2024 Annual Engineering Inspection Report

Drew County Landfill - Class 1 Landfill
Permit 0154-S AFIN 22-00040
548 Jose Chapel Road
Monticello, AR 71655

SCS ENGINEERS

27223402.00 | March 2025

9780 Maumelle Blvd.
North Little Rock, AR 72113
501-812-4551

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1.0 ANNUAL ENGINEERING INSPECTION REPORT FORM

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

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

Facility Name: Drew County – Class 1 AFIN: 22-00040 Permit #: 0154-S Landfill Class: 1

Report Submittal Date: March 27, 2025 Date of Landfill Site Inspection by Certifying Engineer: March 19, 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) 0 cubic yards **(closed since 1994)**	**Doc ID 1600**
		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) 0 cubic yards	
		Total air space used during the reporting period.	b) 0 cubic yards	
		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 0 , 0 years. Landfill unit/cell _____ , __ years. Landfill unit/cell _____ , ___ years. d) Entire permitted landfill: 0 years remaining life.	**Attachment D Landfill Plans (Feb 1979)**
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.	a) Progression narrative: Landfill has been closed since 1994	

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		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.	_____ _____	
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)? N/A b) Photos of AEIR inspection attached (Y/N)? N/A c) Waste volume in and out records exist (Y/N)? N/A d) Unauthorized waste forms exist (Y/N)? N/A e) Daily/weekly cover adequate at time of inspection (Y/N)? N/A 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/A 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: 0 cubic yards 0 tons k) Leachate head level less than 1' on liner at time of inspection (Y/N)? N/A	**Doc ID 35931** **Closure Certification Sep 15, 1994**
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 (2022) b) Final cover permit drawing attached (Y/N)? N/A c) ***List all discrepancies here:*** None noted. _____ _____ _____ d) Is there an overfill condition (Y/N)? N	**Attachment B** **Doc ID 35931** **Closure Certification Sep 15, 1994**
		(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)? N/A b) If not, where will deficiency shortfalls be obtained (be specific)? N/A c) Is the current Design Narrative earthwork balance accurate (Y/N)? N/A	
		(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: LiDAR b) Name of person using the data to produce contour map: Kyle Jackson c) Date survey data was collected: 2022	
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/A 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): 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:*** None.	
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***	a) Lndfl unit/cell 18.79 ± , acres. Intrm or Final Cover (I/F): F b) Lndfl unit/cell _____ , acres. Intrm or Final Cover (I/F): ___ c) Lndfl unit/cell _____ , _____ acres. Intrm or Final Cover (I/F): ___	**Doc ID 35931** **Closure Certification**

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		received an approval letter from ADEQ accepting the engineer's closure certification report.	d) Lndfl unit/cell _____ , ____ acres. Intrm or Final Cover (I/F): ____ e) Acres of disposed waste not under final certified cover: ____ acres f) Acres of disposed waste area that have interim cover: __0__ acres	**Sep 15, 1994**
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:*** None. Site has been closed since 1994. Site has heavy vegetation and is utilized by local hunting club. b) Were any of the corrective actions taken in response to an ADEQ inspection (Y/N)? N c) Current status of corrective actions: N/A d) Did corrective actions permanently solve the conditions (Y/N)? N/A ***Explain briefly:*** Site has been closed since 1994	**Attachment A** **Photos 2024 AEIR Class 1**
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***	a) Size of the facility property under current permit? 80 acres b) Size of actual permitted disposal area? 18.79 (based on development plan dated Fen 1979) acres c) What is the current total permitted disposal area that contains disposed waste but is not certified closed? 18.79 acres d) Updated closure cost estimate amount: $ site closed 1994 e) Is the closure cost estimate based on the largest area ever requiring closure (Y/N)? N/A	**Attachment C** **Closure & Post Closure Cost Estimate**

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		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.***	f) Is the existing closure financial assurance adequate for acreage not yet certified closed (Y/N)?: N/A . g) Updated post closure care cost estimate amount: $ 132,350 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)? N 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	**Attachment D** **Landfill Plans (Feb 1979)**
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) ? N/A If not explain: Additional Information: d) Does the facility monitor groundwater (Y/N)?: N If so, is it detection monitoring or assessment monitoring?: N/A e) What is the groundwater analytical sampling frequency? N/A months f) Does the facility collect landfill gas (Y/N)?: N 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	

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			i) Does the facility use an alternate daily cover (ADC)(Y/N)? N/A If so, what type of ADC is used: _____ If so, list document id# approving ADC: _____ j) Does the facility have a Liquid Waste Management (LWM) Plan (Y/N)? N/A If so, list document id# approving the LWM Plan: _____ k) Date and document id # of currently approved Operating Plan and Narrative: Date: N/A Doc#: _____ l) Date and document id # for currently approved Closure/ Post Closure Plan: Date: 9/4/1994 Doc#: 35931 / 1600 m) Date and document id # of currently approved Permit Drawings: Date: Feb 1979 Doc#: 1600 n) Date and document id # of currently approved Design Narrative: Date: N/A Doc#: _____ o) Are weigh scales utilized at the landfill (Y/N)? N 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: 0 (site closed 1994) cubic yards	
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: 3/28/25 b) License Number: 7491 c) ***Attach seal here:***   	

Appendix A

Photographic Log



Access Entrance - Looking West



Access Entrance – Looking North



Access Entrance - Looking South



Looking West From Eastern Boundary



Onsite Trench Area



Onsite Trench Area Closeup



Onsite – Typical Conditions



Onsite -Typical Conditions



Rat Creek - Onsite



Rat Creek - Onsite

Appendix B

Current Survey

120 0 120 240

SCALE FEET

LEGEND:

- 260 EXISTING CONTOURS (2' INTERVALS)
- PROPERTY BOUNDARY
- DISPOSAL AREA BOUNDARY
- TRENCH BOUNDARY

REV.	DATE	DESCRIPTION	CK. BY

SHEET TITLE
EXISTING CONDITIONS

PROJECT TITLE
2024 REPORTING YEAR AEIR

CLIENT
DREW COUNTY CLASS 1 LANDFILL
MONITCELLO, ARKANSAS 71655
548 JOSE CHAPEL RD.

SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS, INC.
11219 RICHARDSON DRIVE
NORTH LITTLE ROCK, ARKANSAS 72113
PH. (501) 812-4551

PROJ. NO. 27223402.00
DSN. BY: KHJ
DWN. BY: KHJ
CHK. BY: CEM
Q/A RVW BY: CEM
APP. BY: CEM

CADD FILE: 001

DATE: MARCH 2025

SCALE: AS SHOWN

DRAWING NO. **1**

\\scs-fs01\Projects\27223402.00\AutoCAD\CLASS 1 EXISTING CONDITIONS.dwg

Appendix C

Update Financial Assurance Documentation

POST-CLOSURE CARE COST ESTIMATE Drew County Landfill (Permit No. 0154-S) Class I Solid Waste Landfill				
ITEM	QUANTITY	UNIT	UNIT PRICE	AMOUNT
Repair Seeding and Fertilization (10% of 18.79 as maintenance)	1.88	AC	$1,321	$2,483.48
Repair Re-Grading (50% of 18.79 ac)	9.40	AC	$1,270	$11,937.91
Re-compact Clay (18") (20% of 18.79 ac)	9,094.00	CY	$2.36	$21,461.84
6" Topsoil (furnished and placed) (20% of 18.79)	3,031.00	CY	$4.54	$13,760.74
Erosion Control	18.79	AC	$352	$6,604.87
Quality Assurance / Control	32.00	HR	$140	$4,480.00
Certification Report	1.00	LS	$3,402	$3,402.00
Original Total:				$64,130.84
TOTAL ESTIMATED POST-CLOSURE CARE COSTS (2-YEAR PERIOD 2):				$128,261.68
TOTAL (adjusted for inflation)				**$132,349.72**

Notes:

Costs are in 2022 dollars. Unit prices based on ArDOT weighted averages and local contractor prices.

Site disposal area = 18.79 ac. Area and volumes are estimates for potential future repairs or reworking.

2025 site conditions include heavy vegetation and no erosion.

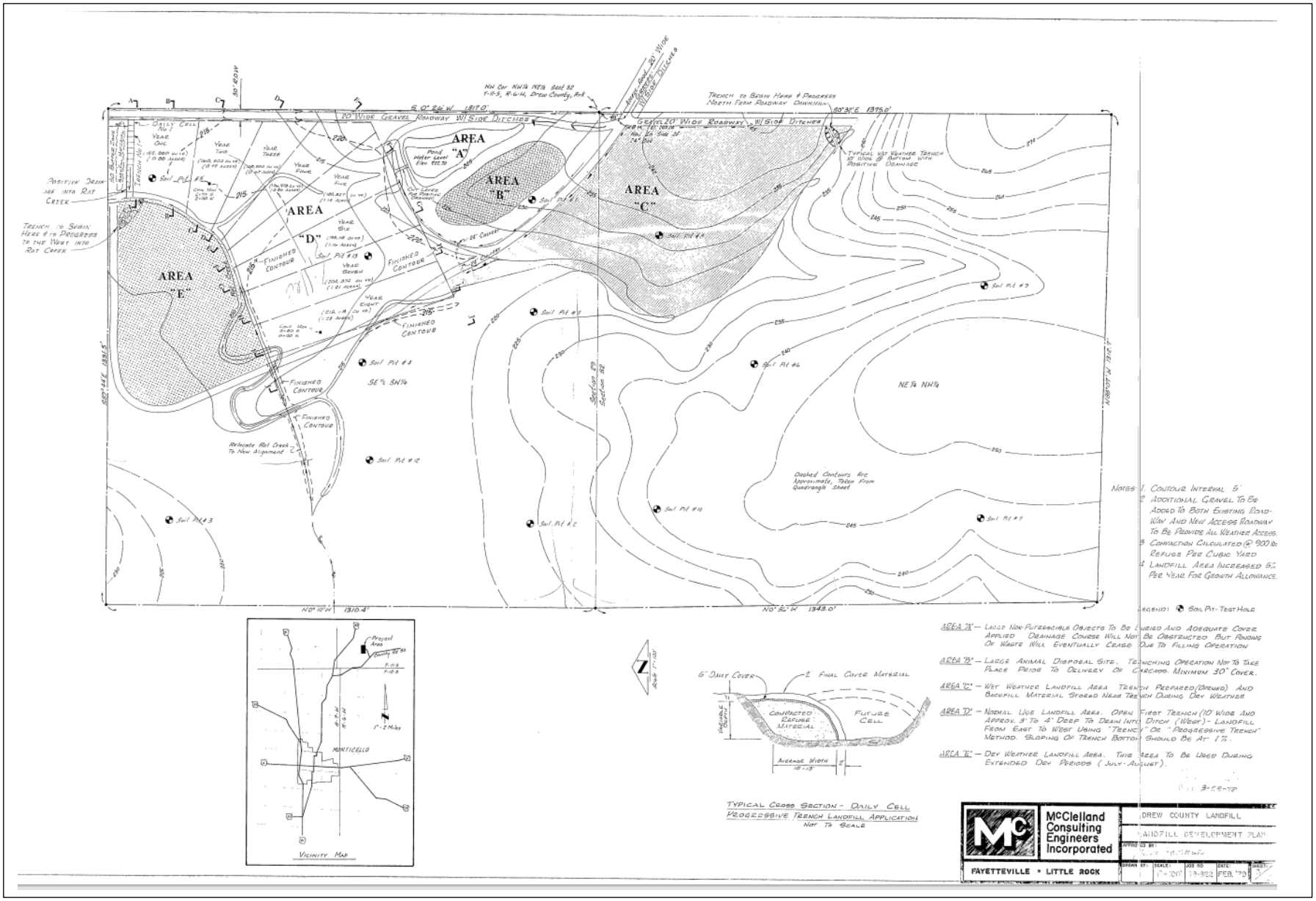
Surface water samples (onsite and offsite) taken Jan 2025 to determine any current impacts from the site.

Post-Closure Cost Estimate Inflation		
Year	**Inflation Factor (%)**	**Adjusted Total Closure Cost**
2022	1.062	$129,624
2023	1.065	$131,004
2024	1.027	$132,350

Appendix D

February 1979 Drew County Class 1 Landfill Plan

Doc. ID #28760


AREA "A"
AREA "B"
AREA "C"
AREA "D"
AREA "E"
20' Wide Gravel Roadway W/ Side Ditches
Gravel 20' Wide Roadway W/ Side Ditches
Typical Wet Weather Trench
Positive Drainage into Rat Creek
Trench to Begin Here & Progress to the West into Rat Creek
Trench to Begin Here & Progress North from Roadway Downhill
Finished Contour
Soil Pit #1
Soil Pit #2
Soil Pit #3
Soil Pit #4
Soil Pit #5
Soil Pit #6
Soil Pit #7
Soil Pit #8
Soil Pit #9
Soil Pit #10
Soil Pit #11
Soil Pit #12
Soil Pit #13
Relocate Rat Creek to New Alignment
Dashed Contours Are Approximate, Taken From Quadrangle Sheet
Section 29
Section 32
SE¼ SW¼
NE¼ NW¼
Vicinity Map
Monticello
Typical Cross Section - Daily Cell
Progressive Trench Landfill Application
Not To Scale
Notes:
1. Contour Interval 5'
2. Additional Gravel To Be Added To Both Existing Roadway And New Access Roadway To Be Provide All Weather Access.
3. Compaction Calculated @ 900 lbs Refuse Per Cubic Yard
4. Landfill Area Increased 5% Per Year For Growth Allowance.
Legend: Soil Pit - Test Hole
AREA "A" — Large Non-Putrescible Objects To Be Buried And Adequate Cover Applied. Drainage Course Will Not Be Obstructed But Refuse Or Waste Will Eventually Cease Due To Filling Operation
AREA "B" — Large Animal Disposal Site. Trenching Operation Not To Take Place Prior To Delivery Of Carcass. Minimum 30" Cover.
AREA "C" — Wet Weather Landfill Area. Trench Prepared (Ground) And Backfill Material Stored Near Trench During Dry Weather
AREA "D" — Normal Use Landfill Area. Open First Trench (10' Wide And Approx. 3' To 4' Deep To Drain Into Ditch ("West") - Landfill From East To West Using "Trench" Or "Progressive Trench" Method. Sloping Of Trench Bottom Should Be At 1%.
AREA "E" — Dry Weather Landfill Area. This Area To Be Used During Extended Dry Periods (July - August).
6' Daily Cover
2' Final Cover Material
Compacted Refuse Material
Future Cell
Average Width
McClelland Consulting Engineers Incorporated
Fayetteville • Little Rock
Drew County Landfill
Landfill Development Plan