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DOCUMENT 00 01 15

LIST OF DRAWINGS

04/06

PART 1 GENERAL

1.1 SUMMARY

This document lists the drawings for the project pursuant to contract clause "DFARS 252.236-7001, Contract Drawings, Maps and Specifications."

1.2 DFARS 252.236.7001, CONTRACT DRAWINGS, MAPS AND SPECIFICATIONS (AUG 2000)

(a) The Government will provide to the Contractor, without charge, one set of contract drawings and specifications, except publications incorporated into the technical provisions by reference, in electronic or paper media as chosen by the Contracting Officer.

(b) The Contractor shall-

- (1) Check all drawings furnished immediately upon receipt;
- (2) Compare all drawings and verify the figures before laying out the work;
- (3) Promptly notify the Contracting Officer of any discrepancies;
- (4) Be responsible for any errors that might have been avoided by complying with this paragraph (b); and
- (5) Reproduce and print contract drawings and specifications as needed.

(c) In general-

- (1) Large-scale drawings shall govern small-scale drawings; and
- (2) The Contractor shall follow figures marked on drawings in preference to scale measurements.

(d) Omissions from the drawings or specifications or the misdescription of details of work that are manifestly necessary to carry out the intent of the drawings and specifications, or that are customarily performed, shall not relieve the Contractor from performing such omitted or misdescribed details of the work. The Contractor shall perform such details as if fully and correctly set forth and described in the drawings and specifications.

(e) The work shall conform to the specifications and the contract drawings.

Contract drawings are as follows:

NAVFAC DRAWING #	TITLE
12587818	Title Sheet & Sheet Index
12587819	Project Layout Map
12587820	Section Details

-- End of Document --

SECTION 01 14 00

WORK RESTRICTIONS

07/10

PART 1 GENERAL

1.1 CONTRACTOR ACCESS AND USE OF PREMISES

1.2 Regulations

Ensure that Contractor personnel employed on the Activity become familiar with and obey Activity regulations. Keep within the limits of the work and avenues of ingress and egress. Wear hard hats in designated areas. Do not enter any restricted areas unless required to do so and until cleared for such entry. The Contractor's equipment shall be conspicuously marked for identification.

1.3 Working Hours

Regular working hours shall consist of an 8 1/2 hour period normally between the hours of 7:00 am to 4:30 pm, Monday through Friday, excluding Government holidays.

1.4 Work Outside Regular Hours

Work outside regular working hours requires Contracting Officer approval. Make application 15 calendar days prior to such work to allow arrangements to be made by the Government for inspecting the work in progress. During periods of darkness, the different parts of the work shall be lighted in a manner approved by the Contracting Officer.

1.5 Occupied Buildings

Contractor shall schedule all work to ensure that waste water treatment processes are not interrupted. The Contractor shall be working in and around existing buildings which are occupied. Do not enter the buildings without prior approval of the Contracting Officer.

The existing buildings and their contents shall be kept secure at all times. Provide temporary closures as required to maintain security as directed by the Contracting Officer.

1.6 Utility Cutovers and Interruptions

- a. Permission to interrupt any Activity utility service shall be requested in writing a minimum of 15 calendar days prior to desired date of interruption.
- b. Make utility cutovers and interruptions after normal working hours or on Saturdays, Sundays, and Government holidays. Conform to procedures required in the paragraph "Work Outside Regular Hours."

- c. Ensure that new utility lines are complete, except for the connection, before interrupting existing service.
- d. Interruption to water, sanitary sewer, storm sewer, telephone service, electric service, air conditioning, heating, fire alarm, compressed air, shall be considered utility cutovers pursuant to the paragraph entitled "Work Outside Regular Hours."
- e. Operation of Station Utilities: The Contractor shall not operate nor disturb the setting of control devices in the station utilities system, including water, sewer, electrical, and steam services. The Government will operate the control devices as required for normal conduct of the work. The Contractor shall notify the Contracting Officer giving reasonable advance notice when such operation is required.

1.7 SECURITY REQUIREMENTS

1.7.1 Station Regulations

No employee or representative of the contractor will be admitted to the work site without an Identification Badge or is specifically authorized admittance to the work site by the OIC, NAVFAC Contracts.

1.7.2 Contractor Access to MCAS Cherry Point and Outlying Areas

DOCUMENTATION REQUIRED TO GRANT ACCESS TO COMMERCIAL AND CONTRACT EMPLOYEES (THIS DOCUMENT IS AN AID IN MEETING AIR STATION ORDER 5500.14B REQUIREMENTS AND IS NOT A SUBSTITUTE FOR THE ORDER)

1. The initial approved contract letter from the authorized military contracting agency. The letter must contain the following before being sent to Pass & ID:

- A) The employer's company/business name
- B) Contract number and work location
- C) Contract expiration/termination date
- D) Flightline access: Vehicle gate access (must be gate specific) and/or turnstile access (Normal contractor access is turnstiles only.)
- E) FRC-East access (if required)

2. Employers must provide a letter (on company letterhead) to the Pass & ID office. This may be by e-mailed to chpt_pass-id_omb@usmc.mil, or fax (252-466-2626) or it may be hand carried, listing all employees (to include date and place of birth) who will be requiring access to the installation. Contractors hired for more than 30 days will be issued a contractor's badge after the conditions outlined in this document are met. The badge must be carried or readily accessible at all times while on Station. All badges will be issued for a period NOT TO EXCEED ONE YEAR regardless of the length of the contract. Upon the expiration of the badge, the company/employee will provide a new 50 state/national criminal record check prior to being re-badged.

3. Any access from 1 day to less than 30 days, employers will provide the same documentation as stated above. In place of a badge, a copy of this letter with the worker's name highlighted, stamped with the "Pass & ID" stamp, "Criminal Records Check (CRC) Sighted", and we will also annotate below the stamps the following statement: "Valid until (expiration date) then date and initial it." This document will be issued to each worker and

IS their authorization to be aboard the installation. This letter must be carried on their person or readily accessible at all times while on Station.

4. All employers/employees must provide a CRC from any internet investigative service or any other investigative service company that provides a 50 state/national criminal records check and a check of the Sexual Offenders List. (Local county/state checks are not authorized and will not be accepted.) This record check must be a "complete" check covering the period from at the minimum their 18th birthday to present. The CRC must also contain a statement that this is a "national records check" or the terminology the agency uses to indicate such. Please be sure of what you are requesting. If it is anything less than a national check, it will be rejected. The CRC can not be more than 30 days old at the time it is presented to Pass & ID personnel. CRCs may be obtained from, but not limited to the following sources (*):

- A) WWW.INTEGRASCAN.COM
- B) WWW.SENTRYLINK.COM
- C) WWW.CRIMINALWATCHDOG.COM
- D) WWW.CASTLEBRANCH.COM
- E) WWW.PEOPLESCANNER.COM
- F) WWW.KROLLBACKGROUNDSCREENING.COM
- G) WWW.BACKGROUNDCHECKS.COM
- H) WWW.INSTANTPEOPLECHECK.COM
- I) WWW.AMERICANBACKGROUND.COM
- J) WWW.LEXISNEXIS.COM

Cost of a background check can vary anywhere from \$19 to \$60 based on the type or amount of services requested. Minimum information required for a background check is the individual's Last Name, First Name, Middle name (optional) and Date of Birth. A social security number verification is also available at an additional cost.

5. In accordance with ASO 5500.14B (not an all inclusive list), access will be denied if the individual:

- A) Is on the National Terrorist Watch List.
- B) Is illegally present in the United States.
- C) Is currently debarred or banned from military installations.
- D) Is a registered sex offender or been convicted of any child abuse or related offense(s).
- E) Is a convicted felon within the past 5 years.
- F) Convicted of any drug offense within the past 5 years.
- G) Is subject to an outstanding warrant or is currently pending trial.
- H) Has knowingly submitted a false/fraudulent employment questionnaire.
- I) Any reason the Installation Commander deems reasonable for good order & discipline.
- J) Individuals convicted of a DUI/DWI within the past year will be allowed aboard but not be permitted to drive.

- 6. Picture ID from a state or federal agency (i.e., valid driver's license or state identification card).
- 7. Social Security Card or any official document listing the SSN (letter from Social Security Administration listing the SSN, W-2 (tax form), DD-214, pay stub listing complete SSN). An additional source may be through the internet with E-Verify
- 8. Birth certificates and passports are used when necessary to verify citizenship and are never used as a means to verify social security

numbers.

9. If the employee is not a U.S. Citizen, PROOF OF IMMIGRATION STATUS must be provided and carried on their person or be readily accessible at all times while on station. Proof must also be provided if an individual is a naturalized U.S. citizen.
10. Due to recent changes with Privacy laws, please do not include social security numbers or DOBs in the company letters being faxed or emailed to this office. Additionally, all criminal record checks must be hand carried by the individual worker or brought in by the supervisor.
11. As of 19 Dec 07 security clearances are no longer valid as a means for requesting access to the installation. All personnel hired as commercial or contractor employees to work for a company aboard the installation will be required to provide a 50 state/national criminal check.
12. The changes in this document are effective as of 1 June 2010.

Note: Until further notice, ID cards and vehicle passes issued to contractors at Camp Lejeune and New River are currently not valid at Cherry Point without a 50 state/national CRC in their possession at the time they are requesting access at MCAS Cherry Point.

(*) The United States Government and the United States Marine Corps does not endorse nor are they affiliated with any of the screening services provided above. We must be able to verify/validate the information contained in the CRC via telephone. If we are unable to validate the CRC the clearance information will not be accepted.

(**) Due to recent developments concerning the screening services of Criminal CBS and Net Detective, they are no longer authorized as a means for entry at MCAS Cherry Point.

PART 2 EXECUTION

Not Used

-- End of Section --

SECTION 01 30 00
 ADMINISTRATIVE REQUIREMENTS
 04/06

PART 1 GENERAL

1.1 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only or as otherwise designated. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. The following shall be submitted per Section 01 33 00 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

List of contact personnel

1.2 MINIMUM INSURANCE REQUIREMENTS

Procure and maintain during the entire period of performance under this contract the following minimum insurance coverage:

- a. Comprehensive general liability: \$500,000 per occurrence
- b. Automobile liability: \$200,000 per person, \$500,000 per occurrence for bodily injury, \$20,000 per occurrence for property damage
- c. Workmen's compensation as required by Federal and State workers' compensation and occupational disease laws.
- d. Employer's liability coverage of \$100,000, except in States where workers compensation may not be written by private carriers,
- e. Others as required by North Carolina State law.
- f. The Cancellation clause on the insurance certificate should read:

"Cancellation or any material change in the policies adversely affecting the interest of the Government in such insurance shall not be effective for such period as may be prescribed by the laws of the State in which this contract is to be performed and in no event less than **thirty (30)** days after written notice thereof to the Contracting Officer."

1.3 CONTRACTOR PERSONNEL REQUIREMENTS

1.3.1 Subcontractors and Personnel

Furnish a list of contact personnel of the Contractor and subcontractors including addresses and telephone numbers for use in the event of an emergency. As changes occur and additional information becomes available, correct and change the information contained in previous lists.

1.3.2 Identification Badges

Identification badges will be furnished without charge. Application for and use of badges will be as directed. Immediately report instances of lost or stolen badges to the Contracting Officer.

Commercial and contract employees will be issued a contractor's badge good for one year. Commercial and contract employees are required to resubmit a complete 50 state criminal records check in order to renew their contractor's badge.

If an employee is terminated prior to end of the contract, the contractor shall return the base identification card to the Contracting Officer. This requirement also applies to all sub-contract employees.

In no event will a contractor employee be permitted access to the US Marine Corps Air Station for the purpose of on-site performance without the documentation.

1.3.3 Subcontractor Special Requirements

1.3.3.1 Asbestos Containing Material

All contract requirements assigned to the Private Qualified Person (PQP) shall be accomplished directly by a first tier subcontractor.

1.3.4 Contractor Personnel Requirements

Follow Security requirements addressed in 01 14 00 WORK RESTRICTIONS.

1.4 SUPERVISION

Have at least one qualified supervisor capable of reading, writing, and conversing fluently in the English language on the job site during working hours. In addition, if a Quality Control (QC) representative is required on the contract, then that individual shall also have fluent English communication skills.

1.5 PRECONSTRUCTION CONFERENCE

After award of the contract but prior to commencement of any work at the site, meet with the Contracting Officer to discuss and develop a mutual understanding relative to the administration of the value engineering and safety program, preparation of the schedule prices, shop drawings, and other submittals, scheduling programming, and prosecution of the work. Major subcontractors who will engage in the work shall also attend.

1.6 LEVEL "C" PARTNERING

To most effectively accomplish the contract, the Government requires the formation of a cohesive partnership with the contractor and its subcontractors. The partnering relationship is based upon trust, dedication to common goals, an understanding of each other's expectations and values, and a commitment to success. The goals of the partnering process are improved communication, efficiency and cost effectiveness, increased opportunity for innovation, and the continuous improvement of product quality. The partnership will strive to draw in the strength of each organization in an effort to achieve a quality project done right the

first time, within budget, on schedule, and without any safety mishaps, thereby providing the opportunity for the contractor to make a reasonable profit. This level of partnering is an introduction to partnering concepts and benefits and should become a part of the preconstruction conference. The senior ROICC and contract persons present will jointly host the initial session. The partners will determine the frequency of the follow-on sessions. Partnering sessions should be held at or near the location of the ROICC office.

1.7 ELECTRONIC MAIL (E-MAIL) ADDRESS

The Contractor shall establish and maintain electronic mail (e-mail) capability along with the capability to open various electronic attachments in Microsoft, Adobe Acrobat, and other similar formats. Within 10 days after contractor award, the Contractor shall provide the Contracting Officer a single (only one) e-mail address for electronic communications from the Contracting Officer related to this contract including, but not limited to contract documents, invoice information, request for proposals, and other correspondence. The Contracting Officer may also use e-mail to notify the Contractor of base access conditions when emergency conditions warrant, such as hurricanes, terrorist threats, etc. Multiple e-mail addresses will not be allowed.

It is the Contractor's responsibility to make timely distribution of all Contracting Officer initiated e-mail with its own organization including the field office(s). The Contractor shall promptly notify the Contracting Officer, in writing, of any changes to this e-mail address.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

Not used.

-- End of Section --

SECTION 01 35 29

SAFETY AND OCCUPATIONAL HEALTH REQUIREMENTS

04/06

PART 1 GENERAL

1.1 REFERENCES

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.

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

ANSI A10.32 Personal Fall Protection - Safety Requirements for Construction and Demolition Operations

ANSI Z359.1 (1992; R 1999) Safety Requirements for Personal Fall Arrest Systems, Subsystems and Components

ANSI/ASSE A10.34 (2001) Protection of the Public on or Adjacent to Construction Sites

U.S. ARMY CORPS OF ENGINEERS (USACE)

EM 385-1-1 (2003) Safety -- Safety and Health Requirements

1.2 SITE QUALIFICATIONS, DUTIES AND MEETINGS

1.2.1 Personnel Qualifications

1.2.1.1 Site Safety and Health Officer (SSHO)

Site Safety and Health Officer (SSHO) shall be provided at the work site at all times to perform safety and occupational health management, surveillance, inspections, and safety enforcement for the Contractor. The Contractor Quality Control (QC) person can be the SSHO on this project. The SSHO shall meet the following requirements:

Level 1:

- Worked on similar projects.
- 10-hour OSHA construction safety class or equivalent within last 3 years.
- Competent person training as needed.

1.2.2 Personnel Duties

1.2.2.1 Site Safety and Health Officer (SSHO)/Superintendent

- a. Conduct daily safety and health inspections and maintain a written log which includes area/operation inspected, date of inspection, identified hazards, recommended corrective actions, estimated and actual dates of corrections. Safety inspection logs shall be attached to the Contractors' daily production/quality control report.

- b. Conduct mishap investigations and complete required reports. Maintain the OSHA Form 300 and Daily Production reports for prime and sub-contractors.
- c. Maintain applicable safety reference material on the job site.
- d. Attend the pre-construction conference, pre-work meetings including preparatory inspection meeting, and periodic in-progress meetings.
- e. Implement and enforce accepted APPS and AHAs.
- f. Maintain a safety and health deficiency tracking system that monitors outstanding deficiencies until resolution. A list of unresolved safety and health deficiencies shall be posted on the safety bulletin board.
- g. Ensure sub-contractor compliance with safety and health requirements.

Failure to perform the above duties will result in dismissal of the superintendent and/or SSO, and a project work stoppage. The project work stoppage will remain in effect pending approval of a suitable replacement.

1.2.3 Meetings

1.2.3.1 Preconstruction Conference

- a. Contractor representatives who have a responsibility or significant role in accident prevention on the project shall attend the preconstruction conference. This includes the project superintendent, site safety and health officer, quality control supervisor, or any other assigned safety and health professionals who participated in the development of the APP (including the Activity Hazard Analyses (AHAs) and special plans, program and procedures associated with it).
- b. The Contractor shall discuss the details of the submitted APP to include incorporated plans, programs, procedures and a listing of anticipated AHAs that will be developed and implemented during the performance of the contract. This list of proposed AHAs will be reviewed at the conference and an agreement will be reached between the Contractor and the Contracting Officer's representative as to which phases will require an analysis. In addition, a schedule for the preparation, submittal, review, and acceptance of AHAs shall be established to preclude project delays.
- c. Deficiencies in the submitted APP will be brought to the attention of the Contractor at the preconstruction conference, and the Contractor shall revise the plan to correct deficiencies and re-submit it for acceptance. Work shall not begin until there is an accepted APP.
- d. The functions of a Preconstruction conference may take place at the Post-Award Kickoff meeting for Design Build Contracts.

1.3 ACCIDENT PREVENTION PLAN (APP)

The Contractor shall use a qualified person to prepare the written site-specific APP. Prepare the APP in accordance with the format and requirements of USACE EM 385-1-1 and as supplemented herein. Cover all

paragraph and subparagraph elements in USACE EM 385-1-1, Appendix A, "Minimum Basic Outline for Accident Prevention Plan". Specific requirements for some of the APP elements are described below. The APP shall be job-specific and shall address any unusual or unique aspects of the project or activity for which it is written. The APP shall interface with the Contractor's overall safety and health program. Any portions of the Contractor's overall safety and health program referenced in the APP shall be included in the applicable APP element and made site-specific. The Government considers the Prime Contractor to be the "controlling authority" for all work site safety and health of the subcontractors. Contractors are responsible for informing their subcontractors of the safety provisions under the terms of the contract and the penalties for noncompliance, coordinating the work to prevent one craft from interfering with or creating hazardous working conditions for other crafts, and inspecting subcontractor operations to ensure that accident prevention responsibilities are being carried out. The APP shall be signed by the person and firm (senior person) preparing the APP, the Contractor, the on-site superintendent, the designated site safety and health officer and any designated CSP and/or CIH.

Submit the APP to the Contracting Officer 15 calendar days prior to the date of the preconstruction conference for acceptance. Work cannot proceed without an accepted APP.

Once accepted by the Contracting Officer, the APP and attachments will be enforced as part of the contract. Disregarding the provisions of this contract or the accepted APP will be cause for stopping of work, at the discretion of the Contracting Officer, until the matter has been rectified.

Once work begins, changes to the accepted APP shall be made with the knowledge and concurrence of the Contracting Officer, project superintendent, SSHO and quality control manager. Should any hazard become evident, stop work in the area, secure the area, and develop a plan to remove the hazard. Notify the Contracting Officer within 24 hours of discovery. Eliminate/remove the hazard. In the interim, all necessary action shall be taken to restore and maintain safe working conditions in order to safeguard onsite personnel, visitors, the public (as defined by ANSI/ASSE A10.34,) and the environment.

Copies of the accepted plan will be maintained at the Contracting Officer's office and at the job site.

The APP shall be continuously reviewed and amended, as necessary, throughout the life of the contract. Unusual or high-hazard activities not identified in the original APP shall be incorporated in the plan as they are discovered.

1.4 SITE SAFETY REFERENCE MATERIALS

Maintain safety-related references applicable to the project, including those listed in the article "References." Maintain applicable equipment manufacturer's manuals.

1.5 EMERGENCY MEDICAL TREATMENT

Contractors will arrange for their own emergency medical treatment. Government has no responsibility to provide emergency medical treatment.

1.6 REPORTS

1.6.1 Accident Reports

a. For recordable injuries and illnesses, and property damage accidents resulting in at least \$2,000 in damages, the Prime Contractor shall conduct an accident investigation to establish the root cause(s) of the accident, complete the and provide the report to the Contracting Officer within 5 calendar day(s) of the accident. The Contracting Officer will provide copies of any required or special forms.

b. For any weight handling equipment accident (including rigging gear accidents) the Prime Contractor shall conduct an accident investigation to establish the root cause(s) of the accident, complete the WHE Accident Report (Crane and Rigging Gear) form and provide the report to the Contracting Officer within 30 calendar days of the accident. Crane operations shall not proceed until cause is determined and corrective actions have been implemented to the satisfaction of the contracting officer. The Contracting Officer will provide a blank copy of the accident report form.

1.6.2 Accident Notification

1.6.3 Monthly Exposure Reports

Monthly exposure reporting to the Contracting Officer is required to be attached to the monthly billing request. This report is a compilation of employee-hours worked each month for all site workers, both prime and subcontractor. The Contracting Officer will provide copies of any special forms.

PART 2 PRODUCTS

PART 3 EXECUTION

3.1 CONSTRUCTION AND/OR OTHER WORK

3.1.1 Unforeseen Hazardous Material

The design should have identified materials such as PCB, lead paint, and friable and non-friable asbestos. If material, not indicated, that may be hazardous to human health upon disturbance during construction operations is encountered, stop that portion of work and notify the Contracting Officer immediately. Within 14 calendar days the Government will determine if the material is hazardous. If material is not hazardous or poses no danger, the Government will direct the Contractor to proceed without change. If material is hazardous and handling of the material is necessary to accomplish the work, the Government will issue a modification pursuant to "FAR 52.243-4, Changes" and "FAR 52.236-2, Differing Site Conditions."

3.2 PRE-OUTAGE COORDINATION MEETING

Contractors are required to apply for utility outages at least 15 days in advance. As a minimum, the request should include the location of the outage, utilities being affected, duration of outage and any necessary sketches. Special requirements for electrical outage requests are contained elsewhere in this specification section. Once approved, and prior to beginning work on the utility system requiring shut down, the

Contractor shall attend a pre-outage coordination meeting with the Contracting Officer to review the scope of work and the lock-out/tag-out procedures for worker protection. No work will be performed on energized electrical circuits unless proof is provided that no other means exist.

3.3 FALL HAZARD PROTECTION AND PREVENTION PROGRAM

The Contractor shall establish a fall protection and prevention program, for the protection of all employees exposed to fall hazards. The program shall include company policy, identify responsibilities, education and training requirements, fall hazard identification, prevention and control measures, inspection, storage, care and maintenance of fall protection equipment and rescue and evacuation procedures.

3.3.1 Training

The Contractor shall institute a fall protection training program. As part of the Fall Hazard Protection and Prevention Program, the Contractor shall provide training for each employee who might be exposed to fall hazards. A competent person for fall protection shall provide the training. Training requirements shall be in accordance with USACE EM 385-1-1, section 21.A.16.

3.3.2 Fall Protection Equipment and Systems

The Contractor shall enforce use of the fall protection equipment and systems designated for each specific work activity in the Fall Protection and Prevention Plan and/or AHA at all times when an employee is exposed to a fall hazard. Employees shall be protected from fall hazards as specified in EM 385-1-1, section 21. In addition to the required fall protection systems, safety skiff, personal floatation devices, life rings etc., are required when working above or next to water in accordance with USACE EM 385-1-1, paragraphs 05.H. and 05.I. Personal fall arrest systems are required when working from an articulating or extendible boom, swing stages, or suspended platform. In addition, personal fall arrest systems are required when operating other equipment such as scissor lifts if the work platform is capable of being positioned outside the wheelbase. The need for tying-off in such equipment is to prevent ejection of the employee from the equipment during raising, lowering, or travel. Fall protection must comply with 29 CFR 1926.500, Subpart M, USACE EM 385-1-1 and ANSI A10.32.

3.3.2.1 Personal Fall Arrest Equipment

Personal fall arrest equipment, systems, subsystems, and components shall meet ANSI Z359.1. Only a full-body harness with a shock-absorbing lanyard or self-retracting lanyard is an acceptable personal fall arrest body support device. Body belts may only be used as a positioning device system (for uses such as steel reinforcing assembly and in addition to an approved fall arrest system). Harnesses shall have a fall arrest attachment affixed to the body support (usually a Dorsal D-ring) and specifically designated for attachment to the rest of the system. Only locking snap hooks and carabiners shall be used. Webbing, straps, and ropes shall be made of synthetic fiber. The maximum free fall distance when using fall arrest equipment shall not exceed 1.8 m (6 feet). The total fall distance and any swinging of the worker (pendulum-like motion) that can occur during a fall shall always be taken into consideration when attaching a person to a fall arrest system.

3.3.3 Fall Protection for Roofing Work

Fall protection controls shall be implemented based on the type of roof being constructed and work being performed. The roof area to be accessed shall be evaluated for its structural integrity including weight-bearing capabilities for the projected loading.

a. Low Sloped Roofs:

(1) For work within 1.8 m (6 feet) of an edge, on low-slope roofs, personnel shall be protected from falling by use of personal fall arrest systems, guardrails, or safety nets.

(2) For work greater than 1.8 m (6 feet) from an edge, warning lines shall be erected and installed in accordance with 29 CFR 1926.500 and USACE EM 385-1-1.

b. Steep-Sloped Roofs: Work on steep-sloped roofs requires a personal fall arrest system, guardrails with toe-boards, or safety nets. This requirement also includes residential or housing type construction.

3.3.4 Existing Anchorage

Existing anchorages, to be used for attachment of personal fall arrest equipment, shall be certified (or re-certified) by a qualified person for fall protection in accordance with ANSI Z359.1. Existing horizontal lifeline anchorages shall be certified (or re-certified) by a registered professional engineer with experience in designing horizontal lifeline systems.

3.3.5 Horizontal Lifelines

Horizontal lifelines shall be designed, installed, certified and used under the supervision of a qualified person for fall protection as part of a complete fall arrest system which maintains a safety factor of 2 (29 CFR 1926.500).

3.3.6 Guardrails and Safety Nets

Guardrails and safety nets shall be designed, installed and used in accordance with EM 385-1-1 and 29 CFR 1926 Subpart M.

3.3.7 Rescue and Evacuation Procedures

When personal fall arrest systems are used, the contractor must ensure that the mishap victim can self-rescue or can be rescued promptly should a fall occur. A Rescue and Evacuation Plan shall be prepared by the contractor and include a detailed discussion of the following: methods of rescue; methods of self-rescue; equipment used; training requirement; specialized training for the rescuers; procedures for requesting rescue and medical assistance; and transportation routes to a medical facility. The Rescue and Evacuation Plan shall be included in the Activity Hazard Analysis (AHA) for the phase of work, in the Fall Protection and Prevention (FP&P) Plan, and the Accident Prevention Plan (APP).

3.4 SCAFFOLDING

3.4.1 Stilts

The use of stilts for gaining additional height in construction, renovation, repair or maintenance work is prohibited.

3.5 EQUIPMENT

3.5.1 Material Handling Equipment

a. Material handling equipment such as forklifts shall not be modified with work platform attachments for supporting employees unless specifically delineated in the manufacturer's printed operating instructions.

b. The use of hooks on equipment for lifting of material must be in accordance with manufacturer's printed instructions.

c. Operators of forklifts or power industrial trucks shall be licensed in accordance with OSHA.

3.5.2 Weight Handling Equipment

a. Cranes and derricks shall be equipped as specified in EM 385-1-1, section 16.

b. The Contractor shall comply with the crane manufacturer's specifications and limitations for erection and operation of cranes and hoists used in support of the work. Erection shall be performed under the supervision of a designated person (as defined in ASME B30.5). All testing shall be performed in accordance with the manufacturer's recommended procedures.

c. Under no circumstance shall a Contractor make a lift at or above 90% of the cranes rated capacity in any configuration.

d. Portable fire extinguishers shall be inspected, maintained, and recharged as specified in NFPA 10, Standard for Portable Fire Extinguishers.

e. All employees shall be kept clear of loads about to be lifted and of suspended loads.

f. The Contractor shall use cribbing when performing lifts on outriggers.

g. The crane hook/block must be positioned directly over the load. Side loading of the crane is prohibited.

h. A physical barricade must be positioned to prevent personnel from entering the counterweight swing (tail swing) area of the crane.

i. Certification records which include the date of inspection, signature of the person performing the inspection, and the serial number or other identifier of the crane that was inspected shall always be available for review by Contracting Officer personnel.

j. Written reports listing the load test procedures used along with

any repairs or alterations performed on the crane shall be available for review by Contracting Officer personnel.

k. Certify that all crane operators have been trained in proper use of all safety devices (e.g. anti-two block devices).

3.6 EXCAVATIONS

The competent person shall perform soil classification in accordance with 29 CFR 1926.

3.6.1 Utility Locations

Prior to digging, the appropriate digging permit must be obtained. All underground utilities in the work area must be positively identified by a private utility locating service in addition to any station locating service and coordinated with the station utility department. Any markings made during the utility investigation must be maintained throughout the contract.

3.6.2 Utility Location Verification

The Contractor must physically verify underground utility locations by hand digging using wood or fiberglass handled tools when any adjacent construction work is expected to come within three feet of the underground system. Digging within 0.061 m (2 feet) of a known utility must not be performed by means of mechanical equipment; hand digging shall be used. If construction is parallel to an existing utility the utility shall be exposed by hand digging every 30.5 m (100 feet) if parallel within 1.5 m (5 feet) of the excavation.

-- End of Section --

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SCOPE OF WORK

05/11

PART 1 GENERAL

1.1 SCOPE OF WORK:

1.1.1 Project Description

The repair work shall include removal of two 7-pile cluster dolphins that have been damaged and installation of two new 7-pile cluster dolphins and the installation of four guide posts for spill containment booms.

1.1.2 Location

The work shall be located at the BT-11 Fuel Docks approximately as indicated. The exact location will be shown by the Contracting Officer.

1.1.3 Transportation and Facilities The Contractor shall provide transportation of all labor, equipment, and materials between the mainland and BT-11. No overnight stays at BT-11 will be allowed for Contractor's labor. Except for anchorage at BT-11, restroom facilities in B-9012 and B-9014, and a small staging area at BT-11, no Government facilities, docks, ramps, boats, labor, equipment, or materials will be provided to support the Contractor.

1.1.4 Coordination of Work

All work at BT-11 shall be coordinated with the Contracting Officer and the BT-11 Range Manager. Normal working hours are 7:30 am to 5:00 pm, Monday through Friday.

1.1.5 Superintendent

Contractor shall provide a superintendent at BT-11 whenever work is being performed. Superintendent shall also serve as the project Quality Control Manager and the Site Safety and Health Officer (SSHO), provided that person is qualified and experienced to perform all duties.

1.1.6 Safety

Contractor shall comply with the Safety and Health Requirements Manual of the US Army Corps of Engineers, EM385-1-1.

1.2 OTHER DETAILED REQUIREMENTS:

a. PROPERTY DISPOSAL: All demolished material shall become the property of the Contractor and all material shall be disposed per all Federal, State and Local regulations.

b. GROUND WATER AND SOIL CONTAMINATION: There are no known contaminated soils and groundwater at this site. Should contamination be suspected, stop all work and contact the Contracting Officer's representative for instructions and guidance.

c. HISTORICAL AND ARCHEOLOGICAL ARTIFACTS: There are no known historical or archeological artifacts remaining at this site. Contractor shall rely on visual examination during execution of the work to determine if there are suspect artifacts. Should historical or archeological artifacts be suspected, stop all work and contact the Contracting Officer's representative for instructions and guidance. Base bid on finding no artifacts at the site.

d. PROTECTION OF EXISTING UNDERGROUND MONITORING WELLS AND DRAINAGE STRUCTURES: There are no wells or drainage structures within the area of work for this project.

e. DEMOLITION:

1. The contractor shall schedule all work efforts to avoid conflicts with employees arriving and leaving the fuel docks.

2. The contractor shall be responsible for any damage to Government property during the performance of this contract.

3. Load and haul all recyclable and non-salvageable debris off government property at no additional cost to the government. Disposal fees shall be the contractor's responsibility. All disposal efforts shall be in accordance with Federal, State and Local regulations.

4. The areas outside of the contractor's work area shall be maintained clean of all debris associated with the contractor's efforts at the end of each working day and upon completion of the project.

5. Contractor shall visit site to determine exact labor, supervision, materials and equipment required to perform the entire job prior to submitting bid.

6. Blasting is not permitted.

1.3 FEATURES OF ITEMS TO BE DEMOLISHED

a. SIZE: The two existing mooring dolphins consist of seven 12" piles. One dolphin is complete and the other has already been partially demolished. Contractor is to verify what is left of the two mooring dolphins. All existing dolphin piles, whole or residual, shall be pulled up from the bottom of the basin and removed.

1.4 SUBMITTALS

- a. Wood Pile Specifications
- b. Wire Rope and Fittings Specifications
- c. Piling Protection Specifications
- d. Pile Jetting Procedures
- e. Pile Jetting Records
- f. Preservative Treatment Reports
- g. As-Built Drawing
- h. Warranty

1.5 ENVIRONMENTAL

Contractor shall abide by North Carolina and Army Corps of Engineers rules and regulations regarding construction work in a sensitive marine environment. Contractor shall protect the environment during the execution of the work and shall have a plan in place to respond to any emergency situation. No release and no dumping of fuels or any type of waste products is allowed.

PART 2 PRODUCTS

Piles Mooring dolphin piles shall be 12" minimum diameter timber piles

conforming to ASTM D25 with a minimum safe pile capacity of 10 tons per pile. Guide post piles shall be 8" minimum square timber piles of "C" or better southern yellow pine, Marine Grade 2.5.

Wire Rope and Fittings Wire rope shall be FF RR-W-410, Type III, Class 2 or 3. Provide staples of .375 inch diameter zinc-coated steel at least 5 inches long. Provide clips or clamps of zinc-coated steel. Zinccoating is to be galvanized steel specified or indicated by the hot-dip process in accordance with ASTM A 123/A 123M or ASTM A 153/A 153M, as applicable. H-Beam shall be 6" and constructed of 6061 Aluminum. Provide 3/8"x6" stainless steel lag bolts and washers to secure H-Beam to guide post pilings.

PART 3 EXECUTION

3.1 Demolition

3.1.1 Demo existing mooring dolphins. All piles shall be entirely extracted. Cutting off piles below water level is not permitted.

3.1.2 Do not begin demolition until authorization is received from the Contracting Officer.

The work includes demolition of identified items and materials, and removal of resulting rubbish and debris. Remove rubbish and debris from Government property daily; do not allow accumulations at the site, unless otherwise directed. Store materials that cannot be removed daily in areas specified by the Contracting Officer. In the interest of occupational safety and health, perform the work in accordance with EM 385-1-1 Section 23 Demolition and other applicable Sections.

3.1.3 All materials not reused shall become the property of the Contractor and shall be removed from Government property.

3.1.4 Blasting and burning is not permitted.

3.2 Construction

3.2.1 Mooring Dolphins

Based on past projects in this area piles shall be jetted to a depth of at least 25' below the waterline. Average depth of the water in this area is 3.5'. Mud and water from jetting shall be contained on site and not allowed to wash into the adjacent waters.

3.2.2 Wrapping Mooring Dolphins

Fasten ends of wire rope with two zinc-coated clips or clamps. Draw piles together, and bear on adjacent piles as shown. Attach wire rope to piles with staples.

3.2.3 Guide Post

Based on past projects piles shall be jetted to a depth of at least 8' below the ground. Mud and water from jetting shall be contained on site and not allowed to wash into the adjacent waters.

3.2.4 Aluminum H-Beam

The aluminum H-beam shall be secured to the guide post using eight 3/8"x6" stainless steel lag bolts and washers.

3.2.5 Piling Protection

In accordance with AWP A M4, immediately after pile tops are cut off, protect pile with several heavy applications of the same preservative used to treat the pile or post, or use copper naphthenate solutions containing a minimum or

2 percent copper metal to treat the products. Seal ends with a heavy application of coal-tar pitch or other appropriate sealer.

3.2.6 Galvanized Surfaces

Repair and recoat zinc coating which has been field or shop cut, burned by welding, abraded, or otherwise damaged to such an extent as to expose the base metal. Thoroughly clean the Replace Cluster Dolphin damaged areas by wire brushing and remove traces of welding flux and loose or cracked zinc coating prior to painting. Paint cleaned area with two coats of zinc-oxide dust paint conforming to MIL-P-21035. Compound paint with a suitable vehicle in a ratio of one part zinc oxide to four parts zinc dust by weight.

-- End of Section --