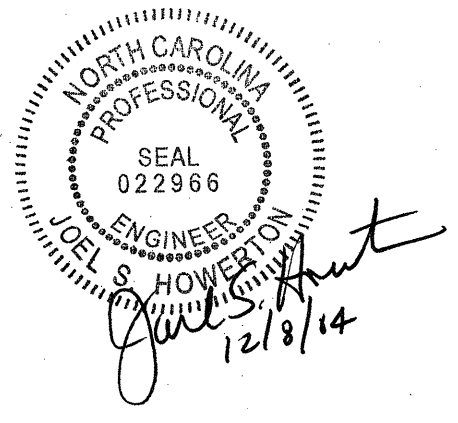


**NOTES:**

- \* CLASS "B" CONCRETE FOUNDATION PAD MAY BE ELIMINATED FOR ROCK OR FIRM CLAY BED LOCATIONS AS DIRECTED BY THE ENGINEER.
- \* CONSTRUCT HEADWALL IN ACCORDANCE WITH SPECIAL PROVISIONS AND THIS DETAIL.
- \* #13 REINFORCING BARS (GRADE 60) 30" LONG MAY BE SUBSTITUTED FOR 8" SPIKES. THE #13 REINFORCING BARS SHALL BE DRIVEN THRU 5 SANDBAGS MAXIMUM.

**QUANTITIES:**

- \* 45.3 CU. YDS. OF SANDBAG AREA.  
-7.4 CU.YDS. AREA FOR 2-72" CSP
- 37.9 CU.YDS. TOTAL SANDBAG AREA IN WALL
- \* 4.1 CU.YDS. OF CLASS "B" CONCRETE IN FOUNDATION.



**DESIGN SERVICES UNIT  
STANDARDS AND SPECIAL DESIGN**  
Office 919-250-4128 FAX 919-250-4119

**2-72" CSP SANDBAG HEADWALL**

ORIGINAL BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 MODIFIED BY: *rnbritt* DATE: 11-05-04  
 CHECKED BY: *Joel S. Howerton* DATE: 11/5/04  
 FILE SPEC.: *details/english/bridge/b3808\_72headw1.dgn*

5/14/99  
 05-NOV-2004 11:55  
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