Haley Griffith (adpce.ad)

Subject: RE: Camden 2024 AEIR (0255-S4)

From: Andrew Miller <amiller@mce.us.com>
Sent: Monday, May 12, 2025 4:03 PM
To: max.weidman@adeq.state.ar.us
Cc: Steven Head <shead@mce.us.com>
Subject: Camden 2024 AEIR (0255-S4)

Max.
I may locked out of ePortal at this time. The system made we reset my password and it did not work.

Please find attached the 2024 AEIR for Camden's Class 4 Landfill.
Should you have any questions, please give me a call.

Andrew Miller, PG, CFM, CSA
Geologist/Project Designer

McCLELLAND CONSULTING ENGINEERS, INC.
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7302 Kanis Road | Little Rock, AR 72204
501.371.0272 office | 501.371.9932 fax | 501.580.2972 cell
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May 12, 2025

Mr. Max Weidman, PE
Arkansas Department of Energy & Environment
Office of Land Resources – Solid Waste
5301 Northshore Drive
North Little Rock, AR 72118

Re: City of Camden Class IV Landfill 2024 Annual Engineering Inspection Report
ADEQ Permit #0255-S4 (AFIN 52-00069)

Dear Mr. Weidman,

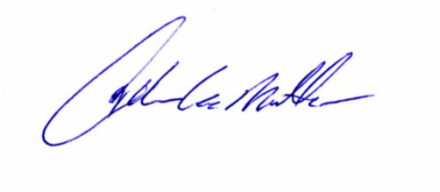
Please find attached the 2024 Annual Report for Camden's Class IV Landfill. This report was prepared under the direction of Steven Head, PE.

We have included our own spreadsheet with the Closure/Post Closure calculations.

You will also note that we took some photographs with a drone of the active cell. We will be including these in subsequent submittals.

Should you have any questions, feel free to contact me at 501.371.0272

Sincerely,



Andrew Miller, P.G., CFM, CSA
Geologist/Designer

Attachments:

0255- S4 Camden Class IV Landfill – 2024 AEIR
A- Camden Landfill Photos
B- Existing Surface to Final
C- Closure/Post Closure Cost
D- Base-Base Surface Comparison
E- Base-Drone Imagery

Cc: Mayor Charlotte Young

ANNUAL ENGINEERING INSPECTION REPORT (AEIR) FORM Reporting Year: 2024

Note: Check applicable landfill class. **Class 1 (Reg 22.423(b)) ____ , Class 3 (22.522(a)) ____ , Class 4 (22.619(b)) X**

Facility Name: **City of Camden Class IV Landfill** AFIN: **52-00069** Permit #: **0255-S4** Landfill Class: **4**

Report Submittal Date**:** **5/12/2025** Date of Landfill Site Inspection by Certifying Engineer: **1/27/2025**

Complete the form as indicated.
Instructions are bolded and italicized.

COLUMN TO BE COMPLETED BY REPORTER

Item	Regulation Reference	Item Description	Report Information/Comments/Remarks	Attachment Reference
1	22.423(b)(1) 22.522(a)(1) 22.619(b)(1)	Remaining volume in current cell.	a) **16,516** cubic yards	
		Projected date of opening new cell.	b) Date: N/A	
2	22.423(b)(2) 22.522(a)(2) 22.619(b)(2)	Remaining volume of all permitted units.	a) **16,516** cubic yards	
		Total air space used during the reporting period.	b) **0** cubic yards **(1,014.53 tons 2024 reported)**	
		Estimated remaining site life (years) based on utilization rate during the reporting period. ***Note: Itemize current permitted unit/cell information - use attachment if necessary.***	c) Landfill Unit/Cell remaining life: Landfill unit/cell N/A , **3.6** years. Landfill unit/cell _____ , _____ years. Landfill unit/cell _____ , _____ years. d) Entire permitted landfill: **3.6** years remaining life.	Average 4,500 cubic yards per year
3	22.423(b)(3) 22.522(a)(3) 22.619(b)(3)	Documentation of fill progression in compliance with permit plans, specs and operating plan and narrative. ***Note: Provide narrative regarding fill progression during the reporting period. Be specific about landfill unit/cell designations (example: Cell 1, Phase A completely filled; Cell 2, Phase A, 50% full, being filled south to north as of December 31). Specifically note any overfill conditions.***	a) Progression narrative: Continued from the west side, stockpiled weekly cover on top. Fill continues as planned to meet the finished grades.	

4	22.423(b)(4) 22.522(a)(4) 22.619(b)(4)	Documentation of compliance with regulatory operating requirements, permit conditions, approved operating plan, and other applicable regulations. ***Note: Review current operating plans, and permit conditions. Include photographs of engineer's inspection as Attachment A. Check for weekly/monthly operational logs, waste volume records in and out of landfill, unauthorized waste form sheets, waste cover maintenance, stormwater reports to ADEQ, and wet weather repair information.***	a) Weekly/monthly operational logs exist (Y/N)? Y b) Photos of AEIR inspection attached (Y/N)? Y c) Waste volume in and out records exist (Y/N)? Y d) Unauthorized waste forms exist (Y/N)? Y e) Daily/weekly cover adequate at time of inspection (Y/N)? Y f) Alternative Daily Cover (ADC) Plan located onsite (Y/N)? N/A Operations in compliance with ADC Plan (Y/N)? N/A g) Liquid Waste Management (LWM) Plan located onsite (Y/N)? N Operations in compliance with LWM Plan (Y/N)? N/A h) Liquids received to be bulked during reporting period: 0 gallons 0 tons i) Waste cover of inactive areas maintained adequately (Y/N)? Y j) Net amount of waste disposed in landfill during reporting period: **n/a** cubic yards **1,014.53** tons k) Leachate head level less than 1' on liner at time of inspection (Y/N)? n/a	**A** **Camden Landfill Photos**
5	22.423(b)(5) 22.522(a)(5) 22.619(b)(5)	Updated contour map that depicts: ***Note: Provide updated drawing(s) and final cover permit drawing as Attachment B – discuss any discrepancies. Max. contour interval = 2 feet)***	a) Updated contour drawing attached (Y/N)? Y b) Final cover permit drawing attached (Y/N)? N c) ***List all discrepancies here:*** N/A d) Is there an overfill condition (Y/N)? N	**B** **Existing Surface to Final**
		(i) horizontal and vertical extent of active and inactive fill areas;		
		(ii) status of all permitted units/cells; ***(Note: Label all active (working face, bulking area, stockpiles), inactive, closed and interim cover areas)***.	a) Currently, does the facility have sufficient on-site quantities and types of soils for liner and cover construction of permitted units/cells (Y/N)? Y b) If not, where will deficiency shortfalls be obtained (be specific)? c) Is the current Design Narrative earthwork balance accurate (Y/N)? Y	**E-** **Base-Drone Imagery**
		(iii) survey grid (required by 22.426); ***Note: Include benchmarks and horizontal controls***		

		(iv) location of other visible surface features or improvements (e.g., roads, buildings, gas control systems, etc..); ***Note: Include leachate risers, manholes, monitoring wells, gas wells, etc.***		
		(v) the person responsible for gathering the survey data and the date survey data was taken to prepare the map. *Reminder: Reporting period is calendar year. Survey data should be collected to reflect the AEIR reporting period.*	a) Name: Aaron Musick, PLS AR # 1121 b) Name of person using the data to produce contour map: John Morrison and Steve Morrow c) Date survey data was collected**: 1/27/2025**	**D-Base-Base Surface Comparaison**
6	22.423(b)(6) 22.522(a)(6) 22.619(b)(6)	Quantity, location, and characteristics of leachate collected, recirculated, and disposed. ***Note: Provide analytical report as Attachment C. Provide brief narrative on this form in space provided about leachate sources, how leachate is collected, measured and disposed. Also, explain how the leachate head on the landfill liner is monitored and measured.***	a) Leachate Collected: 0 gallons b) Leachate Disposed: 0 gallons c) Leachate Recirculated: 0 gallons d) Leachate Recirculation Plan exists (Y/N)? N ADEQ approval Doc # N/A e) Leachate operating records exist (Y/N)? N/A f) Leachate analytical report attached (Y/N)? N/A g) Leachate narrative (collection, measurements and disposal): Leachate is not collected h) Leachate narrative (verifying <1' head on liner system): N/A	
7	22.423(b)(7) 22.522(a)(7) 22.619(b)(7)	Maintenance of stormwater controls and best management practices for erosion control. ***Note: List any upset conditions during the reporting period (i.e., washouts, etc…). Also, include narrative about vegetation maintenance and repair.***	a) ***Briefly list maintenance activities and upset conditions here:*** Operator has installed silt fencing and hay bales. Additionally, a very good stand a grass is established.	
8	22.423(b)(8) 22.619(b)(8)	Status of capping and closure of completed areas. ***Note: List areas with acreage that have received interim or final cover. Include total landfilled area acreage not yet under final certified closed cover.*** ***Note: "Certified closed" means the facility has received an approval letter from ADEQ accepting the engineer's closure certification report.***	a) Lndfl unit/cell _____ , **6.1** acres. **Intrm** or Final Cover (I/F): I b) Lndfl unit/cell _____ , ____ acres. Intrm or Final Cover (I/F): ____ c) Lndfl unit/cell _____ , ____ acres. Intrm or Final Cover (I/F): ____ d) Lndfl unit/cell _____ , ____ acres. Intrm or Final Cover (I/F): ____ e) Acres of disposed waste not under final certified cover: **6.1** acres f) Acres of disposed waste area that have interim cover**: 6.1** acres	

9	22.423(b)(9) 22.522(a)(8) 22.619(b)(9)	Status of remedial or corrective action activities. ***Note: List corrective action events during reporting period (e.g., seeps and erosion correction, leachate spills, unauthorized waste handling and removal , etc…), and indicate whether action was taken in response to an ADEQ inspection.***	a) ***Briefly list corrective actions events here:*** Stormwater controls appear to be in good condition. b) Were any of the corrective actions taken in response to an ADEQ inspection (Y/N)? Y c) Current status of corrective actions: Stormwater erosion has been corrected with grass and hay bales. d) Did corrective actions permanently solve the conditions (Y/N)? N ***Explain briefly:*** Stormwater must be constantly monitored and maintained.	
10	22.423(b)(10) 22.522(a)(9) 22.619(b)(10)	Updated Financial Assurance documentation as required by Chapter 14. ***Note: Include copy of most recent financial assurance documentation as Attachment D. Also, include updated closure and post closure cost estimated as an attachment– recommend to use the Closure Costs and Post-closure Care Costs Worksheet located at ADEQ - Solid Waste - Technical Branch Home Page Specific links to the worksheets:*** http://www.adeq.state.ar.us/solwaste/branch_technical/pdfs/closure_costs_worksheet.xlsx ***and*** http://www.adeq.state.ar.us/solwaste/branch_technical/pdfs/post_closure_care_costs_worksheet.xlsx. ***. Show detailed calculations of cost items in tabular format with specific item breakdowns. Also, show source of unit cost information and/or inflationary factor adjustments – use ADEQ factors where applicable. If updated unit cost information is used instead of inflationary factors, show the source of unit cost information. Confirm estimates are based on largest area ever requiring final cover.***	a) Size of the facility property under current permit? **17.1** acres b) Size of actual permitted disposal area? **6.1** acres c) What is the current total permitted disposal area that contains disposed waste but is not certified closed? **6.1** acres d) Updated closure cost estimate amount: **$352,969.72** e) Is the closure cost estimate based on the largest area ever requiring closure (Y/N)? Y f) Is the existing closure financial assurance adequate for acreage not yet certified closed (Y/N)?: Y g) Updated post closure care cost estimate amount for 2 years: **$110,356.69** h) Is the existing post closure care financial assurance adequate for all permitted areas (Y/N)?: Y i) Is the financial assurance mechanism a trust fund (Y/N)? Y j) Are the sources of information for updated unit cost line items shown on the cost estimate calculations (Y/N?): Y k) Do the unit cost items for soil cover material include actual third-party cost of materials and labor (Y/N)? Y	**C Closure/Post-Closure Cost**
11	22.423(b)(11) 22.522(a)(10) 22.619(b)(11)	Revised or updated facility Closure Plan in accordance with Chapter 13. ***Note: Provide updated Closure Plan as Attachment E if facility obtained a permit modification during the reporting period that affects the closure and/or post closure care.***	a) Was an updated Closure Plan required during this reporting period (Y/N)?: N b) Is an updated Closure Plan attached herein (Y/N)? N	

12	22.423(b)(12) 22.522(a)(11) 22.619(b)(12)	Other items that affect compliance. ***Note: Include an ADEQ enforcement activity summary (solid waste, water, air, hazardous waste related) and , status of operating and permit fees. Also, include brief narrative concerning groundwater monitoring reports, landfill gas, leachate recirculation, alternate daily cover, etc…***	a) Are there current ADEQ enforcement actions (Y/N)? N b) Summary of enforcement actions: N/A c) Are operating and permit fees payments up-to-date (Y/N) ? Y If not explain: Additional Information: d) Does the facility monitor groundwater (Y/N)?: N/A If so, is it detection monitoring or assessment monitoring: e) What is the groundwater analytical sampling frequency? N/A months f) Does the facility collect landfill gas (Y/N)?: N/A g) Does the facility have a Gas Monitoring Plan (Y/N)? N/A h) Does the facility have gas monitoring probes (Y/N)? N/A i) Does the facility use an alternate daily cover (ADC)(Y/N)? N If so, what type of ADC is used: N/A If so, list document id# approving ADC: N/A j) Does the facility have a Liquid Waste Management (LWM) Plan (Y/N)? N If so, list document id# approving the LWM Plan: k) Date and document id # of currently approved Operating Plan and Narrative: Date: 8/12/2012 Doc#: *62923* l) Date and document id # for currently approved Closure/ Post Closure Plan: Date: 8/12/2012 Doc#: *62923* m) Date and document id # of currently approved Permit Drawings: Date: 9/22/1994 Doc#: *1596* n) Date and document id # of currently approved Design Narrative: Date: 9/22/1994 Doc#: *1596* o) Are weigh scales utilized at the landfill (Y/N)? Y p) Does the final cap include a synthetic liner (Y/N)? N q) Does the final cap include clay liner (Y/N)? Y r) Total current permitted landfill volume: 140,000 cubic yards	



Photo Location Map

(Photographic survey completed 01/27/25)

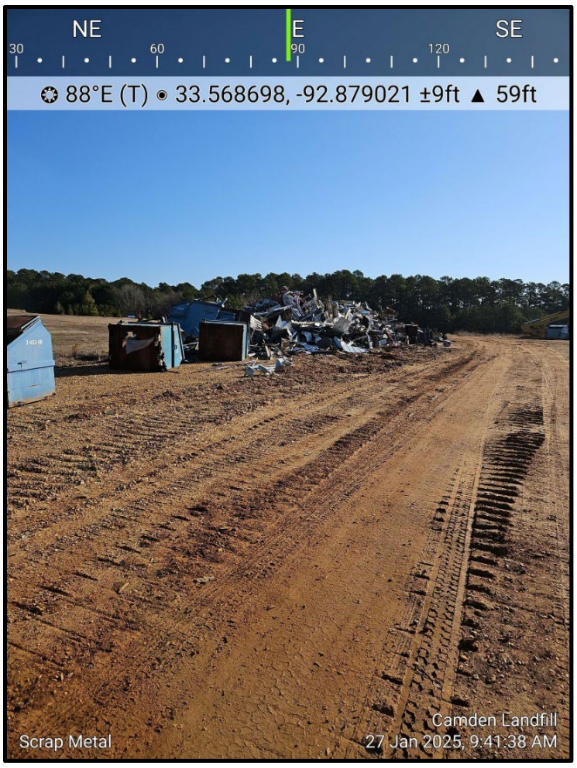


Figure 1: Looking east at scrap metal pile



Figure 2: Looking south at mulch pile



Figure 3: Looking south along edge of fill

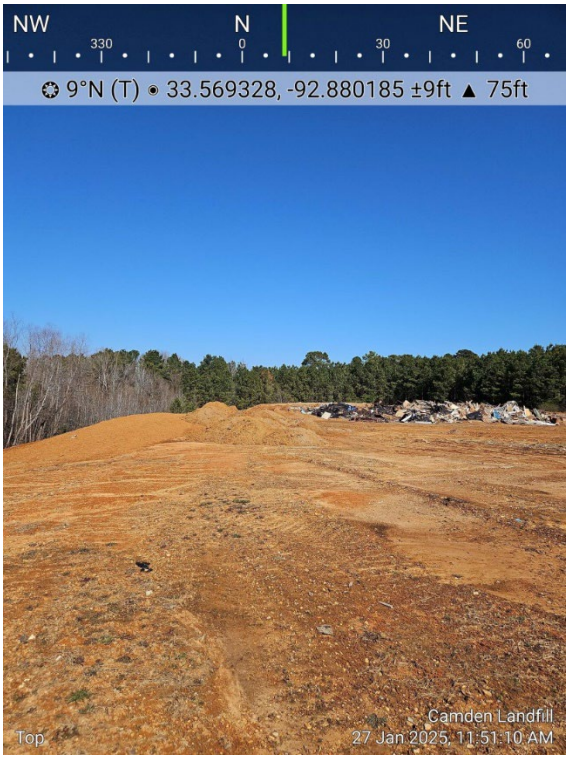


Figure 4: Looking north along edge of fill

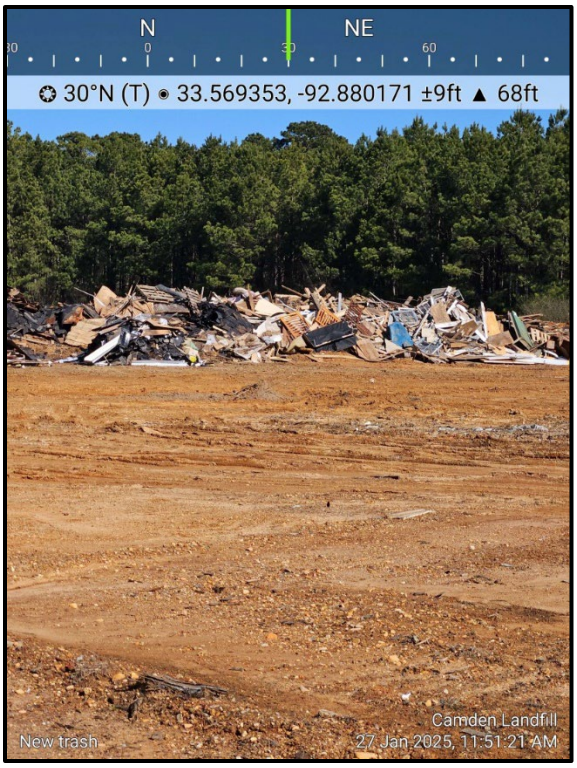


Figure 5: Looking north at recent waste pile



Figure 6: Looking southeast across top of landfill



Figure 7: Looking southwest at toe of slope

2024 Camden Class IV Landfill Closure Cost Estimate

Item Number	Description	Unit	Unit Quantity	Unit Price	Total
1	Surface Preparation & Grading	acre	6.10	$2,200.00	$13,420.00
2	18" Clay Cover (on-site material)	CY	14,762	$13.10	$193,382.20
3	6" Topsoil (furnished and placed)	CY	7,381	$15.25	$112,560.25
4	Seeding and Fertilization	acre	6.10	$1,320.84	$8,057.13
5	Erosion Control	acre	6.10	$1,256.34	$7,663.67
6	Quality Control*	LS	1	$8,061.47	$8,061.47
7	Surveying	HR	24	$200.00	$4,800.00
8	Certification Report	LS	1	$5,025.00	$5,025.00
			Total of Cost Estimate		**$352,969.72**

1. Prices based on ArDOT 2024 weighted averages,hourly rates, and contractors input

2024 Camden Class IV Landfill Post-Closure Cost Estimate

2 Year Post-Closure Period

Item Number	Description	Unit	Unit Quantity	Unit Price	Total
1	Seeding and Fertilization	acre	1.0	$2,200.00	$2,200.00
2	Re-Grading	acre	1.0	$1,388.81	$1,388.81
3	Re-compact Clay (18")	CY	2420.0	$13.10	$31,702.00
4	6" Topsoil (furnished and placed)	CY	540.0	$15.25	$8,235.00
5	Erosion Control	acre	1.0	$1,256.34	$1,256.34
6	Quality Assurance / Control	HS	32.0	$167.85	$5,371.20
7	Certification Report	LS	1.0	$5,025.00	$5,025.00
			Total of Cost Estimate		**$55,178.35**
				2 years	**$110,356.69**

1. Based on price for engineer to make 4 site visits (8 hrs./each @ $120/hr) + expenses
2. Quantities based on estimated need to repair 1 acre of land
3. Prices based on ArDOT 2024 weighted averages,hourly rates, and contractors input

Total Estimate of Closure and Post Closure Costs **$463,326.41**



Figure 5: Drone Image (0104/24)

13	22.423(b) 22.522(a) 22.619(b)	Certification of AEIR Report: "I have inspected the landfill site and have prepared this report to reflect operational compliance with permit conditions, permit plans, specifications, narrative, and all applicable regulations"	a) Arkansas Licensed Engineer: Sign: _____ Date: 05/12/2025 b) License Number: **AR #16434** c) ***Attach seal here:*** 	

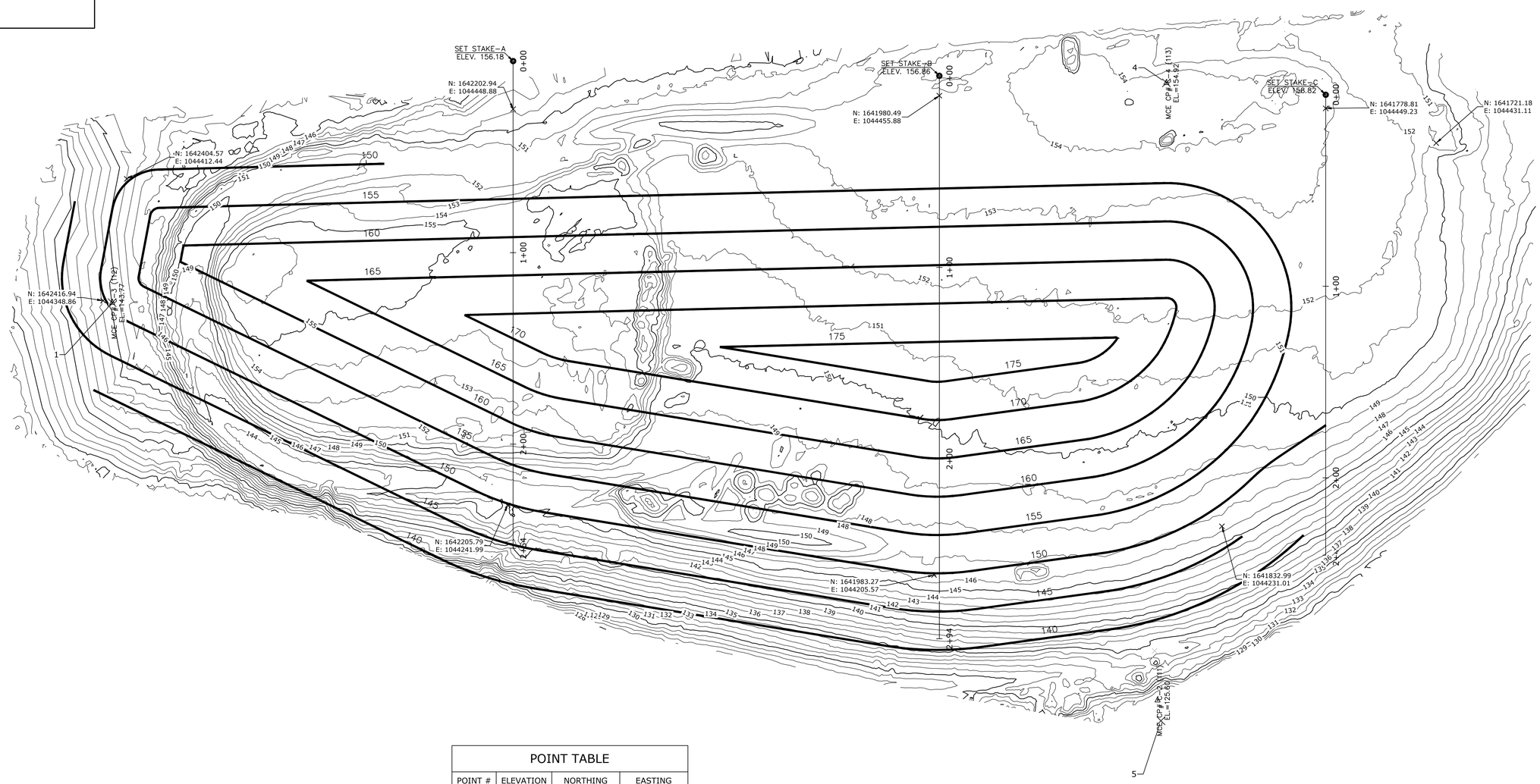
PLAN SCALE

30 0 15 30 60

(IN FEET)
1 inch = 30ft.

LEGEND

- MAJOR CONTOUR (2024)
- MINOR CONTOUR (2024)
- FINAL GRADE
- SURVEY CONTROL MONUMENT (TYPE AS NOTED)



NOTES:

HORIZONTAL COORDINATES FOR THIS PROJECT ARE ARKANSAS STATE PLANE SOUTH ZONE AND ELEVATIONS ARE NAV88 BASED ON THE ARDOT CONTINUOUSLY OPERATING REFERENCE STATIONS.

CONTOUR INTERVAL = 1 FOOT.

DRONE FLIGHT WAS CONDUCTED ON JANUARY 19, 2023.

NO STATEMENT IS MADE CONCERNING SUBSURFACE CONDITIONS.

BURIED UTILITIES AND SUBSURFACE STRUCTURES WERE NEITHER RESEARCHED NOR LOCATED FOR THIS PROJECT AND ARE NOT SHOWN ON THIS DRAWING. McCLELLAND CONSULTING ENGINEERS MAKES NO STATEMENT AS TO THE LOCATION NOR EXISTENCE OF ANY SUBSURFACE FEATURES. ANY CONSTRUCTION AT THIS SITE SHOULD ONLY BE DONE AFTER CONTACTING ARKANSAS ONE CALL AT 1-800-482-8998 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION.

SURVEY COMPLETED UNDER THE DIRECTION OF AARON MUSIK PLS #1121

POINT TABLE

POINT #	ELEVATION	NORTHING	EASTING
1	142.90	1642412.2090	1044347.7880
2	174.48	1642081.6240	1045000.2360
3	154.81	1641793.8630	1044626.7510
4	154.92	1641861.9790	1044462.5410
5	125.60	1641864.8250	1044129.4720

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PRELIMINARY
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ORIGINAL SIGNATURE ON FILE

CITY OF CAMDEN CLASS IV LANDFILL
2023 AEIR

CAMDEN COUNTY, ARKANSAS

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811 Know what's below. Call before you dig.

REVISIONS

REV	DATE	DESCRIPTION

SURFACE COMPARISON 2024/ULTIMATE

DESIGNED BY:	DRAWN BY :
ALM	SJM
DATE:	REVISION:
MARCH, 2025	
SCALE:	JOB NUMBER:
1" = 30'	25-9602

3

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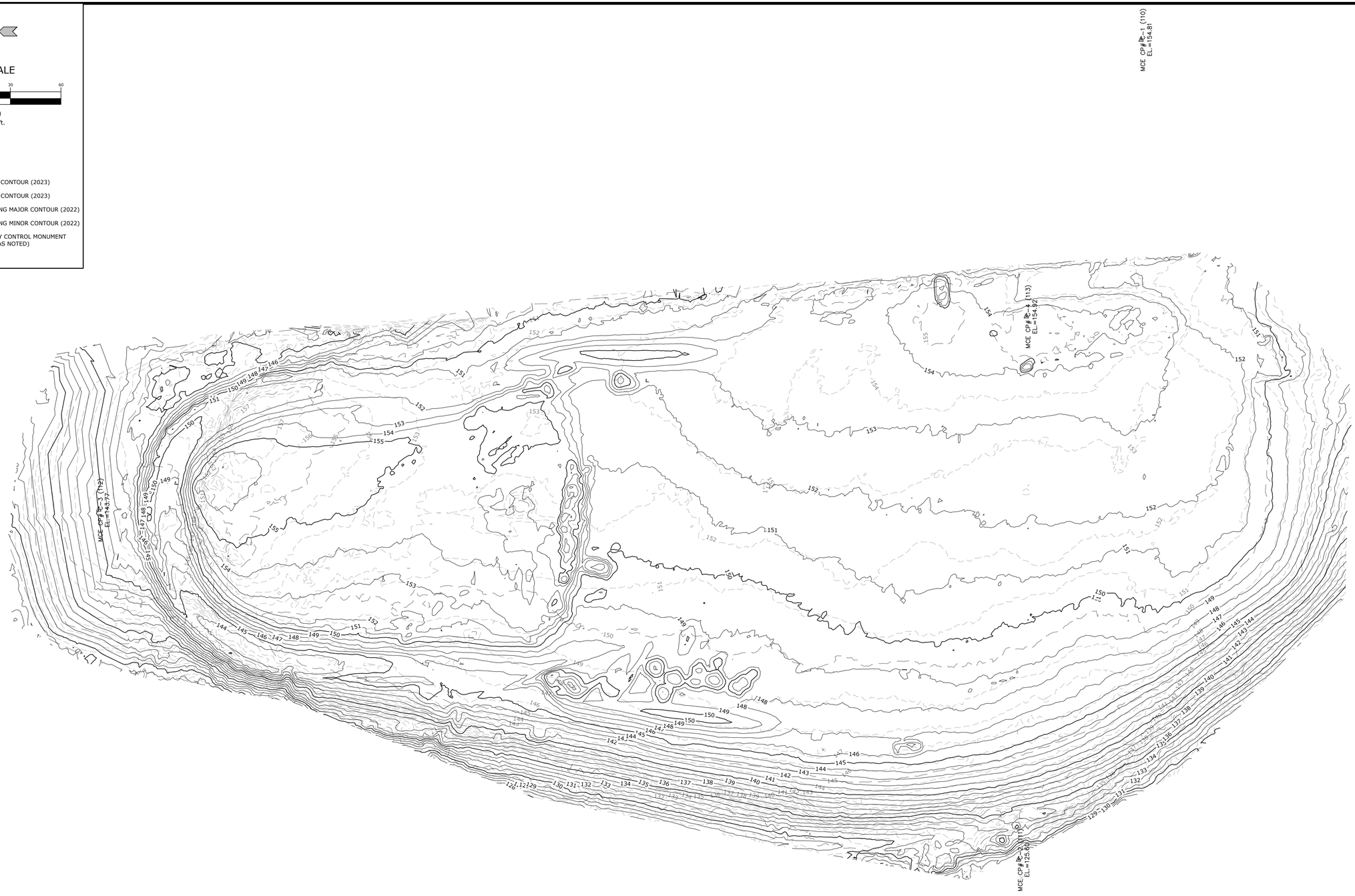
PLAN SCALE

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(IN FEET)
1 inch = 30ft.

LEGEND

- MAJOR CONTOUR (2023)
- MINOR CONTOUR (2023)
- EXISTING MAJOR CONTOUR (2022)
- EXISTING MINOR CONTOUR (2022)
- SURVEY CONTROL MONUMENT (TYPE AS NOTED)



NOTES:

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CONTOUR INTERVAL = 1 FOOT.

DRONE FLIGHT WAS CONDUCTED ON JANUARY 19, 2023.

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2023 AEIR

CAMDEN COUNTY, ARKANSAS

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REVISIONS

REV	DATE	DESCRIPTION

SURFACE COMPARISON 2023/2024

DESIGNED BY:	DRAWN BY :
ALM	SJM
DATE:	REVISION:
MARCH, 2025	
SCALE:	JOB NUMBER:
1" = 30'	25-9602

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PLAN SCALE

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(IN FEET)
1 inch = 30ft.

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2023 AEIR
CAMDEN COUNTY, ARKANSAS

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Know what's below.
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REVISIONS

REV	DATE	DESCRIPTION

DRONE AERIAL IMAGERY

DESIGNED BY: ALM	DRAWN BY : SJM
DATE: MARCH, 2025	REVISION:
SCALE: 1" = 30'	JOB NUMBER: 25-9602

1

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