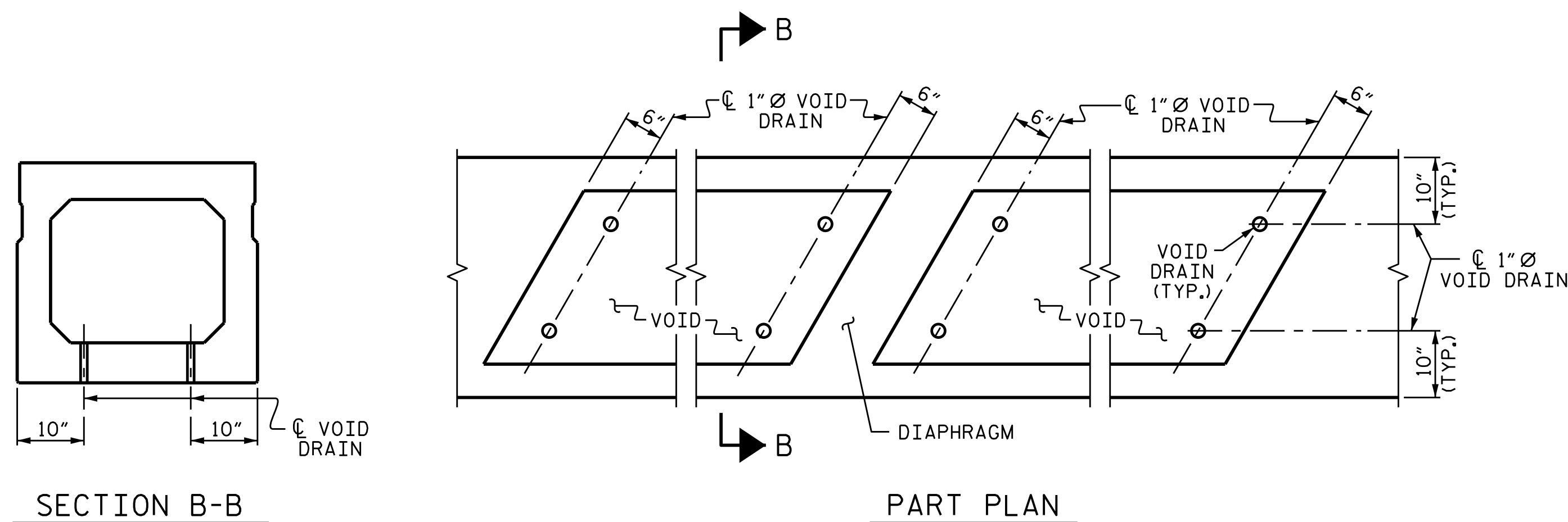


**DOUBLE DIAPHRAGM DETAILS**

#4 "S" BARS NOT SHOWN. #4 "S" BARS MAY BE SHIFTED SLIGHTLY TO CLEAR 2 1/2" Ø HOLE.

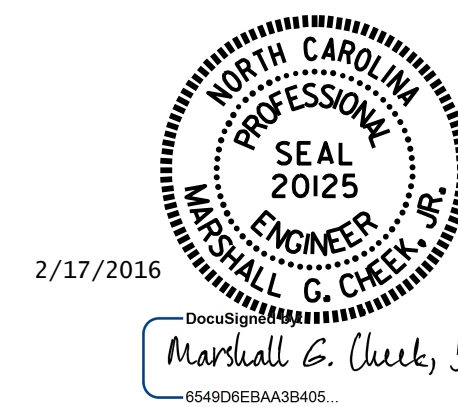
**GROUTED RECESS DETAIL AT END OF POST-TENSIONED STRANDS OF EXTERIOR BOX BEAM**



**VOID DRAIN DETAILS**  
(DIMENSIONS SHOWN ARE TYPICAL FOR EACH VOID)

| DEAD LOAD DEFLECTION AND CAMBER            |                                |
|--|--------------------------------|
| 80' BOX BEAM UNIT                          | 3'-0" x 2'-9"                  |
| CAMBER (SLAB ALONE IN PLACE)               | 0.6" Ø L.R. STRAND<br>1 3/4" ↑ |
| DEFLECTION DUE TO SUPERIMPOSED DEAD LOAD** | 1/2" ↓                         |
| FINAL CAMBER                               | 1 1/4" ↑                       |

\*\* INCLUDES FUTURE WEARING SURFACE



PROJECT NO. B-5396  
BUNCOMBE COUNTY  
 STATION: 17+00.00 -L-  
 SHEET 4 OF 5

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 STANDARD  
 3'-0" X 2'-9"  
 PRESTRESSED CONCRETE  
 BOX BEAM UNIT

|                          |              |
|--------------------------|--------------|
| ASSEMBLED BY : M. POOLE  | DATE : 10-15 |
| CHECKED BY : B. N. GRADY | DATE : 11-15 |
| DRAWN BY : DGE II/II     | REV. 8/14    |
| CHECKED BY : TMG II/II   | MAA/TMG      |

DOCUMENT NOT CONSIDERED  
 FINAL UNLESS ALL  
 SIGNATURES COMPLETED

| REVISIONS |     |       |     |     |       | SHEET NO.       |  |
|-----------|-----|-------|-----|-----|-------|-----------------|--|
| NO.       | BY: | DATE: | NO. | BY: | DATE: | S-7             |  |
| 1         |     |       | 3   |     |       | TOTAL SHEETS 18 |  |
| 2         |     |       | 4   |     |       |                 |  |