



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	03 SE	Name of Business/Subdivision	TID#8 – PHASE I
Property Tax ID Number	0012940001	Address of Property	ROOSEVELT DRIVE & FALLS PARKWAY

Dry Pond	
Wet Pond	X
Other	

Description: SWP03S004 P-0154	Location Of Pond	WEST OF ROOSEVELT DRIVE & FALLS PARKWAY
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Year Pond Constructed 2012 Year of Last Certification N/A

Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant Yes No		Comments (Condition of Structure)
Primary Outlet Pipe (ST011270)					Outlet Pipe Material
Opening Diameter (inches)	-	12" RCP	-	-	ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
Upstream Invert	-	806.26	-	-	
Downstream Invert	-	802.28	-	-	
Length (feet)	-	58.0 FT	-	-	
Slope (%)	N/A	6.86%	-	-	
Secondary Outlet Pipe	N/A				Outlet Pipe Material
Opening Diameter (inches)			-	-	
Upstream Invert			-	-	
Downstream Invert			-	-	
Length (feet)			-	-	
Slope (%)			-	-	
Riser	N/A				Riser Material
Opening Diameter (inches)		48" X 52" BOX	-	-	RCP OVERFLOW STRUCTURE
Elevation		809.40	-	-	TOP OF STRUCTURE
Upper Discharge Control	N/A				
Opening Diameter (inches)	-	-	-	-	
Elevation	-	-	-	-	

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(ST012363)					
Opening Diameter (inches)	-	12"	-	-	PVC IN RCP WALL	
Elevation	-	807.66	-	-		
Other (Description)	N/A					
Opening Type and Size (inches)			-	-		
Elevation			-	-		
Emergency Spillway						
Elevation	811.00	811.00	-	-		
Length of spillway (feet)	10.0 FT	8.0 FT	-	-		
Embankment	Present Yes No		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	-	N				
Animal burrows or slope erosion or hole	-	N				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1 (ST012345)	RCP – 30"		NORTH POND		GOOD CONDITION	
Outfall 2 (ST012351)	RCP – 12"		EAST POND		GOOD CONDITION	
Outfall 3						
Outfall 4						
Outfall 5						
Storage Properties	Design (NON-ASBUILT)	Actual (GPS)	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation <i>(Wet Ponds)</i>	N/A	807.66	-	-		STANTEC PROVIDED INSPECTION SERVICES
Design High Water Elevation	N/A	811.00	-	-		
Area at Normal Water Elevation (Ac) <i>(Wet Ponds)</i>	N/A	0.275 AC	-	-		
Area at Design High Water Elevation (Ac)	N/A	0.532 AC	-	-		
Active Storage Available (Ac-Ft)*	N/A	1.893 ACFT	-	-		
Lowest Elevation at Top of Embankment <i>(If Applicable)</i>	N/A	811.00	-	-		
Average Elevation at Top of Embankment <i>(If Applicable)</i>	N/A	813.30	-	-		
Maximum Bottom Elevation	N/A	802.40	-	-		
Average Pond Bottom Elevation	N/A	768.50	-	-		
Pond Bottom Area (Ac)	N/A	0.165 AC	-	-		
Maximum Pond Depth	N/A	9.0 FT	-	-		
Average Pond Depth	N/A	5.66 FT	-	-		
Average Permanent Pool Depth <i>(Wet Ponds)</i>	N/A	5.66 FT	-	-		

*To Determine Active Storage $V = \left(\left(\frac{H}{3} \right) \left(A_1 + A_2 + \left(\left(A_1 + A_2 \right)^{\left(\frac{1}{2} \right)} \right) \right) \right)$

Wet Ponds Use H = Height of Section , A_1 = area at normal water elevation, A_2 =area at top section

Dry Ponds Use H = Height of Section, A_1 = pond bottom area, A_2 =area at top section

Sketch Outlet

Place Photograph of Pond

Place Photograph of Pond

Inspection Firm: VILLAGE OF
MENOMONEE FALLS
Phone Number: 262-532-4411
Address: W156N8480 PILGRIM RD
MENOMONEE FALLS, WI
53051

Inspector Name : CHRISTOPHER M GARIEPY

Inspection Date: 07/30/2015

Certifying

Professional Name: THOMAS M. HOFFMAN, P.E.

Phone Number: (262) 532-4415

Date:

2/25/16

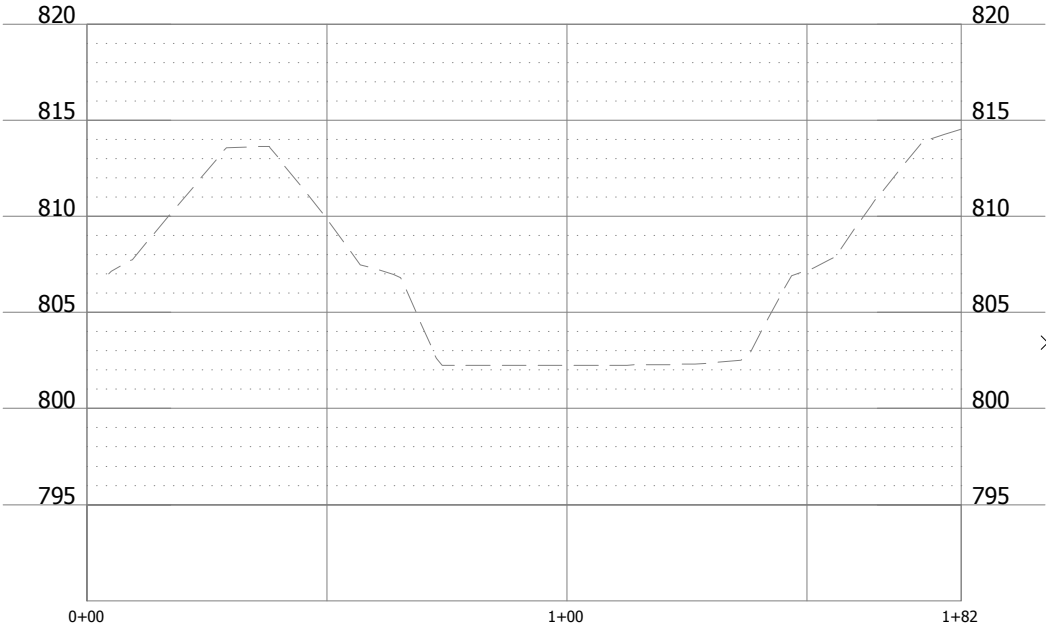
Signature:



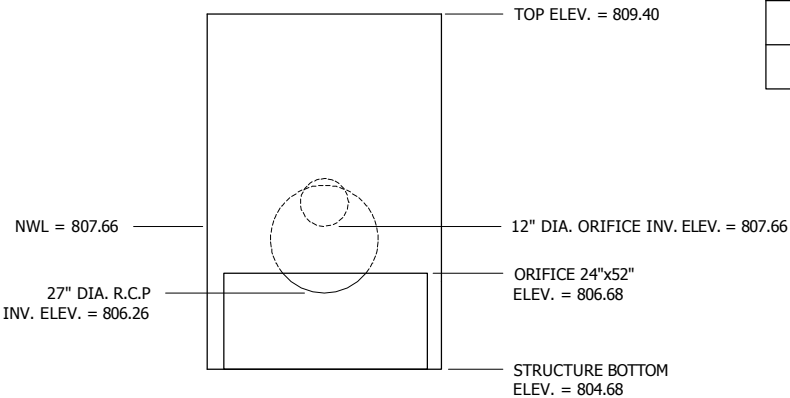


Affix Seal Here

Pond asbuilt survey 2012-11-07

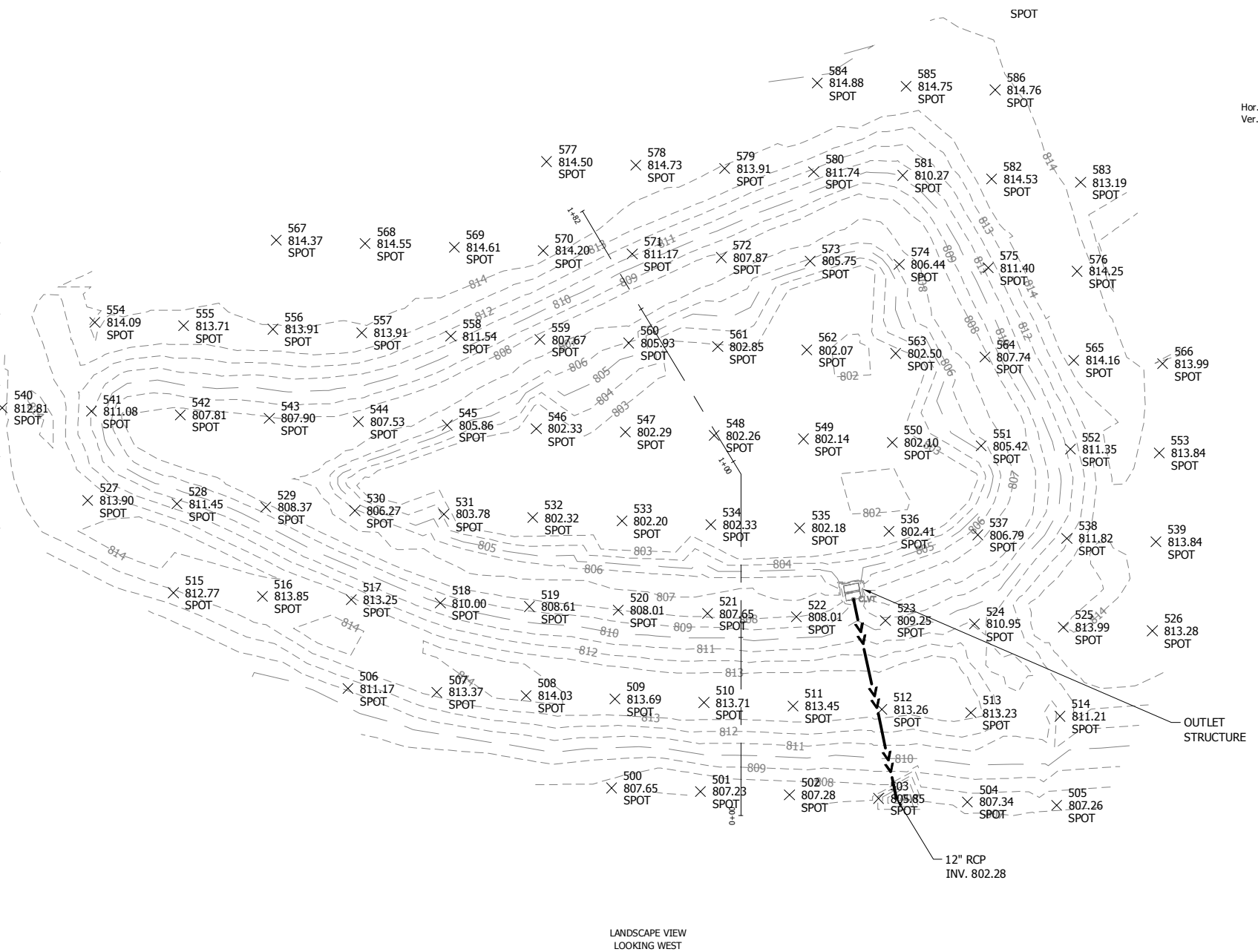


STAGE STORAGE TABLE	
ELEV	AREA (sq. ft.)
802	295
803	7,174
804	8,443
805	9,683
806	10,852
807	12,961
808	17,186
809	19,157
810	21,138
811	23,187
812	25,420



OUTLET STRUCTURE

NOT TO SCALE



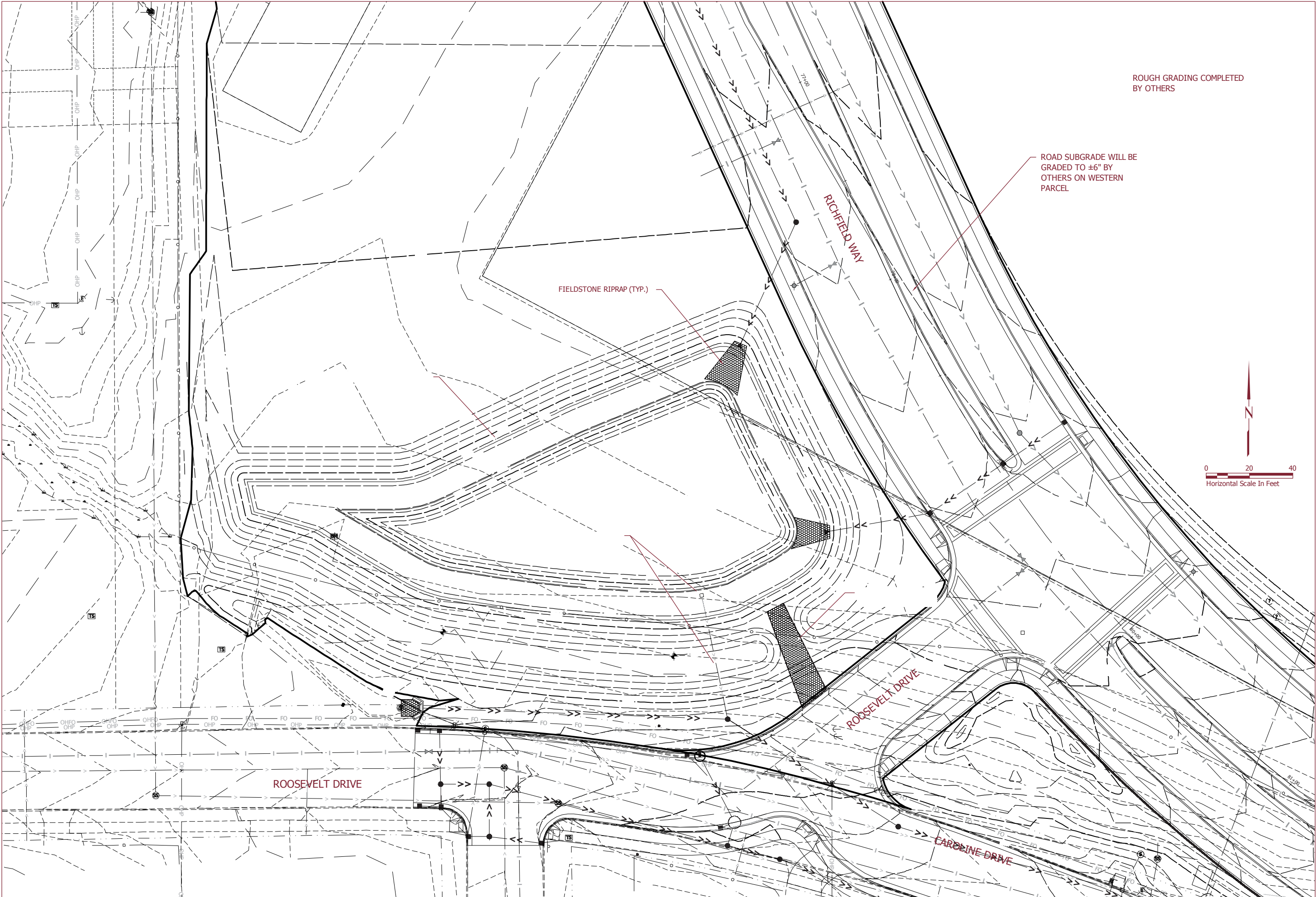
2075 N. Corporate
Parkway, Suite 200
Mequon, WI 53092
Ph: 262-241-4466
Fax: 262-241-4901

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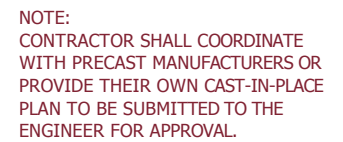
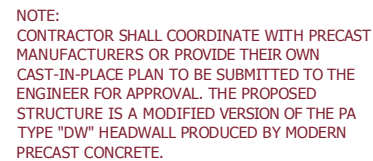
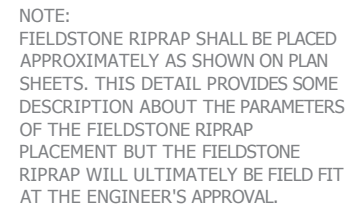
VILLAGE OF MENOMONEE FALLS
RICHFIELD WAY ROAD EXTENSION - PHASE I
POND 1A CERTIFICATION

D.	REVISION	DATE

ET NUMBER
1



	MJD
	AJR
	MAC
	MAC
	193802203



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VILLAGE OF MENOMONEE FALLS

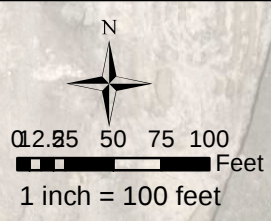
RICHLIFF WAY ROAD EXTENSION - PHASE I

CONSTRUCTION DETAILS

REVISION	DATE
	2/21/13
RYEY	MJD
AWN	AJR
SIGNED	MAC
PROVED	MAC
QJ. NO.	193802203

SHEET NUMBER
C8.04

v:\1938\active\193802203\CAD\Dwg\Phase 1\193802203C804.dwg 2/27/2013 11:40:38 AM



Roosevelt Pond

SWP03S004

ROOSEVELT DR

CHARLES DR

FALLS PKWY

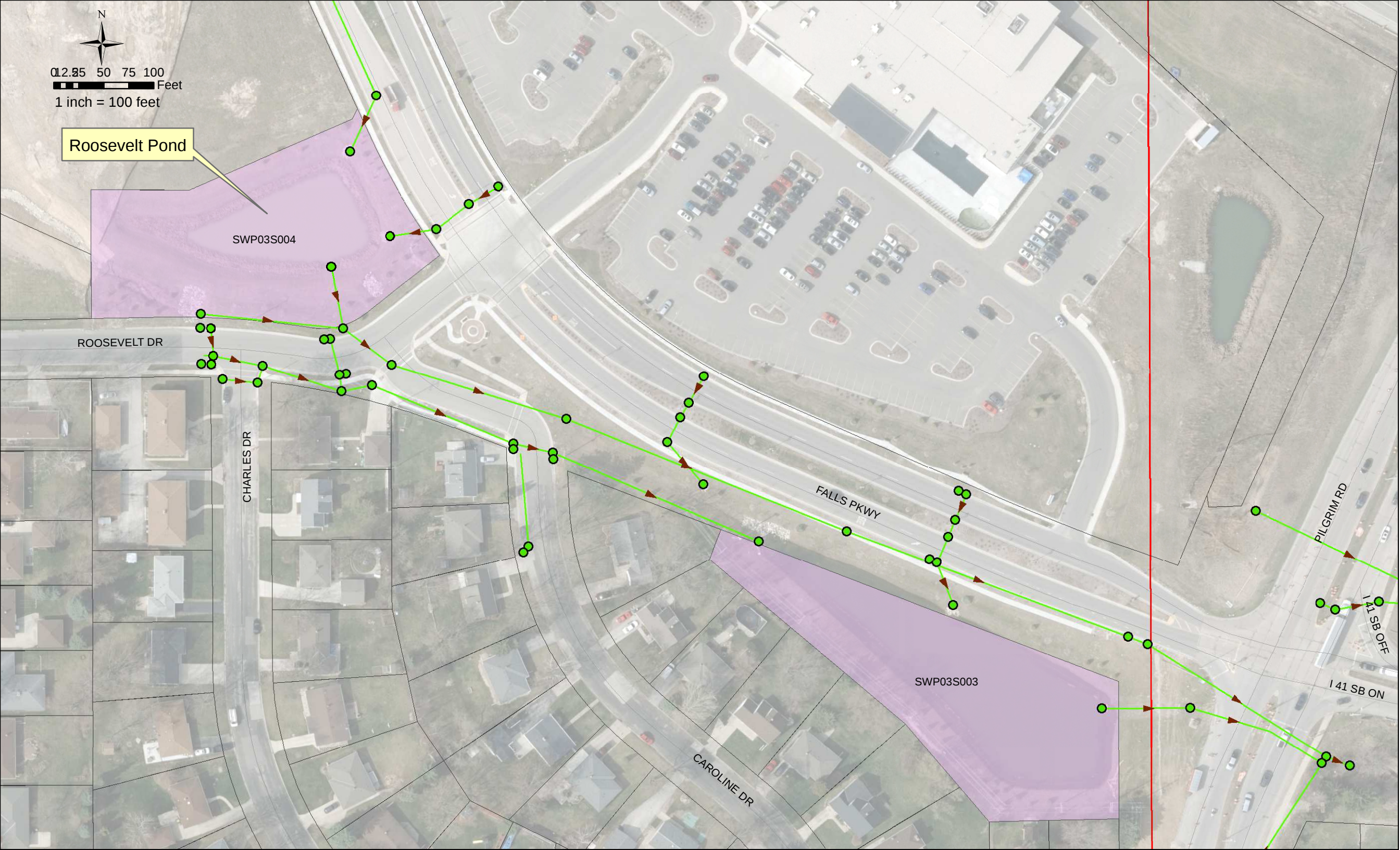
SWP03S003

CAROLINE DR

PILGRIM RD

I 41 SB OFF

I 41 SB ON



$$H = H_1 - H_2 = 811.00 - 807.66 = 3.34'$$

$$A_1 = 12,000 \text{ SF} = 0.275 \text{ AC}$$

$$A_2 = 23,187 \text{ SF} = 0.532 \text{ AC}$$

201035006

201

Rossvelt Dr. Tunnel

$$V = \left(\frac{H}{3} \right) (A_1 + A_2 + \sqrt{A_1 A_2})$$

$$V = \left(\frac{3.34}{3} \right) (0.275 \text{ AC} + 0.532 \text{ AC} + \sqrt{0.275 \text{ AC} \cdot 0.532 \text{ AC}})$$

$$V = (1.11') (0.807 \text{ AC} + \sqrt{0.807 \text{ AC}})$$

$$V = (1.11') (0.807 \text{ AC} + 0.898 \text{ AC})$$

$$V = (1.11') (1.705 \text{ AC})$$

$$V = \underline{1.893 \text{ AC FT}} \quad \begin{matrix} 2/15/16 \\ \text{CRG} \end{matrix}$$