

J.W. SILVEIRA COMPANY
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TO: Barney Chan

FROM: August Tracy

DATE: 2.19.99 TIME: _____

NUMBER OF PAGES (INC. COVER SHEET) 6

COMMENTS:
Hello Barney,
Thank you for taking
the time to review this for
me. The second note
from Lorraine Morris is
my sister. V-

IF YOU HAVE ANY QUESTIONS PLEASE CALL (510) 834-9810

TETRA TECH EM INC.

FAX TRANSMITTAL



To Virginia Tracey Company J.W. Silveira Co.
 Location Oakland FAX No. (510) 763 9996
 Telephone (510) 834 9810
 From Hal Dawson
 Phone No. (415) 222-8316
 Charge No. 999 ASF Date 2/18/99

No. of
PAGES

3

Comments

Hello Virginia:

I finished hunting down the best drilling and analytical costs for the proposed work we've been discussing. The news for you - not necessarily good. The total estimated cost is higher than my initial ballpark estimate because I did not know the extent of the work involved with Task 4 - Quarterly Groundwater Monitoring. I initially presumed there were 3 existing wells at both properties until I got to read through the work plans you provided to me.

At any rate - for your purposes, here's the bottom line:

I initially estimated \$35K.

Mr. Silveira was hoping for something closer to \$30K.

After reviewing all of the information you and Mr. Chan provided, and using the information to work up the costs, the final number associated with the scoped work is ~42K.

Virginia, if you could run the following pages by Mr. Silveira, he can get a feel for the amount of work that will be required to satisfy Mr. Chan. I will call you after I

FAX this information over to discuss.

Thank you Virginia,
Hal Dawson

**PROPOSAL FOR THE J. W. SILVEIRA COMPANY
SCOPE OF WORK ASSOCIATED WITH
2301 EAST 12TH STREET, 1200 20TH AVENUE, AND 744 EAST 12TH STREET**

Task 1 - Work Plans

- Prepare one work plan for each of the 3 sites.
- Submit the 3 work plans to J. W. Silveira Company and to Alameda County Health Care Services Agency (ACHCSA).

Task 2 - Work Plan Meeting

- Meet with J. W. Silveira Company and ACHCSA to discuss the 3 work plans and address any requested changes.

Task 3 - Permitting

- Obtain required permits for the 3 sites through (1) the City of Oakland, (2) Alameda County Public Works, and (3) the Regional Water Quality Control Board.

Task 4 - Quarterly Groundwater Monitoring

- Conduct one round of groundwater sampling (for quarterly groundwater monitoring) at 2301 East 12th Street (6 monitoring wells) and at 1200 20th Avenue (3 monitoring wells). Sampling will entail purging the 9 wells and collecting groundwater samples from each well.
- Analyze the groundwater samples from the 9 monitoring wells for ACHCSA requested analytes (including bioremediation analytes).
- Dispose of investigation-derived waste (IDW) generated during sampling activities.
- Based on the results of the bioremediation analyses, if the level of dissolved oxygen in the groundwater at 2301 East 12th Street is low (depleted), provide and install organic-release compound socks in each of the 6 wells at this site.

Task 5 - Subsurface Investigation

Hydropunch Borings

- Advance a total of 10 Hydropunch borings (6 at 2301 East 12th Street, 2 at 1200 20th Avenue, and 2 at 744 East 12th Street) to depths ranging from 10 to 25 feet below the ground surface.
- Collect soil samples every 5 vertical feet (starting at 10 feet below the ground surface) in each of the borings for lithologic logging purposes; one soil sample from each boring will be submitted to the laboratory for ACHCSA requested analyses.
- Collect one groundwater sample from 9 of the 10 borings and submit them to the laboratory for ACHCSA requested analyses.
- Backfill the 10 borings with cement-bentonite grout.

omit gw from dispenser @ 744 E 12th St.

Task 5 - Subsurface Investigation (Continued)**Monitoring Well Borings**

- Advance 3 borings to be completed as groundwater monitoring wells at 744 East 12th Street; monitoring well borings will extend approximately 30 feet below the ground surface. ✓
- Collect soil samples every 5 vertical feet (starting at 10 feet below the ground surface) in each of the borings for lithologic logging purposes; one soil sample from each boring will be submitted to the laboratory for ACHCSA requested analyses. ✓
- Develop the 3 monitoring wells a minimum of 72 hours after they have been installed.
- Collect one groundwater sample from each of the 3 new monitoring wells and submit them to the laboratory for ACHCSA requested analyses. ✓
- Provide surveying services to determine the elevations of the top of each well casing in order to compute the groundwater flow direction.

General

- Dispose of IDW generated during subsurface investigation activities.
- Analyze the soil and groundwater samples from the subsurface investigation for ACHCSA requested analytes.

Task 6 - Summary Report Preparation

- Prepare separate summary reports for each of the 3 sites. Summary reports will include (1) descriptions of the work conducted at each site, (2) figures for each site, (3) analytical results of all sampling, (4) conclusions based on the findings at each site, and (5) recommendations for each site.
- Submit the 3 summary reports to J. W. Silveira Company and to ACHCSA.

Task 7 - Technical Assistance with State Reimbursement Procedures

- Prepare required paperwork for reimbursement from the State Water Resources Control Board Division of Clean Water Programs Underground Storage Tank Cleanup Fund for each of the 3 sites.

Individual task costs are provided below:

Task 1	\$ 1,314	
Task 2	\$ 557	
Task 3	\$ 535	
Task 4	\$ 7,525	(~ \$2,300 of which are analytical costs)
Task 5	\$25,722	(~ \$16,000 of which are analytical [\$5,300] and drilling [\$10,700] costs)
Task 6	\$ 4,263	
Task 7	\$ 1,021	
Total	\$40,937	

2-18-99

To: Virginia Tracy

J. W. Silveira Co.
Fax # 510/763-9996

From: Lorraine Morris

Phone # 815/941-1032
Fax # 815/941-0385

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Ginger,

I took a look at the proposal and thought that it was very reasonable. It seems, as he mentioned in his fax cover, that he assumed 3 wells per site and one site has 6 wells - that is a substantial change. I don't think a difference of \$6,000 is a lot for 3 sites.

I contacted someone at Tetra Tech/Chicago to see if they could personally "vouch" for Hal's work. The person I spoke with did not know Hal, however, he is the person that recommended Tom A. and Tom is one of the top managers and technical people at the SF office. He would not put someone that is inexperienced on a job - especially with a prospective, new client.

Also, I don't know if you know this, but Tetra Tech has been working on the "Navy Clean" project for several years in the Bay area. It is an enormous job/contract and they have done an excellent job. Much of the work in the Navy Clean project deals with GW contamination. The federal facilities are scrutinized more closely than individuals and are held to higher standards because they know where the "deep pockets" are. They have dealt with many complicated sites and situations and know what they are doing. I guess what I'm trying to say is, I would highly recommend that you contract Tetra Tech to do the work. In my professional opinion, I am confident that they will get the work done, on time and for the budgeted amount.

I understand that you have spent a lot of money in the past on these sites, but I do not think that this estimate is high - especially considering the quality of work you will receive. I would not recommend "shopping around" for a lower price if you are not familiar with all the technical details involved in this process. You can be easily misinformed - and that, as you know can cost more in the long run.

If you want me to look over anything else or have any questions, just let me know. I should be home the rest of the day.

Good luck,

Lorraine

Lorraine T. Morris