



Village of Menomonee Falls  
 W156 N8480 Pilgrim Road  
 Menomonee Falls, WI 53051-3140  
 Telephone: (262) 532-4200

Rec 8-16-11  
 Radiant  
 Heat

STORMWATER MANAGEMENT FACILITIES  
 OPERATION AND INSPECTION REPORT

Quarter Section SEL 36 Name of Business/Subdivision ENHANCED AUTOMATION  
 Property Tax ID Number 0142999016 Address of Property W136 N5239 CAMPBELL CT.

Dry Pond	<input checked="" type="checkbox"/>
Wet Pond	<input type="checkbox"/>
Other	<input checked="" type="checkbox"/>

Description: STORMCEPTOR SWP 36N002  
Dry Pond SWP 36N001

Location Of Pond SOUTHEAST CORNER OF SITE @ ROADWAY R.O.W.

Same as  
 Bruce  
 5239  
 Invertments

Year Pond Constructed 2004 Year of Last Certification for 2009

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
<b>Primary Outlet Pipe</b>					
RISER TO STORMCEPTOR					
Opening Diameter	8"	8"	<input checked="" type="checkbox"/>		PIPE IS CLEAN & CLEAR
Upstream Invert	744.10	744.02	<input checked="" type="checkbox"/>		
Downstream Invert	743.90	743.81	<input checked="" type="checkbox"/>		
Length	35.0'	28.0'	<input checked="" type="checkbox"/>		
Slope	0.0057	0.0075	<input checked="" type="checkbox"/>		
<b>Secondary Outlet Pipe</b>					
(If Applicable) STORMCEPTOR TO CATCHBASIN					
Opening Diameter	8"	8"	<input checked="" type="checkbox"/>		PIPE IS CLEAN & CLEAR
Upstream Invert	743.80	743.81	<input checked="" type="checkbox"/>		
Downstream Invert	743.70	743.58	<input checked="" type="checkbox"/>		
Length	31.0'	30.0'	<input checked="" type="checkbox"/>		
Slope	0.0032	0.0077	<input checked="" type="checkbox"/>		
<b>Riser</b>					
(If Applicable)					
Opening Diameter	24"	24"	<input checked="" type="checkbox"/>		RISER IS SOUND & STABLE
Elevation	750.65	750.40	<input checked="" type="checkbox"/>		
<b>Upper Discharge Control</b>					
(If Applicable)					
Opening Diameter	2.2"	2.1"	<input checked="" type="checkbox"/>		OPENING IS CLEAR
Elevation	748.00	747.81			

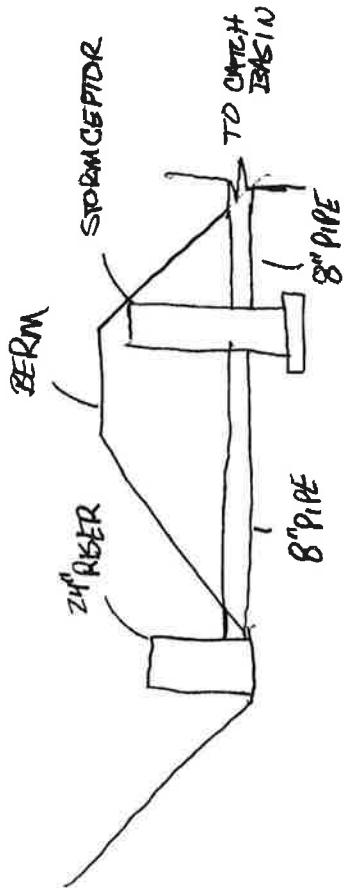
Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
<b>Lower Discharge Control</b>	(If Applicable)					
Opening Diameter	1.5"	1.5"	<input checked="" type="checkbox"/>		OPENING IS CLEAR	
Elevation	744.50	744.29	<input checked="" type="checkbox"/>			
<b>Other (Description)</b>	STORMCEPTOR					
Opening Type	RIM GRADE	750.2	749.8		STORMCEPTOR IS STABLE	
Elevation	SWAMP	743.77			AND CLEAN	
<b>Emergency Spillway</b>	N/A					
Elevation						
Length of spillway						
<b>Embankment</b>			Present			
			Yes	No		
Unauthorized plantings, trees, or woody vegetation			<input checked="" type="checkbox"/>			
Animal burrows or slope erosion			<input checked="" type="checkbox"/>			
<b>Storage Properties</b>	Design	Actual	Compliant		Points Surveyed	Equipment Used
			Yes	No		
Normal Water Elevation (Wet Ponds)						
Design High Water Elevation	750.61	750.41	<input checked="" type="checkbox"/>		60(TOTAL)	TOTAL STATION
Area at Normal Water Elevation (Ac) (Wet Ponds)						
Area at Design High Water Elevation (Ac)	0.077	0.077	<input checked="" type="checkbox"/>		60(TOTAL)	TOTAL STATION
Active Storage Available (Ac-Ft)*	0.235	0.241	<input checked="" type="checkbox"/>			
Lowest Elevation at Top of Embankment (If Applicable)	750.2	750.03	<input checked="" type="checkbox"/>		9	TOTAL STATION
Average Elevation at Top of Embankment (If Applicable)	750.2	750.42	<input checked="" type="checkbox"/>		9	TOTAL STATION
Maximum Bottom Elevation	744.0	744.02	<input checked="" type="checkbox"/>		1	TOTAL STATION
Average Pond Bottom Elevation	744.0	744.02	<input checked="" type="checkbox"/>		1	TOTAL STATION
Pond Bottom Area (Ac)	80.0	40	<input checked="" type="checkbox"/>			
Maximum Pond Depth	6.2	6.74	<input checked="" type="checkbox"/>			
Average Pond Depth	6.2	6.40	<input checked="" type="checkbox"/>			

\*To Determine Active Storage  $V=H/3(A1+A2+(A1 \times A2)^{1/2})$

Wet Ponds Use  $H$  = Height of Section,  $A1$  = area at normal water elevation,  $A2$  = area at top section

Dry Ponds Use  $H$  = Height of Section,  $A1$  = pond bottom area,  $A2$  = area at top section

Sketch Outlet



Place Photograph of Pond

Place Photograph of Pond

Inspection Firm: CS ENGINEERING LLC Inspector Name: RANDY BRUCKNER  
 Phone Number: 414-443-1312 Inspection Date: 08-12-11  
 Address: 9205 W. CENTER ST.  
SUITE 214  
MILWAUKEE WI 53202

Certifying Professional Name: RANDALL S. BRUCKNER  
 Phone Number: 414-443-1312



Date:

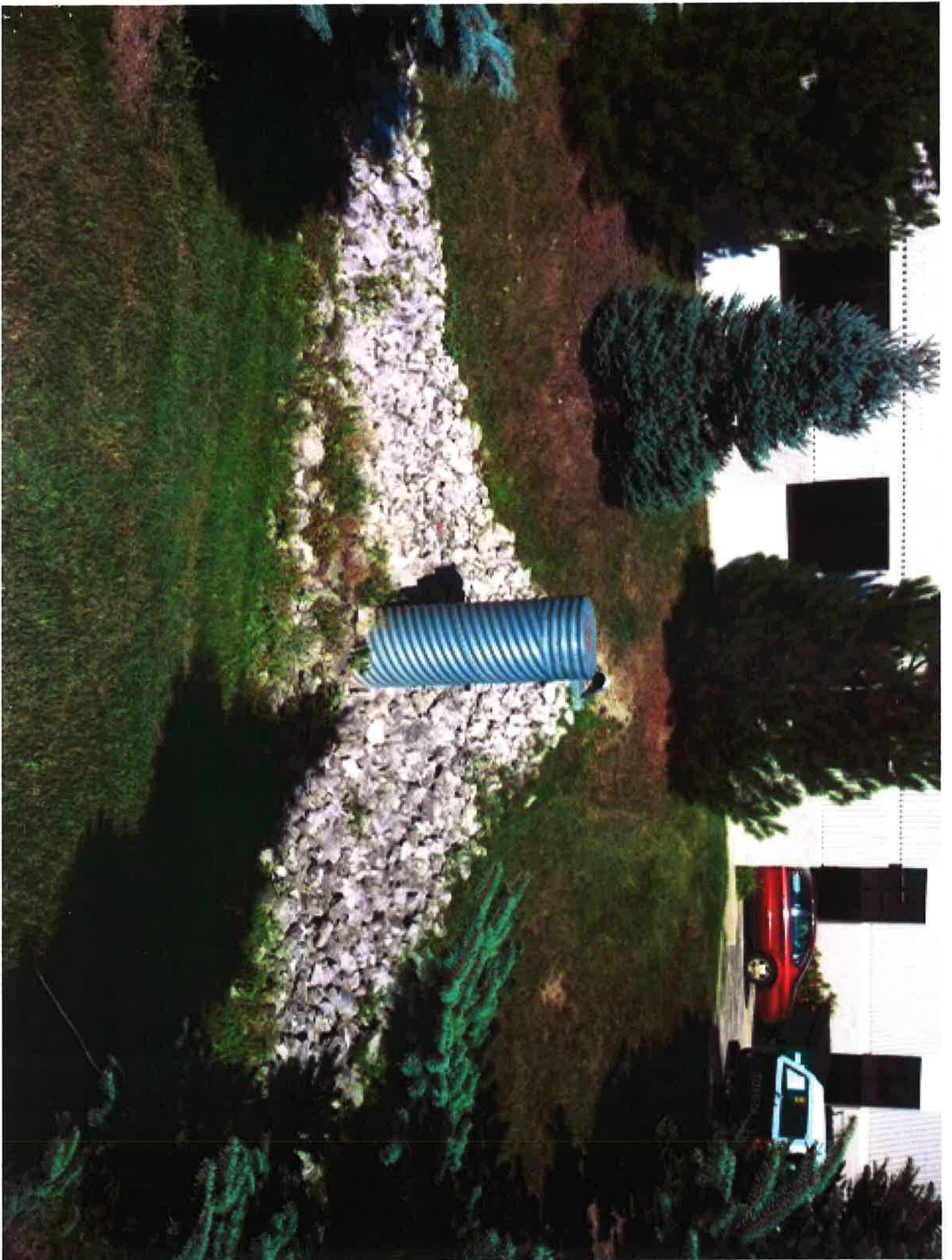
08-12-11

Signature:

*Randy Bruckner*

Affix Seal Here





## Greifenhagen, Nancy

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**From:** Randy Bruckner [randy@cj-engineering.com]  
**Sent:** Tuesday, August 16, 2011 9:47 AM  
**To:** Greifenhagen, Nancy  
**Cc:** fbruce@enhancedautomation.com; 'Chris Jackson'  
**Subject:** Enhanced Automation Operation & Inspection Report  
**Attachments:** photo.JPG; photo2.JPG; Enhanced Automation Operation & Inspection Report.pdf

Nancy,  
Per requirement of Menomonee Falls, please see attached report and pictures of the storm water facility of Enhanced Automation for your review and approval.

If you should have any questions or comments please feel free to contact me directly.

Thanks,

Randy

Randall S. Bruckner PE

### **CJ Engineering**

9205 W. Center Street  
Suite 214  
Milwaukee, WI 53222  
Ph: (414) 443-1312 x223  
Fax: (414) 443-1317  
[randy@cj-engineering.com](mailto:randy@cj-engineering.com)



*Village of Menomonee Falls*  
*W156 N8480 Pilgrim Road*  
*Menomonee Falls, WI 53051-3140*  
*Telephone: (262) 532-4200*

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Frank Bruce II  
Bruce 5239 Investments, LLC  
W136N5239 Campbell Court  
Menomonee Falls WI 53051

RE: Stormwater Facility Inspections

Dear Frank,

Thank you for your letter regarding an extension to fulfill the Stormwater Facility Inspection Reports.

You have requested a new deadline date of August 31<sup>st</sup>, 2011 which is acceptable. If you have any further questions, please do not hesitate to contact me.

Sincerely,

Nancy Greifenhagen  
Environmental Coordinator  
Stormwater Utilities Management Department



**Engineers – Integrators – Manufacturers  
Of Industrial Automation and Control Systems**

W136N5239 Campbell Ct. Menomonee Falls, WI 53051 USA  
1-888-783-5970 Tel: 1 (262) 783-5970 Fax: 1 (262) 783-5974  
[www.enhancedautomation.com](http://www.enhancedautomation.com)

July 21<sup>st</sup>, 2011

Village of Menomonee Falls  
Nancy Greifenhagen  
Environmental Coordinator  
Stormwater Utilities Mgnt. Department  
W156 N8480 Pilgrim Road  
Menomonee Falls, WI 53051-3140

Dear Nancy:

This is to confirm and supplement our discussion of July 18<sup>th</sup> regarding the Inspection of the stormwater Facilities at N52W13670 North Park Drive. As I mentioned the first inspection request was sent to the original owner of the property about two weeks after the purchase was completed by Bruce 5239 Investments. Unfortunately, the request was never forwarded.

The suggestion you gave me of having the fabricator of the building perform the inspection was a good one. Unfortunately, Jansen Construction is under receivership and doesn't answer their phone. I have been given the names of several surveyors that can perform the requested evaluation but do not have a firm quote as of this date.

Therefore, I would like to formally request that Bruce 5239 Investments, LLC be given an extension till August 31<sup>st</sup> to have the inspection and report completed and submitted to your office.

Sincerely,

A handwritten signature in black ink, appearing to read 'Frank Bruce III', written in a cursive style.

Frank Bruce III  
Bruce 5239 Investments, LLC  
W136N5239 Campbell Court  
Menomonee Falls, WI 53051