



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 SW 1/4 of S13 Name of Business/Subdivision NORTH HILLS TERRACE
 Property Tax ID Number MNFY0051969 Address of Property N74 W13137 APPLETON AVE.
MENOMONEE FALLS, WI 53051

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

Description: CISTERN & STORM CENTER
 Location Of Pond BELOW PARKING GARAGE

Year Pond Constructed 2004 Year of Last Certification N/A

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					
Opening Diameter					
Upstream Invert					
Downstream Invert					
Length					
Slope					
Secondary Outlet Pipe (If Applicable)					
Opening Diameter					
Upstream Invert					
Downstream Invert					
Length					
Slope					
Riser (If Applicable)					
Opening Diameter					
Elevation					
Upper Discharge Control (If Applicable)					
Opening Diameter	4"	4"	X		
Elevation	18"	18"	X		DISTANCE FROM STRUCTURE BOTTOM

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter	2"	2"	X			
Elevation	0	0	X		DISTANCE FROM STRUCTURE BOTTOM	
Other (Description)						
Opening Type	Box	Box	X		TWO 2' x 6" OVERFLOW STRUCTURES	
Elevation	3.5'	5.5'	X		DISTANCE FROM STRUCTURE BOTTOM. STORAGE VOLUME IS	
Emergency Spillway					GREATER BELOW CONSTRUCTED OVERFLOW COMPARED TO DESIGN (DESIGN: 15,500 CF CONSTRUCTED: 16,555 CF)	
Elevation						
Length of spillway						
Embankment			Present			
			Yes	No		
Unauthorized plantings, trees, or woody vegetation						
Animal burrows or slope erosion						
Storage Properties	Design	Actual	Compliant		Points Surveyed	Equipment Used
			Yes	No		
Normal Water Elevation (Wet Ponds)						
Design High Water Elevation						
Area at Normal Water Elevation (Ac) (Wet Ponds)						
Area at Design High Water Elevation (Ac)						
Active Storage Available (Ac-Ft)*	0.52	0.55	X			DESIGN DIM. 150' x 30' x 5' DEEP AS BUILT DIM. 215' x 14' x 8' DEEP
Lowest Elevation at Top of Embankment (If Applicable)						
Average Elevation at Top of Embankment (If Applicable)						
Maximum Bottom Elevation						
Average Pond Bottom Elevation						
Pond Bottom Area (Ac)	0.10	0.07	X			CONSTRUCTED STRUCTURE PROVIDES MORE STORAGE
Maximum Pond Depth						
Average Pond Depth	5'	8'	X			CONSTRUCTED STRUCTURE PROVIDES MORE STORAGE

*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

SEE ATTACHED

Place Photograph of Pond

SEE ATTACHED

Inspection Firm: GRAEF Inspector Name: TRAVIS HAYS
Phone Number: 414-266-9289 Inspection Date: 5/13/2010
Address: 125 S. 84th ST.
SUITE 401
MILW., WI 53214

Certifying
Professional Name: JOHN T. McCARTHY
Phone Number: 414-266-9102

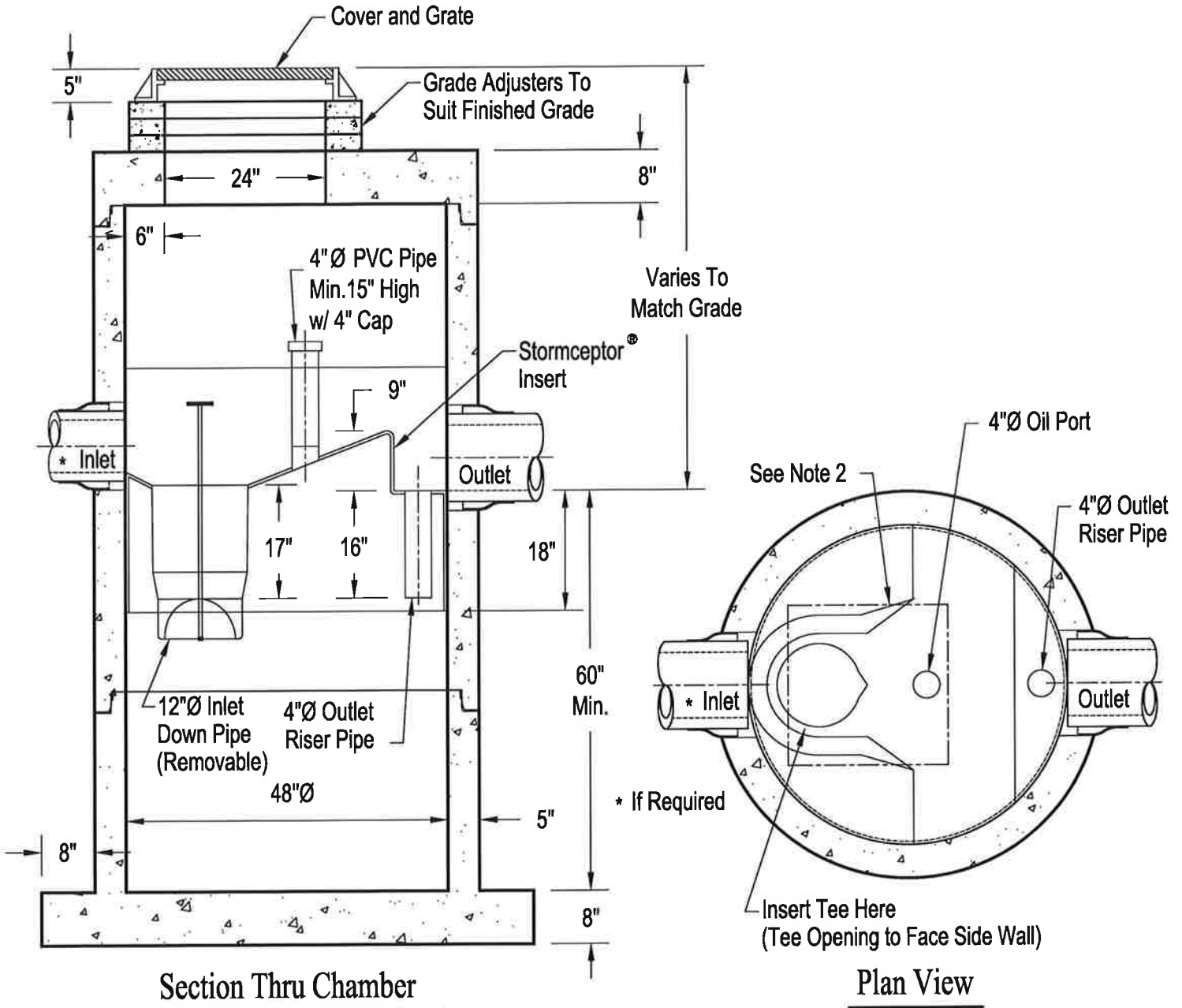


Date:

5-27-10

Signature:

**STC 450i Precast Concrete Stormceptor®
(450 U.S. Gallon Capacity)**



Notes:

1. The Use Of Flexible Connection is Recommended at The Inlet and Outlet Where Applicable.
2. The Cover Should be Positioned Over The Inlet Drop Pipe and The Oil Port.
3. The Stormceptor System is protected by one or more of the following U.S. Patents: #4985148, #5498331, #5725760, #5753115, #5849181, #6068765, #6371690.
4. Contact a Concrete Pipe Division representative for further details not listed on this drawing.



Site Photo 1: May 13, 2010 Stormsewer Inlet



Site Photo 2: May 13, 2010 Stormceptor

SITE VISIT PHOTOGRAPHS
NORTH HILLS TERRACE CONDO
MENOMONEE FALLS





Site Photo 3: May 13, 2010 Stormceptor



Site Photo 4: May 13, 2010 Stormceptor

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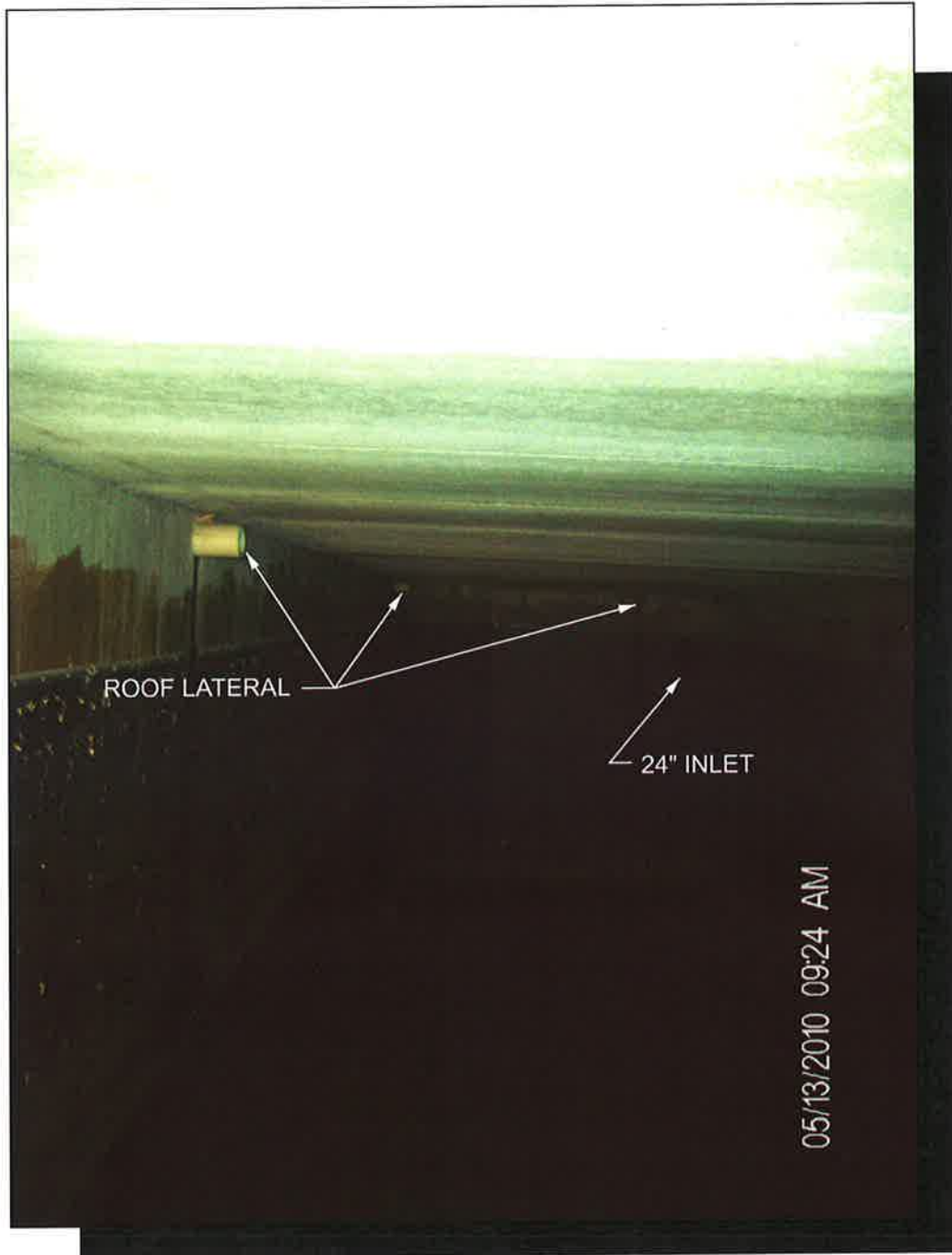
Site Photo 5: May 13, 2010 Detention Access



Site Photo 6: May 13, 2010 Detention Access

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NORTH HILLS TERRACE CONDO
MENOMONEE FALLS

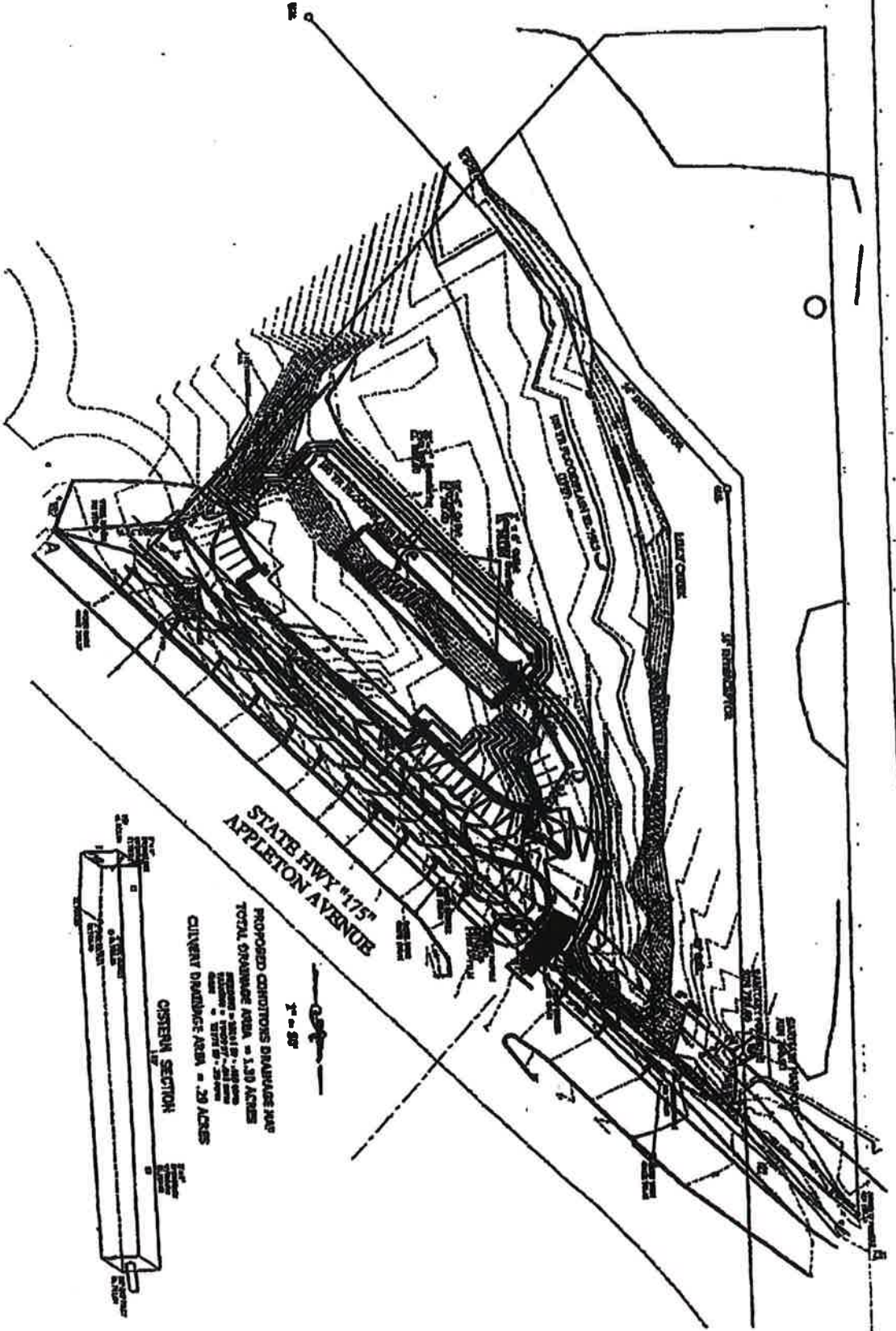




Site Photo 7: May 13, 2010 Underground Detention

SITE VISIT PHOTOGRAPHS
NORTH HILLS TERRACE CONDO
MENOMONEE FALLS





PROPOSED CONDITIONS DRAINAGE AND IRRIGATION
 TOTAL DRAINAGE AREA = 1,310 ACRES
 TOTAL IRRIGATION AREA = 1,310 ACRES
 CLIENT DRAINAGE AREA = 20 ACRES



P. 002/002

10:00:55-1489

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