

LETTER OF TRANSMITTAL

Date: 6/29/10 Project No.: 2741

To: Village of Menomonee Falls
Engineering Dept.
W156 N8480 Pilgrim Road
Menomonee Falls, WI 53051

RE: Good Will Facility
Storm Water Pond Inspection

We are sending you the following items:

☐ Prints ☒ Plans ☒ Reports X Other
☐ Specifications ☐ Copy of letter ☐ Change order

COPIES	ENCLOSED	UNDER SEPARATE COVER	DESCRIPTION
1	X		Inspection Form
1	X		Current Condition Survey

These are transmitted as checked below:

☐ For approval ☐ No exceptions taken ☐ Resubmit ___ copies for review
X For your use ☐ Make corrections noted ☐ Submit ___ copies for distribution
☐ As requested ☐ Rejected; resubmit as noted ☐ Return _____ corrected prints
☐ For review and comment ☐ For Bids due _____ ☐ Prints returned after loan to us

Notes/Comments:

On behalf of Good Will, Sigma Development is submitting the attached storm water basin inspection form and survey. Please let us know if you need any additional information.

Sincerely,


James B. Leedom, P.E.

Cc: M. Marisa Scuncio, Good Will



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

STORMWATER MANAGEMENT FACILITIES
OPERATION AND INSPECTION REPORT

Quarter Section NE 1/4 SEC 4 Name of Business/Subdivision FOODWILL
Property Tax ID Number 001 3980 Address of Property W178 N9315
WATERTOWER PLACE

Dry Pond	
Wet Pond	
Other	

Description: _____

Location Of Pond NORTHWEST PORTION
OF SITE

Year Pond Constructed 2006 Year of Last Certification 2006

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					
Opening Diameter	24"	24"			
Upstream Invert	896.0	896.0			
Downstream Invert	896.0	896.02			
Length	40'	40'			
Slope	0%	0%			
Secondary Outlet Pipe (If Applicable)					
Opening Diameter		N/A			
Upstream Invert		N/A			
Downstream Invert		N/A			
Length		N/A			
Slope		N/A			
Riser (If Applicable)					
Opening Diameter		N/A			
Elevation		N/A			
Upper Discharge Control (If Applicable)					
Opening Diameter	4.8"	N/A			NO WIER STRUCTURE OBSERVED IN OUTLET
Elevation	899.55	N/A			CONTROL STRUCTURE Does not appear as though

OUTLET CONTROLS WERE
INSTALLED

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter	3.7"	N/A			NO WIER STRUCTURE OBSERVED IN OCS	
Elevation	896	N/A			Does not appear as though outlet controls were installed	
Other (Description)						
Opening Type						
Elevation						
Emergency Spillway						
Elevation	903	N/A			DOES NOT APPEAR TO HAVE BEEN CONSTRUCTED	
Length of spillway	5'	N/A				
Embankment			Present Yes No			
Unauthorized plantings, trees, or woody vegetation			X		POND CONTAINS LARGE-2 CEE AMOUNT OF VEGETATION PHOTO	
Animal burrows or slope erosion			X		EROSION AT SE INLET SEE PHOTO	
Storage Properties	Design	Actual	Compliant Yes No		Points Surveyed	Equipment Used
Normal Water Elevation (Wet Ponds)	896	896				TRIMBLE 5600 TOTAL STATION
Design High Water Elevation	902.92	902.92				
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.09	0.07				
Area at Design High Water Elevation (Ac)	0.27	0.25				
Active Storage Available (Ac-Ft)*	0.86	0.76				
Lowest Elevation at Top of Embankment (If Applicable)	903	902.9				
Average Elevation at Top of Embankment (If Applicable)	904	903.5				
Maximum Bottom Elevation	891	892.1				
Average Pond Bottom Elevation	891	892.4				
Pond Bottom Area (Ac)	0.004	0.01				ACTUAL CALCULATED TO 893 CONTOUR
Maximum Pond Depth	5.0	3.9				
Average Pond Depth	5.0	3.6				

*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

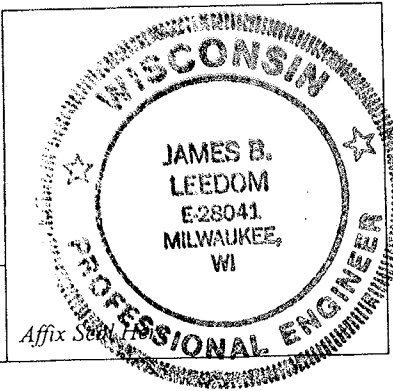
SEE ATTACHED

Place Photograph of Pond

SEE ATTACHED

Inspection Firm: THE SIGMA GROUP Inspector Name: KEVIN SLOTTKE
Phone Number: 414-643-4200 Inspection Date: JUNE 24, 2010
Address: 1300 W. CANAL ST
MILWAUKEE WI 53233

Certifying
Professional Name: JAMES B. LEEDOM, P.E.
Phone Number: 414-643-4120



Date:

6/28/10

Signature:

[Handwritten Signature]



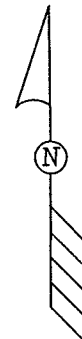
Pond Overview



Erosion around southeast inlet pipe.



Vegetation



MANHOLE RIM=904.08 (904.50)
N. 24" HDPE I.E.=895.93 (896.00)
S. 24" HDPE I.E.=896.00 (896.00)

OUTLET
24" HDPE
I.E.=896.02 (896.00)

MONARCH LANE

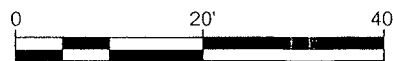
24" HDPE
I.E.=897.75 (897.90)

18" HDPE
I.E.=898.02 (898.41)

Contours shown represent existing
conditions June 24, 2010

Water elev June 24, 2010 - 896.3

Existing spot elevation X 902.5
Design elevation (897.90)



Goodwill Industries
Monarch Lane
Menomonee Falls, WI

THE **SIGMA** GROUP
Single Source. Sound Solutions.

www.thesigmagroup.com
1300 West Canal Street
Milwaukee, WI 53233
Phone: 414-643-4200
Fax: 414-643-4210

June 24, 2010 K.A.S. 2744-V030-A.dwg

SCALE:

Storm Water Basin
Existing Conditions

FIGURE 1

899.69
NW = 898.81
SE = 895.86
S = 895.84

2" RCP APRON
AND WALL W/ RIP RAP
896.35

RIM = 904.67
15" IE NW = 90
12" IE NE = 90
12" IE SE = 90

4N002

