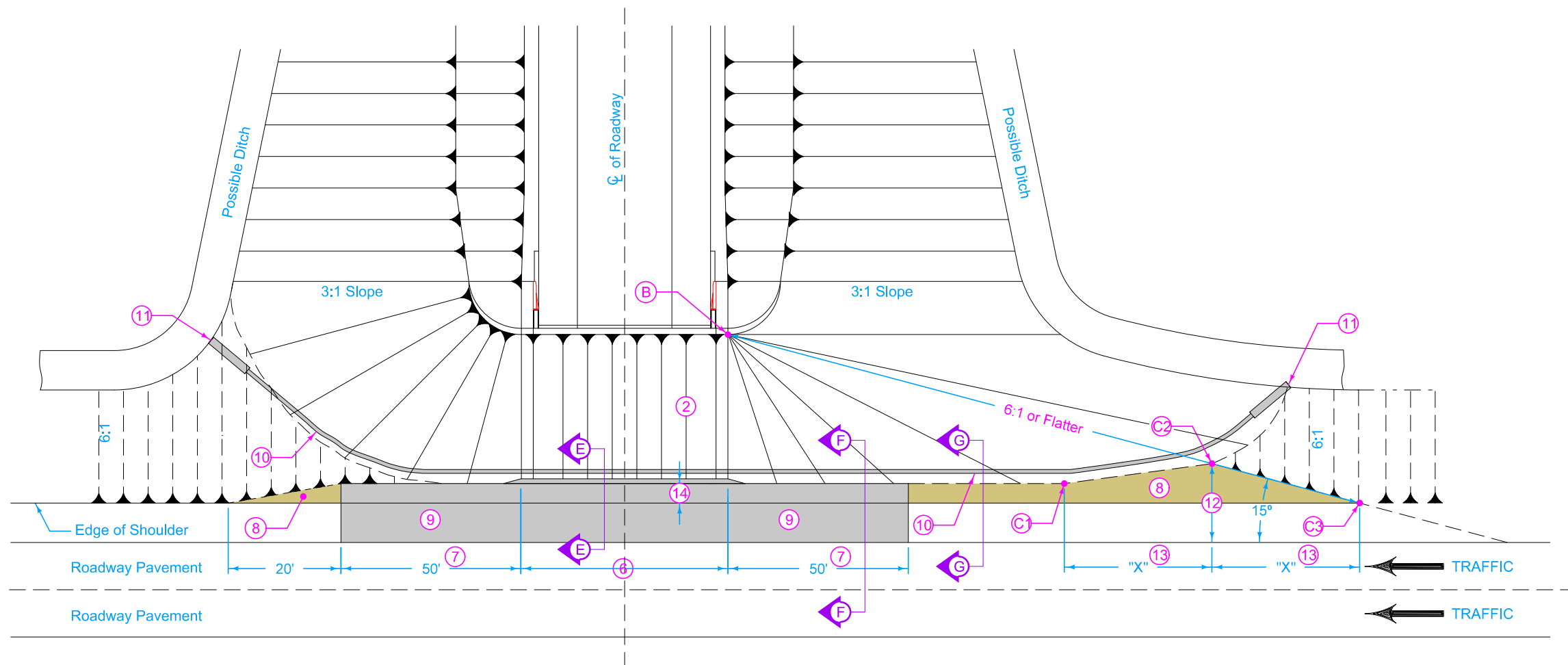


<b>IOWA DOT</b>	REVISION	
	6	10-20-20
<b>STANDARD ROAD PLAN</b>		<b>EW-204</b>
		SHEET 2 of 5

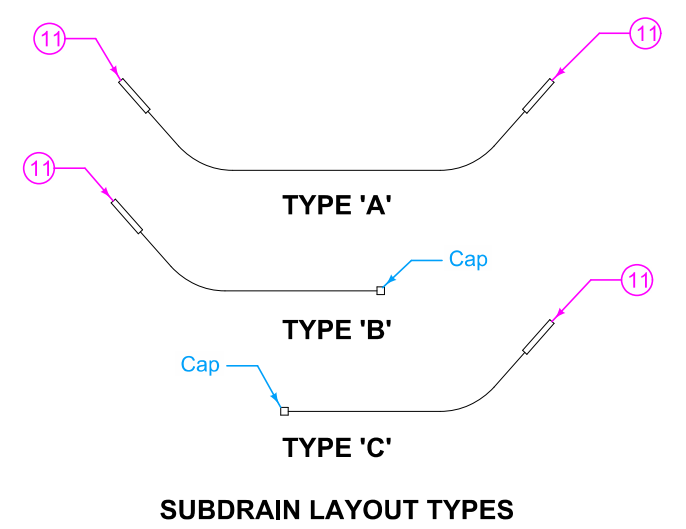
REVISIONS: New, Modified dimension line "A" on page 1.

*Shawn Miller*  
APPROVED BY DESIGN METHODS ENGINEER

**BRIDGE BERM GRADING  
WITH RECOVERABLE SLOPE  
(BARNROOF SECTION)**



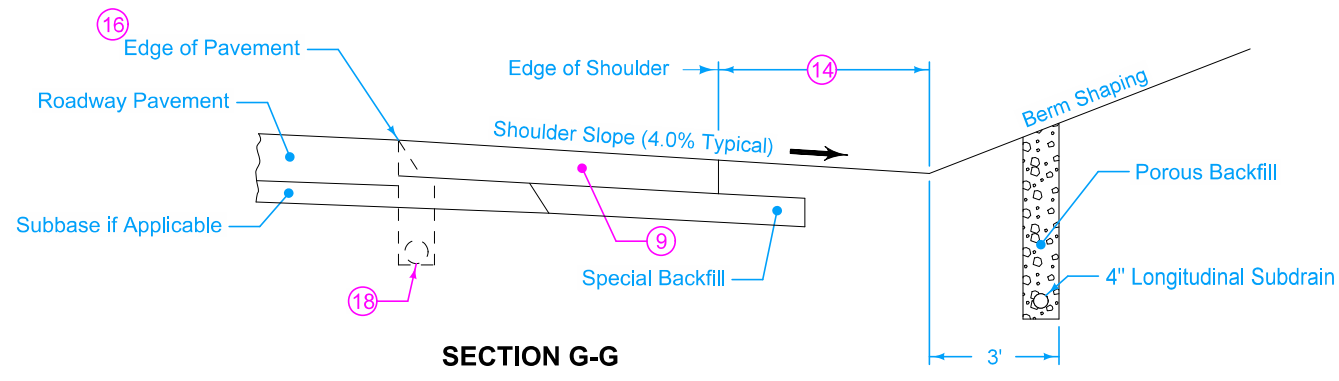
PLAN VIEW OF BRIDGE BERM AREA



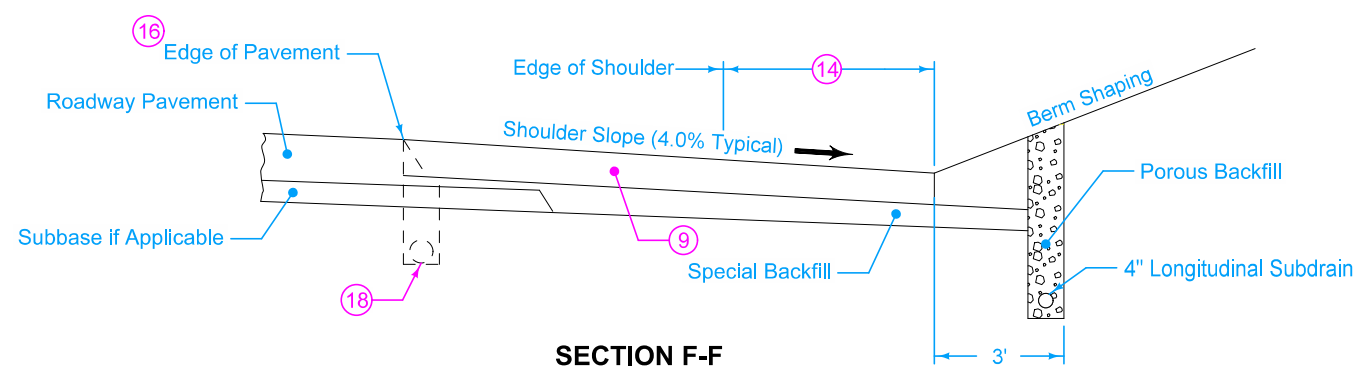
SUBDRAIN LAYOUT TYPES

- 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 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.

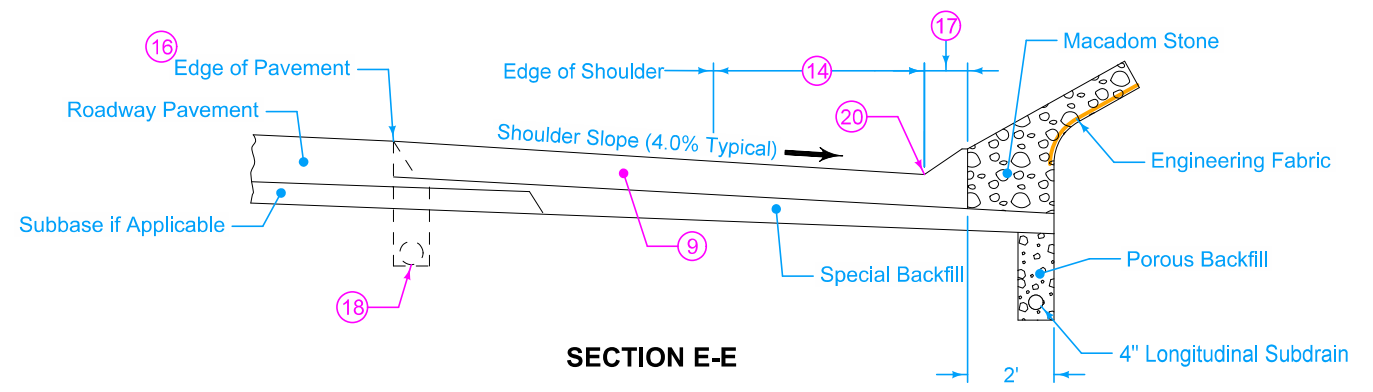
	REVISION	
	6	10-20-20
<b>STANDARD ROAD PLAN</b>		<b>EW-204</b>
		SHEET 3 of 5
REVISIONS: New, Modified dimension line "A" on page 1.		
APPROVED BY DESIGN METHODS ENGINEER		
<b>BRIDGE BERM GRADING WITH RECOVERABLE SLOPE (BARNROOF SECTION)</b>		



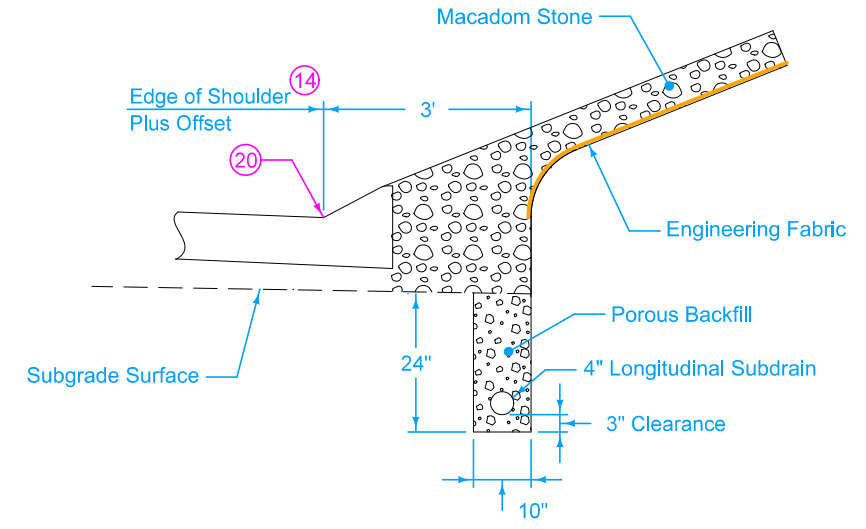
**SECTION G-G**



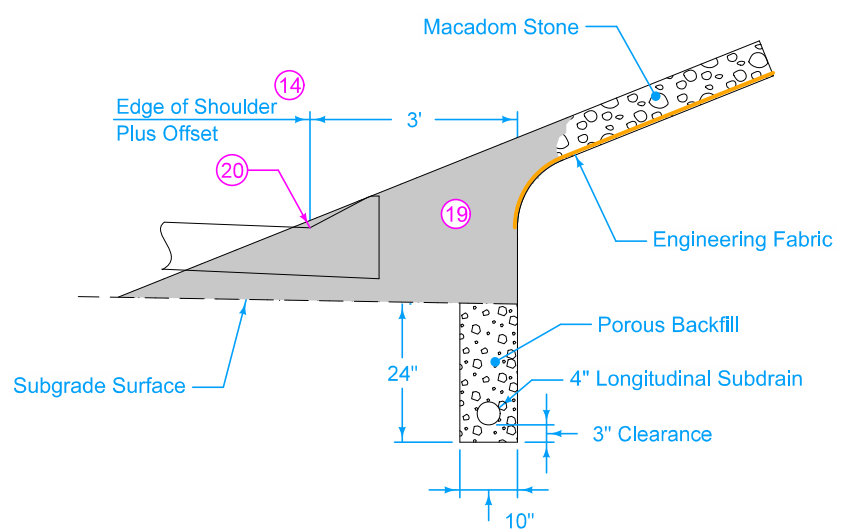
**SECTION F-F**



**SECTION E-E**



**PARTIAL SECTION E-E  
As constructed by others**



**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.

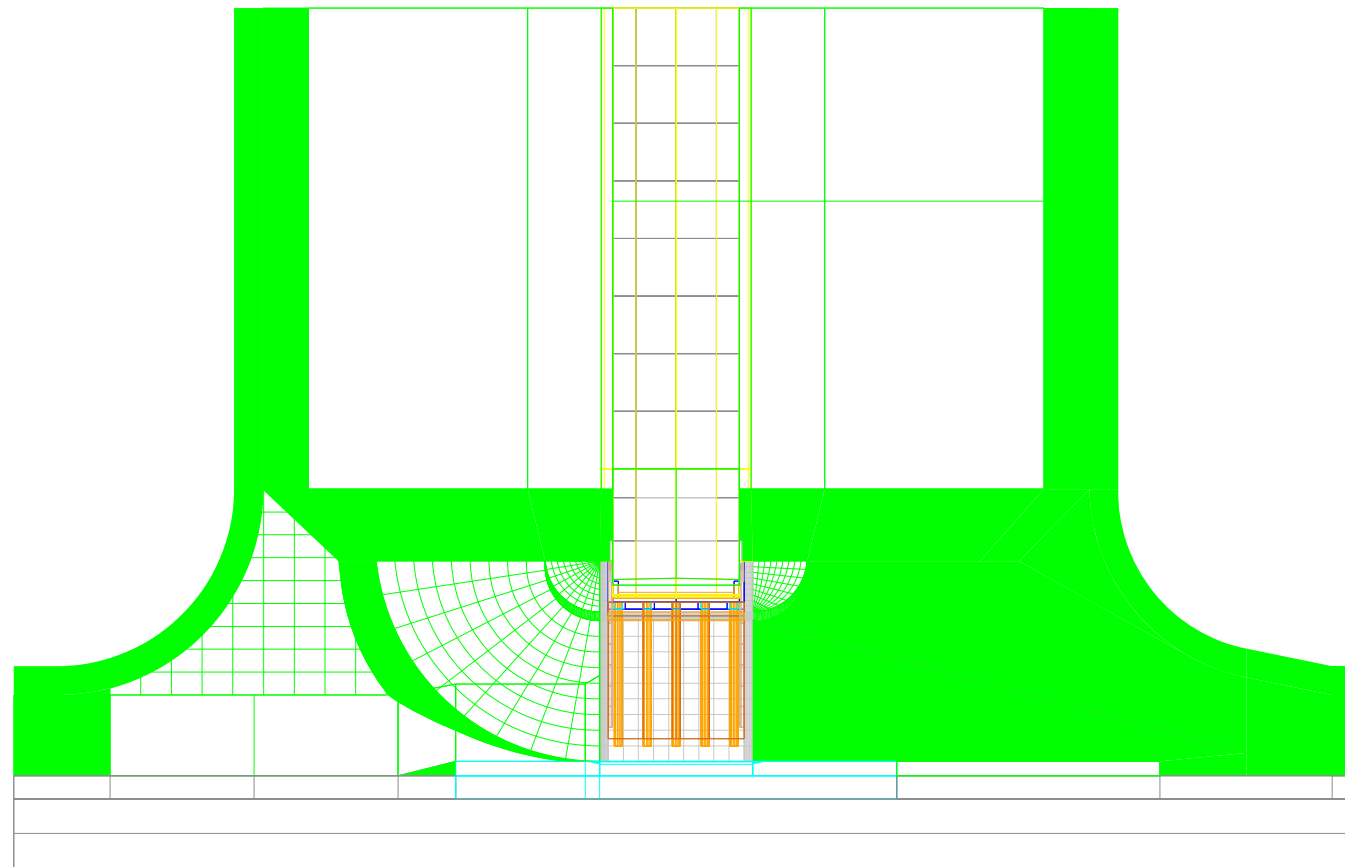
<b>IOWA DOT</b>	REVISION	
	6	10-20-20
<b>STANDARD ROAD PLAN</b>		<b>EW-204</b>
		SHEET 4 of 5

REVISIONS: New, Modified dimension line "A" on page 1.


*Shawn Miller*  
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>

	REVISION	
	6	10-20-20
<b>STANDARD ROAD PLAN</b>	<b>EW-204</b>	
	SHEET 5 of 5	
REVISIONS:	New.Modified dimension line "A" on page 1.	
<i>Steve Miller</i> APPROVED BY DESIGN METHODS ENGINEER		
<b>BRIDGE BERM GRADING WITH RECOVERABLE SLOPE (BARNROOF SECTION)</b>		