

KUBRICKY CONSTRUCTION CORP.  
269 BALLARD ROAD

WILTON, NY 12831  
518 792-5864



Issued 07/02/15  
Respond by 07/10/15

Rutland City BRF 3000 (2014036)  
SUBMITTAL 63

To

**Timothy Pockette, PE**

Topic	900.640 16 & 20" Casing for DIP at Bridge Approaches
Status	For Approval
Spec section	900.640
Responsibility	(16) River Street
Sent to approver	7/2/15
Required from approver	7/10/15

Message Tim,

Sheet 8 of 22 of the Water and Sewer plans calls for casing spacers. The insulation for this pipe has an OD of 13.2" and 17.2". The ID for the casings are 15.25" and 19.25". The spacers that I have submitted with this package allow for a clearance of 1.3 & 1.4" for installation of the pipe and would require (IAW the drawings) that we cut away the insulation at the spacer locations.

I request to eliminate the casing spacers for several reasons. The insulation allows < 3/4" more space within the casing then we would have with the spacers. The mechanical joint "Mech-Lok" pipe will have rigid connections and will be self supporting. We can eliminate the need to interrupt the insulation at the casing spacers.

Please indicate on the submittal approval if this request is acceptable.

Thank you,  
Volker

From

**Volker H.D. Burkowski**

Signed by

Date

7/2/15

Proceed as Indicated

Owner Authorized Representative

Date

# OPS SALES COMPANY

OPS NATIONWIDE SALES

## MATERIAL CERTIFICATION

6/16/2015

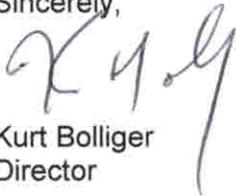
HD Supply Waterworks  
14 Arch Street  
Watervliet, NY 12189

Attn: Mr. Jay Leary

Re: Rutland City BRF 3000(16) Project  
Rutland, VT  
Steel Casing Pipe

This is to certify that the 54' of 20" OD X .375 nominal wall steel pipe furnished for the above referenced project meets or exceed the physical properties of ASTM specification A-139 Gr. B (No Hydro), OD coated AWWA C-203 (TGF-3), carries a minimum yield strength of 35,000 psi, and is of domestic manufacture.

Sincerely,



Kurt Bolliger  
Director

# OPS SALES COMPANY

OPS NATIONWIDE SALES

## MATERIAL CERTIFICATION

6/16/2015

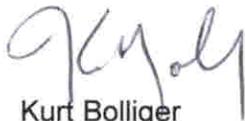
HD Supply Waterworks  
14 Arch Street  
Watervliet, NY 12189

Attn: Mr. Jay Leary

Re: Rutland City BRF 3000(16) Project  
Rutland, VT  
Steel Casing Pipe

This is to certify that the 160' of 16" OD X .500 nominal wall steel pipe furnished for the above referenced project meets or exceed the physical properties of ASTM specification A-139 Gr. B (No Hydro), OD coated AWWA C-203 (TGF-3), carries a minimum yield strength of 35,000 psi, and is of domestic manufacture.

Sincerely,



Kurt Bolliger  
Director



## DURAMAT® HD PIPELINE OUTERWRAP

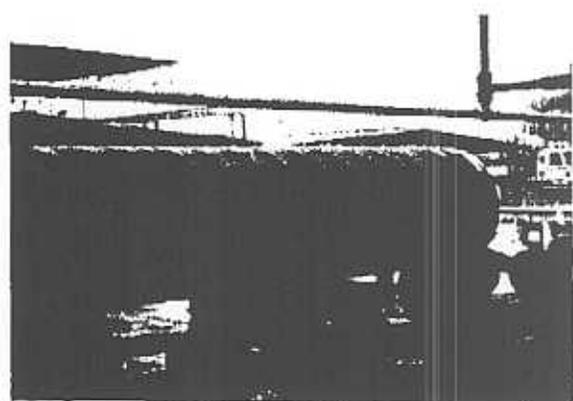
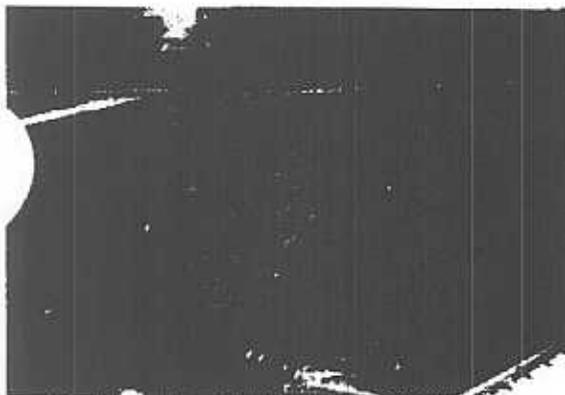
DURAMAT heavy duty pipeline outerwrap is manufactured to meet the requirements of AWWA C203 and BS534. The thick non-woven fiberglass mat is available reinforced with parallel fiberglass strands or non-reinforced. The fiberglass mat is impregnated with a coal tar that is fully compatible with coal tar enamels manufactured in accordance with AWWA C203 and BS4164.

The DURAMAT HD outerwrap surface is dusted with an inorganic parting agent, to prevent sticking within the roll. Its tensile strength is more than adequate to allow trouble-free application with high-speed wrapping machines.

DURAMAT outerwrap is also available asphalt (bitumen) impregnated.

### PHYSICAL CHARACTERISTICS

		AWWA C203 SPECIFICATION	NOMINAL	TEST METHOD
<b><u>FIBERGLASS TISSUE BASE</u></b>				
Weight	g/sqm	83 min	93	ANSI/ASTM D146
	lbs/square	1.7 min	1.85	
Reinforcement Spacing	mm	30 min	30	ANSI/ASTM D146
<b><u>FINISHED OUTERWRAP</u></b>				
Weight	g/sqm	580 min	675	ANSI/ASTM D146
	lbs/square	732 max		
		12 min	12.5	ANSI/ASTM D146
		15 max		
Thickness	mm	0.76 min	0.76	TAPPI T411
	mils	30 min	30	MODIFIED
Tensile Strength (Average)				
Longitudinal Direction	N/m(width)	6250 min	12,000	ASTM D882
	lbf/inch(width)	35 min	69	
Transverse Direction	N/m(width)	4730 min	8,000	ASTM D882
	lbf/inch(width)	27 min	46	
Pliability		no cracking	no cracking	AWWA C203
Weight Loss on Heating		2% max	1.3%	AWWA C203
Core Size	cm		7.62	
	inches		3	



# CASING INSULATOR SPECIFICATION

CUSTOMER APPROVAL

**PART# : SSIM-1020-CR-3-V**

PRINT NAME	SIGNATURE

**BAND**

8" WIDE  
 14 GA. (.074") 304 STAINLESS STEEL  
 2-B FINISH  
 RIBBED FLANGES

**LINER**

PVC LINER  
 HARDNESS - DUROMETER "A" 85-90  
 OPERATING TEMP: 140 F  
 DIELECTRIC STRENGTH - 60,000 VPM

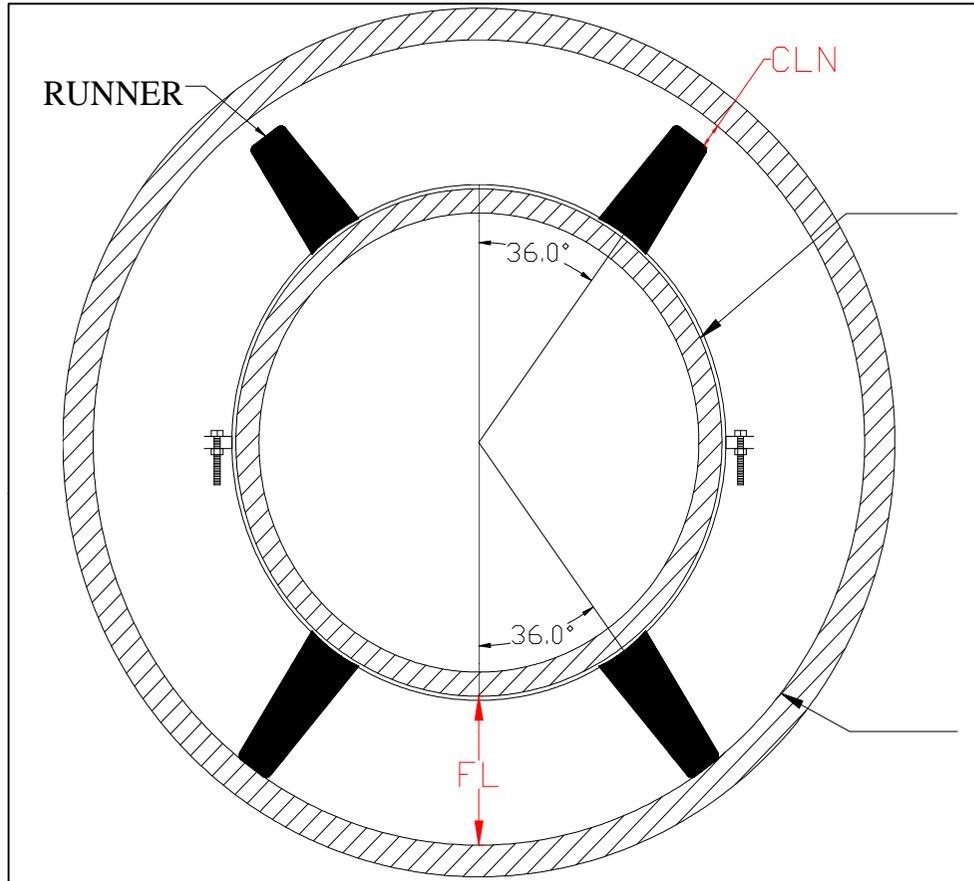
**RUNNER**

2" WIDE X 2 1/2" HIGH MOLDED POLYMER-MOD  
 2 TOP

2" WIDE X 4" HIGH MOLDED POLYMER-MOD  
 2 BOTTOM

**ASSEMBLY HARDWARE**

3 SETS PER FLANGE  
 1/4" - 20 X 2" STAINLESS STEEL BOLTS  
 1/4" STAINLESS STEEL WASHERS  
 1/4" STAINLESS STEEL NUTS



11.1000 "O.D.  
 CARRIER PIPE

19.2500 "I.D.  
 CASING PIPE

CLN=CLEARANCE=	1.3
FL=FLOW LINE=	4.1

DRAWING IS NOT TO SCALE
COMMENTS:

PIPE(lbs/ft): 0

PIPE TYPE: XXX



Advance Products & Systems		
P.O. Box 60399 Lafayette, LA. 70578-0399 Ph.# (337)233-6116 Fax # (337)232-3860		
Casing Spacer	Drawn by:	miguellr
11.1 X 19.25	Approved by:	JEW
4/14/2015		

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# CASING INSULATOR SPECIFICATION

CUSTOMER APPROVAL

**PART# : SSIM-0616-CR-2-V**

PRINT NAME	SIGNATURE

**BAND**

8" WIDE  
 14 GA. (.074") 304 STAINLESS STEEL  
 2-B FINISH  
 RIBBED FLANGES

**LINER**

PVC LINER  
 HARDNESS - DUROMETER "A" 85-90  
 OPERATING TEMP: 140 F  
 DIELECTRIC STRENGTH - 60,000 VPM

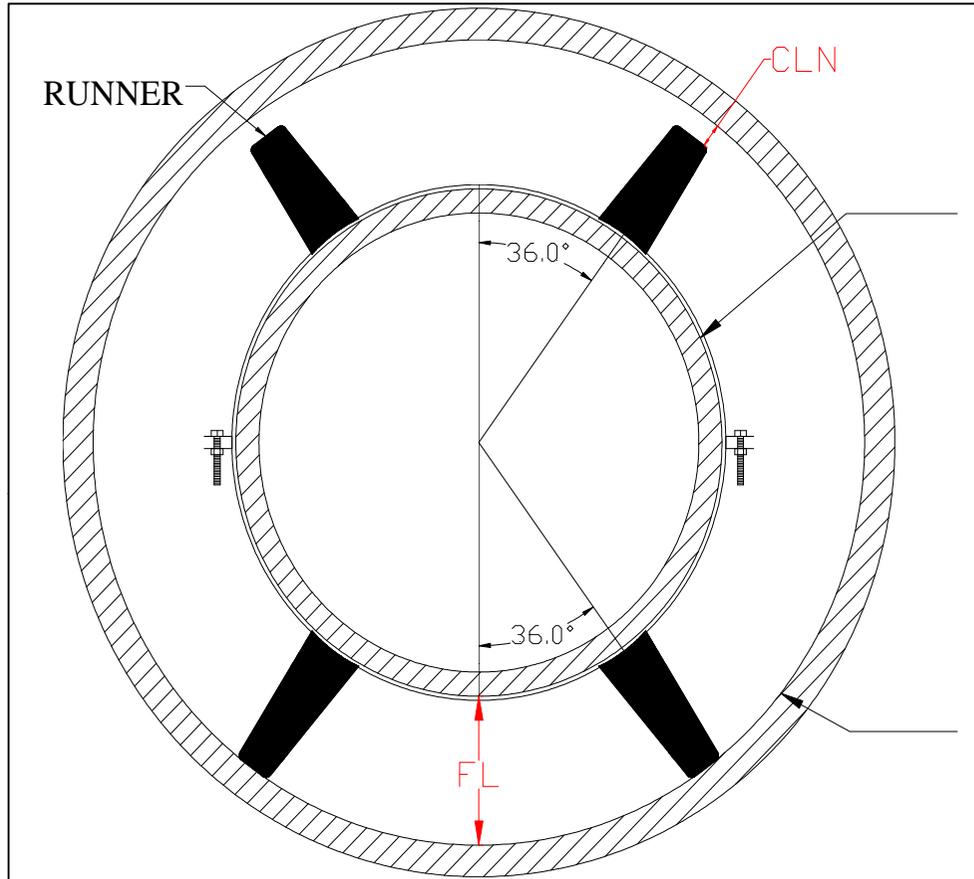
**RUNNER**

2" WIDE X 2 1/2" HIGH MOLDED POLYMER-MOD  
 2 TOP

2" WIDE X 4" HIGH MOLDED POLYMER-MOD  
 2 BOTTOM

**ASSEMBLY HARDWARE**

3 SETS PER FLANGE  
 1/4" - 20 X 2" STAINLESS STEEL BOLTS  
 1/4" STAINLESS STEEL WASHERS  
 1/4" STAINLESS STEEL NUTS



6.9000 "O.D.  
 CARRIER PIPE

15.2500 "I.D.  
 CASING PIPE

CLN=CLEARANCE=	1.4
FL=FLOW LINE=	4.2

DRAWING IS NOT TO SCALE
COMMENTS:

PIPE(lbs/ft): 0

PIPE TYPE: XXX

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Advance Products & Systems		
P.O. Box 60399 Lafayette, LA. 70578-0399 Ph.# (337)233-6116 Fax # (337)232-3860		
Casing Spacer	Drawn by:	miguelr
6.9 X 15.25	Approved by:	JEW
6/29/2015		