

Outagamie County Recycling & Solid Waste Department License #4804

**Table 1
Groundwater Monitoring**

Well ID	DNR Point ID	WUWN	Unit Screened Within	Sampling and Reporting Frequency ¹	Sampling and Reporting Responsibilities	Parameter List
Group A Wells:						
P-112C	280	VR340	C	Semiannually (May and November)	Contractor	00010 Field Temperature (°C)
P-416B	283	VR335	B			00094 Field Specific Conductance @ 25°C (umho/cm)
P-416C	284	VR336	C			00400 Field pH (standard units)
P-503CR	285	VR324	C			00608 Nitrogen, Ammonia, Dissolved (mg/L)
P-1019C	292	VR327	C			00940 Chloride, Total or Dissolved (mg/L)
P-1024B	300	VR321	B			04189 Groundwater Elevation (ft MSL) ²
P-1024C	301	VR322	C			22413 Total Hardness, Filtered
P-1026C	307	VR339	C			39036 Total Alkalinity, Filtered
P-1027C	310	VR343	C			Note sample odor (00001), color (00002), and turbidity (00003), if present
P-1029B	316	PM392	B			Annually (May)
P-1029C	317	PM393	C			
P-1030C	319	PM395	C			
Subtitle D Wells:						
P-1019B	291	VR326	B	Semiannually (May and November)	Contractor	00010 Field Temperature (°C)
P-1026B	305	VR338	B			00094 Field Specific Conductance @ 25°C (umho/cm)
P-1027B	309	VR342	B			00400 Field pH (standard units)
P-1030B	318	PM394	B			00608 Nitrogen, Ammonia, Dissolved (mg/L)
						00940 Chloride, Total or Dissolved (mg/L)
				04189 Groundwater Elevation (ft MSL)		
				22413 Total Hardness, Filtered		
				39036 Total Alkalinity, Filtered		
				Note sample odor (00001), color (00002), and turbidity (00003), if present		
				VOCs (ch. NR 507, Appendix III, including acetone, carbon disulfide, methyl ethyl ketone and tetrahydrofuran)		
Group B Wells:						
OW-416AR	282	VR334	A	Semiannually (May and November)	Contractor	04189 Groundwater Elevation (ft MSL)
OW-1016A	287	VR344	A			Note sample odor (00001), color (00002), and turbidity (00003), if present
OW-1017A	288	VR345	A			
OW-1018A	289	VR346	A			
OW-1019A	290	VR325	A			
OW-1020A	293	VR348	A			
OW-1021A	294	VR349	A			
OW-1022A	295	VR347	A			
OW-1024A	299	VR320	A			
OW-1026A	306	VR337	A			
OW-1027A	308	VR341	A	Annually (May)	Contractor	00094 Field Specific Conductance @ 25°C (umho/cm)
OW-1028AR	320	JV238	A			Note sample odor (00001), color (00002), and turbidity (00003), if present
OW-1029A	315	PM391	A			

Notes:

¹ Data shall be submitted within 60 day after the end of the sampling period, in accordance with s. NR 507.26(3), Wis. Adm. Code, unless otherwise specified.

² Water level measurements from all Unit C wells must be collected within 24 hours.

Prepared by: GGR
Checked by: RJM7

Outagamie County Recycling & Solid Waste Department License #4804

Table 2

Groundwater Monitoring - Private Water Supply Wells

Well ID	DNR Point ID	WUWN	Sampling and Reporting Frequency ^{1,2}	Sampling and Reporting Responsibilities	Parameter List
Private Water Supply Wells:					
PW-005 ³	049	BV743	Annually (May)	Contractor	00010 Field Temperature (°C)
PW-006 ³	056	BV750			00094 Field Specific Conductance @ 25°C (umho/cm)
PW-007 ³	048	BV742			00400 Field ph (standard units)
PW-008 ³	052	BV746			00410 Total Alkalinity (mg/L)
PW-033	510	VC035			00940 Chloride, Total or Dissolved (mg/L)
					00680 Total Organic Carbon (mg/L)
					00900 Total Hardness (mg/L)
					00945 Sulfate, Total (mg/L)
					Note sample odor (00001), color (00002), and turbidity (00003), if present
					VOC (ch. NR 507, Appendix III, including acetone, carbon disulfide, methyl ethyl ketone and tetrahydrofuran)

Notes:

¹ Data shall be submitted within 60 day after the end of the sampling period, in accordance with s. NR 507.26(3), Wis. Adm. Code, unless otherwise specified.

² Data shall be submitted within 10 days following the receipt of sampling results, in accordance with s. NR 507.26(2), Wis. Adm. Code.

³ Monitoring location shared with the East and West Landfills (Lic. #2484).

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**Table 3
Leachate Quantity, Quality, and Head Monitoring**

Monitoring Location	Sampling and Reporting Frequency ¹	Sampling and Reporting Responsibilities	Parameter List
Leachate Pump Buildings: PB-101 PB-102 PB-103 PB-104 PB-105	Monthly <i>(Report semiannually to WDNR with data for May and November)</i>	Contractor	00032 Leachate, volume pumped (x1000 gal) ⁴ 00056 Continuous flow (gpd) 00400 pH, Field (Standard Units) 00310 Biochemical Oxygen Demand (mg/L, 5 Day @ 20°C) 00150 Total Suspended Solids (mg/L) 00665 Phosphorus, Total 00625 Nitrogen, Kjeldahl, Total (mg/L)
	Semiannually ² (May and November)	Contractor	00094 Specific Conductance, Field (umho/cm @ 25°C) 00310 Biochemical Oxygen Demand (mg/L, 5-Day @ 20°C) 00340 Chemical Oxygen Demand, Unfiltered (mg/L) 00400 pH, Field (Standard Units) 00410 Alkalinity, Total (mg/L) 00610 Nitrogen, Ammonia Total (mg/L) 00900 Hardness, Total (mg/L) Note sample odor (00001), color (00002), and turbidity (00003), if present
	Semiannually (May and November)	Contractor	00150 Total Suspended Solids (mg/L) 00625 Nitrogen, Kjeldahl, Total (mg/L) 00929 Sodium, Total (mg/L) 00940 Chloride, Total (mg/L) 00945 Sulfate, Total (mg/L) 00951 Fluoride, Total (mg/L) 01022 Boron, Total (ug/l) 01027 Cadmium, Total (ug/L) 01051 Lead, Total (ug/L) 01055 Manganese, Total (ug/L) 01147 Selenium, Total (ug/L) 71900 Mercury, Total (mg/L) 74010 Iron, Total (mg/L) 01034 Chromium, Total (mg/L) 01042 Copper, Total (mg/L) 00720 Cyanide, Total (mg/L) 01067 Nickel, Total (mg/L) 01092 Zinc, Total (mg/L) Note sample odor (00001), color (00002), and turbidity (00003), if present VOCs (ch. NR 507, Appendix III, including acetone, carbon disulfide, methyl ethyl ketone and tetrahydrofuran)
	Annually (May)	Contractor	SVOCs (ch. NR 507, Appendix IV substances)
Leachate Head Monitoring Wells: LH-100A LH-100B LH-200A LH-200B LH-300A LH-300B LH-400A LH-400B LH-500A LH-500B	Quarterly (February, May, August, and November) ³ <i>(Report semiannually with data for May and November)</i>	Contractor	00023 Leachate Head Elevation (ft MSL) 00031 Liquid Depth (ft above liner or thickness in ft)
Leak Detection Manholes: LD-100 LD-101 LD-102 LD-103 LD-104 LD-105	Quarterly (February, May, August, and November) <i>(Report semiannually with data for May and November)</i>	Contractor	00031 Liquid Depth (ft above liner or thickness in ft)
Leachate Storage Tank Interstitial Space: LT-1 LT-2	Quarterly (February, May, August, and November) <i>(Report semiannually with data for May and November)</i>	Contractor	00031 Liquid Depth (ft above liner or thickness in ft)

Notes:

Red text indicates points/parameters/methods for additional local requirements.

Monthly precipitation records can be obtained from on-site instrumentation or the nearest national weather system station in accordance with s. NR 507.215(1), Wis. Adm. Code.

¹Data shall be submitted within 60 day after the end of the sampling period, in accordance with s. NR 507.26(3), Wis. Adm. Code, unless otherwise specified.

²Quarterly sampling is required (January, April, July, and October) if operating under RD&D approval or leachate recirculation is being performed.

³Monthly measurements are required if operating under an RD&D approval or leachate recirculation is being performed.

⁴Record leachate recirculation volumes (99723 - Leachate, volume recirculated (x1000 gal)) - not in WDNR tables

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Outagamie County Recycling & Solid Waste Department Licence #4804

**Table 4B
Landfill Gas Monitoring**

Monitoring Location	DNR Point ID ²	Sampling and Reporting Frequency ¹	Sampling and Reporting Responsibilities	Parameter List
Site Conditions		Quarterly (February, May, August, November)	Contractor	00007 Ground Conditions 00021 Ambient Air Temperature (°F) 00025 Barometric Pressure (mm of Hg) 46381 Trend in Barometric Pressure
Blower/Flare Blower (Candlestick Flare) (CF-1) Blower (Enclosed Flare)(EF-1) ²	776 777	Monthly (monitor both points only if both are operating) (Report semiannually with data for May and November)	Contractor	46382 Header Pressure (in. of water) 85547 Percent Methane 85550 Percent Oxygen 99098 Gas Flow Rate (CFM)
Blower Blower (Enclosed Flare)(EF-1) ²	777	Annually (May)	Contractor	VOCs (using EPA Method TO-14 or TO-15) 99243 Total Reduced Sulfur (using EPA Method 16, ASTM D5504, or ASTM D6228) Analytical sample for methane ³
		Quarterly ⁴ (February, May, August, November)	Contractor	99243 Total Reduced Sulfur (using EPA Method 16, ASTM D5504, or ASTM D6228)
Gas Probes GP-100 GP-101 GP-102 GP-103	802 803 804 805	Quarterly (February, May, August, November)	Contractor	00007 Ground Conditions 00021 Ambient Air Temperature, Air (°F) 00025 Barometric Pressure (mm Hg) 46381 Trend in Barometric Pressure 85547 Percent Methane 85550 Percent Oxygen
Surface Emission Monitoring: Quarterly monitoring		Quarterly (January, May, August, and November)	OCRSWD EC	

Notes:

¹ Data shall be submitted within 60 day after the end of the sampling period, in accordance with s. NR 507.26(3), Wis. Adm. Code, unless otherwise specified.

² Monitoring location shared with the East and West Landfills (Lic. 2482) and Northeast Landfill (Lic. #3235).

³ Three samples are required per the GHG reporting rule.

⁴ If an exceedance is noted, sampling needs to occur monthly for three months until no exceedance is noted.

OCRSWD EC = Outagamie County Recycling & Solid Waste Department Engineering Consultant

Prepared by: GGR

Checked by: RJM7

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**Table 5
Other Monitoring**

Monitoring Location	DNR Point ID	Sampling and Reporting Frequency¹	Sampling and Reporting Responsibilities	Parameters
Surface Settlement Monitoring² SS-100 SS-101 SS-102 SS-103 SS-104	610 611 612 613 614	Annually for 3 years then every 5 years following final capping	OCRSWD (sampling) OCRSWD EC (reporting)	99422 Land Surface Elevation (ft MSL)
Surface Water Monitoring SB-1 ³ SB-3	651 653	Quarterly (During Discharge Event-Submit With Groundwater Monitoring Results)	Contractor	00003 Turbidity 00010 Field Temperature (°C) 00094 Field Specific Conductance @ 25°C 00150 Total Suspended Solids 00310 Biochemical Oxygen Demand (mg/L, 5 Day @ 20C) 00400 Field pH (standard units) 00410 Total Alkalinity, Unfiltered (mg/L) 00900 Total Hardness, Unfiltered (mg/L) 00940 Chloride, Total or Dissolved Note sample odor (00001), color (00002) if present
Temporary Groundwater Seepage Extraction Sumps⁴ S-1 S-2 S-3 S-4	991 992 993 994	Start up and Semiannually (May and November)	Contractor	00010 Temperature, Water (°C) 00094 Field Specific Conductance @ 25°C (umho/cm) 00400 Field pH (standard units) 00940 Chloride, Total or Dissolved (mg/L) 22413 Total hardness, Filtered 39036 Total alkalinity, Filtered Note sample odor (00001), color (00002), and turbidity (00003), if present
		Start up and Annually (May)	Contractor	VOCs (ch. NR 507, Appendix III, including acetone, carbon disulfide, methyl ethyl ketone and tetrahydrofuran)
		Monthly during operation <i>(Report semiannually with data for May and November)</i>	Contractor	50052 Groundwater Volume Pumped (1000 Gals)

Notes:

¹ Data shall be submitted within 60 day after the end of the sampling period, in accordance with s. NR 507.26(3), Wis. Adm. Code, unless otherwise specified.

² Exact monitoring locations to be determined at a future time once final cap is completed.

³ Monitoring location shared with East and West Landfills (Lic. No. 2484)

⁴ Required only during operation of the groundwater seepage control system.

OCRSWD EC = Outagamie County Recycling & Solid Waste Department Engineering Consultant

Prepared by: GGR

Checked by: RJM7

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**Table 6
Method, Limit of Detection, Bottle, and Preservation Requirements for Aqueous Matrices**

Analyte	EPA Method Number	LOD ¹ (mg/L)	Bottle Requirement ²	Preservative
Conventional Parameters				
Field color	SOP B-3	--	None	None – field measurement
Field conductivity (at 25°C)	SOP B-3	--	None	None – field measurement
Field odor	SOP B-3	--	None	None – field measurement
Field pH	SOP B-3	--	None	None – field measurement
Field redox potential	SOP B-3	--	None	None – field measurement
Field turbidity	SOP B-3	--	None	None – field measurement
Field groundwater temperature	SOP B-3	--	None	None – field measurement
Depth to well bottom	SOP B-1	--	None	None – field measurement
Groundwater elevation	SOP B-1	--	None	None – field measurement
Leachate, volume pumped	SOP B-8		None	None – field measurement
Total alkalinity, filtered and unfiltered	310.2	7.045	250 mL plastic or glass	< 6°C
Ammonia-nitrogen, total and dissolved	350.1	0.25	250 mL plastic or glass	H ₂ SO ₄ to pH < 2, < 6°C
BOD (5-day)	SM5210	2	1 L plastic	< 6°C
Chloride	300.0	0.5	250 mL plastic or glass	< 6°C
COD, unfiltered	410.4	13.5	250 mL plastic or glass	H ₂ SO ₄ to pH < 2, < 6°C
DOC	SM5310	0.2521	125 mL glass	H ₂ SO ₄ to pH < 2, < 6°C
Total hardness, unfiltered, and filtered	6010	0.15	250 mL plastic or glass	HNO ₃ to pH < 2, < 6°C
Total Kjeldahl Nitrogen	351.2	0.219	250 mL plastic or glass	H ₂ SO ₄ to pH < 2, < 6°C
TOC	SM5310	0.2521	125 mL glass	H ₂ SO ₄ to pH < 2, < 6°C
Nitrate + nitrite as N, total and dissolved	353.2	0.0951	250 mL plastic or glass	H ₂ SO ₄ to pH < 2, < 6°C
Sulfate, total and dissolved	300.0	1	250 mL plastic or glass	< 6°C
Total and Dissolved Metals				
Boron	6010	0.0096	250 mL plastic or glass	HNO ₃ to pH < 2, < 6°C
Cadmium	6020	0.0002	250 mL plastic or glass	HNO ₃ to pH < 2, < 6°C
Fluoride	300.0	0.1000	252 mL plastic or glass	< 6°C
Iron	6020	0.1106	253 mL plastic or glass	HNO ₃ to pH < 2, < 6°C
Lead	6020	0.0002	254 mL plastic or glass	HNO ₃ to pH < 2, < 6°C
Manganese	6020	0.0027	255 mL plastic or glass	HNO ₃ to pH < 2, < 6°C
Mercury	7470	0.0001	256 mL plastic or glass	HNO ₃ to pH < 2, < 6°C
Selenium	6020	0.0003	250 mL plastic or glass	HNO ₃ to pH < 2, < 6°C
Sodium	6010	0.3225	250 mL plastic or glass	HNO ₃ to pH < 2, < 6°C
VOCs				
VOC analytes in groundwater monitoring wells and leachate	5030B/8260B	See Table 1	3 × 40 mL glass volatile vials	HCl to pH < 2
VOC analytes in private wells	8260B	See Table 2	3 × 40 mL glass volatile vials	Na ₂ S ₂ O ₃
SVOCs				
SVOC analytes in leachate	8270C	See Table 3	2 × 1 L glass	< 6°C

Notes:

¹ LODs are periodically updated by the laboratory. Those in use at the time of analysis will be reported. LODs and LOQs should be below the NR 141 PAL whenever possible.

² All bottle lids shall be Teflon lined. Sample bottles with similar container type and preservation may be combined.

³ Method 504 should be used to analyze groundwater samples collected from private wells for 1,2-dibromomethane and 1,2-dibromo-3-chloropropane.

< = less than

°C = degree(s) Celsius

BOD = biochemical oxygen demand

COD = chemical oxygen demand

DOC = dissolved organic carbon

EPA = U.S. Environmental Protection Agency

FOP = field operating procedure

H₂SO₄ = sulfuric acid

HCl = hydrochloric acid

HNO₃ = nitric acid

L = liter(s)

LOD = limit of detection

mg/L = milligram(s) per liter

mL = milliliter(s)

Na₂S₂O₃ = sodium thiosulfate

NaOH = sodium hydroxide

PAL = preventive action limit

pH = hydrogen (ion) concentration

SVOC = semivolatile organic compound

TOC = total organic carbon

TSS = total suspended solids

VOC = volatile organic compound

Prepared by: JEF1

Checked by: RJM7

Outagamie County Recycling & Solid Waste Department License #4804

**Table 7
Quality Control Samples and Collection Frequency**

QC Sample	Collection Frequency			
	Pour Samples ¹	Field Blanks ²	Field Duplicate	Trip Blanks ³
Monitoring Point Type	<i>Sample bottles are filled with lab reagent-grade water in the field to determine contamination from air exposure.</i>	<i>Samples are collected by pouring laboratory-provided reagent-grade water over non-disposable sampling and monitoring equipment.</i>	<i>An additional set of samples collected at a given location in the field to assess water quality repeatability.</i>	<i>Samples are filled at the laboratory, transported to the sampling site, and returned to the laboratory with the associated samples. Trip blanks are not opened.</i>
Groundwater wells	Minimum two per sampling round or two for every 20 field samples collected, whichever is more frequent (one up wind and one down wind)	One sample for each piece of non-dedicated sampling equipment, minimum one from each sampling device per sampling round or per every 20 field samples collected, whichever is more frequent	One per sampling round or One for every 20 field samples collected, whichever is more frequent	One per VOC sample cooler
Private wells	--	One per sampling round or one for every 20 field samples collected, whichever is more frequent	One per sampling round or one for every 20 field samples collected, whichever is more frequent	One per VOC sample cooler

Notes:

¹ Pour Samples will be filled with lab-reagent-grade water in the field before regular sampling collection to determine contamination from air exposure.

² If more than one field blank is collected in a day, the field blanks should be collected at varying points of the sampling day. At least one field blank should be collected from each type of non-dedicated sampling equipment utilized during an event.

³ Trip blanks only required for VOCs.

-- = not applicable

Prepared by: JEF1

Checked by: RJM7

Outagamie County Recycling & Solid Waste Department License #4804

Table 8
Reporting Requirements

Type of Submittal	Submittal Generated By	Submittal Reporting Requirements									Reporting Schedule
		WDNR GEMS Data Submittal Contact - WA/5 Bureau of Waste and Materials Management Wisconsin Department of Natural Resources 101 South Webster Street Madison, WI 53707	WDNR Regional Office Jacqueline Marciulionis Wisconsin Department of Natural Resources Green Bay Service Center 2984 Shawano Avenue Green Bay, WI 54313-6727 Jacqueline.Marciulionis@wisconsin.gov	WDNR Regional Office Northeast Region Waste and Materials Management Program Environmental Program Associate Wisconsin Department of Natural Resources Green Bay Service Center 2984 Shawano Avenue Green Bay, WI 54313-6727	WDNR Air Management Program Wisconsin Department of Natural Resources Quinton LeSage	U.S. Environmental Protection Agency Region 5 R5AirEnforcement@epa.gov	Local WWTP Regulatory Agencies	OCRSWD Greg Parins, Director of Solid Waste Kraig Vangroll, Solid Waste Supervisor Outagamie County Landfill 1419 Holland Rd. Appleton, WI 54911-8985	OCRSWD EC Robert Meller Foth Infrastructure & Environment, LLC 2121 Innovation Court, Suite 300 De Pere, WI 54115-5126 bob.meller@foth.com	OCRSWD Contractor	
Quarterly GEMS data submittals	OCRSWD consultant cover letter/memo	X	X	-				X	X	-	Per NR 507.26 (3) OCRSWD Contractor to submit electronic deliverables to WDNR and OCRSWD 60 days after sampling is complete.
	OCRSWD sampling subcontractor cover letter/memo	X	X	-				X	X	-	
	Electric data deliverable (CD)	X	-	-				-	X	-	
	Data certification form	X	X	-				X	X	-	
	Exceedance report	X	X	-				X	X	-	
	Laboratory reports/field forms (CD)	-	-	-				-	X	-	
Private well monitoring result summary letters	Summary letter	-	X	X				X	X	-	Per NR 507.26 (1) The OCRSWD Contractor will submit the following information to the WDNR (DNRWasteManagement@Wisconsin.gov) within 10 days of receipt of the laboratory results: • Electronic copy of the complete lab report for each water supply well sampled. • Address of each private well • Name of the well owner and mailing address • If the occupant is different than the owner, the occupant's name (if known) and mailing address
	Electronic copy of the complete lab report for each water supply well sampled.	-	X	X				X	X	-	Although not required by Wisconsin Administrative code, the OCRSWD Sampling Subcontractor will prepare individual letters to submit to the private well owners within 10 days of receipt of laboratory results in accordance with ch. 160 Stats. The results letters shall highlight values that attain or exceed enforcement standards in NR 140.10 Table 1. Prior to submission to the private well owners the OCRSWD EC will review the private well sampling letters. The WDNR will be provided a copy of each of the private well sampling letters.
Annual Groundwater Monitoring Report	OCRSWD EC	-	X	-	-	-	-	X - 1 hard copy + 1 electronic copy	-	X	The OCRSWD EC is to provide electronic copy of the Annual Groundwater Monitoring Reports for the Outagamie County Landfill by May 1.
Annual Solid Waste Report	Contractor	-	X	-	-	-	-	X - 1 hard copy + 1 electronic copy	-	X	The OCRSWD Contractor is to provide electronic copy of the Annual Solid Waste Reports for the Outagamie County Landfill by May 1.
Leachate Summary	Contractor	-	-	-	-	-	-	X	X	X	See local WWTP requirements for monthly reporting deadlines.



LEGEND

- EXISTING PROPERTY BOUNDARY
- APPROXIMATE LICENSED LIMITS OF WASTE PLACEMENT
- EXISTING NATURAL GAS PIPELINE
- EXISTING ATC 138KV OVERHEAD ELECTRICAL UTILITY LINE AND EASEMENT
- EXISTING MONITORING WELL
- EXISTING MONITORING WELL NEST
- EXISTING SUBTITLE D MONITORING WELL
- EXISTING PRIVATE WELL
- STORMWATER MONITORING LOCATION
- LOCATION CONTROL MONUMENT

- GENERAL NOTES:
1. THE OUTAGAMIE PROPERTY IS LOCATED IN S 2/3 SECTION 17, T21N, R18E, VILLAGE OF LITTLE CHUTE, OUTAGAMIE COUNTY, WISCONSIN.
 2. AERIAL IMAGERY PROVIDED BY MICROSOFT BING. APPROXIMATE DATE OF PHOTOGRAPH ACQUISITION 2023.
 3. SITE GRID SYSTEM IS THE OUTAGAMIE COUNTY COORDINATE SYSTEM. VERTICAL DATUM IS A SITE DATUM REFERENCED TO NAVD 88 AS SHOWN IN TABLE 1
 - 4.

TABLE 1 - SITE SURVEY CONTROL MONUMENTS

CONTROL MONUMENT NO.	COUNTY COORDINATES		NAVD 88 ELEVATION
	EAST	NORTH	
LCM-1	843,979.11	572,820.80	741.28
LCM-2R	843,937.14	574,250.97	738.15
LCM-3	843,989.50	575,225.11	747.07
LCM-4R	846,386.86	575,162.14	745.48
LCM-5	846,415.97	573,986.76	742.31
LCM-6	846,421.39	572,846.75	731.29
LCM-7	845,295.21	571,650.87	731.78
LCM-8	843,473.70	571,618.53	733.95
LCM-9	841,511.71	571,985.43	730.67
LCM-10	841,529.99	574,347.49	740.13

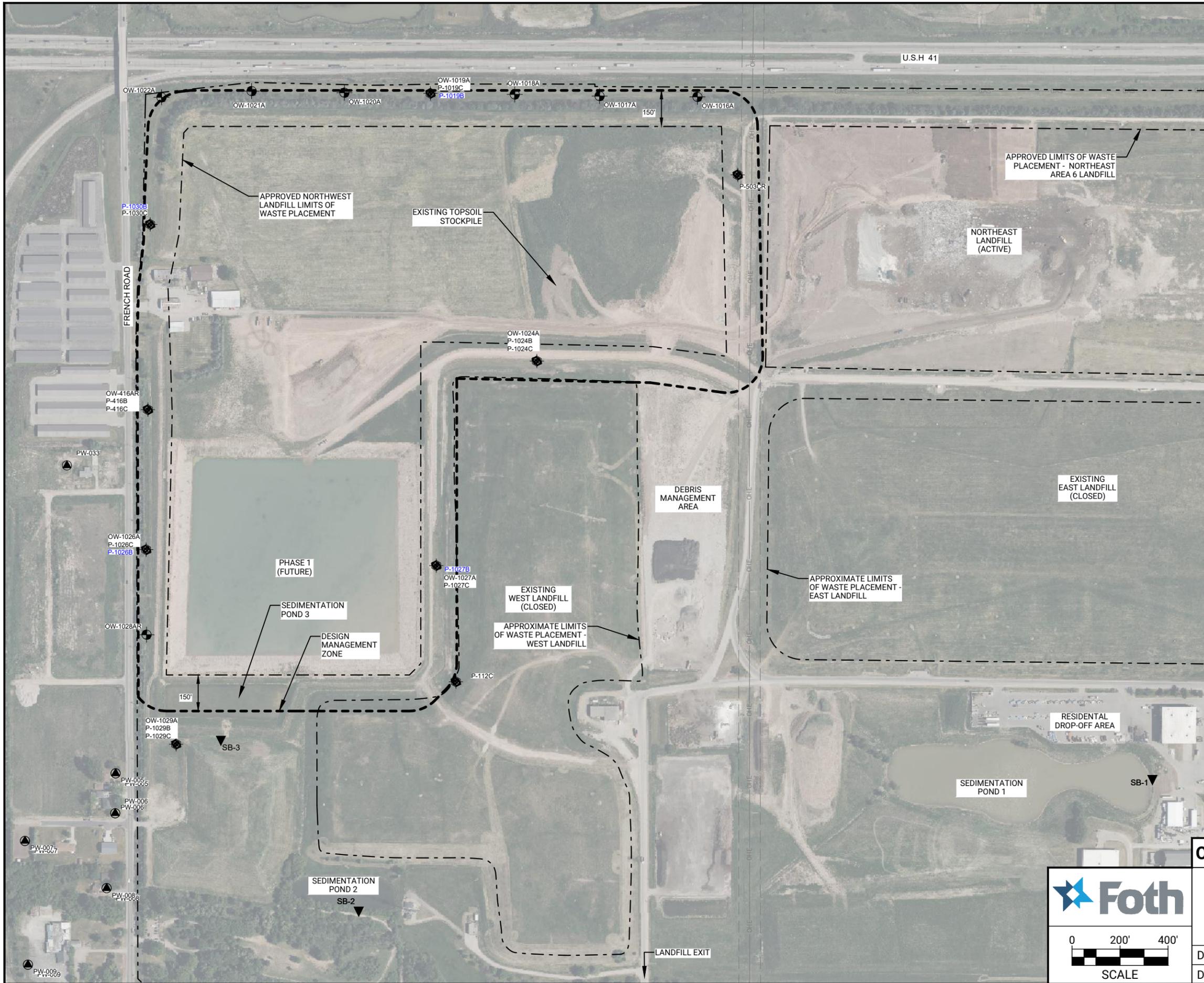
OUTAGAMIE COUNTY

FIGURE 1
SITE MONITORING WELL AND PRIVATE WELL LOCATION PLAN

0 250' 500'
SCALE

Date Completed:	DEC. 2024	Revision Date:	DEC. 2024
Drawn By:	TMH	Checked By:	DJM
Project No:		240002.00	

Monday, December 30, 2024 12:10:30 PM
 DWG Filename: 240002.00 Figure 1 - site monitoring well and private well location plan 2024.dwg
 Layout: fig 1 wells
 DWG Folder Location: Outagamie Co Recy: SW W10240002.00 CAD Figures\2024 GW Report



LEGEND

- EXISTING PROPERTY BOUNDARY
- APPROXIMATE LICENSED LIMITS OF WASTE PLACEMENT
- EXISTING NATURAL GAS PIPELINE
- EXISTING ATC 138KV OVERHEAD ELECTRICAL UTILITY LINE AND EASEMENT
- NWLF DESIGN MANAGEMENT ZONE
- EXISTING MONITORING WELL
- EXISTING MONITORING WELL NEST
- EXISTING SUBTITLE D MONITORING WELL
- EXISTING PRIVATE WELL
- NWLF STORMWATER MONITORING LOCATION

- GENERAL NOTES:**
1. THE OUTAGAMIE PROPERTY IS LOCATED IN S 2/3 SECTION 17, T21N, R18E, VILLAGE OF LITTLE CHUTE, OUTAGAMIE COUNTY, WISCONSIN.
 2. AERIAL IMAGERY PROVIDED BY MICROSOFT BING. APPROXIMATE DATE OF PHOTOGRAPH ACQUISITION 2023.
 3. SITE GRID SYSTEM IS THE OUTAGAMIE COUNTY COORDINATE SYSTEM.

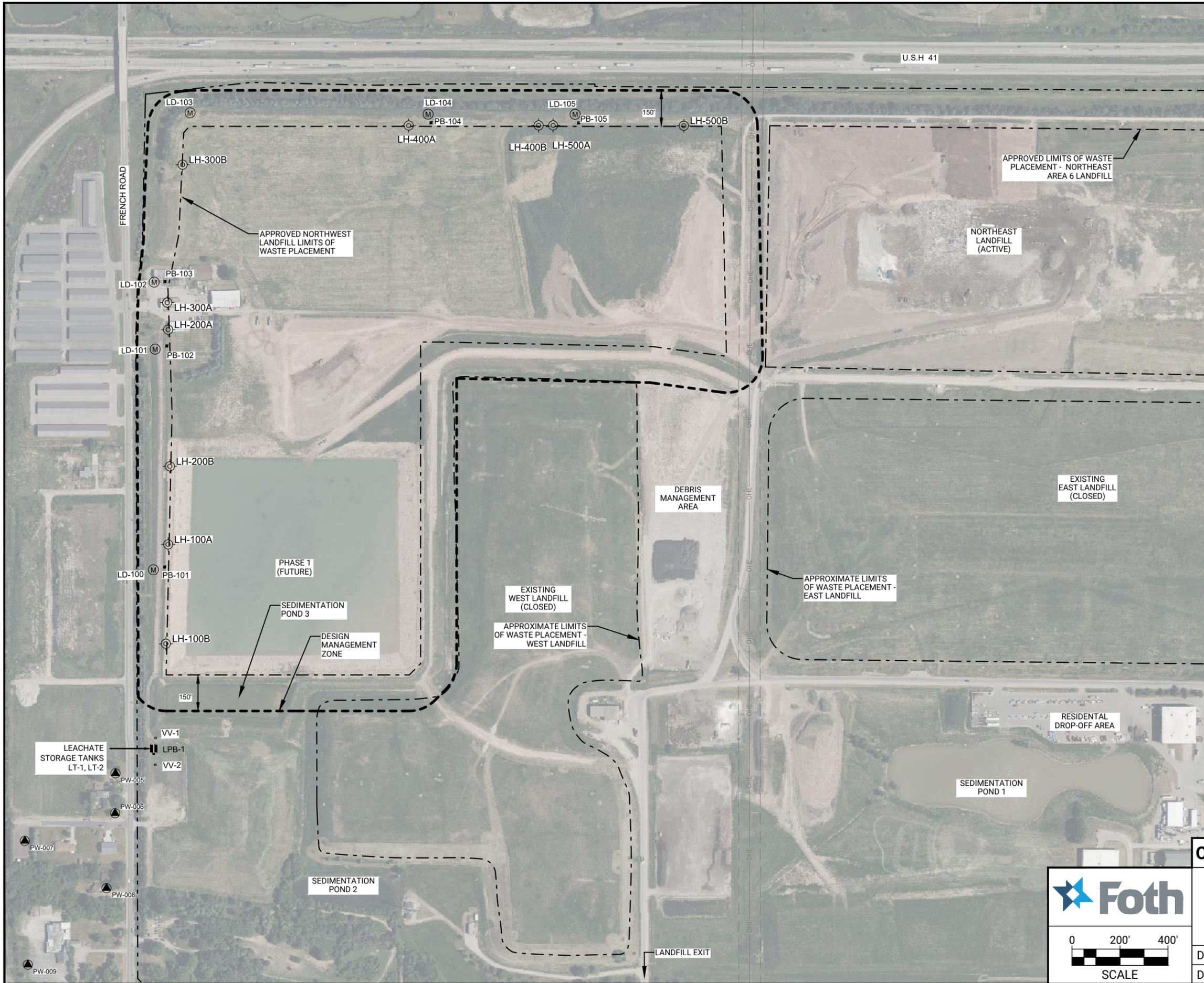
OUTAGAMIE CO. - NORTHWEST LANDFILL

FIGURE 2
GROUNDWATER MONITORING WELLS
AND SEDIMENTATION PONDS

0 200' 400'
SCALE

Date Completed:	DEC. 2024	Revision Date:	DEC. 2024
Drawn By:	TMH	Checked By:	DJM
		Project No:	240002.00

Monday, December 30, 2024 1:45:03 PM
 DWG Filename: figures 2-4 2024 nwlwf sap.dwg
 Layout: nwlwf figures 2
 DWG Folder Location: Outagamie Co Recyc SW W10022.0002.40 CAD\Figures\SAP-NWLF



LEGEND

- EXISTING PROPERTY BOUNDARY
- - - APPROXIMATE LICENSED LIMITS OF WASTE PLACEMENT
- GAS — EXISTING NATURAL GAS PIPELINE
- OHE — EXISTING ATC 138KV OVERHEAD ELECTRICAL UTILITY LINE AND EASEMENT
- - - NWLF DESIGN MANAGEMENT ZONE
- LH-200A PROPOSED NWLF LEACHATE HEAD MONITORING WELL
- PB-101 PROPOSED NWLF LEACHATE PUMP BUILDING
- LD-100 PROPOSED NWLF LEAK DETECTION MANHOLE
- LT-1 NWLF LEACHATE STORAGE TANK

GENERAL NOTES:

1. THE OUTAGAMIE PROPERTY IS LOCATED IN S 2/3 SECTION 17, T21N, R18E, VILLAGE OF LITTLE CHUTE, OUTAGAMIE COUNTY, WISCONSIN.
2. AERIAL IMAGERY PROVIDED BY MICROSOFT BING. APPROXIMATE DATE OF PHOTOGRAPH ACQUISITION 2023.
3. SITE GRID SYSTEM IS THE OUTAGAMIE COUNTY COORDINATE SYSTEM.

OUTAGAMIE CO. - NORTHWEST LANDFILL

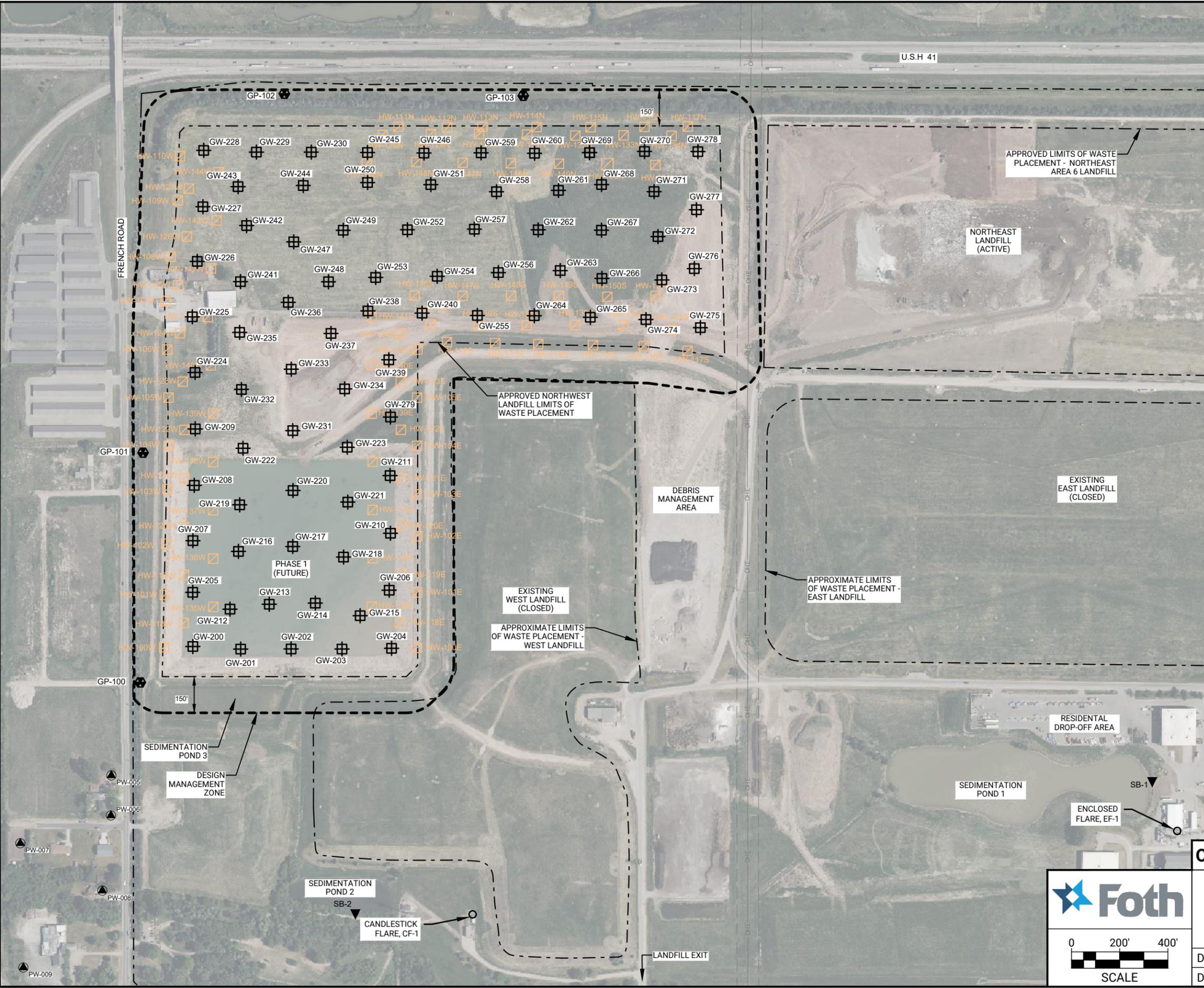
0 200' 400'
SCALE

FIGURE 3
LEACHATE COLLECTION AND MONITORING SYSTEM

Date Completed:	DEC. 2024	Revision Date:	DEC. 2024
Drawn By:	TMH	Checked By:	DJM
Project No:		240002.00	

Monday, December 30, 2024 1:47:23 PM
 DWG Filename: figures 2-4 2024 nwlwf sap.dwg
 DWG Folder Location: Outagamie Co Recy: SW W10222.0002.40 CAD\Figures\SAP-NWLF

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 DWG Folder Location: Outagamie Co Recy: SW W10022.0002.40 CAD\Figures\SAP-NWLWF



LEGEND

- EXISTING PROPERTY BOUNDARY
- - - APPROXIMATE LICENSED LIMITS OF WASTE PLACEMENT
- GAS — EXISTING NATURAL GAS PIPELINE
- OHE — EXISTING ATC 138KV OVERHEAD ELECTRICAL UTILITY LINE AND EASEMENT
- - - NWLF DESIGN MANAGEMENT ZONE
- GW-268 PROPOSED NWLF VERTICAL GAS WELL
- GP-101 PROPOSED NWLF GAS PROBE
- HW-117N PROPOSED NWLF HORIZONTAL GAS WELL

- GENERAL NOTES:
1. THE OUTAGAMIE PROPERTY IS LOCATED IN S 2/3 SECTION 17, T21N, R18E, VILLAGE OF LITTLE CHUTE, OUTAGAMIE COUNTY, WISCONSIN.
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OUTAGAMIE CO. - NORTHWEST LANDFILL

FIGURE 4
 VERTICAL GAS WELLS AND GAS PROBES

0 200' 400'
 SCALE

Date Completed:	DEC. 2024	Revision Date:	DEC. 2024
Drawn By:	TMH	Checked By:	DJM
Project No:		240002.00	

Table 8 (continued)

Type of Submittal	Submittal Generated By	Submittal Reporting Requirements									Reporting Schedule
		WDNR GEMS Data Submittal Contact - WA/5 Bureau of Waste and Materials Management Wisconsin Department of Natural Resources 101 South Webster Street Madison, WI 53707	WDNR Regional Office Jacqueline Marciulionis Wisconsin Department of Natural Resources Green Bay Service Center 2984 Shawano Avenue Green Bay, WI 54313-6727 Jacqueline.Marciulionis@wisconsin.gov	WDNR Regional Office Northeast Region Waste and Materials Management Program Environmental Program Associate Wisconsin Department of Natural Resources Green Bay Service Center 2984 Shawano Avenue Green Bay, WI 54313-6727	WDNR Air Management Program Wisconsin Department of Natural Resources Quinton LeSage	U.S. Environmental Protection Agency Region 5 R5AirEnforcement@epa.gov	Local WWTP Regulatory Agencies	OCRSWD Greg Parins, Director of Solid Waste Kraig Vangroll, Solid Waste Supervisor Outagamie County Landfill 1419 Holland Rd. Appleton, WI 54911-8985	OCRSWD EC Robert Meller Foth Infrastructure & Environment, LLC 2121 Innovation Court, Suite 300 De Pere, WI 54115-5126 bob.meller@foth.com	OCRSWD Contractor	
Semiannual Monitoring Report	OCRSWD EC	--	--	--	Switchboard Submittal	X	--	X	--	--	OCRSWD EC is responsible for preparing and submitting air permit and NSPS/NESHAP reports by March 31st and September 30th
Annual Compliance Certification	OCRSWD EC	--	--	--	Switchboard Submittal	--	--	X	--	--	OCRSWD EC is responsible for preparing and submitting the Annual Certification report with the 1st half semiannual report.
Air Emissions Inventory Report	OCRSWD EC	--	--	--	Switchboard Submittal	--	--	X	--	--	OCRSWD EC is responsible for preparing and submitting Air Emissions Inventory report by March 1st.
Green House Gas Report	OCRSWD EC	--	--	--	--	X	--	X	--	--	OCRSWD EC is responsible for preparing and submitting Green House Gas report by March 31st.
Damaged monitoring point notifications	OCRSWD Contractor	--	X	--				X	X	--	The OCRSWD Contractor will prepare and submit letters documenting any deficiencies in the sample monitoring points following each sampling event. In accordance with WAC NR507.13 WDNR should be notified within 10 days.

Notes:
 -- = not applicable
 X = Unless otherwise noted, one copy of each submittal is required.
 OCRSWD EC = Outagamie County Recycling & Solid Waste Department Engineering Consultant

Prepared by: GGR
 Checked by: RJM7