




5399 N. Dixie Highway, Suite 3 • Oakland Park, Florida 33334 • www.oaklandparkfl.org

MEMORANDUM

DATE:	August 6 th , 2010	10-ECD-05
TO:	John Stunson, City Manager	
VIA:	Harris Hamid, P.E. Director Engineering & Community Development &  Harvey Rambarath, Asst Director of Engineering & Community Development	
FROM:	Ronald Desbrunes, P.E., Project Manager, Engineering & Community Development	
SUBJECT:	Emergency Environmental Cleanup / Lloyd Estates Drainage Improvement Project	

Construction of the **Lloyd Estates Drainage Project** began on November 23rd, 2009. Currently, the project is about 80% completed. During excavation for the installation of drainage structures the contractor encountered some **soils with a heavy petroleum aroma** particularly on NW 3rd Avenue. The specific locations where contaminated soils were encountered and the corrective action taken are described as follow:

NW 3rd Avenue and NW 36 Street

The Contractor notified the City, FDEP and Broward County Environmental Protection Department (EPD) and implemented action to protect the area. A representative from Broward County EPD came to the site to make a visual assessment and **recommended that preliminary test be conducted** in order to identify the type of contaminant encountered. The preliminary **results of testing** conducted by Nutting Environmental of Florida **indicated the presence of Total Recoverable Petroleum Hydrocarbons (TRPH)** that was above the Soil Cleanup Target level. **Broward County issued a Warning Notice to the City** with the recommendation of conducting further analysis of the impacted area to determine the **lateral and horizontal extent of the petroleum contaminated soil**. The City was given 60 days to submit the result of the testing to Broward County. On May 12, 2010 the City approved a work authorization with Kimley-Horn and Associates in the amount of \$7,471.00 to conduct the environmental analysis as requested by Broward County. The test results indicated that the affected area in that intersection was approximately 50 square yards. Kimley Horn and Associates recommended that the impacted soil be excavated; transported and disposed of off-site at a Class I licensed landfill or thermal soil recycling facility. A copy of the report was forwarded to Broward County which concurs with the consultant's recommendation.

H&J Contracting submitted a quote in the amount of **\$9,891.14** to perform the work.

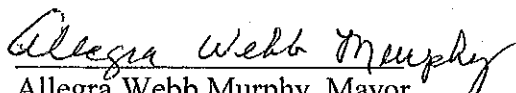
NW 3rd Avenue and NW 37 Street

The City and Broward County EPD were notified. Broward County recommends the City conduct analysis similar to the previous site (NW 3rd Avenue and NW 36 St). Staff requested a work authorization from KHA who responded with a proposal in the amount of \$7,471.00 to conduct the additional environmental testing.

From preliminary assessment, the contaminant discovered on NW 3rd Avenue and NW 37 is expected to be identical to the petroleum hydrocarbons identified on NW 36 St. The extent of the contamination on NW 37 St has not yet been determined. Staff estimates that it will cost approximately \$22,637.86 to remove and dispose the contaminated material including contingency for unforeseen conditions.

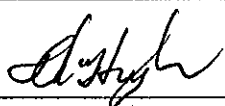
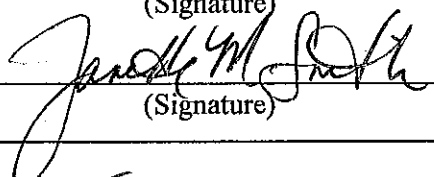

Staff estimates a **total amount not to exceed \$40,000.00** will be sufficient to conduct the analysis on NW 3rd Avenue and NW 37 St and also to remove and dispose of the contaminated soils for both sites (NW 3rd Ave and NW 36 St, NW 3rd Ave and NW 37 St).

This work has to be completed as soon as possible so as not to incur delay damages claims from the contractor and to expedite the completion of this project. **An Emergency Purchase Order #S046031 for the work authorization with Kimley-Horn & Associates and PO #S044002 for the change order with the H&J Contracting will be processed upon your approval and the Mayor's approval per City Charter Section 4.03 (j).** A full report will be presented at the September 1st, 2010 Commission Meeting.


Allegra Webb Murphy, Mayor

 
John Stunson, City Manager

**CITY OF OAKLAND PARK
WORK AUTHORIZATION FOR PROFESSIONAL SERVICES**

Consultant: Proposal No.: 10-291-16			
Address: Kimley-Horn and Associates, Inc. (KHA) 5200 N.W. 33 rd Avenue, Ste 109 Fort Lauderdale, FL 33309			
Contract No. Resolution No. R-2008-152, October 1, 2008		Work Authorization No.: 10-KHA-ECD-LE-2	
Agreement Description: Professional Services Contract		Resolution #	
Financial ID No. For Contract:		Effective Date	
Financial ID No. For Work Authorization:		Construction Budget \$N/A	
Brief Task Description: Provide a professional environmental contamination assessment at NW 37 th Street & NW 3 rd Avenue (subject site) to determine possible lateral and horizontal extent of petroleum contaminated soils.			
In accordance with the above referenced agreement, you are authorized to perform the tasks detailed in attached Exhibit A (Scope of Services). All required services will be completed on or before: See Exhibit "C"			
The total amount or the limiting amount of the compensation will be: \$7,471.00 unless additional services are authorized by the City			
Compensation elements are as follows:			
	Method of Compensation	Amount (\$)	Project Code
Task 1: Environmental Services	Lump Sum	7,471.00	
Total		7,471.00	
Other Notes: This Work Authorization is subject to the same terms and conditions of the October 1, 2008 Contract. Please acknowledge receipt of, and agreement with, this Work Authorization by signing and dating all four (4) copies, keeping one copy, and returning three (3) signed copies to Engineering & Community Development.			
City of Oakland Park Approval:			
John Stunson, City Manager	 _____ (Signature)	NR	8-9-10 _____ (Date)
Janette Smith, City Clerk	 _____ (Signature)		8/10/10 _____ (Date)
Consultant Acceptance: Erik Wilczek, P.E. Vice President	 _____ (Signature)		8-6-10 _____ (Date)

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DEVELOPMENT DEPARTMENT

Proposal No.: 10-291-16

Brief Task Description: Environmental Services

Exhibit A
Description of Project

Kimley-Horn and Associates, Inc. understands that a contractor was excavating soils at the subject site as part of an ongoing drainage improvement project. The Contractor reportedly identified petroleum odors from the excavated soils.

The City of Oakland Park has requested a proposal to address potential environmental concerns at NW 37th Street & NW 3rd Avenue (subject site).

Scope of Services

In accordance with our Professional Services Agreement dated October 1, 2008 Kimley-Horn and Associates, Inc., (hereinafter referred to as "Consultant", "We" or "KHA"), is pleased to have the opportunity to submit this proposal to the City of Oakland Park, (hereinafter referred to as "Client" or "City") to perform professional environmental services in support of evaluating the soil and groundwater in the vicinity of NW 37th Street & NW 3rd Avenue.

Based on our understanding, the following scope of services is provided:

ENVIRONMENTAL SERVICES

Soil screening and assessment will be conducted at the subject site to determine the horizontal and vertical extent of the impacted soils. The general scope of the assessment will consist of the following activities: review of previous assessments, site safety and health plan preparation, drilling and soil sampling, monitoring well installation, laboratory analysis of soil and groundwater samples, data analysis and interpretation, and report preparation.

Equipment decontamination, sample collection, field documentation, sample custody, and laboratory analyses will be in general accordance with methods prescribed by the Florida Department of Environmental Protection (FDEP). All field services will be conducted and overseen by Tierra personnel and a NELAP-accredited environmental laboratory will perform the chemical testing. Investigation-derived waste from each test location will be returned to the site, no materials will be drummed. The generation of significant quantities of investigation-derived waste is not anticipated as part of the scope of work for this project. Field quality control samples will not be collected and analyzed as part of the assessment, limiting the data validation process. Therefore, the data provided will be considered sufficient for preliminary evaluation purposes only.

The specific scope of the soil assessment is described below:

1. Installation of up to eight (8) soil borings using a direct push drill rig. The borings will be located within the existing Right-of-Way (ROW) at locations identified in the field by the environmental professional. The borings will be completed to the water table interface or six feet below land surface (bls) or refusal, whichever is encountered first. Soil samples will be collected at two-foot intervals.
2. Field screening of collected soil samples for organic vapors will be performed using an Organic Vapor Analyzer (OVA) equipped with a flame ionization detector (FID). Organic vapor measurements will be recorded on standard field forms. Field notations will be recorded of field screening results, visual observations, and/or evident odors.
3. Two composite soil samples will be obtained from four of the soil boring locations. Each sample location will include one sample from the vadose zone and one taken at the smear zone (up to two samples from each location) which will be analyzed by 8260 (VOA/VOH), 8310 (PAH), FLP-RO (TRPH). The soil samples will be collected, composited in the field, and placed into laboratory-provided sample containers and shipped under chain-of-custody documentation to the laboratory.
4. A letter report of our findings will be prepared and two copies provided. The soil assessment report will include a description of the assessment rationale and scope of work, field activities, analytical results, findings, and conclusions

Proposal No.: 10-291-16

Brief Task Description: Environmental Services

applicable to the environmental concerns assessed. Recommendations, based on the assessment findings, will be provided.

The services outlined above will be conducted within the existing ROW at the subject site. It may be necessary to conduct additional soil and or groundwater sampling after receipt of the initial data. Recommendations for additional field assessment may be warranted based on the type of chemicals identified and the relative concentrations with respect to the current regulatory guidelines.

II. ADDITIONAL SERVICES

Any services not specifically provided for in the above scope will be considered additional services and can be performed at our then current hourly rates. If additional services are required for this assignment, we will contact the City and request approval prior to proceeding with the work.

This proposal does not include the handling, storage, transportation, or disposal of hazardous substances or wastes.

III. REIMBURSABLE EXPENSES

Reimbursable expenses shall include printing, mylars, copying, postage, photographic services, Federal Express, courier services, local mileage, telephone calls, facsimiles and word processing will be billed at cost.

IV. INFORMATION PROVIDED BY CLIENT

The following items are to be provided to KHA by the Client for use in this project:

- Your communication of previous environmental investigations, assessments or other such documents to KHA, along with any specialized knowledge or experience that is critical to the study being proposed is important and needed to comply with the ASTM protocol.
- Copy of reports, plans, surveys and studies as prepared by others for the project.
- Access to the site.
- Arrangements for access will be the responsibility of the client. Client shall provide clearance for all drilling and boring locations. KHA is not responsible for subsurface utilities or other appurtenances not identified by the client or utility alert services notified prior to the start of drilling activities.

V. SCHEDULE

Our subconsultant will start the field investigation upon our office receiving written authorization to proceed. Based on an anticipated schedule for field/laboratory activities and report preparation, KHA anticipates delivering the report within two weeks of receipt of the laboratory analytical report or approximately 2 weeks from the date of authorization. This schedule is based on standard laboratory turn around time of 7 to 10 days. Expedited analysis can be obtained for an additional fee.

Proposal No.: 10-291-16
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Exhibit D- Staff Time Estimate

Consultant: Kimley-Horn and Associates - Summary / Total

Personnel	Hourly Rate	Hours per Task									Totals		
		Task 1	Task 2	Task 3	Task 4	Task 5	Task 6	Task 7	Task 8	Task 9	Hrs	Cost	
Administration													
Shanda Layne (Admin Assistant)	\$70.00	1										1	\$70
Jeanine Woll (Project Accounting)	\$70.00	1										1	\$70
Sub Total (hours)		2	0	0	0	0	0	0	0	0	0	2	\$140
Engineering / Planning													
David Barnett, P.E. (Senior Supervising Engineer)	\$185.00	8										8	\$1,480
Sub Total (hours)		0	0	0	0	0	0	0	0	0	0	0	\$0
Surveying													
Sub Total (hours)		0	0	0	0	0	0	0	0	0	0	0	\$0
Sub Total (hours)		0	0	0	0	0	0	0	0	0	0	0	\$0
Cost per Task (\$)		\$1,620	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,620
Budget \$ per Task		\$1,620	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,620
Subconsultants													
Tierra	\$5,495												\$5,495
Total Labor and Subconsultants		\$7,115	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,115
Direct Expenses													\$356
Work Authorization Total													\$7,471

