



United States Department of Agriculture
Agricultural Research Service

STATEMENT OF WORK

Demolish Greenhouse 9A

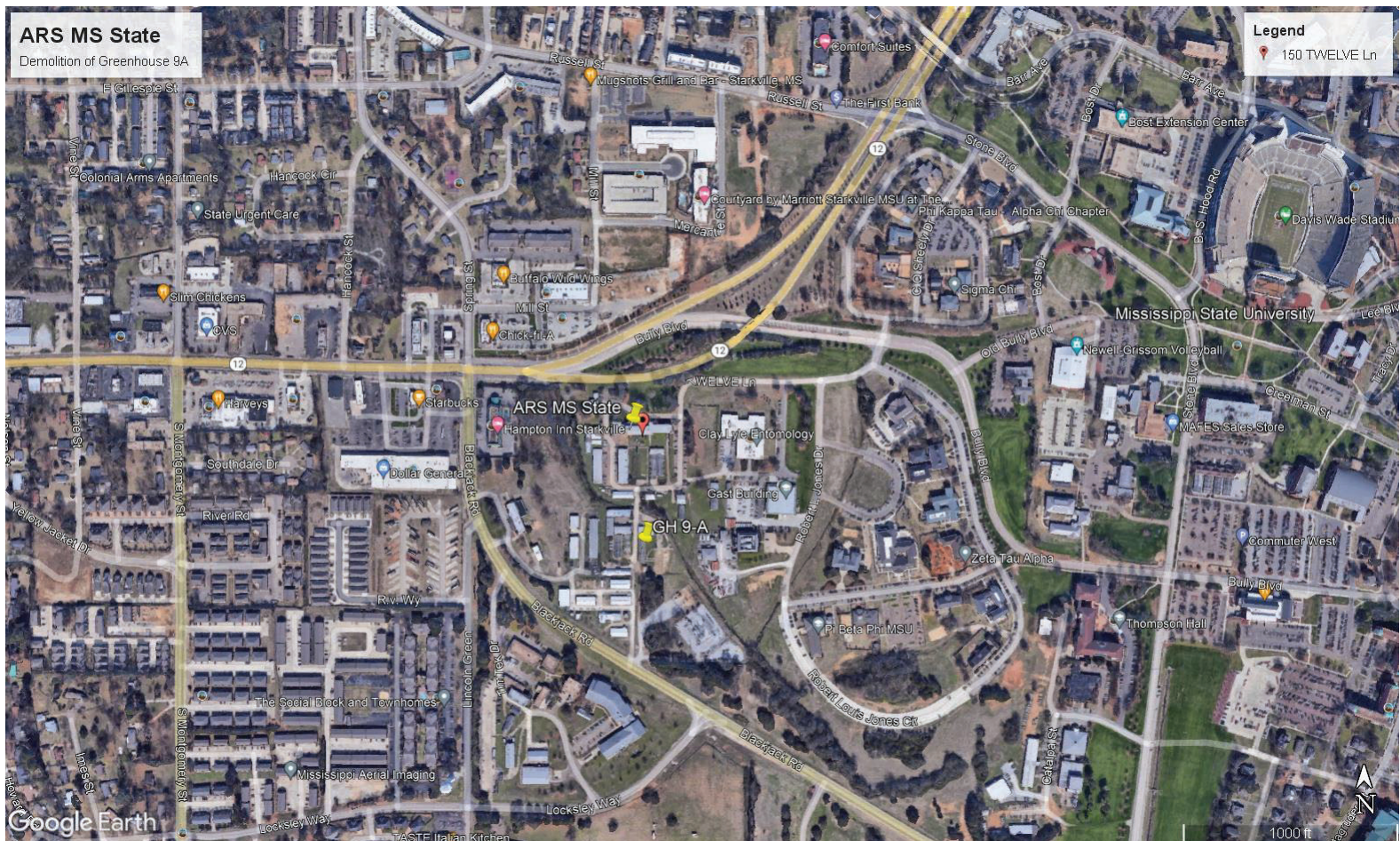
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**Crop Science Research Lab
P. O. Box 5367, 150 Twelve Lane
Mississippi State, MS 39762**

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1.0 PROJECT:

Project Title: "Demolish Greenhouse 9A" at the USDA, ARS, Crop Science Research Lab, Mississippi, MS.

2.0 PROJECT CONTACT PERSONS:

CONTRACTING OFFICER (CO):

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ENGINEER PROJECT MANAGER (EPM)

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3.0. SCOPE OF SERVICES:

The Contractor shall provide all professional services necessary for the accomplishment of the contract project and such required services shall be in accordance with requirements as described herein.

a. The Contractor shall provide services for the following tasks marked by an "X":

[X] Provide a technical and cost proposal to complete the project as per project requirements. Due to the age and type of construction, the Government assumes that asbestos containing material is present and will require abatement and proper disposal. The contractor should include all costs necessary for sampling and testing for asbestos so that proper methods can be used during demolition.

[X] Complete the project as per project requirements.

The scope includes the demolition and removal of a single greenhouse building including foundations and utilities in their entirety.:

4.0 PROJECT REQUIREMENTS:

The Contractor shall furnish a technical and cost proposal to provide services to demolish and dispose of Bldg. 11. The project is located at the USDA, ARS, Crop Science Research Lab, 150 Twelve Lane, Mississippi State, MS 39762.

- a. The Contractor will work with site personnel to ensure project is accomplished in a timely manner.
- b. The Contractor's work shall adhere to the criteria stated within these project requirements and specifications. All abatement efforts shall comply with applicable federal, state, and local code requirements as well as current industry standards (i.e., AHERA; ANSI; ARI; CFR; EPA; OSHA; MS State Dept. of Health; USACE etc.) and health and safety codes in effect at the time of contract award.
- c. Davis Bacon Wage Rates apply to all construction contracts in excess of \$2,000. Employee payroll logs for the project will be required to verify wage rates are being adhered to.
- d. Projects in excess of \$150,000 will require a bid bond. Additionally, Payment and Performance bonds will be required for projects exceeding \$35,000. Obtaining and the cost of these bonds is the responsibility of the Contractor. Proof of Insurance is also required.

4.1 Bid Schedule:

- a. The Base Bid shall include all work described in 4.2 Description of Work.

4.2 Description of Work:

- a. The project is to demolish Greenhouse 9A in its entirety. Greenhouse 9A is an approximately 3,600 SF greenhouse built in 1966 and consists of metal supported glass walls and roof with concrete knee walls. Each plantroom inside the greenhouse has a dirt and gravel floor with concrete walkways with a common corridor on the east side of the Greenhouse which has a concrete floor (approximately 800 SF). There are 2 large plant rooms of approximately 700 SF each and 6 small plant rooms of approximately 230 SF each. Both have dirt floors with a concrete sidewalk. See photos in Section 7.
- b. Completely demolish and remove the greenhouse and connecting hallway to the headhouse, structures and utilities, including all appurtenances related or connected thereto. Demolition shall include removing the building, foundations, footings, concrete pad, water lines, sewer lines, and electrical service back to the panel and all appurtenances related or connected thereto. Removed utilities shall be terminated in a manner conforming to the nationally recognized code covering the specific utility and approved by the Contracting Officer.
- c. During demolition, provide safeguards, including warning signs, barricades, temporary fences, and other similar items that are required for protection of all personnel during demolition and removal operations. Maintain fences, barricades, and other similar items around exposed excavations until such excavations have been completely filled.
- d. Contractor shall inspect the site and buildings to complete an assessment for demolition before the demolition starts. A location contact should be contacted to get exact removal boundaries for excess concrete leading to buildings. Contractor shall determine where debris will be disposed of and

what containers and methods will be used for demolition debris. If any hazardous waste is found, contractor shall inform the location upon first contact and decide what kind of specialized equipment and methods per Federal and State regulations shall be used to remove and dispose of any hazardous waste. All utilities will be disconnected and safely removed. Contractor is responsible for capping water and sewer lines.

e. After demolition, disturbed areas shall be leveled with friable topsoil which shall be placed and spread to the height of the surrounding area and seeded with grass seed mixture to match surrounding vegetation and covered using a straw mulch to prevent erosion until growth and coverage is achieved. On completion of work, leave site in clean condition.

f. All contents, furniture, appliances, equipment, material and debris shall be removed and disposed of by the contractor.

g. Contractor shall perform a metal sweep of the restored demolition site and the roads used to haul the demolished material offsite.

4.2.1 Pre-Construction Phase Services:

a. Pre-Construction Submittals

Prior to issuance of Notice to Proceed (NTP) the following submittals must be submitted to the Contracting Officer (CO) for approval:

1. Work Hours, per Section H.30 entitled, MAXIMUM WORKWEEK – CONSTRUCTION SCHEDULE. The work hours will include the daily starting and stopping time, and days of the week the Contractor proposes to carry out the work.
2. Scheduling.
3. Construction Cost Proposal presented in a cost break-out format resembling a Schedule of Values.
4. Quality Control Plan.
5. Accident Prevention Plan/Safety Plan.
6. The construction contractor (CC) shall provide to the CO a list of contract personnel of the general and subcontractors, who will be emergency contacts, including address, and telephone numbers for use in an emergency. As changes occur and additional information becomes available, the CC shall update the list.
7. Contractor is responsible for any damage to adjacent items or property that may become damaged during demolition. The Contractor is responsible for making repairs to meet or exceed conditions prior to damage.
8. The Contractor is responsible for visiting the site prior to submitting a bid to observe existing conditions. No compensation will be provided for conditions that would be visible during an on-site visit for persons experienced performing this type of work.

4.3 Government Furnished Equipment\Services:

a. The Government will furnish a reasonable amount of electricity and water.

5.0 GENERAL REQUIREMENTS:

5.1 Permits:

Where governing regulations and imposed codes and standards require notices, permits, licenses, inspections, tests, and similar items or actions in order to lawfully proceed with the required work, the Contractor shall obtain items and take those actions in accordance with the regulations of the governing authority. The costs of such permits, licenses, inspections, etc., are the obligation of the Contractor. Submit copies of demolition, hauling, and debris disposal permits and notices for record purposes. Include description of proposed haul routes.

5.2 Utility Severance Certificates:

Provide certificates, issued by the utility owners, of severance of utility services for record purposes if required.

5.3 Demolition Plan:

Submit a comprehensive demolition plan, describing the proposed sequence, methods, and equipment for demolition, removal, and disposal of the building.

5.4 Existing Installations / Demolition:

Contractor shall coordinate demolition of existing installations with USDA. All disturbances of existing systems shall be coordinated with the USDA to prevent disconnecting equipment that might jeopardize on-going research.

5.5 Quality Control:

The work performed under this contract shall be subject to continuous audit by the COR. Quality control is the exclusive responsibility of the Contractor.

5.6 Protection of Work and Property/Safety Requirements:

- a. The Contractor shall protect the work, the site, and all existing property and structures within the limits of the construction activities or that may be affected thereby until acceptance of the work. Any damage to property shall be repaired at the Contractor's expense to pre-damaged condition to the satisfaction of the COR.
- b. Safety and health matters, as they relate to the work, are the exclusive responsibility of the Contractor. The Contractor shall furnish, erect, and maintain barricades, warning lights, signs, guards, or take other precautions as may be required by law or local authorities of the protection and security.
- c. Open depressions and excavations occurring as part of this work shall be adequately barricaded or fenced to prevent vehicle or pedestrian traffic into the work area.
- d. Provide continuous noise and dust abatement as required to prevent disturbance and nuisance to the public and workers and to the occupants of adjacent premises and surrounding areas. Dampen or cover areas affected by demolition operations as necessary to prevent dust nuisance.
- e. The Contract Documents may not represent all surface conditions at the site and adjoining areas. The known surface conditions are as indicated and shall be compared with actual conditions before commencement of work and the cost shall be included in the contractor's proposal.

5.7 Hazardous material:

a. The building was constructed in 1966. It is suspected that Asbestos Containing Materials are present and will require abatement and proper disposal. Other hazardous materials may be present that will require testing and proper disposal. Existing conditions are reflected correctly to the best of USDA's knowledge. Owner makes no representation, warranty, or guaranty that the conditions indicated either are representative of those conditions existing throughout the area, or that unforeseen developments may not occur, or that materials other than, or in proportions different from those indicated may not exist. Contractor shall include costs for hazardous materials sampling and disposal in the proposal.

5.8 Disposal of Removed Materials and Debris:

- a. Dispose of removed furniture, appliances, materials, waste, trash, and debris in a safe, acceptable manner, in accordance with applicable laws and ordinances and as prescribed by authorities having jurisdiction.
- b. Burying of trash and debris on the site will not be permitted. Burning of trash and debris at the site will not be permitted.
- c. Remove trash and debris from the site at frequent intervals so that their presence will not delay the progress of the work or cause hazardous conditions for workers and the public.
- d. Removed materials, trash, and debris shall become the property of the Contractor and shall be removed from the project site and be disposed of in a legal manner. Location of disposal site and length of haul shall be the Contractor's responsibility.
- e. The contractor should make every effort to recycle as much of the construction debris as possible.
- f. Waste Management Plan: Full plan should be submitted within 14 days of date established for the Construction Notice to Proceed. Approval of the contractor's plan does not relieve the contractor of responsibility for compliance with applicable environmental regulations. This plan should include all proposed disposal sites and should include waste diversion and recycling when possible.
- g. All waste materials encountered during the demolition that are found to contain lead, asbestos, PCBs, fluorescent lamps, or any hazardous substances, they are to be handled and removed in accordance with local, state, and federal laws and requirements concerning hazardous waste as well as any specific hazardous waste requirements stated in different sections. These materials and any other hazardous materials must be excluded from the construction waste stream calculations.
- h. Comply with hauling and disposal regulations of authorities having jurisdiction, per federal, state and local requirements.

5.9 Temporary Facilities:

a. Temporary utilities (water and electricity) may be furnished to the Contractor by the Government, if so requested. The Contractor shall maintain and protect all such utilities during the course of construction and shall repair or replace any items damaged through its own negligence.

b. Should the Contractor require any power or utility shutdowns during demolition, the Contractor shall obtain approval for such shutdown from the COR three working days prior to the need.

5.10 Cleanup:

The construction site shall be kept clean and free of debris at all times. Restore areas disturbed as nearly as possible to the original appearance and condition. Upon completion of the project, and prior to final inspection, the Contractor shall remove from the premises all unused material, trash, and debris resulting from the work to the satisfaction of the COR.

5.11 Final Payment/Contract Closeout:

The following documents are REQUIRED PRIOR TO FINAL PAYMENT (other documents may also be required):

- a. Release of liens.
- b. Employee payroll\time sheets
- c. Invoice

6.0 PROJECT SCHEDULE: The Contract time for this project is 120 calendar days.

7.0 PHOTOS BUILDING GH 9A:



7.1



7.2



7.3



7.4



7.5



7.6



7.7



7.8

