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 NW1/4
Property Tax ID Number 0002986
Date 11/13/19

Name of Business/Subdivision US Foods
Address of Property W137 N9245 Hwy 145

Dry Pond	
Wet Pond	X
Other	

Pond ID: SWP 01N009

Location of Pond: West Basin

Year Pond Constructed: 2018-2019

Year of Last Certification: NA

Compliance Verification	Design	Actual	Compliant Yes	Compliant No	Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	12	12	X		HDPE – Good Shape
Upstream Invert	764.00	763.86	X		
Downstream Invert	763.00	762.88	X		
Length (feet)	21.0	25.44	X		
Slope (%)	4.76%	3.85%	X		
Secondary Outlet Pipe	(If Applicable)				Outlet Pipe Material
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser	(If Applicable)				Riser Material
Opening Diameter (inches)	24	30			Precast Manhole w/ precast cover; cover in opening has trash rack – good shape
Elevation	766.00	765.82	X		
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)	See riser				
Elevation					

Compliance Verification	Design	Actual	Compliant Yes	Compliant No	Comments
Lower Discharge Control	(If Applicable)				
Opening Diameter (inches)	2.3	2.5	X		3" PVC pipe insert
Elevation	764.00	764.02	X		
Other (Description)					
Opening Type and Size (inches)					
Elevation					
Emergency Spillway					
Elevation	766.50	765.84			Good shape
Length of spillway (feet)	21	20.89	X		

Embankment	Present Yes	Present no	Comments/Maintenance Requirements
Unauthorized Plantings, trees, or woody vegetation		X	Embankment in good shape
Animal burrows or slope erosion		x	

Storm Sewer Outfalls	Type & Size	Location	Comments
Outfall 1			
Outfall 2			
Outfall 3			

Storage Properties	Design	Actual	Compliant Yes	Compliant No	Not Applicable	Equipment Used
Normal Water Elevation *(Wet Ponds)*	764.00	764.02	X			
Design High Water Elevation	766.31	766.20	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.23	0.24	X			
Area at Design High Water Elevation (Ac)	0.35	0.32	X			
Active Storage Available (Ac-Ft)*	0.62	0.58	X			
Lowest Elevation at Top of Embankment (If Applicable)	767.00	766.36				
Average Elevation at Top of Embankment (If Applicable)	>767	766.75				
Maximum Bottom Elevation	760.00	760.08	x			
Average Pond Bottom Elevation	760.00	759.86	x			
Pond Bottom Area (Ac)	0.07	0.04	X			
Maximum Pond Depth	6.31	6.12				
Average Pond Depth	4.00	4.14	X			
Average Permanent Pool Depth *(Wet Ponds)*	4.00	4.14	x			

*To Determine Active Storage V=H/3(A1+A2+(A1xA2)1/2)

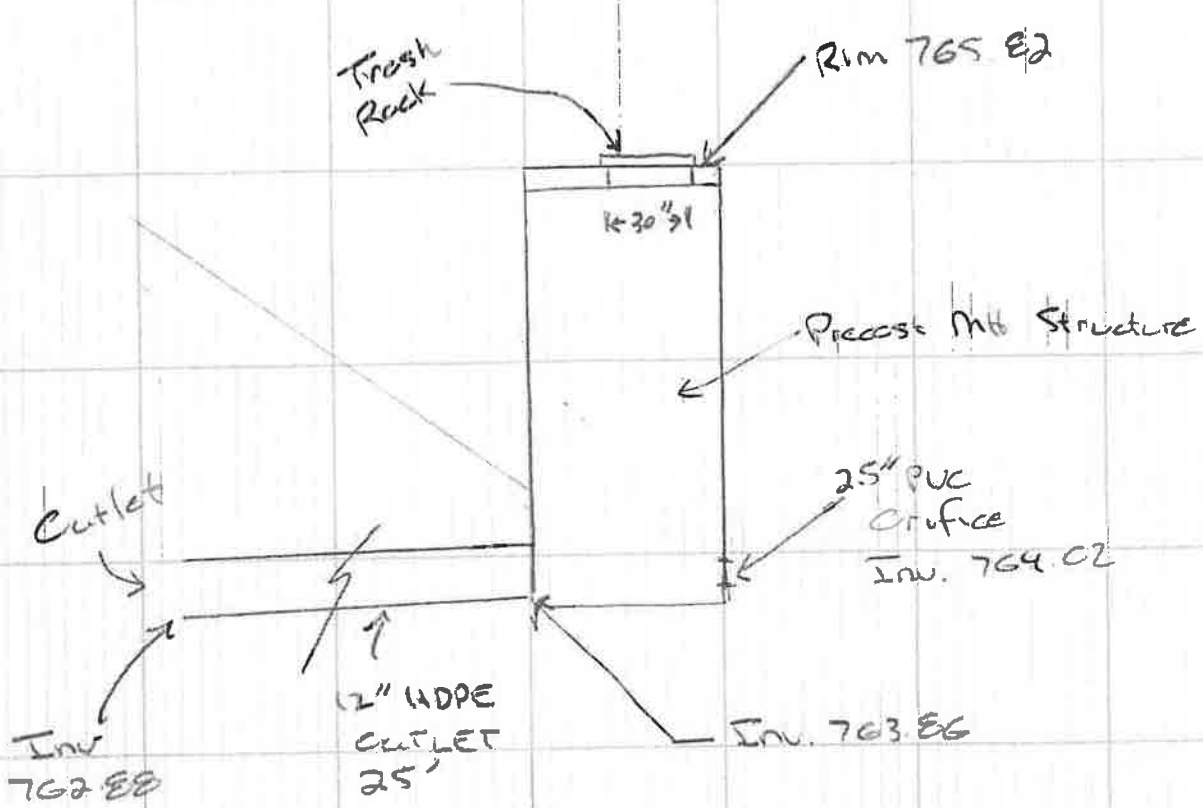
Wet Ponds Use *H = Height of Section , A1= area at normal water elevation, A2=area at top section*

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

THE SIGMA GROUP — Single Source. Sound Solutions.	Made by JBL	Date	Project No.
	Checked by	Date	Sheet No.

For US Foods Outlet Structure Cs-3.1t Sketches

West Basin Outlet Control - NTS



Northwest Basin Outlet Control - NTS

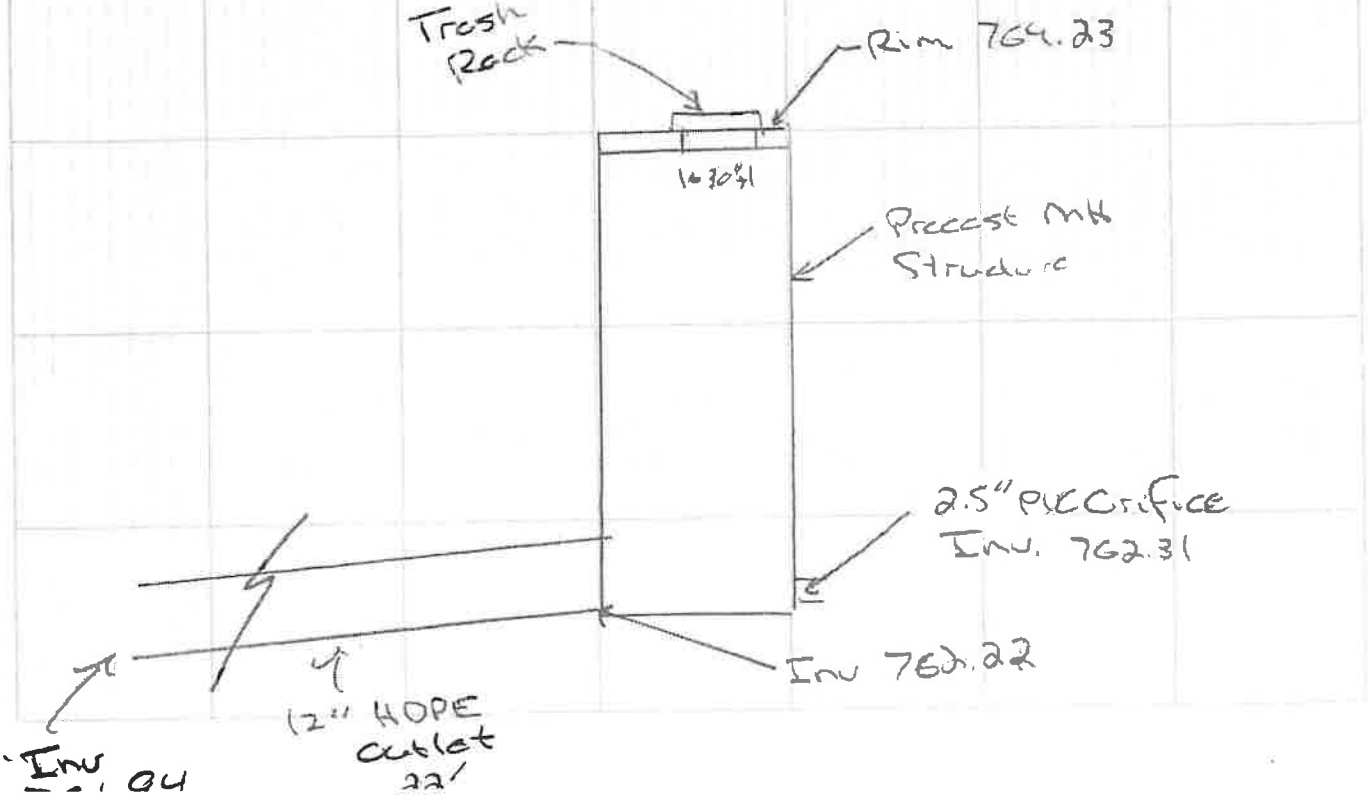


Photo Page 1

Photo 1: Looking northeast across northwest storm basin

Photo 2: Looking north across west side of NW storm basin.

Photo Page 2

Photo 3: NW storm basin outlet control structure

Photo 4: NW storm basin emergency spillway

Photo Page 3

Photo 5: Looking west across NW storm basin

Photo 6: Looking north across west storm basin

Photo Page 4

Photo 7: West basin outlet control structure

Photo 8: West basin emergency spillway

Photo Page 5

Photo 9: Replaced orifice in west basin outlet control structure. Photo taken 1/3/20.

Photo 10: Replaced orifice in NW basin outlet control structure. Photo taken 1/3/20.

Sketch Outlet or Attach to Document	Place Photograph of Pond or Attach to Document
See attached	See attached
	Place Photograph of Pond or Attach to Document

Attach As-built Survey to the Document for the first report submission

Inspection Firm: The Sigma Group, Inc.
Phone Number: 414-643-4200
Address: 1300 W. Canal Street
Milwaukee, WI 53233

Inspector Name : James B. Leedom, P.E.
Inspection Date: 11/13/19

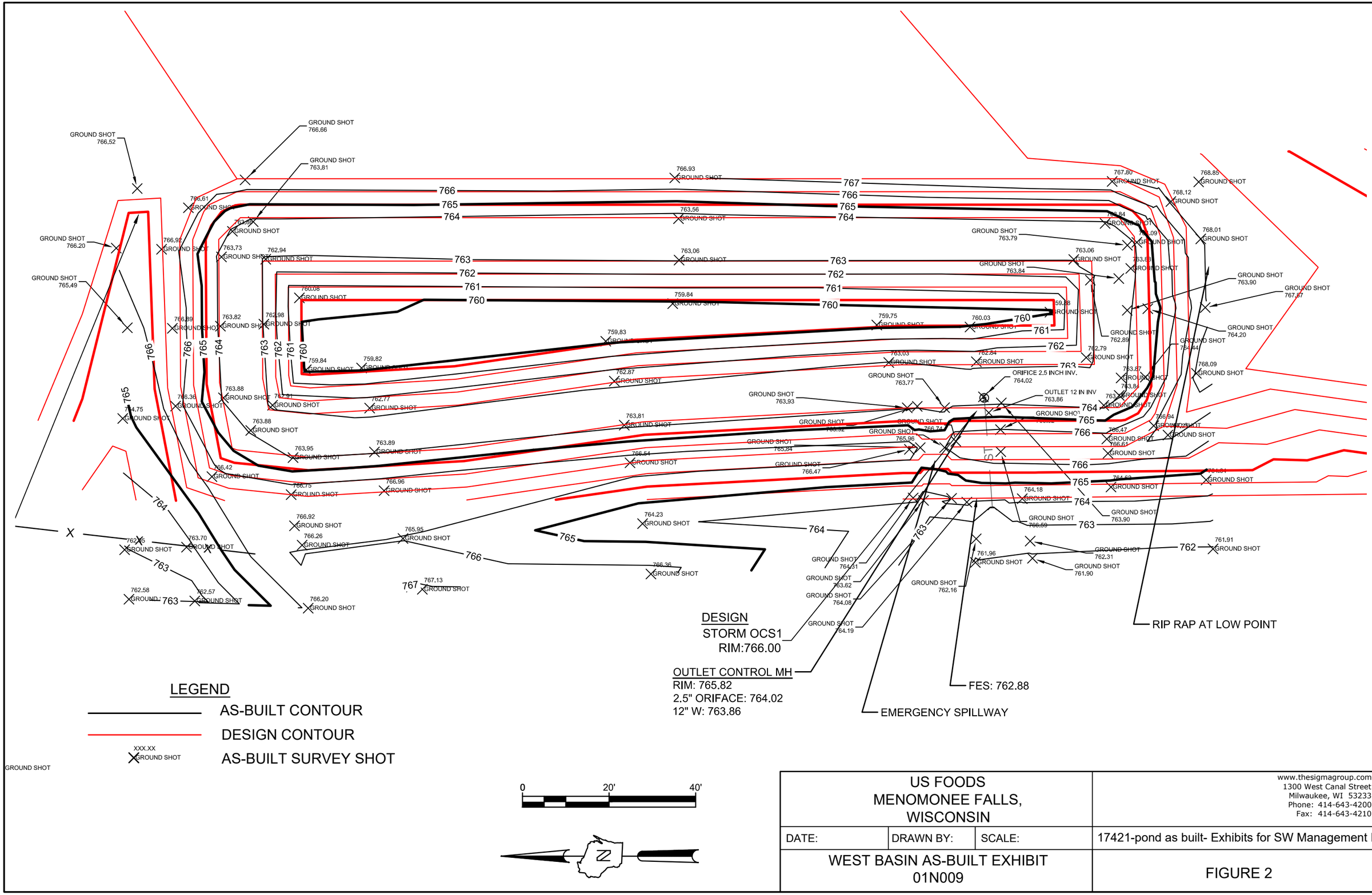
Certifying Professional Name: *James B. Leedom, P.E.*
Phone Number: *414-643-4200*

WISCONSIN
JAMES B. LEEDOM
E-28041
MILWAUKEE, WI
PROFESSIONAL ENGINEER

Affix Seal Here

Date:	Signature:
1/6/20	

10-3-2012



US FOODS MENOMONEE FALLS, WISCONSIN			www.thesigmagroup.com 1300 West Canal Street Milwaukee, WI 53233 Phone: 414-643-4200 Fax: 414-643-4210
DATE:	DRAWN BY:	SCALE:	17421-pond as built- Exhibits for SW Management Rep
WEST BASIN AS-BUILT EXHIBIT 01N009			FIGURE 2