



REPORT TO COUNCIL City of Sacramento

915 I Street, Sacramento, CA 95814-2671
www.CityofSacramento.org

CONSENT
April 18, 2006

Honorable Mayor and
Members of the City Council

Subject: Supplemental Agreement: Baseline Environmental Consulting

Location/Council District: Sacramento Trapshooting Club, northern terminus of
Fulton Avenue (District 2)

Recommendation:

Adopt a Resolution 1) authorizing the City Manager or his designee to execute Supplemental Agreement #3 of Professional Services Agreement #2006-0606 with Baseline Environmental Consulting; and 2) authorizing the additional expenditure of \$94,685 which brings the total cost to \$295,729.

Contact: Dean Peckham, Senior Project Manger, (916) 808-7063

Presenters: Not applicable

Department: Economic Development

Division: Citywide

Organization No: 4453

Summary:

The City is conducting the final remedial investigation of off-site contamination and preparation of a Final Response Plan on the City property occupied by the Sacramento Trapshooting Club. The regulatory agencies with jurisdiction over remediation of the contamination on the property are requiring that the City undertake the additional off-site sampling program. Compliance with the agencies' request requires work over and above that originally foreseen in the contract's prior scope of work.

Committee/Commission Action: None

Background Information:

The Sacramento Trapshooting Club has operated a shooting range at the present location within the Haggin Oaks Golf complex for approximately 80 years. The site is leased from the City. Trapshooting results in the deposit of lead shot and clay pigeon

debris over a relatively large area. Approximately 750,000 square feet (17 acres) are contaminated to some extent with elemental lead and polynuclear aromatic hydrocarbons (PAH). The PAH's are components of the tar used to bind the clay of the pigeons. The site is also contaminated with arsenic, antimony and nickel, which are all found in lead shot. Cleanup of these materials is required since, depending on concentration, some are considered hazardous waste under federal and state law.

In July 2004, the City initiated a process under the regulatory oversight of the County of Sacramento Environmental Management Department (EMD), Department of Toxics Substance Control (DTSC) and the California Regional Water Quality Board (Board) where in the contamination of the site would be characterized and appropriate remediation would be developed and ultimately implemented.

When the investigation was initiated in July 2004 there was some uncertainty as to the acceptability by the Board and the EMD of the City's existing data that was collected in 1995. Both agencies ultimately found data gaps that leave questions regarding the vertical (down into the soil and groundwater) and lateral (beyond the confines of the leased area) extent of contamination. In response, the City's consultant prepared a 2nd workplan for sampling and proposed remediation plan for cleanup of the site which the Board and DTSC have found acceptable. However, as a result of a consultative working group meeting in February 2006 regarding the final results with EMD, DTSC, and the Board it was determined that additional off-site sampling is needed to characterize contamination located north of the Trapshoot Club site, along the south edge of Fairway 10 of the golf course. Based upon the final results of this sampling, any contaminated soil found off-site will be consolidated with on-site contamination. Finally, Baseline will prepare the Final Response plan for the remediation of the site including the preparation of a Risk Management Plan (RMP). The RMP will describe the methods of protecting the public safety, construction worker health and safety and methods for protecting the environment during construction. For these reasons, staff therefore requests a supplement to the current contract budget.

As a separate agenda item on the Council Agenda of April 18, 2006, Council will also consider a budget allocation for the construction costs associated with the remediation of the property and construction of off-site public improvements. This item will be presented by the City Finance Department and City Manager's Office.

Financial Considerations:

The total contract amount including this and all previous amendments is \$295,729. The agreement shall be funded by the Trapshoot Cleanup Project CIP #CB33.

Environmental Considerations:

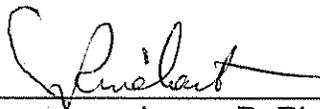
The proposed action is not subject to CEQA.

Policy Considerations:

This project is consistent with the City of Sacramento's Strategic Goals to expand economic development throughout the city.

Emerging Small Business Development (ESBD):

Baseline Environmental Consulting is an ESBD Firm certified (BAE5075A3OP) with the City of Sacramento.

Approved by: 
James R. Rinehart
Citywide Economic Development Manager

Recommendation Approved:

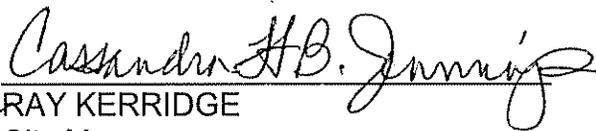

for RAY KERRIDGE
City Manager

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BASELINE
ENVIRONMENTAL CONSULTING

7 March 2006
Y4368-00.00372

Mr. Dean Peckham
Economic Development Department
City of Sacramento
1030 15th Street, Suite 250
Sacramento, CA 95814

**Subject: Project and Budget Status for Sacramento Trapshooting Club, Sacramento,
Environmental Investigation – 2006**

Dear Mr. Peckham:

The purpose of this letter is to provide you with a status of the work completed to date, associated costs, and a projection of additional tasks to be undertaken and those projected costs. Our original budget, as presented in our proposal, dated 8 June 2004, was \$74,830. Our contract with the City of Sacramento ("City") was in the amount of \$65,550. In October 2004, we requested an amendment to our contract, which resulted in a Supplemental Agreement, Purchase Order No. 5481135151, dated 3 November 2004, in the amount of \$65,144. On 21 June 2005, we received a Supplemental Agreement increase of \$70,350, resulting in a Purchase Order 6CB3330666, dated 24 August 2005.

Below is the status of the tasks proposed for this project in our original proposal, the changes in scope and budget from 3 November 2004 and 24 August 2005, and the additional scope items that are envisioned for the future. The future scope of work (and costs) are estimated based on the comments on the *Response Plan* ("report") prepared by BASELINE, dated November 2005 from the County of Sacramento, Environmental Management Department ("County"), the Regional Water Quality Control Board ("RWQCB"), and the Department of Toxic Substances Control ("DTSC"). That report presented an evaluation of alternative remedies for the site and presented a recommended alternative. On 15 February 2006, a meeting was held at the County offices with representatives from the City, the County, RWQCB, DTSC, and BASELINE. During that meeting, we received comments on the *Response Plan* and it was decided to augment the *Response Plan* with an additional alternative that would describe consolidation of contaminated soil into one of two proposed parcels on the site. This alternative would also include removal of contaminated soil from an area north of the leasehold and that material would also be consolidated on the site. If this alternative were to be selected as the preferred

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alternative, the City would be required to prepare a Risk Management Plan ("RMP") and implement a deed restriction on the site. The RMP would describe the methods of protecting construction worker health and safety, the public, and the environment during remediation and prescribe soil management procedures during remediation and in the future. The deed restriction would be obtained from the County and be implemented by the City.

TASK 1: Project Initiation/Review of Information/Meeting with City (COMPLETE)

BASELINE obtained copies of all available reports and data pertaining to soil, groundwater, sediments, and surface water for the site. These data were reviewed and compiled into summary tables, which were used for subsequent discussions with the City and regulatory agencies for evaluation of the need for additional site characterization.

TASK 2: Develop Oversight Strategy/Meeting with City (COMPLETE)

This task was expanded from the original proposal to include preparation of workplan(s). A workplan and a revised workplan were prepared for the initial site investigation. An additional workplan was prepared to respond to the County's request for background sampling and off-site sampling. That additional workplan was included as Subtask 2c.

SUBTASK 2a: Develop Oversight Strategy/Meeting with City (COMPLETE)

BASELINE met with the City and the Committee on 26 August 2004 and provided technical understanding of the site conditions and remediation options. On 17 September 2004, BASELINE met with the City and the County to discuss the overall investigation and remediation strategy.

SUBTASK 2b: Investigation Workplan (COMPLETE)

BASELINE prepared an investigation workplan to address the concerns of the RWQCB. This plan was submitted to the City on 3 September 2004. Based on comments from the County, the plan was revised and resubmitted to the City on 19 October 2004.

SUBTASK 2c: Off-Site Sampling and Background Sampling Work Plan (COMPLETE)

We prepared a sampling plan for review and approval by the County. The workplan provided sampling locations for off-site sampling and a geostatistical approach to developing background samples in accordance with U.S. EPA guidance. This workplan also included a sampling strategy for collection of representative samples of the clay pigeon debris for waste classification purposes.

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TASK 3: Preparation of Draft and Final Remediation and Closure Plan

This task was expanded from the original scope of work in response to development of an alternative approach to site closure. Instead of preparing one closure plan document, two documents were prepared. One document described the results of the on-site sampling activities and provided a preliminary description of potential remedial approaches. A second report was provided to the County regarding detailed remediation alternatives. As a result of the revised approach for documentation and development of closure alternatives, this task was divided into three subtasks.

SUBTASK 3a: Preparation of Site Assessment and Preliminary Response Option Report (COMPLETE)

BASELINE submitted the Site Assessment and Preliminary Response Option report to the City on 7 February 2005. The report was also submitted to the County and the RWQCB.

SUBTASK 3b: Preparation of Feasibility Study/Remedial Action Plan

The County requested that prior to their approval of a site closure option, they would require the preparation of a Feasibility Study/Remedial Action Plan ("FS/RAP"). In previous conversations with the County, we had indicated that the City would prefer not to prepare a formal FS/RAP (in accordance with the guidelines of U.S. EPA), but would prepare a document that would provide sufficient information to allow for selection of the appropriate remedy for the site, i.e., a Site Closure Report. This task is still not complete. The *Closure Plan* of November 2005 will need revision based on the 15 February meeting with the County and State agencies. We are awaiting a letter from DTSC documenting their concurrence with consolidation of contaminated soil on one portion of the site. There are sufficient funds in the existing budget to complete this task.

Deliverable: Response Plan

Assumption: DTSC and RWQCB will concur with the approach of consolidating soil on one of the future site parcels

Schedule: By mid-March 2006

SUBTASK 3c: Fate and Transport Modeling (COMPLETE)

The modeling was conducted to evaluate the contribution of lead and arsenic to groundwater, if any. The results were included in a letter responding to comments received from the RWQCB on the Site Assessment.

TASK 4: Field Investigation Activities (COMPLETE)

To expedite characterization of the site and the gathering of data for evaluation of remediation approaches for the property, this task was divided into two phases in the 26 October 2004

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BASELINE letter. Phase I characterized on-site contamination and evaluate impacts to groundwater and surface water; this phase has been completed. Phase II involved investigation of off-site areas to evaluate the extent, if any, of off-site impacts resulting from activities at the trapshooting range.

SUBTASK 4a. Phase I (COMPLETE)

On-site sampling has been completed.

SUBTASK 4b. Phase II (COMPLETE)

During this task, we collected off-site surface samples to evaluate potential off-site impacts from lead, arsenic, and PAH.

SUBTASK 4c: Background Sampling (COMPLETE)

The purpose of background sampling was to determine the arsenic background concentrations at a depth of two feet at off-site locations. The data were used to establish cleanup goals for potential off-site arsenic contamination. The data presented in the Site Assessment and Preliminary Response Option report and were used in the Response Plan.

SUBTASK 4d: Clay Pigeon Debris Sampling (COMPLETE)

The objective of sampling the clay pigeon debris was to develop disposal options/treatment options for the debris for use in the evaluation of alternative remedies in the Response Plan.

NEW TASK 5: Sampling Workplan, Sampling, Analysis, and Documentation – Off-Leasehold

The purpose of this task is to collect sufficient number of samples to delineate the horizontal and vertical extent of contaminated soil along the north leasehold boundary. The 2005 sampling events indicated two locations with relatively high lead, arsenic, and PAH concentrations. We propose to prepare a workplan for County approval. For cost estimating purposes, we are proposing collection of 30 samples from ten locations. The samples would be collected from the surface, and at one-and two-foot depths. All 30 samples would be analyzed for lead and arsenic and ten of the samples would be analyzed for PAHs. It should be noted that ten sampling locations is a preliminary estimate of the number of locations necessary to define the extent of contamination. Based on the analytical results, it is possible that additional samples would be needed. The results of the sampling would be documented in a report delineating the extent of contaminated soil. Based on comments from the DTSC, this soil could be removed and consolidated on one of the leasehold parcels as part of the general remediation effort.

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Deliverable: Data report
Assumption: Up to 30 samples analyzed for total lead and arsenic and 10 samples for PAHs will be sufficient to delineate the extent of contamination
Schedule: Sampling in March 2006

NEW TASK 6: Verification Sampling – Off-Leasehold

Once the off-leasehold extent of contaminated soil has been delineated, the material would need to be removed and consolidated on one of the parcels. The County will require verification sampling to ensure that the remaining soil is within acceptable levels for lead, arsenic, and PAHs, allowing unrestricted use of the land. It is unknown how large an area would need to be removed, but for cost estimating purposes, we are assuming collecting 20 verification samples for lead, arsenic, and PAH analyses. The result of the verification sampling would be submitted to the County in a brief letter report.

Deliverable: Report with results of verification sampling
Assumption: Up to 20 samples will be collected and analyzed for total lead and arsenic, soluble lead and arsenic, and PAHs. Soil contamination is caused only by shots/dust from the leasehold. The City will engage a contractor to perform removal. The contractor will be HAZWOPER trained.
Schedule: Pending timing for soils removal, possibly by end of year.

NEW TASK 7: Verification Sampling – On-Leasehold

If contaminated soil from the western portion of the leasehold will be removed and consolidated on the eastern parcel, the County will require verification sampling on the western parcel to ensure that all contaminated soil has been removed. We will need to submit a workplan to the County for a statistically valid sampling approach. For cost estimating purposes, we are assuming collection of 40 surface samples for analysis of lead and arsenic; 20 of the samples would also be analyzed for PAHs. The data will be evaluated statistically to demonstrate compliance with the cleanup goals and presented in a final report.

Deliverable: Workplan and Final Verification Sampling report
Assumption: Forty samples will be statistically sufficient. City will engage contractor for soil removal.
Schedule: Pending timing for soils removal; possibly end of year

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NEW TASK 8: RMP Preparation

An RMP will be required for the site. We will prepare a draft document for County review and approval. The RMP will delineate the health and safety measures to be employed by construction and utility workers, cap inspection schedules, dust control, soil management, runoff management, and reporting requirements.

Deliverable: Risk Management Plan
Assumption: One review by County prior to finalization
Schedule: April 2006

NEW OPTIONAL TASK 9: Project Management and City Coordination

BASELINE will be available to assist the City in coordination with contractors performing soil excavation activities, provide review and/or input to the CEQA process, permitting, and attendance at coordination meetings.

Deliverable: Not applicable
Assumption: Up to five meetings in Sacramento and intermittent coordination
Schedule: On-going till the end of 2006

Our estimated costs to complete the revised scope of work is presented in Table 1 in conjunction with the costs from our original scope of work and the two amendments to our contract. Should you have any questions or comments to this proposed revision to the scope and costs, please do not hesitate to contact us at your convenience. We will look forward to an opportunity to continue working with the City on this project.

Sincerely,



Yane Nordhav
Principal

YN:cr
Enclosures

cc: Jim Rinehart, Economic Development Department, City of Sacramento

TABLE 1: Revised Cost Estimate, May 2005, Sacramento Trapshooting Club, Sacramento, California

Task	Hours	Rate	Cost	Proposed March 2006 Amendment	August 2005 Amendment	Original Scope plus October 2004 Amendment	Costs in Original Proposal
1. Project Initiation/Meeting with City (COMPLETED)							
Yane Nordhav	20	160	3,200				
James McCarty	20	125	2,500				
Administration/Clerical/WP	4	75	300				
Direct Costs (mileage, printing, delivery)			75				
			<u>6,075</u>		--	\$ 6,075	\$ 13,180
2. Develop Oversight Strategy/Meeting with City							
2a. Workplan 3 September 2004 (COMPLETED)							
Yane Nordhav	40	160	6,400				
Administration/Clerical/WP	4	75	300				
Direct Costs (mileage, printing, delivery)			75				
			<u>6,775</u>		--	\$ 6,775	\$ 9,300
2b. Workplan 19 October 2004 (COMPLETED)							
Yane Nordhav	30	160	4,800				
James McCarty	100	125	12,500				
Administration/Clerical/WP	12	75	900				
Graphics	10	85	850				
Direct Costs (EDR Report, printing, delivery)	19		400				
			<u>19,450</u>		--	\$ 19,450	
2c. Background and Off-Site Sampling Workplan (COMPLETED)							
Yane Nordhav	40	160	6,400				
James McCarty	80	100	8,000				
Aeolus, Inc. (geostatistics)	16	250	4,000				
Administration/Clerical/WP	8	75	600				
Graphics	16	85	1,360				
			<u>20,360</u>		\$ 20,360		
3. Remediation Plan/Site Assessment							
3a. Site Assessment (COMPLETED)							
Yane Nordhav	100	160	16,000				
James McCarty	120	100	12,000				
Graphics	16	85	1,360				
Administration/Clerical/WP	50	75	3,750				
Direct Costs (mileage, printing, delivery)			1,000				
			<u>34,110</u>		--	\$ 34,110	\$ 34,110
3b. Site Closure Report (IN PROGRESS)							
Yane Nordhav	40	160	6,400				
James McCarty	140	100	14,000				
Administration/Clerical/WP	32	75	2,400				
Graphics	24	85	2,040				
			<u>24,840</u>		\$ 24,840		
3c. Fate and Transport Modeling (COMPLETED)							
Yane Nordhav	40	160	6,400				
James McCarty	80	100	8,000				
ETIC, Inc. (Peer review)			1,000				
Administration/Clerical/WP	8	75	600				
			<u>16,000</u>		\$ 16,000		

TABLE 1: Revised Cost Estimate, May 2005, Sacramento Trapshooting Club, Sacramento, California

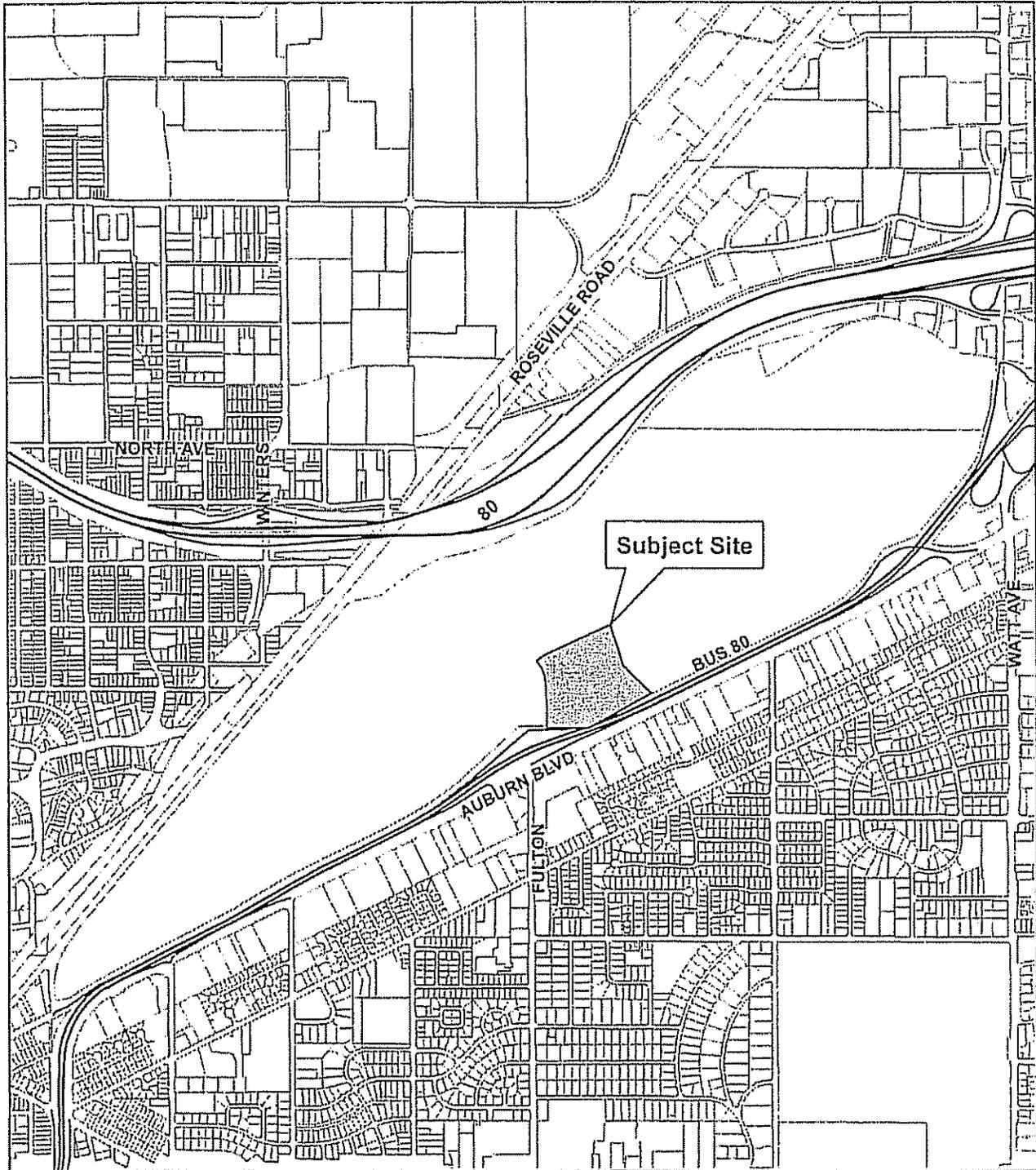
Task	Hours	Rate	Cost	Proposed March 2006 Amendment	August 2005 Amendment	Original Scope plus October 2004 Amendment	Costs in Original Proposal
4. Sampling Activities							
<i>4a. Phase I (COMPLETED)</i>							
Safety Plan, Project Management							
Yane Nordhav	5	160	800				
James McCarty	32	125	4,000				
Field Work							
Bill Scott	32	110	3,520				
Direct Costs							
Drilling Contractor			3,920				
Field vehicle			180				
Soil Sampling Containers (Stainless Steel)			30				
Soil Sample Tools, Hand Auger, Slide Ham			40				
Miniram			166				
PID			220				
Lab Analysis			32,438				
Water Disposal			150				
			45,464		--	\$ 45,464	
<i>4b. Phase II (COMPLETED)</i>							
Project Management							
Yane Nordhav	8	160	1,280				
James McCarty	16	125	2,000				
Field Work							
Bill Scott	20	110	2,200				
Direct Costs							
Drilling Contractor			3,920				
Field vehicle			60				
Soil Sampling Containers (Stainless Steel)			160				
Soil Sample Tools, Hand Auger, Slide Ham			40				
Lab Analysis			9,009				
Water Disposal			150				
			18,819		--	\$ 18,819	\$ 18,240
<i>4c. Background Sampling (COMPLETD)</i>							
James McCarty	8	100	800				
Bill Scott	24	110	2,640				
Laboratory			500				
Sampling Equipment			400				
			4,340		\$ 4,340		
<i>4d. Clay Pigeon Debris Classification (COMPLETED)</i>							
James McCarty	16	100	1,600				
Bill Scott	16	110	1,760				
Laboratory			1,000				
Sampling Equipment			450				
			4,810		\$ 4,810		

TABLE 1: Revised Cost Estimate, May 2005, Sacramento Trapshooting Club, Sacramento, California

Task	Hours	Rate	Cost	Proposed March 2006 Amendment	August 2005 Amendment	Original Scope plus October 2004 Amendment	Costs in Original Proposal
5. Workplan, Sampling, Analysis, and Documentation – Off-Leasehold							
James McCarty	60	110	6,600				
Yane Nordhav	16	160	2,560				
Bill Scott	32	110	3,520				
Laboratory			4,025				
Word Processing/Clerical	16	85	1,360				
Graphics	8	85	680				
Sampling Equipment and Other Direct Costs			<u>550</u>				
				\$ 19,295			
6. Verification Sampling – Off-Leasehold							
James McCarty	60	110	6,600				
Yane Nordhav	16	160	2,560				
Bill Scott	32	110	3,520				
Word Processing/Clerical/Graphics	24	85	2,040				
Geostatistician			3,000				
Laboratory			5,750				
Sampling Equipment and Other Direct Costs			<u>500</u>				
				\$ 23,970			
7. Verification Sampling – On-Leasehold							
James McCarty	80	110	8,800				
Yane Nordhav	20	160	3,200				
Bill Scott	40	110	4,400				
Geostatistician			7,000				
Word Processing/Clerical/Graphics	24	85	2,040				
Sampling Equipment and Other Direct Costs			700				
Laboratory			<u>6,900</u>				
				\$ 33,040			
8. RMP Preparation							
James McCarty	40	110	4,400				
Yane Nordhav	16	160	2,560				
Bill Scott	8	110	880				
Word Processing/Clerical/Graphics	24	85	<u>2,040</u>				
				\$ 9,880			
9. Project Management and City Coordination							
Yane Nordhav	50	160	8,000				
Other Direct Costs			<u>500</u>				
				\$ 8,500			
TOTAL				\$ 94,685	\$ 70,350	\$ 130,694	\$ 74,830 ¹

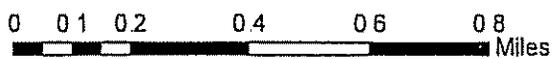
¹ Please note that the original contract was for \$65,550, not \$74,830 from the City Supplemental Agreement #1 was \$65,144, dated 3 November 2004 Supplemental Agreement #2 was \$70,350, dated 24 August 2005

Rapton Honda Trapshoot Club Site



Map Contact
D Peckham, Economic Development

June, 2006



RESOLUTION NO.

Adopted by the Sacramento City Council

AUTHORIZING THE CITY MANAGER TO EXECUTE A THIRD SUPPLEMENTAL AGREEMENT WITH BASELINE ENVIRONMENTAL CONSULTING FOR ADDITIONAL TASKS NECESSARY TO COMPLETE THE REMEDIAL INVESTIGATION OF CONTAMINATION, FOR SITE CLOSURE AT THE SACRAMENTO TRAPSHOOTING CLUB

BACKGROUND:

- A. The Sacramento Trapshooting Club has operated a shooting range at the present location within the Haggin Oaks Golf complex for approximately 80 years, resulting in the deposit of lead shot and clay pigeon debris over a relatively large area. Approximately 750,000 square feet (17 acres) is contaminated to some extent with elemental lead and polynuclear aromatic hydrocarbons (PAH). Cleanup of these materials is required since, depending on concentration, some are considered hazardous waste under federal and state law.
- B. In July 2004, the City initiated a process under the regulatory oversight of the County of Sacramento Environmental Management Department (EMD), Department of Toxics Substance Control (DTSC) and the California Regional Water Quality Board (Board) where in the contamination of the site would be characterized and appropriate remediation would be developed and ultimately implemented.
- C. The City and its consultant, Baseline Environmental Consulting, have conducted numerous samplings of the site to ascertain the level of contamination. As a result of a consultative working group meeting in February 2006 regarding the final results, it was determined that additional off-site sampling is needed to characterize contamination located north of the Trapshoot Club site. Any contaminated soil found off-site will be consolidated with on-site contamination. Finally, Baseline will prepare the Final Response Plan for the remediation of the site including the preparation of a Risk Management Plan.

- D. In response, the City's consultant, Baseline, has prepared a 3rd work plan for offsite sampling which is acceptable to all parties. The results of this work will be incorporated into the Final Response Plan and a Risk Management Plan will be prepared which addresses worker and environmental safety. The additional sampling, laboratory analysis and preparation of the Final Response Plan and Risk Management Plan have increased the anticipated cost of the investigation. Staff therefore requests a supplement to the current contract budget.

BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL RESOLVES AS FOLLOWS:

Section 1. The City Manager is hereby authorized to enter into Supplemental Agreement #3 in the amount of \$94,685 with Baseline Environmental Consulting. The total contract amount including this and all previous amendments is \$295,729.

MAYOR

ATTEST:

CITY CLERK