



#1

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 _____ Name of Business/Subdivision Super Shop
 Property Tax ID Number _____ Address of Property NTH W14749 Appleton AV

MNF40053027002

Dry Pond	☒
Wet Pond	☐
Other	☐

Description: # 14 No. 1

Location Of Pond

along southernly R.
mid point

Year Pond Constructed 2005

Year of Last Certification _____

Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				
Opening Diameter	2"	2"	X	outfall structure
Upstream Invert	805.0	805.4	X	see sketch.
Downstream Invert				
Length				
Slope				
Secondary Outlet Pipe (If Applicable)				
Opening Diameter				
Upstream Invert				
Downstream Invert				
Length				
Slope				
Riser (If Applicable)				
Opening Diameter	8"	8"	X	intact - see sketch.
Elevation	810.25	810.24	X	
Upper Discharge Control (If Applicable)				
Opening Diameter				
Elevation				

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter	-	-			outfall structure	
Elevation	?				see sketch.	
Other (Description)						
Opening Type						
Elevation						
Emergency Spillway						
Elevation	810.				top of bank @ perimeter	
Length of spillway					grass with overflow walk	
Embankment			Present Yes No			
Unauthorized plantings, trees, or woody vegetation				X	grassy bank.	
Animal burrows or slope erosion				X		
Storage Properties	Design	Actual	Compliant Yes No		Points Surveyed	Equipment Used
Normal Water Elevation (Wet Ponds)						surveyor's transit/level.
Design High Water Elevation						
Area at Normal Water Elevation (Ac) (Wet Ponds)						
Area at Design High Water Elevation (Ac)	1850 ft	1850	X			tape
Active Storage Available (Ac-Ft)*		1.24				estimate, original intent unknown
Lowest Elevation at Top of Embankment (If Applicable)						
Average Elevation at Top of Embankment (If Applicable)	810	810	X		X	
Maximum Bottom Elevation						
Average Pond Bottom Elevation	805	805	X		X	
Pond Bottom Area (Ac)	50 ft	50	X			tape
Maximum Pond Depth	5.0	5.0	X		X	
Average Pond Depth	2.5	2.5				

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

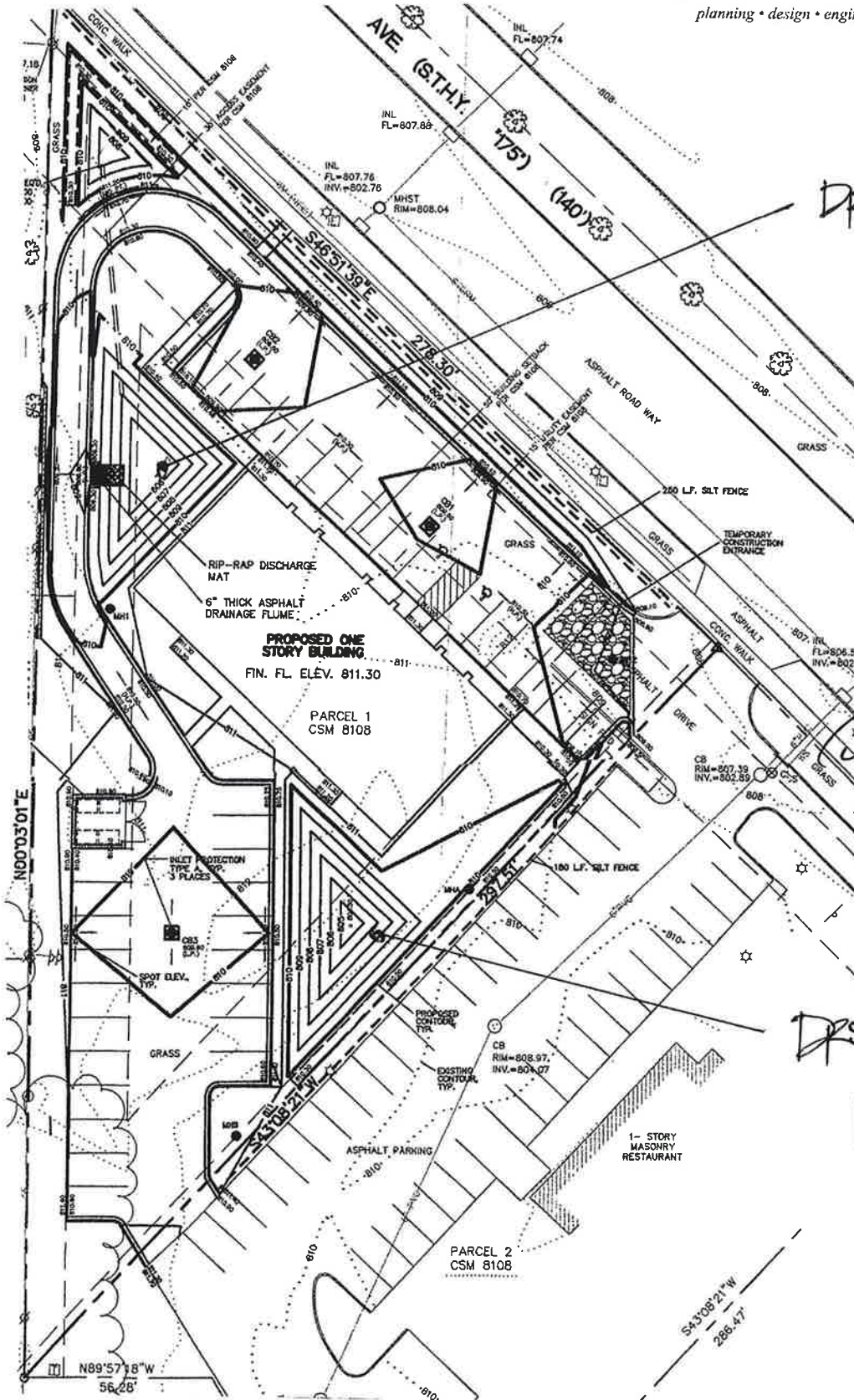
Wet Ponds Use H = Height of Section, $A1$ = area at normal water elevation, $A2$ = area at top section

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



architecture & engineering
planning • design • engineering • construction consulting

100 E Main ST #E
Watertown, WI 53094
tel 920.261.7500
fax 920.261.4228



DRY POND #2
14N002

BM. found intact
RR spike &
utility pole
811.32'

DRY POND #1
14N001



architecture & engineering
planning • design • engineering • construction consulting

100 E Main ST #E
Watertown, WI 53094
tel 920.261.7500
fax 920.261.4228

STORM SEWER DATA

CB1

RIM 809.60
8" INV NW-806.60
42" DIA. PRECAST
R-2540, TYPE A GRATE

MH1

RIM 810.30 — 810.35
12" INV NE & SE-805.84 ✓
6" INV E-806.75 — 806.19
42" DIA PRECAST
NEENAH R1510-A NON-ROCKING LID

CB2

809.60
RIM 809.60
8" INV SE & SW-806.30
42" DIA. PRECAST
R-2540, TYPE A GRATE

MH2

RIM 808.90
8" INV NE & SE-803.25
42" DIA PRECAST
NEENAH R1510-A NON-ROCKING LID

CB3

809.60
RIM 809.60 — 809.67
12" INV NW & E-805.50
42" DIA. PRECAST
R-2540, TYPE A GRATE

EXIST. CB

RIM 807.39
NEW 8" INV NW & SW-802.89

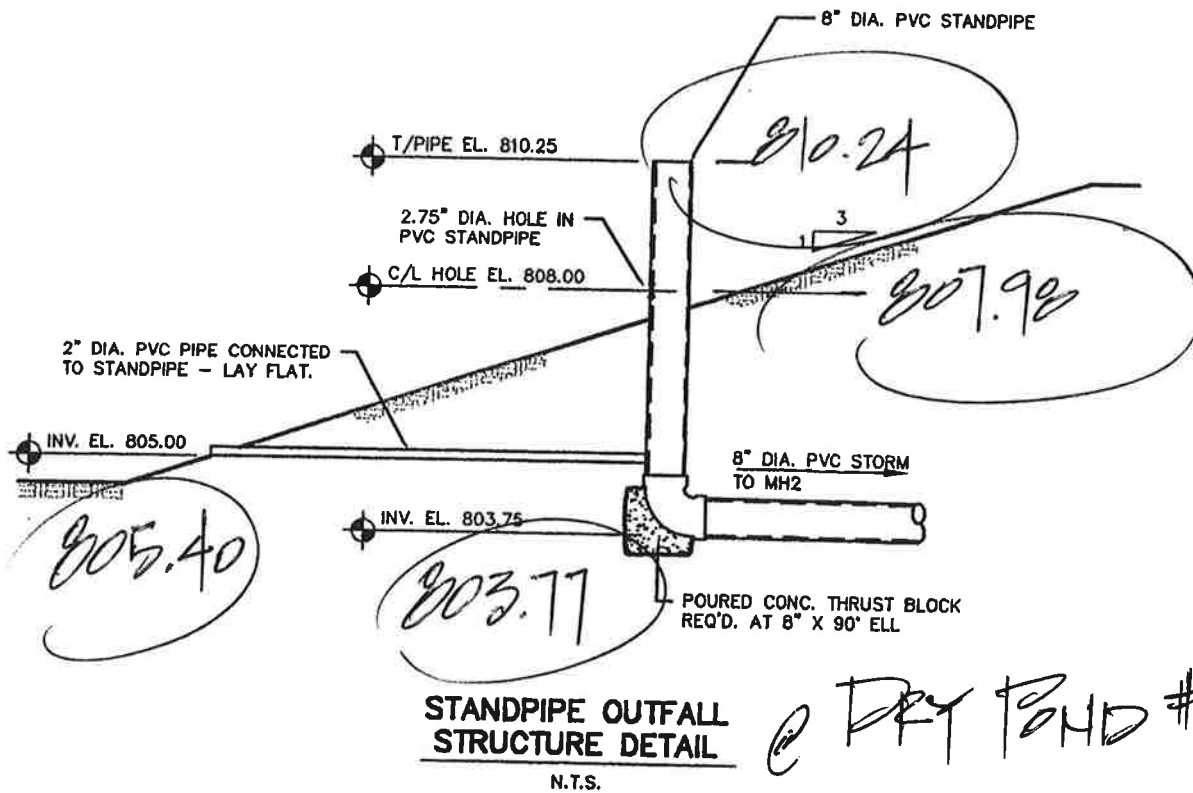
Flow Sequence.

CB1 to CB2 outfall @ Pond #2
then to MH1 to CB3 outfall @ Pond #1
then to Municipal storm via Field Measure
outfall structure to MH2 to Basin 22 Sep 10
@ street ...



jhb architecture & engineering
planning • design • engineering • construction consulting

100 E Main ST #E
Watertown, WI 53094
tel 920.261.7500
fax 920.261.4228



@ DRY POND #1
(#14N001)

Field Measure 22sep10



architecture & engineering
planning • design • engineering • construction consulting

100 E Main ST #E
Watertown, WI 53094
tel 920.261.7500
fax 920.261.4228



Dry Pond 14N001
looking South



Dry Pond 14N001
looking East

<i>Sketch Outlet</i>	<i>Place Photograph of Pond</i>
	<i>Place Photograph of Pond</i>

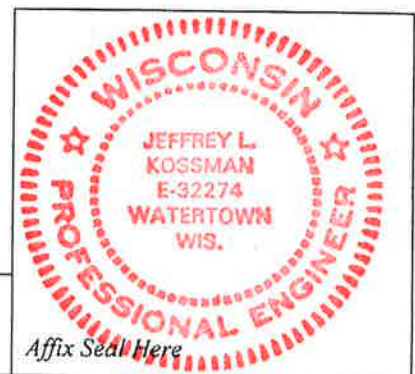
see attached -

Inspection Firm: JK architecture & engineering
Phone Number: _____
Address: 100 E Main St #E
Watertown, WI 53094

Inspector Name : Jeffrey L. Kossman
Inspection Date: 22 sep 10

Certifying Professional Name: Jeffrey L. Kossman
Phone Number: 920-261-7500

Date: 30 sep 10
Signature: Jeffrey L. Kossman



Affix Seal Here



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 _____ Name of Business/Subdivision Open Shop
 Property Tax ID Number _____ Address of Property

N79 W14749
Appleton Av
North end of
Blvd.

Dry Pond	☒
Wet Pond	☐
Other	☐

Description: 14H002

Location Of
 Pond

Year Pond Constructed 2005

Year of Last Certification -

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					
Opening Diameter	12	12	X		good condition / intact
Upstream Invert	906.0	905.99	X		
Downstream Invert	905.8	905.8	X		PMH 1.
Length		30' 4"			
Slope %	.57	.63%	OK		
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					
Elevation					

#2

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter						
Elevation						
Other (Description)						
Opening Type						
Elevation						
Emergency Spillway						
Elevation						
Length of spillway						
Embankment			Present Yes No			
Unauthorized plantings, trees, or woody vegetation				X	grassy bank	
Animal burrows or slope erosion				X		
Storage Properties	Design	Actual	Compliant Yes No		Points Surveyed	Equipment Used
Normal Water Elevation (Wet Ponds)						Surveyor's level/transit
Design High Water Elevation	809.0	809	X		X	
Area at Normal Water Elevation (Ac) (Wet Ponds)						
Area at Design High Water Elevation (Ac) <i>at</i>	1250	1250	X			tape measure.
Active Storage Available (Ac-Ft)*		2.90				estimate. original intent unknown.
Lowest Elevation at Top of Embankment (If Applicable)						
Average Elevation at Top of Embankment (If Applicable)	809	809	X		X	
Maximum Bottom Elevation						
Average Pond Bottom Elevation	806.0	805.99	X		X	
Pond Bottom Area <i>at</i> <i>(Ac)</i>	200	200	X			tape
Maximum Pond Depth	3.0	3.0	X			
Average Pond Depth	1.5	1.5	X			

*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



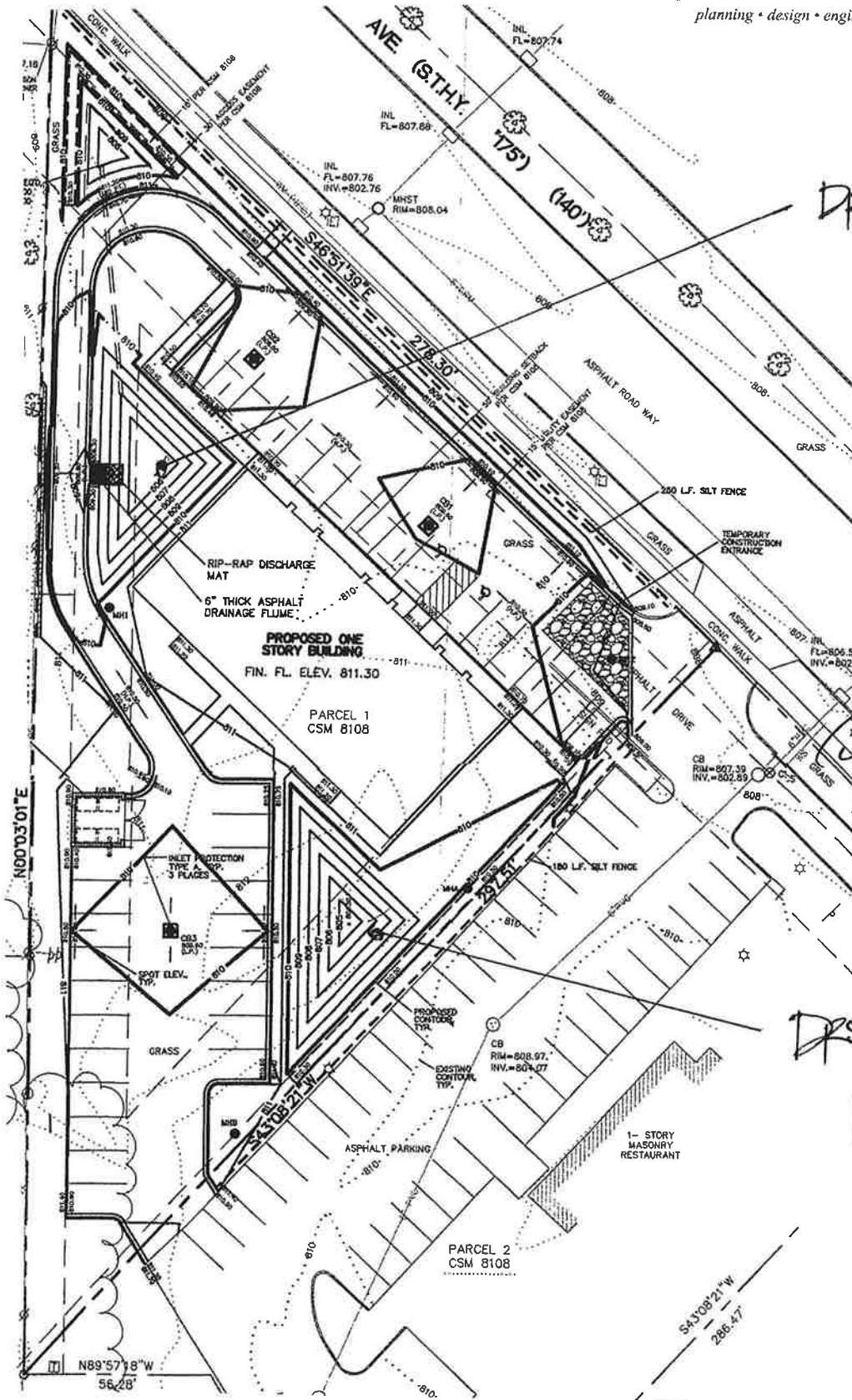
architecture & engineering
planning • design • engineering • construction consulting

100 E Main ST #E
Watertown, WI 53094
tel 920.261.7500
fax 920.261.4228

DRY POND #2
14N002

BM. found intact.
RR spike &
utility pole
811.32'

DRY POND #1
14H001



STORM SEWER DATA

CB1
 RIM 809.60
 8" INV NW-806.60
 42" DIA. PRECAST
 R-2540, TYPE A GRATE

MH1 — 810.35
 RIM 810.30
 12" INV NE & SE-805.84 ✓
 6" INV E-806.75
 42" DIA PRECAST 806.19
 NEENAH R1510-A NON-ROCKING LID

CB2
 RIM 809.60
 8" INV SE & SW-806.30
 42" DIA. PRECAST
 R-2540, TYPE A GRATE

MH2
 RIM 808.90
 8" INV NE & SE-803.25
 42" DIA PRECAST
 NEENAH R1510-A NON-ROCKING LID

CB3
 RIM 809.60
 12" INV NW & E-805.50
 42" DIA. PRECAST
 R-2540, TYPE A GRATE

EXIST. CB
 RIM 807.39
 NEW 8" INV NW & SW-802.89

Flow Sequence.

CB1 to CB2 outfall @ Pond #2
 then to MH1 to CB3 outfall @ Pond #1
 then to Municipal Storm via Field Measure
 outfall structure to MH2 to Basin 22 Sep 10
 @ street ...



jlk architecture & engineering
planning • design • engineering • construction consulting

*100 E Main ST #E
Watertown, WI 53094
tel 920.261.7500
fax 920.261.4228*



Dry Pond 14N002
looking East



Dry Pond 14N002
looking South

Sketch Outlet	Place Photograph of Pond
	Place Photograph of Pond

Inspection Firm: JK architecture & engineering Inspector Name: Jeffrey L. Kossman
Phone Number: Inspection Date: 22 sep 10
Address: 100 E Main St #E
Watertown, WI 53094

Certifying Professional Name: Jeffrey L. Kossman
Phone Number: 920-261-7500

Date: <u>30 sep 10</u>	Signature: <u>Jeffrey L. Kossman</u>
------------------------	--------------------------------------

