DEPARTMENT OF PUBLIC WORKS

Jacksonville
Where Florida Begins.

January 25, 2017

TO: **Greg Pease, Chief, Procurement Division**

THRU: John Pappas, P.E. Director, Department of Public Works

FROM: Jeffrey S. Foster, P.G., Environmental Programs Manager
Tom Fallin, P.E., Chief, Engineering/Construction Management Division

SUBJECT: Amendment No. 14 - Program Director for Contaminated Site Remediation
City Contract No.: 6398-18; P-30-07

Due to continued remediation activities under Project New Ground it is necessary to allocate new funding within the contract with England, Thims & Miller, Inc. for the Program Director in order to address on-going and future requirements to ensure a timely schedule in accordance with the Record of Decision with the U.S. EPA. The purpose of this Amendment is to allocate funding in accordance with current work and future work requirements for the last of the residential units for 5th and Cleveland Part 7A and Part 7A remnant parcels and the first Phase of the remediation associated with the civil design of Lonnie Miller Park. Additionally, this amendment contains funding for parcels where owners have refused access, or cannot be located, and as such, the City is proceeding with forced access to obtain samples for laboratory analysis through the USA EPA and City of Jacksonville Office of General Counsel. The specific sites covered under this Amendment include the following;

5th and Cleveland (FC) Parcel Remediation Parts 7A
5th and Cleveland Parcel Remediation Remnants
Operable Unit 1 and Unit 2 (OU1 - OU2) Parcel Remediation Phase 3 Sampling
Lonnie Miller Park Civil Infrastructure Remediation Design

The Scope of Services for the Ash Program Director is contained in Exhibit Y, Ash Site Remediation. Additional funding in the amount of $1,999,081.83 is needed to cover the scope of services within this amendment as detailed in Exhibit Z, Contract Fee Summary. Additionally, the Scope of Services for the Civil Engineering Design for Ash Site Remediation for Lonnie Miller Park is contained in Exhibit AA in the amount of $268,234.99. The additional funding required for these tasks are detailed in Exhibit AB, Contract Fee Summary. Therefore, the total requested increase is $2,267,316.82 bringing the new maximum indebtedness to an amount of $38,670,871.23. All terms and conditions shall remain the same. Funding is available in PWCP32EAS-069505-ERR002 01. Nothing herein shall be amended, modified or otherwise revised without prior PSEC and Mayor's approval.

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EXHIBIT "Y"
SCOPE OF SERVICES
ASH SITE REMEDIATION

1.0 BACKGROUND

England, Thims & Miller, Inc. (ETM) has a Contract (Architectural/Engineering Services as Program Director for Contaminated Site Remediation) with the City of Jacksonville (the City) to serve as the City's Program Director for the remediation of ash contaminated sites within the City. The main focus of the remediation efforts have been the four EPA-jurisdictional sites that have Records of Decision (RODs), i.e. Brown's Dump Site, 5th and Cleveland Incinerator Site, Forest Street Incinerator Site, and Lonnie Miller Park Site.

All four EPA-jurisdictional sites have undergone remediation and to date, approx. 1,650 parcels have been remediated. Remediation activities are anticipated through 2017 including 5th and Cleveland Incinerator Site - Part 7A and the remaining (Remnant) parcels within the Sites.

The current Contract is scheduled to expire on December 31, 2016 and should be extended to June 30, 2018 for this on-going remediation work which is being conducted by the City and EPA-approved DB Firms.

The scope of this Amendment is to provide continued Program Director services as required by the Consent Decree and contemplated under the original contract. These services include:

- Program Management
- Construction Administration & Observation Services
- Completion Report Services
- Parcel Sampling, Analyses and Designs

This amendment is for the remedial activities for the following:

- Fifth & Cleveland Parcel Remediation – Part 7A
- Remaining (Remnant) parcels within the Sites (FC, BD, FC, FS, LM and OU-2)

ETM will be assisted by its Team subconsultants; Aerostar Environmental Services (Aerostar) (JSEB), and CSI (JSEB) in the day-to-day construction observation and confirmation sampling activities for the EPA ash sites.

2.0 PROGRAM MANAGEMENT

ETM will continue to provide program management and other related professional services necessary to oversee and implement the remediation/construction of the four EPA jurisdictional sites including the OU-2 areas. Program Management services shall include progress reporting to EPA, conducting project meetings, EPA coordination and response to comments, maintenance of project records and the program management/project status tool, coordination of sampling and analyses for EPA forced sampling and City inspection warrants, and providing public outreach support. In addition, this task shall include database management of the Phase 3 and confirmation sampling and analyses as well as submittal to the EPA DART system.

The Program Management services will be provided for 18 months and will include preparation of construction documents for the proposed FC Part 7A and Remnant parcels and finalization of Completion Reports for previously completed construction projects.

The services included in Program Management are described below.

2.1 PROGRESS REPORTING AND MEETINGS

ETM will provide status reports to the City and EPA detailing recent and current significant actions, status of each site, updated payment status and current schedules. ETM will attend or conduct meetings with and respond to comments from the City and EPA staff as required.

2.2 PROJECT RECORD-KEEPING & DATABASE MANAGEMENT

ETM will provide access to and training in "Buzzsaw" (a web based collaborative project management toolset developed and supported by AutoDesk) for City staff and the DB Firms. The DB Firms prepare data, documents, drawings, reports and other deliverables or communications related to the sites which shall be uploaded and stored in the appropriate folders within Buzzsaw. ETM has prepared the process workflow and forms within Buzzsaw and maintains them for use by the DB Firms.

Buzzsaw and GIS support will be provided by ETM. This support includes database and GIS support. ETM will receive field data, QC the data received, and enter it into the project database. Upon completion of Phase 3 sampling as well as confirmation sampling and analyses, ETM will submit the data to the EPA DART system.

ETM will continue to maintain the program management/project status tool which provides the overall project status.

2.3 PUBLIC OUTREACH SUPPORT

ETM will provide support to the City and the City's Public Outreach Consultant in their public outreach efforts during the construction efforts. This support may include, but is not limited to, meeting on a regular basis with the City and the Public Outreach Consultant, attendance at community meetings, and providing graphics and maps for public outreach meetings. In addition,

ETM will assist the City and their Public Outreach Consultant in responding to citizens regarding the site remediation.

3.0 CONSTRUCTION ADMINISTRATION AND OBSERVATION

ETM will provide Construction Administration and Observation Services for FC Part 7A and the Part 7A Remnants. These services shall include Pre-Construction Administration services with the City and DB Firms in preparation for the remediation/construction as well as Construction Administration services during the remediation/construction to observe and document the remediation/construction.

ETM will assign a Lead Construction Inspector, a Field Construction Inspector and a part-time City Liaison Construction Inspector for each site. Each site will be supported by the Project Engineer/Senior Engineer and the GIS/Database personnel. ETM will be assisted by Team Subcontractors, Aerostar (JSEB) and CSI (JSEB) in confirmation sampling activities and density testing as well as TestAmerica for laboratory analyses.

Construction Administration Services are provided only during construction/remediation activities. The Construction Administration Services are detailed below and include confirmation sampling during construction as well as laboratory analysis and data validation for the confirmatory sampling.

This work will be provided on a Lump Sum basis assuming an 8-month schedule for FC Part 7A and a concurrent 7-month schedule for Part 7A Remnants. If these schedules are exceeded, additional funds may be required.

3.1 GENERAL CONSTRUCTION ADMINISTRATION SERVICES

ETM will provide Construction Administration Services. This will include attending meetings throughout the duration of the site construction work. The project meetings shall include, but are not limited to, pre-construction meetings, weekly progress meetings, problem or work deficiency meetings and quality control meetings. In addition, Field Construction Inspectors shall attend the daily meetings conducted by the DB Firms.

3.2 PRE-CONSTRUCTION ADMINISTRATION SERVICES

3.2.2 Pre-Construction Submittals

Prior to the commencement of any onsite work, the DB Firm for each site must submit the following plans for review:

Project Management Plan (including a Waste Management Plan),
Construction Quality Assurance Project Plan,
Site-Specific Health and Safety Plan,

Dust Monitoring & Control Plan,
Maintenance of Traffic Plan,
Customer Satisfaction Plan, and
Shop Drawings/Material Certifications

ETM will review these plans to ensure that project objectives will be achieved and provide comments to the DB Firms as needed to meet the project objectives.

3.2.3 Pre-Construction Survey and Final Design Review

Prior to the start of work on each individual parcel, the DB Firm must perform a Pre-Construction Survey with ETM, the City's Public Outreach Consultant and the property owner. During the Survey, the DB Firm will take photographs and video to document existing conditions of building foundations, paved areas, etc. Following the Survey, the DB Firm will prepare and submit the Site Property Plan, which includes the property owner's requests/agreements, as well as utility locates and exiting elevations. ETM shall attend each Pre-Construction Survey and review/approve each Site Property Plan.

3.2.4 Operational Readiness Reviews

Prior to initiating construction and periodically thereafter, the DB Firm must complete operational readiness reviews. The purpose of an operational readiness review is to examine a checklist of construction activities to ensure that the materials and manpower required are in place to ensure a quick and efficient completion of each parcel remediation. The checklist will include staging area readiness, truck availability, clean fill availability, landscaping materials availability and manpower availability. The construction will not be allowed begin until everything on the checklist is readily available. ETM will review these reports with the objective of completing construction as rapidly as possible to minimize disruption to the property owner/tenant and minimize delays.

3.2.5 Requests for Information and Change Order Requests

When information or direction is necessary, the DB Firm shall submit requests for information (RFIs) in writing to ETM in order to document a specific problem, question, or concern. ETM will coordinate a written response with the City. The DB Firm is also required to submit in writing, along with an estimate of the cost of the change, any notice of change in the scope of work prior to initiating the change. ETM will coordinate a written response with the City.

3.3 CONSTRUCTION ADMINISTRATION SERVICES

3.3.1 Daily Construction Observation

ETM will provide periodic Daily Construction Observation services at the sites. ETM will provide a Lead Field Construction Inspector, a part-time City Liaison Construction Inspector, and a Field Construction Inspector for the sites.

During the execution of the work, Construction Inspectors are responsible for maintaining a field activity summary for each parcel, which describes the work performed and quantities of contaminated materials removed.

3.3.2 Sampling and Laboratory Analyses

ETM Team Subcontractor, Aerostar (JSEB) will provide independent soil sampling, including confirmation sampling and TCLP sampling of excavated soil stockpiles for the sites. All laboratory analyses associated with the sampling efforts will be conducted by TestAmerica (See Table 4 for a detailed breakdown). This work will include independent data validation of TestAmerica's laboratory results. These critical sampling activities will remain independent of the DB Firms conducting the actual remediation to ensure the integrity of the sampling efforts and avoid the appearance of conflict of interest of the DB Firms.

3.3.3 Density Testing

ETM Team Subcontractor, CSI (JSEB) will provide independent density testing of compacted soil backfill at the sites. This work includes sampling and testing of the backfill material (modified proctor test) for each site as well as the density testing to ensure that the backfill is placed in accordance with the project specifications. This critical testing activity will remain independent of the DB Firms conducting the actual remediation to ensure the integrity of the sampling efforts and avoid the appearance of conflict of interest of the DB Firms.

3.4 POST-CONSTRUCTION ADMINISTRATION SERVICES

3.4.1 Post-Construction Survey

After each individual parcel is remediated, the DB Firm must perform a Post-Construction Survey with ETM, the City's Public Outreach Consultant and the property owner. The DB Firm must obtain the signature of the property owner that the work has been completed in accordance with the project specifications and the Site Property Plan. ETM will attend each Post-Construction Survey and inspect any additional work required.

3.5 CONSTRUCTION COMPLETION REPORTS

ETM will prepare a Construction Completion Report for each parcel in the FC Part 7A and FC Part 7A Remnant areas at the conclusion of remediation activities to certify the work for submittal to EPA. The Report will include the as-built drawing of each parcel as prepared by the DB Firm, a timeline of remedial activities, quantities excavated, a confirmation sampling plan with results and an institutional control plan. In addition, ETM will prepare overall Site Completion Report for each EPA site which will include a compilation of all laboratory data and TCLP test results.

Funds required for the Construction Completion Reports are based upon a Lump Sum price assuming 50 parcels in each Part. If there more than 50 parcels in each part, additional funds may be required.

4.0 PARCEL SAMPLING, ANALYSES AND DESIGN

ETM will conduct Phase 3 sampling for parcels within Brown's Dump Site, 5th & Cleveland Incinerator Site, Forest Street Incinerator Site, and Lonnie Miller Site (the OU-1 Sites) as well as the OU-2 areas of the 5th & Cleveland Incinerator Site and Forest Street Incinerator Site. All data will be entered into the master database, and the results will be in summary tables and figures. ETM will prepare remedial designs for the sampled parcels.

Parcel sampling is provided on an as-needed basis based upon receipt of access agreements or farced access via City inspection warrants or EPA forced access. These services are detailed below and include laboratory analysis and data validation for the sampling effort as well as preparation of design plans based upon the sampling results.

4.1 PROJECT MANAGEMENT

This task includes overall coordination of the project team and subconsultants. Field sampling will be conducted by ETM's subconsultant, Aerostar (JSEB). Laboratory analyses will be subcontracted to TestAmerica.

4.2 SAMPLE COLLECTION FIELD WORK

ETM's subconsultant, Aerostar (JSEB) will perform sample collection field work activities. ETM will provide Aerostar with parcel maps showing preliminary parcel sampling locations. Aerostar will perform final sample locates using a hand held GPS unit. Aerostar will follow the EPA-approved Phase 3 Sampling protocols described in the approved SAP/QAPP. Field screening results, including percent ash and XRF lead results, will be reported and entered into the master database.

4.3 LABORATORY ANALYSES AND DATA VALIDATION

Laboratory testing will be performed by ETM's subconsultant, TestAmerica. Laboratory analyses will include lead, arsenic, PAHs, and dioxins as well as TAL Metals. TestAmerica will provide Level 3 Data Packages, including laboratory data validation. Final data validation will be performed by Aerostar. The laboratory data will be entered into the master database once validated.

ETM in conjunction with ETM's subconsultants Aerostar and TestAmerica will prepare sampling data and input the data into EPA DART data management system.

4.4 REMEDIAL DESIGNS

ETM will prepare Parcel Design Plans for the parcels that have been sampled. The Parcel Design Plans will be prepared for review by the City and EPA and sufficient for inclusion in the Remedial Action Work Plans.

Tasks 4.1 thru 4.4 are on-going as access agreements and City inspection warrants for un-sampled parcels. In addition, the City is working with EPA to obtain a warrant for the forced access of all the remaining un-sampled parcels.

5.0 TASK FEE SUMMARY AND BASIC ASSUMPTIONS

The following assumptions were made in developing the scope and cost estimate:

- ETM has developed these costs based on per month or per parcel pricing as requested.
- ETM will provide a Lead Construction Inspector, a part-time City Liaison and a Construction Inspector for the overall project.
- Construction Completion Reports are based upon a Lump Sum price assuming 50 parcels in each Part. If there more than 50 parcels in each part, additional funds may be required
- FC Part 7A will include 50 parcels, approximately 20,000 cubic yards of contaminated soil and a schedule of 8 months is anticipated. If this schedule is exceeded, additional funds may be required.
- Part 7A Remnants will include 50 parcels, approximately 15,000 cubic yards of contaminated soil, be conducted concurrently with FC Part 7A and a 7 month schedule is anticipated. If this schedule is exceeded, additional funds may be required.
- Aerostar will provide two sampling persons forFC Part 7A and an additional sampling person for Part 7A Remnants for confirmation sampling during construction. Each Aerostar Phase 3 sampling team will average 4 parcels per day and Aerostar will only sample when there are a minimum of 5 access agreements available.

TASK FEE SUMMARY

- **Task 2 - Program Management - Lump Sum** (Table 1) **$569,721.25**
  Including project expenses, Buzzsaw Annual License Fees and XRF leases

- **Task 3 - Construction Admin. & Observation - Lump Sum**
  FC Part 7A (Table 2)
  Construction Admin. and Ob. including density testing and expenses $532,345.81
  TestAmerica Laboratory Analyses (confirmation samples and TCLP) $29,690.00
  Aerostar Confirmation Sampling and Data Validation $212,090.00
  FC Part 7A Lump Sum Subtotal $774,125.81
  $15,482.52 per parcel

Part 7A Remnants (Table 3)

Construction Admin. and Ob. including density testing and expenses $350,412.77
TestAmerica Laboratory Analyses (confirmation samples and TCLP) $18,212.00
Aerostar Confirmation Sampling and Data Validation $95,480.00

FC Part 7A Remnants Lump Sum Subtotal $464,104.77

$9,282.10 per parcel

- **Task 4 - Parcel Sampling, Analyses and Designs - Lump Sum**

OU-1 Sampling, Analyses and Design (Table 4) Lump Sum.....$135,840.00

$1,698.00 per parcel

OU-2 Sampling, Analyses and Design (Table 5) Lump Sum.....$49,890.00

$1,918.85 per parcel

Amendment Fee Total **$1,999,081.83**

EXHIBIT "Z"

CONTRACT FEE SUMMARY
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL	
1. Project Overall Program Director for Contaminated Site Remediation January 2017 thru June 2018	**2. Proposal Number** P-30-07 (Amendment #13)
3. Name of Consultant England-Thims & Miller, Inc. Contract #6398-18	**4. Date of Proposal** 12/20/16

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rates Original	Hourly Rates Reduced	Estimated Hours	Estimated Cost	TOTAL
Principal	$ 74.52	$ 73.03	38	$ 2,775.14	
Program Director	$ 74.52	$ 73.03	788	$ 57,547.64	
Senior Engineer	$ 47.58	$ 46.63	2848	$ 132,802.24	
GIS Administrator	$ 40.99	$ 40.17	380	$ 15,264.60	
GIS Programmer	$ 33.13	$ 32.47	1414	$ 45,912.58	
Lead Construction Inspector	$ 33.59	$ 32.92	3176	$ 104,553.92	
Construction Inspector	$ 27.39	$ 26.84	2610	$ 70,052.40	
Cad Technician/GIS Analyst	$ 22.04	$ 21.60	1330	$ 28,728.00	
Administrative	$ 21.73	$ 21.30	1432	$ 30,501.60	
TOTAL DIRECT LABOR			-		$ 488,138.12
6. Overhead (Combined Fringe Benefit & Administrative) Overhead Rate			150 % x Total Direct Labor		$ 732,207.18
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)					$ 1,220,345.30
8. PROFIT: Labor Related Costs (Item 7)			x	10%	$ 122,034.53
TOTAL LABOR (Items 5, 6, 7 and 8)					$ 1,342,379.83

PART III - OTHER COSTS

9. Miscellaneous Direct Costs		
Program Management Expenses (Reproduction, printing, shipping, deliveries, etc)	$ 9,000.00	
Buzzsaw Annual License Fee	$ 13,000.00	
XRF Leases (3 machines at $800/months for 18 months)	$ 43,200.00	
Expenses (Density Testing)	$ 20,200.00	
Expenses (Vehicles, Mileage and Telephone)	$ 26,100.00	
Completion Report Expenses (Reproduction, printing, shipping, deliveries, etc)	$ 4,000.00	
OU-1 Sampling, Analyses and Design (see Table 4)	$ 135,840.00	
OU-2 Sampling, Analyses and Design (see Table 5)	$ 49,890.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$301,230.00
10. SUBCONTRACTS (Lump Sum)		
Test America Laboratory Analyses	$ 47,902.00	
Aerostar Confirmation Sampling and Data Validation	$ 307,570.00	
SUB-CONTRACT SUB-TOTAL		$ 355,472.00
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		$ 1,999,081.83
11. Reimbursable Costs - Limiting Amount		
SUB-TOTAL REIMBURSABLES		$ -

PART IV - SUMMARY

TOTAL AMOUNT OF AMENDMENT #13 (Lump Sum Plus Reimbursables)	**$ 1,999,081.83**
12. PRIOR CONTRACT AMOUNT (Through Amendment #12)	$36,403,554.41
AMENDED AMOUNT OF CONTRACT	**$38,402,636.24**

Table 1
Ash Site Remediation
Program Management
January 2017 - June 2018

CONSULTANT: England-Thims & Miller, Inc.
RFP NO.: P-30-07 (Amendment #13)
CONTRACT NO.: #6398-18

NAME OF PROJECT: Overall Program Director for Contaminated Site Remediation

TASK	ACTIVITY	Principal $73.03 MAN HOURS	Principal $73.03 LABOR COST	Program Director $73.03 MAN HOURS	Program Director $73.03 LABOR COST	Senior Engineer $46.63 MAN HOURS	Senior Engineer $46.63 LABOR COST	GIS Administrator $40.17 MAN HOURS	GIS Administrator $40.17 LABOR COST	GIS Programmer $32.47 MAN HOURS	GIS Programmer $32.47 LABOR COST	Lead Construction Inspector $32.92 MAN HOURS	Lead Construction Inspector $32.92 LABOR COST	GIS Analyst / CAD Technician $21.60 MAN HOURS	GIS Analyst / CAD Technician $21.60 LABOR COST	Administrative Assistant $21.30 MAN HOURS	Administrative Assistant $21.30 LABOR COST	Expenses	TOTAL MAN HOURS BY ACTIVITY	TOTAL SALARY COST BY ACTIVITY
1	**Program Management (per month)**			16	$1,168.48	40	$1,865.20	4	$160.68	8	$259.76	8	$263.36	10	$216.00	10	$213.00		96	$4,146.48
	Progress Reporting																			
	Project Meetings																			
	EPA Coordination and Responses																			
	Maintain PM Tool / Project Status Tool																			
	Coordination of Field Sampling and Analyses with Forced Sampling																			
	Public Outreach Support			8	$584.24	2	$93.26									24	$511.20		34	$1,188.70
	Database Management and EPA DART Prep.			2	$146.06	4	$186.52	16	$642.72	40	$1,298.80			30	$648.00				92	$2,922.10
	Total Monthly Lump Sum Cost	0	$0.00	26	$1,898.78	46	$2,144.98	20	$803.40	48	$1,558.56	8	$263.36	40	$864.00	34	$724.20		222	$8,257.28
	Total Estimated Time - 18 Months																			
	Total Estimated Lump Sum Cost	0	$0.00	468	$34,178.04	828	$38,609.64	360	$14,461.20	864	$28,054.08	144	$4,740.48	720	$15,552.00	612	$13,035.60		3996	$148,631.04
	Expenses (Reproduction, printing, shipping, deliveries, etc)																	$9,000.00		$9,000.00
	Buzzsaw Annual License Fee																	$13,000.00		$13,000.00
	XRF Leases 3 machines at $800/months for 18 months																	$43,200.00		$43,200.00
2	**Completion Reports and Bid Documents**			40	$2,921.20	480	$22,382.40	20	$803.40	80	$2,597.60	8	$263.36	80	$1,728.00	160	$3,408.00	$2,000.00	868	$36,103.96
	Finalize Completion Reports for FC Parts 5 & 6																			
	Finalize Completion Reports for BD and MMBS																			
	Finalize Completion Report for FS																			
	Finalize Completion Report for FC OU2																			
	Prepare Bid Documents for FC Part 7A and Remnants																			
	TOTAL LUMP SUM COST	0	$0.00	508	$37,099.24	1308	$60,992.04	380	$15,264.60	944	$30,651.68	152	$5,003.84	800	$17,280.00	772	$16,443.60	$67,200.00	4,864	$249,935.00

Total = (Unburdened Rate + 150% Overhead + 10% Profit) + Expenses = $569,721.25

Table 2
Ash Site Remediation
FC Part 7A Parcels

CONSULTANT: England-Thims & Miller, Inc.
RFP NO.: P-30-07 (Amendment #13)
CONTRACT NO.: #6398-18
NAME OF PROJECT:

	STAFF:	Principal		Program Director		Senior Engineer		GIS Programmer		Lead Construction Inspector		Construction Inspector		GIS Analyst / CAD Technician		Administrative Assistant		Expenses	TOTAL	
	RATE:	$73.03		$73.03		$46.63		$32.47		$32.92		$26.84		$21.60		$21.30				
TASK	ACTIVITY	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST		MAN HOURS BY ACTIVITY	SALARY COST BY ACTIVITY
3a	**FC Part 7A (Per Month)**																			
	Construction Administration	1	$73.03	8	$584.24	60	$2,797.80	10	$324.70	16	$526.72			22	$475.20	18	$383.40		135	$5,165.09
	Pre-Construction Submittal Review																			
	Attend Weekly Meetings																			
	Prepare Cadd Files and Conf. Sampling Plans																			
	Pay Request and Change Order Reviews																			
	Stockpile TCLP Reviews/Coordination																			
	As-Builts Review																			
	Construction Observation	1	$73.03							268	$8,822.56	174	$4,670.16			10	$213.00		453	$13,778.75
	Density Testing																	$1,000.00		$1,000.00
	Expenses (Vehicles, Mileage, Density and Telephone)																	$2,100.00		$2,100.00
	Total Monthly Lump Sum Cost	2	$146.06	8	$584.24	60	$2,797.80	10	$324.70	284	$9,349.28	174	$4,670.16	22	$475.20	28	$596.40	$3,100.00	588	$22,043.84
	Total Estimated Time to Complete - 8 Months																			
	Total Estimated Lump Sum Cost	16	$1,168.48	64	$4,673.92	480	$22,382.40	80	$2,597.60	2272	$74,794.24	1392	$37,361.28	176	$3,801.60	224	$4,771.20	$24,800.00	4704	$176,350.72
3b	Aerostar Confirmation Sampling and Data Validation (assuming 7 months of confirmation sampling and administration @ $28,950 per month and $9,440 for data validation of 50 parcels)																	$212,090.00		$212,090.00
3c	TestAmerica Laboratory Analyses (Laboratory analyses associated with 50 parcel plus 20,000 cubic yards of contaminated soil)																	$29,690.00		$29,690.00
3d	Completion Reports for FC Part 7A	4	$292.12	80	$5,842.40	320	$14,921.60	160	$5,195.20	40	$1,316.80			100	$2,160.00	120	$2,556.00	$2,000.00	824	$34,284.12
	Prepare Completion Report Update																			
	Prepare Summary Reports																			
	Prepare Confirmation Sampling Plans																			
	Prepare Institution Control Plans																			
	Compile Individual Completion Reports																			
	Compile Laboratory Data																			
	Compile TCLP Data																			
	Compile Daily Reports																			
	EPA DART Preparation and Submittal																			
	TOTAL LUMP SUM COST	20	$1,460.60	144	$10,516.32	800	$37,304.00	240	$7,792.80	2312	$76,111.04	1392	$37,361.28	276	$5,961.60	344	$7,327.20	$268,580.00	5528	$452,414.84

Total = (Unburdened Rate + 150% Overhead + 10% Profit) + Expenses = $774,125.81

Price per parcel (50 parcels) = $15,482.52

Table 3
Ash Site Remediation
Part 7A Remnant Parcels

CONSULTANT: England-Thims & Miller, Inc.
RFP NO.: P-30-07 (Amendment #13)
CONTRACT NO.: #6398-18
NAME OF PROJECT:

	STAFF:	Principal		Program Director		Senior Engineer		GIS Programmer		Lead Construction Inspector		Construction Inspector		GIS Analyst / CAD Technician		Administrative Assistant		Expenses	TOTAL	
	RATE:	$73.03		$73.03		$46.63		$32.47		$32.92		$26.84		$21.60		$21.30				
TASK	ACTIVITY	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST	MAN HOURS	LABOR COST		MAN HOURS BY ACTIVITY	SALARY COST BY ACTIVITY
3c	**Part 7A Remnants (Per Month)**																			
	Construction Administration	1	$73.03	8	$584.24	60	$2,797.80	10	$324.70	16	$526.72			22	$475.20	18	$383.40		135	$5,165.09
	Pre-Construction Submittal Review																			
	Attend Weekly Meetings																			
	Prepare Cadd Files and Conf. Sampling Plans																			
	Pay Request and Change Order Reviews																			
	Stockpile TCLP Reviews/Coordination																			
	As-Builts Review																			
	Construction Observation	1	$73.03							80	$2,633.60	174	$4,670.16			10	$213.00		265	$7,589.79
	Density Testing																	$1,400.00		$1,400.00
	Expenses (Vehicles, Mileage and Telephone)																	$900.00		$900.00
	Total Monthly Lump Sum Cost	2	$146.06	8	$584.24	60	$2,797.80	10	$324.70	96	$3,160.32	174	$4,670.16	22	$475.20	28	$596.40	$2,300.00	400	$15,054.88
	Total Estimated Time to Complete - 7 Months																			
	Total Estimated Lump Sum Cost	14	$1,022.42	56	$4,089.68	420	$19,584.60	70	$2,272.90	672	$22,122.24	1218	$32,691.12	154	$3,326.40	196	$4,174.80	$16,100.00	2800	$105,384.16
3b	Aerostar Confirmation Sampling and Data Validation (assuming 6 months of confirmation sampling and administration @ $14,950 per month and $5,780 for data validation of 50 parcels)																	$95,480.00		$95,480.00
3c	TestAmerica Laboratory Analyses (Laboratory analyses associated with 50 parcel plus 20,000 cubic yards of contaminated soil)																	$18,212.00		$18,212.00
3d	Completion Reports for FC Part 7A	4	$292.12	80	$5,842.40	320	$14,921.60	160	$5,195.20	40	$1,316.80			100	$2,160.00	120	$2,556.00	$2,000.00	824	$34,284.12
	Prepare Completion Report Update																			
	Prepare Summary Reports																			
	Prepare Confirmation Sampling Plans																			
	Prepare Institution Control Plans																			
	Compile Individual Completion Reports																			
	Compile Laboratory Data																			
	Compile TCLP Data																			
	Compile Daily Reports																			
	EPA DART Preparation and Submittal																			
	TOTAL LUMP SUM COST	18	$1,314.54	136	$9,932.08	740	$34,506.20	230	$7,468.10	712	$23,439.04	1218	$32,691.12	254	$5,486.40	316	$6,730.80	$129,792.00	3624	$251,360.28

Total = (Unburdened Rate + 150% Overhead + 10% Profit) + Expenses = $464,104.77

Price per parcel (50 parcels) = $9,282.10

Table 4
OU-1 SAMPLING, ANALYSES AND DESIGN

Project Management , Phase 3 Sampling, Database Management & Input, and Remedial Design Preparation
(ETM and Aerostar Environmental Services, Inc.)

OU-1 Sampling at Brown's Dump, 5th & Cleveland, Forest Street, and Lonnie Miller	$1,025.00	Parcel	X	80	Parcels	=	$	82,000.00

Phase 3 Laboratory Analytical Services
(Test America)

Laboratory Analytical								
Lead	120	tests	@	$15.00	per Test	=	$	1,800.00
Arsenic	120	tests	@	$15.00	per Test	=	$	1,800.00
PAHs	52	tests	@	$105.00	per Test	=	$	5,460.00
Dioxins	52	tests	@	$560.00	per Test	=	$	29,120.00
Total Estimated Cost for 86 Parcels							$	38,180.00

Phase 3 Data Validation
(Aerostar Environmental Services, Inc.)

Data Validation							
Lead & Arsenic	$20.00	EA	X	120	Analyses	$	2,400.00
PAHs	$60.00	EA	X	52	Analyses	$	3,120.00
Dioxins	$195.00	EA	X	52	Analyses	$	10,140.00
Total Estimated Cost for Sampling and Data Validation of 86 Parcels						$	15,660.00

TOTAL OU-1 SAMPLING, ANALYSES AND DESIGN	$	135,840.00
LUMP SUM COST PER PARCEL	**$**	**1,698.00**

Table 5
OU-2 SAMPLING, ANALYSES AND DESIGNS

Project Management , Phase 3 Sampling, Database Management & Input, and Remedial Design Preparation
(ETM and Aerostar Environmental Services, Inc.)

OU-2 Sampling at 5th & Cleveland and Forest Street	$1,025.00	Parcel	X	26	Parcels	=	$	26,650.00

Phase 3 Laboratory Analytical Services
(Test America)

Laboratory Analytical								
Lead	38	tests	@	$15.00	per Test	=	$	570.00
Arsenic	38	tests	@	$15.00	per Test	=	$	570.00
PAHs	17	tests	@	$105.00	per Test	=	$	1,785.00
Dioxins	17	tests	@	$560.00	per Test	=	$	9,520.00
TAL Metals	38	tests	@	$85.00	per Test	=	$	3,230.00
Total Estimated Cost for 27 Parcels							$	15,675.00

Phase 3 Sampling
(Aerostar Environmental Services, Inc.)

Data Validation								
Lead & Arsenic	$20.00	EA	X	38	Analyses	=	$	760.00
PAHs	$60.00	EA	X	17	Analyses	=	$	1,020.00
Dioxins	$195.00	EA	X	17	Analyses	=	$	3,315.00
TAL Metals	$65.00	EA	X	38	Analyses	=	$	2,470.00
Total Estimated Cost for Sampling and Data Validation of 27 Parcels							$	7,565.00

TOTAL OU-2 SAMPLING, ANALYSES AND DESIGN	$	49,890.00
LUMP SUM COST PER PARCEL	**$**	**1,918.85**

EXHIBIT "AA"
SCOPE OF SERVICES
CIVIL ENGINEERING DESIGN FOR
ASH SITE REMEDIATION

1.0 BACKGROUND

England, Thims & Miller, Inc. (ETM) has a Contract (Architectural/Engineering Services as Program Director for Contaminated Site Remediation) with the City of Jacksonville (the City) to serve as the City's Program Director for the remediation of ash contaminated sites within the City, as required by the Remedial Design/Remedial Action Consent Decree for Jacksonville Ash and Brown's Dump Sites Administered under the Comprehensive Environmental, Response, Compensation and Liability Act ("Consent Decree") between the City and the Environmental Protection Agency. The main focuses of the remediation efforts has been the four EPA-jurisdictional sites that have Records of Decision (RODs), i.e. Brown's Dump Site, 5th and Cleveland Incinerator Site, Forest Street Incinerator Site, and Lonnie Miller Park Site.

All four EPA-jurisdictional sites have undergone remediation and to date, over 1,400 parcels have been remediated. The remediation activities are anticipated to continue through 2016 including 5th and Cleveland Incinerator Site - Parts 5, 6 & 7, Brown's Dump Soil Cover, Lonnie Miller Mission Parcel, Lonnie Miller Park Soil Cover, Forest Street Incinerator/Park Site and the remaining parcels within the Sites.

The City is planning to redevelop the Lonnie Miller Park which also requires remediation. In an effort to save funds, the City has elected to join the remediation and development efforts into one project. This requires conducting a topographic survey and tree inventory, the preparation of engineering plans, environmental permitting and contract administration for the park development in addition to the remediation services under contract.

1.0 SURVEYING SERVICES

ETM subconsultant, Robert M. Angas Associates, Inc. (RMA) will provide a topographic survey of the redevelopment areas of Lonnie Miller Park and a protected tree inventory of the development areas (not including the wetland areas that will remain), if necessary. The proposal for the work is attached.

2.0 WETLAND DELINEATION, VERIFICATION AND PERMITTING

ETM subconsultant, Environmental Services, Inc. (ESI) will provide wetland delineation, ACOE.FDEP wetland boundary verification, FDEP Individual Environmental Resource Permit assistance and Request for Additional Information assistance. The proposal for the work is attached.

3.0 PARK IMPROVEMENT CONSTRUCTION DOCUMENTS

ETM Inc. will design and prepare construction documents for the park improvements. Construction documents will be in accordance with City of Jacksonville and JEA criteria and will include the following:

A. Site Geometry Plan
B. Stormwater Collection System Design and Details
C. Paving and Drainage Plans and Details
D. Potable Water Distribution System Design and Details
E. Gravity Sewer Collection Design and Details
F. Erosion and Sediment Control Plan and Details
G. Traffic Control Plan
H. Stormwater Pollution Prevention Plan
I. Fire Protection System Design
J. Coordination with Owner and Architect on site specific details

4.0 SANITARY SEWER PUMP STATION AND FORCEMAIN DESIGN

ETM will design and prepare construction documents for a pump station to serve the site with a forcemain connection to a proposed off site forcemain.

ETM will prepare design/construction documents in accordance with JEA and FDEP criteria and will include the following:

A. System analysis and coordination with JEA
B. Pump station design plans and details
C. Pump station design calculations
D. Forcemain design and calculations
E. Electrical controls design

5.0 TREE MITIGATION / CODE LANDSCAPE AND IRRIGATION PLAN

ETM will prepare tree mitigation / code minimum landscape and irrigation plans in accordance with City of Jacksonville criteria.

6.0 ST. JOHNS RIVER WATER MANAGEMENT DISTRICT PERMIT APPLICATION

Includes the preparation of the St. Johns River Water Management District Permit Application, required submittal documentation and coordination of the approval process. Also includes calculations/design associated with demonstrating net improvements for nitrogen due to Ribault River impairment.

7.0 JEA REVIEW PROCESS

ETM will prepare permit application packages and coordinate the review by JEA of the water and sewer plan.

8.0 DEPARTMENT OF ENVIRONMENTAL PROTECTION WATER DISTRIBUTION SYSTEM GENERAL PERMIT

ETM will complete the necessary permit application, calculations and exhibits required to make application submittal and ETM will coordinate the review process.

9.0 ENVIRONMENTAL PROTECTION SANITARY SEWER COLLECTION SYSTEM GENERAL PERMIT

ETM will complete the necessary permit application, calculations and exhibits required to make application submittal and ETM will coordinate the review process.

10.0 ENVIRONMENTAL PROTECTION AGENCY NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL NOTICE OF INTENT – CONSTRUCTION PERMIT

Utilizing the approved Stormwater Pollution Prevention Plan approved during the SJRWMD ERP process, ETM will prepare and submit the Notice of Intent to the FDEP and coordinate its processing.

11.0 SITE CLEARING PERMIT APPLICATION

ETM proposes to prepare the site clearing / horizontal development permit application package for the project. The application package will be submitted and processed through the City of Jacksonville.

12.0 JEA ELECTRIC DESIGN COORDINATION

ETM will prepare and submit the underground electric design package to JEA for their use in designing the electrical distribution system and ETM will also coordinate with JEA on specific details.

13.0 GEOTECHNICAL EXPLORATION AND GROUNDWATER SAMPLING AND ANALYSIS FOR GENERAL PERMIT FOR DISCHARGE OF PRODUCED GROUNDWATER

ETM will contract for and coordinate the services required to evaluate the subsurface conditions within the proposed parking areas and stormwater management facilities and to make application for the generic permit, which includes the installation of monitoring wells, groundwater sampling/analysis, and preparation/submittal of a letter report to FDEP.

14.0 ADDITIONAL CONSTRUCTION ADMINISTRATION

ETM proposes to perform limited construction administration throughout the construction and closeout phase of the project. This task includes the following services:

1. Shop Drawings Review
2. Underground Utility As-built Review
3. Regulatory Agency Required Inspection
4. Certification to SJRWMD
5. Certification to City of Jacksonville
6. Water and Sewer Certification to JEA/FDEP
7. Assistance with City of Jacksonville and JEA Acceptance

ITEMS NOT INCLUDED

- Material Testing
- Construction Safety Compliance
- Permit Application Fees
- Groundwater Modeling/Analysis
- Construction Stakeout
- Phase 1 Environmental Investigation
- Building Design
- Final Grading Design of Ball Fields (rough grading for drainage only)
- Environmental Audit
- Consumptive Use Permitting
- Traffic Study
- Traffic Signal Design/Permitting
- Lighting Design
- Owner, Architect Required Revisions after City of Jacksonville Plan Approval
- FEMA Permitting
- Retaining Wall Design

15.0 COST DETAILS

Detailed Costs for services are provided in Attachment A and summarized below: The costs are based on the activities described above.

FEE SUMMARY		FEE
Task 1	Surveying Services	
	a. Topographic Survey	$45,000.00
	b. Protected Tree Inventory	$20,000.00
Task 2	Wetland Delineation, Verification and Permitting	$12,500.00
Task 3	Park Improvement Construction Documents	$86,251.00
Task 4	Sanitary Sewer Pump Station and Forcemain Design	$14,352.58
Task 5	Tree Mitigation/Code Landscape and Irrigation Plan	$10,013.14
Task 6	St. Johns River Water Management District Permit Application	$27,697.73
Task 7	JEA Review Process	$2,821.17
Task 8	FDEP Water Distribution System General Permit	$2,098.47
Task 9	FDEP Sanitary Sewer Collection System General Permit	$2,098.47
Task 10	FDEP NPDES General Notice of Intent – Construction Permit	$1,888.70
Task 11	COJ Site Clearing Permit Application	$2,473.74
Task 12	JEA Electric Design Coordination	$3,104.70
Task 13	Geotechnical Exploration and Groundwater Sampling and Analysis for General Permit	$1,587.96
	for Discharge of Produced Groundwater (Geotech by Others est. $12,000)	$12,000.00
Task 14	Limited Construction Administration	$24,347.35
	TOTAL	**$268,234.99**

"8B"

EXHIBIT "~~6~~B"

CONTRACT FEE SUMMARY
CITY OF JACKSONVILLE, FLORIDA

PART I - GENERAL	
1. Project Civil Engineering for Ash Site Remediation - Lonnie Miller Regional Park Improvements	**2. Proposal Number** P-30-07 (Amendment #14)
3. Name of Consultant England-Thims & Miller, Inc. Contract #6398-18	**4. Date of Proposal** 01/11/17

PART II - LABOR RELATED COSTS

5. Direct Labor	Hourly Rates Original	Hourly Rates Reduced	Estimated Hours	Estimated Cost	TOTAL
Program Director	$ 74.52	$ 73.03	64	$ 4,673.92	
Deputy Program Director	$ 74.52	$ 73.03	0	$ 0.00	
Senior Engineer	$ 47.58	$ 46.63	354	$ 16,507.02	
Designer		$ 38.14	662	$ 25,248.68	
Senior Planner / Senior Landscape Arch.		$ 46.63	64	$ 2,984.32	
Landscape Architect		$ 32.92	40	$ 1,316.80	
GIS Administrator	$ 40.99	$ 40.17	0	$ 0.00	
Lead Construction Inspector		$ 32.92	120	$ 3,950.40	
GIS Programmer	$ 33.13	$ 32.47	0	$ 0.00	
Cad Technician/GIS Analyst	$ 22.04	$ 21.60	440	$ 9,504.00	
Administrative	$ 21.73	$ 21.30	38	$ 809.40	
TOTAL DIRECT LABOR			1,782		$ 64,994.54
6. Overhead (Combined Fringe Benefit & Administrative) Overhead Rate			150 % x Total Direct Labor		$ 97,491.81
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)					$ 162,486.35
8. PROFIT: Labor Related Costs (Item 7)			x	10%	$ 16,248.64
TOTAL DIRECT LABOR					$ 178,734.99

PART III - OTHER COSTS

9. Miscellaneous Direct Costs		
Reimbursable Expenses	$ 0.00	
MISCELLANEOUS DIRECT COSTS SUB-TOTAL		$0.00
10. SUBCONTRACTS (Lump Sum)		
SUB-CONTRACT SUB-TOTAL		
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)		$ 178,734.99
11. Reimbursable Costs - (Limiting Amount)		
Surveying Services (Topographic Survey and Tree Inventory, if necessary) See RMA Quote	$ 65,000.00	
Geotechnical Services (estimate)	$ 12,000.00	
Environmental Services (Wetland Delineation, Boundary Verification, ERP assistance, and RAI assistance) See ESI Quote	$ 12,500.00	
SUB-TOTAL REIMBURSABLES		89,500.00

PART IV - SUMMARY

TOTAL AMOUNT OF AMENDMENT #11 (Lump Sum Plus Reimbursables) (Items 5, 6, 8, 9, 10 and 11)	**$268,234.99**
12. PRIOR CONTRACT AMOUNT (Through Amendment #9)	$38,402,636.24
AMENDED AMOUNT OF CONTRACT	**$38,670,871.23**

Attachment A
Lonnie Miller Regional Park Improvements
Planning, Engineering and Permitting
Lump Sum Fee

Staff	Program Director / Principal		Senior Engineer		Designer		Senior Planner / Senior Landscape Architect		Landscape Architect		Lead Construction Inspector		CAD Technician / GIS Analyst		Administrative Assistant		TOTAL	
Hourly Rate*	$73.03		$46.63		$38.14		$46.63		$32.92		$32.92		$21.60		$21.30			
Activity	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
Park Improvement Construction Documents	40	$2,921.20	160	$7,460.80	320	$12,204.80	40	$1,865.20					320	$6,912.00			880	$31,364.00
Sanitary Sewer Pump Station and Forcemain Design	4	$292.12	60	$2,797.80	40	$1,525.60							24	$518.40	4	$85.20	132	$5,219.12
Tree Mitigation / Code Landscape and Irrigation Plan	2	$146.06	4	$186.52	4	$152.56	20	$932.60	40	$1,316.80			40	$864.00	2	$42.60	112	$3,641.14
St. Johns River Water Management District Permit Application	10	$730.30	80	$3,730.40	120	$4,576.80							40	$864.00	8	$170.40	258	$10,071.90
JEA Review Process			8	$373.04	16	$610.24									2	$42.60	26	$1,025.88
FDEP Water Distribution System General Permit			4	$186.52	14	$533.96									2	$42.60	20	$763.08
FDEP Sanitary Sewer Collection System General Permit			4	$186.52	14	$533.96									2	$42.60	20	$763.08
FDEP NPDES General Notice of Intent - Construction Permit			4	$186.52	12	$457.68									2	$42.60	18	$686.80
COJ Site Clearing Permit Application			4	$186.52	14	$533.96	2	$93.26					2	$43.20	2	$42.60	24	$899.54
JEA Electric Design Coordination			6	$279.78	20	$762.80							4	$86.40			30	$1,128.98
Geotechnical Exploration and Groundwater Sampling and Analysis for General Permit for Discharge of Produced Groundwater (Geotech by Others est. $12,000)			4	$186.52	8	$305.12							2	$43.20	2	$42.60	16	$577.44
Limited Construction Administration	8	$584.24	16	$746.08	80	$3,051.20	2	$93.26			120	$3,950.40	8	$172.80	12	$255.60	246	$8,853.58
SUBTOTAL	64	$4,673.92	354	$16,507.02	662	$25,248.68	64	$2,984.32	40	$1,316.80	120	$3,950.40	440	$9,504.00	38	$809.40	**1782**	**$64,994.54**

* The Hourly Rates include the 2% rate reductions.

Burdened Rate $178,734.99

ROBERT M. ANGAS ASSOCIATES, INC.

www.rmangas.com
tel 904-642-8550 • fax 904-642-4165
14775 Old St. Augustine Road • Jacksonville, Florida 32258

Quote

July 28, 2015

Ms. Juanitta Clem, P.E.
Vice President / Principal
England-Thims & Miller
14775 Old St. Augustine Road
Jacksonville, Florida 32258
Tel: (904) 642-8990
Email: clemj@etminc.com

Reference: ***Lonnie Miller Regional Park ~ Surveying Services***

Dear Ms. Clem,

Pursuant to your request, Robert M. Angas Associates, Inc., is pleased to submit a fee proposal for surveying services for the Ash Remediation Areas within the Lonnie Miller Regional Park located northerly of Moncrief Road and westerly of the Ribault River in Jacksonville, Florida. Our proposed scope of services and fee schedule are as follows:

Task 1: Topographic Survey

Provide a topographic survey of a portion of the park referenced above and as depicted on graphic prepared by England-Thims & Miller, Inc. The limits of the survey will begin fifty feet easterly of the woods line at the east end near the Ribualt River extending westerly to a fenced off area within the park and extend to the centerline of Moncrief Road along its southern boundary. The topographic survey data will be collected at a 100 foot grid at 100 foot intervals and any change of topography (200 foot within the wetlands). The surveyed data will be referenced to a published vertical datum. The location and mapping of improvements and utilities will be limited to above ground visible evidence only. The deliverable will consist of digital data files of the survey suitable for civil engineering design with a final map to follow soon thereafter, if needed.

Estimated Fee, Hourly Rates.....$45,000.00

Reference: ***Lonnie Miller Regional Park ~ Surveying Services***

Task 2: Protected Tree Inventory

Prepare a tree inventory of the protected trees only within the uplands area that is to be remediated for the above referenced site in accordance with the City of Jacksonville's standards for tree protection which includes locating all trees six inches and larger within twenty feet of all rights of way and all protected trees 11.5 inches and larger within the interior of the parcel. The delivery will consist of a report denoting tree type and its diameter at breast height.

Hourly Rates, Estimated Fee $20,000.00

Sincerely,

ROBERT M. ANGAS ASSOCIATES, INC.

Damon J. Kelly, P.S.M.
Vice President

ENVIRONMENTAL SERVICES, INC.
7220 Financial Way, Suite 100
Jacksonville, FL 32256

Phone 904-470-2200 * Fax 904-470-2112

www.environmentalservicesinc.com

10 August 2015

Ms. Alexa Graf
England-Thims & Miller, Inc.
14775 St. Augustine Road
Jacksonville, Florida 32258

RE: Lonnie Miller Park (EJ15342.00)
Duval County, Florida

Dear Ms. Graf:

Thank you for contacting Environmental Services, Inc. (ESI). Pursuant to our recent conversation, ESI is pleased to enclose the attached proposal. Please note under our Terms section at the end of the proposal that, as the client, you assure ESI that we have permission to work on the property being evaluated and that you will advise us regarding the proper procedures for accessing the property.

If the attached meets your requirements, please approve by signing and returning the enclosed document to us by mail to the address above, by fax (904-470-2112) or via email (rtaylor@esinc.cc). We are prepared to proceed upon receipt of the signed contract. We look forward to working with you.

Please contact me should you have any questions. Thank you for selecting ESI to assist with your environmental consulting needs.

Sincerely yours,

ENVIRONMENTAL SERVICES, INC.

Ryan Taylor
Senior Manager

RRT/smc/EJ15342.proposal.doc
S:pf081015f

PROPOSAL FOR SERVICES
ESI PROJECT NO. EJ15342.00

The following Contract for Services is an agreement between Environmental Services, Inc., (ESI) and England-Thims & Miller, Inc., (Client) with the terms specified herein. Client agrees that the company/individual signing this agreement has the ability to compensate ESI for the work described herein whether or not the proposed project materializes. ESI agrees to perform the following tasks for the associated fee.

Project Name: **Lonnie Miller Park**
Project Location: **Duval County, Florida**

SCOPE OF SERVICES		FIXED FEE
Task 1.	**Wetland Delineation**	$5,000.00

ESI will field delineate the limits of jurisdictional wetlands pursuant to the current methodologies of the U.S. Army Corps of Engineers [(ACOE) 2010 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region (Version 2.0)], Florida Department of Environmental Protection (FDEP) and St. Johns River Water Management District [(SJRWMD) Florida Unified Wetland Delineation Methodology, Chapter 62-340, F.A.C.]. We will provide you and your chosen land surveyor with a flagging key map showing the approximate location of the jurisdictional line.

This task does not include the formal mapping of the wetland boundary. A licensed land surveyor must perform this mapping.

Task 2.	**ACOE/FDEP Wetland Boundary Verification**	$2,000.00

ESI will coordinate ACOE and FDEP field verification of the limits of jurisdictional wetlands as established by ESI. ESI will coordinate with your surveyor to insure that appropriate adjustments to wetland surveys are made based on the results of the field review and that final surveys meet the technical standards as required by ACOE and FDEP.

Task 3.	**FDEP Individual Environmental Resource Permit**	$3,500.00

ESI will assist your consulting engineer in preparation and submittal of an Individual Environmental Resource Permit (ERP) application. ESI will prepare responses to environmental portions of Section E of the ERP application.

This permit will require approximately 90 to 120 days from the date of application submittal to obtain. The permit will require approval from the Florida Department of Environmental Protection staff.

**This cost does not include the permit application fee payable to Florida Department of Environmental Protection.*

TIME & MATERIALS

Task 4. Requests for Additional Information (RAI) — $2,000.00 estimate

ESI will prepare responses to one RAI from each permitting agency.

In most cases, the representatives from ACOE and FDEP ask for additional information related to the project which is not typically included in the permit application. The content and detail of these requests are difficult to predict at this time as this is dependent upon the level of scrutiny that the agency personnel and others offering comments feel is appropriate for the project. Typically, FDEP issues one RAI with questions related to both environmental and stormwater engineering issues. ACOE RAIs typically consist of providing technical responses to comments from U.S. Fish and Wildlife Service (FWS), National Marine Fisheries Service (NMFS), U.S. Environmental Protection Agency (EPA) or others.

Additional services not specifically addressed herein will be invoiced on a time and materials basis at standard ESI hourly rates. We will provide you with a written proposal for these tasks if, or when, they become necessary. We are prepared to proceed upon receipt of the signed contract.

ESI is committed to providing quality service to our clients. Every project is reviewed by a senior technical manager to ensure that the work has been performed in compliance with our goal of providing superior service and solutions to our clients.

Project Name: **Lonnie Miller Park (EJ15342.00)**
Project Location: **Duval County, Florida**

Task 1:	Wetland Delineation	Fee:	$5,000.00
Task 2:	ACOE/FDEP Wetland Boundary Verification	Fee:	$2,000.00
Task 3:	FDEP Individual Environmental Resource Permit	Fee:	$3,500.00
Task 4:	Requests for Additional Information	Fee:	$2,000.00 est.
		Total Fee:	**$12,500.00 est.**

TERMS:

- ESI will complete the work described above in a timely manner unless delayed by Client's request, lack of information, or intervening factors beyond our control.
- Client assures ESI that it has permission to work on the subject property and will advise ESI of proper procedures for accessing subject property.
- **ESI will maintain a minimum $1,000,000 errors and omissions (professional liability) insurance; $1,000,000 per occurrence and $2,000,000 aggregate general liability insurance for the duration of the project. If any additional insurance requirements are necessary, please return the specifications with the signed proposal. They will become a part of this contract as agreed by both parties.**
- Outside services and expenses such as subcontractors and special purchases will be invoiced with a handling fee of 15 percent.
- **A retainer of $0.00 is required; the retainer will be subtracted from the last invoice and is required by ESI to initiate work.**
- Client will provide ESI with any special billing formats or considerations with the signed contract.
- Billing is done monthly. **Payment is due immediately upon receipt of the invoice**; after 30 days the Client agrees to pay 1.5 percent late fee per month or portion thereof on unpaid balances. Unpaid balances after 60 days from the date of the invoice may result in work stoppage until overdue accounts are resolved.
- Failure to pay within 60 days from the date of invoice will be considered by ESI to be a breach of contract, and ESI may cease work and withhold all work product immediately without penalty from the Client.
- Client agrees that this contract is an agreement between Client and ESI. Payment is due from Client at the time services are performed. Payment shall not be contingent upon regulatory action or upon resolution of any legal matter that ESI is not a party to. If ESI is being contracted to complete work which Client will use in a legal dispute, Client agrees to pay ESI in a timely manner without regard to the current standing of that legal dispute. ESI fees may not be incorporated into real estate closings without prior written consent from ESI.
- Any disputes regarding payment for services will be resolved in a court in the county of the ESI office responsible for the work. Client agrees to pay all legal fees and other collection costs incurred by ESI to collect unpaid invoices.
- ESI rates change on March 1 of each year.
- **This proposal is valid for a period of 60 days following the date of issuance.**

TERMS ACCEPTED:		**ENVIRONMENTAL SERVICES, INC.**	
SIGNATURE:	_____	SIGNATURE:	Gary K Howalt
NAME:	_____	NAME:	Gary K. Howalt
FIRM:	_____	FIRM:	Environmental Services, Inc.
TITLE:	_____	TITLE:	Principal
DATE:	_____	DATE:	10 August 2015

BILLING ADDRESS AND CONTACT IF DIFFERENT FROM ABOVE:

_____

_____

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ENVIRONMENTAL SERVICES, INC.
SCHEDULE OF LABOR AND EXPENSE RATES

POSITION	RATE
Technical	
Assistant Scientist	$40.00/Hour
Environmental Technician	$50.00/Hour
Project Scientist	$55.00/Hour
Senior Scientist	$70.00/Hour
Senior Geologist	$115.00/Hour
Project Archaeologist	$45.00/Hour
Senior Archaeologist	$55.00/Hour
Historic Resource Specialist	$75.00/Hour
Sustainability Specialist	$95.00/Hour
Project Forester	$85.00/Hour
Senior Forester	$100.00/Hour
Project Manager	$95.00/Hour
Senior Manager	$105.00/Hour
Forest Biometrician	$100.00/Hour
SR Forest Biometrician	$140.00/Hour
VP/Technical Director	$140.00/Hour
SR VP/Technical Director	$155.00/Hour
SR VP II/Technical Director	$175.00/Hour
Principal	$200.00/Hour
Administrative	
Receptionist	$35.00/Hour
Administrative Assistant	$50.00/Hour
Exec. Admin Assistant	$65.00/Hour
Graphics	
CAD/GIS Technician	$55.00/Hour
CAD/GIS Analyst	$75.00/Hour
CAD/GIS Manager	$100.00/Hour

EXPENSE	CHARGE
Additional Services	
CADD/GIS Usage	$30.00/Hour
Global Positioning System	$50.00/Day
ATV Usage	$50.00/Day
Boat Usage	$100.00/Day
Local Courier Service	$13.00/Delivery
Outside Graphics	Cost + 15%
All Subcontracted Services	Cost + 15%
Travel	
Vehicle Mileage Rate	$0.575/Mile
Travel Expenses	Cost
Copies	
Photocopy Per Page	$0.15
Color Copy Per Page	$1.50 8 ½ x 11
	$2.50 8 ½ x 14
	$3.00 11 x 17
Full Size Copy Per Page	$2.00 24 x 36
	or 36 x 48 b/w
	$20.00 24 x 36
	or 36 x 48 color
Blueprints or Xerox Per Page	$2.50
Aerial Photography	$50 0 - 15 acres
	$100 16 - 50 acres
	$200 51 - 100 acres
	$300 101 - 999 acres
	$500 1000+ acres