STATEMENT OF WORK

Version 5.1

KYJM 23-9002 Repair and Upgrade RV Parking Lot
May 27, 2026

1. SCOPE:

1.1 General: The work covered by this contract consists of, but is not limited to, the furnishing of all plant, labor, services, tools, materials, equipment, transportation, supervision and all miscellaneous requirements needed to perform all operations in conjunction with the effort to accomplish the Scope of Work below. All work shall be done in conformance with applicable sections of the attached Environmental Protection Specification**,** the project specifications, the proposed layout plan drawing, record drawing sheets, Federal, State and Miami-Dade Department of Environmental Management (DERM) codes and regulations, OSHA and the USACE Army Corp of Engineers Safety Manual EM 385-1-1 requirements. The term, Contractor, shall be interpreted to mean the prime contractor and all its subcontractors. The term, Contracting Officer, shall mean the Contracting Officer and/or designated representatives. The prime contractor shall maintain project management and site supervise 100% of sub-contractor work. There shall be at least one English speaking supervisor at the work site while work is being performed.

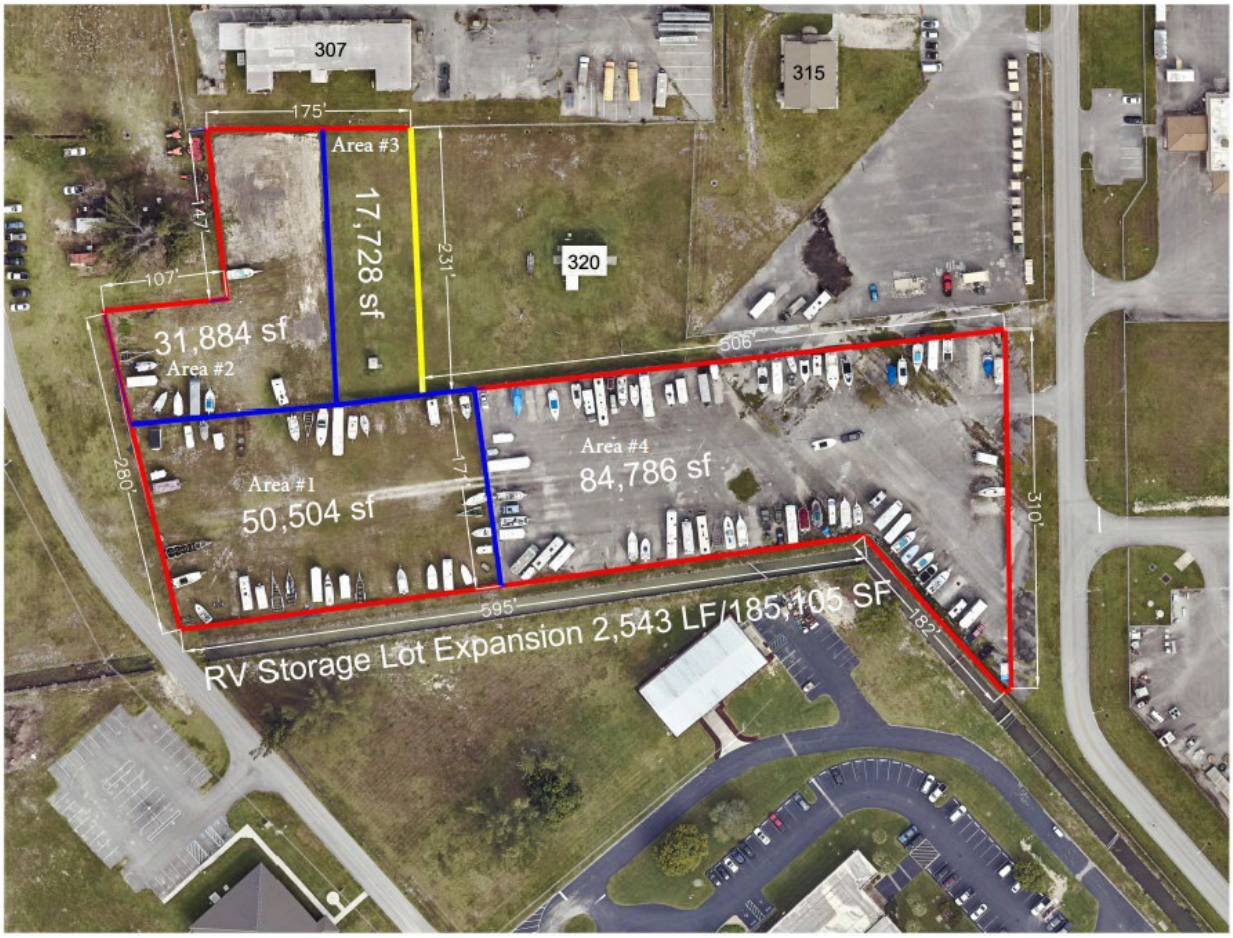
1.2 Description of Work: Work to be performed: 1) The project is a design-build contract. The Contractor shall provide type A and B services to prepare and complete construction documents consisting of contract drawings, technical MS Word specifications edited from UFGS guide specifications issued on 4/19/06 or latest, design analysis at ***HOMESTEAD ARB, FLORIDA***. 2) The Contractor shall provide all labor, materials, and equipment to install, construct, and complete the work planned in accordance with sections 2 and 3 of this Statement of Work. The project will include clearing, and grubbing of the site, filling, regrading to provide proper drainage to build up a 2.5" thick approx. 9,200 SY asphalt cement pavement area for the expanded RV Parking Lot. Project also includes, storm drainage, site improvements and landscaping.

1.2.1 SOW for Design

The contractor design shall incorporate all necessary surveys, geotechnical studies, calculations, demolition, alterations, repairs, new installations, tests and certifications required to perform:

1.2.1.1 The Government will remove all equipment prior to the Contractor beginning construction work on the project. The Contractor shall exercise extreme caution to protect any existing in-ground utilities (i.e., monitoring wells, manholes, handholes, etc.) The Contractor will be required to elevate these as necessary to the new finish surface pavement elevation. However, we have no reason to believe that any of these are in this area.

1.2.1.2 Photo:



A1 and A2 = 82,388SF or 1.89 Acres

1.2.1.3 **Civil/Architectural Area #1 & Area #2:**

1.2.1.3.1 This project shall comply with National Pollutant Discharge Elimination System (NPDES) for regulated construction sites (1-acre or more) in the State of Florida. Provide the Name and signature of a storm water professional that is authorized to sign a storm water plan for a NPDES to prepare the Plan and oversee the implementation of the Plan. This includes the opening and closing of all permits and all related reporting activities.

1.2.1.3.2 Provide site, topographic, utility, landscape and soil surveys. Furnish all labor, materials, equipment, services and data necessary in preparing the survey IAW the specifications and beyond the limits of the area indicated on the sketch in order to ensure proper stormwater management design. The survey drawings shall have the

Engineer official seal and certification that all information indicated on the drawings was obtained or verified by actual in field measurements.

1.2.1.3.3 Soil Survey: Provide geotechnical soil investigation of surface and subsurface, to determine earthwork handling techniques such as benching, compaction and erosion. Selection of pavement types and cross sections. Selection of soil amendments. (See UFC3-220-01).

1.2.1.3.4 Subsurface Exploration: Conduct subsurface explorations to test each type of soil present.

1.2.1.3.5 Repair and upgrade unpaved areas of RV parking lot. Remove sod/topsoil & replace sections of base course as indicated in the geotechnical report.

1.2.1.3.6 Install drainage system as required for proper drainage for a parking area of this size to prevent ponding or flooding.

1.2.1.3.7 Add good quality base course re-shape, re-grade, re-slope and compact base materials as required. IAW Geotechnical reports developed in section 1.2.1.3.3 & 1.2.1.3.4 above.

1.2.1.3.8 Construct 2.5” thick section of Asphalt Cement pavement.

1.2.1.3.9 Clean up and re-stripe areas as indicated in your design and coordinated user requirement.

1.2.1.4 Civil/Architectural Area #3: 17,728SF

1.2.1.4.1 Provide complete design package for Area #3 as required in section 1.2.1 above.

The contractor shall provide 35%, 65%, 95%, 100% and final design. Period of performance for the 35%, 65% and 95% design phase shall be 15 calendar days each after the contractor receives comments from the government. The contractor shall provide the final design to the government within 14 calendar days of receiving the government’s comments. The contractor shall submit five hard copies of the document and CD in AutoCAD 2018 or more recent for each Phase of design.

The contractor shall provide at minimum architectural, civil, structural, drawings and calculations. Architectural drawings shall be designed, signed and sealed by a licensed Architect. Civil, structural, drawings/calculations shall be designed, signed and sealed by a Florida State license professional engineer.

Codes and Standards

References: As a minimum project design will comply with the Air Force Reserve Command and Base design guidance. Technical references consulted in preparation of this document include:

- AASHTO – A Policy on Geometric Design of Highways and Streets, AASHTO, 2004
- ADA and ABA Accessibility Guidelines for Buildings and Facilities ADAAG and BAG – latest edition
- AFM 32-1084 – Civil Engineering Facility Requirements
- ANSI 260.1 – American Standard for Nursery Stock
- EISA Section 438 – Technical Guidance on Implementing the Stormwater Runoff Requirements for Federal Projects
- EM 1110-1-1005 – Control and Topographic Survey
- EM 1110-1-1002 – Survey Markers and Monumentations
- FAA AC 150/5200-33B – Advisory Circular: Hazardous Wildlife Attractants on or near Airports
- FDEP – Florida Department of Environmental Protection
- GBCI GP Assessment – Guiding Principals Assessment by GBCI (DOD Version)
- (SDDCTEA) Pamphlet 55-17 Better Military Traffic Engineering – Military Surface Deployment and Distribution Command, Transportation Engineering Agency
- MUTCD – manual on Uniform Traffic Control Devices
- NPDES – National Pollutant Discharge Elimination System for Construction Activites
- Title 14 CFR – Code for Federal Regulations Objects Affecting the Navigable Airspace
- TM 5-822-2/AFM 88-7 Chapter 5 – General Provisions and Geometric Design for Roads, Streets, Walks, and Open Storage Areas
- UFC 3-201-01 – Civil Engineering
- UFC 3-201-02 – Landscape Architecture
- UFC 3-210-10 – Low Impact Development
- UFC 3-220-01 – Geotechnical Engineering
- UFC 3-250-01 – Pavement Design for Roads and Parking Areas
- UFC 3-250-04 – Standard Practice for Concrete Pavements
- UFC 3-250-08FA – Standard Practice for Sealing Joints and Crack in Rigid and Flexible Pavements
- UFC 4-750-02N – Design: Outdoor Sports and Recreation Facilities
- 2003 International Building Code
- South Florida Building Code
- Any other applicable Federal or local regulation

NOTE: For additional information on the above bullets see section 1.2.1 of this SOW.

2. REFERENCES:

References: As a minimum project design will comply with the Air Force Reserve Command and Base design guidance. Technical references consulted in preparation of this document include:

Construction and Materials

References for construction and materials are listed in the various UFGS, Divisions 00 through 33 (project is not limited to those specs listed below. Designer of Record must use these specs or most current in preparation of the contract design package).

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS
00 80 00.00 06 SPECIAL CLAUSES
DIVISION 01 - GENERAL REQUIREMENTS
01 11 00.00 40 SUMMARY OF WORK
01 32 01.00 06 PROJECT SCHEDULE
01 33 00.00 06 SUBMITTAL PROCEDURES
01 35 29.00 06 SAFETY AND OCCUPATIONAL HEALTH REQUIREMENTS
01 42 00 SOURCES FOR REFERENCE PUBLICATIONS
01 45 02.00 10 QUALITY CONTROL SYSTEM (QCS)
01 45 04.10 06 CONTRACTOR QUALITY CONTROL
01 50 02.00 10 TEMPORARY CONSTRUCTION FACILITIES
01 57 20.00 10 ENVIRONMENTAL PROTECTION
01 57 23.00 10 STORM WATER POLLUTION PREVENTION MEASURES
01 62 35 RECYCLED / RECOVERED MATERIALS
01 74 19 CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT
01 78 23.00 06 EQUIPMENT OPERATING, MAINTENANCE, AND REPAIR MANUALS
DIVISION 02 - EXISTING CONDITIONS
02 41 00 DEMOLITIONMATERIALS
DIVISION 03 – CONCRETE
03 30 00 CAST-IN-PLACE CONCRETE
03 11 13.00 10 STRUCTURAL CONCRETE FORMWORK
03 15 13.00 10 EXPANSION JOINTS, CONTRACTION JOINTS, AND WATERSTOPS
03 20 01.00 10 CONCRETE REINFORCEMENT
03 31 00.00 10 CAST-IN-PLACE STRUCTURAL CONCRETE
03 41 33.00 10 PRECAST/PRESTRESSED CONCRETE FLOOR AND ROOF UNITS
DIVISION 04 - MASONRY
04 20 00 MASONRY
DIVISION 31 – EARTHWORK
31 00 00 EARTHWORK
31 05 19 GEOTEXTILE
31 11 00 CLEARING AND GRUBBING
31 23 00.00 20 EXCAVATION AND FILL

DIVISION 32 - EXTERIOR IMPROVEMENTS
32 01 19 JOINT SEALANT
32 05 33 LANDSCAPE ESTABLISHMENT
32 11 23 AGGREGATE BASE COURSES
32 11 23.23 BASE COURSE DRAINAGE LAYERS
32 11 24 GRADED CRUSHED AGGREGATE BASE COURSE FOR FLEXIBLE PAVEMENT
32 12 13 BITUMINOUS TACK AND PRIME COATS
32 12 16 HOT-MIX ASPHALT (HMA) FOR ROADS
32 12 17 HOT MIX BITUMINOUS PAVEMENT
32 16 19 CONCRETE SIDEWALKS, CURBS AND GUTTERS
32 17 23 PAVEMENT MARKINGS
32 92 23 SODDING
DIVISION 33 - UTILITIES
33 11 00 WATER DISTRIBUTION
33 30 00 SANITARY SEWERS
33 40 01 STORM DRAINAGE
33 61 00 PREFABRICATED UNDERGROUND COOLING DISTRIBUTION SYSTEM
33 71 02.00 20 UNDERGROUND TRANSMISSION AND DISTRIBUTION
33 82 00 TELECOMMUNICATIONS OUTSIDE PLANT (OSP)

3. SCOPE

3.1 **Management Objectives:**

3.1.1 Site Survey: The Contractor shall perform site survey to confirm information pertaining to the project under this task order and shall provide all plans, labor, equipment, and materials necessary to support all work under this task order. The Contractor shall contract professional Geotechnical services to perform all necessary ground sampling and testing to determine the levels of materials to be remove/replace and compact in order to properly design and construct this new area of the RV Parking lot. The Contractor as the Architect-Engineer of Record for any changes to the existing design shall complete development of plans and specifications in accordance with defined levels of effort necessary to construct the project and provide as-built drawings (both electronically, AutoCAD and in hard copy) for retention by the Government.

3.1.2 Base Regulations: Contractor shall conform to all base regulations and directives pertaining to security, safety, fire, traffic, and personnel clearance, in so far as they pertain to the Contractors activities on ***HOMESTEAD ARB, FLORIDA***. The Contractor shall ensure conformance by all employees. Contractor will fully comply with base regulations, including, but not limited to, the base policy restricting and controlling photography and the restrictions and requirements related to crossing an active taxiway.

3.2 Background and Concept:

3.2.1 Requirement: Modify the existing RV storage lot, as described by paragraph 1.2.1 "SOW for Design" and execute construction of the approved design. The contractor

shall provide all management, engineering, design, AutoCAD design drawings, AutoCAD As-Built drawings, specifications, programming, work phasing, scheduling, plans, tools, supplies, equipment, and labor necessary to complete project KYJM 23-9002 at Homestead ARB, Florida. The work shall be provided in accordance with applicable codes, regulatory guidance, the Florida Building Code, Department of Defense UFCs, Air Force ETLs.

3.2.2 Design-Build: D-B has two phases; the Design Phase and the Construction Phase. Under this task order all of the concept definition work is complete.

3.2.2.1 Design: For any changes made to project information in the form of site plans, specification and other construction information, the Contractor shall be solely responsible for the survey verification and validation, coordination of existing conditions in parallel with proposed requirements, above and below-grade condition assessment, and budget verification that pertains to those changes. Prior to beginning onsite construction, the Contractor will initiate the Construction Phase by completing project working drawings and the various plans and schedules, including a construction schedule. Drawings and specifications shall comply with codes, laws and this statement of work. The Contractor shall be responsible for implementation, coordination, and execution of all regulatory reviews, ensure technical adequacy of the final design, and provide quality control of all Phases of the task order.

Design Task 1: Site Visit/Kickoff: The Contractor shall thoroughly review the contract requirements (Contract Design Requirements Document construction/installation for the Repair & Upgrade RV Storage Lot and pertinent attachments in order to generate a list of questions and objectives BEFORE making a site visit to gather data and clarify requirements.

Design Task 2: Contractor shall utilize the site visit assessment findings and verification to produce a brief work plan and schedule and submit it for government review.

Design Task 3 (Design stages; 35, 65%, 95%, 100% and final design): Contractor shall allow a review period of ten (10 business days) between each design phase for government review. At each design stage, design review comments shall be obtained and recorded by Contractor from all individuals. For Phase I, 35% design, Contractor shall utilize information and Statement of Work to produce 35% design. The 35% design shall consist of draft outline; specifications, construction statement of work, drawings, electrical, mechanical and structural details and identify critical phases of the construction. Contractor shall prepare a detailed government estimate of proposed construction work (REF AF FORM 3052). Contractor shall prepare and complete specifications for proposed work accompanied by half-size drawings. Contractor shall note and make corrections/changes identified in the 35% Design meeting. Upon government acceptance of 35% design, the Contractor shall proceed with Phase II 65% design**.** For Phase II, 65% and 95% pre-final, Contractor shall complete design to the appropriate status. Only minor changes shall be made at the 95%

design stage. Upon government acceptance of 65% and 95% design, the Contractor shall proceed with Phase III 100% Design. For Phase III, 100% Design**,** the Contractor shall provide a 100% design package consisting of all drawings and design package documents, to include specifications with all identified changes completed. Upon government acceptance of the 100% Design submission, a Final Design shall be provided by the Contractor. The Final Design package shall consist of all drawings and design package documents, to include specifications with all identified changes completed. Drawings shall be Engineer stamped, dated, and signed.

3.2.2.1.1 **Design Documents:** The text for delivered documents shall be prepared on standard letter size paper (8.5" x 11"). Attachments shall be fully identified, referenced in the text and folded to conform to the size paper used in the report. All documents will be produced both electronically and hard copy and will become property of the U.S. Air Force upon completion of the design. The Contractor shall also deliver copies of any specifications, reports, etc. using Microsoft Office on compatible program media version to the base POC. The Contractor shall deliver copies of drawings using AutoCAD 2018 or more recent format. The Contractor will only be required to deliver no more than five hard copies of the reports and document for each design Phase to the Base POC and provide one CD.

3.2.2.2 Construction: Upon the approval of the Final Design plans and specifications, the Contractor may commence onsite construction activities. During the Construction Phase, construction, and the delivery and warranting of the project/facility take place. See paragraph 6.5.2 for Construction Phase tasks.

3.2.2.2.1 **On-Site Field Oversight:** The Contractor shall provide the manpower, equipment, material, services, and transportation necessary to ensure oversight services throughout accomplishment of this design/build task order. The Government will provide on-going surveillance and submittal approval recommendations. The designated representative of the Government will report all findings to the CO.

3.2.2.2.2 **Pre-Final Inspection:** The Contractor shall conduct a pre-final walk-through inspection and publish the pre-final inspection findings in a Pre-Final inspection report. CE and CO should be present at pre-final inspection. The Contractor shall include a draft DD Form 1354, Transfer and Acceptance of Real Property to the Base Civil Engineer (BCE) for review. The Contractor shall include all O&M manuals, operating instructions, and test reports for review. The Contractor shall provide training to base personnel by manufacturer's representatives, as required.

3.2.2.2.3 **Final Inspection:** The Contractor shall conduct a final inspection 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 report. The Final Inspection Report shall also certify that all items of the design have been implemented and that the construction is complete. The Final Inspection Report shall also include as-built drawings and specifications verifying that all development standards have been met. At the final inspection, the Contractor shall present a completed DD Form 1354, Transfer and Acceptance of Real Property to the (BCE) for signature and acceptance.

3.2.2.2.4 **Delivery/Warranty:** The Contractor shall complete all inspection and commissioning requirements prior to final inspection. Following final inspection, the Contractor shall deliver to the Government the as-built drawings in the format and media as required by the task order. The warranty shall be issued in accordance with FAR 52.246-21. Extended warranties offered by the Contractor and its subcontractors or suppliers may be accepted by the Government at its discretion.

4.0 **APPLICABLE DOCUMENTS:**

The Contractor shall identify and comply with all applicable federal, state, and local statutes; Air Force/Military Instructions, manuals, handbooks, regulations, guidance, and policy letters; Executive Orders (ESO); National Fire Protection (NFPA); Engineering Technical Letters (ETL); as applicable the Unified Facility Guide Specifications (UFGS), and in SOW including all changes and amendments in effect on the date of issuance of this TO. In addition, the Contractor shall refer to the current version of the USAF Project Manager's Guide For Design and Construction, and Guidance for Contract Deliverables (GCD), current version.

5.0 ADMINISTRATIVE:

5.1 Meetings, Conferences, Site Visits:

5.1.1 Post Award Meeting/Teleconference, Progress Meetings & Design Integration Meetings: After the issuance of a contract, the Contractor shall attend meetings at project site, ***HOMESTEAD ARB, FLORIDA***. The purpose of these meetings includes, but is not limited to contract discussions, progress reviews, project scoping, planning, design reviews, project status, and the general exchange of information concerning current and future activities. All meetings except 100% design shall be held at ***HOMESTEAD ARB, FLORIDA***. The Contractor shall coordinate each meeting with all individuals listed in section 9.2. Contractor shall schedule Design Phase review meetings within five (5) days of receipt of government comments. The Contractor shall record and provide copies of all meeting minutes no later than two (2) business days after the meeting. Minutes shall be sent by email to each individual in section 9.2.

5.1.1.1 Meeting #1, Site Visit/kickoff: The Contractor shall coordinate the site visit to be held at ***HOMESTEAD ARB, FLORIDA,*** with all parties identified in section 9.2 of this SOW within five (5) business days from award date. Contractor

shall collect or request all information necessary (i.e. drawings, etc.) to accomplish 35% design.

5.1.1.2 Meeting #2, 35% Design: Contractor shall schedule/coordinate 35% design review meeting with all POC's listed in section 9.2, prior to close of site visit meeting.

5.1.1.3 Meeting #3, 65% and 95% Pre-final Design Review: Contractor shall coordinate 65% and 95% design meeting with all POC's listed in section 9.2, no later than five (5) business days after receipt of 35% design government review comments.

5.1.1.4 Meeting #4, 100% Design Telecon: Contractor shall coordinate a telecon with all parties identified in section 9.2 of this SOW.

5.1.1.5 Meeting #5, Final Design: Contractor shall coordinate a telecon with all parties identified in section 9.2 of this SOW.

5.1.2 Meeting Minutes: The Contractor shall prepare and publish all meeting minutes no later than 2 business days after the meeting for CO/CE approval, the minutes after approval, track all action items assigned, and shall document all items discussed at a meeting as well as a meeting's attendees. Minutes shall be sent by email to each individual in section 9.2

5.1.3 Base Access: The Contractor shall coordinate with the Contract Officer to gain access to areas of the installation involving this project. The Contractor shall follow all base rules and regulations regarding entry and access to base. Contractor shall have in possession all applicable identification documents prior to arrival. The Contractor is encouraged to perform background checks on personnel before submission to the government; the government is not responsible for consequences of contractor personnel failing to pass base security criteria.

5.2 **Work Site Requirements:**

5.2.1 Safety Requirements: The Contractor shall conduct its operations in accordance with FAR Part 52.236-13 and Alternate 1.

5.2.2 Work Sequencing and Proposal Information: The contractor shall provide the government a minimum of two weeks' notice before making any portion of the facility inaccessible for use. Construction work in the facilities may need to be phased to accommodate mission requirements. The government will provide its known phasing requirements early in the design phase, but facility availability may change based on real world situation. Work will need to be closely coordinated with facility users.

5.2.3 Working Hours: The normal hours of work at HARB are from 0730 to 1630 hours, Monday through Friday, excluding holidays. Access to work sites may be restricted to these hours and days. All other hours shall be considered non-regular time and must be requested in writing to the Contracting Office 72 hours in advanced. Work that requires inspection during accomplishment or that prevents inspection of previous work after accomplishment during normal hours must be coordinated in advance with the contracting office.

5.2.4 Notification Responsibilities: The contractor shall notify HARB/CEC, via phone or E-mail, a minimum of 24 hours in advanced of: (1) initially starting work or starting work after a multi-workday pause, (2) ceasing work for a multi-workday pause, and (3) deliveries of major materials or equipment.

5.2.5 Contractor Qualifications: Contractor personnel will posses any certifications required by federal, state and local regulations to perform the work. Copies of these certifications may be required at the discretion of the contracting office.

5.2.6 Storage: The Contractor shall conduct its operations in accordance with FAR Part 52.236-10.

5.2.7 Security: The Contractor shall obtain and monitor security badges used by its own staff and Subcontractors during the duration of this contract.

5.2.8 Excavation Permit: The Contractor shall obtain excavation permits (AF Form 103, Base Civil Engineering Work Clearance Request) prior to any excavation. The permit shall be obtained from the Engineering Flight, 482 MSG/CEC, Bldg. 232. Permit request should be made at least 10 business days before the start of excavation. The excavation permit shall be created and processed in accordance with AFR 85-2. Should any one of the coordination points indicate an additional underground utility or structure over and above those shown on the contract drawing either by sketch on the permit's drawing or by field pointing or by flagging, the Contractor shall be responsible for protection of each of the items indicated. Should damage occur to any of the items indicated by the Contractor, contract drawings or coordinating agency to the permit, the Contractor shall be responsible for prompt repair of the damage to return the item to its original workable condition. It is required that the operator of excavation equipment have the permit (or copy) in his possession while excavating. The Contractor is responsible for initiating the permit renewal process if required.

5.2.9 Utility Outage: The contractor shall request in writing and get approval for any utility outage. A minimum of fifteen (15) working days is required to process utility outage request. The contractor shall allow the telephone company and communication personnel access to the systems required. If damage by construction activities occurs, the contractor shall restore service within 24 hours with no cost to the government.

5.2.10 Environmental Specification: The contractor shall abide by the Environmental Protection Specification (attached) which shall also negate the need for the design-build contractor in developing their own environmental specification.

5.2.11 Site Supervisor: The job foreman or site superintendent shall be on site daily when work is being accomplished; and shall be conversant in English.

5.2.12 Submittals: Submittals will be required on all materials used under each project. Each submittal shall include information as describe in the technical specifications. Once an item of material or equipment has been approved, the contractor will not be required to re-submit with the following exception: If, at any time during the duration of this contract, the contractor desires to change materials from those originally approved, his new materials shall be resubmitted to and approved by the Contracting Officer prior to incorporation into the project.

5.2.13 Dust Protection: This specification covers the protection of work areas by the furnishing and installation of a temporary framework covered by polyethylene sheeting around the area where work is being performed or around the area that requires protection.

5.2.14 Waste Stream Handling:

Salvageable materials: All materials not reused in the project according to the applicable drawings or as specified herein, will be designated as either salvageable or unsalvageable by the Contracting Officer.
Salvageable materials shall remain the property of the government and shall be disposed of by the Contractor as directed by the Contracting Officer. Materials to be removed shall be removed without damage to adjacent areas. All damage resulting from removal shall be repaired by the Contractor at no cost to the government with materials of like nature, type, and construction as were damaged or with materials to match existing adjacent areas.

Unsalvageable materials shall be considered Construction and Demolition Wastes.

Recycling, construction & demolition wastes: The Contractor shall separate and handle all hazardous wastes according to the Environmental Protection Statement. All remaining non-hazardous and non-water soluble waste shall be considered construction and demolition (C&D) waste. The Contractor shall contact the base Civil Engineering Environmental Flight recycling program manager for disposition of potentially recyclable materials. The Contractor will then be responsible for providing recycling containers and contacting the recommended agencies for pickup or delivery. The Contractor will provide the Environmental Flight with receipts showing the disposition of recyclables to include weights, dates received and signatures of the accepting organization.

Recyclables: Recyclables include all materials classified as "construction and demolition debris" by Florida Administrative Code 62-701.200 (27): "Construction and Demolition Debris" means discarded materials generally considered to be not water soluble and non-hazardous in nature, including but not limited to steel, glass, brick, concrete, asphalt material, pipe, gypsum wallboard, and lumber, from the construction or destruction of a structure as part of a construction or demolition project or from the renovation of a structure, including such debris from construction of structures at a site remote from the construction or demolition project site. The term includes rocks, soils, tree remains, trees, and other vegetative matter which normally results from land clearing or land development operations for a construction project; clean cardboard, paper, plastic, wood, and metal scraps from a construction project; effective January 1, 1997, except as provided in Section 403.707(13)(j), F.S., unpainted, non-treated wood scraps from facilities manufacturing materials used for construction of structures or their components and unpainted, non-treated wood pallets provided the wood scraps and pallets are separated from other solid waste where generated and the generator of such wood scraps or pallets implements reasonable practices of the generating industry to minimize the commingling of wood scraps or pallets with other solid waste; and to minimize amounts of other nonhazardous wastes that are generated at construction or demolition projects, provided such amounts are consistent with best management practices of the construction and demolition industries. Mixing of construction and demolition debris with other types of solid waste will cause it to be classified as other than construction and demolition debris.

Non-recyclables: In the event that the waste cannot be recycled, the waste becomes the property of the Contractor and may be disposed in accordance with all applicable state, federal and local statutes, regulations, and executive orders in effect at the time of disposal.

6.0 GENERAL TASKINGS:

6.1 Concept Definition/Design: Not applicable to this TO.

6.2 Technical Services: The Contractor is the "Architect of Record" for any changes made to the existing design and, as such, will sign and seal all completed design documents and any designs for modifications. The Contractor is accountable for all aspects of the completed design under Federal, Department of Defense, Air Force, State and applicable local laws.

6.4 Quality Control (QC) Oversight: The Contractor shall plan and/or develop QC procedures for the task order and submit for Government approval.

6.4 Design-Build (D-B) Construction: The Contractor shall manage and perform D-B construction work as defined in the task order. The following are typical D-B construction task order requirements: completion of working drawings, permitting, construction, construction management, scheduling, maintaining construction facilities and temporary controls, environmental protection, and project closeout.

6.5 Deliverables:

6.5.1 Design Deliverables:

POC/OFFICE SYMBOL DESIGN DELIVERABLES/SUBMITTALS

Submittal	35%	65% and 95%	100%	Final Design	# of copies
HARB Civil Engineer Construction Office	Yes	Yes	Yes	Yes	3 hardcopies, 3 CDs w/ drawings in AutoCad
HARB Contracting Officer	Yes	Yes	Yes	Yes	1 hardcopy

Computer Products: CADD Files of CADD Drawings on CD-ROM with index. Project specifications, etc., CD-ROM. Use the latest version of Microsoft Word.

6.5.1.1 Government Review: Contractor shall allow the time indicated in paragraph 3.2.2.1 and 5.1.1 for government review, or up to ten business days for any other deliverable.

6.5.1.2 Plan Review/Construction Kick-off: The Contractor will coordinate with the Project PM to schedule a design review/kick-off conference at the ***HARB***. All Government comments will be reviewed, and design changes discussed and approved. Construction will begin after acceptance and approval of final design.

6.5.1.3 Project Closing Conference: Contractor will provide as-built drawings for work completed (CD in AutoCAD 2018 or more recent) and a hard copy, product specifications, manufacturer's manuals, and warrantee documentation at

closing conference to be held at the ***HOMESTEAD ARB, FLORIDA***. This conference will be scheduled by Contractor after punch list items are satisfactorily completed or action plan for completion has been approved by the base.

6.5.2 Construction Deliverables

The Contractor shall provide technical plans and reports as detailed below. Electronic submittals are preferred.

Deliverable	Copies			Frequency
		Base POC	Contracting Officer	
Production or Delivery Problem Report				Same day as problem
Health and Safety Plan				30 days after Construction NTP
Construction Quality Control Plan				30 days after Construction NTP
As-built Drawings				30 days after final inspection
Material Approval (AF Form 3000)				30 days after approved Final Design
Incidental Design Documents (AF Form 3000)				As needed
Draft O & M Manuals (AF Form 3000) (hard copy)				At Pre-final inspection
O & M Manuals (AF Form 3000) (hard copy)				At final inspection
Contract Progress Schedule (AF Form 3064)				Within 10 days of award; monthly after construction start
Contract Progress Report (AF Form 3065)				Monthly
Meeting Minutes				As needed, 2 business days after meeting
Pre-final Inspection Report				5 days before Final inspection
Final Inspection Report				15 days after Final inspection
Draft Transfer & Acceptance of Military Real Property (DD 1354)				At Pre-final inspection (as needed)
Transfer & Acceptance of Military Real Property (DD 1354)				At Final inspection (as needed)

6.5.2.1 Progress Review Meetings: The initial Progress Review Meeting will be held within 30 days of contract award. Subsequent meetings will be held at weekly intervals for the duration of the project.

6.5.2.2 Contract Progress Schedule (AF Fm 3064): Within 30 days after task order award or at the pre-construction conference, whichever is later, the Contractor shall submit a signed AF Fm 3064, Contract Progress Schedule, depicting an overall contract progress schedule for the main elements of work for the period of performance. The Contractor shall also provide a line graph depicting scheduled construction progress throughout the period of performance. The progress schedule shall be signed by the CE representive recommending approval and approved by the contracting officer. Once submitted, the approved contract progess schedule may only be changed by the CO. Computer generated progress schedules provided in lieu of AF Fm 3064 will be acceptable based upon CO approval. Once construction begins, the progress schedule shall be updated at least monthly to depict the comparison of actual versus scheduled progress. Alternative scheduling methods as approved by the Contracting officer may be attached to the Air Force Form 3064.

6.5.2.3 Contract Progress Report (AF Fm 3065): At least monthly, the Contractor shall submit AF Fm 3065, Contract Progress Report, signed by the Contractor's on-site representative. The work elements and percentages stated on the AF 3065 shall be identical to the work elements and percentages on the AF 3064. The Contractor shall obtain signed coordination of the report by either the COR or the government contract inspector prior to submission.

6.5.2.4 AF Form 3065: In order to expedite Contractor payment approval, Contractors are encouraged to coordinate monthly AF Forms 3065 with the COR, obtain Government signature, and then attach a .pdf file of the signed AF Fm 3065 to the WAWF invoice submission.

6.5.2.5 As-Built Drawings: The contractor shall provide as-built drawings (both electronically in AutoCAD 2018 or later format and in hard copy) for retention by the Government.

7.0 GOVERNMENT FURNISHED MATERIALS AND SUPPORT

7.1 Drawings, Reports and Plans:
a. Facility Record Drawings. N/A.

7.2 General Requirements: In conjunction with the project, ***HOMESTEAD ARB, FLORIDA*** will provide the following support to the Contractors as detailed below.

a. Provide assistance to the Contractor in obtaining existing engineering plans, drawings, etc., to facilitate work required in the Statement of Work (SOW).

b. Arrange for a staging area for storing equipment and supplies. The security of equipment and supplies shall be the Contractor's responsibility.

c. Arrange for personnel identification badges, vehicle passes and/or entry permits with 4 days or more advance written notification. Request must be on or attached to Company Letterhead from the Prime Contractor, and include: Company name, contract number, Contractor personnel names, citizenship, city and state (country, if not U.S.) of birth, Date of Birth, social security numbers, and duration of access required. Subcontractor requests must also include the name of the Prime Contractor and Prime Contract Number.

d. Arrange access to the work areas.

e. Arrange for base CE and COMM to coordinate with the Contractor

f. Utilities: The Contractor may access available utilities (electricity and water) at the construction site. It shall be the responsibility of the Contractor to coordinate with local utility companies for the hook-up of utilities. Any utility hook-up costs shall be at the Contractor's expense. The Contractor will be responsible for providing an electrical meter to be connected to the base systems for the purpose of reimbursing the government for the quantities consumed at the office and shop buildings. No utilities will be provided by the government at any contractor open storage area. All taps from fire hydrants shall make use of approved backflow prevention devices according to risk as described in UFC 3-230-02 Paragraph 10.4.

g. A supply (e.g., fire hydrant and stand pipe) of large quantities of potable water.

h. Assist arranging outages. Interruption of service for HVAC, Power, Lighting, Telephone, Fire Protection, Fire Detection, Water, Sewer, Gas, Roads, and Parking Lots are considered outages. Outages shall be scheduled at least 3 weeks prior to the desired time.

8.0 TRAVEL

8.1 **Travel Requirements:** The Contractor shall travel as required to produce the deliverable items listed in this Statement of Work. Site assessment/research, project discussion meetings and presentations will be held at ***THE HOMESTEAD ARB, FLORIDA***.

9.0 CONTRACT ADMINISTRATION

9.1 Amendments: Not withstanding any of the provisions of this contract, the CO will be the **only** individual authorized to in any way amend or modify the terms of this task order.

10.0 PERFORMANCE

10.1 Performance Period: The performance period for this statement of work is ***180*** calendar days. The performance period for design phase is ***120*** calendar days and the construction phase is ***60*** calendar days. The Contractor shall begin work as described in the scope of work within ***10*** days of notice to proceed (NTP). No construction work shall begin prior to government approval of the 100% plans and specifications without consent of the Contracting Officer on a limited scope basis.

10.2 Progress Review Meetings: The Contractor shall hold progress review meetings once a week and shall coordinate these meetings with the Base POC. These meetings will be a review of work performed, issues, schedules, milestones, and current status. The schedule of the progress review meeting may be modified by the Base POC with notification to the Contractor. These meetings will continue until the project is closed out.

10.2.1 Meeting Minutes: All meeting minutes will be taken by the Contractor and distributed to POCs no later than two (2) working days following meeting dates.

10.2.2 Schedule: The Contractor shall adhere to all meeting and reporting schedules and acknowledges the authority of the Base POC to reschedule any and all meetings and reports

11.0 Operation Security (OPSEC)

11.1.1 In case of government need, such as operational planning or war time environment, the Contractor must have the ability to process, store, transmit, and destroy Controlled Unclassified Information.

11.1.2 All contract personnel executing requirements on behalf of the government will take DoD Mandatory Controlled Unclassified Information (CUI) Training and provide completion certificates upon government request if the contract has a requirement to handle/generate CUI information.

11.1.3 When the contract has a requirement for access to the Air Force network, the Contractor will acquire an External Certification Authority (ECA) Public Key Interface (PKI) certificate to obtain the ability to digitally encrypt e-mails between the Single Program

Manager (Contractor) and the Multi-Function Team (MFT) or Logistics Manager (LM) (Government Employees). Authorized ECA PKI Vendors List to obtain PKI: DoD Cyber Exchange.

11.1.4 E-mails or attachments containing Controlled Unclassified Information, will be digitally encrypted IAW National Security Decision Directive (NSDD) 298 DoD 5205.02, DoDD 5205.02E, and AFGM 16-01.

11.1.5 Storage of hardcopies of Controlled Unclassified Information must use secured areas and/or containers IAW AFGM 16-01 & DoDI 5200.48.

11.1.6 Controlled Unclassified Information must be disposed of IAW the National Institute of Standards and Technology Special Publication 800-88, Guidelines for Media Sanitization.

11.1.7 The government reserves the right to impose Operations Security (OPSEC) requirements on this contract at any time IAW AFI10-701, Operations Security, and installation OPSEC Program. If the government determines OPSEC requirements are necessary in order to fulfill government needs, and the contractor has a “valid need to know,” the contractor will be provided with “just in time” OPSEC training and Critical Information and Indicators Listing.

---End of Section---

ENVIRONMENTAL PROTECTION SPECIFICATION

1. **GENERAL**: The work covered by this section consists of furnishing all labor, materials and equipment and performing all work required for the prevention of environmental pollution during and as the result of construction operations under this contract except for those measures set forth in other technical provisions or specifications of this contract. For the purpose of this statement, environmental pollution is defined as the presence of chemical, physical, radiological or biological elements or agents which adversely affect human health or welfare; unfavorably alter ecological balance of importance to human life; affect other species of importance to man; or degrade the utility of the environment for aesthetic and recreational purposes. The control of environmental pollution requires consideration of air, water and land, and involves noise, solid waste management and management of radiant energy and radioactive materials, as well as pollutants or hazardous materials.

   In order to prevent and to provide for abatement and control of any environmental pollution arising from the activities of the Contractor and any subcontractors in the performance of this contract, they shall comply with the applicable local, state and federal laws, regulations and standards concerning environmental pollution control and abatement, in effect on the date of issue of the invitation for bids. The Contractor shall be responsible for payment of any fines and penalties levied against Homestead ARB as the result of regulatory enforcement actions that are attributable to the actions of the Contractor and any subcontractors.

   The Contractor shall ensure all employees and subcontractors are aware of the installation Environmental Management System by complying with this Environmental Protection Specification. The installation Environmental Management System (EMS) policy statement is available upon request from the Contracting Officer.

2. **GREEN (AFFIRMATIVE) PROCUREMENT**: In order to comply with the green procurement requirements of Section 6007 of the Resource Conservation and Recovery Act (RCRA), 2002 Farm Bill, and Executive Order 13693 (GPP), the Contractor shall use recycled and recovered materials and products identified in the USEPA's Comprehensive Procurement Guidelines (CPG) and biobased products listed on the USDA Bio Preferred website, See https://sftool.gov/greenprocurement/green-products/1/construction-materials/0 and https://biopreferred.gov/BioPreferred/faces/catalog/Catalog.xhtml The Government requires the use of the following materials/products as cited by item(s):

   GPP Item

   Not Applicable _____

   _____

   _____

   _____

Other materials to include biobased and products not listed, but commonly used in industry outside of the government, shall also be considered. Material and product submittals for all recycled content items shall list the recycled and recovered materials used and the percentage content listed. In accordance with FAR 52.223-9, if the requirement exceeds the Simplified Acquisition Threshold ($150,000), the Contractor shall provide the Contracting Officer a certification with the percentage estimate(s) of the total recovered material(s) used in contract performance, including, if applicable, the percentage of postconsumer material(s) content(s). This certification shall be provided to the Contracting Officer after final inspection, but prior to final payment.

3. **PROTECTION OF LAND (SOIL) RESOURCES AND SITE RESTORATION**: It is intended that land resources be preserved in its present condition or be restored to the original condition which existed at the commencement of work.

    3.1. The Contractor shall confine his work activities to areas defined by the statement of work and to areas authorized by the Contracting Officer for other operations needed for the Contractor's performance.

    3.2. Any trees, vegetation, or other landscape feature scarred or damaged by the Contractor's equipment or operations shall be restored to its original condition at the Contractor's expense. The Contracting Officer, in consultation with the Environmental Flight, shall approve what manner of restoration shall be used, and whether damaged trees shall be treated and healed or removed and disposed of under requirements for clearing and grubbing.

    3.3. The Contractor shall obliterate all signs of temporary construction facilities such as haul roads, work areas, structures, foundations of temporary structures, stockpiles of excess waste, excavated or fill materials, construction debris or any other vestiges of construction resulting from this contract as directed by the Contracting Officer in consultation with the Environmental Flight.

4. **PROTECTION OF WATER RESOURCES**: The Contractor shall not pollute any waters of the United States (as defined in the Federal Water Pollution Control Act 33 U.S.C. 1251) with fuels, oils, bitumens, calcium chloride, painting materials, acids or other materials deemed hazardous per local, state and/or federal regulations. The Contractor shall implement Best Management Practices (BMPs) for any activity that disturbs or breaks the topsoil in order to control storm water runoff and erosion during construction, and shall stabilize the site after construction.

    4.1. Erosion and Sedimentation Control Plan and Storm Water Pollution Prevention Plan (hereafter "the Plan"): All measures, techniques and BMPs that the Contractor intends to use to protect water resources and control storm water runoff and erosion shall be set forth in the Plan and submitted for approval before groundbreaking activities begin. If required, the Plan shall also be submitted to the South Florida Water Management District for State approval. The Plan shall contain the following information.

__X__ Plan is not required because erosion control does not apply to this project.

_____ This project shall comply with National Pollutant Discharge Elimination System (NPDES) for regulated construction sites (1-acre or more) in the State of Florida. Provide the Name and signature of a storm water professional that is authorized to sign a storm water plan for a NPDES to prepare the Plan and oversee the implementation the Plan. This includes the opening and closing of all permits and all related reporting activities.

_____ Name and signature of the Contractor personal to prepare the Plan and oversee the implementation the Plan.

_____ Site narrative which characterizes the construction site and activities that disturbs soil and groundcover.

_____ Description of the pollution prevention and storm water runoff and erosion control measures and BMPs to be implemented.

_____ Description of the source control and housekeeping BMPs.

_____ Description of the interim and permanent stabilization practices.

_____ Implementation schedule for the activities described.

_____ Site map showing site boundary, perimeter of control areas and construction areas, location of BMPs and map legend/index.

4.2. Storm Water Site Log (hereafter "the Log"). The Contractor shall submit a written Log for the duration of the project and readily available for review by the Contracting Officer or designated representative, and to be submitted at closeout of the contract. The following entries must be contained within the Log.

__X__ Plan is not required because erosion control does not apply to this project.

_____ Name and final signature of the qualified storm water professional that kept the Log.

_____ Name and final signature of the Contractor personal that kept the Log.

_____ Dates of the beginning and end of soil disturbance.

_____ Dates of when control areas are activated and disassembled and cleaned up to a restorative state.

_____ Dates when runoff and erosion control BMPs were installed or implemented and an indication as to whether an inspection schedule is established to monitor its state and condition.

_____ Dates of significant rain events (time, duration, intensity) and a description of observations of the effectiveness of the storm water control site plan to handle the event.

_____ The inspection schedule and results of inspections conducted established for any BMP. Note any pertinent findings and response actions, if required.

_____ Certification by the log maintainer that the affected site area has been stabilized post construction, and that all remaining storm water control measures have been upgraded to their final design configuration and all construction site control areas have been removed and returned to their final stabilization state.

4.3. Source Control, Housekeeping Requirements and Sanitary Sewers: The Contractor must establish control areas for construction activities that have a potential to introduce pollutants and contaminants into storm water runoff and sanitary sewer systems. If necessary, combine or co-locate control areas, or, if it is not practical to establish control areas, establish site specific work practices. The following specifics shall be adhered to:

4.3.1. Store pollutants and other construction materials in a location and/or manner to prevent runoff into storm water systems. Volatiles, including paint and solvents, shall require secondary containment storage areas.

4.3.2. Clear construction site daily of trash, including organic debris, packaging materials, scrap, surplus building material and domestic waste.

4.3.3. Store material on pallets and provide a covering or shelter for soluble materials to prevent storm water exposure.

4.3.4. Inspect storage facilities at least weakly and after each major rain event.

4.3.5. Designate temporary areas for concrete truck/mixer washouts in a location away from storm water runoff. Hardened concrete shall be disposed of off-site.

4.3.6. Designate vehicle refueling area in a location away from storm water runoff; perform vehicle refueling within a secondary containment area where practical.

4.3.7. On-site maintenance of construction equipment shall be limited to emergencies and small-scale routine procedures, and shall be conducted away from storm water runoff Major maintenance operations shall be performed off-site.

4.3.8. Clean equipment prior to leaving the construction area.

4.3.9. Wash waters and wastes shall be processed, filtered, ponded and/or effectively treated in a manner approved by the Environmental Flight prior to its release into any body of water or the sanitary sewer system.

4.3.10. No pollutant or construction materials shall be disposed or discharged into the storm water systems or sanitary sewer systems, including but not limited to emulsifiers (such as soaps and detergents), industrial and household cleaners, trisodium phosphate, boiler treatments and any other material containing phosphorous.

5. AIR POLLUTION CONTROL

5.1. No open burning shall be allowed under any circumstances.

5.2. No Class I ozone depleting substances shall be used by the Contractor without specific written permission from the Contracting Officer, in consultation with the Environmental Flight, including Halons, Chlorofluorocarbons, 1,1,1-Trichloroethane and Trichloroethylene.

5.3. The Contractor shall not cause, let, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor.

5.4. The Contractor shall not cause, let, suffer, allow or permit the emissions or unconfined particulate matter from any activity, including vehicular movement and spray-gun painting; transportation of materials; construction; alteration; demolition; or industrially related activities.

6. REFUELING OPERATIONS AND FUEL STORAGE

6.1. All portable fuel containers shall be UL-listed for the purpose and be stored when not in use in an approved hazardous material cabinet in an approved location. The Contractor shall submit the location for approval.

6.2. Any fuel tank 55 gallons or more stored on-site shall either be double-walled or have secondary containment and comply with all local, state and federal regulations for containment systems. Ref: 40 CFR 112.8 (c) (ii). [The Contractor shall submit the container for approval.] Secondary containment systems must meet the following criteria:

6.2.1. Capable of 110% of the capacity of the largest single compartment plus six inches of rainfall.

6.2.2. An automatic/spring-closing drain valve, locked in the closed position and requires the operator to manually keep the drain valve open during draining operations.

6.2.3. Water shall be drained from the secondary containment system only after visual inspection and after all visible product sheen has been absorbed / removed. All visual inspections and discharges shall be logged and the log shall be made available for inspection upon request of the contracting officer / site inspector.

6.3. Refueling tank vehicles with a capacity over 25-gallons must comply with all local, state and federal regulations for containment systems. The Contractor shall submit the container for approval.

6.4. General requirements for on-base refueling operations:

6.4.1. All fuel spills will be immediately reported to the Base Fire Department and Environmental Engineering Flight.
6.4.2. Appropriate spill response equipment will be located adjacent to refueling operations.
6.4.3. Spill containment shall be located to provide protection of the ground surface at the tank nozzle and the fill port.
6.4.4. Whenever possible, locate all refueling operations on a paved surface and away from storm drainage structures.
6.4.5. Ensure a competent person is at the dispensing nozzle during all filling operations.
6.4.6. The dispensing nozzle shall be listed as self-closing without a hold-open clip.
6.4.7. No smoking within 25 feet of refueling operations.
6.4.8. All deliveries shall be made in adequately lighted areas during normal business hours, if possible.
6.4.9. The tank vehicle shall have flashing lights in operation while dispensing.
6.4.10. Each tank being filled shall have adequate expansion space.
6.4.11. A serviceable and unobstructed extinguisher shall be in place.
6.4.12. Proper safety distance shall be maintained between fuel trucks, vehicles and buildings.
6.4.13. Stop all refueling operations during electrical storms within 5 miles.
6.4.14. Free falling fuel is prohibited.
6.4.15. The contractor shall have its own distinct Spill Prevention, Control, and Countermeasure (SPCC) Plan for any on-site contractor-owned aboveground Storage Tank (AST) exceeding 1,320 gallons.

7. FISH AND WILDLIFE: The Contractor shall not interfere, alter water flows, or disturb the native habitat for any fish and wildlife areas designated by the Environmental Flight.

8. HAZARDOUS MATERIALS:

8.1. A hazardous material (Hazmat) is defined as any item that is:

8.1.1. A health hazard or physical hazard as defined in 29 CFR 1910.1200©, the OSHA Hazard Communication (HAZCOM) Standard.

8.1.2. Regulated in its disposal by EPA under 40 CFR

8.1.3. Defined by DOT regulations under 49 CFR

8.1.4. Defined by the Dangerous Goods Regulations of the International Air Transport Association.

8.1.5. Covered under the Emergency Planning and Community Right-to-Know Act (EPCRA) reporting requirement

8.2. The Contractor shall establish a Hazmat storage and distribution system. Prior to bringing any Hazmat on base, the Contractor shall:

8.2.1. Inventory all Hazmats required to support the contract and submit for approval: (1) two copies of the most current material data and safety sheet (MSDS) and (2) a listing all Hazmats and approximate quantities to be used using the *482d MSG/SGPB Bioenvironmental Engineering Services Chemical and Radiological Material Tracking Form for Contractors Working on Homestead ARB.*

8.2.2. Designate and maintain a Hazmat storage and issue location with flammable/corrosive material storage lockers (or lockers that are chemically inert to the Hazmat as well as impervious to absorption).

8.2.3. Provide all Contractor employees with Hazmat training and all necessary personal protective equipment. The Contracting Officer may request proof of employee training.

8.3. While Hazmats are on base, the Contractor shall follow all hazardous material laws as they pertain to the Contractors' workforce and abide by the following best management practices:

8.3.1. Maintain a tracking report for Hazmats issued and quantities used and make available for inspection upon request of the Contracting Officer.

8.3.2. Keep MSDSs on site and available to employees as required by OSHA and make available for inspection upon request of the Contracting Officer.

8.3.3. Segregate incompatible materials at all times.

8.3.4. Keep work and storage areas free from drips and spills by use of drop cloths or tarpaulins.

8.3.5. Close all containers when not in use and return to a proper storage area when no longer used or at the end of the workday.

8.3.6. The Contractor shall provide certification that all unused Hazmats have been inventoried and removed from HARB before the contract can be said to be complete or before the expiration date of the Hazmat.

9. **NON-HAZARDOUS WASTE SPILLS:** The Contractor shall be responsible for the cleanup and disposal of all spilled regulated and unregulated materials, including materials used to contain and absorb the spill. Applicable spills shall be managed IAW the latest Homestead HAZMAT plan.

10. HAZARDOUS WASTES AND SPILLS: This section includes the handling of all hazardous waste (HW) as generated by the Contractor or encountered by the Contractor during the course of the contract.

10.1. "**Contractor HW**" is defined as any waste resulting from Contractor use of Hazmats and Contractor activities resulting in spills or leaks which can be defined as HW[1]. The Contractor shall be fully responsible for immediately reporting any Hazmat spill incident to the base Fire Department, Environmental Flight, and Base Civil Engineering. The Contractor shall be liable for containment and environmental clean up and disposal of all Contractor HW, or release of Contractor HW per the Hazardous Material Emergency Planning and Response and Oil Spill Facility Response Plan (HAZMAT Plan) for Homestead Air Reserve Base (available from the base Environmental Flight). The following checked items shall be submitted only if HW is transported:

- A copy of the Contractor's registration and EPA ID number.
- The HW transporter's name and copy of its license or permit to transport HW.
- The Treatment, Storage, And Disposal Facilities' name and copy of its license, permit or interim status from EPA to receive HW.

10.2. "**Government HW**" is defined as all pre-existing HW encountered at the job site. This waste shall remain the property of the government and disposal shall be by the government, unless directed otherwise by the Contracting Officer at Government expense[2].

10.3. The Contractor shall notify the Contracting Officer and the Environmental Flight before any activity that is expected to generate HW and when any HW generation commences or changes characteristics. The Contracting Officer may direct the Contractor to change waste disposal procedures based on recommendations from the Environmental Flight.

10.4. HW accumulation points (HWAPs) are permitted by the EPA under 40 CFR 262.34, however, local authorization is required prior to establishing such a site. Local authorization for HARB is obtained through the Contracting Officer after a joint review conducted by the Environmental Flight, BioEnvironmental Engineering Services, the Safety Office and the Fire Department. At that time, the contractor will be provided with specific requirements and conditions. The following generic requirements for

[1] Including Polychlorinated Biphenyls (PCBs). Electrical equipment and hydraulic machinery manufactured prior to 1980 are suspected to contain Polychlorinated Biphenyls (PCBs). Items that do not contain polychlorinated biphenyls (PCBs) are generally marked by the manufacturer with the words "No PCBs". Items not so marked shall be considered to contain PCBs and are subject to HW procedures in the event of a spill or leak. If the Contractor suspects any item contains PCBs, the contractor shall stop work and immediately notify the HARB Environmental Flight and Contracting Officer.

[2] Including Universal Waste. Florescent light tubes, batteries, and mercury containing devices will be managed by the Recycling Center.

HWAPs are provided for bidding purposes, and, if no other specific guidance is provided, shall be considered contractual:

10.4.1. HWAPs are to be sited in close proximity to the point where a waste stream is generated. The proposed HWAP and its actual location must be reviewed and approved by the Contracting Officer in consultation with the Environmental Flight, prior to establishing the site.

10.4.2. At a minimum, the HWAP will be identified with a sign of no less than 1-inch upper-case lettering denoting "HAZARDOUS WASTE", "HAZARDOUS WASTE ACCUMULATION POINT" or equivalent. The site needs to be clearly distinguishable from other areas and must be designed to preclude people from unknowingly entering the location and to reduce unauthorized entry as much as possible. The use of additional signs, pylons, ropes, floor markings, fencing, etc. may be used to more clearly define the HWAP location.

10.4.3. Containers holding liquid HW must be stored on secondary containment pallets to preclude spreading leaks and spills. The pallets will be installed prior to collecting liquid waste.

10.4.4. An existing HWAP is solely for the specified function and waste streams covered by the original approval. Waste from other functions and new waste streams will not be added to HWAP containers without prior written approval from the Contracting Officer, in consultation with the Environmental Flight.

10.4.5. All HWAPs are subject to regulator inspection.

10.4.6. A suitable response kit will be located within reasonable proximity to the HWAP (i.e. line of sight). Also required is access to a telephone and a list of emergency telephone numbers. All spills will be reported to the Base Fire Department at 7117 and the Environmental Flight.

10.4.7. The use of applicable personal protective equipment (PPE), consistent with what is required when handling individual HW as defined on the MSDS.

10.4.8. Different HW will not be mixed in the same container as this may cause a dangerous reaction.

10.4.9. A primary and alternate manager will be appointed for the HWAPs. These assignments will be made by letter of designation signed by the Contractor's senior site manager or senior construction representative, as applicable. Three copies of the letter shall be submitted to the Contracting Officer.

10.4.10. If not already completed and current, newly assigned HWAP managers and alternates must receive initial training through the Environmental Flight prior to assuming their HWAP management duties. Annual management refresher training is required for all managers.

10.4.11. Supervisors and HWAP managers are responsible for ensuring that all assigned personnel are sufficiently trained in accordance with 29 CFR 1910.120 prior to handling or storing hazardous waste.

10.4.12. Training records are subject to regulator inspection. Training records will be retained for no less than 3 years after a person leaves or is no longer handling HW, in accordance with 40 CFR 264.14.

10.4.13. The HWAP manager will post a checklist on-site covering day-to-day operations. Specific to the particular location, this checklist highlights routine procedures the Contractor follows handling its HW.

10.4.14. The HWAP manager will develop a checklist covering the manager's weekly inspection of the HWAP and submit it to the Contracting Officer for approval. The manager files the original for 3 years, in accordance with 40 CFR 264.14.

10.4.15. The HWAP manager will conduct an informal HWAP inspection on a daily basis. The weekly checklist may be used for this purpose.

10.4.16. HWAP managers will maintain container tracking logs. The log will include container number, the HWAP location, brief description of the waste stream, fill date (the date the container was filled to its authorized capacity), close date (date container reaches its maximum allowable storage time, which for a HWAP is one year), date transferred (the date the container was picked up at the HWAP for disposal) and shipping (TSDF) location.

10.4.17. HW containers will not be stored longer than 1 year regardless of how much unused space the container may possess.

10.4.18. Drums and containers used for storing HW shall be in conformance with Department of Transportation (49 CFR) specifications for storing that particular material/waste.

10.4.19. The maximum a HWAP may accumulate is a 55-gallon drum, unless the material is an acutely hazardous waste. For an acutely hazardous waste, the maximum quantity to be stored is a 1-quart container. No more than 50 gallons is to be accumulated into a 55-gallon drum to allow for container expansion considerations. Acutely hazardous waste containers are to be filled not more than 2 inches from the rim of the container.

10.4.20. Except for adding waste or to conduct an inspection of the waste level in the container, the HW container will always be covered with its lid or bung screwed in place to prevent accumulation of rainwater.

10.4.21. Every HW container will have a clearly visible label affixed to the side of the container. At a minimum, the label will show "HAZARDOUS WASTE", a description or name of the waste and the hazard associated with the waste. In

addition, the label will have a provision to post the date the container was filled at the HWAP. The container's markings will also include the container ID number used to trace container processing.

10.4.22. Upon filling a HW container, the date is posted to the label, the contractor must arrange for transportation of the HW to an EPA permitted TSDF within the required timeframes allowed under the particular generator status.

10.4.23. The Contractor shall obtain written approval from the Contracting Officer, in consultation with the Environmental Flight, prior to recycling any HW. The Contractor shall provide a copy of the shipping document, bill of lading, etc. for items that are recycled. The Contractor can not sell Government property to recycling companies.

10.4.24. All actions leading to the closure of a HWAP must focus on ensuring that the Contractor takes steps necessary to control, minimize or eliminate the risk to personnel and the environment during closure operations. Further, the Contractor's efforts must preclude the risk of post-closure release of HW and its constituents, as well as make post closure facility maintenance unnecessary. The Contractor must also ensure that contaminated equipment, facilities and surroundings are properly decontaminated as part of the closure process. The entire closure process must be conducted at the direction of and with the approval of the Contracting Officer, in consultation with the Environmental Flight.

11. <u>ASBESTOS-CONTAINING MATERIALS AND LEAD-BASED PAINT</u>: If the Contractor believes they have discovered any asbestos-containing material (ACM) and/or lead-based paint (LBP), not already specified in the contract, during the execution of work, the Contractor shall stop work immediately and notify the Contracting Officer and Environmental Flight. The Contractor shall not disturb, remove, use, store or transport any ACM or LBP unless specifically licensed and contracted to do so.

12. <u>RADIOACTIVE MATERIALS:</u> The Contractor shall notify the HARB Bioenvironmental Engineering Services (SGPB) via the *Bioenvironmental Engineering Services Chemical and Radiological Material Tracking Form for Contractors Working on Homestead ARB*, a minimum of 10 business days before the Contractor intends to use radiation producing equipment on HARB to allow for the processing of a written Permit Approval to bring Radiation Materials (RAM) to HARB by the installation Radiation Safety Officer (RSO) working at SGPB.

13. <u>PESTICIDES / HERBICIDES</u>:

13.1. If the Contractor intends to use any pesticides or herbicides not otherwise specified in the technical specifications during the performance of the contract, the Contractor shall submit a request for pesticide usage to the Contracting Officer for the approval by the Environmental Flight. The request shall include the name of the product intended to be used, the SDS, the reason for use and the estimated amount to be applied.

13.2. Commercial application of all pesticides shall be accomplished by certified pest control personnel or under the supervision of a certified pest control operator. The mixing of restricted use pesticides on the base is prohibited.

13.3. The Contractor is responsible for ensuring that all pesticide and herbicide containers are removed as soon as the product is applied.