

Franklin County C&D Landfill Expansion

TO: Peg Pearson and Jeff Welton, Franklin County, Kansas
FROM: Susan McCart and Tyler Warren, SCS Engineers
SUBJECT: Project Budget
DATE: January 22, 2026

SCS Engineers entered into a contract with Franklin County, Kansas in 2021 for professional services related to the Franklin County Construction and Demolition (C&D) Landfill. These services were primarily related to preparing a permit modification application for submittal to the Kansas Department of Health and Environment (KDHE) to allow expansion of the C&D Landfill. The maximum project budget approved by the County was \$252,000. Two additional cost approvals were authorized by the County for activities performed outside of the approved scope of services: \$22,200 in February 2022 and \$30,435 in June 2022. An approximate \$13,740 reduction to the approved budget was provided in 2022 due to a subcontractor billing error. The resulting total approved budget to date is approximately \$291,000.

During the course of the project execution, some of the proposed tasks were completed for significantly lower costs than anticipated in our proposal, and some additional tasks were requested by the County, or required based on changes to project assumptions and/or scope (such as incorporating the north-adjacent property following its purchase by the County). As agreed upon with the County, SCS performed the additional tasks without requesting additional cost approval, as sufficient project budget was available.

The permit modification application is ready to submit to the KDHE for their review. To date, SCS has invoiced a total of approximately \$264,000; therefore, our remaining budget is approximately \$27,000.

The attached summaries provide an overview of the project timeline, budgets, services, and remaining estimated fees. Please do not hesitate to contact us if you have questions or would like further details.

Thank you,



Tyler Warren
Project Manager



Susan L. McCart, P.E., P.G.
Senior Project Director

slm/tgw

Attachments:

- Project Timeline Summary
- Project Budget Summary
- Additional Professional Services
- Remaining Tasks and Estimate Fees



TIMELINE SUMMARY

Franklin County, Kansas
 C&D Landfill Expansion
 SCS Project Number 27221262.00

-  Proposed
-  Completed
-  Heavy outline indicates work included out-of-scope or extra tasks
-  Remaining work anticipated or potentially anticipated

Tasks	Year 1		Year 2		Year 3		Year 4		Year 5	
	Jul 21 - Jun 22		Jul 22 - Jun 23		Jul 23 - Jun 24		Jul 24 - Jun 25		Jul 25 - Jun 26	
	2021	2022	2023	2024	2025	2026				
Project Management & Meetings	Proposed		Proposed		Proposed		Proposed		Proposed	
Task 1 Develop Landfill Footprint	Completed			Completed						
Task 1.1 (Add Scope 2) North-Adjacent Property Assessment		Completed								
Task 2 MSW Assessment	Proposed	Completed								
Task 3 (includes Add Scope 1) Groundwater Separation Assessment	Proposed	Completed		Completed			Completed			
Task 4 Borrow Soil Evaluation	Proposed									Remaining work anticipated or potentially anticipated
Task 5 Updated Topography & Volume Calculations	Completed		Completed				Completed			
Tasks 6 and 7 Finalize Design, Update Existing Plans, and Permit Modification	Proposed	Completed	Proposed	Proposed	Proposed	Proposed	Proposed	Proposed	Proposed	Remaining work anticipated or potentially anticipated
Task 8 CAPEX Planning			Proposed							Remaining work anticipated or potentially anticipated

BUDGET SUMMARY

Franklin County, Kansas
 C&D Landfill Expansion
 SCS Project Number 27221262.00

Tasks		Total Approved Budget	Total Invoiced (through Dec 2025)	Remaining Budget	Task Status	Comments and Out-of-Scope or Extra Tasks Performed
Project Management, Kick-Off Meeting, and Progress Meetings		\$17,000.00	\$27,755.01	(\$10,755.01)	Ongoing	Original proposal assumed project would be complete in two years.
Task 1	Develop Landfill Footprint	\$10,000.00	\$9,010.00	\$990.00	Complete	Upon acquisition of north-adjacent property, revised the landfill footprint
Task 1.1	North-Adjacent Property Assessment	\$30,435.00	\$8,966.98	\$21,468.02	Complete	Add Scope Task to determine if north-adjacent property would be suitable for use with the landfill
Task 2	MSW Assessment	\$20,000.00	\$6,596.00	\$13,404.00	Complete	---
Task 3	Groundwater Separation Assessment	\$14,460.00	\$32,433.94	(\$17,973.94)	Complete	Additional drilling on north property performed as authorized during June 2023; budget was not increased due to underbudget tasks.
Task 4	Borrow Soil Evaluation	\$25,000.00	\$900.00	\$24,100.00	Potentially Pending	This task originally included evaluating off-site potential borrow sources. With the acquisition and assessment of the north-adjacent property (Task 1.1), this task largely has not been used. However, limited additional geotechnical testing may be requested by KDHE following their review of the permit modification application.
Task 5	Updated Topography & Volume Calculations	\$9,000.00	\$24,161.28	(\$15,161.28)	Complete	Original approval intended for only one year of volume calculations, completed in 2021. As requested by the County, SCS performed volume calculations during two additional years (2022 and 2024). The budget was not increased due to other underbudget tasks.
Tasks 6 & 7	Finalize Design, Update Existing Plans, & Permit Modification Application	\$125,000.00	\$154,434.40	(\$29,434.40)	Ongoing	Permit modification application is ready to submit to KDHE. Original budget was not increased following acquisition of north-adjacent parcel. See attached detail for out-of-scope/extra services performed.
Task 8	CAPEX Planning	\$40,000.00	\$0.00	\$40,000.00	Pending	Task intended to be performed while KDHE reviews the permit modification application or later.
Totals		\$290,895.00	\$264,257.61	\$26,637.39		

ADDITIONAL PROFESSIONAL SERVICES

Franklin County, Kansas
 C&D Landfill Expansion
 SCS Project Number 27221262.00

Tasks	Description of Out-of-Scope/Additional Services Provided
Project Management & Meetings	Additional project management due to longer time for project completion, including additional meetings with County or KDHE.**
Task 1 Develop Landfill Footprint	A revised landfill footprint was developed to incorporate the north-adjacent parcel.**
Task 1.1 North-Adjacent Property Assessment	An assessment of the north-adjacent property included: <ul style="list-style-type: none"> - Wetlands evaluation - Collecting soil samples for geotechnical analysis - Determining the overburden thickness <i>County approved the scope and additional budget for this task in June 2022.</i>
Task 2 MSW Assessment	<i>No additional professional services provided for this task.</i>
Task 3 Groundwater Separation Assessment	Original proposal assumed the existing monitoring wells would be sufficient for demonstrating groundwater separation. However, it was determined additional wells (piezometers) would be needed on the eastern portion of the property. <i>County approved an additional scope and budget for the installation of three piezometers in February 2022.</i> Following acquisition of the north-adjacent parcel, piezometers were needed to evaluate the groundwater separation on the property. Three additional piezometers were installed.**
Task 4 Borrow Soil Evaluation	<i>No additional professional services provided for this task.</i>
Task 5 Updated Topography & Volume Calculations	Two additional volume calculations and landfill capacity evaluations were performed using landfill topography surveys obtained by drone-acquired photographic data (2022 and 2024).**
Tasks 6 and 7 Finalize Design, Update Existing Plans, and Permit Modification	Additional design/permitting services associated with incorporating the north-adjacent parcel included:** <ul style="list-style-type: none"> - Designed new disposal boundary, landfill cells, base grades, top of waste grades, and final cover grades - Developed new perimeter grading - Re-designed perimeter drainage channels and culverts to handle larger volume of stormwater - Located and designed two new stormwater ponds - Designed stormwater infrastructure (terraces, letdowns) - Collected additional survey data - Performed a floodplain fill evaluation and prepared a floodplain fill permit application for future submittal
Task 8 CAPEX Planning	<i>No additional professional services needed for this task.</i>

*** County agreed unused budget in completed or potentially completed tasks (such as Tasks 1.1, 2, and 4) could be utilized for this work.*

Franklin County C&D Landfill Expansion

Remaining Tasks and Estimated Fees

SCS anticipates the following remaining tasks will be completed for the estimated fees summarized below. Work will be completed in accordance with the 2021 proposal; that is on a time and materials basis in accordance with the SCS Fee Schedule rates in place at the time of service (current Fee Schedule is attached).

TASK	ESTIMATED FEE (Remaining Services)
Project Management and Meetings Includes up to two meetings (in-person or virtual)	\$5,000 - \$10,000
Task 1 – Develop Landfill Footprint	----
Task 2 – MSW Assessment	----
Task 3 – Groundwater Separation Assessment	----
Task 4 – Borrow Soil Evaluation	\$8,000 - \$10,000 <i>(potential – may not be needed)</i>
Task 5 – Updated Topography & Volume Calculations	----
Task 6 – Finalize Design and Update Existing Plans and Task 7 – Permit Modification Application Address KDHE comments following their review of permit application and resubmit plans as applicable. File Plat of Survey with the County Register of Deeds and provide filed version to KDHE. Final printing/production of approved plans.	\$5,000 - \$10,000
Task 8 – CAPEX Planning See scope of services below, as presented in 2021 proposal.	\$35,000 - \$40,000 <i>(as approved previously)</i>
Total Remaining Estimate:	\$53,000 - \$70,000
Current Remaining Budget (as of 12/31/2025):	\$27,000

Task 8 – CAPEX Planning

(June 17, 2021 Proposal, Approved by County on June 30, 2021)

As discussed during the County Commissioner’s Study Session on April 19, 2021 and during our meeting on May 4, 2021, planning for Capital Expenditures (CAPEX) will help the County prepare for various construction and operational activities. The purpose of CAPEX planning is to outline future

landfill development in an effort to optimize the overall operation and life cycle of the facility, while also serving as a planning and budgeting tool for the County. SCS will assist the County with preparation of a CAPEX Plan while KDHE BWM is finalizing their review of the permit modification, and/or shortly after the permit modification is processed. The CAPEX Plan will provide a “road map” for future capital and operational changes, and will include timeframes and budgetary capital costs. Items to consider in the CAPEX Plan may include:

- The timing of construction activities and what activities should be considered for the “initial construction” (for example, storm water ponds and perimeter ditches);
- The criteria triggering the need for opening a new cell;
- Development of conceptual intermediate grading plans for subsequent phases. These conceptual plans will not be suitable for construction, but will provide general surfaces for estimating volumes and determining when it may be appropriate to develop certain storm water management structures, or relocating infrastructure, or making other major facility decisions; *[June 2021 proposal included assumption that conceptual intermediate grading plans will be prepared for up to four phases of construction. The plans will not be intended for submittal to the KDHE BWM or considered construction-ready.]*
- The timing for constructing final cover over portions of the landfill;
- Construction budgetary estimates; and
- The need for additional equipment or personnel.

SCS will schedule an initial CAPEX Planning kick-off meeting with the County to discuss and select the basis for the planning, such as forecast timeframes (planning for the next 10 years, 20 years, etc.), and determine appropriate assumptions for budgetary estimating. As the CAPEX Planning progresses, SCS anticipates two to three additional progress meetings will be appropriate. These meetings may be via conference calls, video calls, or in-person, as deemed most beneficial.

We will provide a written/electronic plan that can be considered a “living document”, so the County may update, revise, or expand the plan as actual activities occur.

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