



WEAVER CONSTRUCTION MANAGEMENT
 3679 S. Huron St., Suite 404
 Englewood, CO 80110
 Phone: (303) 789-4111 FAX: (303) 789-4310

SUBMITTAL TRANSMITTAL

June 22, 2011
WCM Submittal No: 03300-016

PROJECT: **Harold Thompson Regional WRF**
 Birdsall Rd.
 Fountain, CO 80817
 Job No. 2908

ENGINEER: **GMS, Inc.**
 611 No. Weber St., #300
 Colorado Springs, CO 80903
 719-475-2935 Roger Sams

OWNER: **Lower Fountain Metropolitan
 Sewage Disposal District**
 901 S. Santa Fe Ave.
 Fountain, CO 80817
 719-382-5303 James Heckman

CONTRACTOR: **Baker Concrete Construction**
 1904 Jasper Street
 Aurora, CO 80011
 937-536-9000 Nick Dewald

SUBJECT: PVC Waterstop for Headworks Building - BoMetals RCB-938NT

SPEC SECTION: 03300 - Cast-In-Place Concrete

PREVIOUS SUBMISSION DATES: n/a

DEVIATIONS FROM SPEC: ___ YES X NO

CONTRACTOR'S STAMP: This submittal has been reviewed by Weaver General Construction and approved with respect to the means, methods, techniques, & safety precautions & programs incidental thereto. Weaver General Construction also warrants that this submittal complies with contracted documents and comprises on deviations thereto:

<p>Contractor's Stamp:</p> <p>Date: 7/11/11 Reviewed by: H.C. Myers <input checked="" type="checkbox"/> Reviewed Without Comments <input type="checkbox"/> Reviewed With Comments</p> <p>ENGINEER'S COMMENTS: _____</p>	<p>Engineer's Stamp:</p>
---	---------------------------------



Letter of Transmittal/Submittal

FROM: **Baker Concrete Construction**
 1904 Jasper Street
 Aurora, CO 80011
 303.367.8111
 Nick Dewald 937.536.9000

DATE	06/28/11	JOB NUMBER	9921
ATTENTION	John Jacob/Leslie Brown		
RE:	Harold Thompson Regional WRF		
TR#	03300-021	SM#	03300-004A

TO: **John Jacob/Leslie Brown**
Weaver General Construction Co.
3679 South Huron St., Suite 404
Englewood, CO 80110
john@weavergc.com / leslie@weavergc.com

We are sending you: via the following:

COPIES	DATE	PAGES	Description
1	6/28/2011	1	PVC Waterstop - BoMetals RCB-938NT - Headworks Building

THESE ARE TRANSMITTED as noted below:

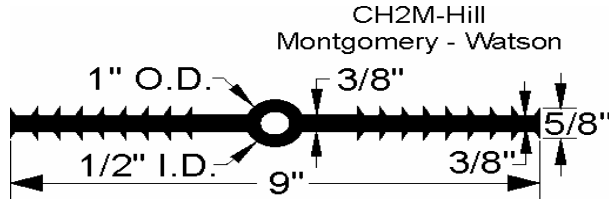
FOR APPROVAL	

REMARKS **BCCI proposes to use BoMetals RCB-938NT PVC waterstop for the Headworks Building.**

COPY TO File SIGNED: Nick Dewald
 Baker Concrete Construction, Inc.

If enclosures are not as noted, kindly notify us at once

PRODUCT DATA SHEET
RCB-938NT



Head of Pressure	Pounds per Lineal Foot
175'	2.40

WHERE TO USE RIBBED CENTER BULB WATERSTOP

Ribbed Center Bulb Waterstops are used in expansion joints where normal movement between members is anticipated. Also available in split shapes.

PHYSICAL PROPERTIES OF PVC WATERSTOP

Typical Properties	ASTM Method	Nominal Value
Water Absorption	D-570	0.15%
Tear Resistance, psi (kg per cm ²)	D-624	350 (24.5)
Specific Gravity, (+/-0.02)	D-792	1.33
Hardness, Shore A (+/-3, 10 sec. delay)	D-2240	74
Tensile, psi (kg per cm ²)	D-638, Type IV	2075 (145.25)
Elongation %	D-638, Type IV	435
100% Modulus, psi (kg per cm ²)	D-638, Type IV	725 (50.75)
Brittle Point (Tb)	D-746	-37° F / -38° C (Passed)
Stiffness in Flexure psi (kg per cm ²)	D-747	1440 (100.8)
Ozone Resistance	D-1149	No Failure
Accelerated Extraction, CRD-C572		
Tensile, psi (kg per cm ²)	D-638, Type IV	2025 (141.75)
Elongation, %	D-638, Type IV	420
Effect of Alkali, CRD-C572		
Weight Change, %	-----	+0.05
Change in Hardness, Shore A	D-2240	-3

INSTALLATION

Preparation

During progress of work all waterstop shall be protected from damage and should be free of oil, dirt and concrete spatter. Waterstop coils should be uncoiled several days before installation to insure ease of installation and fabrication. Be sure steel reinforcing bars do not interfere with proper positioning of waterstop.

Placement

The location and embedment of the waterstop shall be as shown on the drawings, with approximately one-half of the width of the waterstop embedded in the concrete on each side of the joint. All waterstops shall be sufficiently held in place to insure that they are correctly positioned to form a continuous watertight diaphragm in the joint unless otherwise shown. The method used to fasten the waterstop may be as follows:

- extending through a slot in the keyway
- held in place by split bulkheads
- hog ring and wire tie to reinforcing bars every 12 inches. Always secure hog ring or wire between the last rib and the end of the waterstop. Hog ring shall not penetrate the waterstop.

Care should be taken during concrete placement on horizontal sections to prevent excessive movement of the waterstop to insure against displacement. Always thoroughly and systematically vibrate concrete around the waterstop to avoid air entrapment and to provide a positive contact between the waterstop and the concrete. On the second pour, sweep horizontal joints to insure there is no foreign matter to interfere with positive contact between the waterstop and the concrete.

Splicing

Waterstops may need splicing at intersections, abrupt changes of direction, or to form longer lengths. Field splicing of straight butt joints is fairly simple. Mitered fittings such as ells, tees and crosses in both flat and vertical styles, are harder to splice correctly. We recommend that these types of fittings be factory fabricated. Please contact us for more details.

141 Hammond Street Carrollton, GA 30117
Phone 770-832-2000 ■ 800-862-4835 ■ FAX 770-832-2095 Visit our website @ www.bometals.com Address email to info@bometals.com
<i>Founded in 1989, BoMetals has become an industry leader in the design and manufacture of concrete and masonry accessories.</i>