

ITEM # 19-0863

**SANTA FE SOLID WASTE MANAGEMENT AGENCY
AMENDMENT No. 8
PROFESSIONAL SERVICES AGREEMENT
CDM SMITH INC.
(On-Call Engineering Services - 2016)**

This AMENDMENT No. 8 (the "Amendment") to the PROFESSIONAL SERVICES AGREEMENT, dated October 20, 2016 (the "Agreement"), is made and entered between the Santa Fe Solid Waste Management Agency ("Agency") and CDM Smith Inc. ("Contractor"). The Amendment shall be effective as of the date this Amendment is executed by the Agency.

RECITALS

Under the terms of the Agreement, Contractor has agreed to provide on-call engineering services (RFP No. '16/35/P).

Pursuant to Article 19, Amendment of the Agreement, and for good and valuable consideration, the receipt and sufficiency of which are acknowledged by the parties, the Agency and Contractor agree as follows:

1. SCOPE OF SERVICES

Article 1, Scope of Services of the Agreement is hereby amended to include Task 1.9 - October 2019 Volumetric Survey (formerly December 2018 Volumetric Survey), Task 5.2 - East Phase Base Grade Design and Task 5.3 - Landfill Management Plan Updates, add additional compensation for Task 4 – BuRRT Wetland System Liner Replacement and for Task 7 – Landfill Cell 6B Design, and reallocate remaining funds from Tasks 1, 1.7 and 1.8 - Caja del Rio Landfill Surveys and Volumetric Calculations, from Task 2 – Landfill Excavation and from Task 5 – Miscellaneous Engineering Support to Tasks 1.9, 4, 5.2, 5.3 aforementioned and as described in Exhibit A attached hereto.

2. COMPENSATION

Article 3, Compensation of the Agreement is hereby amended to increase the amount of compensation by a total of Thirty-Six Thousand Eight Hundred Sixteen Dollars and No Cents (\$36,816.00) so that Article 3 reads in its entirety as follows:

A. The Agency shall pay to Contractor in full payment for services rendered, a sum not to exceed Six Hundred Thirty Thousand Four Hundred Ninety-Two Dollars and No Cents (\$630,492.00), including applicable gross receipts taxes pursuant to the cost estimate as contained in Exhibit A.

DESCRIPTION	AMOUNT
ORIGINAL CONTRACT	\$242,465.00
AMENDMENT NO. 1	\$38,383.00
AMENDMENT NO. 2	\$0.00
AMENDMENT NO. 3	\$74,227.00
AMENDMENT NO. 4	\$0.00
AMENDMENT NO. 5	\$4,100.00
AMENDMENT NO. 6	\$233,290.00
AMENDMENT NO. 7	\$1,211.00
AMENDMENT NO. 8	\$36,816.00
CONTRACT TO DATE	\$630,492.00

B. Contractor shall be responsible for payment of gross receipts taxes by the State of New Mexico on the sums payable under this Agreement.

C. Payment shall be made upon receipt and approval by the Agency of reasonably detailed invoices describing the services performed. Invoices shall be rendered not more than once each month. Compensation shall be paid only for services performed.

D. Detailed invoices containing reimbursement expenses shall be itemized.

3. TERM AND EFFECTIVE DATE

Article 5, Term and Effective Date of the Agreement is amended to extend the term of the Agreement, so that Article 5 reads in its entirety as follows:

A. This Agreement shall be effective when signed by the Agency and terminate on October 20, 2020, unless it is terminated sooner pursuant to Article 6 below.

B. Pursuant to the limitations on multi-term contracts for professional services codified in NMSA 1978 § 13-1-150, this Agreement may not exceed four years, including all extensions and renewals. Subject to that limitation, the Agreement can be renewed annually, if agreed upon by the Agency and Contractor.

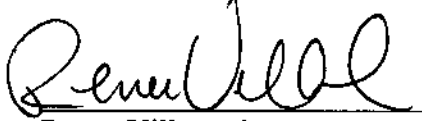
4. AGREEMENT IN FULL FORCE

Except as specifically provided in this Amendment, the Agreement remains and shall remain in full force and effect, in accordance with its terms.

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IN WITNESS WHEREOF, the parties have executed this AMENDMENT No. 8 to the Santa Fe Solid Waste Management Agency Professional Services Agreement as of the dates set forth below.

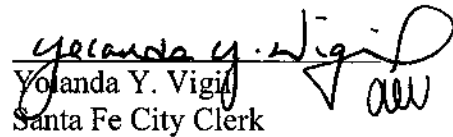
SANTA FE SOLID WASTE MANAGEMENT AGENCY:



Renee Villarreal
Chair, Joint Powers Board

10/17/19
Date:

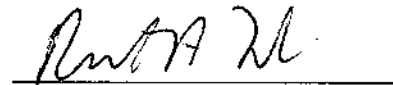
ATTEST:



Yolanda Y. Vigil
Santa Fe City Clerk

11-6-19
Date: Received

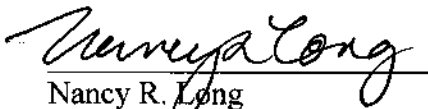
CONTRACTOR:



Robert A. Fowlie
Client Services Leader
CDM Smith Inc.

10-28-19
Date

APPROVED AS TO FORM:



Nancy R. Long
Agency Attorney

10-17-19
Date:



6001 Indian School Road NE, Suite 310
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tel: 505-243-3200
fax: 505-243-2700

October 10, 2019

Mr. Randall Kippenbrock, P.E.
Executive Director
Santa Fe Solid Waste Management Agency
149 Wildlife Way
Santa Fe, New Mexico 87506-8342

Subject: Santa Fe Solid Waste Management Agency
On-Call Engineering Services Contract: Amendment #8 (Updated)

Dear Mr. Kippenbrock:

CDM Smith Inc. (CDM Smith) is pleased to provide the Santa Fe Solid Waste Management Agency (SFSWMA) with Amendment No. 8 to our 10/20/2016 On-Call Engineering Services Contract. This Amendment includes several Tasks as discussed with SFSWMA during our meeting on August 28, 2019:

Task 1.9: December 2018 Volumetric Calculations

Task 4.0: BuRRT Wetlands Liner Replacement System – Request for Additional Compensation for Survey and CQA Services, and to update fee schedule to 2018-2019 rates

Task 5.2: (Miscellaneous Services) East Phase Basegrade Design

Task 5.3: (Miscellaneous Services) Landfill Management Plan Updates

Task 7.0: Landfill Cell 6B Design - Request for Additional Compensation for Bid Phase Services

In addition, CDM Smith is seeking to renew our contract for an additional year, i.e., through 10/20/2020. Robert Fowlie, P.E. will continue to serve as Client Service Leader for this project, and Dacia Tucholke will continue to serve as the Project Manager for SFSWMA projects. The following sections detail each of the Task Orders identified above. These services will be provided per the terms of our 10/20/2016 On-Call Services Contract with SFSWMA.

Task 1.9 October 2019 Volumetrics (originally December 2018 Volumetric Calculations)

SFSWMA approved Task 1.9 for December 2018 Volumetric Calculations, however this project was cancelled by SFSWMA in early 2019 due to weather issues. Snow prohibited the survey from taking place, and the project was closed. However, SFSWMA has recently requested that an Annual Volumetric Survey be performed for select portions of the Caja del Rio Landfill in early October 2019. CDM Smith has therefore updated the scope and budget for this Task Order to accommodate the





Mr. Randall Kippenbrock, P.E.
October 10, 2019
Page 2

current fee schedule (**Attachment C**), current staffing, and the revised fee for the subcontract survey to accommodate a new limit of survey. CDM Smith is requesting an amendment to this Task 1.9 to perform the October 2019 survey and volumetrics.

Subtask 1.9.1 – Project Management

CDM Smith will perform project management duties including project coordination as necessary to ensure the project is executed in accordance with the approved scope of work and project budget. Project management responsibilities to be completed under this task include telecommunications, maintaining project files, project accounting, budget tracking, scheduling, quality control, procurement, and invoicing.

Deliverables:

- Monthly Status Reports and Invoices will be delivered via email.

Assumptions:

- Project Kickoff Meeting via conference call.
- Project management is based on a maximum project duration of 3 months to accommodate volumetrics surveys and calculations for October 2019.
- No travel is required by CDM Smith staff.

Subtask 1.9.2 – Volumetric Survey and Calculations

CDM Smith will coordinate one aerial topographic survey for portions of the Caja del Rio Landfill for October 2019. This survey will be performed by our pre-qualified subcontractor, Volo Pervidi, LLC. The actual survey date will be based on availability and weather conditions, and SFSWMA will be kept apprised of this information. The resulting survey data will be used by CDM Smith to determine topography of specific areas for use in volumetric calculations. The Survey Limits for October 2019, provided by SFSWMA, are depicted on the Figure provided in **Attachment A. Table 1** summarizes the Caja del Rio Landfill survey areas and estimated acreages for October 2019.

Table 1. October 2019 Survey Areas & Acreages

October 2019 Survey	
Compost, Mulch, and Manure Piles	25.9
East Phase Borrow Area	38.6
Basalt Piles & West Phase Activity Areas	46.7
West Phase Active Area and Cell 6B/6A Wedge	51.1
Total Acreage	162.3



Mr. Randall Kippenbrock, P.E.
October 10, 2019
Page 3

Table 2 summarizes the volumetric calculations that will be performed, based on the survey data:

Table 2. October 2019 Volumetric Calculations

Item	October 2019
Unprocessed basalt pile	X
Processed basalt piles	X
Borrow soil area	X
Compost piles	X
Mulch Piles	X
Manure Piles	X
Volume of airspace consumed in Active Area from previous survey through current survey	X
Remaining airspace in West Phase (Cells 1-6) to final permitted top of waste	X
Total West Phase airspace consumed through current survey (excluding final cover and drainage layer)	X
Total Permitted West Phase airspace available for waste disposal (excluding final cover and drainage layer)	X
Remaining airspace available in West Phase Active Area for waste disposal	X
Total Future East Phase airspace available (including final cover and drainage layer)	X

Note: "X" = volumetric calculation will be performed

Volumetric calculations will be completed using the methodology described in the recent Caja del Rio Landfill Volumetric Calculations reports (e.g., June 2018, December 2017). A draft report for October 2019 summarizing the volumetrics will be submitted to SFSWMA for review and comment approximately one week after the survey data is received by CDM Smith. Comments will be incorporated into the final draft and submitted to SFSWMA for use in the Caja del Rio Landfill Annual Report, required by the New Mexico Environment Department's (NMED) Solid Waste Bureau (SWB).

Deliverables:

- Draft and Final Reports for Caja del Rio Volumetric Calculations (October 2019)



Mr. Randall Kippenbrock, P.E.
October 10, 2019
Page 4

Assumptions:

- Survey Limits will remain consistent with those depicted for October 2019 (**Attachment A**). Changes to the survey limits may increase the cost of survey.
- No travel is required by CDM Smith staff.

Cost Estimate

The work effort for this proposal will be performed by CDM Smith on a time and materials basis in accordance with the terms and conditions of our 10/20/2016 On-Call Services Contract. The original estimated cost for Task 1.9 December 2018 Volumetrics was \$18,738 including NMGR. The revised cost the October 2019 Volumetrics is \$21,715, including NMGR, as detailed in the attached Cost Estimate (**Attachment B.2**). We are requesting to amend Task 1.9 for an additional \$2,977 (including NMGR). The basis of payment will be on a not-to-exceed billing rate basis, using rates from the CDM Smith Schedule of Hourly Billing Rates 2018-2019, provided as **Attachment C**. Existing funds from Task 1 and Task 5 were moved into Task 1.9 (see **Attachment B.1.A and B.1.B**) to cover the additional \$2,977.

Schedule

This Task Order assumes a maximum three-month timeframe, commencing in October 2019 and concluding at the end of December 2019. Once CDM Smith receives notice to proceed from SFSWMA, we will schedule the October 2019 flyover and notify SFSWMA of the proposed date. The Draft Volumetric Report will be completed and submitted to SFSWMA within 7 days (one week) after the survey has been completed.



Mr. Randall Kippenbrock, P.E.
October 10, 2019
Page 5

Task 4.0 – BuRRT Wetlands Liner Replacement System – Request for Additional Compensation for Survey and CQA Services, and to Update Fee Schedule to 2018-2019 rates

Task 4 was originally scoped in 2016 and approved in the 2016 On-Call Engineering Services Contract. Notice to Proceed for Task 4 was not previously issued; however, the pond liner tore during high winds at the end of May 2019 which prompted SFSWMA to initiate this project. Robert Fowlie, P.E. visited the BuRRT facility on May 28, 2019 to review the damaged pond liner and discuss the scope of the project. In an email dated June 25, 2019, SFSWMA directed CDM Smith to proceed with the replacement of the liner and defined the scope of the project as follows:

- Remove and replace existing liners with 60 mil HDPE liner in the evaporation pond and constructed wetlands area.
- Explore possibility of using a colored liner (tan, brown, or green).
- Remove and replace materials in the constructed wetlands area.
- Pump septic tank and dispose of free liquids at the WWTP.
- Protect existing piping from the septic tank and between ponds.
- Remove existing fencing and install new fencing and signs.
- Providing bidding and engineering services during construction

After reviewing the 2016 scope and fee for Task 4, CDM Smith requests an amendment to update the scope and fee based on the revised scope of work as follows:

1. Provide a topographic survey of the two ponds (constructed wetlands and evaporation) for design of the new liner, constructed wetlands and miscellaneous improvements.
2. To update design, bid, and construction services scope and fee based on the new scope of work. The 2016 scope of services did not adequately address the level of effort required to complete this project, particularly in the area of bidding and engineering services during construction. This amendment provides adequate budget to complete the project and meet the expectations of the SFSWMA.
3. To include coordination for Groundwater Quality Bureau Review and approval of the final plans and specifications per the approved Corrective Action Plan.
4. To extend the project timeline into 2020 to include award of the contract in approximately February 2020; with construction beginning as early as March 2020 (pending liner material manufacturing, testing, and delivery timelines).



Mr. Randall Kippenbrock, P.E.
October 10, 2019
Page 6

5. To update rates to match the currently approved 2019 rates and available staff.

The revised scope for Task 4, BuRRT Wetland Liner System Replacement is provided below.

Subtask 4.1 – Project Management

CDM Smith will provide effective communications with the SFSWMA, coordination, and project management during the design, bidding, and construction of the project. CDM Smith will perform project management duties including project coordination as necessary to ensure the project is executed in accordance with the approved scope of work and project budget. Project management responsibilities to be completed under this task include telecommunications, maintaining project files, project accounting, budget tracking, scheduling, quality control, and invoicing.

Assumption:

- Project duration is estimated to be six months, including construction.

Deliverable:

- Monthly invoices for CDM Smith services

Subtask 4.2 – Design

This task includes a topographic survey and development of plans and specifications at 60-percent level design and the final design for the BuRRT Wetland System Liner Replacement.

4.2.1 Topographic Survey

CDM Smith will utilize our subcontractor, Professional Surveying, LLC, to perform a topographic survey of the BuRRT pond system and adjacent area. The topographic survey will be used for the design of the new liner and constructed wetlands.

Assumption:

- The survey data will be provided to CDM Smith within one week of completion of fieldwork by Professional Surveying, LLC.

Deliverable:

- Topographic survey data

4.2.2 60-Percent Design

Drawings and specifications will be prepared to the 60-percent level in order to provide a point of review for the SFSWMA and for CDM Smith's internal quality control checking prior to preparing final design documents. The major activities under this task will include the following items:

- 60-percent drawings for the installation of the liner and the constructed wetlands.



Mr. Randall Kippenbrock, P.E.
October 10, 2019
Page 7

- 60-percent Engineer's opinion of probable construction costs.
- 60-percent technical specifications.
- One review meeting to be held at CDM Smith's Albuquerque office to review comments for the 60% design and specifications documents.

Assumptions:

- The new (2019) topographic survey will form the basis of design
- The design drawings will be prepared using AutoCAD and CDM Smith's AutoCAD standard conventions will be followed during preparation of drawings.

Deliverable:

- Three (3) sets of 60-percent drawings (11-inch by 17-inch) and specifications.

4.2.3 Final Design

CDM Smith will provide a final design based on the SFSWMA's comments and CDM Smith's internal review of the 60-percent design. The final design will be used to prepare documents for bidding of the project. The major activities under this task will be to prepare a final design package, meet with the SFSWMA to discuss final review comments, conduct Quality Assurance/Quality Control reviews, prepare the final design and technical specifications for the project, and provide a final Engineer's opinion of probable construction cost. CDM Smith will prepare contract documents in accordance with the SFSWMA's procurement procedures.

4.2.4 GWQB Coordination

SFSWMA is required to submit the final construction plans and specifications to the New Mexico Environment Department's Groundwater Quality Bureau (GWQB) for review, based on the approved Corrective Action Plan (prepared by BlueWater Environmental Consulting, LLC, June 2019). CDM Smith will coordinate with GWQB and provide up to three copies each of the 11 x 17-inch plans and the specifications, as well as an electronic copy (PDF on CD) of the plans and specifications. This task assumes that CDM Smith will coordinate with GWQB via telecommunications, and that there will be one round of GWQB review. It is also assumed that GWQB's review comments will result in little to no edits to the plans and specifications. If GWQB's review comments require more than four hours of CAD work and Engineering review, an amendment will be requested. GWQB's approval is required before the bidding and construction phases commence.

Assumption:

- One review meeting to be held and CDM Smith's Albuquerque office to review SFSWMA comments for the final design and specifications documents.
- Coordination with GWQB will be done via telecommunications and no travel is required.



Mr. Randall Kippenbrock, P.E.
October 10, 2019
Page 8

- GWQB's review comments are assumed to require little to no edits; if work in excess of four hours of CAD time and engineering review is required, an amendment will be requested.

Deliverables:

- Final Engineer's opinion of probable construction cost.
- Final drawings and specifications (three half-size sets for the SFSWMA's use).
- One master 22-inch by 34-inch paper plotted set of bid package drawings.
- Electronic drawing and specification files in Adobe portable document format (.pdf) format on compact disc (CD).

Subtask 4.3 – Bidding and Engineering Services during Construction

CDM Smith will provide bidding phase services and engineering services during construction for the BuRRT wetland system liner replacement project. These services are detailed below.

4.3.1 Bidding Phase Services

Bidding phase services will consist of the following activities:

- Coordinate with Academy Reprographics to post bid documents online.
- Attend a pre-bid conference at SFSWMA's office.
- Address bidders' written questions through addenda.
- Evaluate the bids and recommend award.

Assumptions:

- The SFSWMA will provide CDM Smith with PDFs of the bids for evaluation (CDM Smith will not attend the bid opening)
- The SFSWMA will prepare and execute contract documents approved by the SFSWMA's Joint Powers Board.
- The SFSWMA will prepare and issue the Notice to Proceed to the contractor.
- The SFSWMA will prepare the advertisement and advertise the RFB in local newspapers.
- CDM Smith will provide the RFB to Academy Reprographics for posting on their website.
- CDM Smith will prepare up to two addenda during advertisement.
- CDM Smith will maintain a bidders list based on the pre-bid meeting attendees.



Mr. Randall Kippenbrock, P.E.
October 10, 2019
Page 9

Deliverables:

- Addenda (2)
- Recommendation to Award Letter including bid tabulation

4.3.2 Engineering Services During Construction

Engineering services during construction will consist of the following activities:

- Attend the pre-construction meeting.
- Review contractor's submittals.
- Respond to contractor's requests for information (RFIs).
- Prepare and review of change orders.
- Review and approval of contractor's applications for payment.
- Answer contractor's questions during construction.
- Onsite inspections (24 hours equivalent to three full days, including travel)
- Site walkthrough at final completion.
- Prepare record drawings.

Assumptions:

- Onsite inspections consist of 24 hours of inspection time
- One site walkthrough at final completion will be conducted.
- Assumed construction duration of approximately 90 days (3 months), including removal of the accumulated sludge and pumice and liner, installation of new liner and site cleanup.

Deliverables:

- Copies of the RFIs, written response, and supporting information to be cataloged with the project files and turned over to the SFSWMA after project closeout.
- One (1) copy of CDM Smith submittals will be maintained in the construction project files to be turned over to the SFSWMA upon completion of the construction.
- Final change orders ready for approval, accompanied by costs, specifications, sketches, and schedule documentation will be transmitted to the SFSWMA
- Three (3) hard copies of full-size record drawings and specifications, as well as electronic files on CD (.pdf format).



Mr. Randall Kippenbrock, P.E.
October 10, 2019
Page 10

Cost Estimate

The updated Cost Estimate for Task 4 – BuRRT Wetland System Liner Replacement is provided as **Attachment B.3**. The original fee was \$24,412 (including 2016 NMGR). The proposed fee increase is \$44,764 including NMGR, bringing the Task 4 fee total (upper limit) to \$69,176 including NMGR of 7.875%. Compensation to the increased upper limit is requested consistent with the terms and conditions of the 2016 On-Call Engineering Services Contract. The basis of payment will be on a not-to-exceed billing rate basis, using rates from the CDM Smith Schedule of Hourly Billing Rates 2018-2019, provided as **Attachment C**. A total of \$10,853 is available to transfer from Task 5 into Task 4, therefore we are requesting an additional \$33,911 for Task 4 as shown in (**Attachment B.1.A and B.1.B**).

Schedule

This Task Order assumes a maximum fourteen-month timeframe, commencing in June 2019 and concluding at the end of July 2020. The 60% Design was provided to SFSWMA on September 10th, 2019. SFSWMA will provide comments during October 2019, and CDM Smith will provide the final design at the end of October 2019. The final design will be submitted to GWQB by early November 2019. Bidding phase services will commence once GWQB approves the final plans and specifications. Construction is anticipated to start as early as March 2020 pending contractor award and timelines for liner material manufacturing, testing, and delivery. The duration of construction is estimated to be 90 days.



Mr. Randall Kippenbrock, P.E.
October 10, 2019
Page 11

Task 5.0 – Miscellaneous Engineering Support

Per the 2016 On-Call Services Contract, Task 5 is for “Miscellaneous Engineering Support”. A portion of the Task 5 budget was previously approved (Task 5.1) for use for a kickoff meeting, site visit to evaluation BuRRT repairs and preparation of findings and a proposal; and updated landfill boundary map; preparation of a schedule for LP-1; and financial tracking and project management support for these activities. SFSWMA has requested two additional tasks under Task 5 for East Phase Basegrade Design (Task 5.2), and for Landfill Management Plan Updates (Task 5.3). These Task Orders are detailed in the sections below. As part of this Amendment, the remaining budget for Task 2.0 (Landfill Excavation Plan) was transferred to Task 5.0 (Miscellaneous Engineering Support) per SFSWMA as shown on the Budget Status Summary table provided as **Attachment B.1.A and B.1.B**. Available budget from Task 5 was transferred to fund Task 5.2, Task 5.3, a portion of Task 1.9, and a portion of Task 4 (see **Attachment B.1.A and B.1.B**).

Subtask 5.2 – East Phase Basegrade Design

SFSWMA is currently excavating portions of the East Phase landfill cells and East Stormwater Channel for use as a borrow source for cover material for the West Phase landfill. SFSWMA has requested updates to the basegrade design for the East Phase landfill cells (7to 11) and re-alignment of the East Stormwater Channel, as discussed during CDM Smith’s meeting with SFSWMA on 8/28/2019.

5.2.1 Project Management

CDM Smith will conduct a project kickoff meeting via conference call to discuss the scope of work, budget, schedule, and to identify project milestone dates. We will prepare a meeting agenda, handouts, and a summary for the kickoff meeting. CDM Smith will perform project management duties including project coordination as necessary to ensure the project is executed in accordance with the approved scope of work and project budget. Project management responsibilities to be completed under this task include telecommunications, maintaining project files, project accounting, budget tracking, scheduling, quality control, and invoicing.

Deliverables:

- Monthly Status Reports and Invoices will be delivered via email.
- Kick-Off Meeting Summary.

Assumptions:

- Project Kickoff Meeting via conference call.
- Project Management is based on a maximum project duration of 5 months.
- No travel is required by CDM Smith staff.



Mr. Randall Kippenbrock, P.E.
October 10, 2019
Page 12

5.2.2 Construction Plans

The East Phase landfill cells currently have a 3:1 interior slope design; these slopes will be revised to a 4:1 interior slope design in order to mitigate erosion. SFSWMA is self-performing excavation of the East Phase landfill cells and East Stormwater Channel in order to obtain soil for use as landfill cover for the West Phase landfill. As currently designed, the East Stormwater Channel cuts into the eastern perimeter haul road. The channel will be realigned to preserve use of the road. The channel will be shifted to the west, which will also result in the need to re-design the landfill cells on the southern end of the East Phase in order to accommodate the channel. The design changes to these landfill cells will decrease the East Phase airspace.

CDM Smith's Designer Drafter will use the approved Permit drawings (2015) for the East Phase Landfill and East Stormwater Channel as the basis for the design. These permit plans will be updated for use as construction plans them by SFSWMA for excavation of these areas as a borrow source. The plan set is anticipated to include:

- Coversheet
- East Phase Site Plan and Sheet Layouts
- Proposed East Phase Landfill – Base Grading Plan and Leachate Collection System (North)
- Proposed East Phase Landfill – Base Grading Plan and Leachate Collection System (South)
- Proposed East Phase Landfill – Cross Sections I
- Proposed East Phase Landfill – Cross Sections II

CDM Smith will submit a Draft plan set for SFSWMA review and approval and meet with SFSWMA to review comments at CDM Smith's Albuquerque office. SFSWMA's comments will be incorporated into the final plan set. A quality control review of the Draft and Final plan set will be performed by a CDM Smith senior engineer.

Assumptions:

- One meeting with SFSWMA at CDM Smith's Albuquerque Office to review comments on the Draft plan set.
- A Solid Waste Facility Permit Modification is not required.
- NMED submittal, review, and response is not required.
- Updated calculations are not required.



Mr. Randall Kippenbrock, P.E.
October 10, 2019
Page 13

Deliverables:

- Draft Plans – PDF (email) and three hard copies of half size (11 x 17) drawings
- Final Plans - three hard copies of half-size (11 x 17) drawings
- Final Plans - PDF of full-size drawings (CD)
- Final Plans - 3D models for use with GPS System, based on the site's coordinate system (CD)

Cost Estimate

The work effort for this proposal will be performed by CDM Smith on a time and materials basis in accordance with the terms and conditions of our 10/20/2016 On-Call Services Contract. The estimated cost for Task 5.2 East Phase Basegrade Design is \$26,532 including NMGR of 7.875% (\$24,595 excluding NMGR), as detailed in the attached Cost Estimate (Attachment B.4). The basis of payment will be on a not-to-exceed billing rate basis, using rates from the CDM Smith Schedule of Hourly Billing Rates 2018-2019, provided as **Attachment C**. Remaining budget from Task 5 was transferred to Task 5.2 to cover the budget of \$26,532 (see **Attachment B.1.A and B.1.B**).

Schedule

This Task Order assumes a maximum five-month timeframe, commencing in November 2019 and concluding in March 2020. Once CDM Smith receives notice to proceed from SFSWMA, we will schedule the kickoff conference call, including identification of project milestones, and initiate design updates.

Subtask 5.3 – Landfill Management Plan Updates

SFSWMA's Solid Waste Facility Permit for the Caja del Rio Landfill was approved by NMED SWB in 2015 and includes several landfill management plans for the facility. These plans were prepared by CDM Smith and Bluewater Environmental Consulting LLC (Bluewater) as part of the permitting effort. SFSWMA would like to update select portions of these plans to incorporate additional and revised information regarding operational practices at the facility. Administrative updates to these plans are required to be submitted to the New Mexico Environment Department (NMED) Solid Waste Bureau (SWB) for final review and approval.

5.3.1 Project Management

CDM Smith will conduct a project kickoff meeting via conference call to discuss the scope of work, budget, schedule, and to identify project milestone dates. We will prepare a meeting agenda, handouts, and a summary for the kickoff meeting. CDM Smith will perform project management duties including project coordination as necessary to ensure the project is executed in accordance with the approved scope of work and project budget. Project management responsibilities to be completed under this



Mr. Randall Kippenbrock, P.E.
October 10, 2019
Page 14

task include telecommunications, maintaining project files, project accounting, budget tracking, scheduling, quality control, and invoicing.

Deliverables:

- Monthly Status Reports and Invoices will be delivered via email.
- Kick-Off Meeting Summary.

Assumptions:

- Project Kickoff Meeting via conference call.
- Project Management is based on a maximum project duration of 4 months.
- No Travel is required by CDM Smith staff.

5.3.2 Plan Updates

CDM Smith met with SFSWMA on 8/29/2019 to review the landfill management plans and potential updates required. CDM Smith was responsible for preparation of three of the plans that may require updates based on the 8/29/2019 meeting:

- Permit Volume II, Exhibit 1 – Operations Plan
- Permit Volume II, Exhibit 3 – Alternative Waste Handling Plan
- Permit Volume II, Exhibit 6 – Landfill Closure/Post-Closure Care Plan

CDM Smith will revise or update portions of these plans in consultation with SFSWMA to address the following items as discussed during our 8/29/2019 meeting:

- Working face size
- Litter control
- Lift height
- Equipment
- Recordkeeping
- Refrigerant language
- Tire management clarifications
- Licensing oversight clarifications



Mr. Randall Kippenbrock, P.E.
October 10, 2019
Page 15

- Site Plan
- Fill progression
- Portable fencing
- Vectors

Updates will be made in “track-changes” format for ease of review by SFSWMA and NMED SWB. Draft and Final Plan updates will be reviewed by the project manager prior to submittal to SFSWMA. One meeting will be held with SFSWMA at CDM Smith’s Albuquerque office to review comments from SFSWMA. Comments will be included in the updated version and submitted to NMED SWB for review and approval. CDM Smith anticipates one request for additional information from NMED SWB prior to finalizing the documents. Coordination with Bluewater may be necessary to provide them with information on the updates required for documents they are responsible for revising. CDM Smith will provide Bluewater with PDFs of the track-changes documents so that they may update their plans accordingly.

Deliverables:

- Draft landfill management plan updates will be provided in track changes format; 2 hard copies and one PDF (via email) will be provided to SFSWMA.
- NMED SWB review – 3 hard copies will be provided in track changes format for regulatory review and approval, incorporating comments from SFSWMA.
- Final landfill management plan updates (with NMED SWB approval) – 2 hard copies and PDF (CD) to SFSWMA and 2 hard copies to NMED SWB.
- Portions of the Final(NMED SWB-approved) plan updates will be provided as PDFs to Bluewater in track changes format (via email).

Assumptions:

- One meeting to review SFSWMA comments on Draft plans to be held and CDM Smith’s Albuquerque office.
- CDM Smith will respond to one request for additional information from NMED SWB.
- A meeting with NMED SWB is not required.
- CDM Smith will not be responsible for updating, reviewing, or submitting documents prepared by Bluewater.
- A meeting with Bluewater is not required.



Mr. Randall Kippenbrock, P.E.
October 10, 2019
Page 16

Cost Estimate

The work effort for this proposal will be performed by CDM Smith on a time and materials basis in accordance with the terms and conditions of our 10/20/2016 On-Call Services Contract. The estimated cost for Task 5.3 Landfill Management Plan Updates is \$15,437 including NMGR of 7.875% (\$14,310 excluding NMGR), as detailed in the attached Cost Estimate (**Attachment B.5**). The basis of payment will be on a not-to-exceed billing rate basis, using rates from the CDM Smith Schedule of Hourly Billing Rates 2018-2019, provided as **Attachment C**. Remaining budget from Task 5 was transferred to Task 5.3 to cover the budget of \$15,437 (see **Attachment B.1.A and B.1.B**).

Schedule

This Task Order assumes a maximum four-month timeframe, commencing in November 2019 and concluding in February 2020. NMED SWB review and approval time can vary. Once CDM Smith receives notice to proceed from SFSWMA, we will schedule the kickoff conference call, including identification of project milestones, and initiate design landfill management plan updates.



Mr. Randall Kippenbrock, P.E.
October 10, 2019
Page 17

Task 7.0 – Request for Additional Compensation for Bidding Services

This is a Request for Additional Compensation for Task 7 – Landfill Cell 6B Design and Task 8 – Landfill Cell 6B Construction Quality Assurance (CQA) constituting Amendment #9 to the On-Call Engineering Services Contract. This amendment is for additional bidding phase services for Landfill Cell 6B (Subtask 7.3).

Subtask 7.3 – Bidding Services

SFSWMA received and opened the bids for the Cell 6B/6A Wedge Liner System Construction project on June 10th, 2019. PDFs of the bids were provided to CDM Smith via email on June 12th, 2019. CDM Smith reviewed the bids and noted in an email to SFSWMA on June 12th, 2019 that the low bidder (Enviroworks) did not provide the bid proposal form in their bid. SFSWMA notified CDM Smith on June 12 that the City of Santa Fe Purchasing Department was rejecting Enviroworks' bid because of the missing bid proposal form and the project was being going to be re-advertised. On June 13, SFSWMA requested that CDM Smith update the bid documents to incorporate the two addenda and update to the front ends, and to provide the updated bid documents to SFSWMA on June 14, 2019 so that the project could be re-bid. CDM Smith prepared the revised bid documents as requested and submitted the updated documents to SFSWMA on June 14, 2019. However, SFSWMA informed CDM Smith that the City was going to accept Enviroworks' bid based on *Instructions for Bidders, Section 19 Paragraph A* which states the Owner reserves the right to reject any or all bids and waive any and all informalities or technicalities **and** the right to disregard all nonconforming or conditional bids or counter bids.

CDM Smith is requesting additional compensation for our effort to revise the bids documents for rebidding as requested by SFSWMA. Our original scope of services did not include re-bidding the project. Due to the tight schedule for turning around the documents, CDM Smith could not submit an amendment prior to performing the out-of-scope work and we are requesting compensation as detailed herein.

Cost Estimate

The Subtask 7.3 fee increased by \$2,905 including NMGR at the current rate of 7.875%. This brings the total Task 7.3 fee to \$18,799 including NMGR. The updated Cost Estimate for Task 7 – Landfill Cell 6B Design and Task 8 – Landfill Cell 6B Construction Quality Assurance (CQA) is provided as **Attachment B.6** (refer to the new line item for Amendment No. 9 under Task 7.3).



Mr. Randall Kippenbrock, P.E.
October 10, 2019
Page 18

Amendment No. 8 Approval

Attachment B.1.A provides a Budget Status Summary; and **Attachment B.1.B** provides a Summary of Budget Requests, including budget available to transfer from other tasks and the total budget requested for this Amendment. We appreciate your review of Amendment No. 8 to our On-Call Engineering Services Contract, and the opportunity to provide ongoing services to SFSWMA. Please contact Dacia Tucholke (Project Manager) at 505.353.3713, or Robert Fowlie (Client Service Leader) at 505.353.3709 with any questions or comments regarding Amendment No. 8. We look forward to continuing to work with SFSWMA.

Sincerely,

A handwritten signature in black ink, appearing to read "Dacia Tucholke".

Dacia Tucholke
Project Manager
CDM Smith Inc.

A handwritten signature in black ink, appearing to read "Robert A. Fowlie".

Robert A. Fowlie, P.E., BCEE
Associate/Client Service Leader
CDM Smith Inc.

Attachments:

- A October 2019 Survey Extents
- B Budget Tables:
 - B.1.A Budget Status Summary
 - B.1.B Summary of Budget Requests
 - B.2 Task 1.9 – Updated Cost Estimate
 - B.3 Task 4.0 – Updated Cost Estimate
 - B.4 Task 5.2 – Cost Estimate
 - B.5 Task 5.3 – Cost Estimate
 - B.6 Task 7.0 – Updated Cost Estimate
- C CDM Smith Schedule of Hourly Billing Rates 2018-2019

cc: File

Oct 2019 Survey Extents

Caja del Rio Landfill:
Compost/Mulch/Manure Areas; Basalt Piles
& West Phase Activity Areas;
West Phase Active Area and Cell
6B/6AWedge; East Phase Borrow Area

Legend

- Oct 2019 Survey Extents

Google Earth

© 2018 Google

Landfill Access Rd



1000 ft

ATTACHMENT B.1.A
AMENDMENT #8 - BUDGET STATUS SUMMARY¹
(Reflecting Budget Remaining as of August 24, 2019)
SFSWMA On-Call Engineering Contract

CDM Smith Task No.	Task Description	Original Contract Budget	Amendment #1	Amendment #2 ²	Amendment #3	Amendment #4 ⁴	Amendment #5 ⁵	Amendment #6 ⁶	Amendment #7 ⁷	Amendment #8 ^{8,9,10,11,12,13}	Budget Subtotal	Budget Remaining
1	Caja del Rio Landfill Surveys and Volumetric Calculations	\$ 72,211	-	-	-	\$ 15,087	\$ (14,638)	-	-	\$ (13)	\$ 72,647	\$ -
1.6	2017/2018 Caja del Rio Landfill Volumetric Calculations	-	-	-	\$ 21,085	\$ -	-	-	-	-	\$ 21,085	\$ -
1.7	Volumetric Calculations for June 2018	-	-	-	-	\$ 10,999	-	-	-	\$ (245)	\$ 10,754	\$ -
1.8	GPS Assistance and Data for Cell 5B Build-Out and Cells 7 and 8 Excavation Area	-	-	-	-	\$ 7,093	-	-	-	\$ (870)	\$ 6,223	\$ -
1.9	October 2019 Volumetrics (originally December 2018 Volumetrics) ^{5,8}	-	-	-	-	-	\$ 18,738	-	-	\$ 2,977	\$ 21,715	\$ 21,130
2	Landfill Excavation Plan ³	\$ 38,640	-	-	-	-	-	-	-	\$ (19,849)	\$ 18,791	\$ -
3	BuRRT Water Lines and Misting System	\$ 57,381	-	-	-	-	-	-	-	-	\$ 57,381	\$ -
4	BuRRT Wetland System Liner Replacement ¹³	\$ 24,412	-	-	-	-	-	-	-	\$ 44,764	\$ 69,176	\$ 51,615
5	Miscellaneous Engineering Support ^{9,10}	\$ 50,000	-	-	-	-	-	-	-	\$ (54,671)	\$ 15,178	\$ 0
5.2	East Phase Basegrade Design ¹¹	\$ -	-	-	-	-	-	-	-	\$ 26,532	\$ 26,532	\$ 26,532
5.3	Landfill Management Plan Updates ¹¹	\$ -	-	-	-	-	-	-	-	\$ 15,437	\$ 15,437	\$ 15,437
6	BuRRT Roof Rehab/Replace	-	-	-	-	-	-	-	-	-	\$ -	\$ -
7	Landfill Cell 6B Design ¹²	-	-	-	-	-	-	\$ 104,368	\$ 1,211	\$ 2,905	\$ 108,484	\$ 2,906
8	Landfill Cell 6B CQA	-	-	-	-	-	-	\$ 128,922	-	-	\$ 128,922	\$ 103,907
9	SFSWMA BuRRT Glass Crusher Area Improvements	-	-	-	\$ 19,963	-	-	-	-	-	\$ 19,963	\$ 11,090
10	BuRRT Floor/Hopper Repair	-	\$ 38,383	-	-	-	-	-	-	-	\$ 38,383	\$ -
11	MRF Removal and Sale/BuRRT Assistance ⁴	-	-	-	\$ 33,179	\$ (33,179)	-	-	-	-	\$ -	\$ -
Totals		\$ 242,644	\$ 38,383	\$ -	\$ 74,227	\$ -	\$ 4,100	\$ 233,290	\$ 1,211	\$ 36,816	\$ 630,671	\$ 343,910

Notes: ¹ All costs shown include NMGR.

² Amendment #2 was to extend the contract term only.

³ Landfill Excavation Plan: Subtasks 2.1 (Project Management) and 2.2 (Excavation Plan) are complete. The budget remaining for Subtask 2.3 of \$19,849 (Geotechnical Borings) was transferred to Task 5.0 per Amendment No. 8.

⁴ Per Amendment #4, the budget for Task 11 was transferred to fund Subtasks 1.7 and 1.8, with the remainder transferred to Task 1 (See also Note #8).

⁵ Per Amendment #5, the budget for Task 1 was transferred to fund Subtask 1.9, and per the Amendment an additional \$4,100 in compensation was added to cover project costs of \$18,738.

⁶ Amendment #6 authorized Tasks 7 and 8 for \$233,290.47.

⁷ Amendment #7 authorized additional surveying funds for \$1,211.

⁸ Per Amendment #8, Task 1.9 is being amended for use for the October 2019 Volumetrics; and \$2,977 in additional costs are required for the October 2019 Volumetrics. Remaining budgets from Task 1 (\$13) Task 1.7 (\$245) and Task 1.8 (\$870) totaling \$1,128 were moved into Task 1.9; and a portion of the budget from Task 5 (\$1,849) was also moved into Task 1.9.

⁹ Per Amendment #8, the remaining budget from Task 2 was transferred to Task 5.2 and 5.3 budgets and a portion of the Task 5 budget was also transferred to Task 5.2 and 5.3. The remaining Task 5 budget was transferred to Task 1.9 (\$1,849) and Task 4 (\$10,853).

¹⁰ The previously invoiced work under Task 5 (\$15,178) included kickoff meeting, site visit to evaluate BuRRT repairs and preparation of findings and a proposal; and updated landfill boundary map; preparation of a schedule for LP-1; and financial tracking and project management support for these activities as listed in Project Progress Reports from 2017.

¹¹ Amendment #8 includes two new tasks - 5.2 and 5.3 as requested by SFSWMA. These tasks utilize existing budgets.

¹² Amendment #8 includes a proposed fee increase of \$2,905 as reflected in the Total for Amendment #8.

¹³ Amendment #8 includes a request for additional funds to cover added scope such as survey, CQA services, etc. A portion (\$10,853) of the \$44,764 requested is covered by moving budget from Task 5 into Task 4; an additional \$33,911 in budget is requested as reflected in the Total for Amendment #8.

ATTACHMENT B.1.B
AMENDMENT #8 - SUMMARY OF BUDGET REQUESTS
SFSWMA On-Call Engineering Contract

Task	Description	Amendment #8 Budget	Available Budget (Transfer from other tasks)	Budget Requested
1.9	October 2019 Volumetrics (originally December 2018 Volumetrics)	\$ 2,977	\$ 2,977	\$ -
4	BuRRT Wetland System Liner Replacement	\$ 44,764	\$ 10,853	\$ 33,911
5.2	East Phase Basegrade Design	\$ 26,532	\$ 26,532	\$ -
5.3	Landfill Management Plan Updates	\$ 15,437	\$ 15,437	\$ -
7	Landfill Cell 6B Design	\$ 2,905	\$ -	\$ 2,905
Totals		\$ 92,615	\$ 55,799	\$ 36,816

ATTACHMENT B.2
Cost Estimate
Task 1.9: December 2018 Volumetric Calculations
SFSWMA On-Call Engineering Services Contract

		Hours								Other	Subconsultant	Markup on Subs	Subtotal	NMGRT	TOTAL
Tasks	Contract Officer Fowlie	Senior Technical Consultant Gabel	Project Manager Tucholke	Designer/ Drafter Doak	Professional II Weispfenning	Senior Contract Administrator	Clerical	Labor Totals		Direct					
										Costs					
		Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	\$	\$	\$	\$	\$	\$
1.9 December 2018 Volumetric Calculations	1	3	12	16	10	5	8	55	\$7,650	\$50	\$11,300	\$1,130	\$20,130	\$1,585	\$21,715
1.9.1 Project Management	1	1	12					14	\$2,450	\$0	\$0	\$0	\$2,450	\$193	\$2,643
1.9.2 Survey and Calculations		2		16	10	5	8	41	\$5,200	\$50	\$11,300	\$1,130	\$17,680	\$1,392	\$19,072
TOTAL	1	3	12	16	10	5	8	55	\$7,650	\$50	\$11,300	\$1,130	\$20,130	\$1,585	\$21,715

Note: The original Cost Estimate for Task 1.9 December 2018 Volumetrics was \$18,738 including NMGR. The revised cost to complete the October 2019 volumetrics is \$21,715 including NMGR; we are requesting an Amendment to Task 1.9 for \$2,977 (including NMGR) to complete the October 2019 volumetrics survey and calculations.

Labor Rates

Contract Officer Fowlie	Senior Technical Consultant Gabel	Project Manager Tucholke	Designer/ Drafter Doak	Professional II Weispfenning	Senior Contract Administrator	Clerical
\$250.00	\$400.00	\$150.00	\$175.00	\$200.00	\$100.00	\$85.00

ODC
Multiplier
0%

Sub
Multiplier
10%

ATTACHMENT B.3
COST ESTIMATE

Task 4.0 BuRRT Task 4 Wetland System Liner Replacement: Request for Additional Compensation for Survey and CQA Services, and to update Fee Schedule to 2018-2019 Rates
SFSWMA On-Call Engineering Services Contract

Title: Name:										ODCs		SUBCONTRACTORS		TOTALS		
	Contract Officer	Sr. Technical Consultant	Prof V (PM)	Prof VII	Prof II	Designer/ Drafter	Clerical	Sr. Contract Admin	Total Hours	Labor Subtotal	ODC Subtotal	Subcontractor Subtotal	Subcontractor With Markup	SUBTOTAL	NMGRT	TOTAL By TASK
	Fowlie	Gabel	Tucholke	Staff	Staff	Doak	Staff	Milodovskaia					10%		7.875%	
2019 Contract Billing Rate:	\$ 230.00	\$ 240.00	\$ 165.00	\$ 200.00	\$ 120.00	\$ 140.00	\$ 85.00	\$ 120.00								
Subtask 4.1 - Project Management																
Project Management and Administration	6		40				16	18	80	\$ 11,500.00	\$ 116.00	\$ -	\$ -	\$ 11,616.00	\$ 914.76	\$ 12,530.76
Task Subtotals	6	0	40	0	0	0	16	18	80	\$ 11,500.00	\$ 116.00	\$ -	\$ -	\$ 11,616.00	\$ 914.76	\$ 12,530.76
Subtask 4.2 - Design																
Topographic Survey - BuRRT Ponds			2		2	2			6	\$ 850.00	\$ -	\$ 3,700.00	\$ 4,070.00	\$ 4,920.00	\$ 387.45	\$ 5,307.45
Construction Plan Preparation	2	2	2		20	48	4		78	\$ 10,730.00	\$ -	\$ -	\$ -	\$ 10,730.00	\$ 844.99	\$ 11,574.99
Contract Documents and Technical Specifications	2	2	2		28	4	10		48	\$ 6,040.00	\$ 200.00	\$ -	\$ -	\$ 6,240.00	\$ 491.40	\$ 6,731.40
Review Meetings (2)	4	1	4		4	4	2		19	\$ 3,030.00	\$ -	\$ -	\$ -	\$ 3,030.00	\$ 238.61	\$ 3,268.61
Opinion of Probable Cost Estimates	3	1	1	14	4				23	\$ 4,375.00	\$ -	\$ -	\$ -	\$ 4,375.00	\$ 344.53	\$ 4,719.53
GWQB Coordination			10		6	4	2		22	\$ 3,100.00	\$ 100.00	\$ -	\$ -	\$ 3,200.00	\$ 252.00	\$ 3,452.00
Task Subtotals	11	6	21	14	64	62	18		196	\$ 28,125.00	\$ 300.00	\$ 3,700.00	\$ 4,070.00	\$ 32,495.00	\$ 2,558.98	\$ 35,053.98
Subtask 4.3 - Bidding and Engineering Services During Construction																
Pre-bid Meeting			1		8		2		11	\$ 1,295.00	\$ 76.00	\$ -	\$ -	\$ 1,371.00	\$ 107.97	\$ 1,478.97
Services During Bidding	1	2	4		12	3	4		26	\$ 3,570.00	\$ -	\$ -	\$ -	\$ 3,570.00	\$ 281.14	\$ 3,851.14
Bid Tabulation/Recommendation of Award			1		6				7	\$ 885.00	\$ -	\$ -	\$ -	\$ 885.00	\$ 69.69	\$ 954.69
Pre-Construction Meeting			1		8				9	\$ 1,125.00	\$ -	\$ -	\$ -	\$ 1,125.00	\$ 88.59	\$ 1,213.59
Reviews: Submittals, RFIs, COs, Pay Apps	1		1		24	3			29	\$ 3,695.00	\$ -	\$ -	\$ -	\$ 3,695.00	\$ 290.98	\$ 3,985.98
Construction Progress Meetings with Site Visit (1)	6				8				14	\$ 2,340.00	\$ -	\$ -	\$ -	\$ 2,340.00	\$ 184.28	\$ 2,524.28
Onsite Inspections					24				24	\$ 2,880.00	\$ 228.00	\$ -	\$ -	\$ 3,108.00	\$ 244.76	\$ 3,352.76
Site Walkthroughs (1)					8				8	\$ 960.00	\$ 76.00	\$ -	\$ -	\$ 1,036.00	\$ 81.59	\$ 1,117.59
Final Documents/Record Drawings	1		1		4	10	6		22	\$ 2,785.00	\$ 100.00	\$ -	\$ -	\$ 2,885.00	\$ 227.19	\$ 3,112.19
Task Subtotals	9	2	9	0	102	16	12	0	150	\$ 19,535.00	\$ 480.00	\$ -	\$ -	\$ 20,015.00	\$ 1,576.18	\$ 21,591.18
Project Totals	26	8	70	14	166	78	46	18	426	\$ 59,160	\$ 896	\$ 3,700	\$ 4,070	\$ 64,126	\$ 5,050	\$ 69,176

ATTACHMENT B.4
Cost Estimate
Task 5.2: East Phase Basegrade Design
SFSWMA On-Call Engineering Services Contract

Tasks	Contract Officer Fowlie	Hours								Other	Subconsultant	Markup on Subs	Subtotal	NMGRT (7.875%)	TOTAL
		Senior Technical Consultant Gabel	Project Manager Tucholke	Sr Designer/ Drafter Anderson	Designer/ Drafter Mesquita	Senior Contract Administrator	Clerical	Labor Totals		Direct					
										Costs					
										\$		\$			
	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	\$	\$	\$	\$	\$	\$	\$
5.2 East Phase Basegrade Design	8	7	27	80	10	8	16	156	\$24,495	\$100	\$0	\$0	\$24,595	\$1,937	\$26,532
5.2.1 Project Management	2	1	23			8	8	42	\$6,135	\$0	\$0	\$0	\$6,135	\$483	\$6,618
5.2.2 Construction Plans	6	6	4	80	10		8	114	\$18,360	\$100	\$0	\$0	\$18,460	\$1,454	\$19,914
TOTAL	8	7	27	80	10	8	16	156	\$24,495	\$100	\$0	\$0	\$24,595	\$1,937	\$26,532

Labor Rates

Contract Officer Fowlie	Senior Technical Consultant Gabel	Project Manager Tucholke	Sr Designer/ Drafter Anderson	Designer/ Drafter Mesquita	Senior Contract Administrator	Clerical
\$100.00	\$240.00	\$155.00	\$150.00	\$70.00	\$100.00	\$30.00

ODC Multiplier
0%

Sub Multiplier
50%

ATTACHMENT B.5
Cost Estimate
Task 5.3: Landfill Management Plan Updates
SFSWMA On-Call Engineering Services Contract

Tasks	Hours							Other	Subconsultant	Markup on Subs	Subtotal	NMGRT (7.875%)	TOTAL
	Contract Officer Fowle	Project Manager Tucholke	Professional Bicknell	Designer/Drafter	Senior Contract Administrator	Clerical	Labor Totals	Direct					
								Costs	Total	Total			
	Hours	Hours	Hours	Hours	Hours	Hours	Hours \$	\$	\$	\$	\$	\$	\$
5.3 Landfill Management Plan Updates	3	28	40	16	8	20	115 \$14,210	\$100	\$0	\$0	\$14,310	\$1,127	\$15,437
5.3.1 Project Management	2	16			8	8	34 \$4,740	\$0	\$0	\$0	\$4,740	\$373	\$5,113
5.3.2 Plan Updates	1	12	40	16		12	81 \$9,470	\$100	\$0	\$0	\$9,570	\$754	\$10,324
TOTAL	3	28	40	16	8	20	115 \$14,210	\$100	\$0	\$0	\$14,310	\$1,127	\$15,437

Labor Rates

Contract Officer Fowle	Project Manager Tucholke	Professional Bicknell	Designer/Drafter	Senior Contract Administrator	Clerical
\$200.00	\$250.00	\$100.00	\$140.00	\$120.00	\$65.00

ODC Multiplier
0%

Sub Multiplier
100%

ATTACHMENT B.6

Cost Estimate

Task 7.0 - Request for Additional Compensation for Bidding Services
SFSWMA On-Call Engineering Services Contract

Title: Name:													ODCs		SUBCONTRACTORS		TOTALS		
	Contract Officer	Sr. Technical Consultant	Prof V	Prof V (PM)	Prof VII	Prof IV	Prof II	Prof I	Designer/ Drafter	Clerical	Sr. Contract Admin	Total Hours	Labor Subtotal	ODC Subtotal	Subcontractor Subtotal	Subcontractor With Markup	SUBTOTAL	NMGR%	TOTAL By TASK
	Fowlie	Gabel	McHugh	Tucholke	Staff	Staff	Staff	Bicknell	Doak	Fitch	Milodovskaia								
Contract Billing Rate:	\$ 230.00	\$ 240.00	\$ 165.00	\$ 165.00	\$ 200.00	\$ 150.00	\$ 120.00	\$ 100.00	\$ 140.00	\$ 85.00	\$ 120.00					10%		7.875%	
Subtask 7.1 - Project Management																			
Project Kickoff Meeting	2			12			16					30	\$ 4,360.00	\$ -	\$ -	\$ -	\$ 4,360.00	\$ 343.35	\$ 4,703.35
Project Management and Administration	8	4		52						8	24	96	\$ 14,940.00	\$ 323.00	\$ -	\$ -	\$ 15,263.00	\$ 1,201.96	\$ 16,464.96
Task Subtotals	10	4	0	64	0	0	16	0	0	8	24	126	\$ 19,300.00	\$ 323.00	\$ -	\$ -	\$ 19,623.00	\$ 1,545.31	\$ 21,168.31
Subtask 7.2 - Preparation of Construction Documents																			
Cell 6B Survey				2			8		8			18	\$ 2,410.00	\$ -	\$ 6,020.00	\$ 6,622.00	\$ 9,032.00	\$ 711.27	\$ 9,743.27
Construction Plan Preparation	2	8		8			70		100	4		192	\$ 26,440.00	\$ 50.00	\$ -	\$ -	\$ 26,490.00	\$ 2,086.09	\$ 28,576.09
Contract Documents and Technical Specifications	2	8		8		50	36		12	16		132	\$ 18,560.00	\$ 750.00	\$ -	\$ -	\$ 19,310.00	\$ 1,520.66	\$ 20,830.66
Review Meetings (2)		4		8			8			4		24	\$ 3,580.00	\$ 197.00	\$ -	\$ -	\$ 3,777.00	\$ 297.44	\$ 4,074.44
Opinion of Probable Cost Estimates		2		4	14		8					28	\$ 4,900.00	\$ 5.00		\$ -	\$ 4,905.00	\$ 386.27	\$ 5,291.27
Task Subtotals	4	22	0	30	14	50	130	0	120	24	0	394	\$ 55,890.00	\$ 1,002.00	\$ 6,020.00	\$ 6,622.00	\$ 63,514.00	\$ 5,001.73	\$ 68,515.73
Subtask 7.3- Bidding Services																			
Pre-bid Meeting		2		8			14			2		26	\$ 3,650.00	\$ 83.00	\$ -	\$ -	\$ 3,733.00	\$ 293.97	\$ 4,026.97
Services During Bidding		4		16			36			16		72	\$ 9,280.00	\$ 260.00	\$ -	\$ -	\$ 9,540.00	\$ 751.28	\$ 10,291.28
Major Milestone Schedule		2		2			4			2		10	\$ 1,460.00	\$ 1.00	\$ -	\$ -	\$ 1,461.00	\$ 115.05	\$ 1,576.05
Additional Bidding Services (Amendment No. 8)	2			6.5			3.5	2.5	3.5			18	\$ 2,692.50	\$ -	\$ -	\$ -	\$ 2,692.50	\$ 212.03	\$ 2,904.53
Task Subtotals	2	8	0	32.5	0	0	57.5	2.5	3.5	20	0	126	\$ 17,082.50	\$ 344.00	\$ -	\$ -	\$ 17,426.50	\$ 1,372.34	\$ 18,798.84
Subtask 8.1 - Services During Construction																			
Contract Document Conformance							24		8	8		40	\$ 4,680.00	\$ 250.00	\$ -	\$ -	\$ 4,930.00	\$ 388.24	\$ 5,318.24
Pre-Construction Meeting				6			16					22	\$ 2,910.00	\$ 83.00	\$ -	\$ -	\$ 2,993.00	\$ 235.70	\$ 3,228.70
Reviews: Submittals, RFIs, COs, Pay Apps	2	6		2			80		8	4		102	\$ 13,290.00	\$ 10.00	\$ -	\$ -	\$ 13,300.00	\$ 1,047.38	\$ 14,347.38
Progress Meetings (4)		2		8			24					34	\$ 4,680.00	\$ 294.00	\$ -	\$ -	\$ 4,974.00	\$ 391.70	\$ 5,365.70
Site Visits (4)		2		4			24					30	\$ 4,020.00	\$ 294.00	\$ -	\$ -	\$ 4,314.00	\$ 339.73	\$ 4,653.73
Site Walkthroughs (2)		2		4			16					22	\$ 3,060.00	\$ 147.00	\$ -	\$ -	\$ 3,207.00	\$ 252.55	\$ 3,459.55
Subgrade/Drainage Material CQA		2		4			32					38	\$ 4,980.00	\$ 420.00	\$ -	\$ -	\$ 5,400.00	\$ 425.25	\$ 5,825.25
Liner/Leachate System CQA		2	40	4			358					404	\$ 50,700.00	\$ 8,653.00	\$ -	\$ -	\$ 59,353.00	\$ 4,674.05	\$ 64,027.05
Task Subtotals	2	16	40	32	0	0	574	0	16	12	0	692	\$ 88,320.00	\$ 10,151.00	\$ -	\$ -	\$ 98,471.00	\$ 7,754.59	\$ 106,225.59
Subtask 8.2 - Engineering Certification Report																			
CQA Report				4			80		32	16		132	\$ 16,100.00	\$ 300.00	\$ -	\$ -	\$ 16,400.00	\$ 1,291.50	\$ 17,691.50
QA/QC	4	10		8								22	\$ 4,640.00	\$ -	\$ -	\$ -	\$ 4,640.00	\$ 365.40	\$ 5,005.40
Task Subtotals	4	10	0	12	0	0	80	0	32	16	0	154	\$ 20,740.00	\$ 300.00	\$ -	\$ -	\$ 21,040.00	\$ 1,656.90	\$ 22,696.90
Project Totals	22	60	40	170.5	14	50	857.5	2.5	171.5	80	24	1492	\$ 201,332.50	\$ 12,120.00	\$ 6,020.00	\$ 6,622.00	\$ 220,075	\$ 17,331	\$ 237,405

Note: The Subtask 7.3 fee increased by \$2,905 including NMGR at the current rate of 7.875%; refer to the new line item for Amendment No. 9 under Task 7.3

ATTACHMENT C
CDM Smith Schedule of Hourly Billing Rates 2018-2019



ATTACHMENT C

CDM Smith Schedule of Hourly Billing Rates 2018-2019

On-Call Engineering Contract

Santa Fe Solid Waste Management Agency

CATEGORIES

HOURLY RATES

TECHNICAL/PROFESSIONAL SERVICES

PROFESSIONAL I	\$100.00
PROFESSIONAL II	\$120.00
PROFESSIONAL III	\$140.00
PROFESSIONAL IV	\$150.00
PROFESSIONAL V	\$165.00
PROFESSIONAL VI	\$175.00
PROFESSIONAL VII	\$200.00
SR TECHNICAL SPECIALIST	\$230.00
SENIOR TECHNICAL CONSULTANT	\$240.00
CONTRACT OFFICER	\$230.00
DESIGNER/DRAFTER	\$140.00
SENIOR DESIGNER/DRAFTER	\$160.00

PROFESSIONAL SUPPORT SERVICES

CLERICAL	\$85.00
SENIOR CONTRACT ADMINISTRATOR	\$120.00