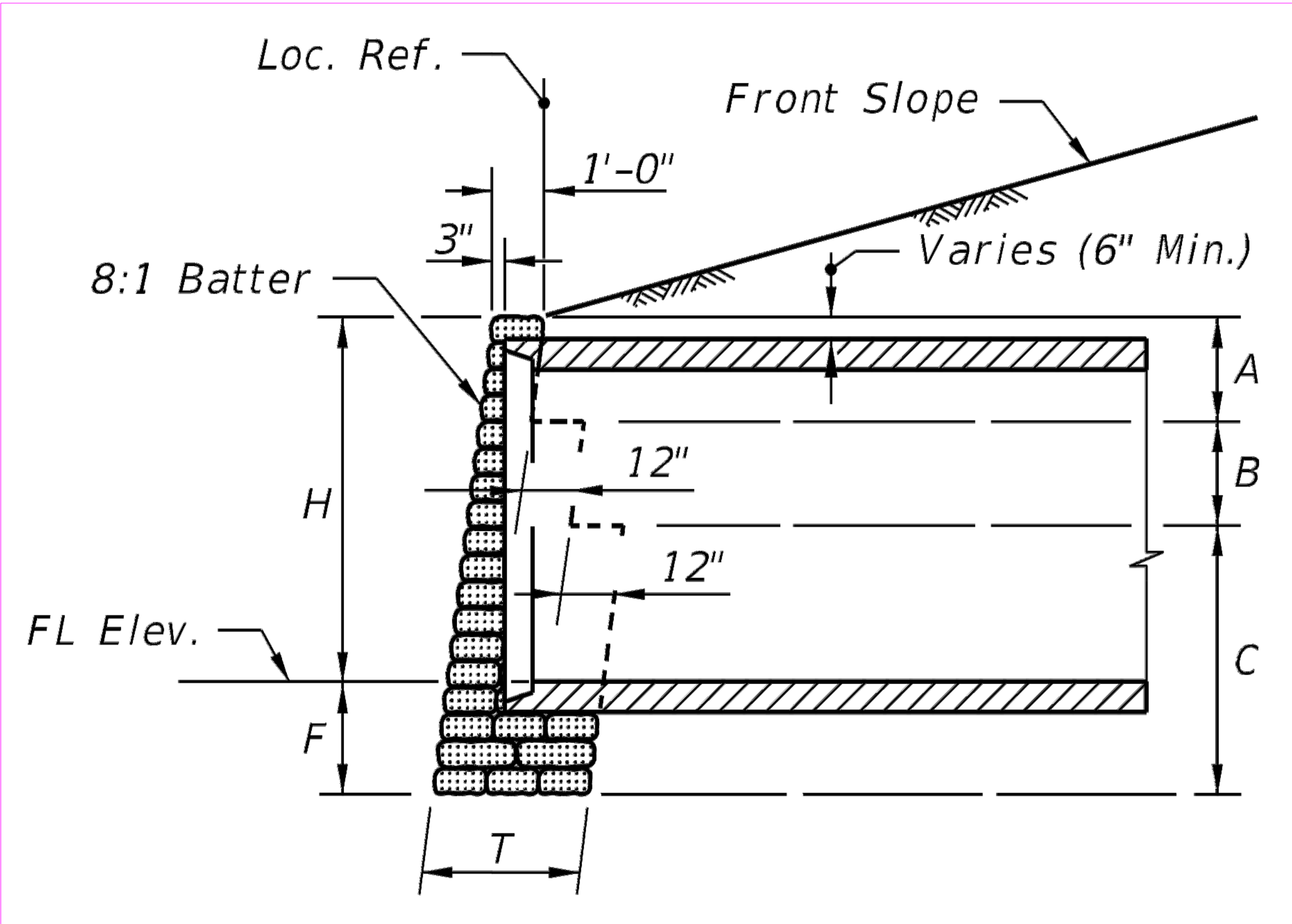


Note:

1. For concrete and corrugated metal pipes. Concrete pipe shown.
2. The top row of riprap bags shall be secured by pinning, using #4 reinforcing bars 18 inches in length, as follows:
 - a. The end bags shall be secured using two bars per bag, one vertical and one diagonal as shown.
 - b. The next to last bag on each end shall be secured with two bars vertically.
 - c. Bags located over the pipe shall be secured by a bar which is driven diagonally except that for concrete pipe two bars shall be used for single bags above the pipe.
 - d. Intermediate bags shall be secured with a single bar.

Bars shall be driven to one inch below the surface of the bag. The cost of furnishing and installing the bars shall be included in the cost of the riprap.



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REVISIONS:

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CLIENT:

8300 Congress, LLC.
8300 Congress Avenue,
Boca Raton, FL 33487

PROJECT:

8300 Congress Avenue
Site improvements
LWDD L-38 CANAL
CROSS-SECTIONS

GGB Engineering, Inc.
CIVIL & FORENSIC ENGINEERS, LAND PLANNERS,
CONSTRUCTION MANAGERS.
FLORIDA REGISTRATION No. 8118
Siring Road, Suite 201
Fort Lauderdale, Florida 33312
Phone: (954) 986-9899
Fax: (954) 986-6655

DATE: 10/04/15	SCALE: 1"=5'
DESIGNED BY: G.G.B.	DRAWN BY: B.B.
PROJECT NO. 14-0121	
SHEET XS 1	OF 1

GARY G. BLOOM, P.E.
FLA LIC. No. 19832