

CITY COUNCIL AGENDA ITEM COVER MEMO

Agenda Item Number _____

Meeting Type: Regular

Meeting Date: 1/24/2013

Action Requested By:
Engineering

Agenda Item Type
Resolution

Subject Matter:

Agreement with AMEC Environment & Infrastructure, Inc.

Exact Wording for the Agenda:

Resolution authorizing the Mayor to enter into an agreement with AMEC Environment & Infrastructure, Inc. for Phase I Environmental Site Assessment Services for Western Area Growth Corridor, Project No. 65-13-SP08

Note: If amendment, please state title and number of the original

Item to be considered for: Action

Unanimous Consent Required: No

Briefly state why the action is required; why it is recommended; what Council action will provide, allow and accomplish and; any other information that might be helpful.

Engineering services contract to perform environmental studies for the western area growth corridor within the City limits. Environmental Site Assessment services in a lump sum amount of \$16,000.00. Account No. 23-6300-0811-8501

Associated Cost:

Budgeted Item: Select...

MAYOR RECOMMENDS OR CONCURS: Select...

Department Head:  Date: _____

revised 3/12/2012

IP
Porter
KM

ROUTING SLIP CONTRACTS AND AGREEMENTS

Originating Department: **Engineering**

Council Meeting Date: **1/24/2013**

Department Contact: **Lynn Majors**

Phone # **256-427-5201**

Contract or Agreement: **Environmental Site Assessment Services**

Document Name: **AMEC-Jetplex Industrial Park Project No. 65-13-SP08**

City Obligation Amount: **\$16,000.00**

Total Project Budget: **\$16,000.00**

Uncommitted Account Balance: **0**

Account Number: ⁶³⁰⁰
~~23-6500~~-0811-8501

Procurement Agreements

<u>Not Applicable</u>	<u>Not Applicable</u>
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Grant-Funded Agreements

<u>Not Applicable</u>	Grant Name:
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Department	Signature	Date
1) Originating	<i>Kathy Martin</i>	1-15-13
2) Legal	<i>Mary Carter</i>	1-17-13
3) Finance	<i>[Signature]</i>	1/17/13
4) Originating		
5) Copy Distribution		
a. Mayor's office (1 copies)		
b. Clerk-Treasurer (Original & 2 copies)		

RESOLUTION NO. 13-

BE IT RESOLVED by the City Council of the City of Huntsville, Alabama, that the Mayor be, and is hereby authorized, to enter into an agreement with AMEC Environment & Infrastructure, Inc. in the total amount of SIXTEEN THOUSAND AND NO/100 DOLLARS (\$16,000.00) for Phase I Environmental Site Assessment Services for Western Area Growth Corridor, Project No. 65-13-SP08, in Huntsville, Alabama, on behalf of the City of Huntsville, a municipal corporation in the State of Alabama, which said agreement is substantially in words and figures similar to that document attached hereto and identified as "Agreement between City of Huntsville and AMEC Environment & Infrastructure, Inc. for Phase I Environmental Site Assessment Services for Western Area Growth Corridor, Project No. 65-13-SP08" consisting of a total of eighteen (18) pages plus twenty-four (24) additional pages consisting of Attachments 1-15, and the date of January 24, 2013, appearing on the margin of the first page, together with the signature of the President or President Pro Tem of the City Council, and an executed copy of said document being permanently kept on file in the Office of the City Clerk of the City of Huntsville, Alabama.

ADOPTED this the 24th day of January, 2013.

President of the City Council of
the City of Huntsville, Alabama

APPROVED this the 24th day of January, 2013.

Mayor of the City of Huntsville,
Alabama

AGREEMENT BETWEEN
CITY OF HUNTSVILLE, ALABAMA
AND
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.
FOR
PHASE I ENVIRONMENTAL SITE ASSESSMENT SERVICES
FOR
WESTERN AREA GROWTH CORRIDOR

Project No. 65-13-SP08
January 24, 2013

President of the City Council of the
City of Huntsville, AL
Date: January 24, 2013

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**AGREEMENT BETWEEN
CITY OF HUNTSVILLE, ALABAMA
AND
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.
FOR
PHASE I ENVIRONMENTAL SITE ASSESSMENT SERVICES
FOR
WESTERN AREA GROWTH CORRIDOR**

Project I.D Number 65-13-SP08

THIS AGREEMENT made as of the 24th day of January in the year 2013, by and between the CITY OF HUNTSVILLE, ALABAMA (hereinafter called OWNER), and AMEC ENVIRONMENT & INFRASTRUCTURE, INC., (hereinafter called ENGINEER).

WITNESSETH, for the considerations hereinafter set forth, the parties hereto agree as follows:

ARTICLE 1 - ENGAGEMENT OF THE ENGINEER

The OWNER hereby engages the ENGINEER, and the ENGINEER hereby accepts the engagement to provide general engineering and consultation as a representative of the OWNER to include the following:

- 1.1 Professional engineering services for Phase I Environmental Site Assessment Services for Western Area Growth Corridor, as further described in ARTICLE 2, and hereinafter called PROJECT.
- 1.2 By executing this Agreement, the ENGINEER represents to the OWNER that the ENGINEER is a professional qualified to act as the ENGINEER for the PROJECT and is licensed and certified to practice engineering by all public entities having jurisdiction over the ENGINEER and the PROJECT. The ENGINEER further represents to the OWNER that the ENGINEER will maintain all necessary licenses, certifications, permits or other authorizations necessary to act as ENGINEER for the PROJECT until the ENGINEER's remaining duties hereunder have been satisfied. The ENGINEER shall assign only qualified personnel to perform any service concerning the PROJECT. All services rendered by the ENGINEER for the PROJECT shall be performed by or under the immediate supervision of experienced and qualified professionals licensed, certified, and registered as appropriate in the State of Alabama possessing the expertise in the discipline of the service being rendered. The ENGINEER assumes full responsibility to the OWNER for the negligent acts, errors and omissions of its consultants or others employed or retained by the ENGINEER in connection with the PROJECT.
- 1.3 Execution of this Agreement by the ENGINEER constitutes a representation that the ENGINEER has become familiar with the PROJECT site and the local conditions under which the PROJECT is to be implemented. The ENGINEER agrees to provide all necessary engineering services required to professionally accomplish the ENGINEER's defined scope of services.

ARTICLE 2 – DESIGN SERVICES OF THE ENGINEER

- 2.1 ENGINEER shall provide for OWNER professional engineering services for environmental site assessment of Western Area Growth Corridor.
- 2.2 These services shall include consultation and advice; customary civil, structural, mechanical and electrical engineering design services; and Architectural services incidental thereto, as outlined herein and further described in the SCOPE OF SERVICES, ATTACHMENT 1.

- 2.3 The ENGINEER shall serve as the OWNER's professional representative in those portions of the PROJECT to which this Agreement applies and shall consult with and advise the OWNER during the performance of these services.
- 2.4 The ENGINEER shall promptly correct, or have corrected, any errors, omissions, deficiencies or conflicts in the ENGINEER's work product or that of his sub-contractors/sub-consultants, without additional compensation for time, reproduction or distribution.
- 2.5 Field surveying work is required and shall be performed in accordance with "Standards of Practice for Surveying in the State of Alabama" as required by the Alabama Board of Registration for Engineering and Land Surveyors. Surveying shall include P.K. Nails or other permanent stationing markings as well as staking of right-of-way, easements and parcels of land acquired by the City of Huntsville. Property corners shall be set at the new right-of-way. Easements shall be staked as requested by the City of Huntsville. The above field work shall be performed as a minimum as needed at the time of right-of-way acquisition and one additional time near the 100% submittal stage as determined by the OWNER. The cost for these services is included in the fees for Basic Services.

Survey data shall be based on a US Public Land Survey System corner or quarter corner. Said corner or quarter corner shall be field verified by the surveyor and a state plane coordinate provided in deliverables submitted to the City of Huntsville. All survey work shall be based on the following datum's:

Coordinate System:	US State Plane
Zone:	Alabama East 0101
Vertical Datum:	The North American Vertical Datum of 1988 (NAVD 88)
Horizontal Datum:	The North American Datum of 1983 (NAD 83)
Geoid Model:	Geoid03
Units:	US Survey Feet

- 2.6 A valid City of Huntsville license shall be maintained throughout the term of this contract. Additionally, the engineering firm shall be required to obtain and pay for all other federal, state or local permits, licenses, and fees which may be necessary or required in order to perform the work detailed herein.

ARTICLE 3 – CONSTRUCTION ADMINISTRATION SERVICES

ARTICLE OMITTED

ARTICLE 4 - ADDITIONAL SERVICES

The following services of the ENGINEER are not included in Article 2. Nevertheless, the ENGINEER shall provide such services if authorized in writing by the OWNER, and they shall be paid for by the OWNER as provided in Article 7, unless otherwise noted.

- 4.1 Making revision in drawings, specifications or other documents when such revisions are inconsistent with written direction by the OWNER previously given, are required by the enactment of revision of codes, laws or regulations subsequent to the preparation of such documents and not reasonably anticipated, or are due to other causes not within the control or responsibility of the ENGINEER, either in whole or in part.
- 4.2 Preparing drawings, specifications and supporting data in connection with change orders, provided that such change orders are issued by the OWNER due to causes not within the control or responsibility of the ENGINEER, either in whole or in part.
- 4.3 Providing additional services for repair or replacement of work damaged by acts of God or other cause during construction provided that such services are required by causes not the responsibility of the ENGINEER, either in whole or in part.
- 4.4 Providing expert witness services and other services arising out of claims.

ARTICLE 5 - RESPONSIBILITIES OF OWNER

The OWNER, without cost to the ENGINEER, will perform the following in a timely manner so as not to delay the services of the ENGINEER:

- 5.1 Assist ENGINEER by placing at ENGINEER's disposal all available information pertinent to the PROJECT including previous reports and any other data relative to design or construction of the PROJECT.
- 5.2 Provide all criteria and full information as to OWNER's requirements for the PROJECT, including design objectives and constraints, space, capacity and performance requirements, flexibility and expendability, and any budgetary limitations. The OWNER shall also furnish copies of all design and construction standards, which OWNER will require to be included in the drawings and specifications.
- 5.3 Assist the ENGINEER as necessary in acquiring access to and making all provisions for the ENGINEER to enter upon public and private lands as required for the ENGINEER to perform the work under this agreement.
- 5.4 Designate in writing a person to act as the OWNER's representative with respect to the work to be performed under this Agreement, such person to have complete authority to transmit instructions, receive information, interpret and define the OWNER's policies and decision with respect to materials, equipment elements and systems pertinent to the work covered by this Agreement. Examine all studies, reports, sketches, drawings, specifications, proposals and other documents presented by ENGINEER, obtain advice of an attorney, insurance counselor and other consultants as OWNER determines appropriate for such examination and render in writing decisions pertaining thereto within a reasonable time so as not to delay the services of ENGINEER.
- 5.5 When requested by the ENGINEER, the OWNER will intercede on the ENGINEER's behalf when data from, or review by, third parties is not on schedule through no fault of the ENGINEER.
- 5.6 The OWNER's review of any documents prepared by the ENGINEER or its consultants shall be solely for the purpose of determining whether such documents are generally consistent with the OWNER's intent. No review of such documents shall relieve the ENGINEER of its responsibility for the accuracy, adequacy, fitness, suitability and coordination of its work product.

ARTICLE 6 - PERIOD OF SERVICES

- 6.1 The ENGINEER shall commence services pursuant to this agreement as of January 25, 2013. The final completion date for the completion of design services outlined in Article 2 shall be February 1, 2013.

The ENGINEER shall perform these services with reasonable diligence and expediency consistent with sound professional practices. The ENGINEER shall include in his schedule an allowance for time required for OWNER's review of submissions and for approvals of authorities having jurisdiction over the PROJECT. When approved by the OWNER, the schedule shall not be exceeded by the ENGINEER, except for cause.

If the ENGINEER becomes aware of delays due to time allowances for review and approval being exceeded, delay by the OWNER, the OWNER's consultants, or any other reason beyond the ENGINEER's control, which may result in the schedule of performance of the ENGINEER's services not being met, the ENGINEER shall promptly notify the OWNER. If the OWNER becomes aware of any delays or other causes that will affect the ENGINEER's schedule, the OWNER shall promptly notify the ENGINEER. In either event, the ENGINEER's schedule for performance of its services shall be equitably adjusted.

ARTICLE 7 - PAYMENT TO THE ENGINEER

7.1 BASIC SERVICES

The OWNER shall compensate the ENGINEER for services rendered pursuant to this Agreement, excepting those services described as Additional Services in Article 4 of this Agreement, by payment of a Lump Sum Total Amount of SIXTEEN THOUSAND AND NO/100 DOLLARS (\$16,000.00) for environmental site assessment services. Additional services of the ENGINEER as described in Article 4, if any, shall be compensated on an hourly basis in accordance with Attachment 5.

7.2 REIMBURSABLE EXPENSES

The scope of work for sub-contracted services is defined in the ENGINEER's scope of services, Attachment 1. The scope includes provisions for administration expenses for subcontracted services and reimbursable direct expenses including but not limited to laboratory tests and analyses; computer services; word processing services; permit fees, bonds, telephone, printing, binding and reproduction charges; and other similar costs.

Indirect costs will have administrative fee reimbursements limited to no more than 5%. Direct costs are also limited to no more than 5% reimbursement.

7.3 EFFECTIVE DATE

This contract shall have no force or effect unless and until it is executed by the OWNER and the ENGINEER and a properly executed copy is mailed to the ENGINEER with a notice to proceed (NTP). If a NTP is not issued within sixty (60) days commencing from the last date of execution of this CONTRACT by the OWNER and the ENGINEER, then this CONTRACT shall be NULL AND VOID, the OWNER will not be obligated to any payment to the ENGINEER and the ENGINEER will not be obligated to perform any work under said CONTRACT.

PAYMENT SUMMARY

Environmental Site Assessment Services – Lump Sum Amount of	\$16,000.00
TOTAL CONTRACT AMOUNT:	\$16,000.00

ARTICLE 8 - GENERAL PAYMENT PROCEDURE

8.1 INVOICES

8.1.1 The ENGINEER shall submit monthly invoices to The Administrative Officer in the Engineering Department for the basic services described under Articles 2 and 4 for the design of the PROJECT. Invoices must include the City of Huntsville project name and number, dates of services, contract amount, previous billings and current billing. Along with each invoice, the ENGINEER must submit a consultant progress report in the format shown in Attachment 6 hereto. No payment will be made without the consultant progress report completed and attached. Monthly progress reports shall be submitted monthly even if no request for payment is made. If services under Article 4 are included in the invoice for additional services not included under the lump sum provisions, or services billed as time and material, the classification and hours of such persons rendering the services shall be attached to the invoice.

8.1.2 The signature of the ENGINEER on the invoice shall constitute the ENGINEER's representation to the OWNER that the services indicated in the invoice have progressed to the level indicated, have been properly and timely performed as required herein, that the reimbursable expenses included in the invoice have been reasonably incurred, that all obligations of the ENGINEER covered by prior invoices have been paid in full, and that, to the best of the ENGINEER's knowledge, information and informed belief, the

amount requested is currently due and owing, there being no reason known to the ENGINEER the payment of any portion thereof should be withheld. Submission of the ENGINEER's invoice for final payment and reimbursement shall further constitute the ENGINEER's representation to the OWNER that, upon receipt from the OWNER of the amount invoiced, all obligations of the ENGINEER to others, including its consultants, incurred in connection with the PROJECT, have been paid in full. ENGINEER must designate on Attachment 6 – Progress Report in the appropriate space provided that such action has been completed.

8.2 TIME FOR PAYMENT

The OWNER shall make payment for services in Articles 2 and 4 within 60 days of receipt of valid invoice.

8.3 OWNER'S RIGHT TO WITHHOLD PAYMENT

In the event the OWNER becomes credibly informed that any representations of the ENGINEER, provided pursuant to Article 8.1.2, are wholly or partially inaccurate, the OWNER may withhold payment of sums then or in the future otherwise due to the ENGINEER until the inaccuracy, and the cause thereof, is corrected to the OWNER's reasonable satisfaction. Additionally, failure by the ENGINEER to supply substantiating records shall be reason to exclude related costs from the amounts which might otherwise be payable by the OWNER to the ENGINEER.

8.4 REIMBURSABLE EXPENSES

8.4.1 In addition to the requirements set forth in 8.1 above, invoices for reimbursable expenses shall include such documentation as the OWNER may require. Reasonable expenses are limited to the following expenses:

- (a) Transportation outside the immediate Huntsville area (50 mile radius) approved in advance by the OWNER in writing and incurred in connection with the PROJECT. (Per Department of Treasury, Internal Revenue Service Publication 1542, Per Diem Rates, for travel within the continental United States). Refer to website: www.irs.gov/pub/irs-pdf/p1542.pdf for more information;
- (b) Charges for long-distance communications;
- (c) Fees paid for securing approval of authorities having jurisdiction over the PROJECT,
- (d) Actual costs of reproduction for items in excess of those included in the required services;
- (e) Postage and handling charges incurred for drawings, specifications and other documents.

8.4.2 The ENGINEER shall set forth with particularity on its invoice the nature and cost of the expense item being billed, and attach to its invoice the written authorization, if any, required for such item; and shall bill expenses at actual cost or prevailing rate and without the addition of administrative charge, any multiple or surcharge.

8.5 W-9 TAXPAYER FORM

All ENGINEERING FIRMS are required to submit a Federal Tax Form W-9 to City of Huntsville at the time a contract is awarded. No payments of invoices can be made until this W-9 Tax Form has been properly submitted. A copy of the W-9 Tax Form can be requested from the OWNER or at the following website: www.irs.ustreas.gov/pub/irs-pdf/fw9.pdf.

ARTICLE 9 - GENERAL CONSIDERATIONS

9.1 GENERAL

OWNER and ENGINEER agree that the following sections and provisions shall apply to the work to be performed under this Agreement and that such provisions shall supersede any conflicting provisions of this Agreement.

9.2 SUB-CONTRACTED SPECIALIZED SERVICES

The ENGINEER may sub-contract specialized services required of the PROJECT to competent and experienced sub-consultants approved by the OWNER in writing. As a prime professional, the ENGINEER shall act as OWNER's representative for contracting, directing, and managing the services of sub-consultants. The OWNER shall have the right to reject any consultant provided that the OWNER raises a timely objection. At the time of the execution of this Agreement, the parties anticipate that the consultants listed in Attachment "7" hereto will be retained by the ENGINEER to provide services with respect to the PROJECT. Expenses payable to the ENGINEER for administration of subcontracted services are limited to no more than 5% of the cost of the subcontracted services.

9.3 PEER REVIEW

The OWNER reserves the right to conduct, at the OWNER's expense, peer review of designs and drawings prepared by the ENGINEER and/or sub-consultant(s) for the PROJECT. The ENGINEER and sub-consultant(s) agree that knowledge and consent to review of their work by other engineers of the OWNER's choosing is hereby given in accordance with the ADMINISTRATIVE CODE (RULES AND REGULATIONS) of the Alabama State Board of Licensure for Professional Engineers and Land Surveyors, Chapter 330-X-14-.06(a) (13) effective January 2008 and as may be amended now or in the future pertaining to the Code of Ethics for review of the work of another engineer.

9.4 CLARIFICATION OF WORK

If reviewing agencies raise questions regarding the work of ENGINEER, OWNER will participate in such meetings as deemed necessary to explain and clarify this work.

9.5 CANCELLATION OF AGREEMENT

This Agreement may be canceled by either party in the event of default or violation of any of the provisions of this Agreement by the other party, by written notice delivered to the address of record by registered mail giving ten (10) days advance notice of the intention to cancel. In the event of cancellation of this Agreement, ENGINEER shall be paid for all work performed to date of cancellation, less any loss, damage, or liability incurred by reason of default of ENGINEER and all records, data, parameters, design calculations and other information collected or obtained in the performance of this Agreement shall be delivered to OWNER.

9.6 SUCCESSORS AND ASSIGNS

OWNER and ENGINEER each binds himself and his partners, successors, executors, administrators and assigns to the other party of this Agreement and to the partners, successors, executors, administrators and assigns of such other party, with respect of all covenants of this Agreement; except as above, neither OWNER nor ENGINEER shall assign, sublet or transfer his interest in this Agreement without written consent of the other. Nothing herein shall be construed as creating any personal liability on the part of any officer or agent of any public body that may be party hereof, nor shall it be construed as giving any rights or benefits hereunder to anyone other than OWNER and ENGINEER.

9.7 CHANGES

9.7.1 The OWNER may, at any time by written order, make changes within the general scope of the Agreement in the services to be provided. If such changes cause an increase or decrease in ENGINEER's cost of, or time required for performance of any services, whether or not changed by any order, an equitable adjustment shall be made and the Agreement shall be modified in writing accordingly. Upon notification of change, ENGINEER must assert any claim of ENGINEER for adjustment in writing within 30 days from the date of receipt unless OWNER grants a further period of time.

9.7.2 If findings in any phase of this PROJECT significantly alter the scope of work for subsequent phases, or if regulations are changed resulting in a scope of work change for

any phase, engineering fees set forth in Article 7 may be renegotiated by the OWNER and ENGINEER.

9.8 ENGINEER'S RECORDS

Documentation accurately reflecting services performed and the time expended by the ENGINEER and his personnel and records of reimbursable expenses shall be prepared concurrently with the performance of the services and shall be maintained by the ENGINEER. The ENGINEER shall maintain record copies of all written communications, and any memoranda of verbal communications related to the PROJECT. All such records and documentation shall be maintained for a minimum of five (5) years after the PROJECT date of final completion or for any longer period of time as may be required by law or good practice. If the ENGINEER receives notification of a dispute or of pending or commencement of litigation during this five-year period, the ENGINEER shall continue to maintain all PROJECT records until final resolution of the dispute or litigation. The ENGINEER shall make such records and documentation available to the OWNER upon notice and shall allow the authorized representative(s) of the OWNER to inspect, examine, review and copy the ENGINEER's records at the OWNER's reasonable expense.

9.9 USE AND OWNERSHIP OF DOCUMENTS

All rights of ownership, copyrights, construction documents, including all drawings, specifications and other documents, electronic media, computer source code, or things prepared by or on behalf of the ENGINEER for the PROJECT are hereby transferred to the OWNER and shall be the sole property of the OWNER and are free of any retention rights of the ENGINEER. The ENGINEER hereby grants to the OWNER an unconditional right to use or to refer to, for any purpose whatsoever, the construction documents and any other documents or electronic media, computer source code prepared by or on behalf of the ENGINEER for the PROJECT, free of any copyright claims, trade secrets or other proprietary rights with respect to such documents. The ENGINEER shall be permitted to retain copies thereof for its records. The ENGINEER's documents and other work products are not intended or represented to be suitable for re-use by OWNER or others on extensions of the PROJECT or on any other PROJECT. Any re-use without specific written verification or adaptation by ENGINEER will be at OWNER's sole risk and without liability or legal exposure to ENGINEER, and OWNER shall indemnify and hold harmless ENGINEER from all claims, damages, losses and expenses including attorneys' fees arising out of, or resulting from, such reuse by the OWNER; provided however, that this agreement to indemnify and save harmless shall not apply to any reuse of documents retained by, or through, the contractor.

9.10 ESTIMATE OF CONSTRUCTION COST

Since ENGINEER has no control over the construction cost of labor, materials, or equipment, or over the construction contractor(s) methods of determining prices, or over competitive bidding or market conditions, his opinion of probable PROJECT cost or construction cost provided for herein are to be made on the basis of his experience and qualifications and represent his best judgment as a design professional familiar with the construction industry; but, ENGINEER cannot and does not guarantee that proposals, bids or construction costs will not vary from opinions of probable cost prepared by him. If OWNER wishes greater assurance as to the construction cost, he will employ an independent cost estimator.

9.11 TERMINATION FOR CAUSE

This Agreement may be terminated by either party upon seven (7) days written notice to the other should such other party fail substantially to perform in accordance with its material terms through no fault of the party initiating the termination.

9.12 TERMINATION BY THE OWNER WITHOUT CAUSE

The OWNER may terminate this Agreement without cause upon seven (7) days' written notice to the ENGINEER. In the event of such a termination without cause, the ENGINEER shall be compensated for all services performed prior to termination, together with Reimbursable Expenses incurred. In such event, the ENGINEER shall promptly submit to the OWNER its

invoice for final payment and reimbursement which invoice shall comply with the provisions of Paragraph 8.1.

ARTICLE 10 - INDEMNITY AND INSURANCE

10.1 INSURANCE

The ENGINEER shall carry insurance of the following kinds and amounts in addition to any other forms of insurance or bonds required under the terms of the contract specifications. The ENGINEER shall procure and maintain for the duration of the job until final acceptance by the OWNER, or as later indicated, insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the ENGINEER, his agents, representatives, employees or subcontractor.

10.2 MINIMUM SCOPE OF INSURANCE:

A. General Liability:

Insurance shall be written on an occurrence basis. Claims-made coverage will be accepted only on an exception basis after the OWNER's approval. The same insurance company should write General Liability Coverage and OWNERs ENGINEERs Protective Insurance.

B. Commercial General Liability

Products and Completed Operations
Contractual
Personal Injury
Explosion, Collapse and Underground
Broad Form Property Damage

C. Professional Liability:

Insurance may be written on a "claims-made" basis, providing coverage for negligent acts, errors or omissions in the performance of professional services. Coverage shall be maintained for a discovery and reporting period of no less than five (5) years after completion of the professional services and Certificates of Insurance shall be submitted to the OWNER on a yearly basis during this time frame. Coverage shall be no less comprehensive than that which is carried by at least 25% of the registered engineers or engineering firms contracting in the State of Alabama. Such coverage shall be carried on a continuous basis including prior acts coverage to cover the subject PROJECT. The professional liability insurance shall contain contractual liability coverage.

D. Automobile Liability:

Business Automobile Liability providing coverage for all owned, hired and non-owned autos. Coverage for loading and unloading shall be provided under either automobile liability or general liability policy forms.

E. Workers' Compensation Insurance:

Statutory protection against bodily injury, sickness or disease or death sustained by employee in the scope of employment. Protection shall be provided by a commercial insurance company or a recognized self-insurance fund authorized before the State of Alabama Industrial Board of Relations. "Waivers of Subrogation" in favor of the OWNER shall be endorsed to Workers' Compensation Insurance.

F. Employers Liability Insurance:

Covering common law claims of injured employees made in lieu of or in addition to a worker's compensation claim.

10.3 MINIMUM LIMITS OF INSURANCE:

A. General Liability:

Commercial General Liability on an "occurrence form" for bodily injury and property damage:

\$ 2,000,000 General Aggregate Limit
\$ 2,000,000 Products - Completed Operations Aggregate
\$ 1,000,000 Personal & Advertising Injury
\$ 1,000,000 Each Occurrence

B. Professional Liability:

Insurance may be made on a "claims-made" basis:

\$ 500,000 Per Claim - Land Surveyors
\$ 1,000,000 Per Claim - Other Professionals

C. Automobile Liability:

\$ 1,000,000 Combined Single Limit per accident for bodily injury and property damage.

D. Workers' Compensation:

As required by the State of Alabama Statute

E. Employers Liability:

\$ 1,000,000 Bodily Injury by Accident or Disease
\$ 1,000,000 Policy Limit by Disease

10.4 OTHER INSURANCE PROVISIONS:

The OWNER is hereby authorized to adjust the requirements set forth in this document in the event it is determined that such adjustment is in the OWNER's best interest. If the insurance requirements are not adjusted by the OWNER prior to the OWNER's release of specifications with regard to the PROJECT in question, then the minimum limits shall apply. The City of Huntsville/OWNER shall be named on the policies of general liability and automobile insurance and on the certificate of insurance as an Additional Insured. Additional Insured status on the Commercial General Liability policy shall be through ISO Additional Endorsement CG 20 10 11 85 or equivalent and coverage shall be afforded on a primary basis.

The policies are to contain, or be endorsed to contain, the following provisions:

A. All Coverage:

The ENGINEER is responsible to pay all deductibles. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be suspended, voided, canceled, non-renewal or materially changed by either party, reduced in coverage or in limits except after thirty (30) days' prior written notice by certified mail, return receipt requested, has been given to the OWNER. Cancellation of coverage for non-payment of premium will require ten (10) days written notice to the OWNER.

10.5 ACCEPTABILITY OF INSURERS:

Insurance is to be placed with insurers authorized by the State of Alabama with an A. M. Best rating of A-V or better.

10.6 VERIFICATION OF COVERAGE:

The OWNER shall be indicated as a Certificate Holder and the ENGINEER shall furnish the OWNER with Certificates of Insurance reflecting the coverage required by this document. The A. M. Best rating and deductibles, if applicable, shall be indicated on the Certificate of Insurance for each insurance policy. The certificates for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf and must be an original signature. Certificates signed using digital signatures will not be accepted. All certificates are to be received and approved by the OWNER before work commences. The OWNER reserves the right to require complete, certified copies of all required insurance policies at any time.

10.7 CONSULTANTS AND/OR SUBCONTRACTORS WORKING FOR THE ENGINEER:

The ENGINEER shall furnish separate certificates and/or endorsements for each subcontractor and/or consultant showing insurance of the same type or types and to the extent of the coverage set forth in this Article 10.

10.8 HOLD HARMLESS AGREEMENT:

A. Other Than Professional Liability Exposures:

The ENGINEER, to the fullest extent permitted by law, shall indemnify and hold harmless the OWNER, its elected and appointed officials, employees, agents, and representatives against all claims, damages, losses and expenses, including, but not limited to, attorney's fees, arising out of or resulting from the performance of the work, provided that any such claim, damage, loss or expense (1) is attributable to personal injury, including bodily injury sickness, disease or death, or to injury to or destruction of tangible property, including loss of use resulting there from, and (2) is caused by any negligent act or omission of the ENGINEER or any of their consultants, or anyone directly or indirectly employed by them or anyone for whose acts they are legally liable. Such obligation should not be construed to negate, abridge, or otherwise reduce any other right or obligation of indemnity, which would otherwise exist as to any party or person, described in this paragraph.

B. Professional Liability:

The ENGINEER agrees, to the fullest extent permitted by law, to defend, protect, indemnify and hold harmless the OWNER, its elected and appointed officials, officers, directors, employees, agents, and representatives from and against any and all liability, claims, demands, damages, loss, costs, fees, and expenses (including actual fees and expenses of attorneys, expert witnesses, and other consultants) actually or allegedly arising out of, or resulting from, the professional services of the ENGINEER or the ENGINEER's consultants, subcontractors, or suppliers, including, without limitation, any breach of contract or any negligent acts, errors, or omissions in the performance of the professional services provided pursuant to or as a result of this Agreement. Neither, the OWNER nor the ENGINEER shall be obligated to indemnify the other party in any manner whatsoever for the other parties own negligence.

To the fullest extent permitted by law, the ENGINEER shall defend, protect, indemnify, and hold harmless the OWNER, its elected and appointed officials, officers, directors, employees, agents, and representatives from and against any and all liability, claims, demands, damages, loss, costs, fees and expenses (including actual fees and expenses of attorneys, expert witnesses, and other consultants) for infringement of patent rights, copyrights, or other intellectual property rights, except with respect to designs, processes or products of a particular manufacturer expressly required by the OWNER in writing. If the ENGINEER has reason to believe the use of a required design, process or product is an infringement of a patent, the ENGINEER shall be responsible for such loss unless such information is promptly given to the OWNER.

ARTICLE 11- MISCELLANEOUS PROVISIONS

11.1 GOVERNING LAW

This Agreement shall be governed by the law of the State of Alabama.

11.2 INTENT AND INTERPRETATION

11.2.1 The intent of this contract is to require complete, correct and timely execution of the work. Any work that may be required, implied or inferred by the contract documents, or any one or more of them, as necessary to produce the intended result shall be provided by the ENGINEER.

11.2.2 This contract is intended to be an integral whole and shall be interpreted as internally consistent. What is required by any one contract document shall be considered as required by the contract.

11.2.3 When a word, term or phrase is used in this contract, it shall be interpreted or construed, first, as defined herein; second, if not defined, according to its generally accepted meaning in the engineering industry; and third, if there is no generally accepted meaning in the engineering industry, according to its common and customary usage.

11.2.4 The words "include", "includes", or "including", as used in this contract, shall be deemed to be followed by the phrase, "without limitation".

11.2.5 The specification herein of any act, failure, refusal, omission, event, occurrence or condition as constituting a material breach of this contract shall not imply that any other, non-specified act, failure, refusal, omission, event, occurrence or condition shall be deemed not to constitute a material breach of this contract.

11.2.6 Words or terms used as nouns in this contract shall be inclusive of their singular and plural forms, unless the context of their usage clearly requires a contrary meaning.

11.3 TIME IS OF THE ESSENCE

Time limitations contained herein, or provided for hereby, are of the essence of this Agreement. The ENGINEER understands and acknowledges that time is of the essence in completion of the PROJECT and that the OWNER will incur damages if the PROJECT is not completed on time.

11.4 SUCCESSORS AND ASSIGNS

The ENGINEER shall not assign its rights hereunder, excepting its right to payment, nor shall it delegate any of its duties hereunder without the written consent of the OWNER. Subject to the provisions of the immediately preceding sentence, the OWNER and the ENGINEER, respectively, bind themselves, their successors, assigns and legal representatives to the other party to this Agreement and to the successors, assigns and legal representatives of such other party with respect to all covenants of this Agreement.

11.5 NO THIRD-PARTY BENEFICIARIES

This Agreement shall inure solely to the benefit of the parties hereto and their successors and assigns. Nothing contained herein is intended to or shall create a contractual relationship with, or any rights in favor of, or any cause of action in favor of, any third party, against the OWNER or the ENGINEER.

11.6 INTELLECTUAL PROPERTY/ CONFIDENTIALITY

All information, documents, and electronic media, computer source code furnished by the OWNER to the ENGINEER belong to the OWNER, are considered proprietary and confidential, unless otherwise indicated by the OWNER, and are furnished solely for use on the OWNER's PROJECT. Such information, documents, and electronic media, computer source code shall be kept confidential by the ENGINEER, shall only be released as necessary to meet official regulatory requirements in connection with the PROJECT, and shall not be used by the ENGINEER on any other PROJECT or in connection with any other person or entity, unless disclosure or use thereof in connection with any matter other than services rendered to the OWNER hereunder is specifically authorized in writing by the OWNER in advance. This Section 11.6 shall survive the expiration of this Agreement.

11.7 SUBCONTRACT REQUIREMENTS

The ENGINEER shall include the terms and conditions of this Agreement in every subcontract or agreement with a consultant for this PROJECT so that these terms and conditions shall be binding upon each subcontractor or consultant. The subcontractor(s)/consultant(s) will maintain all licenses and certifications to practice its profession or trade by all public entities having jurisdiction over the PROJECT. The subcontractor (s)/consultant(s) further represent to the OWNER that the subcontractor(s)/consultant(s) will maintain all necessary licenses, certifications, permits or other authorizations necessary for the PROJECT until the remaining duties hereunder have been satisfied.

11.8 NOTICES

Unless otherwise provided, all notices shall be in writing and considered duly given if the original is hand delivered; if delivered by facsimile to 256-427-5325, or is sent by U.S. Mail, postage prepaid to City of Huntsville Engineering, P. O. Box 308 (35804), 320 Fountain Circle (35801), Huntsville, AL. All notices shall be given to the addresses set forth above. Notices, hand delivered or delivered by facsimile, shall be deemed given the next business day following the date of delivery. Notices given by U.S. Mail shall be deemed given as of the second business day following the date of posting.

11.9 STRICT COMPLIANCE

No failure of the OWNER to insist upon strict compliance by the ENGINEER with any provision of this Contract for Professional Services shall operate to release, waive, discharge, modify, change or affect any of the ENGINEER's obligations.

11.10 WAIVER

No provision of this Agreement may be waived except by written agreement of the parties. A waiver of any provision on one occasion shall not be deemed a waiver of that provision on any subsequent occasion, unless specifically stated in writing. A waiver of any provision shall not affect or alter the remaining provisions of this Agreement.

11.11 SEVERABILITY

If any provision of this Agreement, or the application thereof, is determined to be invalid or unenforceable, the remainder of that provision and all other provisions of this Agreement shall remain valid and enforceable.

11.12 ETHICS

The ENGINEER shall not offer or accept any bribes or kickbacks from or to any manufacturer, consultant, trade contractor, subcontractor, supplier or any other individual or entity in connection with the PROJECT. The ENGINEER shall not confer on any governmental, public or quasi-public official having any authority or influence over the PROJECT any payment, loan, subscription, advance, deposit of money, services or anything of more than nominal value, present or promised. The ENGINEER shall not, without the express written permission of the OWNER, engage or recommend to the OWNER engagement of any consultant, trade contractor,

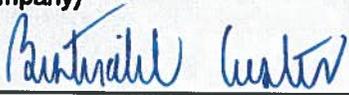
subcontractor, or supplier to provide services on behalf of the ENGINEER, OWNER or PROJECT in which the ENGINEER has a direct or indirect proprietary or other pecuniary interest; or call for the use of or by exclusion require or recommend the use of products, materials, equipment, systems, processes or procedures in which the ENGINEER or in which any consultant, trade contractor, subcontractor, or supplier of the ENGINEER has a direct or indirect proprietary or other pecuniary interest. Without prior notification and written approval of the OWNER, the ENGINEER and the ENGINEER'S subconsultants shall not offer services to the OWNER'S contractor.

11.13 E-VERIFY – NOTICE

The ENGINEER shall enroll, and shall remain enrolled for the duration of this contract, in a designated employment eligibility verification system (E-Verify) in accordance with the City of Huntsville Ordinance 09-735. If the ENGINEER uses subcontractors in connection with the performance of work herein and the value of the subcontract exceeds \$3,000, the subcontractor shall also comply with this ordinance. The ENGINEER shall include specific written notice in all requests for bids or proposals prepared by the ENGINEER that contractors and any subcontractors are required to enroll in the E-verify program as required by the ordinance. Failure to comply with the requirements of the ordinance shall be a material breach of the contract.

As a condition of this agreement, pursuant to 8 U.S.C. §1324a, AMEC Environment & Infrastructure, Inc. hereby certifies that it has not knowingly employed, recruited, referred for a fee, or contracted with an unauthorized alien, with respect to employment in the United States. Further, AMEC Environment & Infrastructure, Inc. hereby certifies that it has enrolled in the City of Huntsville designated employment eligibility verification system in accordance with Ordinance 09-735 and will maintain enrollment throughout the term of this contract.

AMEC Environment & Infrastructure, Inc.
(Company)

BY: 
(Authorized Representative)

11.14 ENTIRE AGREEMENT

This Agreement represents the entire agreement between the OWNER and the ENGINEER and supersedes all prior communications, negotiations, representations or agreements, either written or oral. This agreement may be amended only by written instrument signed by both OWNER and ENGINEER.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the day and year first above written.

**OWNER:
CITY OF HUNTSVILLE**

**ENGINEER:
AMEC ENVIRONMENT & INFRASTRUCTURE,
INC.**

BY: _____
Tommy Battle

BY: Bertisabel Custer
Bertisabel Custer

TITLE: Mayor

TITLE: Environmental Branch Manager

ATTEST: _____

ATTEST: Janice W. Frierson

Given under my hand this _____ day

Given under my hand this 17 day

Of _____, 2013.

Of January, 2013.

Notary Public

Janice W. Frierson
Notary Public

My commission expires _____

My commission expires 3/3/2015



My Commission Expires MAR. 3, 2015

ATTACHMENT 1
SCOPE OF SERVICES

(Refer to letter dated January 18, 2013, from Brad Glisson to Kathy Martin and attachments).



January 18, 2013

Ms. Kathy Martin, PE
Director of Engineering
City of Huntsville
Huntsville, Alabama

**RE: Confirming Proposal for Environmental Services
Western Area Growth Corridor
County Line Road
Huntsville, Alabama
AMEC Proposal No. 7650-13-004 REV5**

Dear Ms. Martin:

Pursuant your request, AMEC Environment & Infrastructure, Inc. (AMEC) is pleased to provide this proposal to perform environmental services including a Phase I Environmental Site Assessment (ESA), a wetland delineation, a threatened/endangered species survey, and a cultural resources and archaeological resources overview of the Western Area Growth Corridor property in Huntsville, Alabama. Based on the provided information, the property consists of approximately 325 acres developed with a residence, a barn, and farmland (Site). This proposal summarizes the project information, proposed scope of work, compensation, schedule, assumptions, limitations, report reliance, and contractual conditions.

PROJECT INFORMATION

The Site consists of approximately 325 acres of land improved with a single-family residence, a barn, and farmland in Huntsville, Alabama. It is our understanding that the environmental services were requested as part of a due diligence process prior to sale of the property.

SCOPE OF WORK

Task 1: Phase I ESA

The scope of work will include performing a Phase I ESA on the Site. The purpose of a Phase I ESA is to evaluate the presence or potential presence of recognized environmental conditions (RECs) on the Site as a result of present or past activities on the Site or in the vicinity of the Site. The Phase I ESA will be completed according to the United States Environmental Protection Agency's (EPA) All Appropriate Inquiry (AAI) Rule and the ASTM Standard Practice E 1527-05. The following scope of work has been prepared so that the completed Phase I ESA meets the requirements of the EPA AAI Rule and ASTM E1527-05.

- **Review of available historical documentation:** A review of historical documentation will be performed for the Site and surrounding areas to evaluate for potential RECs. The review may include aerial photographs, tax assessment records, historical maps, city directories, recorded land deeds, and previous environmental reports prepared for the Site (as made

AMEC Environment & Infrastructure, Inc.
3800 Ezell Road, Suite 100
Nashville, Tennessee
USA 37211
Tel +1 (615) 333-0630
Fax +1 (615) 781-0655

www.amec.com

Proposal for Phase I Environmental Site Assessment
 Western Area Growth Corridor, Huntsville, Alabama
 AMEC Proposal No. 7650-13-004 REV5
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available by The Client). AMEC intends to review property uses back to 1940 as is reasonably ascertainable. AMEC requests that the Client provide any commonly held information or knowledge about the Site with regard to the history of the Site and surrounding properties.

- **Interviews:** AMEC will attempt to interview individuals that are likely to have material information regarding the potential for contamination at the Site by scheduling at least one interview with a staff member of the agencies listed in Section 11.5 of ASTM E 1527-05. ASTM E1527-05 now requires that the User (Client in this case) provide contact information for such individuals. AMEC requests that the Client provide contact information for key Site managers and other individuals, as available, including past and present owners and operators who are likely to have material information regarding the potential for contamination at the Site.
- **Reconnaissance of the Site and Vicinity Surrounding the Site:** A physical reconnaissance of the Site and observation of surrounding properties for unusual land colorations, physical irregularities, noticeable refuse piles, evidence of aboveground and underground fuel storage tanks, and an evaluation of current land use on the Site and in the immediate vicinity of the Site will be performed.
- **Review of federal, state, tribal, and local environmental records:** AMEC will subcontract with a database search company to review federal, state, tribal, and local environmental records in accordance with the AAI Rule and ASTM E 1527-05.
- **AMEC is relying on the Client to review land title records for environmental liens and activity and use limitations.**
- **User Provided Information:** As part of completing the Phase I ESA according to the EPA's AAI Rule and ASTM E 1527-05, The Client will need to provide the following information to AMEC for the Site (through the User Provided Information Questionnaire, attached):
 - **Identification of environmental liens associated with the Site.** Environmental liens may be identified through a chain of title review or may be provided through a property appraisal. AMEC can provide this service to the Client for an additional fee. Otherwise, this information may already be available through the existing property broker or manager.
 - **Consideration of purchase price vs. fair market value of the Site.** The User must consider the purchase price compared with the fair market value of the Site, if the Site was not affected by contamination.
 - **Consideration of specialized knowledge.** Specialized knowledge that the Client may have regarding the Site or operations at the Site must be considered by the User. This would include inherent information that the Client might have because of similar projects it owns or operates or because of the type of work performed at the Site for which The Client may be familiar.
 - **Consideration of commonly known information about the Site.** Commonly known information about the Site must be considered by both the Client and AMEC. Commonly known information could be identified through interviews, website information, newspaper articles, and other information commonly and publicly known about the Site.

Proposal for Phase I Environmental Site Assessment
 Western Area Growth Corridor, Huntsville, Alabama
 AMEC Proposal No. 7650-13-004 REV5
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- **Consideration of the degree of obviousness of contamination.** *Both the Client and AMEC must consider all of the information obtained during the Phase I ESA and form an opinion regarding the degree of obviousness of contamination at the Site.*
- **Review of published literature on the soils, geology, and hydrogeology in the vicinity of the Site.**
- **Preparation of a Phase I ESA narrative report:** A report will be prepared for the Site. The report will include vicinity and site-specific maps, discussion, findings, opinion, and conclusions. The report will also include a statement on the qualifications of the individuals at AMEC who performed the Phase I ESA as Environmental Professionals. The report will include a statement that AAI was performed in general conformance with the standards and practices set forth in 40 CFR Part 312.

The scope of work of task 1 Phase I ESA does not include non-scope items such as the collection and testing of soil and/or groundwater samples, surface and drinking water samples, air samples (including radon), building material samples (including PCBs, lead-paint, and asbestos) for hazardous materials, the identification of wetlands, endangered or protected plant and animal species, historical or archeological sites, geotechnical studies, geologic hazards, potential noise or air quality impacts, and Americans with Disabilities Act (ADA) concerns. Therefore, the Phase I ESA report should not be used for any other purposes outside the scope provided herein. Some of the non-scope items have been requested and will be addressed in the tasks presented below. The soil and groundwater sampling will be performed by a third party and is not part of this proposal.

Task 2: Wetlands Delineation and Threatened/Endangered Species Survey

The scope of work associated with the wetlands delineation and threatened/endangered species survey will include the following tasks:

- **Literature Review:** AMEC will review appropriate historical data, including state and federal websites, soil survey maps, USFWS Wetland Inventory maps, USGS Topographic maps, and state and federal protected species listings prior to visiting the site.
- **Site Visit:** AMEC will conduct the necessary field studies to determine the potential presence of jurisdictional wetland and streams within the property using the Routine On-Site Determination Method, as defined in the U.S. Army Corps of Engineers (USACE) Wetlands Delineation Manual. We will prepare the appropriate wetland data sheets documenting our field work. In addition, AMEC scientists will evaluate the site for the presence of potential protected species and/or the presence of suitable habitat for potential protected species.
- **Summary Report:** AMEC will prepare a summary report that documents the findings of our field work, including figures, photographs, and data sheets. This information will be useful for determining the need for state and federal agency involvement should stream or wetland impacts are required; and in the event protected species consultation is

Proposal for Phase I Environmental Site Assessment
Western Area Growth Corridor, Huntsville, Alabama
AMEC Proposal No. 7650-13-004 REV5
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needed. Due to the time constraints, this scope does not include submitting a jurisdictional verification request to USACE.

Task 3: Cultural Resources Overview

AMEC proposes to conduct a cultural resources overview to identify potential cultural resource concerns within the study area proposed for development.

- Conduct archival research on the National Register of Historic Places (NRHP) and the Alabama Historical Commission Register of Landmarks & Heritage listings to identify known historic sites within or near the project area.
- Review historic maps and other relevant archival documents.
- Prepare an overview letter that documents the findings. This information will be useful in determining the need for cultural resource consultation should a federal permit (e.g., Section 404 permit) or federal funding occur as part of the project.

Task 4: Archaeological Resources Overview

AMEC proposes to conduct an archaeological overview to identify potential archaeological concerns.

- Conduct a review of the Alabama State Archaeological Site Files (ASASF) at the Office of State Archaeological Research to identify prior archaeological investigations and previously reported sites within or near the project area.
- Review historic maps.
- Prepare an overview letter that documents the findings. This information will be useful in determining the need for consultation concerning potential archaeological resources should federal permits or federal funding occur as part of the project.

COMPENSATION

AMEC proposes to conduct the scope of work on a task lump sum basis as described below for delivery by January 18, 2013, which is an expedited schedule. The scope of services is limited to the specific items addressed herein. Any additional work will be considered an extra service.

The following AMEC personnel are proposed for this project although other staff may be utilized as needed:

Custer, Bertisabel.....Peer Reviewer.....Professional Level 20
 Marchaterre, Martin.....Peer Reviewer.....Professional Level 20

Proposal for Phase I Environmental Site Assessment
 Western Area Growth Corridor, Huntsville, Alabama
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Rudzinski, Stan.....Peer Reviewer.....Professional Level 18
 Glisson, Bradley.....Project Manager.....Professional Level 12
 Burgess, Charles.....Project Scientist.....Professional Level 12
 Stallings, Richard.....Senior Archaeologist...Professional Level 12
 Little, Brandy.....GIS.....Professional Level 10
 Glover, Forest.....Project Scientist.....Professional Level 9
 Hunter, John.....Senior Archaeologist...Professional Level 8
 Kincaid, Amanda.....Architectural Historian..Professional Level 5
 Frierson, Janice.....Administrative.....Administrative Level 9

A fee of \$16,000 is proposed for the services presented herein. This fee includes travel and other expenses of \$2,655 and labor effort of \$13,345.

Item	Peer Reviewer	Proj Mgr/ Scientist/ Arch	GIS	Proj Sci	Sr Arch	Arch Hist	Admin	Labor Hours	Labor Fee	Expense Fee	Total Fee
	\$170	\$110	\$100	\$95	\$90	\$75	\$65				
Task 1	2	32	4	0	0	0	2	40	\$4,390	\$810	\$5,000
Task 2	2	18	0	40	0	0	2	62	\$6,250	\$1,750	\$8,000
Task 3	1	0	0	0	4	10	1	16	\$1,345	\$155	\$1,500
Task 4	1	0	0	0	10	3	1	15	\$1,360	\$140	\$1,500
Total	6	50	4	40	14	13	6	133	\$13,345	\$2,655	\$16,000

SCHEDULE

The site visit will be dependent on the Client requirements and are outlined in the above proposal section. Please let us know if this schedule meets your needs.

No work will be performed outside this scope of work without your verbal or written authorization. If special circumstances or delays (not attributed to AMEC or its subcontractors) are encountered, you will be notified immediately; any perceived change orders will be communicated to you as quickly as possible.

ASSUMPTIONS

- AMEC assumes that the Client will provide a map of the area to evaluate and obtain/authorize property access.
- The Site reconnaissance and local records review will be completed within one visit (one day) at the Site.
- There are no additional third party lender requirements.

Proposal for Phase I Environmental Site Assessment
Western Area Growth Corridor, Huntsville, Alabama
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- Client will provide the requested information (indicated as italicized font in this proposal) within one week of the project authorization. Please complete the questionnaire provided with this proposal to meet this request.
- The project will be completed by AMEC's office located in Nashville, Tennessee.

LIMITATIONS

The Phase I ESA report should not be used for any other purposes outside the scope provided herein. A Phase I ESA does not guarantee an environmentally "clean" site, but rather gives a preliminary indication whether further environmental work may be needed by utilizing available data on the area. If further work is recommended, a Phase II ESA will be proposed under separate contract.

Additionally, it should be noted that completion of an ASTM E1527-05 standard Phase I ESA does not provide full Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) liability protection. Under the AAI Rule, the entity seeking one of the CERCLA liability protections also must meet continuing obligations as defined in the 2002 Brownfields Amendments.

REPORT RELIANCE

The reports will be prepared on behalf of and for the exclusive use of our client, the City of Huntsville. Only the City may rely on the contents of the report. A request of AMEC to grant third party reliance on the reports will only be made upon written permission of the City, the proposed relying party's written acceptance of AMEC's Terms and Conditions through AMEC's standard reliance letter, and AMEC's receipt from the proposed relying party AMEC's then-current fee for such reliance letters. AMEC's standard reliance letter indicates that in no event shall AMEC be liable for any damages however arising, relating to third party reliance on AMEC's report. No reliance from AMEC by any third party is permitted without such agreement. Nothing herein restricts, limits, overrides or modifies the City's ownership of AMEC work product as specified in the Environmental Site Assessment Services Contract between AMEC and the City.

AUTHORIZATION

The scope of services will be performed on a time and materials not-to-exceed basis in accordance with the mutually agreed terms and conditions between AMEC and the City of Huntsville established in the Environmental Site Assessment Services Contract dated January 24, 2013. If we anticipate that our cost estimate will exceed our proposed fee, AMEC will notify you prior to performing the additional work.

If this proposal is acceptable, please sign the attached Services Agreement and return a copy to us. For your convenience, please send the attached questionnaire with the signed agreement. To expedite the project, you may fax the documents to us at (615) 781-0655, followed by mailing us the original signed authorization. Please note the attached Terms and Conditions are an integral part of this proposal.

Proposal for Phase I Environmental Site Assessment
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We appreciate the opportunity to work with you on this project. Please feel free to contact the undersigned at (615) 333-0630 if you have any questions.

Sincerely,

AMEC Environment & Infrastructure, Inc.

A handwritten signature in blue ink that reads "Bradley K. Glisson".

Brad Glisson, CHMM
Senior Project Scientist

A handwritten signature in blue ink that reads "Bertisabel M. Custer".

Bertisabel M. Custer, CHMM
Environmental Branch Manager

Attachments: Services Agreement
User-Provided Information Questionnaire

ATTACHMENT 2 - ALABAMA IMMIGRATION ACT - REPORT OF OWNERSHIP FORM

CITY OF HUNTSVILLE, ALABAMA REPORT OF OWNERSHIP FORM

A. General Information. Please provide the following information:

- Legal name(s) (include "doing business as", if applicable): AMEC Environmental & Infrastructure Inc
- City of Huntsville current taxpayer identification number (if available): 11575
(Please note that if this number has been assigned by the City and if you are renewing your business license, the number should be listed on the renewal form.)

B. Type of Ownership. Please complete the unshaded portions of the following chart by checking the appropriate box below and entering the appropriate Entity I.D. Number, if applicable (for an explanation of what an entity number is, please see paragraph C below):

Type of Ownership (Check appropriate box)	Entity I.D. Number (If applicable)
<input type="checkbox"/> Individual or Sole Proprietorship	
<input type="checkbox"/> General Partnership	
<input type="checkbox"/> Limited Partnership (LP)	Number & State:
<input type="checkbox"/> Limited Liability Partnership (LLP)	Number & State:
<input type="checkbox"/> Limited Liability Company (LLC) (Single Member)	Number & State:
<input type="checkbox"/> LLC (Multi-Member)	Number & State:
<input checked="" type="checkbox"/> Corporation	Number & State: <u>917-644 Alabama</u>
<input type="checkbox"/> Other, please explain:	Number & State (if a filing entity under state law):

C. Entity I.D. Numbers. If an Entity I.D. Number is required and if the business entity is registered in this state, the number is available through the website of Alabama's Secretary of State at www.sos.state.al.us, under "Government Records". If a foreign entity is not registered in this state please provide the Entity I.D. number (or other similar number by whatever named called) assigned by the state of formation along with the name of the state.

D. Formation Documents. Please note that, with regard to entities, the entity's formation documents, including articles or certificates of incorporation, organization, or other applicable formation documents, as recorded in the probate records of the applicable county and state of formation, www.sos.state.al.us; (1) specifically requested by the City, or (2) an Entity I.D. Number is required and one has not been assigned or provided.

Please date and sign this form in the space provided below and either write legibly or type your name under your signature. If you are signing on behalf of an entity please insert your title as well.

Signature: [Signature] Title (if applicable): BRANCH MANAGER
 Type or legibly write name: ANDY CLEVENGER Date: 2/17/2012

ATTACHMENT 3
CITY OF HUNTSVILLE STANDARDS AND DESIGN GUIDES

1. **City of Huntsville Standard Specifications for Construction of Public Improvements, Contract Projects, 1991.**
2. **City of Huntsville Engineering Standards, 1991.**
3. **City of Huntsville Design and Acceptance Manual for Force Mains and Pump Stations, 2011.**
4. **City of Huntsville Design and Acceptance Manual for Sanitary Sewers, 2011.**
5. **Alabama Department of Transportation Standard Specifications for Highway Construction, Current Edition.**
6. **City of Huntsville Subdivision Regulations, 1991.**

ATTACHMENT 4
DESIGN REVIEWS

N/A

ATTACHMENT 5 - ENGINEERS PERSONNEL FEE SCHEDULE



Table 1. - Schedule of Fees.

These rates will remain in effect through the duration of the contract.

AMEC ENVIRONMENT & INFRASTRUCTURE INC. 2012 RATE SCHEDULE					
The hourly labor rates set forth below are valid from January 1, 2012 and are subject to an annual revision thereafter. AMEC will provide CLIENT thirty days advance written notice of any such revisions.					
PROFESSIONAL SERVICES					
CLIENT agrees to reimburse AMEC for all hours worked by professionals at the following classifications and associated hourly labor rates. For expert witness testimony and related services in connection with litigation, CLIENT agrees to reimburse AMEC for all hours worked by professionals at the following classifications, but at one and one half times the associated hourly labor rates.					
<u>CLASSIFICATION</u>	<u>RATE/HOUR</u>		<u>CLASSIFICATION</u>	<u>RATE/HOUR</u>	
Professional Level 1	\$65.00		Professional Level 14	\$120.00	
Professional Level 2	\$60.00		Professional Level 15	\$130.00	
Professional Level 3	\$65.00		Professional Level 16	\$140.00	
Professional Level 4	\$70.00		Professional Level 17	\$145.00	
Professional Level 5	\$75.00		Professional Level 18	\$155.00	
Professional Level 6	\$80.00		Professional Level 19	\$165.00	
Professional Level 7	\$85.00		Professional Level 20	\$170.00	
Professional Level 8	\$90.00		Professional Level 21	\$180.00	
Professional Level 9	\$95.00		Professional Level 22	\$190.00	
Professional Level 10	\$100.00		Professional Level 23	\$200.00	
Professional Level 11	\$105.00		Professional Level 24	\$210.00	
Professional Level 12	\$110.00		Professional Level 25	\$220.00	
Professional Level 13	\$115.00		Professional Level 26	\$240.00	
TECHNICIAN SERVICES					
CLIENT agrees to reimburse AMEC for all hours worked by technicians at the following classifications and associated hourly labor rates.					
<u>CLASSIFICATION</u>	<u>RATE/HOUR</u>	<u>OVERTIME</u>	<u>CLASSIFICATION</u>	<u>RATE/HOUR</u>	<u>OVERTIME</u>
Technician Level 1	\$30.00	\$40.50	Technician Level 10	\$65.00	\$82.50
Technician Level 2	\$32.50	\$45.00	Technician Level 11	\$60.00	\$80.00
Technician Level 3	\$35.00	\$46.75	Technician Level 12	\$65.00	\$87.50
Technician Level 4	\$37.50	\$52.50	Technician Level 13	\$70.00	\$105.00
Technician Level 5	\$40.00	\$56.25	Technician Level 14	\$75.00	\$112.50
Technician Level 6	\$42.50	\$60.00	Technician Level 15	\$80.00	\$120.00
Technician Level 7	\$45.00	\$63.75	Technician Level 16	\$85.00	\$127.50
Technician Level 8	\$47.50	\$67.50	Technician Level 17	\$90.00	\$135.00
Technician Level 9	\$50.00	\$71.25	Technician Level 18	\$95.00	\$142.50
ADMINISTRATIVE SERVICES					
CLIENT agrees to reimburse AMEC for all hours worked by administrative staff at the following classifications and associated hourly labor rates.					
<u>CLASSIFICATION</u>	<u>RATE/HOUR</u>	<u>OVERTIME</u>	<u>CLASSIFICATION</u>	<u>RATE/HOUR</u>	<u>OVERTIME</u>
Administrative Level 1	\$35.00	\$62.50	Administrative Level 6	\$60.00	\$90.00
Administrative Level 2	\$40.00	\$60.00	Administrative Level 7	\$65.00	\$97.50
Administrative Level 3	\$45.00	\$67.50	Administrative Level 8	\$70.00	\$105.00
Administrative Level 4	\$50.00	\$75.00	Administrative Level 9	\$75.00	\$112.50
Administrative Level 5	\$55.00	\$82.50	Administrative Level 10	\$80.00	\$120.00
MISCELLANEOUS EXPENSES—6% of Labor Charges—					
CLIENT agrees to reimburse AMEC for miscellaneous expenses incurred, such as consumable supplies, telephone & facsimile charges, photo processing, and small tools, etc., not otherwise included as other direct expenses, at the rate of 6% of labor charges.					
OTHER DIRECT EXPENSES					
CLIENT agrees to reimburse AMEC for all other direct expenses incurred at the following rates, except as otherwise specified by AMEC in its proposal:					
Travel Expenses: Transportation (mileage, air travel, car rental, etc.), lodging, meals, & incidental expenses	Cost plus 15% 15% 5% <i>WBH</i>				
Subcontract Expenses: Supplies or services furnished to AMEC in support of project activities by any supplier or firm, except temporary agency or consultant staff charged at above hourly rates	Cost plus 15% 15% 5% <i>WBH</i>				
Direct Expenses: Other expenses in support of project activities	Cost Plus 15% 15% 5% <i>WBH</i>				

ATTACHMENT 7 - SUB CONSULTANTS ENGAGED BY THE ENGINEER
(Article 9.2)

CONSULTANT NAME AND ADDRESS	DESCRIPTION OF SERVICES	FEE
	N/A	
	SUB-TOTAL	
	5% Administrative Fee	
	TOTAL	

ATTACHMENT 8 - CONTRACT DOCUMENT REQUIREMENTS LIST

REQUIREMENT	SUBMIT TO	SUBMITTAL REQUIREMENT DATE	NUMBER OF COPIES	REFERENCE SECTION OF CONTRACT AND COMMENTS
Deviations from OWNER's standards.	OWNER	Prior to incorporating deviations.	2	Article 2.5
Products or materials specified by the ENGINEER that are available from only one source.	OWNER	Prior to 100% submittal.	2	Article 2.2
Approval of contractor's Request for Payment.	OWNER	Within ten (10) days of receipt of the request from the contractor.	N/A	Article 3.4
Approval of contractor submittals	OWNER	So as to cause no delay to the contractor or the PROJECT.	N/A	Article 3.8
Change order changes that reduce construction requirements.	OWNER	Prior to authorizing a change.	N/A	Article 3.11
Any information pertaining to any claim.	OWNER	Immediately	2	Article 3.12
Information pertinent to the PROJECT, all criteria and full information as to OWNER's requirements, copies of all design and construction standards.	ENGINEER	So as to not delay the services of the ENGINEER.	2	Article 5.1, 5.2
Notification of delays.	ENGINEER; OWNER	Promptly	4	Article 6.1
ENGINEER's monthly invoices.	OWNER	Monthly	4	Article 8.1.1
Consultant progress report.	OWNER	Monthly	4	Article 8.1.1
Records, data, parameters, design calculations and other information.	OWNER	Cancellation of contract.	2	Article 9.7
Documentation, records of reimbursable expenses, record copies of all written communications, and any memoranda of verbal communications related to the PROJECT.	OWNER	Upon notice from the OWNER.	2	Article 9.4
Termination notification.	OWNER or ENGINEER	7 days prior to termination.	2	Article 9.10 & 9.11
Certificate of Insurance for ENGINEER.	OWNER	At 0% design conference	1	Article 10.2(B), 10.6, and attachment 4.

Insurance cancellation, suspension, or reduction in coverage or limits.	OWNER	30 days prior to effective date except for cancellation which is 10 days notification.	1	Article 10.4(A)
Certificate of insurance for sub consultants/subcontractors.	OWNER	At 0% design conference.	1	Article 10.7
A schedule in Microsoft Projects format showing the critical path.	Project Engineer	Within 7 calendar days of Pre-design conference, 30% complete design review. 60% design review. Attachment 4	1 hard; 1 digital	Attachment 4
Drawings.	Project Engineer	30% complete design review, 60% design review, 90% review, and 100% complete.	3	Attachment 4
Cost estimate.	Project Engineer	30% complete design review, 60% review, 90% review, and 100% complete.	3	Attachment 4
Hydraulic reports.	Project Engineer	60% design review.	N/A	Attachment 4
Preliminary plans for utilities.	Project Engineer	60% design review.	N/A	Attachment 4
Legal descriptions for takings.	Project Engineer	60% design review, 90% review, 100% complete.	N/A	Attachment 4
Traffic Control plan.	Project Engineer	60% design review.	N/A	Attachment 4
Results of geotechnical investigations.	Project Engineer	30% design review.	2	Attachment 4
Technical specifications.	Project Engineer	90% review, 100% complete.	N/A	Attachment 4
Relocation of Utilities	Project Engineer	0% review-list of all utilities that need to be contacted 60% review – from all affected parties 90% review – Signed Acceptance Utility Project Notification Form	2	Attachment 4, 10
Design Calculations	Project Engineer	90% review, 100% complete	1	Attachment 4
Digital copy of drawings.	Project Engineer	100% complete.	1	Attachment 4
Digital text files.	Project Engineer	100% complete.	1	Attachment 4
Bid Quantities.	Project Engineer	100% complete.	N/A	Attachment 4
Permits and Permit Applications	Project Engineer	100% complete.	1	Attachment 4
Field notes.	Project Engineer	100% complete.	1	Attachment 4
Digital aerial photography.	Project Engineer	100% complete.	1	Attachment 4
Progress Report (Art. 8)	Project Engineer	30% complete design review, 60% design review, 90% design review, 100% completion stage.	4 hard; 1 digital monthly	Attachment 6

ATTACHMENT 9 - REQUIREMENTS FOR DOCUMENT SUBMITTALS

All drawings shall be sized 24" x 36", unless otherwise approved by the OWNERS Project Engineer.

Title blocks shall as a minimum, contain the name of the project, date, city project number, and ENGINEER's name. The title block of drawings shall contain a space for the names of the preparer and the reviewer and/or checker. These blocks shall be signed on each submittal (See Attachment "11" for sample standard drawing format). Drawings shall contain alphanumeric revision designations. Drawings issued for review shall be issued with alpha revision designation and the revision letter shall be changed for each submittal containing drawing changes. Drawings issued for construction shall be issued with numeric designation at revision level "0" and described as "Issued for Construction" in the revision description block. Subsequent drawing changes require the revision level to be raised using successively higher numbers and the changes to be marked by circling and briefly described in a revision block.

Unless otherwise specified by the Owners Project Engineer, all drawings for review submittals shall be full or half-size copies. All documents shall be clearly marked in a revision block indicating the applicable submittal milestone, i.e. 30%, 60%, 90%, etc.

Submittals required by the State of Alabama for their review, bidding, etc., shall be of the size, form and numbers of copies as the state may require even though such submittals may differ from the submittals set forth as being required elsewhere in this Agreement.

All drawings shall be prepared in Micro station .DGN format, unless otherwise approved by the OWNERS Project Engineer. Transmittal letters shall consist of a list of files being submitted, a description of the data in each file, and a level/layer schematic of each design file. DGN design files shall have working units as follows: master units in feet, no sub-units, and 1,000 positional units. All data submitted shall use NAD 1983 Alabama East Zone horizontal datum and NAVD 88 vertical datum coordinates.

Digital files shall be submitted by 4-3/4" CD ROM, DVD, 3 and 1/2 inch floppy disk, or to the City of Huntsville F.T.P. site.

All print copies shall be first generation copies.

All text documents shall be prepared in Microsoft Word 2007 format.

All spreadsheets shall be in Microsoft Excel 2007 format.

A schedule showing the critical paths shall be in Microsoft Projects format, unless otherwise approved by the OWNERS Project Engineer.

Aerial photography files shall be in Intergraph (.COT) or (.tiff) format.

All mapping shall meet National Map Accuracy Standards unless otherwise noted. If National Map Accuracy Standards are not met, the accuracy of the map shall be identified to the Owners Project Engineer and on the maps derived from the aerial survey. National Map Accuracy Standards are shown below. This and other map standards are shown in Department of the Army, US Army Corps of Engineers standard, "EM 1110-1-1000, Engineering and Design - Photogrammetric Mapping".
<http://140.194.76.129/publications/eng-manuals/em1110-1-1000/toc.htm>

ATTACHMENT 10 – UTILITY PROJECT NOTIFICATION FORM

NAME: _____
(Company Name)

PROJECT NAME: _____ **PROJECT NUMBER:** _____

CONSULTING ENGINEER: _____
(Name)

ENGINEERING REPRESENTATIVE _____ **PHONE:** _____

I have reviewed design drawings or other information as available, and:

DO _____

DO NOT _____

have facilities that will require relocation. If relocation is required, a construction duration of _____ calendar days from the Notice to Proceed, is anticipated to be required for relocation.

LIST NAME(S) OF OTHER UTILITY(S) that share poles or facilities that have to be relocated prior to YOU starting your work:

NAME OF UTILITY: _____

NAME OF UTILITY: _____

NAME OF UTILITY: _____

OTHER: _____

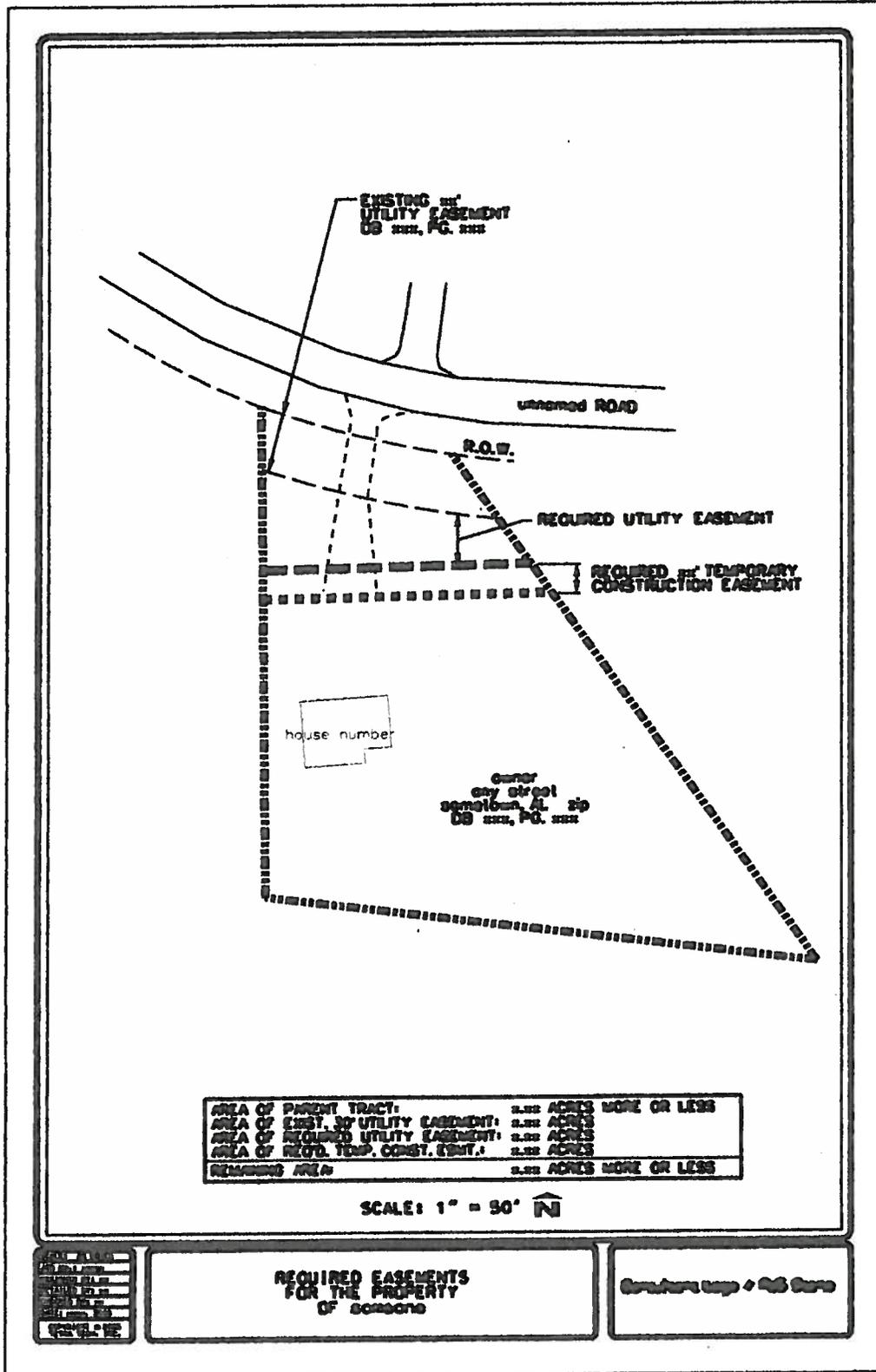
COMMENTS: _____

BY: _____
AUTHORIZED REPRESENTATIVE

FIELD CONTACT PERSON: _____ **PHONE:** _____
OFFICE CONTACT PERSON: _____ **PHONE:** _____

DATE: _____

**ATTACHMENT 12
SAMPLE**



ATTACHMENT 13

United States National Map Accuracy Standards

With a view to the utmost economy and expedition in producing maps which fulfill not only the broad needs for standard or principal maps, but also the reasonable particular needs of individual agencies, standards of accuracy for published maps are defined as follows:

- 1. Horizontal accuracy.** *For maps on publication scales larger than 1:20,000, not more than 10 percent of the points tested shall be in error by more than 1/30 inch, measured on the publication scale; for maps on publication scales of 1:20,000 or smaller, 1/50 inch. These limits of accuracy shall apply in all cases to positions of well-defined points only. Well-defined points are those that are easily visible or recoverable on the ground, such as the following: monuments or markers, such as bench marks, property boundary monuments; intersections of roads, railroads, etc.; corners of large buildings or structures (or center points of small buildings); etc. In general what is well defined will be determined by what is plottable on the scale of the map within 1/100 inch. Thus while the intersection of two road or property lines meeting at right angles would come within a sensible interpretation, identification of the intersection of such lines meeting at an acute angle would obviously not be practicable within 1/100 inch. Similarly, features not identifiable upon the ground within close limits are not to be considered as test points within the limits quoted, even though their positions may be scaled closely upon the map. In this class would come timber lines, soil boundaries, etc.*
- 2. Vertical accuracy,** *as applied to contour maps on all publication scales, shall be such that not more than 10 percent of the elevations tested shall be in error more than one-half the contour interval. In checking elevations taken from the map, the apparent vertical error may be decreased by assuming a horizontal displacement within the permissible horizontal error for a map of that scale.*
- 3. The accuracy of any map may be tested** *by comparing the positions of points whose locations or elevations are shown upon it with corresponding positions as determined by surveys of a higher accuracy. Tests shall be made by the producing agency, which shall also determine which of its maps are to be tested, and the extent of the testing.*
- 4. Published maps meeting these accuracy requirements** *shall note this fact on their legends, as follows: "This map complies with National Map accuracy Standards."*
- 5. Published maps whose errors exceed those aforesaid** *shall omit from their legends all mention of standard accuracy.*
- 6. When a published map is a considerable enlargement** *of a map drawing (manuscript) or of a published map, that fact shall be stated in the legend. For example, "This map is an enlargement of a 1:20,000-scale map drawing," or "This map is an enlargement of a 1:24,000-scale published map."*
- 7. To facilitate ready interchange and use of basic information for map construction among all Federal mapmaking agencies,** *manuscript maps and published maps, wherever economically feasible and consistent with the uses to which the map is to be put, shall conform to latitude and longitude boundaries, being 15 minutes of latitude and longitude, or 7.5 minutes, or 3-3/4 minutes in size.*

U.S. BUREAU OF THE BUDGET

ATTACHMENT 14

ENGINEERING DEPARTMENT - REAL ESTATE DIVISION PLAN REQUIREMENTS

DRAWINGS:

Individual Parcels

- Each individual parcel 8 ½" x 14" (dgn or dxf format)
- Show Calculations
 - Before
 - After
 - Taking
- *All Parcels shall be closed shapes (polygons).*
- Show Existing and Proposed Right-of-Way on each individual parcel map.
- Property Ownership

Overall Project Land Acquisition Maps

- Total project drawing in dgn or dxf format
- Indicate the following:
 - Stationing on Centerline
 - Existing Right-of-Way
 - Proposed Right-of-Way
 - Existing Easements
 - Proposed Easements
 - Existing Pavement
 - Proposed Pavement/Sidewalks/Structures
 - Existing Structures
 - Property Ownership

Color Standards			<i>(SAMPLE)</i>
<u>Description</u>	<u>Color</u>	<u>Line Style</u>	<u>Type</u>
Existing ROW	Red	Medium Dashed	
Proposed ROW	Red	Solid	Closed Polygon
Existing Easements	Orange	Medium Dashed	
Proposed Easements	Orange	Solid	Closed Polygon
TCE	Pink	Solid	Closed Polygon

DESCRIPTIONS:

- Microsoft Word on 3.5" Diskette or CD
- Each Description shall be complete and independent (separate file).
- Hard Copies signed and stamped by PLS.

GENERAL:

- P.K. Nails or other permanent stationing markings shall be required.
- Re-staking of right-of-way or easements may be required (See Article 4).
- All survey plats to be on Alabama State Plane Datum. Strip Maps shall indicate at least 2 monuments in place with Alabama State Plane Coordinate values shown on each.
- Parcel plats and legal descriptions shall indicate the Alabama State Plane Coordinate NAD83 Alabama East Zone Value of the point of beginning.

ATTACHMENT 15 - GIS BASE MAP

DESIGN LEVEL	CONTENTS	LINE CODE	COLOR	WEIGHT	TEXT SIZE	FONT	CELL NAME
1	State Plane Coordinate Grid	0	0	0	20	0	
2	Benchmarks	0	0	0			
3	Private Street Text	0	105	0	20	0	
3	Street Text	0	3	0	20 (or 18)	0	
4	Street R/W	7	0	0			
5	Street Centerline	7	0	0			
6	Street Pavement	0	3	0			
6	Proposed Street Pavement	3	16	0			
6	Private Streets	0	105	0			
6	Proposed Private Road	3	105	0			
7	Parking Lots	1	3	1			
7	Private Lots used as Roads	1	105	1			
8	Secondary Roads--Private	2	105	0			
8	Secondary Roads	2	3	0			
8	Trails	3	3	0			
9	Secondary Roads/Trails Text	0	3	0	20	0	
10	Sidewalks	5	3	0			
11	Bridges/Culverts/Paved Ditches	0	0	0			
12	Hydrology - Major	6	1	0			
12	Hydrology - Minor, Ditches	7	1	0			
13	Hydrology - Text	0	1	0	25	23	
14	Tailings & Quarries, Athletic Fields/Text, misc. areas	0	1	0			
15	Greenways	3	48	0			
16	Speed Tables	0	3	0			TCALM
17	Railroad Tracks (Patterned)	0	2	0			RR
18	Railroad Text	0	2	0	25	0	
19	Railroad R/W	2	2	0			
20	Utility Poles (Cell)	0	5	0			P POLE
21	Utility Easements	3	5	0			
22	Utility Text	0	5	1			
23	Geographic Names	0	3	1			
24	Building Structures	0	0	0			
24	Pools and Text	0	1	0	10	1	
24	Future Site of Structures	2	0	0			STRUCT
24	Existing Structures (exact location and shape unknown)	2	0	0			STRCEX
25	Property Lines/ refuge bdy.	6	6	1	30	1	
26	Cadastral Polygons	6	6	0			
27	Ownership Text	0	6	1			
28	Cemeteries/Text	4	6	0	10	1	
29	Lot Numbers				25	0	
30	Block Numbers				30	0	
31	Addition Names	0	0	0	35	0	
32	Open						
33	Lot Ticks						
34	Lot Lines/Property Lines	6	6	0			
35	Trees/Hedge Rows	0	6	0	AS=1		TREES
36	GPS Monuments	0	5	0	18	23	CONTRL
37	2' Topo Contour						
38	5' Topo Contour	0	7	0			
39	25' Major Topo Contour	0	7	0			
40	X Spot Elevation	0	7	0			
41	FEMA Monuments/Labels	0	3/0	0	18	1	FEMA
42	Quarter Sections						
43	Section Lines	0	5	0			

44	Features	0	2	0			
44	Cell Towers	0	12	0	AS=1		CELTWR
45	Fences (Pattern)	0	8	0	AS=1		FENCE
46	Format/Legend	0	0	0			Limleg Madleg
47	Mass Points	0	7	2			
48	Break Lines	0	7	2			
49	Open						
50	Billboards	0	37	1			BBOARD
51	Sanitary Sewer	0		3			
52	Sanitary Sewer Text						
53	Storm Water Features	0		3			
54	Storm Water Text						
55	Open						
56	Property Address	0	1	0			
57	Text Tag for Buildings	0	1	0	10-20	1	
58	One Way Arrows	1	3	1			
59	Open						
60	Open						
61	Open						
62	Monuments for Setup (point cell)						
63	Open						