The Northeast Fisheries Science Center (NEFSC) has been tasked with developing its abilities to study emerging needs of regional aquaculture by constructing a new state of the art marine finfish recirculating aquaculture system (RAS). In support of this task we need to make key facilities upgrades the will support the addition of the RAS equipment. This includes constructing a new concrete pad outside the laboratory.

DESCRIPTION

A. The National Marine Fisheries Service (NMFS) James J Howard Laboratory is located at 74 Magruder Road, Sandy Hook, NJ 07732. All inquiries are to the attention of the Government Point of Contact (GPOC), Pete Plantamura 908-433-3581, who may be contacted regarding any questions or for a pre-quote job site inspection. Coordinate site visits at least 48 hours (two working days) in advance of the intended site visit by contacting facility operations specialist/lab director, Pete Plantamura, 908-433-3581 or peter.plantamura@noaa.gov.

B. NMFS, a part of the National Oceanic and Atmospheric Administration (NOAA) of the Department of Commerce (DOC), is a governmental agency charged with the mission of stewardship for living marine resources.

C. The contractor shall be fully knowledgeable of all requirements of the contract documents and shall make themselves aware of all job site conditions that will affect their work. Contractor to verify all dimensions prior to submitting quotation.

D. The contractor shall maintain the highest industry standards of concrete preparation and condition and pour a 10’x18’x6” concrete pad at the James J. Howard Marine Lab inside the north courtyard against the long side of the lab building and 2 feet off the short side of the building.

E. The area for this new concrete pad needs to be prepared, compacted, leveled and pitched away from the building after the removal of 4 existing lally columns which need to be removed/cut to be below the bottom of the new concrete pad installation.

F. The new concrete pad shall be 4” deep over the existing pad and 6” deep over the remainder of the area.

G. The pad shall have a commercial broom finish.

H. The concrete shall be 3500psi fibermesh mix.

I. The contractor shall legally dispose of all excess debris and materials, government dumpsters will not be available for any trash generated during this project.

J. Site and Project Locations:
   Site Location: Sandy Hook, NJ
PRE-SITE VISIT

It is highly recommended that a site visit be conducted prior to submitting a quote in order to view site conditions and verify measurements. Contact the GPOC to schedule a site visit between the hours of 7:00 AM– 3:30 PM, Monday through Friday. Please plan to coordinate site visits at least two working days in advance of the intended site visit.

GENERAL

A. The contractor shall be fully knowledgeable of all requirements of the contract documents and shall make themselves aware of all job site conditions that will affect their work.
B. The contractor shall comply with all applicable codes (NFPA, NEC, IBC, BOCA etc.) and other published instructions for the installation of specified products, and installation requirements per the contract documents.
C. The contractor is responsible for his/her own security arrangements including subcontractor’s materials, tools, equipment, and personnel.
D. Work in Progress: The contractor shall be responsible for the protection and safe keeping of all work in progress prior to final acceptance by the Government.
E. All methods, materials and workmanship provided by the contractor under this contract shall, as a minimum, be performed in accordance with professional industry standards and shall comply with applicable codes for construction. Field measurements and verifying site conditions are the responsibility of the contractor.
F. See Appendix 1 for List of Acronyms and Site photo.

SPECIFIC TASKS

A. The Contractor shall prepare the area inside the north courtyard against the long side of the lab building and 2 feet off the short side of the building at the James J. Howard Marine Lab for a new concrete pad (approximate dimensions 10’x18’x6”).
B. Preparation will require removal of 4 existing lally columns or cutting of 4 lally columns below the bottom of the new concrete pad installation.
C. The area of the concrete pad needs to be prepared, compacted, leveled and pitched away from the lab building. Any fill needed shall be provided by the contractor, fill shall be crusher run or equivalent small aggregate.
D. The finished concrete pad shall be 4” deep over the existing pad and 6” deep over the remainder of the area.
E. The pad shall have a commercial broom finish.
F. The concrete shall be 3500psi fibermesh mix.
G. NEFSC staff shall remove any equipment in the area before construction of the concrete pad.

EXAMINATION

Verification of Conditions:
1. Before starting work, report in writing to the GPOC any unsatisfactory condition.
2. Inspect prepped, compacted and formed area prior to pouring concrete.
3. After pouring inspect finish before curing
4. Final inspection after forms are removed and the area is graded to meet the slab

AREAS TO BE POURED

Install a new concrete pad inside the north courtyard against the long side of the lab building and 2 feet off the short side of the building at the James J. Howard Marine Lab (approximate dimensions 10’x18’x6”).

ACCESS TO WORK SITE

A. All persons employed within the boundaries of the property or restricted-access areas therein, and all persons permitted to enter such property and areas shall comply with the security regulations for the NEFSC James J. Howard Laboratories.
B. The Government reserves the right to close down the job site and order contractor personnel off the premises in the event of a national emergency or a shut-down, for as long as security problems persist. The contractor may only return to the site with verbal approval from the GPOC.
C. The Government reserves the right to exclude or remove from the site or building any employee of the contractor or a subcontractor whom the Government deems incompetent, careless, insubordinate or otherwise objectionable, or whose continued employment on the work is deemed by the Government to be
contrary to the public interest.

D. Personnel may be subject to inspection of their personal effects when entering and leaving the facility. In addition, unscheduled inspections of personnel may be made when entering or while on site.

FINAL ACCEPTANCE AND INSPECTIONS

A. Inspection of work to be performed by the GPOC. Any corrective action required as a result of the inspection will be accomplished prior to final monthly billing.

B. The contractor may be notified of deficiencies in performance in writing by the GPOC. Oral deficiency notifications will be confirmed in writing. Prompt corrective action shall be taken by the contractor upon notice of deficiency.

C. The contractor shall advise the Government when all work is completed. The Government will not accept the work until it determines that all work has been satisfactorily completed within the terms of the contract.

EXISTING CONDITIONS

If discrepancies are discovered between the existing conditions and those noted on the SOW/drawings, immediately notify the GPOC. Upon receipt of quote Documents verify documents are complete. Notify GPOC if documents are incomplete. Immediately notify GPOC upon finding discrepancies or omissions in quote Documents.

JOB SITE PROTECTIONS

A. It shall be the responsibility of the contractor to protect the property of others as well as his/her own property, and to repair or replace any property damaged by the contractor in fulfilling this project. The contractor shall keep the area clean and upon completion of the project, the contractor shall clean up the work area and remove all debris from the job site in a timely and legally acceptable manner so as to not detract from the aesthetics or the functions of the building. Government dumpsters will not be available for contractor use. The contractor shall repair or be responsible for costs to repair all property damaged during the performance of work.

B. The contractor shall take precautions to prevent the spread of dust, moisture and debris. The contractor shall provide labor and materials to construct, maintain and remove necessary temporary enclosures to prevent dust or debris in the construction area(s) from entering the remainder of the building.

C. All work shall comply with applicable Federal, State and Local regulations.

D. The contractor shall be responsible for all means and methods as they relate to safety and shall comply with all applicable OSHA, NEC, NFPA, EPA 40 CFR Part 745, local, state and federal requirements and other regulatory agencies during the course of the project. Safety shall be the responsibility of the general contractor. All related personnel shall be instructed daily to be mindful of the full time requirement to maintain a safe environment for the facility’s occupants including staff, visitors, customers and the occurrence of the general public on or near the site.

PERIOD OF PERFORMANCE

A. The actual start date shall be coordinated with the GPOC.

B. Upon notice to proceed, the contractor shall be required to complete work within 20 calendar days.

SUBMITTALS
The contractor shall submit the following:

- Schedule (5 days after NTP)
- Material Safety Data Sheets (MSDS) (10 days after NTP)
- Safety Plan (5 days after NTP)

DELIVERY, STORAGE, HANDLING, AND PROTECTION

A. Deliver materials to the job site in the manufacturer’s original, unopened containers or wrappings with the manufacturer’s name, brand name and installation instructions intact and legible. Deliver in sufficient quantity to permit work to continue without interruption.

B. Comply with the manufacturer’s written instructions for proper material storage.

C. Any materials which are found to be damaged shall be removed and replaced at the contractor’s expense.

D. Care shall be exercised to provide protection of surrounding structures, parking lot, and hallways and buildings structure.
GOVERNMENT POINT OF CONTACT

Peter Plantamura, facility operations specialist/lab director, peter.plantmura@noaa.gov, 908-433-3581.

QUALITY CONTROL
A. The contractor shall monitor the thickness of the concrete as work progresses. Areas found to not meet the required thickness shall receive additional material until specified thickness is attained. No subcontractors.
B. The contractor shall submit manufacture cut sheets and other specification literature for all materials to be installed.
C. All work described in the Statement of Work shall comply with the manufacturers installation guidelines.
D. The contractor shall furnish all labor, materials, tools, transportation, services and supplies as stated in this requirement.
E. Work is required to be completed in accordance with the construction industry standards and codes.
F. The contractor shall supply the GPOC with the onsite supervisor contact information and any other key personnel.

WARRANTY
The contractor shall provide a written warranty against faulty workmanship for a period of 5 years from substantial completion of the project. The Manufacturer shall guarantee that their materials are free from defects and comply with their published specifications.

USE OF THE PREMISES
Before beginning work, the contractor shall secure approval from the GPOC for the following:
A. Contact the GPOC for parking information and facility access.
B. Access to the site.
C. Areas permitted for storage of materials and debris.
D. Security: Obey the government's requirements for personnel identification, inspection and other security measures.
E. The NEFSC is a smoke free campus. The Contractor and its employees shall adhere to all applicable rules and regulations regarding maintenance of a smoke free environment on the job site.
F. Use of Government facilities:
   1. Water and electricity for construction purposes are available at the work site.
   2. Toilet facilities shall be provided.
   3. Contractor shall provide storage for tools and materials. The Government is not responsible for providing storage or security of materials, tools, or equipment.
G. The premises will be occupied during the performance of the work. Contractor to coordinate work with the GPOC to accommodate the work schedule, continuing access and completion date.
H. Working hours shall be 7:00 AM – 3:30 PM (M-F). Contractor shall observe all federal holidays.

WORKMANSHIP
All work shall be of highest quality and in strict accordance with the manufacturer’s published specifications and to the building owner’s satisfaction, most recent codes and standards.

QUALITY ASSURANCE
A. Unless otherwise noted in the contract documents, contractor shall comply with the manufacturer’s current specifications and details.
B. The contractor shall provide adequate number of experienced workmen regularly engaged in this type of work who are skilled in the application techniques of the materials specified.
C. There shall be a site superintendent on the job site at all times while work is in progress. The site superintendent must be an employee of the general contractor and on the site all times during the course of any ongoing work.
D. There shall be no deviations made from this specification or the approved shop drawings (if any) without the prior written approval of the GPOC. Any deviation from the manufacturer’s installation procedures must be supported by a written certification on the manufacturer’s letterhead and presented to the GPOC for consideration.
E. All substitution requests for products, equipment, materials and methods described within the contract documents shall be submitted to the GPOC. Substitutions request are not permitted prior to the Notice to Proceed. Substitute products will be considered when the request is submitted in writing to the GPOC. The GPOC will have seven (7) working days to approve/disapprove substitution request. Substitution request shall not result in schedule extensions.
FACILITIES AND CONTROLS

A. The contractor shall remove and dispose of all debris and trash from the job site in a timely and legally acceptable manner so as to not detract from the aesthetics or the functions of the building.
B. Contractor shall comply with all applicable Federal, State, and Local laws and regulations concerning environmental pollution prevention control and waste disposal.
C. Contractor shall immediately inform the GPOC of any environmentally hazardous situations that may arise as well as contact required regulatory agencies.
D. Perform daily clean-up to collect all wrappings, empty containers, paper, and other debris from the project site. Upon completion, all debris must be disposed of in a legally acceptable manner. The contractor shall ensure that the project area and areas adjacent to the project area are maintained in a clean and safe condition.

SAFETY

A. The contractor shall be responsible for all means and methods as they relate to safety and shall comply with all applicable OSHA, NEC, NFPA, and EPA, local, state and federal requirements. Safety shall be the responsibility of the general contractor. All related personnel shall be instructed daily to be mindful of the full time requirement to maintain a safe environment for the facility’s occupants including staff, visitors, customers and the occurrence of the general public on or near the site.
B. The contractor shall comply with the requirements of 29 CFR, Part 1910: Occupational Safety and Health Administration (OSHA) General Industry and Health Standards. The contractor shall promptly correct any non-complying work or conditions. Contractor shall be responsible to ensure its work does not affect the safety of the public or employees of the Government. Neither the Government nor its representatives shall bear any responsibility for safety precautions at the project work site. If, however, in the opinion of the GPOC, a life-threatening condition exists, the GPOC will orally (to be confirmed in writing) require the contractor to immediately suspend work in the affected area until the condition is corrected. Whenever contractor’s operations may create a hazardous condition, it shall be at its sole expense, furnish, install and maintain such guards, fences, barricades, railing, light, signs, or other devices necessary to prevent accident, injury or damage to people or equipment.
C. Five days prior to start of work contractor shall submit a safety plan. To include but not limited to open flames, welding, debris, cleanup, work place safety methods, and emergency procedures. The Safety Plan must be available on site at all times and must be reviewed with all subcontractors working under this contract for the duration of the contract project.
D. It is the contractor’s responsibility to ensure all employees; sub-contractors, venders, and other company representative adhere to all safety rules, regulations, policies and practices.
E. The contractor shall observe lock/out tag/out regulations and as required by OSHA.
F. The contractor shall keep the project site in a neat and orderly condition at all times.

JOB CONDITIONS, CAUTIONS AND WARNINGS

A. Material Safety Data Sheets (MSDS) must be on location at all times during the transportation, storage and application of materials. A separate set shall be given to the GPOC five (5) days prior to starting of the work.
B. The contractor shall not cause or permit any hazardous material to be brought upon, kept or used in or about the premises by its agents, employees, or subcontractors without the prior consent of the GPOC. Hazardous materials that are necessary to the performance of this contract shall be used, kept and stored in a manner that complies with all laws regulating any such hazardous material brought upon or used or kept at this site. The contractor shall provide Material Safety Data Sheets to the GPOC for any hazardous materials used in the performance of this contract.
C. As used herein, the term “Hazardous Material” means any hazardous or toxic substance, material, or waste, including but not limited to, those substances, materials, and wastes listed in the Department of Transportation Hazardous Material Table (49 CFR 172.101) or by the Environmental Protection Agency as hazardous substances (40 CFR Part 68.130) and amendments thereto, petroleum products, or such other substances, material, and wastes that are or become regulated under any applicable Local, State, or Federal law.
D. Site condition in and around the boiler is limited. Contractor is encouraged to visit the site to view, measure the working space. Working space between boilers, walls and ceilings limited.

PERSONNEL

A. The contractor shall provide proof that all on-site employees are US citizens or legal aliens.
B. The contractor shall not employ personnel with felony convictions, or with a record of narcotics use, for work at the NEFSC Laboratories.
APPENDIX 1

List of Acronyms:

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
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<tbody>
<tr>
<td>ASTM</td>
<td>American Society for Testing and Materials</td>
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<tr>
<td>ACI</td>
<td>America Concrete Institute</td>
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<tr>
<td>BMP</td>
<td>Best Management Practices</td>
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<tr>
<td>BOCA</td>
<td>Building Officials and Codes Administrators</td>
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<tr>
<td>COR</td>
<td>Contracting Officers Representative</td>
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<tr>
<td>COTR</td>
<td>Contracting Officers Technical Representative</td>
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<tr>
<td>EB</td>
<td>Encased Burial</td>
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<td>EPA</td>
<td>Environmental Protection Agency</td>
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<td>IT</td>
<td>Information Technology</td>
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<tr>
<td>MSDS</td>
<td>Material Safety Data Sheets</td>
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<tr>
<td>NEC</td>
<td>National Electric Code</td>
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<td>NFPA</td>
<td>National Fire Protection Association</td>
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<td>NTP</td>
<td>Notice To Proceed</td>
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<td>OSHA</td>
<td>Occupational Safety and Health and Administration</td>
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<td>PVC</td>
<td>Polyvinyl Chloride</td>
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<td>SOW</td>
<td>Statement of Work</td>
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<td>UL</td>
<td>Underwriters Laboratory</td>
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<tr>
<td>AAMA</td>
<td>American Architectural Manufacturers Association</td>
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<tr>
<td>GPC</td>
<td>Government Point of Contact</td>
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