
 45th Space Wing AF-01 11 00.00 30 (October 2014)
 CCAFS/PAFB -----
 Preparing Activity: RAEIS Superseding
 AF-01 11 00.00 55 (January 2011)

References are in agreement with UMRL dated April 2014

Revised throughout - changes not indicated by CHG tags

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10/14

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SECTION 01 11 00.00 30

SUMMARY OF WORK
10/14

NOTE: This specification covers the requirements for basic description and special administration instructions of the selected project.

Edit this guide specification for project specific requirements by adding, deleting, or revising text. For bracketed items, choose applicable items(s) or insert appropriate information.

Remove information and requirements not required in respective project, whether or not brackets are present.

Comments and suggestions on this guide specification are welcome and should be directed to the technical proponent of the specification. A listing of technical proponents, including their organization designation and telephone number, is on the Internet.

Recommended changes to a UFGS should be submitted as a Criteria Change Request (CCR).

PART 1 GENERAL

1.1 SUMMARY

The work to be performed under this project is located at Cape Canaveral Air Force Station. Cape Canaveral Air Force Station is located at the end of State Road 401, north of Port Canaveral.

The work to be performed under this project is located at Patrick Air Force Base. Patrick Air Force Base is located approximately three miles south of Cocoa Beach on State Road A1A.

The work to be performed under this project consists of providing the labor, equipment and materials to [_____].

1.2 PROJECT DESCRIPTION

1.2.1 Civil/Site

[_____]

1.2.2 Structural

[_____]

1.2.3 Architectural

[_____]

1.2.4 Mechanical

[_____]

1.2.5 Electrical

[_____]

[1.2.6 Telecommunications

[_____]]

[1.2.7 Special Construction

[_____]

]1.3 REFERENCES

NOTE: This paragraph is used to list the publications cited in the text of the guide specification. The publications are referred to in the text by basic designation only and listed in this paragraph by organization, designation, date, and title.

Use the Reference Wizard's Check Reference feature when you add a RID outside of the Section's Reference Article to automatically place the reference in the Reference Article. Also use the Reference Wizard's Check Reference feature to update the issue dates.

References not used in the text will automatically be deleted from this section of the project specification when you choose to reconcile references in the publish print process.

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

45TH SPACE WING (SWI)

45 SWI 31-1

Integrated Defense Plan

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

- NFPA 101 (2012; Amendment 1 2012) Life Safety Code
U.S. AIR FORCE (USAF)
- AFI 33-580 (2013) Spectrum Management
U.S. ARMY CORPS OF ENGINEERS (USACE)
- EM 385-1-1 (2008; Errata 2011) Safety and Health Requirements Manual
U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA)
- 29 CFR 1910 Occupational Safety and Health Standards
- 29 CFR 1926 Safety and Health Regulations for Construction

1.4 SUBMITTALS

NOTE: Review Submittal Description (SD) definitions in Section 01 33 00 SUBMITTAL PROCEDURES and edit the following list to reflect only the submittals required for the project. Submittals should be kept to the minimum required for adequate quality control.

The Guide Specification technical editors have designated those items that require Government approval, due to their complexity or criticality, with a "G". Generally, other submittal items can be reviewed by the Contractor's Quality Control System. Only add a "G" to an item, if the submittal is sufficiently important or complex in context of the project.

Submittal items not designated with a "G" are considered as being for Contractor Quality Control information only.

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for Contractor Quality Control information only. The following shall be submitted in accordance with Section 01 33 00 SUBMITTAL PROCEDURES in sufficient detail to show full compliance with the specification:

SD-01 Preconstruction Submittals

Submit the following items to the Contracting Officer:

NOTE: Select items below to be submitted for review.

[Lifting Operation Plan;G]

[Utility Outage Requests;G]

[Connection Requests;G]

[Air Force Form 3952 (AF 3952), Chemical/Hazardous Material Request Authorization;G (including all paint)]

[SOLID WASTE DISPOSAL DIVERSION TRACKING;G]

[Premises/Access Plan;G]

[Storage Area Request;G]

[Contractor Survey Record Drawings;G]

[Superintendent Contact and Qualifications;G]

1.5 CONTRACT DRAWINGS

See Drawing Index for list of project drawings.

Contract drawings, maps, and specifications will be furnished to the Contractor either hard copy or electronic at the Government's discretion. Reference publications will not be furnished.

Contractor shall immediately check furnished drawings and notify the Contracting Officer of any discrepancies.

The drawings indicate the general location and arrangement of existing conditions. Field measurements may be necessary to determine the size and quantity of materials. Conditions which are obvious/visible or which should be reasonably anticipated by the Contractor on inspection will not be considered under the Differing Site Conditions clause of this contract.

1.5.1 Layout of Work and Elevations

Dimensions and elevations indicated in the layout of work shall be verified by the Contractor. Discrepancies between the drawings, specifications and/or existing conditions shall be referred to the Contracting Officer in writing, for review, before the affected work is performed. Failure to make notification shall place the responsibility upon the Contractor to carry out the work in a satisfactory and workmanlike manner.

1.6 WORK SCHEDULING

Work Schedules for all on-site activities must be reviewed and approved by the Contracting Officer prior to start of the project; and all activities coordinated with the Contracting Officer once work has begun. Due to the critical nature of the work location, all work pertaining to this contract shall be completed [without disrupting] [with minimal disruption to] the operation of [_____].

Contractor shall allow for non-access days where construction activity is prohibited due to hazardous operations or launch activity. When possible, the Government will provide 24 hour notification each time the restrictions are invoked.

1.6.1 Requirements

Working hours will normally range between the hours of 7:30 AM and 4:00 PM

(0730-1600) excluding Saturdays, Sundays and Federal Holidays. If work must be done during periods other than above, additional Government inspection and Range Support personnel may be required. Notification must be given to the Contracting Officer five working days in advance of intention to work during other periods to allow assignment of additional inspection forces when the Contracting Officer determines that they are reasonably available. If such support is reasonably available, the Contracting Officer may authorize work to be performed during periods other than normal duty hours/days. Work beyond normal hours/days may be required for major utility outages. It is to the government's discretion to request copies of contractor inspection records for periods worked on holidays and weekends (FAR 52.246-12 Inspection of Construction).

No construction work shall take place over the Christmas/New Year holiday period. This period will start one full work day before the Federal Christmas holiday and end the first work day after the Federal New Year Holiday. The Contractor may request to work during this time at the discretion of the Contracting Officer, however no base support will be available.

1.7 OCCUPANCY OF PREMISES/ACCESS REQUIREMENTS

Building(s) [will] [will not] be occupied during performance of work under this Contract. Occupancy notifications will be posted in a prominent location in the work area. [Contractor shall post warning signs in accordance with OSHA requirements].

Before work is started, the Contractor shall submit a [Premises/Access Plan](#) to the Contracting Officer or Representative for approval. The plan shall include a sequence of procedures, means of access, space plan for storage of materials and equipment, and use of approaches, corridors, and stairways.

This plan must comply with [NFPA 101](#) requirements that all exits and exit access must be maintained at all times. Base Fire Department is required to approve any deviations which affect the exiting or exit access from the building.

1.7.1 Facility Contents

1.7.1.1 Responsibilities

The schedule of work shall be closely coordinated with the Contracting Officer. Unless otherwise stated, remove all furniture, equipment, curtains, drapes, pictures, blackboards, etc., as required to perform the work. Any movable or fixed furniture, equipment, carpet, etc., remaining in the work area shall be covered and protected from damage. All relocated items shall also be protected from damage throughout the construction period. After completion of work and prior to final acceptance, replace removed items in their original location.

[The entire area will not be available to the Contractor at one time. The following phases of work and procedures are required:

a. [_____]

b. [_____]

[Demolition of critical facility systems [mechanical, electrical, etc.] shall not be started until replacement equipment is on site.]

1.7.1.2 Maintain Clean Work Areas

All work areas shall be kept clean at all times. Contractor shall prevent introduction of dirt or dust into areas adjacent to the work areas. All materials, tools and equipment shall be thoroughly cleaned prior to being brought into the work areas or adjacent areas.

1.7.1.3 Damage To Existing Equipment

Any damage must be reported to the Contracting Officer immediately. Damage to existing materials, equipments, systems, or properties occurring from Contractor activities or neglect, shall, at the sole discretion of the Contracting Officer, be repaired or replaced by the Contractor at no cost to the Federal Government.

1.7.1.4 New Material and Construction Equipment

Only material and construction equipment designated for performance of contract work may be stored at the construction site or located in Government-controlled warehouses or shop facilities.

1.7.2 Construction Area Access And Control

1.7.2.1 Access and Control Requirements

Exclusive use or control of any area will not be allowed as the Government must have access to all areas at all times. All work must be scheduled around operational constraints.

1.7.3 Vehicle Parking

1.7.3.1 Requirements

Job and support vehicles for workers will be parked in designated parking areas within reasonable access to the worksite. All vehicle operators must comply with all traffic laws including mandatory seat belt usage, speed limits and hauling restrictions. Contractor shall be responsible for repairing or replacing any facility/grounds damaged areas.

1.8 STORAGE, TRANSPORTATION AND PROTECTION

1.8.1 Storage

At Government discretion, Contractor may be assigned a storage area upon submitting written [Storage Area Request](#) to the Contracting Officer. Contractor's Storage Area Request shall indicate dimensions of trailer, size of storage area, and utilities required. All trailers shall be in good and safe condition. Storage space is normally co-located with construction site, at the Contracting Officer's discretion. Storage areas may require fence and screening as required by Government. Contractor shall secure storage areas during inclement weather situation.

[Contractor is to submit a Work Order Management System (WOMS) through CE to request a telephone number and line for their office trailer. Commercial Internet service is available through local Internet service provider at contractor cost.]

[Office trailers and long term (longer than one year) storage trailers shall

be painted to match the base approved color", as noted in the base Facilities Sustainment guide. Trailers located on site for short term storage, less than one year, will not need to meet this requirement. In addition, all office trailers and long term storage trailers shall be skirted along the entire perimeter with a wood lattice material. This skirting shall be painted to match the same trailer color as described above. Contractor shall be responsible for the storage and protection of all of their materials and equipment, whether incorporated into the job or not.]

1.8.2 Protection

Store and protect products in accordance with manufacturer's instructions. Store products with seals, labels intact and legible. Store sensitive products in weather tight, climate controlled, enclosures in an environment favorable to the product. Products acceptable for exterior storage shall be on sloped supports above ground. Contractor shall not use swales, drainage ditches, or any other storm water permitted area to store materials or equipment. If swales, drainage ditches or any other storm water permitted areas must be used for storage, Contractor must get special permission from Contracting Officer.

1.8.3 Transportation

Transport and handle products in accordance with manufacturer's instructions. Promptly inspect shipments to ensure the products comply with requirements, quantities are correct, and products are undamaged. Protect products subject to deterioration with impervious sheet covering. Provide ventilation to prevent condensation and degradation of products. Store loose granular materials on solid flat surfaces in a well drained area. Prevent mixing with foreign materials.

1.8.4 Hazardous Materials

Submit an Air Force Form 3952 (AF 3952), Chemical/Hazardous Material Request Authorization if hazardous materials & petroleum product will be used on site. Hazardous Materials & petroleum product containers shall be stored on an impervious surface with containment. Incompatible materials shall be segregated and have separate containment systems. Additional HAZMAT requirements are provided in Section 01 57 20.00 10 ENVIRONMENTAL PROTECTION.

1.8.5 Site Protection Plan

Structures, utilities, sidewalks, pavements, and other facilities immediately adjacent to excavations shall be protected against damage. Contractor shall comply with "FAR 52.236-9, Protection of Existing Vegetation, Structures, Equipment, Utilities, and Improvements" and is required to protect areas adjacent to the construction site.

1.9 GOVERNMENT-FURNISHED EQUIPMENT [- None]

[Government will furnish to the Contractor the following property to be incorporated or installed in the work, or used in its performance. Maintain and protect Government furnished property once it is on the construction site.

ITEM	DESCRIPTION	QUANTITY	LOCATION FOR PICK-UP	POINT
[_____]	[_____]	[_____]	[_____]	
[_____]	[_____]	[_____]	[_____]	

Quantities indicated for the above-listed items marked with an asterisk are estimates. It is the intention of the Government to furnish all quantities of the asterisk items required to complete the work as specified.

Quantities stated for the above items not marked with an asterisk are all that will be furnished by the Government. Contractor shall furnish any additional quantities required.]

1.10 ON-SITE PERMITS

1.10.1 Utility Outage Requests And Connection Requests

Work shall be scheduled to hold outages to a minimum.

Utility outages and Connection Requests required during the execution of work that affect existing systems shall be arranged at the convenience of the Government, which may require scheduling outside of the regular working hours or on weekends, at no additional cost to the Government.

Each Utility Outage and Connection Requests shall state the system involved, area involved, approximate duration of outage, and the nature of work involved.

1.10.1.1 Requirements

A written request for a utilities outage (electricity, communication, water, compressed air, gas, steam, air conditioning, fire detection and suppression systems, etc.) must be submitted to the Contracting Officer at least [14][30] calendar days in advance of the desired outage. Approval is required prior to scheduling any outage. All limitations noted on the approved outage authorization shall be carefully observed. A utilities outage without prior approval and coordination is prohibited.

Utility outages affecting fire alarm, fire detection, fire suppression, fire pumps and water supplies to fire protection systems greater than 4 hours will require a fire watch.

Since many systems are critical to facility operations, the number and duration of utility outages shall be kept to an absolute minimum. All work effort shall be coordinated and sufficient manpower, materials, and equipment shall be provided to complete the work within the authorized outage window.

Existing utility services may be interrupted only when approved by the Contracting Officer. The interruption shall be scheduled at a time of minimum demand on the utility, convenient to the Government. Outages on weekends, holidays, or evenings shall be performed at no additional cost to the Government.

Contractor shall make all necessary arrangements to schedule and provide connections to existing utilities and to cause minimum interruption to system operation. All temporary utility hook-ups and disconnects shall be

made by the Contractor.

If the Contractor fails to comply with a scheduled outage, the cost to reschedule the outage will be deducted from the final contract payment.

1.10.2 Protection of Work

NOTE: The following paragraph is to be used for CCAFS only.

All construction work requires a Work Clearance Request, AF Form 103. This permit is processed by the Government and provided to the Contractor. It is required prior to the start of any construction at the project site and must be posted in a conspicuous location on site during all construction activities.

NOTE: The following paragraph is to be used for PAFB only.

Contractor shall obtain (from technical representative), prepare, and properly complete "Base Civil Engineering Work Clearance Request" AF Form 103. Prior to submitting 103 for review and approval, contractor shall mark in white paint all locations requiring utility locates and a commercial utility locate ticket number must be obtained by calling SUNSHINE at 1-800-432-4770. Contractor shall provide coordination for location of buried structures and utility lines before beginning any work involving digging/excavation. Contact the Government Technical Representative to schedule locates prior to any excavation. The Technical representative shall be the first and the last to coordinate on the AF Form 103.

After excavation permit has been obtained and prior to any excavating, verify with Cape Support (853-5211) that there are no "Critical Days" that would prevent excavation.

Contractor shall temporarily halt any machine excavation work or other surface penetration when approaching within 5 feet of the existing utility line until the Contractor has exposed the utility line by hand excavation to fix its location.

1.10.3 Burn Permits

Burn permits are required for any spark, flame, or welding activity. Burn Permits shall be obtained thru Cape Support (853-5211) PAFB Fire Department (494-7642).

Permits shall be posted at a conspicuous location in the construction area.

Burning of trash or rubbish is not permitted on any USAF facility.

1.11 SALVAGE AND DISPOSAL OF MATERIAL AND EQUIPMENT

1.11.1 Removal

Remove and/or relocate only those materials or items of equipment

specifically indicated in the drawings and specifications. Removal operations shall be performed in such a manner that adjacent areas, installed equipment, or existing utilities are not damaged. Repair all openings that occur due to removal or demolition operations to match adjacent, existing surfaces. Any damage incurred during removal operations shall be repaired at no additional cost to the Government.

1.11.2 Housekeeping

Sufficient personnel and equipment shall be provided to ensure compliance with all housekeeping requirements. Work will not be allowed in those areas that do not comply with the requirements of Section 14.C of EM 385-1-1. Job sites are to be kept clean on an ongoing, daily basis. All areas are to be thoroughly cleaned prior to leaving the jobsite at completion of project work.

1.11.3 Salvage of Material And Equipment

All salvageable materials or items to be removed shall remain the property of the Federal Government. Salvageable items are listed below in the paragraph entitled, "Salvage Items". Salvageable items shall be transported to and deposited at the Defense Reutilization and Marketing Office (DRMO) at Cape Canaveral Air Force Station at the contractor's expense.

Salvageable material must be segregated and separated into categories before transport. Material shall be palletized or moveable by forklift (maximum 10,000 lbs). For material that is not palletized, it will be the responsibility of the Contractor to provide labor support for material removal.

Deliveries to DRMO shall be scheduled through the Contracting Officer a minimum of 72 hours in advance. All salvageable items delivered to DRMO shall be accompanied by a properly prepared DD Form 1348. This form will be furnished by the Contracting Officer. A signed copy by DRMO reflecting the turn in materials shall be furnished to the Contracting Officer.

Contractor shall maintain property control records for material or equipment designated as salvage. Contractor's system of property control may be used if approved by the Contracting Officer. Contractor shall be responsible for storage and protection of salvaged materials and equipment until disposition by the Contracting Officer.

Material to be salvaged and reinstalled by the Contractor shall be protected during removal and stored to prevent damage.

For reference purposes salvageable is defined as: items, material, equipment which can be refitted, reworked, and restored and put to use or sold. The Contracting Officer shall have sole discretion as to determining whether any particular item is salvageable.

1.11.3.1 Salvage Items [- None]

[The following equipment and materials shall be salvaged for the Government:

a. [_____]

b. [_____]

c. [_____]

Any additional items shall be inspected by the Contracting Officer to determine whether salvageable or debris. All salvageable materials shall be delivered to the DRMO facility within Cape Canaveral Air Force Station at Contractor's expense. Salvageable material delivery shall also be accompanied by a properly prepared DD Form 1348.]

1.11.4 Waste Disposal

Non-salvageable material and debris shall be removed from work areas and disposed of daily. Contractor shall dispose of C&D at a State approved disposal site.

Refer to Section 01 57 20.00 10 ENVIRONMENTAL PROTECTION for further waste disposal and record keeping requirements.

NOTE: Use first paragraph below only for projects not at CCAFS or PAFB (e.g. downrange sites).

1.11.5 Cleanup

[All waste materials, except indicated salvaged items, generated by the construction shall be hauled off U.S. Government property at the end of each work day and deposited at a disposal site selected by the Contractor. Disposal shall be in accordance with federal, state, county and city ordinances and at the expense of the Contractor.]

Upon completion of the construction each day, the Contractor shall leave the work premises in a clean, neat and workmanlike condition, satisfactory to the Contracting Officer.

1.11.6 Salvage And Disposal Record Keeping

Contractor shall maintain and submit quarterly and at the completion of the project the SOLID WASTE DISPOSAL DIVERSION TRACKING form to the Contracting Officer of all materials removed from the job site. This inventory shall include waste materials disposed in landfills and materials reused on the job, sold for salvage and recycled.

1.12 RADIO FREQUENCY MANAGEMENT PROCEDURES

The following procedures shall be followed in obtaining radio frequency authorization:

The policy and procedures contained in AFI 33-580 shall be followed to obtain frequency allocation approval of electronic devices and USAF Radio Frequency Assignment.

1.13 COMMUNICATION SECURITY

Government telecommunications networks are continually subject to interception by hostile/unfriendly intelligent organizations. Therefore, the DOD has authorized the military departments to conduct COMSEC monitoring and recording of telephone calls from, or terminating at, DOD organizations. Contractor shall assume the responsibility for ensuring frequent dissemination of this information to all employees dealing with

official DOD information.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

3.1 ACCESS REQUIREMENTS

3.1.1 Construction Site Requirement

NOTE: Insert the following paragraph only if all on-site project work is within a non-restricted area. (That is, when the work site is not within a restricted area like LC-17, LC-40, etc.)

[All on-site project work is confined to non-restricted areas. That is, no restricted area badge shall be necessary to accomplish the on-site work. However, normal access requirements into CCAFSPAFB must still be accomplished.]

NOTE: Delete all non-applicable paragraphs. The following paragraph is applicable to the following areas: All Launch Complexes, LC-17, -36,-40, -41, FSA, NPF AREA, SMAB, SMARF, or the VIB Area (Contact U.S. Air Force for additions to this list.)

[The on-site project work is located within a restricted area. The restricted area requirement must be accomplished in order to access the construction site.]

NOTE: Select one of the following restricted area access requirements.

[The project will require the Contractor to work inside restricted area Facility No. [____]]. [The project will require the Contractor to work inside the restricted area perimeter fence of Facility No. [____] but outside the actual facility]. [The project will require the Contractor to work both inside the restricted area perimeter fence of and inside restricted area Facility No. [____]].

3.1.2 Air Force Restricted Area Requirements (Black & Blue Restricted Unescorted Badge)

Access to construction sites located in restricted areas requires a Black & Blue Restricted Area Unescorted Badge. Contractor is responsible for satisfying the prerequisites for unescorted entry and/or providing escorted entry to a restricted area for all their personnel and subcontractor personnel. Escort services will not be provided by the Government. It is the Contractor's responsibility to determine the minimum number of personnel needed and obtain the required badges with escort authority in

order to meet the contract requirements. Failure to do so could result in denied access to the construction site, interruption of performance and negatively impact timely contract completion.

Individuals meeting the 45 SWI 31-1 security requirements will be allowed to acquire restricted area badges. If the Contractor has proper clearance in JPAS, the Contractor may complete an AF Form 2586 "Unescorted Entry Authorization Certificate" (signed by the CE Security Manager in signature block #2) and transmit it to the Facility Manager of the restricted area for signature. After obtaining signatures, the individual must make an appointment with Visitor Control Center (321-853-5261) to obtain a Restricted Area Badge.

In order for Contractor personnel to enter restricted areas, a Restricted Area Badge for the area is required. Those individuals not in possession of a Restricted Area Badge (RAB) must remain under the surveillance of the escorts at all times while working in the restricted area. Escorts are subject to having their base access privileges revoked if it is found that they are not in visual contact with the employees they are escorting. The required responsibilities and duties of an escort shall be adhered to by all Contractor and subcontractor personnel. 45 SWI 31-1 and Restricted Area Badge Processing Guide outline the requirements and procedures in obtaining a restricted area badge.

Contingent upon the location and nature of the work, a construction site "Free Zone" may be established by the Commander of the restricted area site. If the area is designated as a construction site "Free Zone", only normal access requirements will apply.

3.2 CCAFS VEHICLE INSPECTION

The Oversized Vehicle Search Area is located on State Road 401 near the Visitor Control Center. Manned Operating hours are scheduled from 0600-1700. For after hours access, call CCAFS Security Forces at (321) 853-2121 to coordinate entry. Mandatory inspection is required for all: Commercial Vehicles, Tractor Trailers, Trailers, RVs and Boats. Allow ample time for inspections, especially for the critical delivery period of mixed concrete. The government will not be responsible for rejected batches, caused by Contractor delays. Advance coordination is highly recommended.

3.3 PAFB VEHICLE INSPECTION

The Oversized Vehicle Search Area is located on State Road A1A approximately 1 mile north of Pineda Causeway. Manned Operating hours are scheduled from 0600-1700. For after hours access, call PAFB Security Forces at (321) 494-2000 to co-ordinate entry. Mandatory inspection is required for all: Commercial Vehicles, Tractor Trailers, Trailers, RVs and Boats. All other passenger vehicles will be turned away from this gate and are required to enter at either the Main Gate or South Gate. Allow ample time for inspections, especially for the critical delivery period of mixed concrete. The government will not be responsible for rejected batches, caused by Contractor delays. Advance coordination is highly recommended.

3.4 CCAFSPAFB DELIVERIES

3.4.1 Non-Hazardous Deliveries

All deliveries of construction material and equipment to job sites (including cement trucks) shall use the CCAFS South Gate for access. To

the maximum extent possible, deliveries shall be scheduled between 1000 and 1500 hours to avoid the peak traffic volume times. PAFB Oversized Vehicle Search Area (located on State Road A1A approximately 1 mile north of Pineda Causeway) for access. The operating hours for the Oversized Vehicle Search Area are 0600-1700. After hours access shall be through the South Gate. The driver of each delivery vehicle and their passengers must have the following:

- a. A valid photo ID; and
- b. A valid bill of lading; and
- c. A known delivery point on CCAFSPAFB; and
- d. An on-base or local phone number and POC to vouch for delivery

Only deliveries that can be verified will be allowed to proceed. Special deliveries, deliveries after normal business hours, or deliveries that cannot negotiate through the barricades must be coordinated in advance.

All delivery vehicles shall be inspected by Security Forces personnel prior to being allowed to proceed onto the installation.

3.4.2 Hazardous Deliveries

Deliveries of fuel, large volume of chemicals, or other hazardous materials shall comply with this section. All hazardous deliveries shall enter through the same gates as non-hazardous delivers and have the information required for non-hazardous deliveries (see subpart entitled "Non-Hazardous Deliveries" of this section). Only deliveries that can be verified will be allowed to proceed. In addition, hazardous deliveries must be scheduled a minimum of 48 hours in advance for escort by Security Forces to and from job site. Contractors shall contact the CCAFS Security at 321-853-2121PAFB Security Forces at 321-494-2000 to arrange for hazardous delivery escorts. Deliveries that have not arranged in advance for Security Forces escorts will be turned away and must be re-scheduled.

3.5 RESPONSIBILITIES

The Government reserves the right to revoke badging authority, escort authority and/or base access privileges for any person, at any time and for any reason. Contractor understands that the Government has made every attempt to identify potential delays associated with background checks and badging requirements and those delays have been considered in the construction schedule. Delays resulting from the Contractor's failure to follow the badging guidelines above shall not be considered grounds for contract extension or compensation.

3.6 EXCAVATION

3.6.1 Dig/Utility Locate Permit Requirements

NOTE: This paragraph applies to CCAFS ONLY.

Excavation shall be accomplished only after the Dig permit is received and utility locates accomplished and then with extreme caution to prevent damage to the existing buried utilities in the area. All open trenches

must comply with OSHA regulations. All excavation must be further approved by daily contact with Cape Support (321-853-5211).

3.6.1.1 Location of Buried Structures and Utility Lines

Accurately locate and stake structures and utility lines indicated by the Government provided Utility Locators on CCAFS. Accurately locate and paint structures and utility lines indicated by the Government provided Utility Locators on PAFB. If unidentified underground utilities are encountered during excavation, notify the Contracting Officer and cease operations until they are properly identified.

3.6.1.2 Excavation, Trenching, and Backfilling

Open only those trenches for which material is ready to be placed. As soon as approved by the Technical Representative, trenches shall be backfilled and tamped as required by the drawings and specifications. As a minimum, the topsoil shall be replaced and the disturbed area shall be grassed by seeding, watered and maintained for a minimum of 60 calendar days. All excavation shall be in compliance with OSHA regulations. Mark or barricade construction work which may present a hazard.

3.6.1.3 Cutting of Roads, Streets, Driveways, and Paved Areas

Repair roads, streets, and paved parking areas which require surface cutting under this project within 10 calendar days after initial cutting. The topping shall be a minimum of 2 inches of asphalt and match existing (concrete topping on asphalt areas is not allowed). Mark, barricade, and illuminate construction work on or near roads or streets which may present a traffic hazard per OSHA 29 CFR 1910. Contractor shall provide signaling, lighting, and barricades in the construction area conforming to the Manual on Uniform Traffic Control Devices, OSHA 29 CFR 1926.201 and 1926.202. Closures of Streets, parking lots, and other traffic areas will not be permitted unless approved by the Contracting Officer after written request 14 calendar days before the scheduled closure.

3.6.2 Restrictions

[All excavation at the work site must be accomplished by hand only. Excavating machinery is prohibited.]

[Excavation at the work site may be accomplished with machinery only after underground utilities have been identified and with approval by Contracting Officer.]

Hand digging is required within five feet of located underground utilities.

3.6.3 Temporary Shoring, Bracing And Supports

All new excavation and trenching work shall be securely and safely supported during installation with temporary, but substantial, shoring, bracing, hangers and other supports as required by OSHA regulations. After new work is completed and completely cured (if required) and all permanent fasteners, anchors and supports are properly installed, the temporary supports shall be removed.

3.6.4 Barricades

Guardrails, fences or other suitable barricades and warning lights shall be

placed at all open excavations/trenches which are adjacent to paths, walkways, sidewalks, vehicle parking areas, and other pedestrian or vehicle thoroughfares. Coordinate with 45 CE Environmental prior to placing warning lights.

[3.7 LAND SURVEYING REQUIREMENTS

NOTE: Delete surveying requirements if this is a modification resulting in no change to the footprint of the facility or to above ground or underground utilities or structures external to facilities.

Land surveying, to include all projections and datum points, shall be required for all modifications affecting civil site plans (e.g., utilities, additions, new construction or storm water modifications). The survey shall be performed by a State of Florida Professional Licensed Surveyor (PLS) and shall be submitted by the Contractor in digital and hard copy format.

3.7.1 Contractor Provided Survey Support

Record drawings shall reflect all civil site developments such as new facility and/or land modifications, external structural changes to aboveground structures, and changes to underground structures and utilities external to facilities located on lands owned by or held in leasehold interest of the federal government.

Information in record drawings shall include, but not be limited to:

Location of all new lines, conduits, valves, fittings, fire hydrants, meters, terminal points using at least two ties to permanent points (manholes, power poles, curbs, or storm water inlets), [or GPS coordinates with accuracy to 1 foot or better unless more stringent accuracy requirements are specified in other sections of this contract.] Locate manhole, catch basin, and storm water control structures noting top of rim, inverts, weirs, dimensions and conduit sizes and material entering the structure. An acceptable station and offset system may be used for service lines and fittings only.

Location of new lines from property easement lines or edges of pavement at intervals of 300 feet.

All utility routing and interface changes shall be reflected on the drawings to scale and defined with sufficient dimensions.

Locate with elevation all improvements constructed or modified including but not limited to pavement, striping, curbs, sidewalks, signs, gutters, walls, fences, buildings, pads, open stormwater conveyance systems, stormwater retention/detention ponds, etc. Elevation information should be adequate to illustrate flow patterns, retention capacity and overflow levels. Ground contours at intervals of 1 foot in elevation shall be shown on unpaved areas of the site on the sketch of survey

Contractor shall facilitate the receipt of surveyed coordinates for facility footprint corners coordinates and underground structures and utilities external to facilities by submitting digital data using the

spatial reference identified below to 45 CES through the Contracting Officer within five (5) working days of foundation construction, or open excavation.

Record drawing prints will be drawn at a minimum scale of 1 inch = 100 feet. Areas requiring additional detail shall be enlarged as necessary.

Record drawings shall be provided in digital format. [Geospatially referenced files shall be in [ESRI GIS Geodatabase,] [ESRI GIS Shapefile,] or [AutoCAD DWG] format.] Information should be provided in separate layers/levels as specified by GIS and in at least the same degree of separation as the design drawings that were provided. Designation for naming of layers/levels shall adhere to current DOD, A/E/C CAD Standards with strict adherence to layer format. <https://cadbim.usace.army.mil/>. New like items shall be contained in the same levels to permit easy conversion to GIS layers.

All lines, letters, and details shall be sharp, clean, and fully legible.

[5 (Five) reproducible print and one digital copy in an electronic storage media of the Contractor Survey Record Drawings are required for submittal.] [10 (Ten) reproducible print signed and sealed by a PLS for Agency Submittal and one digital copy in an electronic storage media of the Contractor Survey Record Drawings are required for submittal.]

3.7.1.1 Horizontal Reference Datum

All surveys shall be referenced to Florida State Plane Coordinate System, East Zone, North American Datum 1983/2011 adjustment based on Second order Class II horizontal control monument.

3.7.1.2 Vertical Reference Datum

All surveys shall be referenced to North American Vertical Datum (NAVD) 1988. The survey shall include a description of the reference benchmarks from which the NAVD has been determined.

] 3.8 WELDER QUALIFICATION REQUIREMENTS

3.9 HOISTING AND LIFTING

3.9.1 Lifting Operation Plan

Contractor shall have a Lifting Operation Plan and procedure that is fully in accordance with the requirements of OSHA regulations, and shall include drawings/sketches of lifting slings, lifting equipment, and tag lines. The plan shall show weights, center of gravity, and clearances of load over entire lift. Plans shall have details showing any structural mounting of hoisting equipment on sheaves or structural steel, and shall show loading calculations on any such structural mounting showing forces, weights, turning moments, etc. A procedure shall accompany the drawings describing all lifting operations. Use spreader bars wherever necessary to prevent hoisting cables from contacting equipment/material.

3.10 QUALITY CONTROL

It is the Contractor's responsibility to provide, inspect and document the

level of quality that has been established by all applicable standards, codes and guidelines. The Contractor shall use skilled workers, an adequate number of which are thoroughly trained and have a minimum of 3 years experience in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for the proper performance of the work in each section of these specifications. Contractor shall submit [Superintendent Contact and Qualifications](#) to the Contracting Officer.

3.10.1 Licenses

Contractor or their subcontractors shall be licensed by the State of Florida or have an equivalent out-of-state license in all areas applicable to this contract or as otherwise stated elsewhere in this contract. Copies of licenses and certificates shall be provided to the Contracting Officer. Asbestos Abatement Contractor shall be licensed by the State of Florida.

**NOTE: The paragraph applies to ALL PAFB Projects.
This paragraph may apply to CCAFS project on an as
needed basis.**

[3.10.2 Quality Control Manager

The Quality Control Manager shall direct the execution of the Contractor's approved Quality Control Plan with exclusive responsibility for administration of the plan and inspections of work. The Quality Control Manager shall be available during normal duty within thirty (30) minutes after notification to meet with the Contracting Officer, or designated representative. The Quality Control Manager shall be a different individual than the project superintendent.]

3.10.3 Government Inspection/Approval

When the Contractor considers that the work is acceptable to the Government and is complete, he/she shall inform the Contracting Officer, or designated representative, and the Government Project Manager that the work is complete and ready for inspections. In the event that the work is not acceptable, the Contractor shall record a list of items noted by the Government Project Manager, A subsequent inspection may take place in order to review the corrected items. The Government is not required to inspect all work.

3.10.4 Inspection Files

The Contractor shall be responsible for keeping inspection files for all projects. Files shall include on site records of all inspections conducted by the Contractor and the necessary corrective actions taken. Daily Reports shall be kept and made available to the Government throughout the contract performance period and for the period after completion until final settlement of any claims made under this contract.

3.11 SUPERINTENDENT

Provide name and qualifications and past experience for review. Designate a competent superintendent who shall have full authority to act for the Contractor and who shall be the primary contact with the Government until acceptance. Contractor's superintendent shall be at the job site at all times when work is taking place and shall have full authority to act for

the Contractor.

3.12 CONSTRUCTION SCHEDULING REQUIREMENTS

3.12.1 Contractor Coordination Meetings

Contractor shall attend weekly project meetings, not to exceed 3 hours, scheduled by the Government. [Contractor's Superintendent shall attend the scheduled coordination meetings.] Subcontractor representatives shall attend as required.

Discussion shall address the progress schedule, potential factors of delay, deficiencies, material delivery schedules, submittals, and safety issues.

3.12.2 On-Site Construction Sequence

The required work shall be performed in a sequence to minimize the time when [potable water, air conditioning, panelboards, transformers, power supply, etc.] are [inoperative or out-of-service.] [Remove a single item of equipment, install the new replacement item, tie in required utilities, test, and restore the new item of equipment to fully operational status before removing subsequent equipment.]

-- End of Section --