

**MEMORANDUM
WESTERN PLACER WASTE MANAGEMENT AUTHORITY**

TO: **WPWMA BOARD OF DIRECTORS** DATE: **JUNE 17, 2021**
FROM: **KEN GREHM / RYAN SCHMIDT** *RS*
SUBJECT: **PROFESSIONAL SERVICES AGREEMENT WITH GOLDER ASSOCIATES FOR MODULE 6 SOIL EXCAVATION AND LINER DESIGN, AND CQA SERVICES**

RECOMMENDED ACTION:

Authorize the Chair to sign an agreement with Golder Associates, Inc. (Golder) for design and Construction Quality Assurance (CQA) services associated with the development of Module 6 at the Western Regional Sanitary Landfill (WRSL), for an amount not-to-exceed \$696,520.

BACKGROUND:

The Master Fill Sequencing Plan for the WRSL and recent airspace consumption rate projections suggest that landfilling operations may need to move into Module 6 by 2024. To ensure this schedule is met, the WPWMA will need to complete design and obtain regulatory approval in the following two years. In addition, the soil stockpile created during the excavation of Modules 14, 15, 16 and 5 is located on top of the area allocated for construction Module 6. Staff estimates the WPWMA will need to relocate approximately 1.8 million cubic yards of soil to complete construction of Module 6.

Staff requested liner design, soil stockpile relocation design, permitting and construction quality assurance proposals from seven firms on the pre-qualified landfill engineering firm list. Although use of pre-qualified lists is generally limited to contracts valued at \$400,000 or less, the County Purchasing Manager supported using the pre-qualified list instead of conducting a full competitive procurement process given the time constraints of the project and the expectation that the firms most likely to respond are already on the pre-qualified list. Utilizing the pre-qualified list allows staff to start the project approximately four months earlier, offering more time for the anticipated lengthy permitting and excavation processes.

Staff received four proposals and after review determined that Golder Associates, Inc. is the best qualified firm to provide the required services. Golder's proposal demonstrated a thorough understanding of the challenges specific to this project and contained the most comprehensive and well-developed approach to completing the design and construction within the required timeframes. In addition, members of Golder's team have developed familiarity with WPWMA project and performance standards, as well as with the facilities and operations of the site. The final rankings of the firms, as well as the costs to perform the services they proposed, are included as Attachment A to this memorandum.

The attached Scope of Services provides for Module 6 rough grading and stockpile design; soil stockpile CQA services; Module 6 base liner, side-slope liner, and Class 2/Class 3 separation liner design; and base/side-slope liner CQA services. Staff

also negotiated Golder's services to include landfill gas collection system modifications design in the area of the proposed soil stockpile.

ENVIRONMENTAL CLEARANCE:

An Environmental Impact Report (EIR) addressing base liner construction was certified by your Board in August of 1996. A Supplemental EIR addressing increased fill heights was certified by your Board in August of 2000. No further environmental review is required.

FISCAL IMPACT:

The cost of providing the recommended services is \$696,520 and includes the liner leak location survey and landfill gas system design modification options from Golder's proposal, and approximately \$40,000 for additional services that can be later authorized by the Executive Director or designee if deemed necessary and in the best interest of the WPWMA and the project. Sufficient funding is available in the FY 2020/21 to cover this cost.

ATTACHMENT: PROPOSAL SUMMARY
SCOPE OF SERVICES

ATTACHMENT A

MODULE 6 LINER DESIGN AND CQA PROPOSAL SUMMARY

<u>Ranking</u>	<u>Firm Name</u>	<u>Proposed Cost¹</u>
1	Golder Associates	\$601,607
2	Geo-Logic Associates	\$596,475
3	SCS Engineers	\$581,000
4	TetraTech	\$778,683 ²

¹ All costs shown above exclude the leak detection survey services and optional landfill gas system adjustments. The average cost the other firms indicated for such a survey was approximately \$25,000. The value of services proposed was one of thirteen factors used to rank the firms. Proposed costs also do not include additional services offered in the proposal.

² TetraTech included a cost estimate for Construction Management during construction of the Base and Side Slope Liner. This proposed cost does not include the construction management task.

EXHIBIT A SCOPE OF SERVICES

The scope of services shall consist of engineering, permitting assistance, construction quality assurance and related professional services necessary to improve onsite access roads and develop the next landfill filling area, Module 6, as noted below:

BACKGROUND

The primary objective of this project is to prepare for the next phase of filling operations for the Western Regional Sanitary Landfill (WRSL) by constructing Module 6. The Module 6 area is currently occupied by a soil stockpile used for general soil operations at the site. Soil stockpiled in Module 6 needs to be relocated so that rough grading of Module 6 and development of Module 6 can begin.

A secondary objective of this project is to design and prepare excavation bidding documents along with CQA services for the rough grading and relocation of the soil stockpile and native soil currently located in Module 6. According to aerial surveys of the soil stockpile, approximately 1.8 million cubic yards of soil will need to be excavated from Module 6 and relocated. The WPWMA anticipates stockpiling approximately 1.2 million cubic yards of soil over unlined Modules 1, 2, 10 and 11 as depicted in Figure 1, and believes a seismic assessment and permitting approvals will be required to confirm the feasibility of this approach¹. The remaining 600,000 cubic yards may be marketed or used by the construction contractor offsite. The stockpile design will need to address onsite traffic concerns, as the stockpile and Module 6 are separated by paved and unpaved landfill haul roads. The excavation plan also needs to address how perched groundwater will be identified and reported while excavating, and be addressed in the liner design documents.

The scope of services includes the following tasks:

TASK 1: KICKOFF AND MODULE 6 ROUGH GRADING/STOCKPILE DESIGN

The goal of this task is to for Consultant to design, gain regulatory approval for, and support construction bidding for the mass excavation of Module 6 and the stockpiling for the soils. The following describes individual design elements as they pertain to this task and subsequent design:

Review Existing Information –

Consultant shall review the following documents before the kickoff meeting to identify any data or information gaps early in the project:

- Waste Discharge Requirements
- Solid Waste Facility Permit and associated JTD with Fill Sequencing, and Final Grading and Base Grading Plans

¹ Due to the volume of soil being placed on the closed area of the landfill, and according to CCR Title 27 Section 21190, "Construction on the site shall maintain the integrity of the final cover, drainage and erosion control systems, and gas monitoring and control systems," it is WPWMA staff interpretation that seismic stability analyses must be conducted on the proposed stockpile.

- Site-specific Seismic Hazard Report
- Construction Plans, Specifications and Construction Quality Assurance (CQA) Manuals for constructed Modules 5, 15, and 16
- Environmental Impact Report (EIR) for the WRSL current final fill elevations, *WRSL - Year 2000 Operational Changes*
- Conditional Use Permit (CUP)
- Other technical reports that may be available

Project Kickoff Meeting – Once the review is complete, Consultant shall conduct a project kickoff meeting to review the project goals, scope and schedule, provide a whole project schedule and set key milestones, establish roles and responsibilities, establish lines of communication, and establish design criteria. Consultant shall conduct the meeting at the WPWMA administrative offices within five (5) business days of the effective date of this Agreement. Consultant shall provide meeting agendas and minutes. Consultant shall provide the meeting agenda at least one (1) business day in advance of the meeting and draft meeting minutes from the meeting within five (5) business days following the meeting. The agenda for the kickoff meeting shall include project team member introductions, a description of the roles and responsibilities, delineation of the methods and lines of communication, any project safety issues, a review of the scope and schedule of services, and a review of the relevant information the Consultant seeks from the WPWMA. Consultant shall provide final meeting minutes within five (5) business days following receipt of WPWMA comments. Meeting minutes shall list any tasks identified in the meeting as needing completion, who the responsible person(s) is/are, and the due date for completion or anticipated completion date.

Stockpile Geometry Constraints – Consultant shall conduct technical analyses to determine the geometry constraints of the stockpile over the closed portion of the landfill including: settlement of final cover, settlement of the subgrade soils, static and seismic slope stability, waste compression in terms of leachate generation, and confirm final cover settlement does not cause excessive tensile strains. Consultant shall review existing documentation to determine waste filling characteristics within the closed modules. Consultant shall prepare a grading design plan for the soil stockpile based on the constraints determined through calculations/analyses and prepare a technical memorandum presenting the design and constraints for WPWMA review.

Soil Stockpile Management Plan – Consultant shall prepare a soil stockpile management plan including but not limited to: stockpiling on the closed area of the landfill as described above, stockpiling on Module 7, optional stockpiling on the adjacent WPWMA-owned property to the west of the current landfill property, and soil consumption through daily cover use and off-site exports. Consultant shall coordinate with the landfill operator to evaluate daily cover needs and strategic locations for soil stockpiling. Consultant shall prepare a technical memorandum presenting the soil stockpile management plan for WPWMA approval.

Soil Stockpile Regulatory Report – Consultant shall prepare a technical report for submittal to the regulatory agencies that presents the proposed stockpile grading plan over the closed portion of the landfill. The report will include the calculations and analyses presented in the stockpile geometry constraints technical memorandum. Before submittal to the regulatory agencies, WPWMA will review and provide comments on the report, and Consultant shall incorporate comments/edits.

Regulatory Support

Consultant shall provide WPWMA with regulatory assistance throughout the design process and in response to the soil stockpile regulatory report submitted to the regulatory agencies.

Excavation and Stockpile Grading Design – Consultant shall coordinate with WPWMA to address various project controls and administration issues within the project design process including but not limited to: construction traffic routing, traffic safety controls, encouraging of off-site soil exports, and surveying as-builts required to ensure stockpile grading accuracy.

50 Percent Design

Consultant shall prepare a 50 percent design plan set for the excavation and stockpile grading, including: haul routes, temporary surface water controls during excavation/grading, and erosion control. WPWMA will review the 50 percent design plans and will discuss comments and/or edits with the Consultant. Consultant shall prepare an outline for construction specifications and a CQA Manual. Consultant shall prepare an engineer's cost estimate for the excavation and soil stockpile grading construction.

90 Percent Design

Consultant shall refine the construction drawings presented in the 50 percent design plan set. Specifications for the project will be developed to address the technical requirements of the project. Consultant shall prepare specifications in a format consistent with the Construction Specification Institute 16 division system. All components of the construction project shall be covered within the specification sections. Consultant shall prepare and submit 90 percent design plan set to WPWMA for review/comments.

Final Design

Consultant shall incorporate WPWMA comments on the 90 percent plan set and prepare a Final Design Plan set for submittal. Consultant shall prepare final specifications with CQA manual and engineer's cost estimate.

Bid Support – Consultant shall respond to requests for clarification. Consultant shall assist the WPWMA with developing the technical content for addenda and preparing addenda materials as needed. The design engineer shall also attend a pre-bid conference and assist the WPWMA during this meeting with prospective contractors.

Landfill GCCS Modifications Design – Consultant shall prepare a work plan, engineering design, and construction plans/specifications/costs for modifying the existing landfill Gas Collection and Control System (GCCS) and vertical wells to accommodate stockpile construction. Consultant shall review stockpile grading and landfill GCCS record drawings, along with current site topography, to define GCCS locations requiring modification. Consultant shall identify existing Landfill Gas (LFG) components that could be decommissioned. Consultant shall design realignments of headers, sub-headers, and lateral piping to reduce the impact of stockpile settlement. Consultant shall design protective modifications for existing well casings if wells are to remain and final cover interface, and relocation of LFG well heads outside of the proposed stockpile footprint and replacement well design, whichever would best control LFG.

Task 1 Deliverables and Schedule:

Deliverable	Schedule**	Format
Kickoff Meeting Agenda	Within 5 days of Agreement execution	Email
Kickoff Meeting Minutes	Within 5 days of kickoff meeting	PDF
Geometry Constraints TM	Within 20 days of Agreement execution	
Soil stockpile Management Plan	Within 15 days of completion of Geometry Constraints Approval	
Soil Stockpile Regulatory Report	Within 25 days of soil stockpile management plan approval	
50% Design Plans	Within 30 days of regulatory report approval	PDF, .dwg
Draft Construction Specifications and CQA Plan		PDF
Draft Engineer's Cost Estimate		
90% Design Plans and Construction Documents	Within 15 Days of 50% Design Plan set approval	PDF, .dwg
Final Plan Set	Within 10 days of 90% Design Plan set approval	
Final Specifications with Bid Package and CQA Manual		
Final Engineer's Cost Estimate		
50% Landfill GCCS Modification Plan	Within 30 days of regulatory report approval	PDF, .dwg
90% Landfill GCCS Modification Plan	Within 15 Days of 50% Design Plan set approval	PDF, .dwg
Final Landfill GCCS Modification Plan	Within 10 days of 90% Design Plan set approval	PDF, .dwg

**All days refer to business days

TASK 2: STOCKPILE CONSTRUCTION QUALITY ASSURANCE

The goal of this task is for the Consultant to provide Construction Quality Assurance (CQA) services for the rough excavation of Module 6 and the construction/grading of the soil stockpile. CQA services include but are not limited to:

- Verifying landfill GCCS modifications are completed prior to stockpiling and protected from damage during stockpiling
- Verifying that the contractor’s equipment and activities do not cause damage to the final cover through rutting or unplanned excavations and trenching
- Verifying that the stockpile grading complies with the design
- Noting and observe any occurrence of groundwater seepages during module 6 excavation
- Documenting and reporting construction activities

Geologic Mapping of the Module 6 Subgrade – Consultant shall map the western side slope of Module 6 to identify soil layers and their tendencies to lead to perched groundwater seeps. Information gathered during mapping shall be applied to base liner design considerations in order to maintain landfill and groundwater separation. Consultant shall prepare subgrade geologic mapping under the supervision of a California registered Professional geologist or Certified Engineering Geologist, visiting the site four (4) times during key excavation points to collect soil and seep information.

Construction Support – Consultant shall review submittals, requests for information, and change orders as necessary to provide feedback to the contractor and WPWMA during construction. Consultant shall provide feedback within 5 working days of the original request. Consultant shall have a representative attend one preconstruction meeting, all weekly construction meetings, and a final punchlist meeting.

Construction Documentation/CQA Report – Consultant shall prepare a construction documentation report summarizing the construction activities. The construction documentation will include all field-testing activities during construction. The report shall include a pre-stockpiling topography and final topography as-built, provided by the contractor’s survey team. Consultant shall prepare a 90% Construction Documentation/CQA Report for WPWMA review and approval, and one Final Construction Documentation/CQA Report.

Task 2 Deliverables and Schedule:

Deliverable	Schedule**	Format
Geologic Map of Module 6 Subgrade	Within 2 days of the completion of Module 6 excavation	PDF
90% Construction Documentation/CQA Report	Within 15 days of the completion of Module 6 excavation	
Final Construction Documentation/CQA Report	Within 15 days of WPWMA review of 90% Construction Documentation/CQA Report	

**All days refer to business days

TASK 3: MODULE 6 LINER DESIGN

The goal of this task is for the Consultant to design a liner system that complies with the site's Waste discharge Requirements (WDRs), complies with state minimum standards for landfill base liners, and addresses historical modifications needed at the Western Regional Sanitary Landfill. The liner design shall apply to the base liner for Module 6, the side-slope liner for Module 6, and the separation liner between Module 6 and Module 12. The following describes individual design elements as they pertain to this task and subsequent design:

Perched Groundwater Mitigation Options – Consultant shall review the Geologic Map of Module 6 Subgrade to determine whether perched groundwater conditions are present or likely, and if necessary, review options for mitigating perched groundwater occurrence. If perched groundwater conditions are present or considered likely to occur, Consultant shall consider the following mitigation options:

- A localized extraction system consisting of shallow extraction wells or an extraction trench located outside of but adjacent to Module 6
- A localized blanket drain (geocomposite with gravel sump) constructed on the side slope beneath the liner system

Once a mitigation option has been selected, Consultant shall conduct a site meeting with the RWQCB to review findings and determine the mitigation approach that will be used going forward.

Liner Design – Consultant shall prepare a complete liner design that includes the following elements: supporting engineering calculations, construction drawings, construction specifications, and a CQA plan. Consultant shall prepare a final design report for submittal to regulatory agencies. The following individual elements will make up the design report:

Engineering Calculations

Consultant shall conduct engineering calculations that include but are not limited to the following:

- **Drainage Analysis** – Consultant shall review existing drainage analyses performed for the site. Consultant shall use a 1000-year, 24-hour storm duration for drainage design. Drainage design shall also include calculations associated with erosion control for Module 6 and surrounding disturbed areas.
- **Slope Stability Analysis** – Consultant shall perform static and seismic slope stability analysis for the critical waste slope in Module 6. The focus of the slope stability analysis shall be to estimate the minimum shear strength required within the liner system to meet the minimum static and seismic design criteria. A minimum factor of safety of 1.5 shall be used for the static analysis. The seismic

criterion is a maximum allowable permanent displacement of 12 inches for the design Maximum Credible Earthquake.

- LCRS Capacity – Consultant shall verify the LCRS banket layer and LCRS pipes have adequate capacity and meet Title 27 requirements.
- Subgrade Settlement – Consultant shall use the consolidation tests included in the Joint Technical Document to estimate post-settlement grades and verify there will be positive post-settlement drainage and sufficient hydraulic capacity in the LCRS.
- Leachate clog test system – Consultant shall design a system and methodology to annually test the leachate system to verify it maintains adequate drainage and collection of leachate.

50 Percent Design

Consultant shall prepare construction documents addressing various project controls and administration issues. Consultant shall coordinate with WPWMA to determine project controls. Anticipated project controls and administration issues may include but are not limited to the following: construction traffic routing, access road construction, surveying as-builts, and various elements necessary to comply with Title 27 regulations. Consultant shall submit a 50% draft design plan set to WPWMA for review, including: the design report, construction specifications/CQA Plan, and engineer's cost estimate.

90 Percent Design

Consultant shall revise construction documents prepared for the 50% design according to WPWMA comments/review. Specifications for the project shall be developed to address the technical requirements of the project. Consultant shall prepare specifications in a format consistent with the Construction Specification Institute 16 division system. All components of the construction project shall be covered within the specification sections.

Final Design

Consultant shall incorporate WPWMA comments on the 90% design to prepare a final design plan set including: final plan drawings, final construction specifications/CQA plan, and final engineer's cost estimate. All documents shall be prepared for submittal to the appropriate regulatory agencies

Regulatory Support – Consultant shall provide WPWMA with support in the form of regulatory meeting attendance and correspondence based on regulatory agency response to the submitted final design.

Bid Support - During the bidding process, Consultant shall post construction documents and respond to requests for clarification. Consultant shall assist the WPWMA with issuing addenda and preparing addenda materials as needed. Consultant shall attend a pre-bid conference and assist the WPWMA during this meeting with prospective contractors.

Task 3 Deliverables and Schedule:

Deliverable	Schedule**	Format
50% Design Plans	By April 15, 2022	PDF, .dwg
50% Construction Specifications/CQA Plan		PDF
Draft Engineer's cost estimate		
90% Construction Documents	Within 15 days of WPWMA review of 50% design documents	PDF, .dwg
Final Design Plans	Within 15 days of WPWMA review of 90% design documents	
Final Construction Specifications/CQA Plan		PDF
Final Engineer's Cost Estimate		

**All days refer to business days

TASK 4: MODULE 6 LINER CONSTRUCTION QUALITY ASSURANCE

The goal of this task is for the Consultant to provide Construction Quality Assurance (CQA) services for the final grading, base liner, side-slope liner, and separation liner construction of Module 6. CQA services include but are not limited to observing the following:

- Material delivery and unloading
- Material placement and seaming
- Non-destructive testing of seams
- Any repair operations
- Subgrade preparation
- Side slope liner installation
- Double composite liner geosynthetics installation
- Gravel drainage layer construction
- Landfill leachate collection system piping installation
- Geotextile filter installation
- Soil operations layer construction
- Landfill gas system connections

CQA services include but are not limited to performing the following:

- Haul road compaction testing
- Verifying material thickness and surface defect examination
- Sampling for quality control tests
- Qualifying welding equipment using daily trial welds
- Sampling geomembrane for destructive tests
- Noting repairs

Samples for geomembrane destructive tests shall be shipped overnight to the geosynthetics laboratory in Atlanta, GA. Daily testing reports shall be submitted by the Consultant weekly.

Consultant field testing shall follow the schedule and frequency below:

Soil Test	Road Construction		Gravel Drainage Layer	
	Conformance	Construction	Conformance	Construction
Unified Soil Classification ASTM D2487,88	1/10,000 cy		1/10,000 cy	1/5,000 cy
Moisture Density Compaction Curve ASTM D1557	1/10,000 cy			
Particle Size Analysis ASTM D422	1/10,000 cy		1/10,000 cy	1/5,000 cy
Permeability ASTM D 2434 or 5084			1/10,000 cy	1/5,000 cy
Nuclear Density ASTM D6938		1/1,000 cy		

Soil Test	Base Operations Layer		Earthfill	
	Conformance	Construction	Conformance	Construction
Unified Soil Classification ASTM D2487,88	1/10,000 cy	1/10,000 cy	1/10,000 cy	1/10,000 cy
Moisture Density Compaction Curve ASTM D1557				
Particle Size Analysis ASTM D422	1/10,000 cy	1/10,000 cy	1/10,000 cy	1/5,000 cy
Permeability ASTM D 2434 or 5084				
Nuclear Density ASTM D6938				1/1,000 cy

Soil Test	Subgrade Preparation	
	Conformance	Construction
Unified Soil Classification ASTM D2487,88	1/10,000 cy	1/10,000 cy
Moisture Density Compaction Curve ASTM D1557		
Particle Size Analysis ASTM D422	1/10,000 cy	1/10,000 cy
Permeability ASTM D 2434 or 5084		
Nuclear Density ASTM D6938		1/1,000 sf

Construction Support – Consultant shall review submittals, requests for information, and change orders as necessary to provide feedback to the contractor and WPWMA. Consultant shall review and provide written response within five working days of the request. Consultant shall attend weekly construction meetings during liner construction/installation. Consultant shall also attend one pre-construction meeting prior to liner installation.

Leak Detection Survey – Consultant shall contract with a liner leak detection subconsultant to perform a liner Leak Detection Survey (Leak Survey) to certify that the base and side slope liners do not leak. Consultant shall conduct the Leak Survey according to ASTM D7007 with a safety factor to ensure overlap with the given survey line spacing.

Consultant shall walk linear transects with the survey probe on top of the properly moisture conditioned soil medium overlying the liner system, taking measurements to determine the presence of electrical anomalies. Consultant shall download recordings to a computer for storage, plotting, and analysis for smaller leak signals. Consultant shall also make additional measurements to verify suspected leak signals and to pinpoint the leak positions. Consultant shall identify and mark such anomalies in the liner with paint to approximately 1/4 of an inch. The suspected leaks shall be excavated by the construction contractor and electrically isolated from the earth materials on the geomembrane. Then Consultant shall make additional measurements in the area to determine if there are additional nearby leaks.

The general results of the survey shall be reported to a designated representative of Consultant during the daily progress of the field work. A list of the locations of the leaks found shall be submitted to the representative after completion of the field work and before the Leak Survey personnel leave the site. Consultant shall submit a Leak Detection Survey letter report at the conclusion of the Leak Survey.

CQA Report – Consultant shall prepare a comprehensive CQA report for the landfill base liner, side slope liner, and separation liner construction. The CQA report shall include but is not limited to the following:

- Tables and illustrations
- Introduction
- Project overview
- Soil components
- Geosynthetic components
- Other landfill components
- Design and CQA modifications (if any)
- Conclusions (including a certification statement)
- References
- Appendices (conformance test results, certificate of acceptances, manufacturing information, summaries of geosynthetic received/place/seamed/repared, and record drawings)

Consultant shall prepare a 90% CQA Report for WPWMA review. After WPWMA, Consultant shall prepare a final CQA Report.

Task 4 Deliverables and Schedule:

Deliverable	Schedule**	Format
Daily CQA testing results	Submitted on a weekly basis throughout liner construction/installation	PDF
Leak Detection Letter	Within 5 days of receipt of Leak Detection Survey results	
90% CQA Report	Within 15 days of liner construction/installation completion	PDF, .dwg
Final CQA Report	Within 15 days of WPWMA review of 90% CQA report	

**All days refer to business days

TASK A1: ADDITIONAL SERVICES

This Agreement allows for Additional Services subject to the prior written approval from the WPWMA Executive Director or designee up to a maximum amount of forty thousand no/100 dollars (\$40,000.00). The total amount payable for all services provided under this Agreement, including additional services, shall not exceed the cost allocated in Exhibit B. The services included in this task are not currently identified. Any approved Additional Services and costs shall be appended to this Agreement and such work shall be subject to all of the provisions of this Agreement.

GENERAL ASSUMPTIONS OF THIS SCOPE OF WORK

- Consultant’s task budgets are based on responding to a single round of review comments on draft work products. The WPWMA and the Consultant shall use the Comment Matrix Table provided by the WPWMA to document all comments and comment responses. The WPWMA shall list the commenter’s name, the page or sheet number, and an explanation of the comment. The Consultant shall respond by noting in the Comment Matrix Table if the comment was accepted, rejected or modified and what its rationale was for so doing;
- Electronic (.pdf) submittals shall be compiled and submitted as a single, indexed file unless otherwise requested herein;
- Should the WPWMA request additional services not identified herein, or should services of greater scope or depth than identified and budgeted herein be required, Consultant shall notify the WPWMA and shall submit a supplemental proposal for additional services prior to starting work;
- Consultant shall prepare and submit requests for any changes in scope, release of engineering contingency, or for amendments to the Agreement; and
- Consultant shall administer and supervise the work of all subconsultants it contracted for project work.

**EXHIBIT B
PAYMENT FOR SERVICES RENDERED**

Payment to Consultant shall be made by the WPWMA on an hourly basis in accordance with the schedule attached hereto as Exhibit B-1.

Consultant shall submit invoices monthly for work performed. Such invoices shall describe in detail the work and work hours performed, the person(s) performing the work, his/her hourly rate, and the expenses for which reimbursement is claimed. The invoices shall also include a spreadsheet that shows task budgets, charges by task for the current invoice, cumulative charges to date by task, and percent of budget remaining by task. Hourly time shall be stated in increments of no less than one-quarter (1/4) of an hour.

Provided the work has been satisfactorily performed, the WPWMA shall pay invoices within thirty (30) days after approval of the invoice. Consultant shall provide such additional information as the WPWMA may request to verify any of the amounts claimed for payment in any invoice. Consultant shall not exceed the individual task budgets set forth in Exhibit B-1. Such task budgets may be formally amended by written agreement of Consultant and the WPWMA Executive Director or designee. The total amount payable for all services provided under this Agreement shall not exceed **six hundred ninety-six thousand, five hundred twenty dollars (\$696,520)**.

Table 1: Not-To-Exceed Task Budgets

Task	Description	Not-to-Exceed Task Budget
1	Module 6 Rough Grading and Stockpile Design	\$102,539
2	Soil Stockpile Construction Quality Assurance	\$163,108
3	Module 6 Base Liner Design	\$76,364
4	Base Liner Construction Quality Assurance	\$314,509
A1	Additional Services	\$40,000
Total		\$696,520

The WPWMA may, in its sole discretion, withhold up to ten percent (10%) of any payment as security for the completion of the work. Within thirty (30) days after approval of Consultant's final invoice, and provided all services have been satisfactorily completed, the WPWMA shall release and pay any withheld retention.

EXHIBIT B-1

SCHEDULE OF CHARGE RATES

Billing Level	Labor Category	Hourly Rates	
			2021
C8	Senior Practice/Program Leader	\$	250
C7	Practice/Program Leader	\$	220
C6	Senior Consultant	\$	200
C5	Senior Engineer/Scientist	\$	190
C4	Senior Project Engineer/Scientist	\$	140
C3	Project Engineer/Scientist	\$	130
C2	Staff Engineer/Scientist	\$	115
C1	Engineer/Scientist	\$	95
T2	Senior Technician	\$	95
D1	Staff Draftsperson	\$	90
T1	Staff Technician	\$	95
B1	Senior Admin Support	\$	75

Hourly billing rates include postage and telephone charges that are normal to the work authorized. Other direct costs for travel, reproduction, mail service, outside services, etc. shall be invoiced at 105 percent of the actual cost. Hourly rates listed above are effective from January 1, 2021 through December 31, 2021. Consultant may submit another rate schedule for subsequent years but is limited to the task budgets noted in Exhibit B.

Invoices from Consultant include all labor charges, other direct costs, and costs associated with in-house services. Charges include only those services directly attributable to the execution of the work. Time spent when traveling in the interest of the work shall be charged in accordance with the hourly rates. Rates for Professional services related to expert testimony, including time spent in depositions and the preparation and presentations of testimony, are available upon request.

An Office Service Fee for direct project non-labor office costs including mail, telephone, fax transmissions, personal computers as well as reasonable and customary in-house photocopying shall be billed at a minimum of 7% of the total labor fees. This Office Service Fee does not include CAD/GIS computers, color photocopies, outsourced photocopies/reproductions or drawing reproduction. These services shall be billed at the following rates:

Service	Rate
CAD/GIS Computers	\$20.00/Hour
Color Photocopies	\$0.20/Page
Color Plotter (D&E Size)	\$5.00/sq-ft

The following notes apply to the price lists for geotechnical, aggregate and geosynthetic materials testing:

1. Rates are based on the information received at the time of quotation and the laboratory's interpretation (any modifications of the above methods may affect the rates).
2. Sample Storage Policy: All samples will be disposed of thirty (30) days after submission of the test results unless otherwise stated in a written request to the Laboratory. Consultant shall charge a storage fee after the 30 days, or return samples to client at the clients expense. See Note 4.
3. Please call regarding turnaround times. Turnaround times are affected by the combinations of multiple tests, samples, materials, and projects.
4. Rates are based on testing clean uncontaminated soil/sediment materials. If contaminated, prior arrangements need to be made in regards to health & safety procedures and a 1.5 time the unit rate will be assessed. Disposal fees are not included in the 1.5 times unit rate and will be extra.
5. The below unit prices are for single tests only and do not reflect any volume discounts.

GEOTECHNICAL MATERIALS TESTING PRICE LIST 2021

Test Procedure	Test Method	Unit Price
Moisture Content (oven)	ASTM D216*	\$10
Moisture Content (microwave)	ASTM D4643	\$13
Visual-Manual Classification	ASTM D2488*	\$11
Unit Weight & Moisture from a Tube Sample	ASTM D2937 (modified)	\$31
Atterberg Limits (LL,PL,PI, LI) (Method A)	ASTM D4318 (2)*	\$88
Atterberg Limits (LL,PL,PI, LI) (Method B)	ASTM D4318 (2)*	\$69
Carbonate Content (aggregates)	ASTM D3042	\$215
Carbonate Content (soils)	ASTM D4373	\$60
Crumb Test (dispersive days)	ASTM D6572	\$47
Double Hydrometer (dispersive days)	ASTM D4221	\$210
Pinhole Dispersion Test	ASTM D4647	\$255
Specific Gravity	ASTM D854	\$47
Organic Content	ASTM D2974, C40	\$42
Resistivity	ASTM G57	\$90
pH Determination	ASTM D1293, D4972	\$41
Sieve Analysis (3" - #200)	ASTM D6913	\$87
Sieve Analysis with Hydrometer	ASTM D422 (2)*	\$106
Sieve Analysis (passing #200 only)	ASTM D1140	\$43
Standard or Modified Proctor	ASTM D698, D1557 (2)*	\$132
Permeability Test (granular soils) C(<0.75 inches max diameter)	ASTM D2434*	\$172
Permeability Test (granular material) C(>0.75 inches max diameter)	ASTM D2434	\$281
Permeability Test (flexible wall) (Method C)	ASTM D5084 (1)*	\$309
Permeability Test (flexible wall) (Method D)	ASTM D5084 (1)*	\$304

Test Procedure	Test Method	Unit Price
Permeability Test (GCL) (flexible wall) (Method D)	ASTM D5887*	\$304
Consolidation (one-dimensional)	ASTM D2435 (1)*	
a. Method A: standard load unload to 1 ksf (mutually agreed load times (i.e. 8 loads & unloads at 24 hours each = 16 days))		\$800-\$1600
b. Method B: standard load increment		\$550
c. each additional load increment		\$67
d. each additional rebound cycle		\$105
Swell or Settlement of Cohesive Soils	ASTM D4546	
a. method A or B		\$240
b. method C		\$550
Unconfined Compression Test	ASTM D2166*	
a. peak only		\$67
b. with stress/strain curve		\$139
TRIAXIAL U/U (3 specimens)	ASTM D2850 (1)*	\$650
TRIAXIAL C/U (3 specimens)	ASTM D4767 (1)	\$1,150
TRIAXIAL C/D (3 specimens)	EM 1110-2-1906 App.X (1)	\$1,325
TRIAXIAL C/U (3 specimens)	ASTM D4767	\$825
Direct Shear C/D (3 specimens)	ASTM D3080*	\$650
California Bearing Ratio Test	ASTM D1883*	\$495
a. one pt. specified density		\$195
b. dry punch (per pt.)		\$93

*Tests are accredited by the American Association of State Highway and Transportation Officials (AASHTO) or by the Geosynthetic Accreditation Institute (GAI).

(1) ASTM D5084, D2850, D4767, D2435, D3080 & E1110-2 includes assumed specific gravity, unit weight/moisture content, tube extraction or remold at no additional charge, if requested.

(2) Includes oven moisture content (ASTM D2216).

**AGGREGATE MATERIALS TESTING
PRICE LIST 2021**

TEST PROCEDURE	TEST METHOD	UNIT PRICE
Bulk Density (Unit Weight) and Voids in Aggregate	ASTM C29	\$75
Compression of Concrete Cylinders	ASTM C39	\$18
Organic Impurities in Fine Aggregates for Concrete	ASTM C40	\$42
Soundness of Aggregates by Use of Magnesium Sulfate	ASTM C88	\$405
Materials finer than No. 200 Sieve by Washing	ASTM C117*	\$43
Specific Gravity and Absorption of Coarse Aggregate	ASTM C127	\$47
Specific Gravity and Absorption of Fine Aggregate	ASTM C128*	\$47
LA Abrasion – Small-Size Coarse Aggregate	ASTM C131	\$205
Sieve Analysis of Fine Aggregates	ASTM C136*	\$87
Sieve Analysis of Coarse Aggregates (>3/4")	ASTM C136*	\$108
Clay Lumps and Friable Particles in Aggregates	ASTM C142	\$64
LA Abrasion – Large-Size Coarse Aggregate	ASTM C535	\$255
Permeability of Granular Soils	ASTM D2434	\$172-\$281
Insoluble Residue in Carbonate Aggregates	ASTM D3042	\$215
Large Scale Direct Shear	ASTM D3080/D5321*	\$225-\$350/pt
Flat and Elongated Particles in Coarse Aggregate	ASTM D4791	\$75
Sand Equivalent	ASTM D2419	\$102
Angularity of Aggregate Particles with Sieve	ASTM D2488	\$102
Point Load (per break)	ASTM D5731	\$18
Sample Preparation/Rock Crushing	Hourly Rate	\$60

*Tests are accredited by the American Association of State Highway and Transportation Officials (AASHTO) or by the Geosynthetic Accreditation Institute (GAI).

**GEOSYNTHETIC MATERIALS TESTING
PRICE LIST 2021**

TEST PROCEDURE	TEST METHOD	SPECIMENTS	UNIT PRICE
Apparent Opening Size	ASTM D4751*	5	\$115
Asperity Height	GRI GM 12	10	\$31
Burst Strength, Mullen	ASTM D3786*	10	\$51
Ball Burst Strength	ASTM D3787	5	\$51
Carbon Black Content	ASTM D1603*	2	\$46
Carbon Black Dispersion	ASTM D3015/2663*	6	\$46
Carbon Black Dispersion	ASTM D5596*	10	\$46
Compression – core	ASTN D1621	5	\$84
Density/Specific Gravity	ASTM D792/D1505*	3	\$36
Dimensional Stability	ASTM D1204*	2	\$57

TEST PROCEDURE	TEST METHOD	SPECIMENTS	UNIT PRICE
Direct Shear (Interface testing) (15 min – 24 hr)(0.04 ipm)	ASTM D5321*	1-POINT	\$195-\$350
Direct Shear (GCL Internal) (15 min – 24 hr) (0.2-0.04ipm)	ASTM D6243*	1-POINT	\$225-\$350
Environmental Stress Crack	ASTM D1693*	10	\$84
Fluid Loss (GCL – Bentonite)	ASTM D5891*	2	\$58
Free Swell	GRI GCL 1 (3)	1	\$58
Free Swell	ASTM D5890*	1	\$58
Grab Strength and Elongation	ASTM D4632*	20 (10MD, 10TD) (1)	\$51
Hardness (Durometer)	ASTM D2240*	5	\$40
Mass Per Unit Area	ASTM D5261*	10	\$24
Mass Per Unit Area (GCL)	ASTM D5993* (3)	5	\$58
Melt Flow Index	ASTM D1238*	2	\$41
Moisture Content (Oven)	ASTM D2216*	5	\$29
Moisture Content (Microwave)	ASTM D4643	5	\$58
Peel Adhesion (single-sided)/(double-sided)	ASTM F904 mod.*	5/10	\$35/\$65
Peel Adhesion (GCL)	ASTM D6496	5 (MD only)	\$51
Percent Open Area (POA)	CW 2215	5	\$54
Permittivity/Permeability	ASTM D4491*	4	\$105
Permeability (GCL)	ASTM D5887, Meth D*	1	\$304
Puncture Resistance	ASTM D4833*	15	\$51
Puncture Resistance	FTMS 101C*	5	\$51
Puncture – CBR	ASTM D6241*	10	\$135
Seam Peel/Shear	ASTM D4437*	10	\$34
Seam Peel/Shear	ASTM D6392	10	\$34
Seam Geotextiles	ASTM D4884*	6	\$84
Soil Burial	ASTM D3083* (2)	10	\$150
Tear Resistance	ASTM D1004*	20 (10MD, 10TD) (1)	\$51
Tensile Properties (2 in/min) GM 13 modified	ASTM D638*	10 (5MD, 5TD) (1)	\$63
Tensile Properties	ASTM D6693	10 (5MD, 5TD) (1)	\$63
Tensile Properties	ASTM D7275	10 (5MD, 5TD) (1)	\$63
Tensile Properties/Geogrid	ASTM D4595*	5	\$145

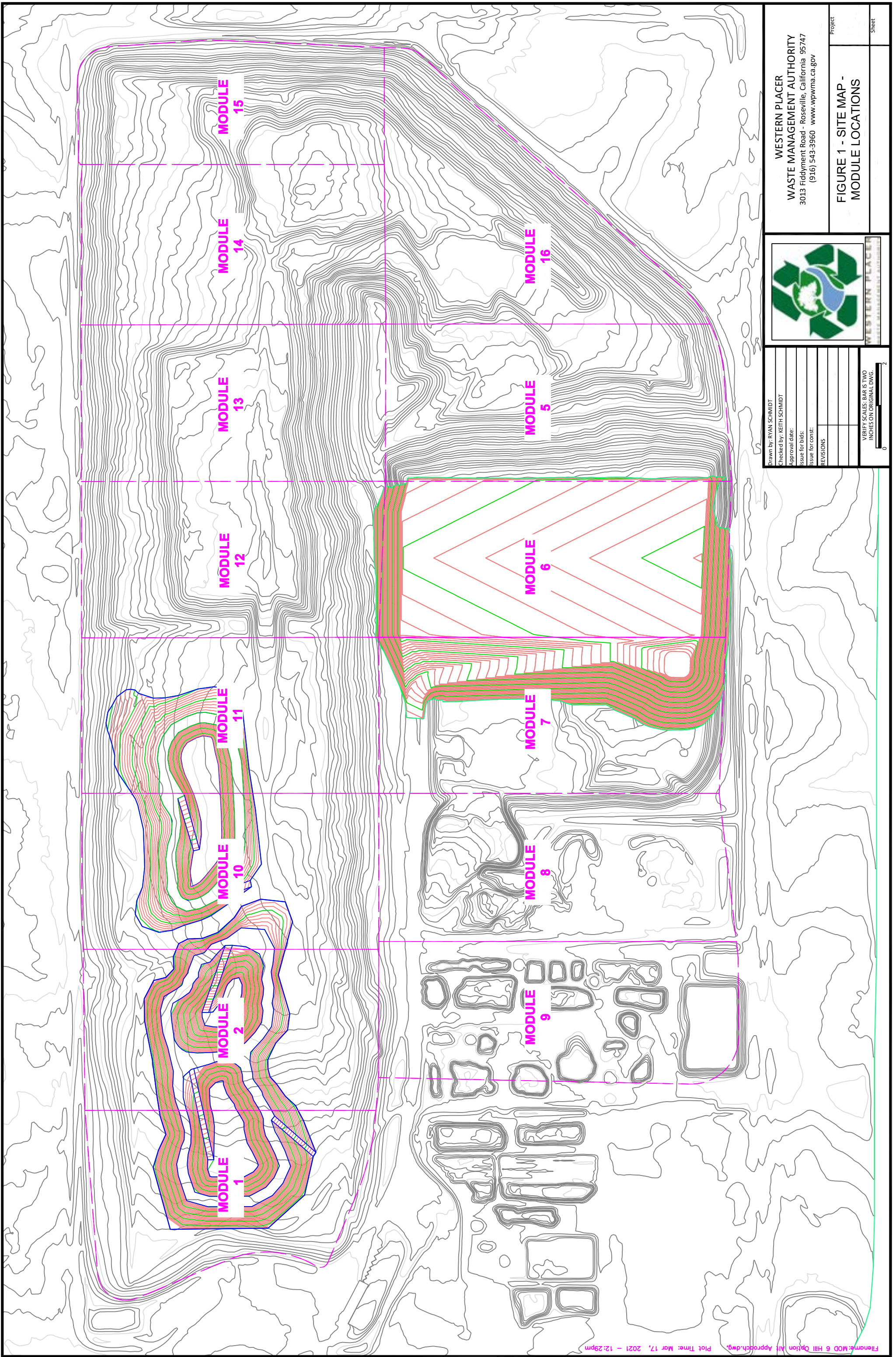
TEST PROCEDURE	TEST METHOD	SPECIMENTS	UNIT PRICE
Tensile Properties/Geonet	ASTM D5035	10 (5MD, 5TD) (1)	\$63
Tensile Properties/PVC	ASTM D882*	10 (5MD, 5TD) (1)	\$63
Tensile Properties/GCL	ASTM D6768*	5 (5MD only (1)	\$51
Thickness	ASTM D1593/D1777/D5199/D5994*	10	\$23
Transmissivity (depends on test setup & conditions)	ASTM D4716	2	\$100-\$320
Trapezoidal Tearing Strength	ASTM D4533*	20 (10MD, 10TD) (1)	\$51
Volatile Loss	ASTM D1203*	3	\$57
Water Absorption	ASTM D570*	4	\$57
Water Extraction	ASTM D1239	4	\$57
Wide Width Strip Tensile	ASTM D4885*	12 (6MD, 6TD) (1)	\$4,200
Wide Width Strip Tensile	ASTM D4595*	12 (6MD, 6TD) (1)	\$250

*Tests are accredited by the Geosynthetic Accreditation Institute (GAI) or by American Association of State Highway and Transportation Officials (AASHTO).

(1) MD-Machine Direction, TD-Transverse Direction

(2) The price for soil burial does not include the price for the tensile test specified.

(3) Includes moisture content ASTM D2216.



Filename: MOD 6 Hill Option_Mit Approach.dwg, Plot Time: Mar 17, 2021 - 12:29pm

Drawn by: RYAN SCHMIDT
 Checked by: KEITH SCHMIDT
 Approval date:
 Issue for bids:
 Issue for const:

REVISIONS	DATE	BY	DESCRIPTION

VERIFY SCALES: BAR IS TWO INCHES ON ORIGINAL DWG.

0 2



**WESTERN PLACER
 WASTE MANAGEMENT AUTHORITY**
 3013 Fiddymont Road - Roseville, California 95747
 (916) 543-3960 www.wpwma.ca.gov

**FIGURE 1 - SITE MAP -
 MODULE LOCATIONS**

Project _____
 Sheet _____

**MEMORANDUM
WESTERN PLACER WASTE MANAGEMENT AUTHORITY**

TO: **WPWMA BOARD OF DIRECTORS**

DATE: **JUNE 17, 2021**

FROM: **KEN GREHM / ERIC ODDO** 

SUBJECT: **FISCAL YEAR 2021/22 PRELIMINARY BUDGETS**

RECOMMENDED ACTION:

Approve the Fiscal Year 2021/22 Preliminary Budgets for the Operating Fund, Closure/Postclosure Fund, Self-Insurance Fund and Odor Management Fund as presented in Exhibits A, B and C.

BACKGROUND:

The WPWMA operates within four budgets:

1. The **Closure/Postclosure Fund**, whose purpose is to ensure adequate funding for corrective action, final closure and post-closure monitoring and maintenance of the landfill.
2. The **Self Insurance Fund**, which was established to cover expenses from claims, lawsuits and damage assessments against the WPWMA.
3. The **Odor Management Fund**¹, which covers expenses related specifically to odor related monitoring, management, and public outreach.
4. The **Operating Fund**, which covers all other expenses of the WPWMA, including our operating agreements with Nortech Waste, LLC and Nortech Landfill, Inc.

The attached Preliminary Budgets (Exhibits A through C) are based on current estimates of FY 2020/21 fund balances. Staff will request Board approval of Final Budgets after the close of Fiscal Year 2020/21.

The Preliminary Budgets were developed based on the Financial Forecast (Exhibit D) and the following key assumptions:

1. Tipping Fee Structure – At the March 11, 2021 meeting, your Board approved an increase to tipping fees effective July 1, 2021 to help offset anticipated future capital and operating costs associated with compliance with SB 1383. Based on the projected tonnages for FY 2020/21, staff estimates the fee increase will result in approximately \$10,800,093 in additional revenue.

¹ Odor management costs are technically included in the Operating Fund. Staff are presenting these odor-related costs and revenues as a separate “fund” solely for the purposes of transparency and clarity as it relates to the WPWMA’s ongoing efforts related to facility related odors.

2. Tonnage – 522,313 total tons accepted, composed of mixed solid waste, sludge, green waste, food waste, construction and demolition debris (C&D), wood waste and inerts.

Staff estimate that the increase in tip fees approved by your Board for FY 2021/22 could result in some customers opting to utilize facilities in adjacent counties. Based on the types and quantities of materials delivered by commercial and other non-franchised haulers, staff project a 10% decrease in C&D and wood waste and a 15% decrease in inert materials received at the site. Quantities received of the remaining material classifications are anticipated to be consistent with FY 2020/21 rates.

3. Construction Projects – \$10,217,400 budgeted as shown at the bottom of the second page of Exhibit A. This figure includes funding for:
 - a. Expanding the north compost pond and installing a geomembrane liner.
 - b. Continued refurbishment of the facility truck scales.
 - c. Upgrade and expansion of the CCTV system.
 - d. Upgrade of scalehouse electrical and communication systems.
 - e. Replacement or repair of select pieces of MRF equipment as necessary.
 - f. Installation of a groundwater pump and treat system.
 - g. Excavation of soils in preparation for the Module 6 liner system.
 - h. Upgrade of the existing leachate force main and installation of electrical infrastructure around the perimeter of the landfill.
4. Reserve Accounts – A net contribution to reserves totaling \$4,493,428. Staff recommends utilizing \$5,500,000 from the Operating Fund – Contingencies Reserve Account for landfill-related construction projects and contributing \$9,592,342 to the Operating Fund – Fixed Asset Acquisition Reserve Account to be used towards near-term MRF upgrades.

Total fund balances and reserves at the end of the current and upcoming fiscal years are projected as follows:

	FY 2020/21	FY 2021/22
Operating Fund Budget	\$23,605,086	\$27,730,490
Closure/Postclosure Fund Budget	\$14,094,578	\$14,490,452
Self-Insurance Fund Budget	\$7,377,629	\$7,312,181
Odor Management Fund Budget	\$91,125	\$128,723
Total Reserves	\$45,168,418	\$49,661,846

Board approval of the FY 2021/22 Preliminary Budgets is required before the Placer County Auditor will release payment for invoices received after June 30, 2021.

ENVIRONMENTAL CLEARANCE:

Approval of the Preliminary Budgets does not constitute a "Project" under the California Environmental Quality Act, per CEQA Guidelines Section 15378(b)(5), because your Board does not fully commit to any individual project when approving the budgets. Appropriate environmental review will be conducted prior to your Board's approval of individual projects.

FISCAL IMPACT:

The Preliminary Budgets include sufficient funding to generate retained earnings for future use. Cancellation of reserves, other than the effective transfer of funds from the Closure/Postclosure General Reserve to the Landfill Closure/Postclosure Liability account, is not anticipated.

ATTACHMENTS: EXHIBIT A – OPERATING FUND PRELIMINARY BUDGET
EXHIBIT B – CLOSURE FUND AND SELF-INSURANCE FUND PRELIMINARY BUDGETS
EXHIBIT C – ODOR MANAGEMENT FUND PRELIMINARY BUDGET
EXHIBIT D – FINANCIAL FORECAST

EXHIBIT A

OPERATIONS FUND

	2020/21 Final Budget	2020/21 Estimated	2021/22 Prelim. Budget	Notes
<u>SOURCES OF FUNDS</u>				
Retained Earnings	3,589,910	3,590,219	4,667,261	
42010: Investment Income	321,554	129,091	108,631	
42030: Rents and Concessions				
Rent	106,489	106,666	108,588	
Royalties	245,119	303,741	303,741	
44270: State Aid - Other Programs	0	43,532	0	
46240: Road and Street Services	29,943	33,804	32,362	
46250: Solid Waste Disposal	29,540,746	32,540,058	42,651,523	
46380: Interest Income - Loan Repayments	0	0	0	
48030: Miscellaneous	7,500	21,733	7,500	
Reserve Cancellations				
Fixed Asset Acquisition	0	0	0	
Road Improvement	0	0	0	
HHW Closure	0	0	0	
Imprest Cash	0	0	0	
Contingencies	5,196,357	0	5,500,000	
TOTAL SOURCES OF FUNDS	39,037,618	36,768,844	53,379,605	
<u>USES OF FUNDS</u>				
Ongoing Operations	31,400,681	30,650,434	33,536,800	
Major Construction Projects	7,665,327	1,416,650	10,217,400	
Land Acquisition	0	0	0	
Contribution to Reserves				
Fixed Asset Acquisition	0	0	9,592,342	
Road Improvement	29,943	33,804	32,362	
HHW Closure	695	695	701	
Imprest Cash	0	0	0	
Contingencies	0	0	0	
Auditor's Year End Adjustment	0	0	0	
Retained Earnings	0	4,667,261	0	
TOTAL USES OF FUNDS	39,037,618	36,768,844	53,379,605	
<u>OPERATING FUND RESERVE BALANCES</u>				
Fixed Asset Acquisition	11,219,215	11,219,125	20,811,467	
Road Improvement	88,777	92,637	124,999	
HHW Closure	35,605	35,296	35,997	
Imprest Cash	8,600	8,600	8,600	
Contingencies	7,053,071	12,249,428	6,749,428	
TOTAL OPERATING FUND RESERVE BALANCES	18,405,178	23,605,086	27,730,490	

APPROPRIATIONS BY ACCOUNT	2020/21 Final Budget	2020/21 Estimated	2021/22 Prelim. Budget	Notes
52030: Clothing and Personal	2,600	1,000	3,000	
52040: Communication Services Expense	40,000	28,823	35,000	
52050: Food	1,400	844	1,500	
52060: Household Expense	1,500	2,308	3,000	
52080: Insurance	184,928	201,621	212,000	
52140: Parts	3,500	1,156	1,500	
52160: Maintenance	29,020	31,943	29,500	
52161: Maintenance - Buildings	0	23,480	25,000	
52170: Fuels and Lubricants	50	192	300	
52180: Materials - Buildings & Improvements	200	264	300	
52240: Professional / Membership Dues	4,000	1,301	1,820	
52250: Services and Supplies	200	0	200	
52260: Misc Expense	8,000	735	2,000	
52270: Department Cash Shortage	300	178	300	
52320: Printing	12,500	8,975	12,500	
52330: Office and Other Supplies	19,000	21,809	25,000	
52340: Postage	3,000	2,840	3,500	
52360: Prof. & Special Svcs - General	3,730,557	3,891,407	4,927,779	
52370: Prof. & Special Svcs - Legal	75,000	51,975	75,000	
52380: Prof. & Special Svcs - Tech., Eng. & Env.	24,400,054	25,025,520	26,495,325	
52390: Prof. & Special Svcs - County	31,160	104,305	110,000	
52400: Prof. & Special Svcs - IT	150,000	27,626	40,000	
52440: Rents and Leases - Equipment	100	0	100	
52450: Rents and Leases - Buildings & Improvements	100	0	100	
52460: Small Tools & Instruments	150	6,878	1,000	
52480: PC Acquisition	2,000	1,280	12,500	
52510: Director's Fees	6,000	5,000	6,000	
52540: Signing & Safety Material	200	407	10,000	
52570: Advertising	40,000	86,531	30,000	
52580: Special Department Expense	2,500	0	2,000	
52785: Training / Education	6,460	4,900	14,000	
52790: Transportation and Travel	10,000	744	50,000	
52800: Utilities	1,581,735	121,378	300,000	
52810: Operating Materials	0	621	1,000	
53190: Taxes and Assessments	496,782	538,797	589,023	
53250: Contributions to other Agencies	0	244,101	266,553	
53390: Transfer Out A-87 Costs	180,000	211,496	250,000	
54410: Land	0	0	0	
54430: Buildings and Improvements	0	0	0	
54450: Equipment	200,000	156,323	385,000	
54470: Infrastructure	1,595,500	790,500	2,025,000	
54480: Land Improvements	5,869,827	469,827	7,807,400	
55510: Operating Transfer Out	268,659	0	0	
55550: Transfer to County for Road Improvements	0	0	0	
59000: Appropriation for Contingencies	50,000	0	0	
TOTAL APPROPRIATIONS	39,006,980	32,067,084	43,754,200	
SUMMARY OF APPROPRIATIONS				
Related to Ongoing Operations	31,341,654	30,650,434	33,536,800	
Related to Construction Projects	7,665,327	1,416,650	10,217,400	
Related to Land Acquisition	0	0	0	

SUB-ACCOUNT DETAIL	2020/21	2020/21	2021/22	Notes
	Final Budget	Estimated	Prelim. Budget	
52360: Prof. & Special Svcs - General				
2810: Financial Services	65,579	104,964	136,060	
2880: Administration	470	470	480	
2900: Audit Costs	20,000	20,000	20,400	
2920: Aerial Surveys and Mapping Services	33,600	15,400	5,500	
2930: Architectural Services, Professional	0	0	0	
2940: Consulting Services	1,005,478	667,822	868,820	
2950: Professional Engineering Services	2,548,275	2,948,932	3,791,520	
3020: Armored Car Services	14,155	23,179	25,000	
3045: Temporary Worker Services	55,000	110,640	80,000	
52380: Prof. & Special Svcs - Tech., Eng. & Env.				
3140: Building Maintenance, Installation & Repairs	26,010	3,110	5,000	
3180: MRF Operations	18,181,907	18,986,594	19,498,082	
3190: Landfill Operations	2,595,277	2,599,777	2,764,203	
3320: Environmental and Ecological Services	3,596,860	3,436,039	4,228,039	
3322: Hazardous Waste (Temporary HHW events)	77,331	95,303	113,000	
53190: Taxes and Assessments				
4870: Taxes and Assessments - Disposal Taxes	411,188	453,202	438,411	
4870: Taxes and Assessments - Property Taxes	594	594	612	
4870: Taxes and Assessments - Permit Fees	85,000	85,000	150,000	
4870: Taxes and Assessments - Fines and Penalties	0	35,000	100,000	
MAJOR CONSTRUCTION PROJECTS				
54430: Buildings and Improvements				
Building Expansions, Retrofits and Modifications				
54450: Equipment				
MRF Equipment			200,000	Replacement/repair of select MRF equipment
LFG Equipment				
Composting Systems	35,000			
Information and Communications Technology	15,000	6,323	25,000	Scalehouse wiring and communications
Security Systems	50,000	50,000	100,000	CCTV Upgrades and Expansion
Misc Equipment	100,000	100,000	60,000	Scale refurbishment & nuclear density gauge
54470: Infrastructure				
Power	565,000		565,000	Electrical at leachate pump stations
Water	790,500	790,500	1,220,000	Groundwater pump and treat
Leachate/Sewage	240,000		240,000	Leachate force main
LFG Wells and Piping				
LFG Monitoring Systems				
Water Monitoring Systems				
54480: Land Improvements				
Liner Systems	469,827	469,827		Module 6 design
Cover Systems				
Compost Pads and Ponds			2,407,400	Expand and line north compost pond
Other	5,400,000		5,400,000	Module 6 soil excavation
MAJOR CONSTRUCTION PROJECTS TOTAL	7,665,327	1,416,650	10,217,400	

	2020/21 Final Budget	2020/21 Estimated	2021/22 Prelim. Budget	Notes
TIPPING FEE STRUCTURE				
Tipping Fee (\$ per ton)				
MSW	73.00	73.00	88.00	
C&D	51.00	51.00	88.00	
Sludge and Mixed Inerts	39.00	39.00	50.00	
Green Waste	42.00	42.00	66.00	
Wood Waste	29.00	29.00	40.00	
Food Waste	46.50	46.50	46.50	
Inerts	20.00	20.00	25.00	
H2O Sludge	9.00	9.00	9.23	
Roseville Recyclables	188.00	188.00	188.00	
Bulk Tires	200.00	200.00	205.00	
Tipping Fee (\$ per cubic yard)				
MSW	16.00	16.00	20.00	
C&D	16.00	16.00	20.00	
Green Waste	9.00	9.00	14.00	
Wood Waste	9.00	9.00	12.50	
Inerts	18.00	18.00	25.00	
Tipping Fee (\$ per unit)				
Appliances	8.00	8.00	8.25	
CFC Devices	37.00	37.00	38.00	
Car Tires	3.50	3.50	3.75	
Truck Tires	20.00	20.00	20.50	
Tractor Tires	80.00	80.00	82.00	
MATERIAL QUANTITIES				
MSW				
Tonnage	245,128	250,252	250,252	
Yardage	102,810	144,621	144,621	
C&D				
Tonnage	94,347	118,230	106,407	
Yardage	49,857	49,015	44,114	
Sludge and Mixed Inerts				
Tonnage	19,591	19,698	19,206	
Green Waste				
Tonnage	56,449	62,062	62,062	
Yardage	42,732	53,422	53,422	
Wood Waste				
Tonnage	2,445	5,248	4,723	
Yardage	5,918	7,874	7,087	
Food Waste				
Tonnage	2,983	2,946	2,638	
Inerts				
Tonnage	27,418	41,402	33,533	
Yardage	18,225	22,214	18,882	
Appliances				
Tonnage	10,179	11,195	11,307	
CFC Devices				
Tonnage	4,089	4,524	4,569	
Tires				
Car	6,416	7,259	7,332	
Truck	91	101	102	
Tractor	28	65	66	
Bulk Tonnage				
Tonnage	38	38	38	
H2O Sludge				
Tonnage	1,168	1,117	1,128	
Treated Wood Waste				
Tonnage	40	491	496	

EXHIBIT B

CLOSURE / POSTCLOSURE FUND

	2020/21 Final Budget	2020/21 Estimated	2021/22 Prelim. Budget	Notes
<u>SOURCES OF FUNDS</u>				
Retained Earnings	0	0	0	
42010: Investment Income	209,557	65,718	76,111	
46250: Solid Waste Disposal	298,255	332,302	319,763	
General Reserve Cancellations	171,398	257,253	0	
TOTAL SOURCES OF FUNDS	679,210	655,273	395,874	
<u>USES OF FUNDS</u>				
Closure/Postclosure Liability Adjustment	679,210	655,273	(20,464)	
Contribution to General Reserves	0	0	416,338	
Contribution to Operating Fund	0	0	0	
Retained Earnings	0	0	0	
TOTAL USES OF FUNDS	679,210	655,273	395,874	
CLOSURE/POSTCLOSURE FUND BALANCE				
Closure/Postclosure Liability	13,445,866	13,421,929	13,401,465	
General Reserves	758,504	672,649	1,088,987	
TOTAL CLOSURE/POSTCLOSURE FUND BALANCE	14,204,371	14,094,578	14,490,452	

SELF INSURANCE FUND

	2020/21 Final Budget	2020/21 Estimated	2021/22 Prelim. Budget
<u>SOURCES OF FUNDS</u>			
Retained Earnings	109,844	109,844	(105,287)
42010: Investment Income	110,275	35,103	39,839
46250: Solid Waste Disposal	0	0	0
Future Occurances Reserve Cancellations	0	0	65,449
TOTAL SOURCES OF FUNDS	220,119	144,947	0
<u>USES OF FUNDS</u>			
52360: Prof. & Special Svcs - General	0	0	0
52370: Prof. & Special Svcs - Legal	50,000	80,115	0
52380: Prof. & Special Svcs - Tech., Eng. & Env.	0	0	0
52390: Prof. & Special Svcs - County	0	0	0
53140: Judgements and Damages	0	0	0
Contribution to Reserve for Future Occurances	170,119	170,119	0
Retained Earnings	0	(105,287)	0
TOTAL USES OF FUNDS	220,119	250,234	0
SELF INSURANCE RESERVE BALANCE			
Reserve for Future Occurances	7,377,629	7,377,629	7,312,181

EXHBIT C

ODOR MANAGEMENT FUND

	2020/21 Final Budget	2020/21 Estimated	2021/22 Prelim. Budget	Notes
<u>SOURCES OF FUNDS</u>				
Retained Earnings	0	0	(19,729)	
42010: Investment Income	0	0	547	
46250: Solid Waste Disposal	213,939	237,786	234,661	
49060: Contributions from Other Funds				
PRSP towards Capital Improvements	0	0	0	
PRSP towards Operations and Maintenance	0	0	0	
SAP towards Capital Improvements	0	0	0	
SAP towards Operations and Maintenance	0	0	0	
Odor Management Reserve Cancellations	0	0	0	
TOTAL SOURCES OF FUNDS	213,939	237,786	215,479	
<u>USES OF FUNDS</u>				
Ongoing Operations	122,814	166,390	177,881	
Major Construction Projects	0	0	0	
Contribution to Reserves				
SAP/PRSP Capital and Operating	0	0	0	
Non SAP/PRSP Capital and Operating	91,125	91,125	37,598	
Auditor's Year End Adjustment	0	0	0	
Retained Earnings	0	(19,729)	0	
TOTAL USES OF FUNDS	213,940	237,786	215,479	
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ODOR MANAGEMENT FUND RESERVE BALANCES				
SAP/PRSP Capital and Operating	0	0	0	
Non SAP/PRSP Capital and Operating	91,125	91,125	128,723	
TOTAL ODOR MANAGEMENT FUND RESERVE BALANCES	91,125	91,125	128,723	
APPROPRIATIONS BY ACCOUNT				
52050: Food	50	0	0	
52140: Parts	100	0	0	
52160: Maintenance	112,414	112,414	120,486	
52260: Misc Expense	100	0	0	
52320: Printing	2,500	0	0	
52330: Other Supplies	200	0	0	
52340: Postage	200	0	0	
52360: Prof. & Special Svcs - General	0	0	0	
52380: Prof. & Special Svcs - Tech., Eng. & Env.	0	46,726	50,000	
52570: Advertising	5,000	5,000	5,100	
52580: Special Department Expense	250	250	255	
54430: Buildings and Improvements	0	0	0	
54450: Equipment	0	0	0	
54470: Infrastructure	0	0	0	
54480: Land Improvements	0	0	0	
59000: Appropriation for Contingencies	2,000	0	2,000	
TOTAL APPROPRIATIONS	122,814	0	122,814	

EXHIBIT D

	2020/21	2021/22	2022/23	2023/24	2024/25
OPERATIONS FUND					
<u>SOURCES OF FUNDS</u>					
Retained Earnings	3,590,219	4,667,261	0	0	0
42010: Investment Income	129,091	108,631	126,166	128,967	141,953
42030: Rents and Concessions					
Rent	106,666	108,588	95,384	97,192	96,533
Royalties	303,741	303,741	0	0	0
44270: State Aid - Other Programs	43,532	0	0	0	0
46240: Road and Street Services	33,804	32,362	32,390	32,464	32,602
46250: Solid Waste Disposal	32,540,058	42,651,523	43,760,880	44,925,218	46,178,250
46380: Interest Income - Loan Repayments	0	0	0	0	0
48030: Miscellaneous	21,733	7,500	7,500	7,500	7,500
Reserve Cancellations					
Fixed Asset Acquisition	0	0	0	0	0
Road Improvement	0	0	0	0	0
HHW Closure	0	0	0	0	0
Imprest Cash	0	0	0	0	0
Contingencies	0	5,500,000	6,702,859	0	0
TOTAL SOURCES OF FUNDS	36,768,844	53,379,605	50,725,179	45,191,342	46,456,838
<u>USES OF FUNDS</u>					
Ongoing Operations	30,650,434	33,536,800	42,263,754	43,026,981	44,371,287
Major Construction Projects	1,416,650	10,217,400	7,994,508	0	0
Land Acquisition	0	0	0	0	0
Contribution to Reserves					
Fixed Asset Acquisition	0	9,592,342	433,813	1,096,057	991,756
Road Improvement	33,804	32,362	32,390	32,464	32,602
HHW Closure	695	701	715	729	744
Imprest Cash	0	0	0	0	0
Contingencies	0	0	0	1,035,110	1,060,449
Auditor's Year End Adjustment	0	0	0	0	0
Retained Earnings	4,667,261	0	0	0	0
TOTAL USES OF FUNDS	36,768,844	53,379,605	50,725,179	45,191,341	46,456,839
OPERATING FUND RESERVE BALANCES					
Fixed Asset Acquisition	11,219,125	20,811,467	21,245,280	22,341,337	23,333,093
Road Improvement	92,637	124,999	157,389	189,853	222,455
HHW Closure	35,296	35,997	36,712	37,441	38,185
Imprest Cash	8,600	8,600	8,600	8,600	8,600
Contingencies	12,249,428	6,749,428	46,569	1,081,679	2,142,128
TOTAL OPERATING FUND RESERVE BALANCES	23,605,086	27,730,490	21,494,549	23,658,909	25,744,460

APPROPRIATIONS BY ACCOUNT	2020/21	2021/22	2022/23	2023/24	2024/25
52030: Clothing and Personal	1,000	3,000	3,060	3,121	3,184
52040: Communication Services Expense	28,823	35,000	35,700	36,414	37,142
52050: Food	844	1,500	1,500	1,530	1,561
52060: Household Expense	2,308	3,000	3,060	3,121	3,184
52080: Insurance	201,621	212,000	222,600	233,730	245,417
52140: Parts	1,156	1,500	263	263	263
52160: Maintenance	31,943	29,500	49,254	49,947	50,654
52161: Maintenance - Buildings	23,480	25,000	25,500	26,010	26,530
52170: Fuels and Lubricants	192	300	306	312	318
52180: Materials - Buildings & Improvements	264	300	306	312	318
52240: Professional / Membership Dues	1,301	1,820	1,856	1,894	1,931
52250: Services and Supplies	0	200	204	208	212
52260: Misc Expense	735	2,000	2,040	2,081	2,122
52270: Department Cash Shortage	178	300	300	300	300
52320: Printing	8,975	12,500	10,000	10,200	10,404
52330: Office and Other Supplies	21,809	25,000	25,500	26,010	26,530
52340: Postage	2,840	3,500	3,570	3,641	3,714
52360: Prof. & Special Svcs - General	3,891,407	4,927,779	2,856,275	2,914,296	2,973,609
52370: Prof. & Special Svcs - Legal	51,975	75,000	76,500	78,030	79,591
52380: Prof. & Special Svcs - Tech., Eng. & Env.	25,025,520	26,495,325	37,589,510	38,266,039	39,684,706
52390: Prof. & Special Svcs - County	104,305	110,000	112,200	114,444	116,733
52400: Prof. & Special Svcs - IT	27,626	40,000	40,800	41,616	42,448
52440: Rents and Leases - Equipment	0	100	102	104	106
52450: Rents and Leases - Buildings & Improvements	0	100	102	104	106
52460: Small Tools & Instruments	6,878	1,000	1,020	1,040	1,061
52480: PC Acquisition	1,280	12,500	2,500	2,550	2,601
52510: Director's Fees	5,000	6,000	6,000	6,000	6,000
52540: Signing & Safety Material	407	10,000	600	612	624
52570: Advertising	86,531	30,000	30,600	31,212	31,836
52580: Special Department Expense	0	2,000	2,040	2,081	2,122
52785: Training / Education	4,900	14,000	14,280	14,566	14,857
52790: Transportation and Travel	744	50,000	5,000	5,100	5,202
52800: Utilities	121,378	300,000	306,000	312,120	318,362
52810: Operating Materials	621	1,000	1,000	1,000	1,000
53190: Taxes and Assessments	538,797	589,023	584,206	586,973	426,537
53250: Contributions to other Agencies	244,101	266,553			
53390: Transfer Out A-87 Costs	211,496	250,000	250,000	250,000	250,000
54410: Land	0	0	0	0	0
54430: Buildings and Improvements	0	0	0	0	0
54450: Equipment	156,323	385,000	0	0	0
54470: Infrastructure	790,500	2,025,000	0	0	0
54480: Land Improvements	469,827	7,807,400	7,994,508	0	0
55510: Operating Transfer Out	0	0	0	0	0
55550: Transfer to County for Road Improvements	0	0	0	0	0
59000: Appropriation for Contingencies	0	0	0	0	0
TOTAL APPROPRIATIONS	32,067,084	43,754,200	50,258,261	43,026,981	44,371,287
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SUMMARY OF APPROPRIATIONS					
Related to Ongoing Operations	30,650,434	33,536,800	42,263,754	43,026,981	44,371,287
Related to Construction Projects	1,416,650	10,217,400	7,994,508	0	0
Related to Land Acquisition	0	0	0	0	0

SUB-ACCOUNT DETAIL	2020/21	2021/22	2022/23	2023/24	2024/25
52360: Prof. & Special Svcs - General					
2810: Financial Services	104,964	136,060	139,571	143,258	147,150
2880: Administration	470	480	489	499	509
2900: Audit Costs	20,000	20,400	20,808	21,224	21,649
2920: Aerial Surveys and Mapping Services	15,400	5,500	0	0	0
2930: Architectural Services, Professional	0	0	0	0	0
2940: Consulting Services	667,822	868,820	523,706	534,181	544,864
2950: Professional Engineering Services	2,948,932	3,791,520	2,064,600	2,105,892	2,148,010
3020: Armored Car Services	23,179	25,000	25,500	26,010	26,530
3045: Temporary Worker Services	110,640	80,000	81,600	83,232	84,897
52380: Prof. & Special Svcs - Tech., Eng. & Env.					
3140: Building Maintenance, Installation & Repairs	3,110	5,000	5,100	5,202	5,306
3180: MRF Operations	18,986,594	19,498,082	23,830,439	24,490,777	29,350,110
3190: Landfill Operations	2,599,777	2,764,203	9,504,791	9,499,634	6,037,513
3320: Environmental and Ecological Services (WPWMA staff)	3,436,039	4,228,039	4,249,180	4,270,425	4,291,778
3322: Hazardous Waste (Temp Events & Sac County)	95,303	113,000	115,825	118,721	121,689
53190: Taxes and Assessments					
4870: Taxes and Assessments - Disposal Taxes	453,202	438,411	430,575	430,264	266,687
4870: Taxes and Assessments - Property Taxes	594	612	631	649	669
4870: Taxes and Assessments - Permit Fees	85,000	150,000	153,000	156,060	159,181
4870: Taxes and Assessments - Fines and Penalties	35,000	100,000	102,000	104,040	106,121
MAJOR CONSTRUCTION PROJECTS					
54430: Buildings and Improvements					
Building Expansions, Retrofits and Modifications					
54450: Equipment					
MRF Equipment		200,000			
LFG Equipment					
Composting Systems					
Information and Communications Technology	6,323	25,000			
Security Systems	50,000	100,000			
Misc Equipment	100,000	60,000			
54470: Infrastructure					
Power		565,000			
Water	790,500	1,220,000			
Leachate/Sewage		240,000			
LFG Wells and Piping					
LFG Monitoring Systems					
Water Monitoring Systems					
54480: Land Improvements					
Liner Systems	469,827		7,994,508		
Cover Systems					
Compost Pads and Ponds		2,407,400			
Other		5,400,000			
MAJOR CONSTRUCTION PROJECTS TOTAL	1,416,650	10,217,400	7,994,508	0	0

	2020/21	2021/22	2022/23	2023/24	2024/25
TIPPING FEE STRUCTURE					
Tipping Fee (\$ per ton)					
MSW	73.00	88.00	90.00	92.00	94.00
C&D	51.00	88.00	90.00	92.00	94.00
Sludge and Mixed Inerts	39.00	50.00	51.00	52.00	53.00
Green Waste	42.00	66.00	67.50	69.00	70.50
Wood Waste	29.00	40.00	41.00	42.00	43.00
Food Waste	46.50	46.50	52.50	59.00	66.50
Inerts	20.00	25.00	25.50	26.00	26.50
H2O Sludge	9.00	9.23	9.25	9.25	9.25
Treated Wood Waste	188.00	188.00	192.50	197.25	202.00
Bulk Tires	200.00	205.00	210.00	215.25	220.50
Tipping Fee (\$ per cubic yard)					
MSW	16.00	20.00	20.50	21.00	21.50
C&D	16.00	20.00	20.50	21.00	21.50
Green Waste	9.00	14.00	14.25	14.50	14.75
Wood Waste	9.00	12.50	12.75	13.00	13.25
Inerts	18.00	25.00	25.50	26.00	26.50
Tipping Fee (\$ per unit)					
Appliances	8.00	8.25	8.25	8.25	8.25
CFC Devices	37.00	38.00	38.75	39.50	40.25
Car Tires	3.50	3.75	3.75	3.75	3.75
Truck Tires	20.00	20.50	21.00	21.50	22.00
Tractor Tires	80.00	82.00	84.00	86.00	88.00
MATERIAL QUANTITIES					
MSW					
Tonnage	250,252	250,252	251,277	252,316	253,387
Yardage	144,621	144,621	145,214	145,814	146,471
C&D					
Tonnage	118,230	106,407	106,976	107,837	108,780
Yardage	49,015	44,114	44,350	44,706	45,345
Sludge and Mixed Inerts					
Tonnage	19,698	19,206	17,285	15,556	14,001
Green Waste					
Tonnage	62,062	62,062	62,838	63,623	64,419
Yardage	53,422	53,422	54,090	54,766	55,450
Wood Waste					
Tonnage	5,248	4,723	4,723	4,723	4,959
Yardage	7,874	7,087	7,087	7,087	7,441
Food Waste					
Tonnage	2,946	2,638	2,664	2,691	2,718
Inerts					
Tonnage	41,402	33,533	33,363	33,349	33,607
Yardage	22,214	18,882	18,787	18,779	18,924
Appliances					
Tonnage	11,195	11,307	11,444	11,584	11,726
CFC Devices					
Tonnage	4,524	4,569	4,624	4,681	4,738
Tires					
Car	7,259	7,332	7,421	7,512	7,604
Truck	101	102	103	104	105
Tractor	65	66	67	68	69
Bulk Tonnage					
Tonnage	38	38	39	39	40
H2O Sludge					
Tonnage	1,117	1,128	1,142	1,156	1,170
Treated Wood Waste					
Tonnage	491	496	502	508	514

	2020/21	2021/22	2022/23	2023/24	2024/25
CLOSURE / POSTCLOSURE FUND					
<u>SOURCES OF FUNDS</u>					
Retained Earnings	0	0	0	0	0
42010: Investment Income	65,718	76,111	78,248	80,395	82,551
46250: Solid Waste Disposal	332,302	319,763	319,177	319,019	295,118
General Reserve Cancellations	257,253	0	230,548	238,539	90,963
TOTAL SOURCES OF FUNDS	655,273	395,874	627,973	637,952	468,632
<u>USES OF FUNDS</u>					
Closure/Postclosure Liability Adjustment	655,273	(20,464)	627,973	637,952	468,632
Contribution to General Reserves	0	416,338	0	0	0
Contribution to Operating Fund	0	0	0	0	0
Retained Earnings	0	0	0	0	0
TOTAL USES OF FUNDS	655,273	395,874	627,973	637,952	468,632
CLOSURE/POSTCLOSURE FUND BALANCE					
Closure/Postclosure Liability	13,421,929	13,401,465	14,029,438	14,667,390	15,136,022
General Reserves	672,649	1,088,987	858,439	619,900	528,937
TOTAL CLOSURE/POSTCLOSURE FUND BALANCE	14,094,578	14,490,452	14,887,877	15,287,290	15,664,959
SELF INSURANCE FUND					
<u>SOURCES OF FUNDS</u>					
Retained Earnings	109,844	(105,287)	0	104,935	209,515
42010: Investment Income	35,103	39,839	39,486	39,132	38,779
46250: Solid Waste Disposal	0	0	0	0	0
Future Occurances Reserve Cancellations	0	65,449	65,449	65,449	65,449
TOTAL SOURCES OF FUNDS	144,947	0	104,935	209,515	313,743
<u>USES OF FUNDS</u>					
52360: Prof. & Special Svcs - General	0	0	0	0	0
52370: Prof. & Special Svcs - Legal	80,115	0	0	0	0
52380: Prof. & Special Svcs - Tech., Eng. & Env.	0	0	0	0	0
52390: Prof. & Special Svcs - County	0	0	0	0	0
53140: Judgements and Damages	0	0	0	0	0
Contribution to Reserve for Future Occurances	170,119	0	0	0	0
Retained Earnings	(105,287)	0	104,935	209,515	313,743
TOTAL USES OF FUNDS	250,234	0	0	0	0
SELF INSURANCE RESERVE BALANCE					
Reserve for Future Occurances	7,377,629	7,312,181	7,246,732	7,181,284	7,115,835

	2020/21	2021/22	2022/23	2023/24	2024/25
ODOR MANAGEMENT FUND					
<u>SOURCES OF FUNDS</u>					
Retained Earnings	0	(19,729)	0	0	0
42010: Investment Income	0	547	772	1,115	1,460
46250: Solid Waste Disposal	237,786	234,661	237,809	241,468	242,142
49060: Contributions from Other Funds					
PRSP towards Capital Improvements	0	0	0	0	0
PRSP towards Operations and Maintenance	0	0	0	0	0
SAP towards Capital Improvements	0	0	0	0	0
SAP towards Operations and Maintenance	0	0	0	0	0
Odor Management Reserve Cancellations	0	0	0	0	0
TOTAL SOURCES OF FUNDS	237,786	215,479	238,581	242,583	243,603
<u>USES OF FUNDS</u>					
Ongoing Operations	166,390	177,881	181,435	185,060	188,758
Major Construction Projects	0	0	0	0	0
Contribution to Reserves					
SAP/PRSP Capital and Operating	0	0	0	0	0
Non SAP/PRSP Capital and Operating	91,125	37,598	57,146	57,523	54,845
Auditor's Year End Adjustment	0	0	0	0	0
Retained Earnings	(19,729)	0	0	0	0
TOTAL USES OF FUNDS	237,786	215,479	238,581	242,583	243,603
ODOR MANAGEMENT FUND RESERVE BALANCES					
SAP/PRSP Capital and Operating	0	0	0	0	0
Non SAP/PRSP Capital and Operating	91,125	128,723	185,869	243,393	298,237
TOTAL ODOR MANAGEMENT FUND RESERVE BALANCES	91,125	128,723	185,869	243,393	298,237
APPROPRIATIONS BY ACCOUNT					
52050: Food	0	0	0	0	0
52140: Parts	0	0	0	0	0
52160: Maintenance	112,414	120,486	122,892	125,346	127,850
52260: Misc Expense	0	0	0	0	0
52320: Printing	0	0	0	0	0
52330: Other Supplies	0	0	0	0	0
52340: Postage	0	0	0	0	0
52360: Prof. & Special Svcs - General	0	0	0	0	0
52380: Prof. & Special Svcs - Tech., Eng. & Env.	46,726	50,000	51,000	52,020	53,060
52570: Advertising	5,000	5,100	5,202	5,306	5,412
52580: Special Department Expense	250	255	260	265	271
54430: Buildings and Improvements	0	0	0	0	0
54450: Equipment	0	0	0	0	0
54470: Infrastructure	0	0	0	0	0
54480: Land Improvements	0	0	0	0	0
59000: Appropriation for Contingencies	2,000	2,040	2,081	2,122	2,165
TOTAL APPROPRIATIONS	166,390	177,881	181,435	185,060	188,758

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**MEMORANDUM
WESTERN PLACER WASTE MANAGEMENT AUTHORITY**

TO: **WPWMA BOARD OF DIRECTORS**

DATE: **JUNE 17, 2021**

FROM: **KEN GREHM / ERIC ODDO** 

SUBJECT: **MASTER SERVICES AGREEMENT WITH CSUS AND CCIE**

RECOMMENDED ACTION:

Authorize the Chair to sign a Master Services Agreement (MSA) with California State University, Sacramento (CSUS) and the Carlsen Center for Innovation and Entrepreneurship (CCIE) to assist with attracting, assisting and mentoring businesses that intend to beneficially utilize recyclable materials recovered at the WPWMA's facility.

BACKGROUND:

In March 2020, Janet Goodrich of Jacobs Engineering and Cheryl Beninga of Beninga Advisors facilitated an introduction and initial meeting between representatives of CSUS, CCIE and the WPWMA to explore partnering opportunities similar to the relationship between the City of Phoenix and Arizona State University.

In successive discussions, CSUS, CCIE and WPWMA staff identified an intersection of interests where CCIE could help identify and foster regional entrepreneurship focused on sustainability, CSUS could provide research and development support using students and faculty, and WPWMA could provide a location and access to recyclable material streams to entities with innovative concepts to develop marketable products. This proposed partnership has the potential to accelerate the identification and siting of compatible manufacturing and technologies near the WPWMA's facility which would serve to create new jobs and improve recyclable material market conditions.

Over the course of several discussions, the parties agreed establishing an MSA would be an appropriate first step in formalizing the relationship and expectations of all parties. Once the MSA is adopted by each entity, specific projects with defined scopes of work and budgets will be developed and presented to your Board for approval.

ENVIRONMENTAL CLEARANCE:

Entering into the recommended MSA, along with any subsequent research and business assistance efforts by CCIE and CSUS, is categorically exempt under CEQA Guidelines, Article 19, Section 15306 "Information Collection", which allows for data collection when such activities do not result in a serious or major disturbance to an environmental resource, are strictly for information gathering purposes, or are part of a study leading to an action which a public entity has not yet approved, adopted or funded.

FISCAL IMPACT:

There is no fiscal impact associated with entering into the recommended MSA.

ATTACHMENT: DRAFT MASTER SERVICES AGREEMENT

MASTER AGREEMENT

AGREEMENT NUMBER MA200332	
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THIS MASTER AGREEMENT, made and entered into by and between the Trustees of the California State University, which is the State of California acting in a higher education capacity, through its duly appointed and acting officer on behalf of California State University, Sacramento hereinafter called the University for the Carlsen Center for Innovation and Entrepreneurship (CCIE) and the Western Placer Waste Management Authority, hereinafter called WPWMA.

WITNESSETH: That the University for and in consideration of the covenants, conditions, agreements and stipulations of this agreement does hereby agree to furnish services as follows:

University, through the CCIE hereby agrees to provide WPWMA services to attract, assist, and mentor businesses associated with the solid waste industry and specifically reuse of various forms of municipal solid waste recovered by the WPWMA at its Material Recovery Facility.

The term of service shall commence on the date of final execution and continue for a period of five (5) years. Each individual Work Order will have its own commencement and end date as stipulated within the Work Order

WPWMA agrees to pay the University an amount to be identified in individual work orders placed against this Master Agreement for the services performed. Payment shall be made monthly in arrears of service upon receipt of invoice from the University. There is no compensation associated with the Master Agreement.

No consideration has been or shall be paid directly or indirectly to any officer or employee of the University as wages, compensation, or gifts in exchange for acting as officer, agent, employee, subcontractor or as consultant in connection with this Agreement.

The following documents are hereby incorporated and made part of this agreement:

- Exhibit A: Specification of Services, consisting of two (2) pages;
- Exhibit B: General Provisions, consisting of four (4) pages;
- Exhibit C: Sample Work Order

Any provisions or attachments not specifically referenced herein shall be excluded from this agreement.

University shall have no liability except as specifically set forth in this Agreement.

Questions or information concerning this agreement should be addressed to Suzanne Swartz, Contract Management Specialist, 916-278-5797, swartzsd@csus.edu

Nothing herein contained shall preclude advance payment pursuant to Article 1, Chapter 3, Part 1, Division 3, Title 2 of the Government Code

IN WITNESS WHEREOF, this Agreement has been executed by the parties hereto, upon the date first above written.

UNIVERSITY		WPWMA	
California State University, Sacramento			
BY (AUTHORIZED SIGNATURE):	DATE	BY (AUTHORIZED SIGNATURE):	DATE
PRINTED NAME AND TITLE OF PERSON SIGNING Suzanne Swartz, Contract Management Specialist		PRINTED NAME AND TITLE OF PERSON SIGNING	
DEPARTMENT Procurement and Contract Services		ADDRESS	

SPECIFICATION OF SERVICES

Background

WPWMA has State of California regulatory requirements and goals to maximize diversion of the solid waste stream in order to extend the life span of its Western Regional Sanitary Landfill (WRSL), promote sustainable environmental practices associated with solid waste disposal and provide the most cost-effective services to their customers and WPWMA has identified excess portions of its lands adjacent to the WRSL that could be made available for private enterprise.

WPWMA has an interest in assisting existing and new private enterprises that utilize portions of the WPWMA waste stream to produce commercially viable products and/or services, possibly on-site and WPWMA views support of specific research that will enhance WPWMA's solid waste diversion, improve current reuse/recycling processes or provide better environmental sustainability for waste disposed at the WRSL.

CCIE's Mission is to be a regional hub for entrepreneurial education and support to start-up businesses, and California State University, Sacramento has world class faculty performing research in a wide variety of areas, including those that may benefit WPWMA and its customers.

Scope of Services

On an as needed basis WPWMA and CCIE may enter into individual scopes of work ("Work Order") to provide services typically, but not limited to, the purpose of:

1. Attracting, assisting or mentoring businesses that utilize WPWMA's waste stream as a source of raw materials for beneficial use; or
2. Sponsoring or partnering in research and evaluation of technologies that WPWMA finds may develop new ways to utilize its waste stream, divert materials from the WRSL for beneficial use or minimize impacts associated with solid waste operations.

The Work Order will include a description of the services to be performed broken down by task, deliverables, cost per task and a schedule for completion of the Work Order.

At a minimum WPWMA and CCIE will meet twice a year to discuss possible partnership opportunities that could become a Work Order.

Principal Contacts

The following shall be principal contacts for each organization

WPWMA
3033 Fiddymont Road
Roseville, CA 95747
Attention: Executive Director

CCIE
Library 1520, MS 6091
6000 J Street
Sacramento, CA 95819
Attention: Executive Director

Compensation

Compensation for each Work Order will be as outlined within each approved Work Order. No more than 90% of the maximum compensation under a work order shall be paid prior to the satisfactory completion of the Work Order.

WPWMA shall make final payment for all services associated with a Work Order within 60 days after CCIE has provided any deliverables as required by the Work Order.

SAMPLE

GENERAL PROVISIONS

1. GOVERNING LAW

This Agreement shall be construed in accordance with and governed by the laws of the State of California.

2. ENDORSEMENT

Nothing contained in this Agreement shall be construed as conferring on any party hereto, any right to use the other party's name, trademark, or logo as an endorsement of service or to advertise, promote or otherwise market any product or service without the prior written consent of the other party. Furthermore nothing in this Agreement shall be construed as endorsement of any commercial product or service by the University its officers or employees.

3. NON-DISCRIMINATION POLICY

During the performance of this Contract, neither party shall not unlawfully discriminate, harass or allow harassment, against any employee or applicant for employment because of sex, sexual orientation, race, color, ancestry, religious creed, national origin, disability (including HIV and AIDS), medical condition, age, marital status, and denial of family care leave. Both parties shall insure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment.

4. INDEMNIFICATION

WPWMA shall defend, indemnify, and hold Sacramento State its officers, employees, and agents harmless from and against any and all liability, loss, expense (including reasonable attorneys' fees), or claims for injury or damages arising out of the performance of this Agreement but only in proportion to and to the extent such liability, loss, expense, attorneys' fees, or claims for injury or damages are caused by or result from the negligent or intentional acts or omissions of WPWMA its officers, employees or agents.

5. DEPOSIT OF REVENUES IN APPROPRIATE UNIVERSITY ACCOUNTS

All monies received by the University, its divisions, departments, and centers as a result of the execution of this agreement shall be deposited in an appropriate University account.

6. INSURANCE REQUIREMENTS

Evidence of Insurance, Certificates of Insurance or other similar documentation shall not be required of either party under this agreement.

7. ASSUMPTION OF RISK / ADDITIONAL EXPENDITURES

Any entity which is a party to this agreement with the University, shall assume the risk of personal injury and property damage attributable to the willful acts, omissions or negligence of that entity, its officers, employees and agents. In the event that the entity is required to obtain any permit, license or authorization as a prerequisite to performing its obligations under this agreement, those costs shall be borne by the entity required to obtain the permit, license or authorization.

8. AMENDMENTS

This Agreement may be amended at any time by mutual agreement of the parties without additional consideration, provided that before any amendment shall take effect, it shall be reduced to writing and signed by both parties.

9. TERMINATION AND STOP WORK

Either party may terminate for convenience this Agreement or any individual Work Order by giving the other party at least thirty (30) days' written notice before the effective date of termination. Termination of this Agreement shall not affect the rights and obligations of the parties, which shall have accrued prior to termination.

In the event this Agreement is terminated by WPWMA, WPWMA shall remain responsible for payment to CCIE for all work performed through the date of termination. Upon termination of this Agreement, the Parties shall determine the ownership and control of the information compiled and deliverables prepared during the term of the Agreement and any outstanding Work Order.

WPWMA may, by written notice, direct CCIE to suspend work on any Work Order. Upon receipt of the notice, CCIE shall take all reasonable steps to minimize the incurrence of costs allocable to the Work Order. Upon conclusion of the work stop period WPWMA and CCIE will meet to discuss the potential impacts to the Work Order and make any necessary adjustments to scope, cost or schedule.

10. FORCE MAJEURE

No fault, delay or failure to perform on the part of the internal or external entity that is party to this Agreement shall be considered a default, delay or failure to perform is otherwise chargeable, if such a default, delay or failure to perform is due to causes beyond either party's reasonable control.

11. ASSIGNMENTS

Neither party shall voluntarily or by operation of law, assign or otherwise transfer this Agreement without the other party's prior written consent. Any purported assignment in violation of this paragraph shall be void.

12. COUNTERPARTS

This Agreement may be executed in any number of counterparts, each of which shall be deemed an original, but all such counterparts together shall constitute one and the same instrument.

13. SEVERABILITY

In the event that any provision of this agreement shall be held invalid by a court or administrative law judge, such holding shall not invalidate or render unenforceable any other provisions thereof. However, should such a breach go to the whole contract, then the entire contract is deemed unenforceable.

14. CAPTIONS

Captions and headings in this Agreement are solely for the convenience of the parties, are not a part of this Agreement and shall not be used to interpret or determine the validity of this Agreement or any of its provisions

15. USE OF UNIVERSITY FACILITIES

Use of University facilities by WPWMA is authorized only as outlined in Exhibit "A" of this agreement.

16. INDEPENDENT STATUS

It is understood and agreed that the parties to this Agreement are independent contractors and that no relationship of employer-employee exists between the parties hereto.

17. USE OF LOGO OR MARKS

Neither party to this agreement shall use or permit to be used the name, symbols, service marks, trademarks, and/or logos of the other party without prior written consent.

18. EXAMINATION AND AUDIT

For agreements in excess of \$10,000, WPWMA shall be subject to the examination and audit by:

- (a) the Office of the University Auditor, and
- (b) the California State Auditor, for a period of three (3) years after final payment under the Contract.

The examination and audit shall be confined to those matters connected with the performance of the contract, including, but not limited to, the costs of administering the Contract. Note: Authority Cited Government Code Section 8546.7; Education Code Section 89045 (c&d), respectively.

19. COMPLIANCE WITH NLRB ORDERS

WPWMA declares under penalty of perjury under the laws of the State of California that no more than one final, unappealable finding of contempt of court by a federal court has been issued against Contractor within the immediately preceding two-year period because of Contractor's failure to comply with an order of a federal court to comply with an order of the National Labor Relations Board. Note: Cite Authority: PCC 10296

20. DRUG-FREE WORKPLACE CERTIFICATION

Both parties certify that they shall comply with the requirements of the Drug-Free Workplace Act of 1990 and shall provide a drug-free workplace.

21. EXPATRIATE CORPORATIONS

WPWMA declares and certifies that it is not an expatriate corporation, and is not precluded from contracting with the University by The California Taxpayer and Shareholder Protection Act of 2003, Public Contract Code Section 10286, et seq.

22. NOTICES

All Notices, demands or communications to this Agreement shall be sent to the following:

WPWMA

WPWMA Executive Director
3033 Fiddymont Road
Roseville, CA 95747

UNIVERSITY

Contract Management Specialist
Procurement and Contract Services
6000 J Street, MS 6008
Sacramento, Ca 95819

CCIE

CCIE Executive Director
6000 J Street, MS 6091
Sacramento, CA 95819

23. PROPRIETARY AND CONFIDENTIAL INFORMATION

WPWMA and CCIE may choose, from time to time, in connection with a Work Order, to disclose proprietary or confidential information to each other (Confidential Information). All such disclosures must be in writing and marked as "Confidential Information". The Parties will use reasonable efforts to prevent the disclosure to unauthorized third parties to the extent allowed by law.

24. OWNERSHIP OF DELIVERABLES AND PUBLICATION

WPWMA shall own all deliverables that result from this Agreement. WPWMA grants the University and CCIE the right to publish the methods and results of work performed under this Agreement and they shall be free to present the same at conferences or meetings. Any use by WPWMA of preliminary reports, raw data or other incomplete material delivered by CCIE shall be at WPWMA's sole risk for such use.

25. ENTIRE AGREEMENT

This Agreement including future Work Orders constitutes the entire agreement between the parties and fully supersedes any and all prior agreements or understandings, written or oral, between the parties pertaining to the subject matter hereof.

SAMPLE