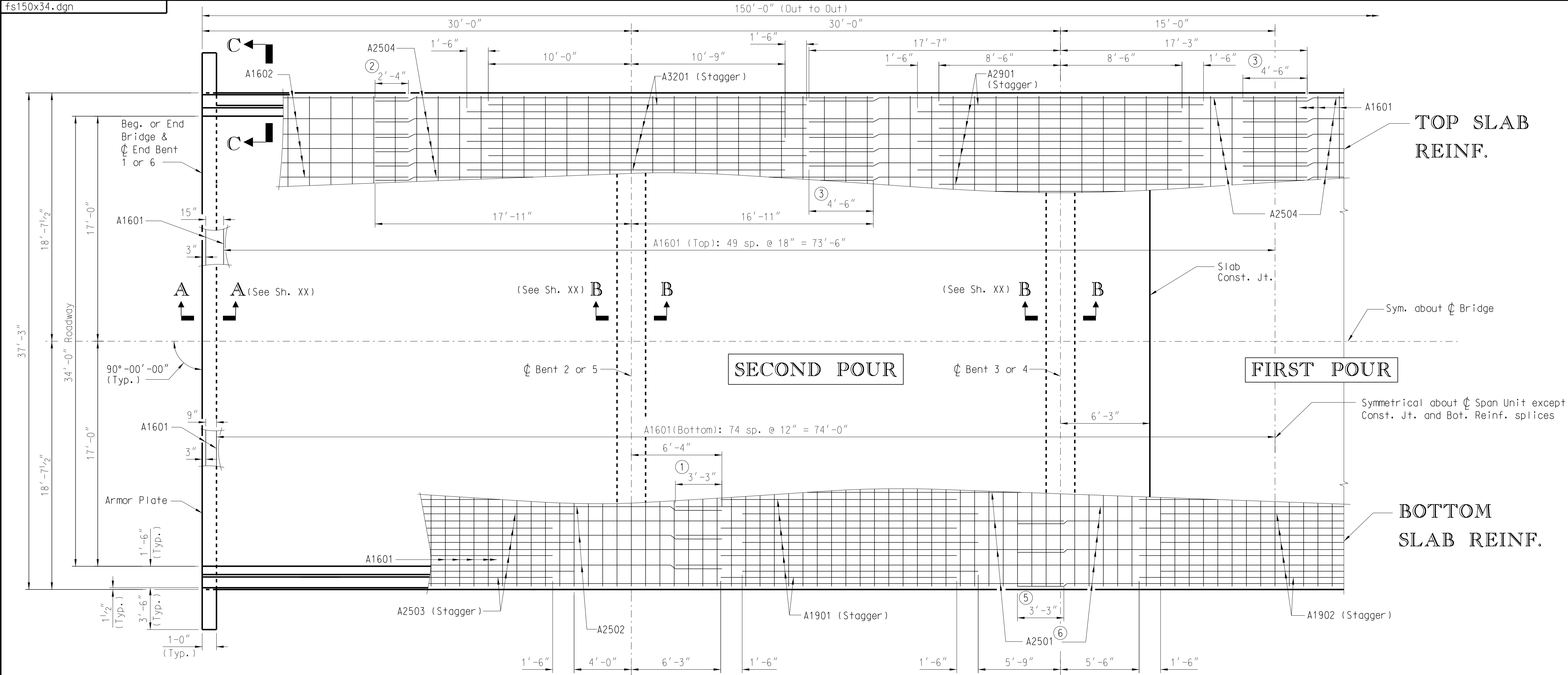
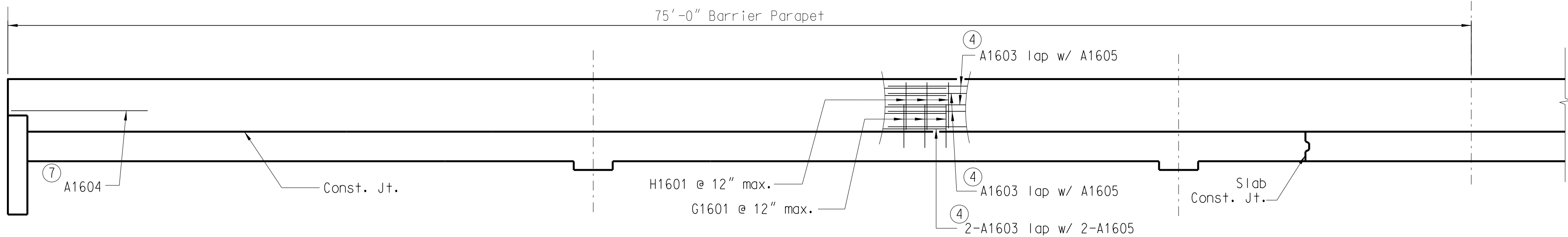




PART. PLAN



PART. SIDE ELEVATION

Notes:

Cast the 150' continuous unit using the construction joint shown. Use an approved retarding agent and establish and maintain a minimum pouring rate of 45 CY per hour unless approved otherwise by the RCE.

Do not remove slab falsework until the entire 150' span unit has been poured and cured according to Section 702 of the Standard Specifications.

Cast parapet concrete after slab falsework has been struck.

For Section thru Slab and Slab Drain Details, see Sh. XX.

For Slab Drain Locations, see Sh. XX.

For Reinforcing Bending Details, see Sh. XX.

- Splice A2501 & A2502 bars 3'-3" min.
- Splice A1602 & A2504 bars 2'-4" min.
- Splice A2504 & A2504 bars 4'-6" min.

- 3'-0" min. Splice
- Splice A2501 & A2501 bars 3'-3" min.
- A2501 lap w/ A2501 and lap w/ A2502 (3 bar run). Alternate A2502 bars as shown.
- Detail the A1604 bars 7'-0" in length. Only A1604 bar shown for clarity.

Note to Designer:  
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★ Dimensions shown are calculated for bridges with normal crown and SE= 0.0208 ft./ft. Designer to revise dimensions for different geometry.

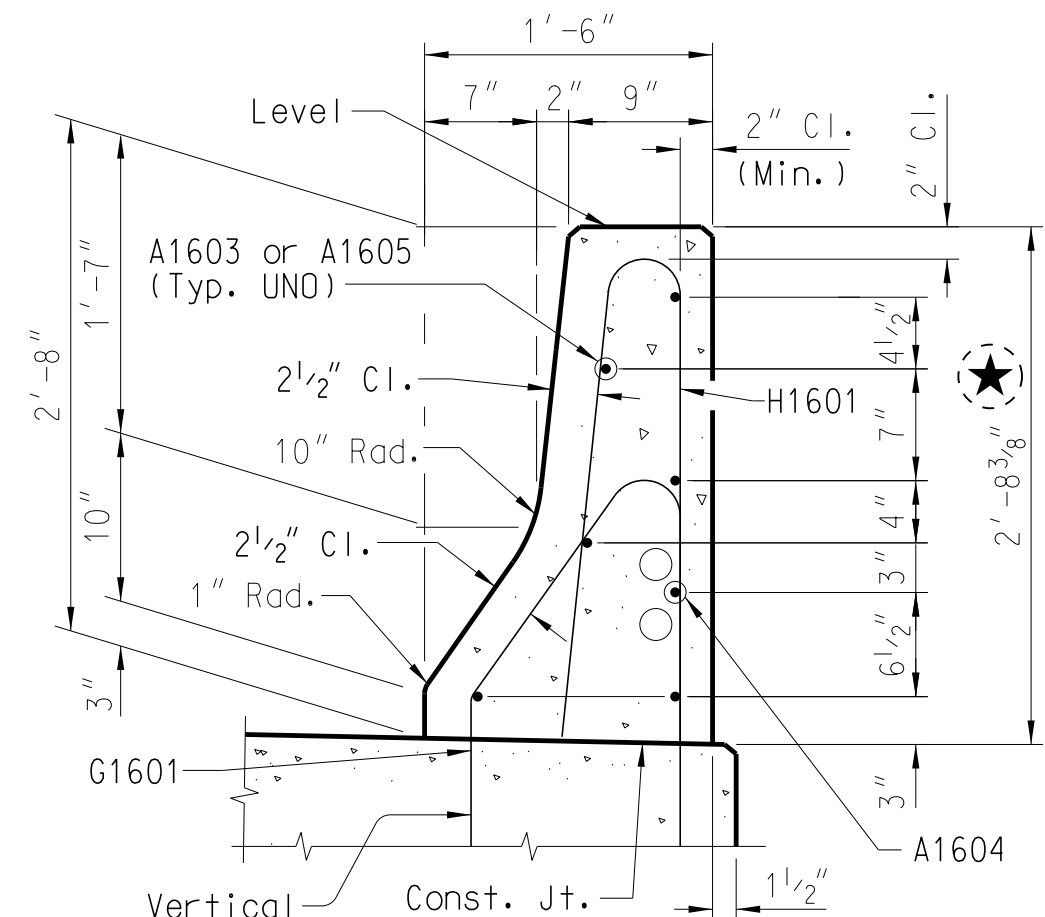
REINF. STEEL SCHED.

| MARK  | NO. REQ'D | DIMENSION                          |                                    |                                    |     | LENGTH  |
|-------|-----------|------------------------------------|------------------------------------|------------------------------------|-----|---------|
|       |           | "a"                                | "b"                                | "c"                                | "d" |         |
| A1301 | 12        | 20'-2"                             |                                    |                                    |     | 20'-2"  |
| A1302 | 24        | 2'-8"                              |                                    |                                    |     | 2'-8"   |
| A1303 | 24        | 4'-9"                              |                                    |                                    |     | 4'-9"   |
| A1601 | 252       | 36'-11"                            |                                    |                                    |     | 36'-11" |
| A1602 | 74        | 14'-3"                             |                                    |                                    |     | 14'-3"  |
| A1603 | 12        | 60'-0"                             |                                    |                                    |     | 60'-0"  |
| A1604 | 4         | 7'-0"                              |                                    |                                    |     | 7'-0"   |
| A1605 | 24        | 47'-10"                            |                                    |                                    |     | 47'-10" |
| A1901 | 76        | 16'-6"                             |                                    |                                    |     | 16'-6"  |
| A1902 | 38        | 17'-6"                             |                                    |                                    |     | 17'-6"  |
| A2501 | 74        | 60'-0"                             |                                    |                                    |     | 60'-0"  |
| A2502 | 37        | 36'-2"                             |                                    |                                    |     | 36'-2"  |
| A2503 | 76        | 24'-4"                             |                                    |                                    |     | 24'-4"  |
| A2504 | 148       | 34'-10"                            |                                    |                                    |     | 34'-10" |
| A2901 | 76        | 18'-6"                             |                                    |                                    |     | 18'-6"  |
| A3201 | 76        | 22'-3"                             |                                    |                                    |     | 22'-3"  |
| G1601 | 302       | 1'-4 <sup>3</sup> / <sub>8</sub> " | 2'-3 <sup>1</sup> / <sub>8</sub> " |                                    |     | 6'-3"   |
| H1601 | 302       | 2'-3 <sup>1</sup> / <sub>8</sub> " | 2'-3 <sup>1</sup> / <sub>2</sub> " | 0'-7 <sup>3</sup> / <sub>8</sub> " |     | 5'-2"   |
| J1301 | 42        | 0'-8"                              | 1'-4"                              |                                    |     | 3'-4"   |
| J1302 | 84        | 1'-2"                              | 1'-4"                              |                                    |     | 3'-10"  |
| J1303 | 16        | 0'-8"                              | 4'-7"                              |                                    |     | 9'-10"  |

|      |        |              |
|------|--------|--------------|
| SB   | 1" Ht. | As Necessary |
| CHCU | 9" Ht. | As Necessary |

QUANTITIES

| ITEM                                     | UNIT | 150' SPAN |
|------------------------------------------|------|-----------|
| Concrete, Class 4000                     | CY   | 282.1     |
| Reinforcing Steel                        | LB   | 66,140    |
| Barrier Parapet                          | LF   | 300.0     |
| Elastomeric Bearing Assembly (Flat Slab) | EA   | 6         |



SECTION C-C

(Slab Reinforcing not Shown)

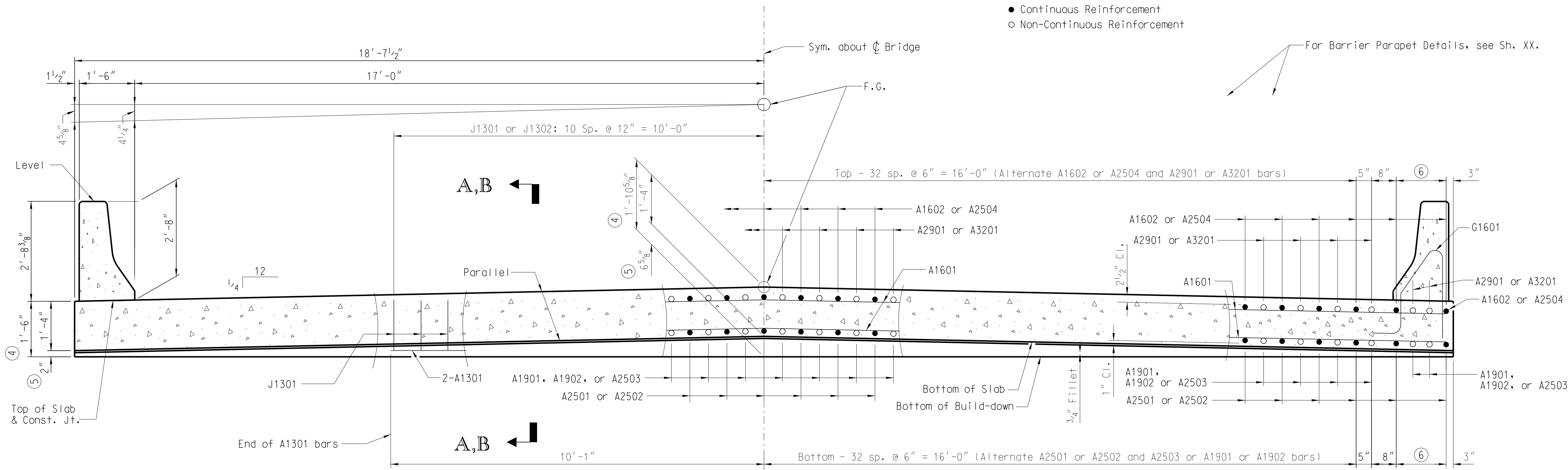
|          |  |  |  |                              |  |  |  |
|----------|--|--|--|------------------------------|--|--|--|
| REV.     |  |  |  | SOUTH CAROLINA               |  |  |  |
| REV.     |  |  |  | DEPARTMENT OF TRANSPORTATION |  |  |  |
| REV.     |  |  |  | 150'-0" SPAN UNIT            |  |  |  |
| REV.     |  |  |  | SUPERSTRUCTURE               |  |  |  |
| REV.     |  |  |  | (34'-0" ROADWAY)             |  |  |  |
| REVIEWED |  |  |  | COUNTY XXXXXXXX              |  |  |  |
| QUAN.    |  |  |  | ROUTE XXXXXX                 |  |  |  |
| DR.      |  |  |  |                              |  |  |  |
| DES.     |  |  |  |                              |  |  |  |
| BY       |  |  |  |                              |  |  |  |
| CHK.     |  |  |  |                              |  |  |  |
| DATE     |  |  |  |                              |  |  |  |



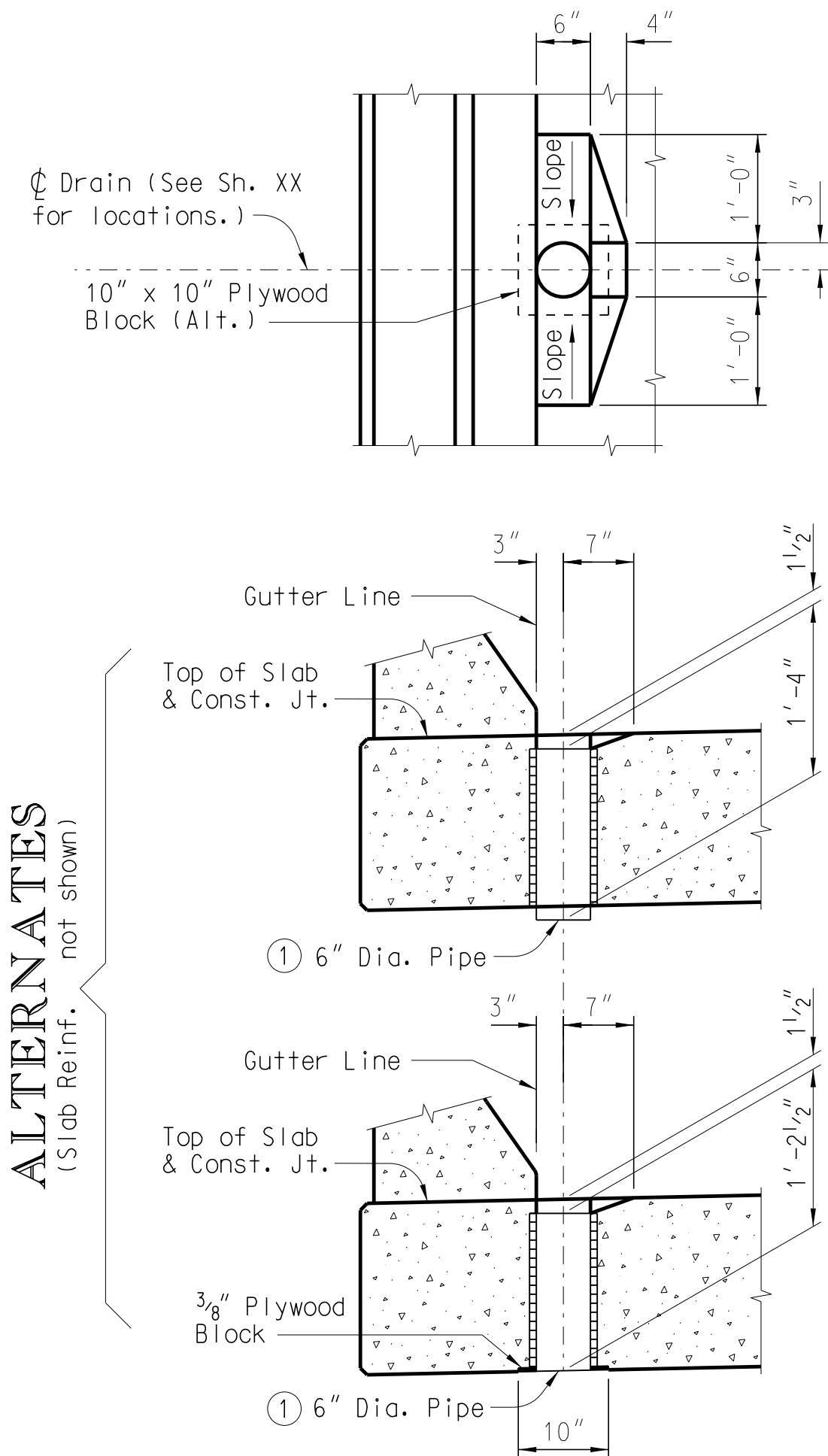
- LEGEND
- Continuous Reinforcement
  - Non-Continuous Reinforcement

For Barrier Parapet Details, see Sh. XX.

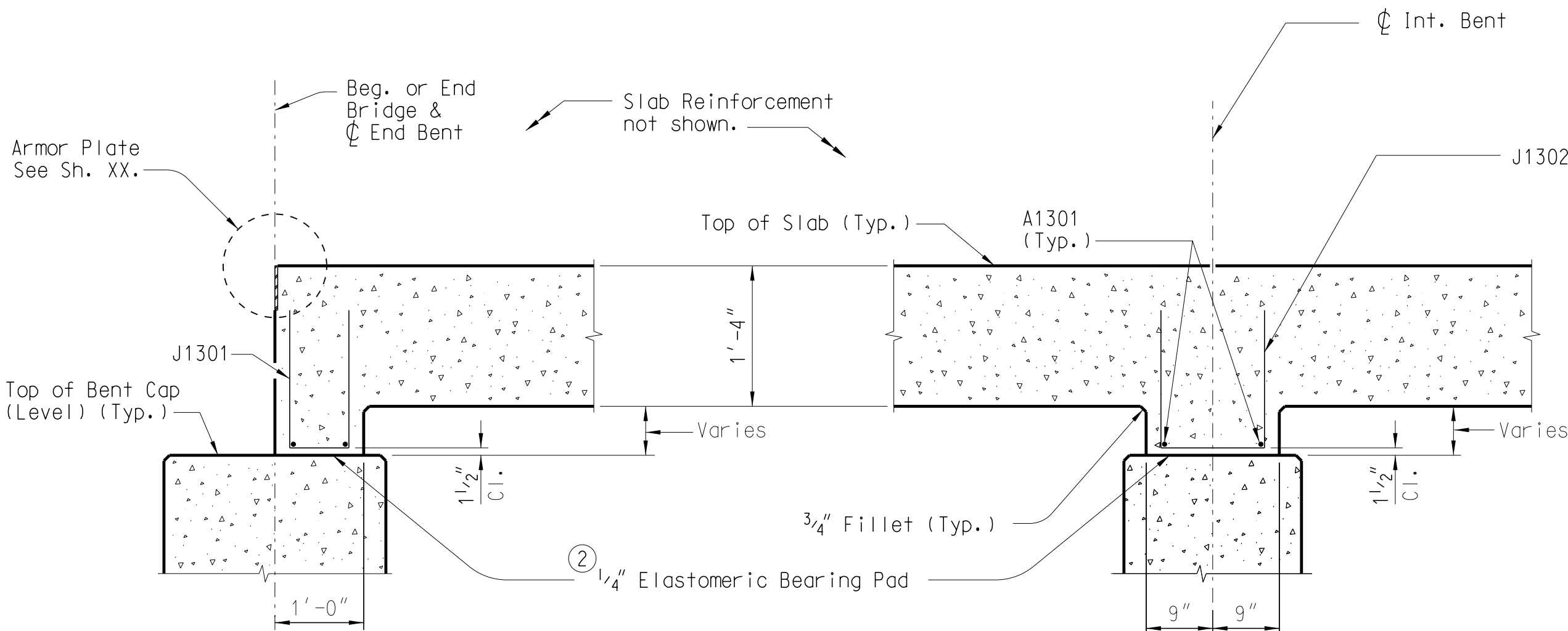
- Notes:
- Cast lower portion of wing walls monolithic with slab unless approved otherwise by RCE.
- UNO - Unless Noted Otherwise
- ① Provide drain pipes that are 6" nominal diameter Schedule 40 PVC Pipe meeting the requirements of ASTM D 1785 or 6" nominal diameter fiberglass pipe meeting the requirements of ASTM D 2996. Cement at least two lugs, of a size suitable to anchor the pipe, to the portion of the pipe embedded in the concrete slab. Include all costs of furnishing and placing drains in the unit price bid for Concrete for Structures, Class 4000.
- ② 1 1/4" elastomeric bearing pad 60 Durometer hardness. Provide materials for elastomeric bearings that conform to Section 724 of the Standard Specifications. Provide a pad the same length and width of slab build-down. Place stock length pieces end to end provided that no individual piece is less than 6'-0" in length. Include all costs for furnishing and placing the pads in the unit price bid for Elastomeric Bearing Assembly (Flat Slab).
- ③ Provide 1/4" elastomeric bearing pad 60 Durometer hardness. Use materials for elastomeric bearings that conform to Section 724 of the Standard Specifications. Include all costs for furnishing and placing the pads in the unit price bid for Elastomeric Bearing Assembly (Flat Slab).
- ④ At  $\phi$  Bent.
- ⑤ Includes 1/4" elastomeric bearing pad.
- ⑥ 3 eq. sp. = 1'-3 1/2"



SECTION THRU 150' SPAN  
(Deck Drains not Shown)



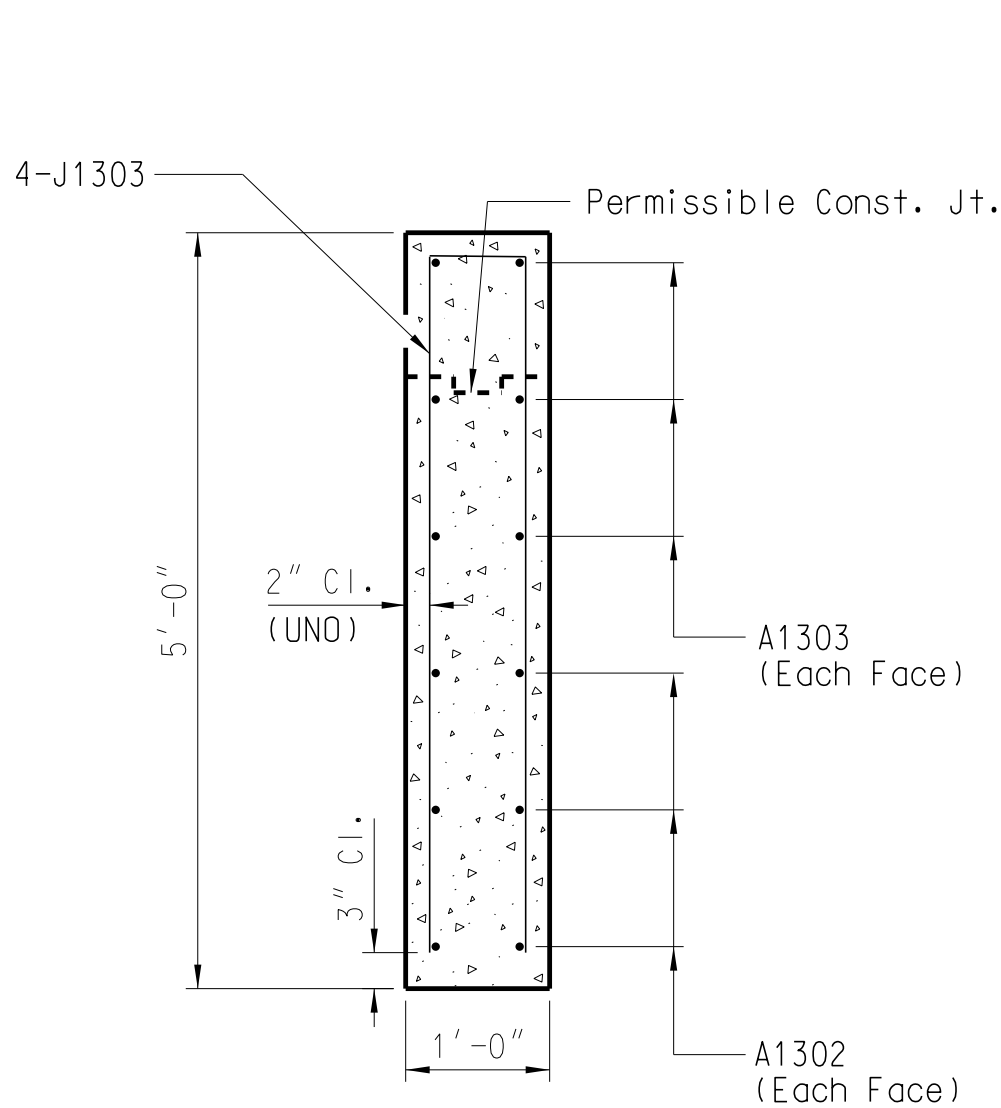
DRAIN DETAILS



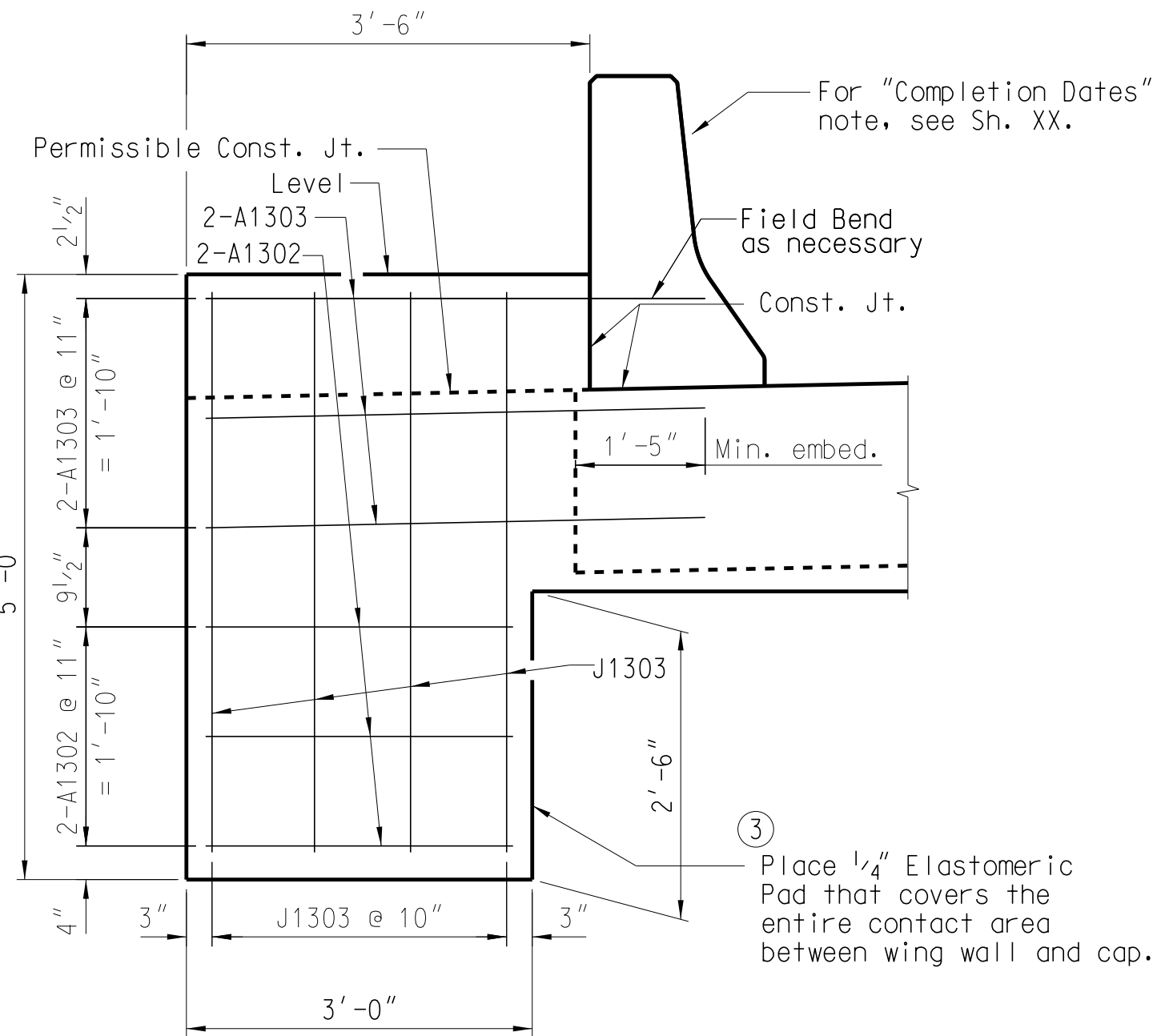
SECT. A-A  
(At End Bents)

SECT. B-B  
(At Interior Bents)

SLAB BUILD-DOWN DETAILS



SECTION THRU  
WING WALL



WING WALL DETAILS

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|          |            |           |      |                                                        |  |                 |  |
|----------|------------|-----------|------|--------------------------------------------------------|--|-----------------|--|
| REV.     |            |           |      | SOUTH CAROLINA                                         |  |                 |  |
| REV.     | PCW        | MCCA      | 3-18 | DEPARTMENT OF TRANSPORTATION                           |  |                 |  |
| REV.     | MASH       | Guardrail |      | 150'-0" SPAN UNIT<br><br>SUPERSTRUCTURE<br><br>DETAILS |  |                 |  |
| REV.     | JXY        | SAN       | 3-14 |                                                        |  |                 |  |
|          | New Border |           |      |                                                        |  |                 |  |
| REVIEWED |            |           |      |                                                        |  |                 |  |
| QUAN.    | MRW        | PNP       | 1-10 |                                                        |  |                 |  |
| DR.      | MRW        | PNP       | 1-10 |                                                        |  |                 |  |
| DES.     | MRW        | BMH       | 1-10 |                                                        |  |                 |  |
| BY       | CHK.       | DATE      |      |                                                        |  |                 |  |
|          |            |           |      | COUNTY<br>XXXXXXXXXX                                   |  | ROUTE<br>XXXXXX |  |