

**CITY OF SAN ANTONIO
INTERDEPARTMENTAL MEMORANDUM
PUBLIC WORKS DEPARTMENT**

CONSENT AGENDA

ITEM NO.

22

TO: Mayor and City Council

FROM: Thomas G. Wendorf, P.E., Director of Public Works

THROUGH: Terry M. Brechtel, City Manager

COPIES: Melissa Byrne Vossmer; Andrew Martin; Louis A. Lendman; Milo D. Nitschke; File

SUBJECT: Octavia #63 Phase II Drainage

DATE: December 12, 2002

SUMMARY AND RECOMMENDATIONS

This ordinance authorizes work under an existing Environmental Professional Services Consulting Contract in the amount of \$12,443.00 to be performed by KEI, Inc., a non-MBE firm, by Ordinance No. 95384, dated February 28, 2002, in connection the Octavia #63 Phase II project, a authorized 1999 General Obligation (G.O.) Drainage Bond project, located in Council District 5.

Staff recommends approval of this ordinance.

BACKGROUND INFORMATION

A Phase II Environmental Subsurface Investigation will be performed to address the area of concern noted in the Phase I Environmental Site Assessment. The Phase I ESA identified the presence of Kelly Air Force Base groundwater contamination within the proposed construction area. The purpose of this investigation is to determine if the contaminants associated with the Kelly Air Force Base ground water plume have impacted the proposed project.

The Octavia #63 Phase I project consists of drainage improvements to the area bounded by Octavia on the north, S. Flores on the west, Hart on the south and Sierra on the east. All the residential streets within these limits are being reconstructed to a 30-foot width including concrete curbs, sidewalks and driveway approaches. This project is currently under construction and is to be completed in March 2002.

The Octavia #63 Phase II project will provide for underground storm drainage improvements to an area bounded by Gladstone on the north, South Flores on the east, Chalmers and Koepke on the south, and IH 35 on the west and includes curbs, 4-foot sidewalks, concrete driveway approaches, and retaining walls. This project is currently funded for design only and is in the final design phase.

POLICY ANALYSIS

Approval of this ordinance will be a continuation of City Council policy to construct previously approved 1999 G. O. Drainage Improvement Bond funded Capital Improvement Projects.

FISCAL IMPACT

Funds in the amount of \$12,443.00 are available from 1999 G. O. Drainage Improvement Bond and authorized payable to KEI, Inc.

COORDINATION

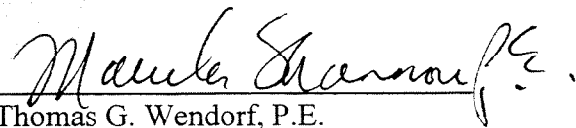
This request for ordinance has been coordinated with the Office of Management and Budget and the Finance Department.

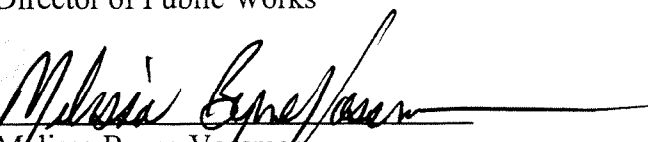
SUPPLEMENTARY COMMENTS

The Discretionary Contracts Disclosure Form required by the Ethics Ordinance is attached.

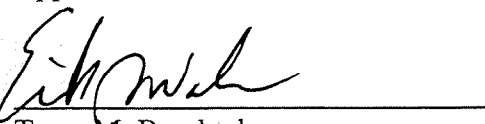
ATTACHMENTS

1. Proposal
2. Project Map
3. Discretionary Contract Disclosure


Thomas G. Wendorf, P.E.
Director of Public Works


Melissa Byrne Vossmer
Assistant City Manager

Approved:


Terry M. Brechtel
City Manager



25331 IH-10 West, Suite 101
San Antonio, Texas 78257
(210) 680-3767
(210) 680-3763

July 29, 2002

Mr. John Cantu
CITY OF SAN ANTONIO
Environmental Services Department
1920 Grandstand
San Antonio, Texas 78238

Re: Phase II Environmental Investigation
Octavia #63 Phase II Drainage Project
San Antonio, Texas

Dear Mr. Cantu:

KEI is pleased to submit a proposed scope of services and the associated fees to conduct a Phase II Environmental Investigation for the above referenced site. The following proposal is based on the scope of services provided by and at the request of the City of San Antonio.

Our proposed scope of services and a breakdown of our estimated fees are presented on the following pages. If you have any questions concerning our proposed scope of services or our estimated fees, please contact me at (210) 680-3767.

Respectfully,

Kevin A. Tarleton

Attachment

p:\ctysat\Octavia Drainage\PO7-17-02.doc

PHASE II ENVIRONMENTAL INVESTIGATION

OCTAVIA DRAINAGE PROJECT

PROJECT INFORMATION

Based on the Phase I Environmental Site Assessment (ESA) Addendum dated July 15, 2002, provided by the City of San Antonio, the construction project will include street reconstruction and underground storm drainage improvements along West Hart between Pleasanton and Flores and Pleasanton between Division and Koepke. Based on the Phase I ESA Addendum and the construction services outlined for this project, it is possible that the construction activities may encounter chlorinated solvent contaminants in the subsurface soil and ground water from the Kelly Air Force Base contaminated ground water plume. A field investigation will be performed along West Hart Avenue and Pleasanton Road to determine if the contaminants associated with the Kelly Air Force Base ground water plume are present in the project area.

FIELD INVESTIGATION

A Site Specific Health and Safety Plan (SSHSP) will be prepared in accordance with OSHA requirements to identify site health and safety hazards and specify personal protective equipment required during the field investigation. Prior to drilling, KEI will develop and implement a traffic control plan (TCP) which meets the Texas Manual on Uniform Traffic Control Devices (TMUTCD) for each drilling area. The TCP will be submitted to the City of San Antonio traffic control personnel for review and approval. A street cut permit will also be obtained prior to drilling each area. KEI will also notify the Texas One Call system to verify location of underground utilities prior to drilling.

Subsurface Investigation

- In order to evaluate the potential impact to ground water, 4 soil borings will be installed along West Hart Avenue and Pleasanton Road. The borings will be drilled to an approximate depth of 20 feet below ground surface. One of the soil borings will be converted into a permanent ground water monitoring well. The location of the borings and well will be discussed with the City of San Antonio. A KEI geologist will classify the soil in general accordance with the Unified Soil Classification System and will supervise the field activities.
- Soil samples will be obtained continuously and split into 2 separate containers. Field screening will be conducted utilizing a photo-ionization detector (PID) on 1 of the containers after allowing the sample to volatilize for approximately 30 minutes. The other container will be chilled on ice pending transport of selected samples for laboratory analysis.
- The monitoring well will consist of 2-inch diameter, 15-foot long PVC screen and 2-inch diameter PVC casing. A water well driller licensed in the State of Texas in accordance with TNRCC rules and guidelines will install the monitoring well.
- If ground water is encountered after boring completion the KEI geologist will collect a water sample from each boring. A ground water monitoring event will be conducted at the site after the installation of the permanent ground water monitoring well. The event will consist of measuring static water level, and obtaining a water sample from the monitoring well. The monitoring well at the site will be purged at rates less than or equal to the recharge capacity of the transmissive zone. The well will be sampled using a low flow pump and dedicated tubing to obtain the ground water samples. Sampling rates will be approximately 0.1 liters per minute.
- Since the Kelly Plume is a chlorinated solvent plume and the constituents are dense non-aqueous phase liquids (DNAPLS) the soil samples will be collected from the highest PID readings and will be transmitted for laboratory analysis. If the base of the water-bearing

PHASE II ENVIRONMENTAL INVESTIGATION

OCTAVIA DRAINAGE PROJECT

zone is not encountered, the soil samples will be collected from the bottom of the borings and transmitted for laboratory analysis.

- The soil and ground water samples collected from the soil borings and ground water monitoring wells will be analyzed for RCRA 8 metals, total petroleum hydrocarbons (TPH) and Volatile Organic Compounds (VOCs). Should the total metals concentrations in soil be above the Texas-Specific Background Concentrations for metals as set forth in a TNRCC Interoffice Memo dated June 28, 2000; the sample exhibiting the elevated metals concentration will be analyzed for the specific TCLP Metal above the Texas-Specific Background Concentration.
- Soil cuttings generated during drilling will be temporarily stored in steel drums. Based on soil laboratory results, the soil cuttings will be transferred to the City of San Antonio's Household Hazardous Waste Facility until they can be disposed of properly. The cost of soil disposal at a municipal solid waste landfill is not included in this budget. The soil cuttings will be analyzed for RCRA 8 Metals, VOCs, and SVOCs and TCLP Metals, if required.
- Purged ground water generated during sampling activities will be temporarily stored in steel drums at the site. The cost of purge water sampling and disposal is not included in this budget.

The soil samples are to be analyzed as follows:

♦ 4 samples	RCRA 8 Metals	EPA Method SW846-3020A/6010B
♦ 4 samples	VOCs	EPA Method SW846-8260B
♦ 4 samples	TPH	TNRCC Method 1005
♦ 3 samples	TCLP Metals	EPA Method SW846-6020

The ground water samples are to be analyzed as follows:

♦ 4 samples	RCRA 8 Metals	EPA Method SW846-3020A/6010B
♦ 4 samples	VOCs	EPA Method SW846-8260B
♦ 4 samples	TPH	TNRCC Method 1005

One composite sample of the soil cuttings will be tested for the following constituents, if required:

♦ 1 sample	RCRA 8 Metals	EPA Method SW846-6020
♦ 1 sample	VOCs	EPA Method SW846-8260B
♦ 1 sample	TPH	TNRCC Method 1005
♦ 1 sample	TCLP Metals	EPA Method SW846-6020

Contingencies

One ground water event is proposed as contingency costs for the sampling of the permanent ground water monitoring well. The event will consist of measuring static water level, and obtaining a water sample from the permanent monitoring well. The monitoring well will be purged at rates less than or equal to the recharge capacity of the transmissive zone. The well will be sampled using a low flow pump and dedicated tubing to obtain the ground water samples. Sampling rates will be approximately 0.1 liters per minute.

PHASE II ENVIRONMENTAL INVESTIGATION

OCTAVIA DRAINAGE PROJECT

The costs to plug and abandon the permanent ground water monitoring well by a water well driller licensed in the State of Texas is also included as a contingency cost.

REPORT PREPARATION

A draft report will be prepared to present the information obtained during the Phase II Investigation. The report will present the details of the field activities and indicate the results of analytical testing. Graphic logs of the soil borings, laboratory reports and State of Texas well reports will be presented. Upon completion of review by COSA, suggested changes or comments will be incorporated and 4 copies of the final report will be issued. All work for the project will be conducted under the supervision of a professional engineer registered in the State of Texas.

PROJECT SCHEDULE

We are available to initiate the field program within 1 to 2 weeks upon notice to proceed. The drilling program should be completed in 2 to 3 days. The laboratory analytical testing should be completed 10 days after the samples are received in the laboratory. A draft report will be available for your review within 2 weeks after receipt of the completed laboratory results and subcontractor reports.

INVOICING AND PAYMENT

Fees for the project will be invoiced on a monthly basis in accordance with the attached cost estimate. Each invoice will present itemized project costs. All subcontractor, laboratory testing, equipment rental, and other miscellaneous fees necessary to provide the scope of services will be invoiced with a 10 percent markup. Appropriate backup of these costs will be attached with each invoice. Payment terms for all invoices are net 30 days from date of invoice.

The fees for the project are based on estimates concerning time, sampling frequency, and subcontractors services. Should the scope of services change, we propose to submit a change order to indicate the additional services and the associated fee adjustment.

This proposal may be accepted by signing and returning this original via mail or fax.

ACCEPTED AND AGREED TO THIS
5th DAY OF August 2002.

CITY OF SAN ANTONIO

By: 

Title: Environmental Protection Program Manager

ESTIMATED COST
PHASE II ENVIRONMENTAL INVESTIGATION
OCTAVIA #63 PHASE II
SAN ANTONIO, TEXAS

ACTIVITY	ESTIMATED QUANTITY / UNIT	UNIT RATE	ESTIMATED BUDGET
PLANNING / FIELD INVESTIGATION			
Drilling and Sampling	120 feet	Cost + 15%	\$ 3,455
Health and Safety Plan	1 each	Lump Sum	300
Field Geologist			
Collect Field Data (Soils and Ground Water)	16 hours	65 / hour	1,040
Coordinate Utility Clearance/Traffic Control	5 hours	65 / hour	325
Vehicle	2 days	30 / day	60
Mileage	120 miles	0.40 / mile	48
Turbidity Meter Rental	1 day	100 / day	100
Field Equipment	1 day	50 / day	50
Subtotal			\$ 5,378
ANALYTICAL TESTING			
Soil			
RCRA 8 Metals (Method 608) Soil	5 tests	155 / test	\$ 775
VOCs (EPA 8260) Soil	5 tests	200 / test	1,000
TPH (1005) Soil	5 tests	65 / test	325
TCLP 8 Metals	4 tests	215 / test	860
Water			
RCRA 8 Metals (Method 608) Water	4 tests	155 / test	620
TPH (1005) Water	4 tests	65 / test	260
VOCs (EPA 8260) Water	4 tests	200 / test	800
Subtotal			\$ 4,640
REPORT AND CONSULTATION			
Principal Engineer			
Report Review	1 hour	125 / hour	\$ 125
Sr. Engineer / Geologist			
Report Review	2 hours	95 / hour	190
Project Manager			
Prepare Traffic Control Plans/ Permits	1 hour	80 / hour	80
Coordinate Field Activities/Utilities	1 hour	80 / hour	80
Coordinate Activities with COSA and Others	4 hours	80 / hour	320
Final Report Preparation	14 hours	80 / hour	1,120
Drafting	6 hours	45 / hour	270
Word Processing	4 hours	35 / hour	140
Miscellaneous Expenses		Cost + 15%	100
Subtotal			\$ 2,425
ESTIMATED TOTAL			\$ 12,443

ESTIMATED CONTINGENCY COST
PHASE II ENVIRONMENTAL INVESTIGATION
OCTAVIA #63 PHASE II
SAN ANTONIO, TEXAS

ACTIVITY	ESTIMATED QUANTITY / UNIT	UNIT RATE	ESTIMATED BUDGET
PLANNING / FIELD INVESTIGATION			
Field Geologist	6 hours	65 / hour	\$ 390
Plug and Abandon Well	1 Well	Cost + 15%	500
Vehicle	2 days	30 / day	60
Mileage	120 miles	0.40 / mile	48
Turbidity Meter Rental	1 day	100 / day	100
Field Equipment	1 day	50 / day	50
Subtotal			\$ 1,148
ANALYTICAL TESTING			
Water			
RCRA 8 Metals (Method 608)	1 test	155 / test	155
VOCs (EPA 8260) Water	1 test	200 / test	200
SVOCs (EPA 8260) water	1 test	360 / test	360
Subtotal			\$ 715
REPORT AND CONSULTATION			
Principal Engineer	0.5 hour	125 / hour	\$ 63
Sr. Engineer / Geologist	1 hour	95 / hour	95
Project Manager	8 hours	80 / hour	640
Drafting	1.5 hours	45 / hour	68
Word Processing	4 hours	35 / hour	140
Miscellaneous Expenses		Cost + 10%	100
Subtotal			\$ 1,105
ESTIMATED TOTAL			\$ 2,968

OCTAVIA # 63, PHASE II

GLADSTONE

KAINE

HORTON

DIVISION

RANMAR

CHALMERS

PLEASANTON

HART

TOMMINS

S. FLORES

OPTION I

OPTION II

I.H. 35



City of San Antonio Discretionary Contracts Disclosure*

For use of this form, see City of San Antonio Ethics Code, Part D, Sections 1&2

Attach additional sheets if space provided is not sufficient.

State "Not Applicable" for questions that do not apply.

** This form is required to be supplemented in the event there is any change in the information under (1), (2), or (3) below, before the discretionary contract is the subject of council action, and no later than five (5) business days after any change about which information is required to be filed.*

Disclosure of Parties, Owners, and Closely Related Persons

For the purpose of assisting the City in the enforcement of provisions contained in the City Charter and the Code of Ethics, an individual or business entity seeking a discretionary contract from the City is required to disclose in connection with a proposal for a discretionary contract:

(1) the identity of any individual who would be a party to the discretionary contract:

Pat Bullinger
Ed Hitchler

(2) the identity of any business entity that would be a party to the discretionary contract:

KEI Consultants, Ltd.

and the name of:

(A) any individual or business entity that would be a subcontractor on the discretionary contract:

NONE

and the name of:

(B) any individual or business entity that is known to be a partner, or a parent or subsidiary business entity, of any individual or business entity who would be a party to the discretionary contract:

KEI Ventures, LP

(3) the identity of any lobbyist or public relations firm employed for purposes relating to the discretionary contract being sought by any individual or business entity who would be a party to the discretionary contract:

NONE

¹ A business entity means a sole proprietorship, partnership, firm, corporation, holding company, joint-stock company, receivership, trust, unincorporated association, or any other entity recognized by law.

City of San Antonio Discretionary Contracts Disclosure*

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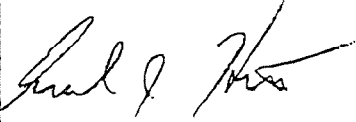
Political Contributions

Any individual or business entity seeking a discretionary contract from the city must disclose in connection with a proposal for a discretionary contract all political contributions totaling one hundred dollars (\$100) or more within the past twenty-four (24) months made directly or indirectly to any current or former member of City Council, any candidate for City Council, or to any political action committee that contributes to City Council elections, by any individual or business entity whose identity must be disclosed under (1), (2) or (3) above. Indirect contributions by an individual include, but are not limited to, contributions made by the individual's spouse, whether statutory or common-law. Indirect contributions by an entity include, but are not limited to, contributions made through the officers, owners, attorneys, or registered lobbyists of the entity.

To Whom Made:	Amount:	Date of Contribution:
NONE		

Disclosures in Proposals

Any individual or business entity seeking a discretionary contract with the city shall disclose any known facts which, reasonably understood, raise a question² as to whether any city official or employee would violate Section 1 of Part B, Improper Economic Benefit, by participating in official action relating to the discretionary contract.

KEI Consultants, Ltd.		
Signature: 	Title: Ed Hitchler, President Ed Hitchler Company, L.L.C General Partner Company: KEI Consultants, Ltd.	Date: 11-19-02

² For purposes of this rule, facts are "reasonably understood" to "raise a question" about the appropriateness of official action if a disinterested person would conclude that the facts, if true, require recusal or require careful consideration of whether or not recusal is required.