

SCOPE OF WORK

For

REQUEST FOR PROPOSAL

Construct Outdoor Recreational Facility

TYNDALL AFB FLORIDA

FOR PROJECT XLWU 25-4011

1. INTRODUCTION

The requirement of this project is to construct a new outdoor sports complex that incorporates basketball, tennis, pickle ball, and volleyball courts within a 1.5 acre area at Tyndall AFB. This work includes furnishing all labor, materials, transportation, tools, equipment, and supervision needed to satisfy this requirement. All work shall be accomplished in strict accordance with the requirements and specifications in this SOW and its attached documentation and subject to the terms and conditions of the contract.

2. SCOPE OF WORK

2.1 Scope and Applicable Documents

Contractor shall be responsible for all professional services, permits, equipment, labor, tools, materials, and ancillary items necessary to complete the Design-Build effort consisting of the tasks defined by this SOW. The contractor will have a designated Designer of Record (DOR) and Construction Lead. The performed tasks shall be based on the project description, other data furnished in this SOW, and information covered during a pre-construction/criteria review meeting to be held prior to Contractor mobilization. Changes outside of the SOW must be made in writing and accepted by the Contracting Officer. Contractor must also abide by the attached standard clauses. Additional project information and requirements are found in Appendices A-K.

All work under this contract shall comply with Florida Department of Transportation (DOT) and Department of Environmental Protection (DEP) Standards, UFCs 3-250-01, 3-250-03, 3-600-01, 3-210-10, 3-220-05, 3-220-10, 3-250-11, 3-530-01, 3-600-01, and 3-201-01, and Tyndall Installation Facility Standards. Conformance to all applicable federal, state, and local statutes/standards and Tyndall Air Force Base and United States Air Force, Department of Defense, and Military instructions, standards, guidance, regulations, and safety procedures is also mandatory. Contractor shall also conform to publications from US Army Corps of Engineers (USACE), Environmental Protection Association (EPA), Occupational Safety and Health Administration (OSHA), Unified Facilities Criteria (UFC), Facilities Guide Specification (UFGS), American Society for Testing and Materials (ASTM), National Fire Protection Association (NFPA), National Electrical Code (NEC), International Building Code (IBC), and International Mechanical Code (IMC), Florida Administrative Code (FAC), Americans with Disabilities Act (ADA), USA Volleyball, USA Pickleball, International Basketball Federation (FIBA), and International Tennis Federation (ITF). It is the Contractor's responsibility to identify and comply with all applicable requirements. It shall be the contractor's responsibility as the Designer of Record (DOR) to identify any design/construction criteria waivers that are warranted for the Project and to accomplish all necessary coordination activities necessary to obtain approval of these proposed waivers through the Contracting Officer (CO), and/or Project Manager (PM).

All work must comply with OSHA 29 Code of Federal Regulations (CFR) 1926; specifically, an Engineering Survey per 1926.850(a), Preparatory Operations, shall be required. It is the responsibility of the contractor to fulfill its obligation under 29 CFR 1910.120, Hazardous Waste

Operations and Emergency Response, and address the health and safety of its employees associated with construction activities relative to this project.

2.1.1 Permits

The Contractor is solely to be responsible for verifying the need for, develop, coordinate, apply, and obtain all required federal, state, local, environmental, and other applicable permits, access (including off base easements and leases), agreements, licenses, and certificates required to perform and complete each project. All costs associated with permits will be paid for by the contractor. All costs associated with any environmental sampling will be paid for by the contractor. It is the contractor's responsibility to verify with all necessary regulatory agencies if any permits are required and/or provide written concurrence from the necessary agencies that no permits would be required prior to starting work, unless a viable regulation is noted detailing the activity would not require prior authorization and is agreed upon by the 325 CES/CEIEC.

A Construction Generic Permit (CGP)/Notice of Intent (NOI) under the FDEP's NPDES stormwater program will be required. as Tyndall is considered a "Common Plan Development" per FDEP definition. This is separate from the Environmental Resource Permit (ERP) required under PART IV, Chapter 373, F.S., a stormwater discharge permit required under Chapter 62-25 of the Florida Administrative Code (FAC), or any local government's stormwater discharge permit for construction activity. Where the construction crosses regulated surface water (open ditches/swales) a General Permit will be required under 62-330.453 of the FAC. All permit applications must be reviewed by CEIEC and signed by the 325th CES Commander prior to submittal.

All permits which require government review must be submitted in their own separate 65%, 95%, and 100% design submittals; the complete forms, stamped by licensed engineer, must be submitted with the 95% design submittal of the project. More information is in section 4.12.

2.2 Description of Work

The project intent is to is to construct a new outdoor sports complex that incorporates 1-basketball, 1-tennis, 3-pickleball, 1-volleyball courts within a 1.5 acre area on Tyndall AFB. The project is a design – build effort which includes all aspects of design, permitting and construction of the outdoor recreational area which includes lighting, storm water attenuation facility, and fencing. The site will also contain sidewalk to connect all facilities to the roadway for pedestrian traffic from the parking lot and/or existing adjacent roadway. The Contractor shall implement means and methods that will limit disturbance to the natural vegetation, dune systems, water bodies and base activities to the greatest extent practicable throughout the project performance. Maintenance of Traffic (MOT) guidelines shall be followed. Unless noted otherwise, work is anticipated to be performed during normal working hours. The Government provided documents and existing field conditions shall be reviewed by the contractor to identify any potential discrepancies and develop necessary Requests for Information (RFI) prior to construction mobilization.

The project work is outlined in the following tasks:

2.2.1 Task 1.0 (Design New Outdoor Recreational Facility)

Contractor shall retain the professional services necessary to assess the needs and develop complete design documents for the construction effort. The Contractor's design team shall evaluate the specific project requirements, concept drawings, and existing condition information collected from site visits/field explorations to produce a complete set of construction documents.

- A. Design Basketball Court, including placing asphalt, placing acrylic topping, placing white court striping per adult intermural standards, providing two regulation backboards with hoops, nets and poles.
- B. Design Tennis and Pickleball Courts, include placing asphalt, placing acrylic topping, white placing striping, providing poles and netting.
- C. Design Beach Volleyball Court, including surface material, providing poles and netting.
- D. Design lighting for new recreation area. Design overhead lighting that can be controlled by the customer via dimmer switch. GCEC owns and installs the lighting on the base, coordination in section 3.2 is required. Court lighting shall be shielded to reduce light pollution during court usage. Pathway lighting shall be turtle friendly.
- E. All courts shall be placed in a north/south orientation, or as close as possible.
- F. Design stormwater in accordance with FDEP regulation and requirements. A Florida Department of Environmental Protection storm water permit will be required. Permit submittal must be reviewed and approved by CES prior to submitting to FDEP.
- G. Design all required utilities to deliver a fully functioning facility.
- H. Install new fencing around new sporting courts in accordance with requirements and shall be chain linked to include pedestrian gates, posts, top rails and all other appurtenances necessary for complete installation. Fencing on basketball court should be no lower than 10 feet in height to ensure player safety. Tennis/pickleball courts fencing should be no lower than 11-1/2 feet. If basketball and tennis/pickleball courts share a common side, all fencing shall match at the highest top-rail height. The volleyball court does not require fencing.

2.2.2 Task 2.0 (Construct New Outdoor Recreational Facility)

The Contractor shall provide all labor, materials, and equipment in accordance with project requirements and the final design drawings and specifications to construct the following:

- A. Outdoor Basketball Court, including placing asphalt, placing acrylic topping, placing white court striping, providing two regulation backboards with hoops, nets and poles.
- B. Outdoor Tennis and Pickleball Courts, include placing asphalt, placing acrylic topping, white placing striping, providing poles and netting.
- C. Beach Volleyball Court, including surface material, providing poles and netting.
- D. Stormwater detention in accordance with FDEP regulation and requirements.
- E. New fencing around new sports courts in accordance with requirements and shall be chain-linked to include pedestrian gates, posts, top rails and all other appurtenances necessary for complete installation.
- F. Sidewalks that connect all courts to the existing fitness center parking lot. Sidewalks shall be 6 feet in width.

2.2.3 Task 3.0 (Lighting)

Install lights and timer for new courts, and paths to meet requirements set forth in the SOW.

- A. GCEC owns and installs the lighting on the base, coordination in section 3.2 is required.
- B. Install pathway lighting (turtle friendly) on sidewalks.
- C. Install necessary electrical conduits, conductors, panels, and appurtenances for the lighting system.

2.2.4 Task 4.0 (Stormwater facilities)

Construct new storm water attenuation. Include all materials needed for conveyance of stormwater runoff of non-permeable surfaces and outfall metering structures.

- A. Construct a new detention pond.
- B. Re-slope, regrade and re-sod existing retention and conveyance swells.
- C. Install new storm water conveyance structures for the new facility.

Design decisions shall be justified; more information in Section 4. Site and project area shown in Appendix A.

This level of disturbance will require run-off mitigation and will require a storm water design, which must also be submitted to the state of FL to permit the area. The new pond should account for this project to the maximum extent possible. This design also may include management through storage and/or conveyance swales, percolation, geo-textile fabric, curb and gutter, or control structures; design decisions shall be justified. However, Government is requiring that road-side utility mains not be affected in final design or during the construction process. Any damaged utilities will be repaired at no cost to the government.

The drawings or site images provided in Appendix A are FOR INFORMATION ONLY and final design is the responsibility of the contractor to determine. Official signed AF 813 will be provided upon award. If ground disturbance must exceed the limits described on the AF 813, additional time, coordination, and legal permission will be required.

Any adjacent areas to the new construction shall be restored with grass, and any areas disturbed by construction that are not part of the SOW shall be restored at no cost to the government. Limits of construction shall be provided with Design Submittals.

After all Design Submittals and Permits are approved, and upon the approval by the Contracting Officer (CO), by the issuing of a construction Notice to proceed, the Contractor may commence construction. The Contractor shall complete the work as approved in plans and shall conform to this SOW. Before construction begins, an AF Form 103 shall be required; see section 3.1 for more details. Any work that requires destruction of facilities requires a 10-day notification to the FDEP, copies of which must be provided to 325 CES.

2.3 Verification of Existing Conditions and Site Survey

An initial site visit shall be required; it will be arranged in conjunction with the kick-off meeting. Additional site visits shall be completed as required to validate design and construction plans. The Contractor shall be solely responsible for verification and validation of existing conditions, coordination of existing conditions in parallel with proposed requirements, and above and below-grade condition assessment.

2.4 Design Phase

This project will require 65%, 95%, and 100% design submittals.

2.4.1 The design shall include a detailed description of the project requirements, a discussion of alternative solutions to technical challenges highlighting advantages and disadvantages, all necessary calculations, specifics of selected materials, a detailed Independent Government Cost Estimate (Class 3 estimate due with the 65% design submittal; Class 1 estimate due with the 100% design estimate) and a Cost Engineering estimate of the Government's cost to maintain the selected materials, and recommended value engineering measures to improve the performance of the facilities and to reduce the associated costs of those systems to the Government.

2.4.2 The design reveals the designer's rationale and intent. The design shall be configured to allow a reviewer unfamiliar with the project to gain an understanding of the project requirements, the design options that were considered, and the reasons that the selected design options were ultimately chosen. The design may include sketches, photographs, tables, flow charts, or other graphics or media necessary to communicate the intent of the design.

2.4.3 Calculations shall be shown in the 95% design submittal and in the 100% design submittal. All calculations used to select equipment such as valves, pumps, motors, fans, transformers, switches, circuit breakers, and/or lighting fixtures shall be shown. Software

programs may be used to generate calculations; however, the design shall address the appropriateness of any selected program(s), as well as provide a listing of software program inputs and software program generated outputs.

2.4.5 The Contractor shall draft United Facilities Guide Specifications (UFGS) compliant specifications and submit them for approval. The Contractor shall submit specifications at the 95% design level and the 100% design level. The completed specifications shall be provided to the CO in Portable Document Format (PDF), and in unprotected editable Microsoft Word (RTF, DOC, or DOCX) formats.

2.5 On-Site Field Oversight

The Contractor shall provide A site superintendent, quality control representative, and safety manager, plus all the manpower, equipment, material, services, and transportation necessary to ensure accomplishment of this contract. It is the responsibility of the Contractor to establish and maintain open communications between salient authorities associated with accomplishment of this contract. Contractor employed Site superintendent, quality control representative (QCR), and safety manager must be on site at all times. The site superintendent can also fill the role of QCR in a dual role capacity. The site superintendent cannot dual role as the safety manager.

2.6 Work Requirements

2.6.1 Any areas disturbed by construction activity not in scope must be restored at no cost to the government. Any damage to grounds, infrastructure, utilities, communication network, etc., that are not part of this project shall be restored to pre-existing conditions at no cost to the Government.

2.6.2

2.6.3 Adherence to Environmental Compliance, section 4.

2.6.4 Safe removal and disposal of HAZMAT if encountered during site clearing preparations, and safe use of HAZMATs if necessary, conforming to base procedures, see section 2.8 for more details.

2.6.5 Protect existing utilities; see section 3 for further instruction.

2.6.6 Remove natural and man-made debris within 25 ft of edge of project area, including but not limited to: stumps, downed trees, roots, root-balls, other damaged vegetative material, and facility remnants.

2.6.7 Any scrap metal found during site clearing efforts shall be collected/sorted for recycling prior to haul-off. The contractor shall utilize the current Base Recycling contract. The contractor shall deliver the scrap metal material to the Base Recycling Contracted location. Contractor

would turn in the invoices to Contracting Officer for the reporting requirement of Base Recycling Program. All proceeds from the recycling of scrap metal generated from this project shall be returned to the base recycling program.

Base Recycling Contract Location: **Emerald Coast Recycling/DBA Lewis Metals**
2312 Industrial Drive
Panama City, Florida 32405
Office Phone: 850 769-1336

2.6.8 Debris, products of clearing and grubbing, site clearing prep work, pavement material, and any waste generated by construction must be disposed of at approved sites. See section 2.7 for more information.

2.6.9 Whatever excess gravel, paving material, and soil remains when construction work is complete and contracted grade is reached must be properly characterized with a Hazardous Waste Determination. Excess material can be disposed of or recycled. If recycled it must be certified clean; otherwise, the excess soil must be disposed of in accordance with all federal and state disposal requirements. If on a contaminated site, the Hazardous Waste Determination requires a Full Toxicity Characteristic Leaching Procedure (TCLP). If not on a contaminated site, the Hazardous Waste Determination may be knowledge-based using surveys in government possession or testing where surveys do not exist. Further sampling may be required depending on the requirements of the facility where the soil will be disposed. Soil displaced by each site demo must remain on site and cannot be relocated or reused without certifying clean. See section 4.4 for more information.

2.6.10 If ground watering wells are present near project area; construction activities shall avoid damaging or disturbing any monitoring wells and signage that may be in the construction area. Construction activities shall protect wells from the introduction of contaminants (mud/dirt or PVC glue introduced/caps or plugs removed/risers compromised). Cost to sample, repair, and/or replace damaged wells and signs, because of construction, shall be incurred by the construction project. If wells must be eliminated, they shall be abandoned properly (and/or replacements installed) and surveyed by a Florida licensed water well driller. Monitoring wells are provided in Appendix X.

2.6.11 Any soils, gravel, or paving material brought on-site and used for project shall be properly tested or certified clean (with appropriate documentation) to ensure that no contaminants are being applied on-site. The source of backfill shall be natural or virgin material (other than the operation of a borrow pit facility) and shall be in an area which has not previously been used for commercial or industrial activities. One soil sample will be collected from the borrow source and analyzed for the following parameters:

- Volatile Organic Compounds (VOCs) per Method 8260

- Semi-volatile Organic Compounds (SVOCs) [Base/Neutrals (e.g., PAHs, Pesticides, PCBs) and Acid Extractables (e.g., Phenols)] per Methods 8270/8081/8082
- Resource conservation and Recovery Act (RCRA) metals by Method 6020
- Petroleum Residual Organics (by FL-PRO)
- Analytical results will be compared to the Florida Department of Environmental Protection (FDEP) residential Soil Cleanup Target Levels to determine acceptability of the proposed material as clean.

2.6.12 Where dewatering is required, the contractor must be prepared to address permitting, handling, storage, characterization, treatment, and disposal of the potentially contaminated dewatering effluent. Prior to dewatering, consult with AFCEC/CZO and 325 CES/CEIEC.

2.6.13 Any equipment that comes in contact with contaminated soils or groundwater shall be properly decontaminated before mobilizing to other contaminated or clean sites. Any decontaminated fluids must be collected and stored in 55-gallon drums, properly labeled and stored on pallets on site until sampled, tested, and disposed of at a proper disposal facility IAW Tyndall's Hazardous Waste Management Plan. Contractors are responsible for being aware of the appropriate procedures if any contamination is encountered (i.e. suspicious odors, odd soil colors, unfamiliar liquids, buried materials, etc.) at the site. If these conditions are encountered, AFCEC/CZO and 325 CES/CEIEC must be contacted.

2.7 Stormwater Pollution Prevention

Storm water drains, swales, ponds, drainage structures, and other media shall be secured during construction using best management practices to ensure no contaminants are introduced to the storm water runoff. After construction is complete, the surrounding area shall be graded to accommodate the drains. Sod and silt fencing shall be installed to contain any runoff, sediment, and materials from leaving construction site.

The contractor shall provide a Stormwater Pollution Prevention Plan (SWPPP) in accordance with the FDEP/EPA standards, particularly UFC 3-201-01 and ERL14-1. The FDEP has generated a template to be used at (<https://floridadep.gov/sites/default/files/ConstructionSWPPP.pdf>).

Work specific Best Management Practices (BMPs) shall be implemented prior to construction activities and maintained at all times during construction to prevent siltation and turbid discharges. Identify and cover stormwater structures using protection devices before performing any work. The BMPs are to be installed along the perimeter of all work areas to prevent the displacement of fill material outside the work area into surface waters, stormwater inlets, etc. Immediately after completion of the final grading of the land surface, all slopes, land surfaces, and filled areas shall be stabilized using approved sod, seeding, degradable mats, staked hay bales, staked filter cloth, turbidity barriers, or a combination of similar stabilizing materials to

prevent erosion. The erosion control measures shall remain in place and be maintained until all authorized work is completed and the work areas are stabilized and verified by USAF personnel.

There shall be no storage or stockpiling of tools, materials (i.e. lumber, pilings, debris) within wetlands, ditches, swales, or elsewhere within waters of the state. All stormwater conveyance structures shall remain in operable condition and shall not be allowed to deteriorate or otherwise contribute to a water quality violation. Construction activities shall be conducted in a manner that does not cause or contribute to violations of state of Florida water quality standards.

See section 4.12 for more information.

2.8 Solid Waste

The contractor is responsible for the disposal of solid waste generated for this project. It must be managed in accordance with AFI 32-7002 and the Tyndall AFB Installation Solid Waste Management Plan.

2.9 Hazardous Materials

All contractors and subcontractors must submit TAFB Forms 81, 82, and 83, along with Safety Data Sheets (SDSs) prior to bringing chemicals onto TAFB. The Contractor shall submit TAFB Form 81 (Contractor Questionnaire) and TAFB Form 82 (Chemical Inventory) and SDSs 7-10 days prior to start of work. A hazardous materials authorization letter must be issued by the 325 CES/CEIEC prior to any chemicals being used on the installation. The contractor must submit TAFB Form 83 at the completion of the project. If the project duration is longer than 30 days, the contractor must submit the TAFB Form 83 monthly until the project is complete.

3.0 UTILITY CONSIDERATIONS

3.1 AF Form 103

The Contractor will confer with 325 CES Customer Service to fully complete the Base Civil Engineering Work Clearance Request (AF Form 103), and to comply with the form once it has been signed. It is the responsibility of the Contractor to route the form to each department for signature. It is the Contractor's responsibility to have a complete approved AF Form 103 prior to beginning any construction activities including clearing, grubbing, exploratory geophysical work, etc. Contractor is responsible for coordinating any utility work with Base and Privatized Companies (TECO Gas, Mediacom, GCEC, etc.). FM-103 Dig Permit has all contact information. The Dig Permit takes 7-10 days to complete and sign and may result in efforts that government entities must complete efforts prior to construction which should be factored in to construction schedule.

Contractor is also responsible for maintaining markings placed and renewing permit every 30 days. Conformance to the procedures described on the 103 is mandatory.

3.2 The water, electric, and natural gas infrastructure on Tyndall AFB is privatized; dedicated fire water lines are privatized from the main to the post indicator valve. Any privatized utility which must be modified shall be completed by the system owner. The prime contractor shall enter into a service connection agreement with the system owner and will be responsible for paying the associated lump sum connection charge. The contractor must sign the memorandum of agreement between GCEC and the 325th Civil Engineer Squadron, which will constitute a defense, hold harmless, and indemnification agreement, and follow the associated execution checklist before they are legally permitted to demolish any privatized utility lines. This memorandum of agreement is attached as Appendix E.

The sewer and communications infrastructure are government owned. Contractor will complete any work required.

3.3 Utilities which must remain active during construction will be revealed in the Form 103 process. It is contractor responsibility to retain these active lines.

3.4 Utility Outages

Utility outages shall be defined as a stoppage in electric, gas, potable water, sewer, chilled or hot water, steam, telephone, Energy Monitoring and Control System (EMCS), or any other similar utility whether serving all or a part of a single facility or of several facilities.

3.4.1 Outage Coordination

All utility outages shall be coordinated through CEO with notification to the CO or the COR; contractor must complete the required paperwork and follow CEO procedures. Notice of the necessity for an outage shall be provided by the Contractor to the government not less than seven (10) working days prior to the time of the required outage and written approval for the outage will be issued by the Contracting Officer. All work shall be coordinated and arranged to ensure that the outage will be of minimum duration.

3.4.2 Utility Restoration

Once a utility outage is arranged and work begun, work shall continue until all utilities are restored.

3.4.3 Cancellation

In the event a scheduled utility outage is cancelled by the Government, notification will be given to the Contractor at least 24 hours in advance of the time for the outage to start. Rescheduling of a cancelled outage must be coordinated with written notification as described above.

4.0 ENVIRONMENTAL COMPLIANCE

4.1 General

The contractor shall minimize environmental pollution and damage that may occur as the result of construction operations. The environmental resources within the project boundaries and those

affected outside the limits of permanent work must be protected during the entire duration of this contract. Contractor shall comply, and assure that all subcontractors comply, with all applicable federal, state, and local laws, Air Force Instructions, Engineering Technical Letters, regulations and supplements, ordinances, policies and standards related to environmental matters. Whenever there is a conflict among federal, state, and local laws, regulations, and permit requirements, the more restrictive provision shall apply.

The use of materials which have been identified by Governmental agencies as being hazardous or creating potentially hazardous conditions will not be allowed on any project. Specifically, products containing lead, asbestos, polychlorinated biphenyl (PCB), and Ozone Depleting Chemicals are prohibited. The Contractor shall assume a strict and cautious position in responding to reports of other materials, which may be identified as hazardous during construction period.

If any material originally specified or approved for use in the work should become listed as suspected or verified as being hazardous, the Contractor shall immediately notify the Contracting Officer and initiate efforts to postpone the installation or use of the material until the matter can be investigated.

4.2 Environmental Protection

The contractor shall submit an Environmental Protection Plan for review and approval by the Contracting Officer and the Environmental office prior to commencing construction activities or delivery of materials to the site. The purpose of the Environmental Protection Plan is to present a comprehensive overview of known or potential environmental issues which the Contractor must address during construction. Issues of concern must be defined within the Environmental Protection Plan as outlined in this section. Address each topic at a level of detail commensurate with the environmental issue and required construction task(s). Topics or issues which are not identified in this section, but are considered necessary, must be identified and discussed after those items are formally identified in this section. The Environmental Protection Plan must be current and maintained onsite by the Contractor. Include in the environmental protection plan, but not limit it to, the following:

1. Name(s) of person(s) within the Contractor's organization who is (are) responsible for ensuring adherence to the Environmental Protection Plan.
2. Name(s) and qualifications of person(s) responsible for training the Contractor's environmental protection personnel.
3. Description of the Contractor's environmental protection personnel training program.
4. An erosion and sediment control plan which identifies the type and location of the erosion and sediment controls to be provided. The plan must include monitoring and reporting requirements to ensure that the control measures are in compliance with the erosion and sediment control plan,

Federal, State, and local laws and regulations. A Storm Water Pollution Prevention Plan (SWPPP) may be substituted for this plan.

5. Work area plan showing the proposed activity in each portion of the area and identifying the areas of limited use or nonuse. Plans should include measures for marking the limits of use areas including methods for protection of features to be preserved within authorized work areas.

6. Include in the Spill Control plan the procedures, instructions, and reports to be used in the event of an unforeseen spill of a substance regulated by 40 CFR 68, 40 CFR 302, 40 CFR 355, and/or regulated under State or Local laws and regulations. Include in the plan:

- a. The name and qualifications of the individual who will be responsible for implementing and supervising the containment and cleanup.
- b. Training requirements for Contractor's personnel and methods of accomplishing the training.
- c. A list of materials and equipment to be immediately available at the job site, tailored to cleanup work of the potential hazard(s) identified.
- d. The names and locations of suppliers of containment materials and locations of additional fuel oil recovery, cleanup, restoration,
- e. The methods and procedures to be used for expeditious contaminant cleanup
- f. A listing of all materials in containers of 55 gallons or more in volume that hold a regulated substance (40 CFR 68 40 CFR302 and 40 CRF 355).
- g. A basic site map showing the proposed location for the 55 gallon or greater containers and identifying the inlets to sanitary, stormwater or wetlands that need to be protected.
- h. Containers greater than 55 gallons shall have a passive form of secondary containment (berms, diking, curbing, retention area) that will contain a release without active intervention.

7. A non-hazardous solid waste disposal plan identifying methods and locations for solid waste disposal including clearing debris and schedules for disposal. The non-hazardous solid waste disposal plan must describe the methods used to conduct and record Hazardous Waste Determinations that comply with 40 CFR 262.11 for all Solid Wastes generated by this contract.

- a. Identify any subcontractors responsible for the transportation and disposal of solid waste. Submit licenses or permits for solid waste disposal sites that are not a commercial operating facility.
- b. Evidence of the disposal facility's acceptance of solid waste must be attached to this plan during the construction. Attach a copy of each of the Non-hazardous Solid Waste Diversion Reports to the disposal plan. Submit the report for the previous quarter on the first working day after the first quarter that non-hazardous solid waste has been disposed of and/or diverted (e.g. the first working day of January, April, July, and October).
- c. Indicate in the report the total amount of waste generated, and total amount of waste diverted in cubic yards or tons along with the percentage that was diverted.
- d. A recycling and solid waste minimization plan with a list of measures to reduce consumption of energy and natural resources. Detail in the plan the Contractor's actions

to comply with and to participate in Federal, State, Regional, and local government sponsored recycling programs to reduce the volume of solid waste at the source.

8. An air pollution control plan detailing provisions to assure that dust, debris, materials, trash, etc., do not become airborne and travel off the project site.

9. A contaminant prevention plan that: identifies potentially hazardous substances to be used on the job site; identifies the intended actions to prevent the introduction of such materials into the air, water, or ground; and details provisions for compliance with Federal, State, and local laws and regulations for storage and handling of these materials.

4.3 Environmental Permits

Obtaining and complying with all environmental permits and commitments required by Federal, State, Regional, and local environmental laws and regulations is the Contractor's responsibility. The Contractor shall copy the 325 CES with any regulator correspondence, including all emails, phone calls, meetings, site visits, and inspections. All correspondence shall be summarized and provided to all parties via email. The Contractor shall be liable for any costs, assessments, fines, legal fees, etc., that may incur resulting from actions or responsibilities of the Contractor. All permit applications must be reviewed by the 325 CES prior to submittal and all applications must be signed by the 325 CES Commander.

4.4 Hazardous Waste

The Contractor shall identify, characterize, store and dispose of any hazardous waste generated during work in strict accordance with Federal and State guidelines found in the Code of Federal Regulations. The Contractor shall comply with all provisions of 40 CFR 260 through 281 regarding the generation, storage and disposal of hazardous waste. The Contractor shall be responsible for the proper disposal of all solid, liquid, and gaseous contaminants including asbestos in accordance with all applicable Federal, State, and Local codes and regulations. The Contractor shall not dispose of any waste or residual material on the ground or in any storm sewer or drainage system. This includes but is not limited to paints, coatings, solvents, petroleum products, etc. Waste material for disposal shall be disposed of in accordance with Federal and State waste regulations. If in doubt, consult with the Base Environmental Element through the Contracting Officer.

4.4.1 All hazardous waste shall be labeled, and an inventory management system will be initiated to insure timely removal and proper disposal. No on-base disposal will be allowed.

4.4.2 All drums will be labeled with a hazardous waste label. The label shall include the proper DOT shipping name, UN or NA, Environmental Protection Agency (EPA) waste number, generator information, and accumulation start date. The label shall be placed on the side of the drum.

4.4.3 All drums used to store hazardous waste shall be non-leaking and safe to handle. Contractor shall be responsible for over packing drums that are rusted, dented, or leaking. Drum and/or over packs shall be provided by the Contractor. All drums shall be “new” DOT approved containers.

4.4.4 The ninety (90) calendar day storage location for the hazardous waste drums shall be approved by 325 CES/CEIE prior to the generation of hazardous waste. The Contractor shall document inspection of drums for leaks daily or if not working in the area daily, then a weekly inspection will suffice. A copy of the inspection checklist shall be forwarded to 325CES/CEIE every Friday.

4.4.5 Hazardous waste transportation and disposal shall be coordinated through 325 CES/CEIE. The Contractor shall be responsible for transportation and disposal of all hazardous waste at an EPA approved treatment, storage, disposal facility (TSDF). The transportation and disposal facilities shall be approved by 325 CES/CEIE prior to their use. Manifests and waste profiles shall be signed by 325 CES/CEIE. Drums shall be disposed of within ninety (90) calendar days of placing the first drop container.

4.5 Waste Management

4.5.1 Covered Chutes

All chutes for refuse, and the like, shall be covered or of such a design to fully confine the material to prevent dust dissemination.

4.5.2 Burning

Burning of any type of materials will not be permitted to accomplish the work.

4.5.3 Lead Containing Materials

The Contractor shall not use paints or coatings containing lead in excess of 0.009 percent by weight of total non-volatile content in accordance with Title 16 of the Code of Federal Regulations, Part 1303. Paints or coatings within reach of children in housing, recreation, and public areas shall have zero lead content.

4.5.4 Asbestos Containing Materials

The Contractor and subcontractors are prohibited from using any Asbestos Containing Materials (ACM) on any assigned project. In the event the Contractor encounters previously unidentified ACM or suspected ACM during work, the Contractor shall take all necessary precautions to ensure the ACM is not disturbed. The Contractor shall immediately notify the 325 CES Project Manager and Contracting Officer and await further guidance. The Government will take steps, as necessary, to ascertain the material's composition and determine any necessary remedial action.

4.5.5 Hazardous Material Inventory and Tracking

A letter of review from 325 CES/CEIEC Must be accomplished prior to commencement of work on each task order. The contractor shall submit TAFB Form 81 (Contractor Questionnaire) and TAFB Form 82 (Chemical Inventory) if applicable (within 10 duty days after the Notice to Proceed is issued), for review. The Contractor should note that Tyndall AFB is required to report chemicals used such as (but not limited to) compressed gases, adhesives, aerosol cans, sealants, paints, lubricants, oils, cleaners, degreasers, pesticides, Fuels. Copies of manufacturer-specific Safety Data Sheets (SDS) must be attached to TAFB Form 82. These SDSs shall also be readily accessible at the location of each hazardous material. After submission, 325 CES/CEIE will notify the Project Manager and/or CONS of the reportable chemicals and of any special instructions. As directed by the CO, the Contractor is required to submit TAFB Form 83 (Reporting Entry Form) showing material usage monthly until completion of the task order. A letter from CEIEC will be accomplished with each submittal monthly and/or completion. The CO must be notified of any changes from the original submittal (i.e. new chemical is added, size of container or unit of issue changes or if the manufacturer changes), changes must be submitted using TAFB form 82. An up-dated letter of review indicating changes will be sent from CEIEC to the Contracting Office before the material can be brought onto the installation. Prime contractors shall be responsible for ensuring all subcontractors comply with this section.

4.5.6 The Contractor shall reimburse the Government for the cost of cleanup, remediation, and disposal of hazardous material released by the Contractor, including payment of any sampling and analysis in support of the cleanup operation and any civil or criminal fines, administrative penalties or investigative costs that might be imposed by a regulatory agency in response to a release or spill by the Contractor.

4.5.7 Waste Minimization

The Contractor will participate in pollution prevention/waste minimization initiatives if the Contractor reasonably expects to, or does:

- a. Generate more than 220 lbs of Hazardous Waste or 2.2 lbs of Acute Hazardous Waste per month and/or,
- b. Use more than 1/10 of the annual threshold of any Toxic Release Inventory Chemical per month.
- c. The Contractor will follow the waste hierarchy of reduce, reuse, & recycle prior to generation and disposal of waste products.

4.5.8 Non-Hazardous Solid Waste Diversion Reporting

The Contractor shall maintain an inventory of non-hazardous solid waste diversion and disposal of construction and demolition debris. The Contractor shall submit a report to 325 CES/CEIE through the Contracting Officer on the first business day after each fiscal year quarter, starting the first quarter that non-hazardous solid waste has been generated. The following shall be included in the report:

- a. Construction and Demolition (C&D) Debris Disposed, in thousands of pounds
- b. Non-C & D recycled items (i.e. cardboard, paper, metal, plastic, glass, etc.), in thousands of pounds

- c. Total C&D Debris Generated, in thousands of pounds.

4.5.9 Storage areas for material designated for reuse or recycling should be coordinated with the CES Program Manager and the 325 CES/CEIEC Solid Waste Manager. Any solid waste generated by the project is the responsibility of the contractor to dispose of outside the installation.

4.6 Air Quality

Equipment operation, activities, or processes performed by the Contractor shall be in accordance with all Federal, State, and Regional air authority air emission and performance laws and standards. Dust particles; aerosols; and gaseous by-products from construction activities; and processing, preparation and use of materials, such as from asphaltic batch plants; shall be controlled at all times, including weekends, holidays and hours when work is not in progress.

4.6.1 Prior to the start of the project, the Contractor will submit a listing of all stationary and mobile emission sources and associated criteria and hazardous air pollutants for each source. During the project, the list will be maintained by the Contractor, and updates submitted to 325 CES/CEIE as changes occur. At the end of the project and/or at the end of each calendar year the Contractor will submit a final air emission inventory. Emission Inventories will use emission factors identified by EPA and available at: <http://www.epa.gov/ttn/chief/index.html>. All other emission factors must be approved by 325 CES/CEIE. The emission inventory will identify total criteria and hazardous air pollutants released during the performance and/or during the previous calendar year of the project/contract as a minimum for the following activities, (the list of activities may be modified depending on the project):

- a. Abrasive Blasting
- b. External Combustion Sources
- c. Fuel Storage
- d. Solvent Cleaning
- e. Internal Combustion Engines
- f. Surface Coatings and Adhesives
- g. Wood Working
- h. Pavement and Road Construction/Repair Operations

4.6.2 Burning shall be prohibited on Government premises, unless approval is specifically granted by 325 CES/CEIE and 325 CES/CEF.

4.6.3 Fuel storage and refueling will not be allowed unless approval is specifically granted by 325 CES/CEIE.

4.7 Pesticides

All pesticide usage must be coordinated with the Base Entomologist (3-4358). Pesticides must be applied by certified personnel.

4.8 Petroleum, Oil, and Lubricants (POL)

Contractors with POL tanks must maintain a maintenance log, reconciliation records and also ensure secondary containment valves are closed. Employees must have proper training for spill cleanup and response. Contractor shall ensure all areas are free of spill residue. Tyndall AFB's Environmental Compliance POL/Tank Program Manager can be reached at 283-8096.

4.9 Recycling

Executive Order 12873 directs all Federal agencies to develop a strong recycling program. Aluminum, paper, and most metal scrap metal demolition debris must be recycled. If you have any questions on what Tyndall recycles, please contact (850) 283-CANS.

Salvageable goods shall be turned into the appropriate base agency. The Contractor shall separate and turn in recyclable materials to the 325th Services Squadron Recycling Facility, building 6035, in accordance with base policies. Precious scrap and waste metals (e.g. steel, iron, etc.) shall be recycled and/or disposed of in accordance with base policies.

4.10 Recording and Preserving Historical and Archaeological Finds

4.10.1 All items having any apparent historical or archeological interest, which are discovered in the course of any construction activities, shall be carefully preserved. The Contractor shall leave the archeological find undisturbed and shall immediately report the find to the Contracting Officer so that the proper authorities may be notified.

4.11 Wastewater

Disposal of wastewater will be as specified below:

4.11.1 Wastewater from construction activities, such as onsite material processing, concrete curing, foundation and concrete clean-up, water used in concrete trucks, forms, etc. will not be allowed to enter water ways or to be discharged prior to being treated to remove pollutants. Dispose of the construction related wastewater off-Government property in accordance with all Federal, State, Regional and Local laws and regulations.

4.11.2 For discharge of ground and/or surface water, the Contractor will obtain a State or Federal permit specifically for pumping and discharging ground water prior to surface discharging.

4.11.3 Water generated from the flushing of lines will be land applied in accordance with all Federal, State, and local laws and regulations for land application or discharged into the sanitary sewer with prior approval and/or notification to the 325 CES.

4.12 Stormwater

The contractor shall provide the stormwater treatment and attenuation design packages in concurrence with submittals. A complete package that has been sealed by a licensed Professional Engineer in the State of Florida (PE) must be provided with 65% design submittal. This design package includes all items needed to secure a Florida Department of Environmental Protection (FDEP) Environmental Resource Permit and meet stormwater requirements contained in applicable Unified Facilities Criteria (UFC). A design package shall contain all required information that includes but is not limited to topographic and specific purpose survey(s), geotechnical investigation and laboratory testing of soils and groundwater (encountered and seasonal high), details, engineering drawings, stormwater calculations, in accordance with FDEP ERP Handbook Volume I and II and applicable UFCs, analyses, location map, completed and sealed permit application. The contractor should include the appropriate fee with the design package. A copy of the permit shall be maintained on each job site. In accordance with the approved permit:

4.12.1 Form 62-330.350(1) Construction Commencement Notice must be submitted at least 48 hours prior to commencement of activity authorized by the permit.

4.12.2 Form 62-330.310(1) As-Built Certification and Request for Conversion to Operation Phase must be completed, signed and sealed by a licensed Professional Engineer in the State of Florida with as-built drawings meeting Tyndall AFB and FDEP requirements within 30 days after completion of construction.

4.12.3 Any substantial modification and/or changes to stormwater design shall require re-permitting, unless FDEP provides written approval otherwise.

4.12.4 The contractor shall provide at least one person on each land-disturbing project site who is certified in the *Florida Stormwater, Erosion, and Sedimentation Control Inspector Training and Certification Program*. This person will conduct and document site inspections weekly and after rainfall events according to DEP Document No. 62-621.300(4)(a), for land-disturbing projects 1 acre and over conducted within Tyndall's fence line. This inspection log shall be made available as needed to project managers, base environmental office or FDEP.

4.12.5 Per UFC 3-201-01, Section 3-3.2 the contractor is required to complete a Stormwater Pollution Prevention Plan (SWPPP) in accordance with the Florida Department of Environmental Protection (FDEP)/EPA standards. The FDEP has generated a template to be used (<https://floridadep.gov/sites/default/files/ConstructionSWPPP.pdf>). Work specific Best Management Practices (BMP's) shall be implemented prior to construction activities and maintained at all times during construction to prevent siltation and turbid discharges. Identify and cover Stormwater structures using protection devices before performing any work. The BMPs are to be installed along the perimeter of all work areas to prevent the displacement of fill material outside the work area into surface waters, stormwater inlets, etc. Immediately after completion of the final grading of the land surface, all slopes, land surfaces, and filled areas shall be stabilized using approved sod, seeding, degradable mats, staked hay bales, staked filter cloth,

barriers, turbidity screens, or a combination of similar stabilizing materials to prevent erosion. The erosion control measures shall remain in place and be maintained until all authorized work is completed and the work areas are stabilized and verified by USAF personnel.

4.12.6

4.13 Jurisdictional Waters which Include Wetlands

As part of the storm water treatment and attenuation design package, impacting jurisdictional waters may be required to accomplish task order. The contractor, as required, shall provide the supplemental information and data for obtaining approval and securing the required permit using the applicable FDEP Form 62- 330.060(1) A-H Joint Application for Environmental Resource Permit and U.S. Army Corps of Engineers form ENG 4345. The submittal package shall contain all required information that includes but is not limited to data, analysis, GIS maps, plans, surveys, calculations, reports, assessments, mitigation plan, and photographs. The contractor should include the appropriate fee with the design package. A copy of the permit shall be maintained on each job site.

4.14 Additional Utilities

An FDEP permit may be required for the installation, maintenance, repair, and removal of underground utility lines, cable, conduit, or pipeline transmitting electricity, communication signals, potable water, raw water, reclaimed water, domestic wastewater, propane gas or natural gas. 62-330.453 within the Florida Administrative Code dictates that a General Permit is needed for Installation, Maintenance, Repair, and Removal of Utility Lines that cross a regulated surface of the state. Ditches/swales may be considered a regulated surface water.

5.0 GENERAL REQUIREMENTS

5.1 Qualified Personnel

The Contractor shall ensure that only qualified, competent personnel carry out the tasks outlined in this SOW. Competent is defined as registered professional or, where registration is not applicable, trained, and/or certified in their respective field. Exceptions are administrative and support personnel who participate in document publication. To complete the requirements of this Design-Bid-Build effort, contractor must be sufficiently staffed to perform acceptably as the DOR.

5.1.1 Designer of Record

The professional registrations of other US States and territories shall be acceptable, in cases where the State of Florida has previously established regulatory reciprocity with those US States and territories for the purpose of officially recognizing those registrations. It shall be the responsibility of the Contractor to provide documentary evidence of professional registration, and State of Florida recognition of such registration, as applicable. The Contractor is advised that firms conducting professional engineering are required by state law to obtain a Florida

Engineering Certificate of Authorization. If applicable, this authorization shall be submitted along with the DOR's evidence of professional registration.

The PM who shall be a registered engineer or architect. This individual is responsible for overall integration of the contractor's team DORs' work. If the DOR is employed by the Contractor, that individual may also function as the Contractor's PM.

Final designs and As-built drawings shall be signed and marked with the official seal of the Designer. Along with any submitted final (100%) designs, the Designer shall also submit a signed and sealed letter, which shall serve as an affidavit that confirms that the design complies with all applicable laws and regulatory standards.

5.2 Kickoff Meeting

Contractor shall attend a kickoff meeting which shall include a site visit as described above. 325 CES will advise on local procedures, safety and security requirements, and project coordination activities. The meeting objective is to review project details, determine construction start date, security procedures for site, dumpster locations, and any applicable requirements during construction.

5.3 Facility Occupancy

The road and parking facilities covered by this contract are currently open to public and experiences low to moderate pedestrian and vehicle traffic. During the performance of this contract, non-work areas will remain functional to normal activities unless noted otherwise. Coordination will be required for personnel to relocate military vehicles/equipment from the work areas. The Contractor is responsible for all management of traffic (MOT) in the work areas for the duration of the performance period.

5.4 Security Procedures/Identification of Employees

The Contractor shall be responsible for obtaining security clearances and badges for each employee, and for requiring each employee engaged on the work to display identification as approved and directed by the CO and Security Forces. The contractor shall submit personnel background check applications for badging within fourteen (14) days after award. Badge processing typically requires fourteen (14) days to complete, and badges are issued to the applicant in-person at the Tyndall AFB Visitor's Center. During the performance of the contract, prescribed identification shall immediately be delivered to the CO for cancellation upon release of any employee. When required, the Contractor shall obtain and provide fingerprints of persons employed on the project. All Contractor and sub-contractor personnel shall wear identifying markings clearly defining the company for whom the employee works.

5.5 Employee Parking

Contractor employees shall park privately owned vehicles in an area designated by CES and approved by the CO.

5.6 Job Site Tools and Equipment

All hand tools and equipment shall be maintained in good working conditions and properly stored when not in use. Construction attire shall be in accordance with applicable OSHA regulations.

5.7 Notification Requirements

The Contractor shall notify the Government a minimum of ten (10) days in advance of mobilization. The Contractor is required to notify the (CO) and Government Project Manager of critical issues that may affect the contract performance and/or human health and the environment. For critical issues pertaining to human health and the environment, the Contractor shall immediately notify the CO and stop work. Work shall only resume at the direction of the CO following resolution of the issue.

5.8 Provided Utilities

The government will provide reasonably required utility connections, subject to discussion upon request. CES will provide a water source where available; most locations have a Fire Hydrant to use as an available source. To use the hydrant the contractor will need a fire hose, backflow preventer and valve to turn line off/on after backflow preventer. If water is not available contractor will need to provide a source to deliver water (truck/trailer). Truck/trailer may be filled from a hydrant on base.

5.9 Laydown Area

325 CES will identify a location on the jobsite, or in a Base Contractor staging area, where the Contractor may deliver non-hazardous materials within the installation.

5.10 Sanitation

The Contractor shall provide and maintain within the construction area minimum field-type sanitary facilities approved by the CO. Government toilet facilities will not be available to Contractor's personnel.

5.11 Clean Up

At the end of each working day the Contractor shall clean up the work site by the removal of all construction debris, waste materials, packaging material and the like. If the before mentioned items could become airborne, they shall be placed in refuse containers immediately. Clean up of the work site shall include the construction area(s), construction office area(s), material storage area (s), parking and eating area(s), and any other area(s) affected by the construction process. Any dirt or mud which is tracked on to any Base street, parking area, sidewalk, patio, or driveway shall be cleaned away daily. Materials resulting from demolition activities which are salvageable shall be stored within the work area or at a supplemental storage area. Stored material not in trailers, whether new or salvaged, shall be neatly stacked when stored in an approved location.

5.12 Contractor's Management and Use of Electromagnetic Emission Devices on Base

Including Electromagnetic emission devices include: Radio/Radar Transmitters; Navigational Aids/Instrumentations; Signaling, Intrusion Detecting, and Identification Devices; Mobile and Fixed Business Radio Communications Equipment; and MARS, CBs, and Amateur Radio Stations. The Contractor shall comply with the Air Force Military Training Center (AFMTC) Regulation 700-14, Jul 89.

5.13 Preparation of Progress Schedules and Reports

The reports contemplated by Clause 52.236-15, Schedules for Construction Contracts, shall be accomplished on and in accordance with instructions pertaining to AF Form 3064, Contract Progress Schedule, and AF Form 3065, Contract Progress Report. Contract Schedules and Reports shall run from Monday through Sunday and be submitted to the CO per Table of Deliverables.

5.14 Quality Control

The Contractor is responsible for quality control and shall establish and maintain an effective quality control system in compliance with FAR Clause 52.246-12, Inspection of Construction. The quality control system shall consist of plans, procedures, and organization necessary to manage all delivery orders to produce end products which comply with the contract requirements. The system shall cover all construction operations, both on site and off site, and shall be keyed to the proposed construction sequence. The Government will hold the project manager responsible for the quality of work on the job and is subject to removal by the (CO) for non-compliance with quality requirements specified in the contract.

5.14.1 Mandatory changes are identified by the COR and issued to the Contractor by the CO, when actual conditions found onsite are not compatible with the contract documents; obvious technical errors or omissions in the contract documents are the responsibility of the Contractor and shall be corrected at their expense.

5.15 Submittals

Requirements include efficient management of this contract including accurate, on-time submittals of contract deliverables and timely identification and solutions of impediments to successful project execution. The Contractor shall be responsible for all subcontracted work, resolution of issues and successful execution of this contract. Submittals required are shown in the following table. Descriptions of submittals not yet described elsewhere in SOW follow.

Submittal documents shall be submitted and distributed as shown in the Table of Submittal Documents below. The table shows major milestone documents and is not inclusive of all submittals required by the contract. Documents shall be submitted with AF Form 3000, Material Approval Submittal.

Submittal documents shall include required forms, reports, drawings, samples, pictures, media recordings, manufacturer data, certifications, test reports, equipment warranty information, and the like. Submittal documents shall be submitted by the Contractor to the by CO for approval.

All submitted documentation shall become the complete property of the Government. The Contractor shall not purchase, install, or construct any equipment or facility component, for which a submittal is required, without first obtaining an approved signed submittal from the CO. Required submittals shall be listed on AF Form 66, Schedule of Material Submittals, and/or a Submittal Register approved by the CO.

| TABLE OF SUBMITTALS | |
|---|--|
| Document Title | Delivery Date |
| Design Kick-Off Meeting | 7 calendar days after NTP |
| SWPPP | With 95% Design Submittal |
| Meeting Minutes | 2 calendar days after each meeting |
| Design Progress Report (AF 3065 or approved equivalent) | Once every 2 weeks |
| Monthly Status Report | 15 th of each month |
| 65% Design Submittal | 45 calendar days after NTP |
| Contractor response to 65% Review Comments | 7 calendar days after comment receipt |
| 95% Design Submittal | 21 calendar days after 65% Design comment receipt |
| Contractor Response to 95% Review Comments | 7 calendar days after comment receipt |
| 100% Design Submittal | 10 calendar days after Government Acceptance of 95% Design Submittal |
| Preliminary DD1354 Checklist | With 100% Design Submission |

5.15.1 Contract Progress Schedule (AF 3064)

The Contractor shall submit a signed AF 3064 (or approved equivalent), Contract Progress Schedule, depicting an overall contract progress schedule for the main elements of work for the period of performance as described in the Table of Deliverables. The schedule shall be in accordance with UFGS Section 01 32 01.00 10 and shall be provided in PDF and in P6 or equivalent. The schedule shall account for weather delays. The Contractor shall also provide a line graph depicting actual construction progress (solid line) versus scheduled construction progress (dotted line) throughout the period of performance. The progress schedule shall be signed by the either the COR or the government contract inspector recommending approval and approved by the CO. If the Contractor requires reimbursement of a high dollar value item, the item shall be identified on the AF 3065, an appropriate percentage applied, and the item must be received and stored on site.

5.15.2 Contract Progress Report (AF 3065)

The Contractor shall submit AF 3065 as described in the Table of Deliverables. This report shall be signed by the Contractor's on-site representative in the Remarks section of the AF 3065. The work elements and percentages of the total job identified on the AF 3065 shall be identical to the

work elements and percentages on the AF 3064. The Contractor shall obtain either the COR or the Government contract inspector's acceptance by signature of the actual reported progress prior to submission to the CO. Additionally, the Contractor shall submit the updated AF 3064 as an attachment to the AF 3065.

5.15.3 Construction Phasing Plan

The Contractor shall submit a Construction Phasing Plan a minimum of ten (10) days in advance of mobilization. The plan should define in detail work phasing intent of the Contractor with dates and duration for each phase of work. Note that the government anticipates that the work will be primarily continuous after mobilization and that portions of the work may be in progress simultaneously. As an example, milling operations may be underway at one location while paving operations are occurring at a previously milled location. This plan will be used as the basis for base populous notification and planning.

5.15.4 Government Review

5.15.4.1 The Government will review all design submittals for conformance with the requirements of the contract. Each submittal is to be complete and in sufficient detail to allow ready determination of compliance with contract requirements.

5.15.4.2 The Government's review is not to be considered a quality control review; the Contractor shall provide his own internal quality control as required by Contractor Design Quality Controls Plan before the design is submitted to the Government. The Government's review or acceptance does not relieve the Contractor of his responsibility to provide a safe, functional project in accordance with the terms of the contract.

5.15.4.3 If the Government's review results in comments, the Contractor shall respond to each comment with a response that clearly indicates what action will be taken. Comments that, in the Contractor's opinion, require effort outside the scope of the contract will be clearly indicated as such by the Contractor, and the issue shall be documented in writing then submitted to the CO for consideration and determination. The Contractor shall not proceed with work outside the contract as determined by the CO unless a modification to the contract is executed.

5.15.4.4 Approval is required for any proposed deviation from the accepted design. Failure to coordinate the approval of variations and deviations may result in the Government rejecting and requiring removal of work at no additional cost to the Government.

5.15.4.5 Per FAR 52.236-23, the Contractor and Designer of Record (DOR) shall be responsible for the professional quality, technical accuracy, and the coordination of all designs, and drawings, specifications, and other services furnished by the contractor. The government will review and accept the attached documents for technical compliance of the Contractor supplied Design Analysis/Bases-of-Design for conformance with the contract SOW, per FAR 52.236-21 Approval by the Contracting Officer shall not relieve the Contractor from

responsibility for any errors or omissions in such drawings, nor from responsibility for complying with the requirements of the contract. The contractor warrants to the government that the associated plans and specs are in complete compliance with the Design Analysis; as such the contractor owns all details of the design and is liable for any and all errors or omissions. It is the Contractor's responsibility to ensure all aspects of the design are in compliance with the Bases-of-Design and associated documents; continuous construction inspection is the responsibility of the Contractor. The government reserves the right to inspect and test any phase of work without relieving the Contractor of any responsibility for contract compliance.

5.15.4.6 Contractor Design Requirements after Award

Please note that the sole responsibility of ensuring that the design submittals comply with contract documents remains with the Contractor, in accordance with all the contract documents and design criteria referenced therein. The Government retains the right to comment on the design at any design stage, and the lack of Government comments at a given review cannot be used as a basis for the Contractor to fail to address the Government's comments on subsequent reviews, regardless of design stage. Furthermore, approval of incomplete designs will not relieve the Contractor of responsibility for any error that may exist, and which may require rework or other appropriate adjustment to the contract terms, as determined at the sole discretion of the Government.

5.15.4.6.1 Government review, clearance for construction, or approval by the Contracting Officer shall not relieve the Design Contractor from responsibility for any errors or omissions in such drawings, nor from responsibility for complying with the requirements of this contract.

5.15.4.6.2 Government review, clearance for construction, or approval of post design construction submittals shall not be construed as a complete check but will indicate only that the general method of construction, materials, detailing and other information are satisfactory.”

5.15.4.6.3 As the designer of record (DOR), contractor has the sole responsibility of ensuring that the design complies with the contract documents. In the event of errors or omissions, approval by the government or CO does not relieve the contractor of abiding by the contract documents.

5.15.5 Acceptance and Inspection

The Contractor shall invite the Project Manager, COR representative, Base Civil Engineer (BCE) representatives, CO and any other organizations interested in advance, to participate in all acceptance inspections. The PM will coordinate the final acceptance inspection with the Contractor.

5.15.5.1 Pre-Final Inspection

The Contractor shall conduct a pre-final walk-through inspection with Base personnel and publish the pre-final inspection findings in a pre-final inspection (punch list) report. The Government shall not add any additional punch list items after this list is created. The Contractor

shall include a draft DD Form 1354, Transfer and Acceptance of Real Property to the CO for review.

5.15.5.2 Final Inspection

The Contractor shall conduct a final inspection with base personnel and publish the findings in a final inspection report. The inspection shall concentrate on the items identified at the pre-final inspection and recorded in the pre-final inspection (punch list) report. The Contractor shall complete all inspection and commissioning requirements prior to final inspection. Following final inspection, the Contractor shall deliver to the Government the warrant documentation. The warranty shall be issued in accordance with FAR 52.246-21. A final inspection shall not be performed until the pre-final inspection (punch list) report has been resolved.

5.15.5.3 Real Property Acquisition Documentation

The Contractor shall complete the draft Interim DD Form 1354 Transfer and Acceptance of DoD Real Property provided by the Project Manager. Guidance for the DD Form 1354 is in UFC 1-300-08 *Criteria for Transfer and Acceptance of DoD Real Property*. Typical Contractor inputs to the DD Form 1354 include line-item costs and quantities. The Real Property office will assist the Contractor and Project Manager in completing the DD Form 1354 and identifying required supporting documentation.

6.0 GENERAL SAFETY REQUIREMENTS

6.1 Workplace

Provide a safe and healthy workplace for employees and the general public while performing the contract work.

6.2 Personal Protective Equipment (PPE)

Supply each employee with personal protective equipment. This equipment includes but is not limited to protection for the eyes, face, head, ears and extremities. Use the proper protective equipment for the work performed.

6.3 Roads

Obey the posted base speed limits. Wear Seat belts on base in accordance with AFI 91-207.

6.4 Accidents

Report Contractor accidents involving injury to Air Force personnel or damage to Government property to the Base Law Enforcement Desk and the CO.

6.5 Safety Regulations

Familiarize yourself and comply with the general safety requirements in accordance with DOL regulations, OSHA 29 CFR Part 1926, as well as applicable Air Force Office of Safety and Health (AFOSH) standards and Air Force Regulations (AFR). These standards and AFRs are available in the Wing Ground Safety Office, Building 662.

| STANDARD | SECTION | SUBJECT |
|-------------|------------|----------------------------|
| OSHA 1910 | .132 | PPE |
| OSHA 1910 | .215 | Explosives |
| AFM 91-201 | | Explosives Safety Standard |
| OSHA 1926 | Subpart H | Material Handling |
| OSHA 1926 | Subpart O | Mechanized Equipment |
| OSHA 1926 | Subpart Q | Concrete Forms |
| OSHA 1926 | .850 | Demolition |
| AFOSH 161-4 | | Asbestos and PPE |
| 1910 | .1001 | |
| 1926 | .58 | |
| AFOSH 91-4 | | Ladders |
| AFOSH 91-5 | | Welding, Cutting, Brazing |
| AFOSH 91-25 | | Confined Spaces |
| NEC | | Electrical Work |
| 1926 | Subpart P | Trenching |
| 1926 | .202, .203 | Barricades |
| AFOSH 91-25 | | Confined Space Entry |
| 1925 | .461 | Scaffolding |

6.6 OSHA Inspections

The Contractor shall be subject to no-notice inspections under OSHA program by inspectors of the Department of Labor.

6.7 Protection and Maintenance of Traffic

During construction the Contractor shall provide and maintain MOT equipment and personnel in accordance with FDOT standards to ensure the safety of pedestrians and vehicles. The Contractor shall maintain and protect traffic on all affected roads/pedestrian paths during the construction period except as otherwise specifically directed by the CO. Measures for the protection and diversion of traffic, including the provision of watchmen and flagmen, erection of barricades, placing of lights around and in front of equipment and the work, and the erection and maintenance of adequate warning, danger, and direction signs, shall be as required by the State and local authorities having jurisdiction. The traveling public shall be protected from damage to person and property. The Contractor's traffic on roads selected for hauling material to and from the site shall interfere as little as possible with public traffic. The Contractor shall investigate the adequacy of existing roads and the allowable load limit on these roads. The Contractor shall be responsible for the repair of any damage caused by construction operations.

6.8 Barricades

The Contractor shall erect and maintain temporary barricades to limit public access to hazardous areas as required by OSHA, Florida Department of Transportation, and/or like Agencies. Such

barricades shall be required whenever safe public access to paved areas such as roads, parking areas, sidewalks or other work areas are prevented by construction activities or as otherwise necessary to ensure the safety of both pedestrian and vehicular traffic. The minimum required number of barricades shall be securely placed in a neat and orderly fashion, clearly visible with adequate illumination to provide sufficient visual warning of the hazard during both day and night. Barricades shall be maintained in an orderly fashion during the duration of their placement.

6.9 Severe Weather

Upon receipt by the CO of a severe weather warning with anticipated winds of 35 knots or higher, the following sequence of actions shall be carried out:

1. The CO or the Program Manager/Inspector will notify the Contractor of the severe weather warning.
2. The CO or the Inspector will instruct the Contractor to secure all materials and equipment.
3. The Contractor shall take immediate action to tie down, remove, protect, and/or secure construction materials, equipment and refuse to the satisfaction of the Air Force Inspector in order to reasonably assure that Government property will not be damaged. If the Contractor fails or refuses to secure materials and equipment to the satisfaction of the Air Force Inspector, the work will be accomplished by Air Force personnel and the cost thereof charged to the Contractor.

Contractor must be prepared for lightning events and are required to have a written Emergency Action Plan as outlined in 29 CFR 1910.38 and/or 1926.35. Contractor will abide by safety guidelines from the NOAA and National Lightning Safety Institute listed at lightningsafety.com, including avoiding water, high ground, open spaces, sheltering under trees, doors and windows, electronics, and contact to other people. Activities must be suspended until at least thirty minutes after the last observed lightning or thunder.

6.10 Fire Regulations and Preventative Practices

The Contractor shall comply with fire prevention practices as set forth by the National Fire Protection Association (NFPA), other recognized fire prevention agencies, and base regulations.

6.11 Explosive Operated Hand Tools

The Contractor shall comply with OSHA Standard 1910.215(c) when utilizing explosive operated hand tools. Storage of explosive cartridges on the installation shall be in metal containers and limited to one day's supply. The Contractor shall provide adequate controls to prevent loss/theft of cartridges used and stored on the installation.

6.12 Welding

Welding shall not be performed without first obtaining a welding permit issued by the Base Fire Department.

7.1 Tyndall AFB observes the following Federal Legal Holidays;

| | |
|-----------------------------|------------------------|
| New Year Day | 1 Jan |
| Martin Luther King Birthday | Third Monday in Jan |
| Presidents Day | Third Monday in Feb |
| Memorial Day | Last Monday in May |
| Juneteenth | 19 June |
| Independence Day | 4 July |
| Labor Day | First Monday in Sep |
| Columbus Day | Second Monday in Oct |
| Veterans Day | Second Monday in Nov |
| Thanksgiving Day | Fourth Thursday in Nov |
| Christmas Day | 25 Dec |

7.2 The normal duty hours of the facility are from 6:00 AM to 5:00 PM, Monday through Friday excluding Federal Holidays. All work shall be performed during normal duty hours. All other hours to include weekend and holidays shall be requested through the CO for approval. This request shall be submitted no less than three (3) workdays prior to the time requested.

8.0 CONTRACT ADMINISTRATION / POINTS OF CONTACT

Contracting Officer (CO), the term used herein, does not include any representative not acting within the scope of his/her authority. Notwithstanding any of the provisions of this contract, the CO shall be the only individual authorized to in any way amend or modify the terms of this contract.

8.1 The Contracting Officer will be assigned upon contract award.

8.2 The Inspector will be assigned upon contract award. This person will be the government's frequently on-site representative.

8.3 The Project Manager/ for this contract is Jeremy Pagoada, 325 CES/CENM.

Appendices:

Appendix A – Location Map and Existing Site Photos

Appendix B – Example Submittal Register

Appendix C – Tyndall AFB IFS Exterior Finish Palettes
Appendix D – Tyndall AFB IFS Wind Speed Memorandum
Appendix E – GCEC Private Utility Standards
Appendix F – 015719 Temporary Environmental Controls, Tyndall AFB
Appendix G – Environmental Supplemental Guidance
Appendix H – Hazardous Material AF Forms 81, 82, 83
Appendix I – Tyndall AFB IFS Flood Memorandum
Appendix K – Completed AF Form 813