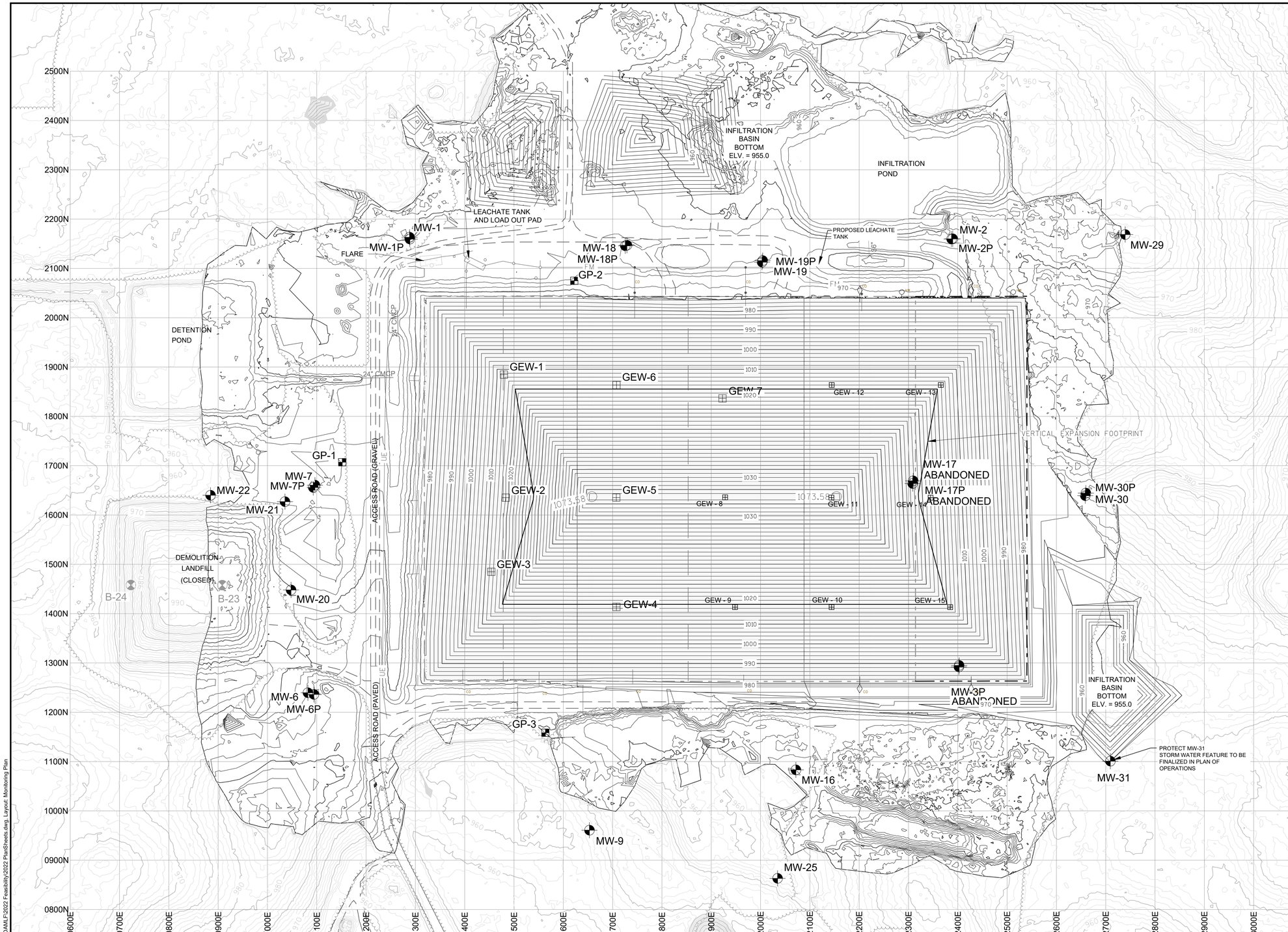

Sampling Points	Parameters and Frequency
Ground Water Quality Monitoring *Subtitle D Detection Monitoring Wells:* MW-7, MW-16, MW-17*, MW-18, MW-30** *Non-Subtitle D Detection Monitoring Wells:* MW-1, MW-1P, MW-2, MW-2P, MW-3*, MW-3P*, MW-6, MW-6P, MW-7, MW-7P, MW-9, MW-17P*, MW-18P, MW-19, MW-19P, MW-20, MW-21, MW-22, MW-25, MW-26, MW-27, MW-28, MW-29, MW-30P, MW-31 *To be abondened during Phase 5 Construction **Proposed Subtitle D Well	Per current site monitoring plan; approved May 7, 1995. *Semiannual Monitoring (March and September)* Field parameters: Groundwater elevation, Conductivity (@25°C), Temperature, Color, Odor, Turbidity Filtered parameters: Alkalinity, Chloride,Total Hardness Unfiltered: VOCs- Subtitle D wells only (EPA method 8260 or 8021) MWs 25, 26, 27 and 28 measured for Groundwater Elevation only *Annual Monitoring (March)* Unfiltered: VOCs (EPA method 8260 or 8021)
Leachate Head Monitoring LHW-5, LHW-6, LHW-7, LHW-8 New wells as installed	*Monthly Monitoring (submitted semiannually)* Leachate Head Elevation, Depth of Leachate
Leachate Monitoring *Leachate Tanks* Pump M.H.	*Monthly Monitoring (submitted semiannually)* Volume of Leachate Pumped, Volume of Leachate Recirculated *NR507.215(3)(a)-(g) requires Quarterly, We propose Semiannual Monitoring (March and September)* Field parameters: Groundwater elevation, Conductivity (@25°C), Temperature, Color, Odor, Turbidity Unfiltered: Total Suspended Solids, BOD, VOCs (EPA method 8260 or 8021), Chloride, Total Hardness, COD, Total Manganese, Total Cadmium, Total Lead, Total Ammonia Nitrogen, Total Iron, Total Alkalinity, Total Sodium, Total Kjeldahl Nitrogen, Total Sulfate, Total Mercury, Base/Neutral Extractable Compounds, Acid Extractable Compounds
Lysimeters CLR-1, CLR-2	*Monthly Monitoring* Lysimeter discharge, in gallons *Semiannual Monitoring (March and September)* Field parameters: Groundwater elevation, Conductivity (@25°C), Temperature, Color, Odor, Turbidity Unfiltered parameters: Chloride, Total Hardness, COD, Total Alkalinity, Total Sodium, Total Kjeldahl Nitrogen, Total Sulfate *Annual Monitoring (March)* Unfiltered parameters: VOCs (EPA method 8260 or 8021)
Landfill Gas Monitoring *Gas Extraction System* Active:GEW-1, GEW-2, GEW-3, As installed: GEW-4, GEW-5, GEW-6, GEW-7, GEW-8, GEW-9 *Gas Probes* Active: GP-1, GP-2 As installed: GP-3, GP-4 *Flare*	*Monthly Monitoring at Gas Extraction Wells (submitted semiannually)* Gas Temperature, %Methane, %Oxygen, %Carbon Dioxide, Gas Flow Rate, Header Pressure (inches of water), Valve Opening % *Annual Monitoring at Gas Extraction Wells* Leachate Elevation, Depth (in feet) *Quarterly Monitoring at Gas Probes (March, June September, December)* %Methane, %Oxygen, Ambient Air Temperature, Barometic Pressure, Pressure Trend, Ground Conditions *Monthly Monitoring at Flare* Gas Temperature, %Methane, %Oxygen, %Carbon Dioxide, Vaccuum, Flow Rate, Header Pressure (inches of water)

NOTE:
FOR CLARITY ONLY THE LAST 4 DIGITS OF THE COORDINATE SYSTEM ARE SHOWN ON THE SITE GRID.

LEGEND

- 970 — EXISTING GROUND CONTOUR MAJOR
- EXISTING GROUND CONTOUR MINOR
- 970 — PROPOSED CONTOUR MAJOR
- PROPOSED CONTOUR MINOR
- EXISTING WASTE LIMITS
- PROPOSED WASTE LIMITS
- EXISTING PHASE LINE
- PROPOSED PHASE LINE
- BREAK LINE
- HW — HORIZONTAL LEACHATE HEADWELL
- MH — LEACHATE MANHOLE
- B-106 — SOIL BORING
- MW-31 — MONITORING WELL
- PW — PRIVATE WELL
- GEW - 2 — GAS EXTRACTION WELL
- GP-1 — GAS PROBE
- TREE LINE
- 24" CMCP — CULVERT
- LFG — LANDFILL GAS PIPE
- CO — LEACHATE CLEANOUT
- FM — LEACHATE FORCE MAIN
- UE — UNDERGROUND ELECTRIC

DES BY	MGL/LS	BOOK NO									
DR BY	MAY	PROJ NO	52-0755.51								
CHK BY	BJP/NAB	DATE	SEPT. 2022	NO	DATE	REVISION	NO	DATE	REVISION		

FEASIBILITY REPORT
ADAMS COUNTY SANITARY LANDFILL
ADAMS COUNTY, WISCONSIN

AYRES
Eau Claire, WI 54701
715.834.3161

MONITORING PLAN

SHEET NO.
25

AA-Standard.stb
10/12/2022
I:\51CAD\LANDFILL\ADAMLF\2022 Feasibility\2022 PlanSheets.dwg, Layout: Monitoring Plan