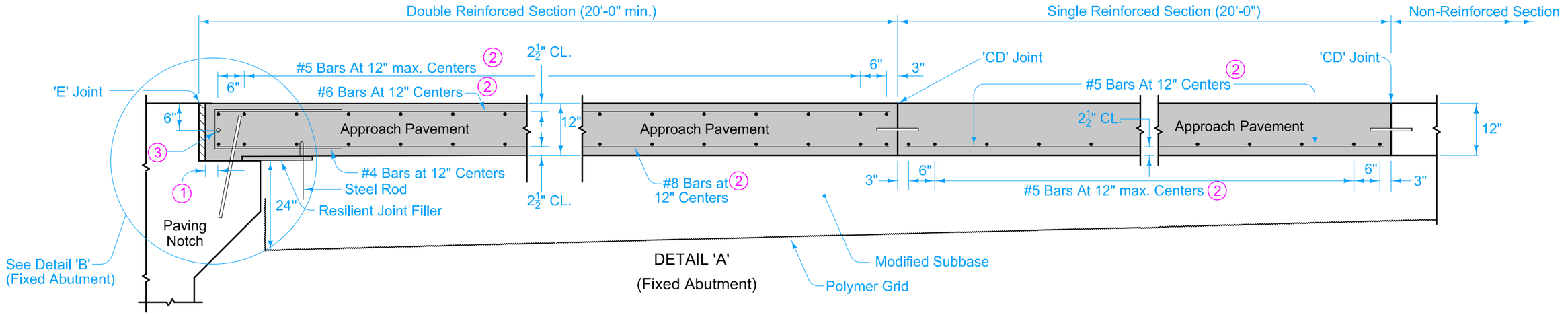
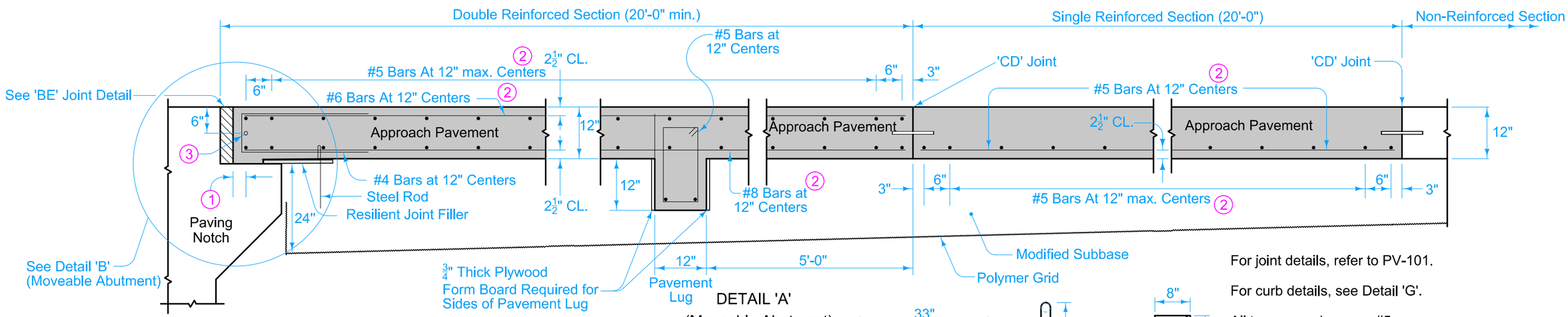
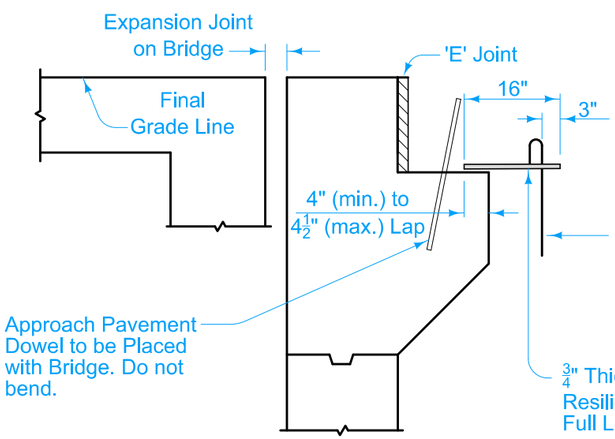


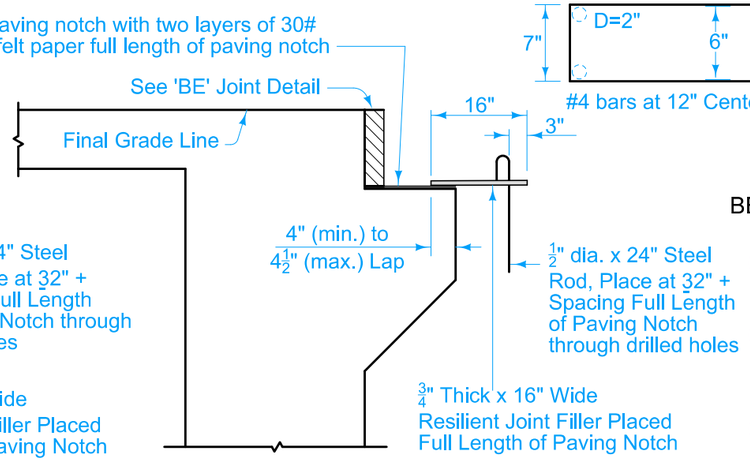

DETAIL 'A'
(Fixed Abutment)




DETAIL 'A'
(Moveable Abutment)



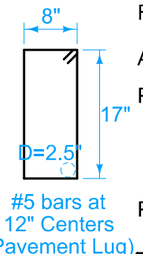

DETAIL 'B' (Fixed Abutment)




DETAIL 'B' (Moveable Abutment)




BENT BAR SHAPES




For joint details, refer to PV-101.

For curb details, see Detail 'G'.

All transverse bars are #5.

Possible Contract Item:
Bridge Approach, BR-203
Longitudinal Grooving in Concrete, Bridge Deck and/or Approaches

Possible Tabulation:
112-6

1. 2" min. to 2 1/2" max. clear to bent bar.
2. Minimum lap length: #5 Bars - 18"
   #6 Bars - 27"
   #8 Bars - 48"
3. If bridge is skewed, place additional #5 bar parallel to skewed face.

IOWA DOT

STANDARD ROAD PLAN

| REVISION | |
|---|---|
| 7 | 10-20-26 |

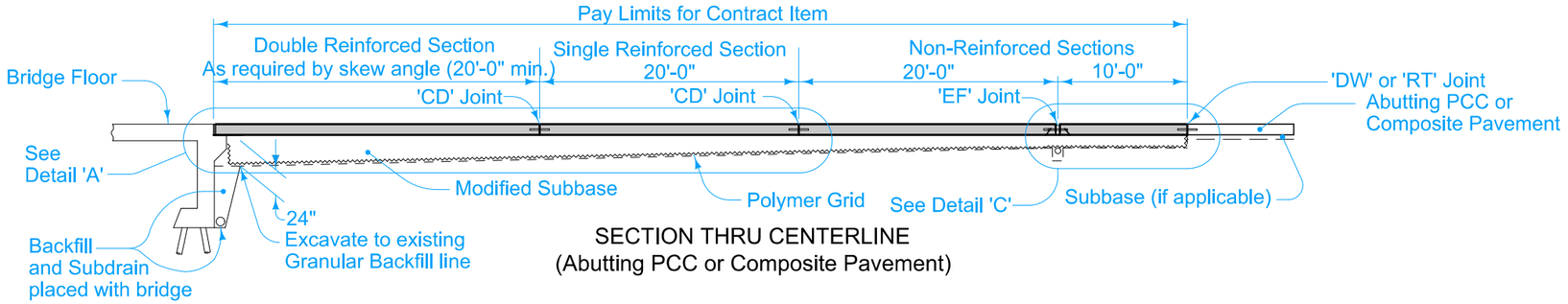
BR-203

SHEET 1 of 3

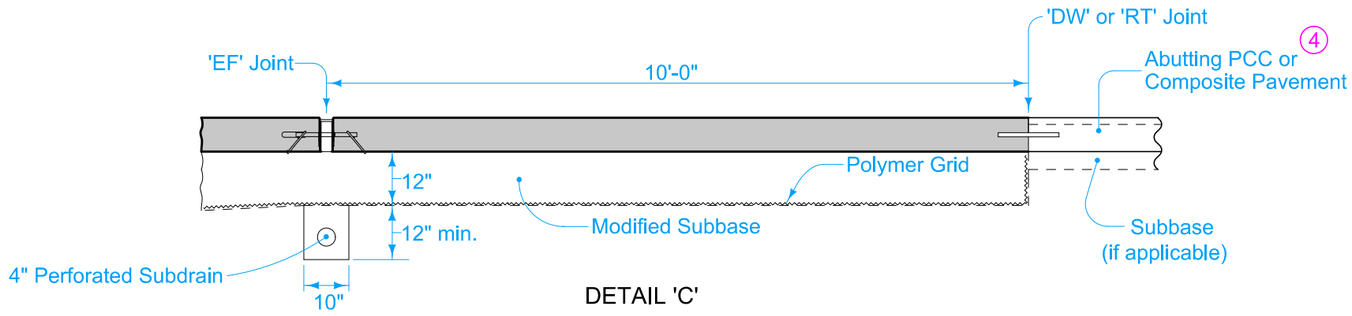
REVISIONS: Modified bid items.

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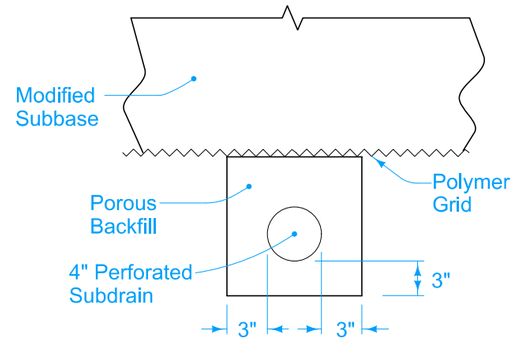
**DOUBLE REINFORCED 12" APPROACH**




SECTION THRU CENTERLINE
(Abutting PCC or Composite Pavement)

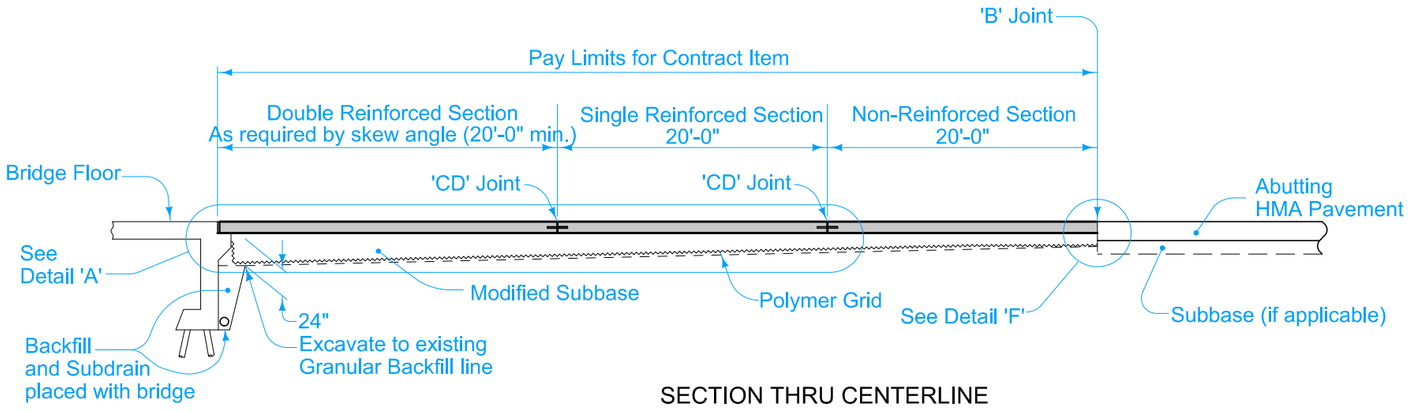



DETAIL 'C'
(Doweled PCC Pavement)

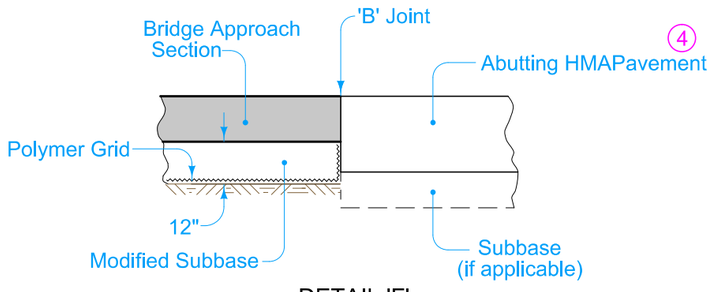



4" SUBDRAIN LOCATION

(4) If abutting pavement (PCC or HMA) is not in place, refer to BR-213.




SECTION THRU CENTERLINE
(Abutting HMA Pavement)




DETAIL 'F'

IOWA DOT

STANDARD ROAD PLAN

| REVISION | |
|---|---|
| 7 | 10-20-26 |

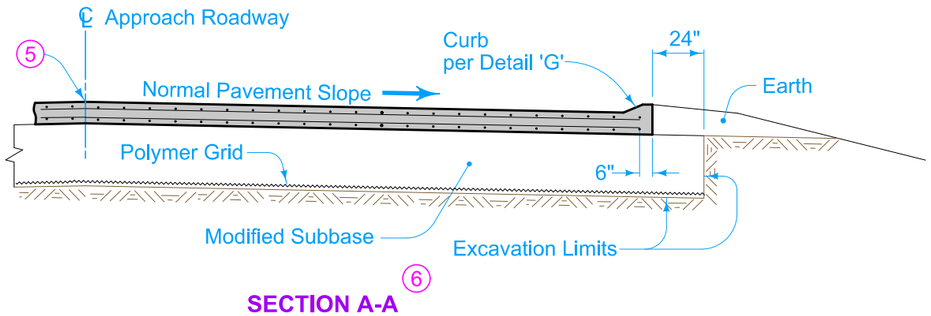
BR-203

SHEET 2 of 3

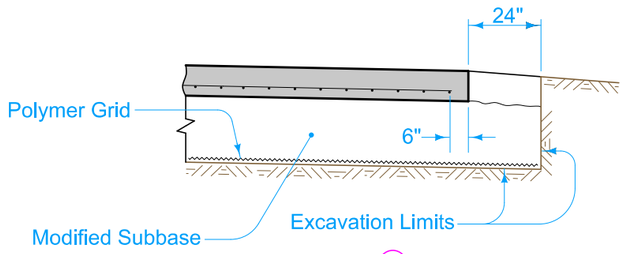
REVISIONS: Modified bid items.

APPROVED BY DESIGN METHODS ENGINEER

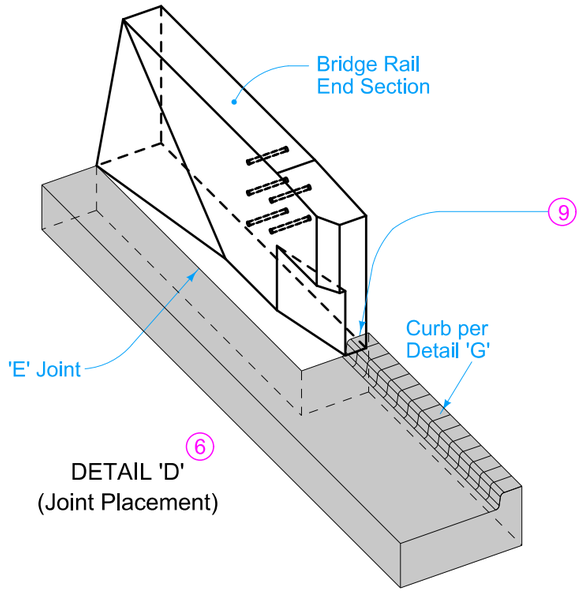
**DOUBLE REINFORCED 12" APPROACH**



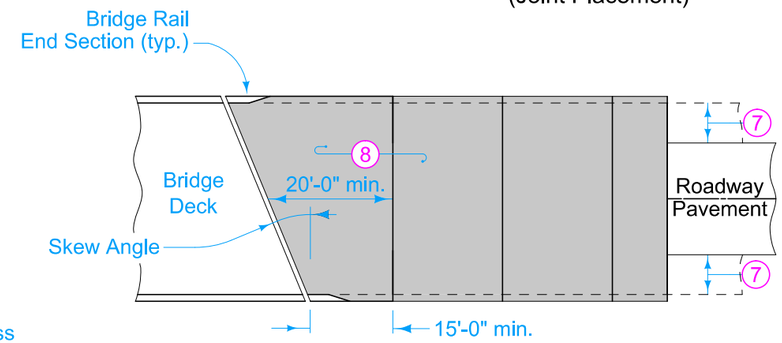

**SECTION A-A**



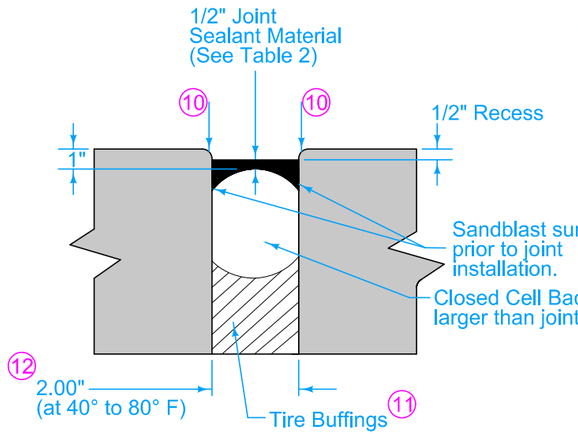

**SECTION B-B**




DETAIL 'D'
(Joint Placement)

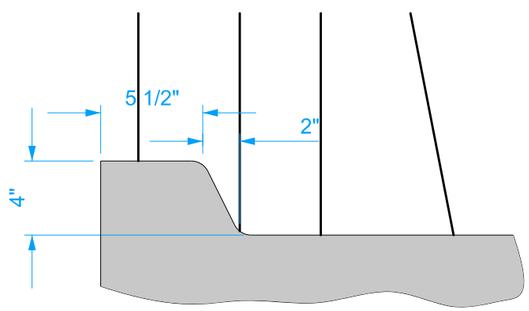



APPROACH PAVEMENT
LAYOUT AT A SKEW

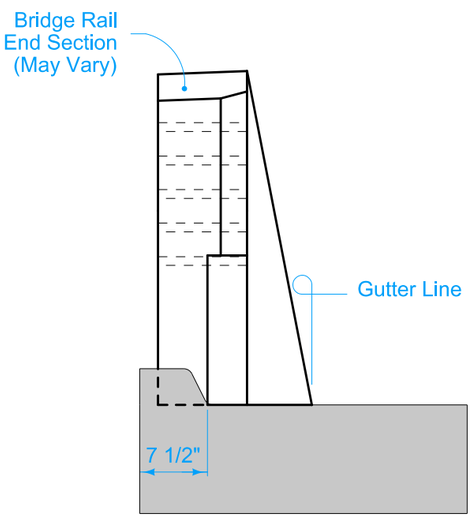



'BE'JOINT
DETAIL

| Table 2 |
|---|
| Approved List of Sealant |
| Dow - Dowsil 902 RCS |
| Sika - Sikasil 728 RCS |
| Watson Bowman Acme - Wabo SiliconeSeal |
| Pecora - 322FC |




DETAIL 'G'




DETAIL 'E'

(5) Longitudinal Joint (PV-101):
Single pour - Saw cut joint per Detail B.
Two pours - Use 'BT-2' Joint.

(6) Refer to BR-211, BR-212, or BR-231.

(7) Design shoulder width.

(8) Reinforced bridge approach section.

(9) Joint at end of Bridge Rail End Section: Place joint filler the full depth of the bridge approach pavement. In areas with curb, place full depth of pavement plus curb and shape material to fit the shape of the curb per Section B-B of PV-101. Seal joint per Detail F of PV-101.

- Fixed Abutment Bridges: Type 'E' Joint.

- Moveable Abutment Bridges: Flexible Foam Expansion Joint Filler complying with Section 4136 of the Standard Specifications. Set width of gap to 2 inches. Joint length as required to completely fill from back side of curb to front face of bridge wing.

(10) Edge with ¼ inch tool for length of joint indicated if formed edging not required when cut with diamond blade saw.

(11) Compact tire buffings by spading with a square-nose shovel. Tire buffings shall not be larger than ½ inch.

(12) Setting Width Notes:

- Width is perpendicular to abutment.

- Temperature of concrete deck on the underside or shaded portion of the deck shall be between 40 to 80 degrees Farenheit when placing approach slab concrete.

-This 'BE' joint and the setting temperatures may be used for all concrete beam or slab bridges up to 575' in length and for all steel girder bridges up to 400' in length.

IOWA DOT

STANDARD ROAD PLAN

| REVISION | |
|---|---|
| 7 | 10-20-26 |

BR-203

SHEET 3 of 3

REVISIONS: Modified bid items.

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**DOUBLE REINFORCED 12" APPROACH**