

ADDENDUM #1 TO STATEMENT OF WORK

1. General Information

a. Project Title:

- i. Repair Storm Water Sewer System – LAAF Drainage Basin, Phase I

b. Project Information:

- i. Schedule

Contract Period	365
Contractor's Project Walk	TBD
Proposal Due	TBD
Contract Start/Award Date	TBD
Construction Start Date	TBD
Construction Completion Date	TBD

- ii. Liquidate Damages

- 1. N/A

c. Document Level:

- i. Documents are approximately 35% Design Drawings.

d. Bid Documents:

- i. Statement of Work
- ii. Storm Water Sewer System Studies
- iii. FB-144R (record of Environmental Consideration)
- iv. Specifications (Guide Specifications and List)

e. Options / Alternates

- i. N/A

f. Bidding Questions

- i. All questions should be submitted in written form either by hand delivered hard copies, facsimile (fax) or electronic mail (e-mail). The Contracting Officer (KO / COR) shall determine the final date for submission of questions.

2. General Requirements

a. Project Description:

i. General Information

1. The Design, Work/Construction contract requirements are described herein this Statement of Work (SOW) and on the study reports, specifications (as provided, or per the guide specification), and FB-144R prepared by The Directorate of Public Works (DPW) which is conveyed as a 35% design.
2. In addition to the SOW, Study Reports, Specifications, FB-144R, the contractor will use when asked to provide 100% designs the resources located on the Whole Building Design Guide website and the Fort Benning – Installation Design Guide dated August 2010. Available from DPW upon request.
3. The SOW, study reports, and specifications may not identify all procedures (means and methods) or requirements necessary to accomplish the work. The contractor is expected to follow industry standards or manufactures instructions/recommendations.
4. The contractor will provide all required supervision, labor, materials, and equipment to complete the work.
5. The superintendent will be an individual with a minimum 5 years of experience with jobs of similar type and size. Provide resume of job site supervisors and key personnel. The superintendent will be on the job site when work is being performed and will be available to the Government representatives.

ii. General Description

1. This project, identified as “Repair Storm Water System – LAAF Drainage Basin, Phase I” is for work to repair the storm water system south of Jecelin Road running underneath Lawson Army Airfield to the Chattahoochee River. The “Phase I” repairs to the storm water system in the Lawson Army Airfield (LAAF) Drainage Basin is outlined in the attached study reports.

2. For background, the entire basin services the areas south of the Fort Benning Airborne Towers and moves underneath MCOE Headquarters, 75th Ranger Regiment area of operation, Task Force 1-28 Infantry area of operation, Lawson Army Airfield, and finally to the Chattahoochee River. This system is well over 70 years old with the first components being installed in 1942, and is in desperate need of repairs to extend its functional life for at least another 50 years. Studies completed by Columbus Water Works and Barge Design Solutions concluded that nearly 40% of pipes and structures were in immediate need of repair or replacement to maintain hydraulic capacity and efficiency.
3. This phase of the project repairs the failed and failing components of the storm water system south of Jecelin Road running underneath Lawson Army Airfield to the Chattahoochee River. A survey to confirm the results and recommendations of the attached studies will be required before any designs can be approved for this project. Designers will be required to confirm and include the recommendations outlined in the study, or provide designs of their own that meet or exceed the study's recommendations and Installation requirements. For hydraulic capacity analysis and modeling, the contractor shall use a 25 year, 24-hour return period storm event as the basis for design. Recommended repairs include, but are not limited to, repair by replacement of cracked or broken pipe segments, reseal pipe joints, upsizing of pipes failing to meet hydraulic capacity, headwall repairs, steel and concrete grate repairs, sediment and debris removal, and detention pond remediation. Repairs include all materials required to achieve recommended hydraulic and classification improvements to include, but not limited to, construction and repair materials, equipment, and personnel.

b. General Execution Requirements:

- i. The Work will be performed in accordance with the approved A/E firm's drawings and specifications, approved construction submittals, and based on the Directorate of Public Works (DPW) drawings, specification, study reports, and SOW.
- ii. All work will be performed per industry standards or to meet federal, state, or local codes and regulation. Work will not be sloppy or carelessly performed.
- iii. At no time will the labor, materials, or means/methods of construction impede the Lawson Army Airfield's ability to accomplish their required missions and support tasks as they relate to the various runway's uses and functions.

c. Design and Engineering:

- i. General
 1. Fort Benning's Directorate of Public Works (DPW) Engineering Division will provide the Contractor a set of the study reports, specifications, and a SOW. The provided study reports, specifications, and statement of work only convey the Government's concept / intent of the project. It is the Contractor and Architectural and Engineering (A/E) firm responsibility to

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provide items listed in section ii, subsection 1, 100% submittal. *The term A/E encompasses the services of design disciplines in the field of architecture, mechanical, electrical, plumbing, civil, and structural engineering.* Once the 100% submittal has been approved by the Government, work may begin. If the contractor is provided written approval prior to the start of the work, the contractor may not be required to provide a 100% submittal. The items listed below will be used as a guide for the Contractor and A/E in items that may be needed in the 100% submittal.

a. DRAWINGS

- i. The A/E firm will update, provide additional information, and add drawings as required to take the 35% drawings provided by the Government to a 100% set of drawings. *The "For Construction" 100% set of drawings shall be stamped and signed by the A/E on each drawing sheet.* Below is a list of drawings that may need to be provided to accomplish a 100% drawing set:

1. All disciplines: completed plans (site), elevations (grade and inverts), sections (site, profiles), enlarged plans, ESPCP, details (project specific and standard), and schedules.*

*The items listed above may not address every drawing requirement for a project and is not intended to limit the number of drawings to be provided. Additionally the items listed above may not be required for every project. Contractor's submittals / shop drawings are not considered part of the 100% drawing set.

b. SPECIFICATIONS

- i. The Contractor and A/E will provide any missing specifications for the project. Also the Contractor and A/E will update any specification that requires to be changed due to drawings or other specifications provided by the A/E.

c. CALCULATIONS / PRODUCT INFORMATION

- i. The Contractor and A/E will provide all calculation and product information for the project when not provided in the Government provide information. Calculations and product information may be required for the following, but this list will not limit the requirements to: Civil, Structural, Architectural, Mechanical, and Electrical. Calculations and product information will be provided in an organized, logical, and understandable manner.

d. CD

- i. The contractor and A/E firm will provide a CD with PDFs of the 100%; drawings, specifications, calculations and product information. Also on the CD the contractor will provide CAD files of the 100% drawings.

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2. Upon completion of the work the contractor will provide As-Builts and Record Documents consisting of items listed under section ii, subsection 2, Record Document Submittal. The Record Document Submittal will reflect the final design of the facility at the completion of the work.*

- a. AS-BUILTS

- i. Contractor will provide the government approved hard copy of the 100% drawings keep at the site. The hard copy from the site (As-Built) will show any changes or modifications made during construction. Changes or modifications will be marked in red on the hard copy.

- b. DRAWINGS

- i. The Contractor and A/E firm will provide PDFs, hard copies, and CAD files of Record Documents drawings reflecting changes or modifications noted on the As-Builts. Any changes or modification will be clouded on the Record Documents drawings.

- c. SPECIFICATIONS

- i. The contractor and A/E firm will provide updated specifications addressing any changes or modifications made during construction.

- d. CD

- i. The contractor and A/E firm will provide a CD with PDFs of the Record Documents; drawings and specifications, and the As-Builts from the job site. Also on the CD the contractor and A/E firm will provide CAD files of the Record Document drawings.

*The contractor will provide complete sets of drawings, specifications, and As-Builts, not just drawing sheets or specifications sections that have changed.

- ii. Design and Engineering Submittal Requirements

1. 65%, 95% and 100% Submittal

Deliverables	To - DPW
Drawings (a.)	1 Full Size set and CAD Files
Specifications	1 Set
Calculation / Product Information	1

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CD with all 100% submittal Documentation*	1
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*CD will include PDFs of all files (Drawings and Specifications) and CAD files of the Drawings
(a.) Submittals provided via email will be acceptable IF the size of file(s) are not extremely large.
15MB or higher may not transfer.

2. Record Document Submittal

Deliverables	To - DPW
As-Built (Red Lined set from construction site)	1 set
Drawings (adjusted per As-Built)	1 Full Size and CAD Files
Specifications	1 Set
CD with all Record Document submittal Documentation*	1

*CD will include PDFs of all files (Drawings, Specifications, and As-Built) and CAD files of the Drawings

- iii. The contractor will make sure all submittals are reviewed by the designer of record (DOR) prior to government acceptance via transmittal. Any submittal transmitted to the government without a DOR review and stamp/signature will be rejected/dis-approved.
- iv. The contractor will email or hand deliver all submittals to the contracting officer (MICC) designated for the project. DPW will accept any submittals unless filtered through MICC first.
- v. The contractor will submit a Construction Schedule that includes major benchmarks and milestones to provide knowledge of the project and objectives to be completed within the construction time scheduled. The Construction Schedule will be submitted to the Government within 5 (five) days of the notice to proceed for review. The contractor will provide an update schedule if the original schedule is impacted for any reason or if requested by the Government.
- vi. At the pre-construction meeting the contractor will arrange to have a representative of the A/E firm to be present. At the meeting the A/E representative will satisfy themselves with the requirements of the Design and Engineering submittals and the expectations of the Government.

d. Codes and Standards:

- i. All work shall be In Accordance With (IAW) all applicable Federal, State, and Local codes and standards including but not limited to:
 - 1. International Building Code (IBC)

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2. Drainage Design for Highways, GDOT, Revision 3.0 – Dated 28 Dec 2016
3. Manual of Uniform Traffic control Devices (MUTCD)
4. Fort Benning Installation Design Guide – Dated August 2010
5. UFC 1-200-01, General Building Requirements, Change 2 (1 Nov 2018)
6. UFC 1-300-08, Criteria for Transfer and Acceptance of Military Real Property
7. TM 111 Guidance provided in Fort Benning Environmental Considerations as listed on the projects FB-144R.

e. Specifications:

- i. When written specifications are not furnished by the Government the contractor's A/E firm will provide missing specifications. Standards of work will be in accordance with industry standards and Fort Benning guide specs as issued by the Savannah District Corps of Engineer.
- ii. Contractor or A/E will deliver any specifications not provided in the bid document specifications. The A/E specifications will be combined with the bid specifications and submitted as one specifications book for the 100% submittal and Record Document submittal.

f. Preparation:

- i. Contractor will be responsible for field/site visit to obtain and verify measurements, existing site conditions, dimensions and structural support requirements IAW accepted local, state and federal building practices. All drawings provided to the contractor are for reference/information only and may or may not be current or to scale. Contractor shall provide for any/all deviations to accepted local, state and federal building practices/codes and bring these to the attention of the Construction Inspector and Contracting Officers Representative for review/consideration by the government. Review the project's FB-144R; Record of Environmental Consideration for compliance prior to initiating any work.
- ii. The Contractor will test for lead and asbestos to determine the abatement requirements. The Contractor shall abate any lead/asbestos encountered during demolition.
- iii. Contractor shall provide temporary toilets for contractors' use.
- iv. Site Office and Storage: The contractor shall provide a separate site office and storage facilities. Areas of the building that are in phase of construction may be used as storage; however it is the contractor's responsibility to support the project and protect his materials when space is not available. The contractor shall be responsible for repairs required due to damage or negligent by the

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contractor or his subcontractors or suppliers. Provide signage to identify the project and the contractor with a 24 hour point of contact phone number.

g. Cost and Pricing:

- i. Within 48 hours of the bid/proposal date and time the contractor will provide to the Architect/Engineer an itemized list of material and labor cost for review prior to award of the contract.

h. Coordination with other contractors:

- i. If other contracts and work are subject to be performed or arise to address any issues, at the same time as this contract the contractor will cooperate and coordinate work with all parties involved and is now notified of same.
- ii. NEC (communications): Installation of communications cabling and equipment in the buildings (N.I.C.).
- iii. Utilities: Liberty Energy (Gas), Flint Electric (Electric), Columbus Water Works (Water and Sewer), and their subcontractors.

i. Facility Occupancy:

- i. Adjacent buildings to construction site will be occupied during construction
 1. When the contractor is required to perform work that will affect normal operations of adjacent buildings, training fields, traffic, etc. they will submit for approval a request to the government 14 days prior to the start of the work.

j. Selective Demolition:

- i. Storm Sewer System
 1. Adhere to all codes for removal or remediation of any and all hazardous materials and building materials and waste i.e. insects, light fixture lamps and ballast, batteries and lead base paint and asbestos.
 2. Demolition procedures: During the course of the demolition work the Contractor shall continuously evaluate the condition of the elements of the structure being demolished and take immediate action to protect all personnel working in and around the demolition site. No area, section, or structural component or other element will be allowed to be left standing without sufficient bracing, shoring, or lateral support to prevent collapse or failure while workmen remove debris or perform other work in the immediate area. The Contractor shall ensure that no elements determined to be unstable are left unsupported and shall be responsible for placing and securing bracing, shoring, or lateral supports as may

be required as a result of any cutting, removal, or demolition work performed under this contract.

3. Demolition Preparation: Before beginning any demolition work, the Contractor shall survey the site and examine the drawings and specifications to determine the extent of the work. The Contractor shall take necessary precautions to avoid damage to existing items to remain in place, to be reused, or to remain the property of the Government; any damaged items shall be repaired or replaced as approved by the Contracting Officer. The Contractor shall coordinate the work of this section with all other work and shall construct and maintain shoring, bracing, and supports as required. The Contractor shall ensure that structural elements are not overloaded and shall be responsible for increasing structural supports or adding new supports as may be required as a result of any cutting, removal, or demolition work performed under this contract.
4. The contractor shall review the 144R provided by the Government and adhere to the conditions provided there.

ii. Site

1. Structure and Site Protection: Protect all structural elements and materials to remain.
2. The Contractor shall provide adequate protection for site paving, concrete walks, curbs, trees, grass, shrubs and all other landscaping during set-up, construction, and clean up. If any damage occurs the contractor is responsible for repair and modifications to repair the damage.

k. Disposal of Construction Waste:

- i. The Contractor will be responsible for removing and disposal of all debris and hazardous waste created by this project, IAW local, state and federal guidelines and laws. The contractor shall dispose of all debris and hazardous waste created by this project in Georgia/Alabama approved Landfill at the contractor's expense. Contractor shall maintain and provide upon request by the KO or the designated representative receipts and haul tickets or bills of lading that construction debris from this contract has been disposed of IAW with local, state and federal guidelines and laws.

l. Safety:

i. General

1. The contractor will comply with all governing codes and standards. Contractor will comply with Fort Benning Safety and Environmental laws and regulations. The contractor shall perform all work IAW government procedures for entering and working at Fort Benning. The government reserves the right to stop work at any time for safety, security reasons, and for national defense at no cost to the government.

ii. Public

1. The Contractor shall conduct his operations to offer the least possible obstruction and inconvenience to the public, vehicular, and the normal day-to-day routine of the Government installation where work is to be performed. Unless safety otherwise prevents such actions, personnel and traffic shall be permitted to pass through the work area with as little delay as possible. Where the nature of construction operations in progress and the equipment and machinery in use are of such character as to endanger passing traffic, the Contractor shall provide such lights and signs, erect such fences or barriers, and station such guards as may be necessary to give adequate warning and to avoid damage or injury to passing traffic. Signs, flags, lights, and other warning and safety devices shall conform to applicable laws, safety regulations and requirements. All lane closures shall be coordinated in advance with the COR/Inspector, traffic engineer and the DES. All traffic control procedures shall be in accordance with GA and/or FL DOT regulations.

iii. Employee

1. In order to provide safety controls for protection to the life and health of employees, and other persons; for prevention of damage to property, materials, supplies, and equipment; and for avoidance of work interruptions in the performance of this contract, the Contractor shall comply with all pertinent provisions of the U.S. Army Corps of Engineers Safety and Health Requirements Manual EM 385-1-1, as amended. The Contractor will also take or cause to be taken such additional measures as the KO may determine to be reasonably necessary for the purpose.

m. Accessibility to Work Site:

- i. Normal Working hours for the Contractor will be 0800 to 1630, Monday through Friday, excluding Saturdays, Sundays, and Federal Holidays. If the Contractor wishes to work during periods other than above, additional Government inspection forces will be required. The Contractor must notify the Contracting Officer (KO) five (5) working days in advance of his/her intention to work during other periods to allow assignment of additional inspection forces when the Contracting Officer determines that the additional inspection force is reasonably available. All inspections will be done during normal duty hours. Due to certain circumstances (i.e., emergencies or urgent requirements), deviation of contractor's working hours will be as indicated in the RTOR.

n. Signage

i. General

1. If a contractor decides to erect project signage on the job site, they will follow the prescribed design.

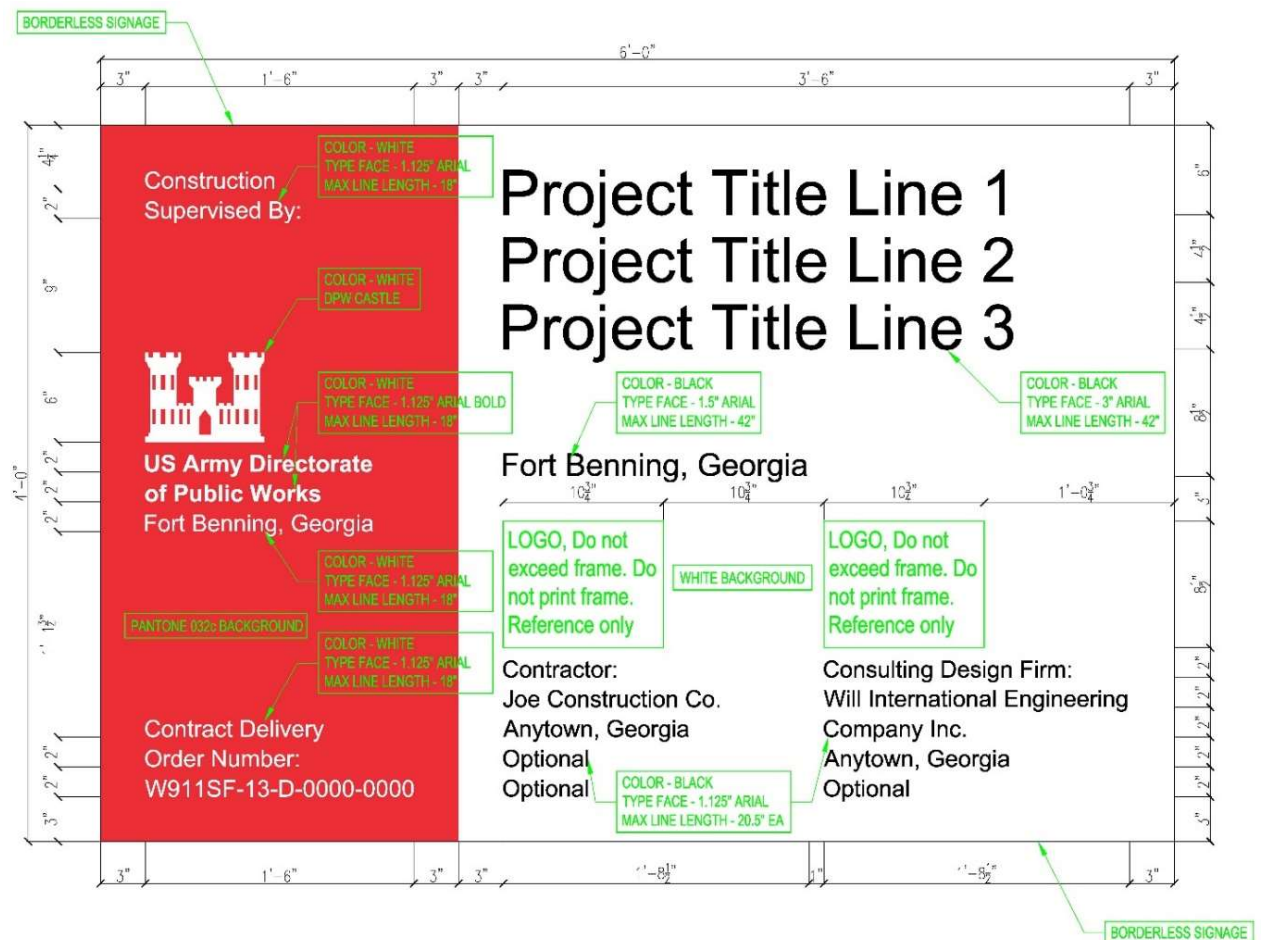
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2. Special applications or situations not covered in this section of the SOW should be referred to DPW for consideration.

ii. Project Identification Sign

1. This sign is to be displayed at construction sites. It is an important part of efforts to keep the public informed of DPW work. For this purpose, a construction project sign package has been adopted.
2. Below is a sample of the Construction Project Identification sign. The graphic format for this 4'x 6' sign panel follows the legend guidelines and layout as specified below. The large 4'x 4' section of the panel on the right is to be white with black lettering. Company logos will be located in the area designated for logos and will be in color. The 2'x 4' section of the sign on the left is to be Communication Red with white lettering and graphics.



iii. Mounting Guidelines

1. The sign panels are to be fabricated from .75" High Density Overlay Plywood.
2. Sign graphics to be prepared on a white non-reflective vinyl film with repositionable adhesive backing. All graphics except for the Communication Red background are to be die-cut or computer-cut non-reflective vinyl, pre-spaced legends prepared in the sizes and typefaces specified and applied to the background panel following the graphic formats shown.
3. Drill and insert six (6) .375" T-nuts from the front face of the HDO sign panel. Position holes as shown. Flange of T-nut to be flush with sign face.
4. Apply graphic panel to prepared HDO plywood panel following manufacturers' instructions.
5. Sign uprights to be structural grade 4" x 4" treated Douglas Fir or Southern Yellow Pine, No.1 or better. Post to be 12' long. Drill six (6) .375" mounting holes in uprights to align with T-nuts in sign panel. Countersink (.5") back of hole to accept socket head cap screw (4" x .375").
6. Assemble sign panel and uprights. Imbed assembled sign panel and uprights in 4' hole. Local soil conditions and/or wind loading may require bolting additional 2" x 4" struts on inside face of uprights to reinforce installation.

o. Daily Housekeeping:

- i. The Contractor shall keep work area clean and remove all unneeded construction debris daily and/or as directed by the Construction Inspector, User, or Contracting Officer's Representative.

p. Required Submittals:

- i. The contractor will provide submittals according to the specifications or noted elsewhere in this Statement of Work.
- ii. The Contractor shall provide to the Government for review, comment and approval all submittals required herein prior to starting work, including design, engineering and construction documents as well as a timeline schedule for the work prior to beginning construction. Product submittals and shop drawings shall not be submitted until after the design submittals are reviewed and approved.
- iii. The Contractor's personnel will compile submittals based on the Specifications or other sections in this Statement of Work. Submittals will be complete before submitting to the Government for review. A complete submittal will consist of all items required for a submittal. Sending information incrementally for one submittal is unacceptable.
- iv. The contractor will make sure all submittals are reviewed by the designer of record (DOR) prior to government acceptance via transmittal. Any submittal transmitted to the government without a DOR review and stamp/signature will be rejected/dis-approved.

- v. The contractor will provide a submittal register to track and log all submittals between government (DPW) and contracting office (MICC). The contractor will be responsible for updating the submittal register on a regular basis and provide to government (DPW) when requested.
- vi. The contractor will email or hand deliver all submittals to the contracting officer (MICC) designated for the project. DPW will accept any submittals unless filtered through MICC first.
- vii. The contractor's personnel or A/E firm will indicate which product will be used when multiple products are listed on a submittal.
- viii. Failure to comply with sections "i" thru "v" may result in a disapproved submittal.

q. Special Instruction:

- i. Contractor will insure that all individuals associated with the work adhere to all safety regulations and codes. Construction debris waiting removal from the site will be stored per regulations and codes. Contractor will walk the site prior to leaving for the day to ensure all debris is picked up and disposed of properly.
- ii. The contractor will verify that all Federal, State, Local, and Fort Benning (144R) environmental regulations and code are being followed.
- iii. Omissions from the drawings or specifications or the wrong description of details of work that are manifestly necessary to carry out the intent of the drawings and specifications, or that are customarily performed, shall not relieve the Contractor from performing such omitted or incorrectly described details of the work. The Contractor shall perform such details as if fully and correctly set forth and described in the drawings and specifications.

r. National Historic Preservation Act of 1966:

- i. **TASK BACKGROUND:** Fort Benning is required by the National Historic Preservation Act of 1966, as amended, to appropriately conserve and manage historic properties located on its property. Fort Benning must also comply with the Native American Graves Protection and Repatriation Act (NAGPRA), which applies to Native American human remains, funerary objects, sacred objects, and objects of cultural patrimony excavated intentionally or discovered inadvertently on Federal or tribal lands. This project is in an area with high potential for the presence of archaeological sites as well as the presence of known burial sites in the immediate vicinity. Although ground disturbance during this project will be primarily, if not exclusively, in areas that were previously disturbed during the placement of the existing drainage system, there is potential for the presence of bone fragments and other disarticulated human remains not in situ within the disturbed soils.

ii. Task Requirements: The Contractor shall provide Archaeological Monitoring services during the excavation and replacement of the storm water pipe at Lawson Army Airfield. This effort will consist of observing excavation activities, reporting results, and halting work in areas as needed. The archaeologist shall be present on the project site until the project is completed. Fort Benning Directorate of Public Works (DPW) Cultural Resources Staff will conduct daily site visits of the project area to assess work progress and coordinate with the project contractor's archaeologist. Other task requirements include:

1. Monitoring, evaluation, recording, analysis, and reporting are to meet professional standards and be conducted by Secretary of Interior qualified archaeologists.
2. The field archaeologists shall have training in the identification of osteological remains, and the monitoring team shall include a professional osteoarcheologist/physical anthropologist.
3. A lead Tribe for this action will be designated by the federally recognized American Indian Tribes who are in consultation with Fort Benning.
4. The construction contractor will utilize a trench box, which is ten feet high and varies in width from between six and ten feet depending on the depth and diameter of the pipe.
5. Archaeological monitors will observe all ground disturbance including trench box excavations.
6. Archaeological monitors will have full authority to pause or stop work at any time.
7. To prevent sluffing the trench box will be removed slowly to allow the stone to fill the void space not allowing for any sluffing.
8. In the event that water is located with the pipes the contractor will use a pump that has a screen on the end of the intake hose and will dispense the water into a sediment bag for filtration. The sediment bag will retain all artifacts/remains that maybe sucked up. Archeological monitors will inspect the any materials collected.
9. The construction pace should not exceed the monitors' ability to inspect and assess the work being done.
10. The project contractor shall be responsible for the safety of all work conducted and will ensure that the work area is safe during any archaeological investigation. This includes providing appropriate shoring, access and egress routes, and any needed equipment. No one will be expected to enter the excavation until it has been deemed safe and it will be the

responsibility of the construction contractor to ensure that the archaeological monitors have the ability to enter the project area as needed.

11. The archaeologist shall advise all project contractors to be on the alert for evidence of the presence of the archaeological sites or human burials; how to identify the evidence of the expected resources; and of the appropriate protocol in the event of discovery of a burial or associated object.
12. Heavy machinery and vehicles shall not be used within the boundaries of identified archaeological sites when the ground is wet to avoid compression, rutting, and other damage to the archaeological site.
13. In accordance with NHPA, if archaeological materials are encountered in the previously disturbed portions of the pipeline corridor, work shall temporarily stop in the immediate area of the discovery while it is assessed to verify there are no further archaeological materials and that the discovery is not part of a larger intact feature.
14. If intact archaeological materials are encountered, all soil disturbing activities within 100 feet (30 meters) of the discovery shall cease, and the archaeologist shall be empowered to temporarily redirect excavation/construction crews and heavy equipment until the archaeological materials are evaluated and consultation with the Tribes and the Georgia State Historic Preservation Office is completed. The archaeologist shall immediately notify Fort Benning DPW Cultural Resources Staff of the encountered archaeological materials. The archaeologist shall make a reasonable effort to assess the identity, integrity, and significance of the encountered archaeological materials and present the findings of this assessment to DPW.
15. If the remains of Native American burials or associated objects are discovered in the previously excavated pipeline corridor, work shall cease within 100 feet (30 meters) of the discovery. The Fort Benning Cultural Resources Manager will immediately notify the Tribes. Work will resume once the immediate area has been assessed and no other burials or associated objects are identified.
16. If Native American human burials or associated objects are discovered in previously undisturbed areas within the project area, work shall cease within 100 feet (30 meters) of the discovery. The Fort Benning Cultural Resources Manager will immediately notify the Tribes. Work will resume after 30 days and a plan has been agreed upon by the Tribes and Fort Benning to exhumate the remains if avoidance is not possible.

17. The Tribes will be notified within 24 hours of any intact archaeological features identified during excavation. Tribes will also be notified within 24 hours by phone and email of any discoveries that are made involving human remains and associated funerary objects.
18. In situ archaeological items found will be left in place and Tribes will be notified. Construction at that specific location will stop. Partially disturbed items will be left in place, and consultation with the associated Tribes will begin so decisions can be made on next steps.
19. Orange safety fencing will be placed around any area with in situ cultural materials to protect them while any consultations with Georgia SHPO and Tribes are ongoing. Work will not resume at specific locations until a plan is agreed upon and/or consultation is complete.
20. Site monitors will confirm all human remains and associated cultural materials, including the soil matrix surrounding the burial, have been recovered prior to work starting again.
21. Any artifacts recovered during the monitoring effort shall be cleaned and recorded for curation in accordance with 36 CFR 79.
22. Only a representative sample of artifacts will be collected to include all diagnostic artifacts. Artifacts will be bagged and the provenience documented, including GPS locations. An example database will be provided by Fort Benning to the Cultural Resources Management firm for documentation and importing into Fort Benning's existing database. Upon completion of the project artifacts will be returned to Fort Benning Cultural Resources for storage in their curation facility.
23. Native American Graves Protections and Repatriation Act (NAGPRA) items found (individual or multiples together) will be treated as individual finds. Professional identification to establish the historic nature of the burial and associated objects will be conducted. Burials and associated objects will be cleaned by hand only to the degree necessary to identify cultural affiliation and minimum identification of the human remains. Gloves will be worn by those handling any of the burials and associated objects. No washing of the burial or associated objects will take place.
24. Each find will be documented, wrapped in muslin, and placed in its own storage box. Smaller boxes will be marked accordingly and will be housed in a larger banker's box. Soil removed from the burial fill will be collected and placed in acid free boxes for use in the burial during reinterment. These items will be transferred to Fort Benning Cultural Resources staff members daily. All NAGPRA items will be reinterred in accordance with the Fort Benning Comprehensive Agreement with the Tribes.

25. No analysis or destructive testing will take place on any human remains or associated funerary objects. No photos will be taken of remains or associated funerary objects. No human remains or associated funerary objects will be taken off Fort Benning.
26. The project contractor's archaeologist must retain all diagnostic artifacts and a representative sample of non-diagnostic items recovered from disturbed contexts.
27. Artifacts shall be provided to Fort Benning with the final report submission.
28. A location or locations shall be identified to be used for depositing excess soil removed during work.
29. A location or locations will have silt fence installed in a manner too keep sediment from leaving the site.
30. A location or locations will be inspected daily as soil is deposited and after any rain events. Any human remains will be documented and collected for reinterment.
31. When the contractor spreads the excess soil, the contractor will grass the area one acre at a time. The acre will be sized such that the grassing truck will not have to ride on the soil but can ride next to it while stabilizing the excess soils. Grassing will be done by hydroseeding. In the event that some of the areas do not take and need to be resprayed for stabilization the contractor will have the archaeologist determine the best path to access the locations.
32. Using an agricultural tractor to spread any excess soil at Location #1 is the preferred method. However, in some cases, depending on soil conditions, a motor grader would need to be used.
33. Daily monitoring reports will be completed by each archaeological monitor on site. The report will give a description of the work being conducted that day, include site photos, photos of any cultural material found (excluding human remains), etc. Reports will be sent to the Tribes on a weekly basis.
34. The archaeological monitor(s) will be on site during the entire project and have full access to the project areas as needed to include monitoring surface disturbance from construction equipment.

35. No unapproved personnel or outside agencies will be allowed on site during the entirety of the project without approval of the Tribes. The Tribes are allowed to visit the project at any time.
36. There will be no pictures taken and no posts made to social media concerning any of the work or the cultural material found during the project.
37. The results of the archaeological investigations shall be summarized in an executive summary provided electronically. The summary is not to exceed ten pages and should be accompanied by a field map of the area and the location of the archaeological features. All resources shall be mapped using a GPS with sub-meter accuracy. If applicable, the executive summary shall also include recommendations to avoid or minimize impact to the potential site. The executive summary shall be submitted no later than 10 business days after the completion of the fieldwork.
38. The contractor shall prepare two (2) copies of the draft report that is at 99% to be reviewed by the government. Once the Draft report has been reviewed by the government, the contractor shall be notified of any recommended changes in a timely manner by Fort Benning DPW Cultural Resources staff. Production of the final draft report should be within thirty (30) business days of receipt of the government comments. A short statement reflecting archeological site protection as provided by the Archeological Resource Protection Act of 1979 (ARPA) shall be prominently displayed on the front cover of all reports. The statement shall note that civil and criminal penalties may be assessed for disturbing archeological sites on federal property without a permit.
39. The contractor shall prepare three (3) hard copies and fifteen (15) CD copies of the final draft report that addresses government comments to be reviewed by the Tribes and the Georgia SHPO. The final draft report shall be completed in accordance with current State of Georgia archaeological survey requirements.
40. Once the final draft report has been reviewed by the Tribes and the Georgia SHPO, the contractor shall be notified of any recommended changes in a timely manner by Fort Benning DPW Cultural Resources staff. Production of three (3) hard copies and fifteen (15) CD copy final reports should be within thirty (30) business days of receipt of the government comments.

3. Construction Detailed Requirements

01 General Requirements

i. Summary of Work

1. Civil (see other sections for additional summaries)

- a. The contractor will have a Professional Engineer (PE) design, provide drawings, calculations, and specifications for all civil elements (concrete design, reinforcing, storm water structures, hydraulic design, etc) required to complete the work. All calculations, drawings and specification will be part of the 100% design submittal.
- b. Any mechanical, electrical and plumbing (MEP) or civil portions of the design drawings provided with the 35% drawing package are to be reference only and is the responsibility of the Contractor to pursue the resources to complete all calculations, drawings and specifications by a professional engineer (P.E.) for a 100% design submittal.

02 Existing Conditions

i. General

1. All Federal, State, Local, and Fort Benning codes and regulations will be adhered to during the performance of any portion of the work.
 - a. Contractor will provide all necessary professional services, all supervision, labor, equipment, tools, and furnish all materials, not provided by the Government, required to design and construct the repairs to storm water sewer system in the LAAF drainage basin.
 - b. Where conflict arises between specifications, design documents, codes and SOW (Statement of Work) the most stringent document requirement shall rule.
 - c. Contract modifications shall be determined by using R.S. Means Building Construction Cost Data for Columbus Georgia. This pricing will be as taken from the latest addition.
 - d. Contractor shall provide detailed records to the government inspector to verify all quantities of work; this shall include the following:
 - i. Contractor shall notify the inspector 48 hours prior to any work including set up and prep work.
 - ii. Daily work reports; of number workers and type of activity being performed, work hours and schedule.

- iii. Records of materials removed or installed; and to include quantities, haul route, trips and land fill location.
 - e. The contractor shall visit site and examine existing conditions before submitting his/her bid. The contractor shall not receive additional compensation for any work that can be inferred through observation of existing conditions.
2. Drawings are preliminary in nature and do not intend to give exact dimensions. All measurements shall be field determined by actual conditions.

03 Concrete

- i. General
 - 1. Repair any damage to existing concrete surfaces damaged during performance of the work. This includes, but not limited to, curb and gutter, sidewalks, or concrete pavement.
 - 2. Repair or replace any existing concrete headwalls as required by 100% design in performance of the work.
 - 3. Repair any broken, cracked, or damaged concrete flumes in performance of the work.

04 Masonry

- i. N/A

05 Metal

- i. N/A

06 Wood

- i. N/A

07 Thermal and Moisture Protection

- i. N/A

08 Openings

- i. N/A

09 Finishes

- i. N/A

10 Specialties

- i. N/A

11 Equipment

- 1. N/A

12 Furnishing

- i. N/A

13 Special Construction

- i. N/A

21 Fire Suppression

- i. N/A

22 Plumbing

- i. N/A

23 Mechanical

- i. N/A

26 Electrical

- i. N/A

31 Earth Work

- i. Trench areas as required in the 100% designs for removal and replacement of pipe segments or structures. Return all disturbed earth to existing grade in performance of the work. If additional fill material is needed, coordinate with DPW Engineering personnel for borrow pit access and use.
- ii. Repair or expansion of detention ponds as required by the 100% designs.

- iii. All earth work done in performance of the work is subject to Federal, State, and Local laws, regulations and policies. Refer to submittals discussed earlier in this SOW for documents required for approval before work can begin.

32 Exterior Improvements

- i. Repair sections of asphalt surfaces damaged or removed as required by 100% designs and replace to match existing surface for performance of the work.
- ii. Repair sections of heavy duty pavement damaged or removed as required by 100% designs and replace to match existing surface for performance of the work.
- iii. Clear and grub areas required by 100% design and cleared by Fort Benning Environmental for performance of the work.
- iv. Clear and remove any vegetative or sediment debris from storm water system pipes and structures as required by 100% designs to restore hydraulic efficiencies. Dispose of debris as noted earlier in this SOW.

33 Utilities

- i. Temporary utilities: Contractor shall provide for all temporary utilities and protections of the project; make modifications in order to be in accordance with (IAW) final SOW for a complete and usable facility.
- ii. Temporary Power: Two options; 1) The contractor shall contact Flint Electric and arrange for construction power to the project site or provide electrical power generator for construction. 2) On site power maybe used, however it shall be the contractor's responsibility to monitor all use of electrical power during the construction period to protect the Contractors' and Government employees and equipment.
- iii. All scheduling, submittals and installation of utilities connections involved with this project are to be coordinated with DPW, Utility Chief and all appropriate utility providers.
- iv. Incorporate utility design information into project plans and furnish documentation to DPW and utility providers.
- v. Repair/replace any site conditions disturbed within the limits of construction as practicable to pre-existing conditions.

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- vi. Repair sections of storm water system pipe and structures according to 100% designs to meet designated hydraulic capacities and efficiency. Repairs include, but not limited to:
 - 1. Repair by replacement of broken or crushed pipe segments
 - 2. Repair by replacement of undersized pipe segments
 - 3. Resealing of joints
 - 4. Repair cracked or broken manhole structures
 - 5. Repair cracked or broken headwall structures

41 Material Processing and Handling Equipment:

- i. N/A

-- End of SOW --