

**GENERAL NOTES:**

- Reference Standards:
  - ASHTO LEVEE Bridge Design Specifications
  - ACI 318
- Design Parameters:
  - Earth Cover: 10' to 12'
  - Concrete: Culvert Design strength  $f'_c = 5000$  psi; Bridge & Footing Design strength  $f'_c = 4000$  psi; Unit weight = 150 pcf
  - Reinforcing: ASTM A615 (bars), grade 60; ASTM A615 (bars), 1/2" to 60 bar; Unit weight = 140 pcf; Minimum lateral pressure coefficient .25; Maximum lateral pressure coefficient .50
  - Soil: Cover to reinforcement: 1.0' to 1.5'
- Dimensions include joint creep. Culvert pieces length is 8' shorter. (i.e. long side of C = 42'-0")
- No compressing or underpinning required by CSI.
- BSB are cover box structures and to be placed in.
- Reinforce not designed for impact load.
- All exposed edges of concrete shall be finished with a 1/2" radius.

SECTION	CONCRETE	REINFORCING
BSB	1.81	1.11
CS	7.50	12.75
CS	1.26	1.11
CS	8.50	13.45

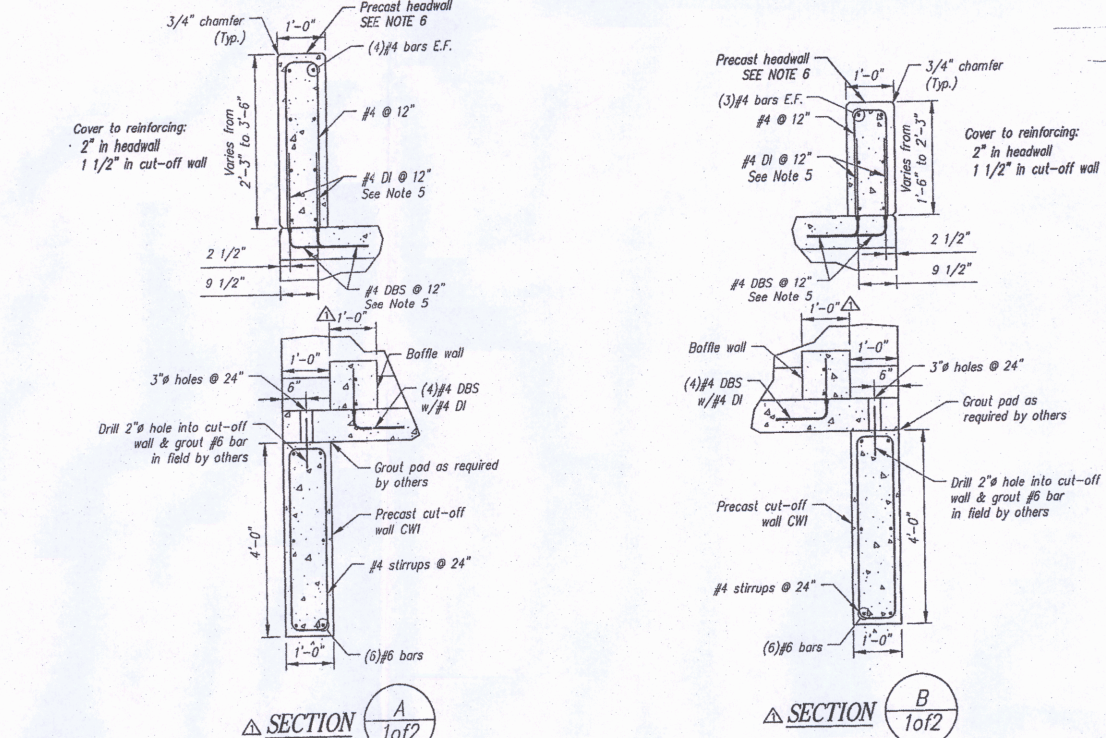
  

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 DRAWN BY: [Signature]  
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 PROJECT: [Signature]  
 BY: [Signature] DATE: [Signature]

Contributor to be verify that all information shown on this drawing is correct and that it is based on the information provided to the engineer. The engineer is not responsible for the accuracy of the information provided to the engineer. The engineer is not responsible for the accuracy of the information provided to the engineer. The engineer is not responsible for the accuracy of the information provided to the engineer.

Rev.	Date	DESCRIPTION
1	7/23/2009	Change to culvert reinforcing, 1" baffle



This drawing is based upon information provided from the following documents and/or sources:

Project No.	103 CULV (15)
Project Name	Proposed Improvement Bridge Project
Project Location	Shelburne through 1.7 mi. S. of Shelburne
Project Date	November 2008
Project Engineer	Michael J. Gault
Project Designer	Michael J. Gault
Project Checker	Michael J. Gault
Project Approver	Michael J. Gault

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