

MUHJ 10-4176 Repair and Renovate Dorm, F. 123
Joint Base Langley-Eustis

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PROJECT NUMBER AND TITLE HERE

SECTION 01 06 00
REGULATORY REQUIREMENTS

PART 1 - GENERAL

1.1 SECTION INCLUDES:

- a. Regulatory Codes.
- b. Air Force Regulations.
- c. Permits.

1.2 REGULATORY CODES: The latest editions of Federal, State, Industry and local codes which govern this work include, but may not be limited to:

a. Federal:

1. Part 1926 - Chapter of Title 29, Code of Federal Regulations.
2. Part 192 - Chapter of Title 49, Code of Federal Regulations.
3. Corps of Engineers Safety and Health Requirement Manual, EM 385-1-1.
4. National Historic Preservation Act of 1966 as amended and 1980 as amended.
5. Executive Order 13101 - "Greening the Government through Waste Prevention, Recycling and Federal Acquisition"
6. Resource Conservation and Recovery Act Section 6002
7. FAR Clause 52.223-4 Recovered Materials Certification
8. FAR Clause 52.223-9 Certification of Percentage of Recovered Material Content for EPA Designated Items Used in Performance of the Contract
9. FAR Clause 52.223-10 Waste Reduction Program

b. State:

1. Virginia State Enforcement.

1.3 AIR FORCE REGULATIONS: The latest editions of the following Air Force Regulations shall apply to this work:

- a. MIL Handbook 1190, Facility Planning and Design Guide.
- b. Air Force Safety and Health Standard: AFR127-12, Air Force Occupational Safety and Health Program, and applicable standards.

1.4 PERMITS:

- a. The Contractor shall apply for and obtain the following permits, in addition to any other required permits, as applicable:
 1. Disposal of Hazardous Materials.
- b. The Contractor shall be responsible for payment of any fees associated with acquiring the required permits and should reflect those costs in his/her bid proposal.

PART 2 - PRODUCTS: NOT USED.

PART 3 - EXECUTION: NOT USED.

XXX END OF SECTION XXX

SECTION 01 11 00

SPECIAL CONDITIONS

REVISED 04 JANUARY 2011

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.

SECTION 01 12 00 Environmental Special Conditions [Langley Air Force Base (AFB), Joint Base Langley-Eustis (JBLE)]

U.S. ARMY CORPS OF ENGINEERS (USACE) EM 385-1-1
(2003 or most current version) Safety and Health Requirements

LANGLEY AFB, JBLE TELECOMMUNICATIONS BUILDING CABLING SYSTEMS STANDARDS
(Langley AFB, JBLE Specification 27 10 10 dated 02 June 2008 or most current version)

1.2 SUBMITTALS

The following items specified herein shall be submitted in accordance with SUBMITTAL PROCEDURES:

SD-03 Product Data

Material Safety Data Sheet (MSDS) for each item

State and EPA Region 3 Notifications

Recycling Report

Trip Tickets

Affirmative Procurement Report

Exemption Form, Annex B to LAFB Affirmative Procurement Plan

32-7080

All Employee Names and Social Security Numbers

Work Clearance Requests (Air Force Form 103)

Quality Control (QC) Report

SD-11 Closeout Submittals

Survey Report

Metadata

Deliverables and Final As-builts

Three copies of Computer-Aided Drafting and Design (CADD) digital final as-built drawings on CD's

One As-Built (Redline) Drawings

Warranty of Construction

Equipment Warranty Certificate

Equipment Warranty/Guarantee Record

Construction Data Worksheet and DD Form 1354 Acceptance and Transfer of Real Property Facilities

NOTE TO SPECIFIER (Delete this note from the final specs): Provide text explaining submittal requirements for the item, if necessary. Indent first line of the explanatory text two spaces to provide clarity when document is printed without color and with tags off.

1.2.1 SUBMITTAL PROCEDURES

1.2.1.1 Schedule of Material Submittals (Air Force Form 66)

Information, shop drawings, certificates, test data, etc., listed on the attached AF Form 66, Schedule of Material Submittals, shall be submitted for approval by the Contracting Officer, or his/her designated representative in accordance with the General Provisions. Whenever in this contract materials or drawings are required to be submitted by the Contractor to the Contracting Officer for approval and the material or drawings submitted are at variance with the specifications or Government drawings, but are, nevertheless, approved by the Contracting Officer, inadvertently and without consciousness of the variance, and regardless that a closer review could have revealed the variance, then such approval shall not be final unless the **Contractor** expressly noted in a memorandum to the Contracting Officer, on the material submittal or drawing that "this material or drawing varies from specifications in the following aspects --" or uses other works of similar clear meaning. In the event of such an inadvertent, erroneous approval, the Contracting Officer, upon discovering the variance at any stage, have the right to require the Contractor to do such rework and/or material replacement as is necessary to obtain compliance with the specifications, and the expense of such rework and material replacement shall be borne solely by the Contractor.

- a. Submittals for technical compliance of finishes may be made individually for each material. **SUBMITTALS FOR PATTERN, COLOR, TEXTURE, ETC., SHALL BE MADE SIMULTANEOUSLY FOR EACH ROOM OR AREA.** Finishes shall be scheduled for each room/area to include surface, type material, manufacturer, brand name or product number, and space for the Government selection of pattern/color.

EXAMPLE:

Room 100

Floor:	vinyl	Tarkett	Reliant	(62107 Adobe)
Floor:	carpet	Milliken	Magistrate	(21 Clan Henna)
Wall:	paint	Pittsburgh	Spread-Flow	(white #21)
Wall:	vinyl	Flex-Wall	Pls. In a Roll	(Rajah Blue)
Wainscot:	paneling	Masonic	Fireguard	(walnut)
Ceiling:	acoustic	Gold Bond	Acoustinet	(fissure #21)
Trim:	paint	Glidden	Easy-Enamel	(0021 blue)

1.3 SCOPE OF WORK

The work under this project consists of [a general list of items, no quantities; location with building number(s), Langley AFB, JBLE, Bethel Manor, etc.] as shown on [BCE Drawing XXFYXX] OR [the attached sketches].

1.3.1 Work Hours

Normal duty hours for Langley AFB, JBLE are 0730 through 1630, Monday through Friday. Work on weekends, recognized Federal holidays, or other than normal duty hours must be coordinated with the Contracting Officer (CO) or his/her designated representative.

1.3.2 General Working Conditions

- a. Work shall be performed in such a manner as to cause minimum disruption to the users in the area.
- b. The Contractor shall notify the Contracting Officer or his/her designated representative when he intends to work so Government inspection can be provided while work is in progress.

1.4 ORDER OF WORK

The Contractor shall coordinate all work with the Contracting Officer, or his/her designated representative, and the Base Civil Engineer. Before starting work at the job site, provide five days notice to the Contracting Officer or his/her designated representative and the Chief of Contract Management at 764-3268.

1.5 PHASING OF WORK

[SAMPLE ONLY – TAILOR TO MEET NEEDS OF PROJECT. USE ONLY WHEN WORK IS BROKEN INTO PHASES. YOU MAY WANT TO HAVE SEPARATE CONTRACT LINE ITEMS FOR EACH PHASE TO EASE ACCEPTANCE, PAYMENT AND WARRANTY ISSUES. DISCUSS OPTIONS WITH CONTRACTING.]

The Contractor will be allowed to work in a maximum of [number] building at any one time. All work in assigned buildings must be completed within [number] days after start of work. Additional buildings will be assigned upon acceptance of assigned buildings.

[OR]

[SAMPLE ONLY – TAILOR TO MEET NEEDS OF PROJECT. USE ONLY WHEN WORK NEEDS TO BE SEQUENCED BUT FORMAL PHASES ARE NOT REQUIRED. WOULD NOT NEED SEPARATE CONTRACT LINE ITEMS.]

The Contractor shall use the following Sequence of Work in preparing his Contract Progress Schedule. It lists only highlights of the construction program and is not intended in any way as a complete scope of work. Each item shall be completed before the next item may be started. Work items not listed may be scheduled at any time.

[List work elements in order they must be completed]

1.6 APPLICABLE CODES AND REGULATIONS

The latest edition of the following Building Codes shall be used for all construction under this contract:

- A. International Building Code
- B. International Mechanical Code
- C. International Fire Code
- D. International Code Council (ICC) International Plumbing Code
- E. National Electrical Code (NEC)
- F. ANSI C-2, National Electrical Safety Code (QIESC)
- G. Life Safety Code, NFPA 101
- H. National Fire Protection Association (NFPA)

- I. MIL Handbook 1190
- J. Unified Facilities Criteria (UFC) 3-600-01
- K. Applicable Unified Facilities Guide Specifications
- L. Supervisory Control and Data Acquisition (SCADA)
- M. American National Standards Institute (ANSI)
- N. American Standards for Testing Materials (ASTM)
- O. Institute of Electrical and Electronics Engineers (IEEE)
- P. International Society of Automation (ISA)
- Q. National Electrical Manufacturers Association (NEMA)
- R. Underwriters Laboratories, Inc. (UL)
- S. Leadership in Energy and Environmental Design (LEED®) for New Construction and Major Renovation v2.2 Reference Guide
- T. National Fire Protection Association Codes (NFPA) – latest edition
- U. Langley AFB, JBLE Electrical, Fire, and Communications Design Standards -- latest edition
- V. Air Force Engineering Technical Letter ETL 01-1, Reliability and Maintainability (R&M) Design Checklist

NOTE: If there is a conflict between these codes or regulations and these contract specifications, the most stringent requirements shall apply at all times.

1.7 SALVAGE

Title to all materials and equipment to be demolished, excepting items indicated as Government salvage, shall be vested to the Contractor upon removal from the base except as noted below. The Government will not be responsible for the condition, loss or damage to such property after notice to proceed. All unsalvageable material will be disposed of legally off base.

1.7.1 Items Salvaged for the Government

The Contractor shall salvage the following existing materials to the Government as indicated below. Salvaged materials shall be cleaned, sorted, identified, bundled, boxed, etc. and delivered to the collection location identified below.

<u>ITEM</u>	<u>DELIVERY LOCATION</u>
[List items to be salvaged and delivery location OR indicate "NONE"]	

1.8 CONSTRUCTION STANDARDS

1.8.1 General

The Contractor is reminded that the construction site must be operated and maintained according to these specifications and is subject to inspection and enforcement according to all federal, state and local codes/regulations.

1.8.2 Office Trailers and Storage Units

1.8.2.1 Office Trailers

If a trailer is required for work and at the discretion of the Government, an office trailer may be located at the project site. The Contractor shall request Contracting Officer approval for the trailer location. The Contractor shall make the request in writing at least fourteen calendar days prior to placement of trailer at site. All office trailers shall be located in areas as directed by the Contracting Officer or his/her designated representative. Any office trailer shall be not more than 10' x 32' in size, provided with a skirt on all sides, in like new condition, and painted either Langley Brown (Federal Standard 595a, 20100), Langley Beige, or white. Office trailers in need of

painting and / or repairs or that are in an unsightly condition will not be allowed at the project site. Displayed on the exterior of all trailers shall be a nameplate which has the name of the Contractor's company, name for Contractor's point(s) of contact (POC) and telephone number where he or she can be reached, contract number, project number, title and date trailer was placed on site where located.

1.8.2.2 Storage Units

The Contractor shall request Contracting Officer approval for the siting, size and color of Storage Units, CONEX boxes and dumpsters. The Contractor shall not bring any such items to the job site without the Contracting Officer's approval. All storage units shall be painted Langley Brown (Federal Standard 595a, 20100), Langley Beige or white. Displayed on the exterior of all storage units shall be a nameplate which has the name of the Contractor's company, name for Contractor's point(s) of contact (POC) and telephone number where he or she can be reached, contract number, project number, title and date unit was placed on site where located.

1.8.3 On-Site Storage Units

Availability and size of material lay down area shall be restricted as noted on the contract documents or as discussed during the preconstruction conference. The Contractor shall consolidate all bulk or large quantities of materials at the construction site in area(s) approved by the CO. All such items shall be stored neatly grouped together. Bulky or unsightly construction materials, heavy or light equipment or tanks shall not be delivered to or stored on the construction site for any period longer than seven calendar days prior to use, installation in the project or start of construction. The Contractor shall store all supplies and equipment on project site to preclude theft or damage. Protection and security for materials and equipment on site is the sole responsibility of the Contractor. The Contractor shall not use any area(s) for material or equipment storage that has not been approved by the CO or his/her designated representative.

1.8.4 Fencing and Screening

Contractor shall enclose the lay down area with a chain link fence that has been erected to a minimum height of six feet. Contractor's lay down area shall also be screened from view. Screening shall be fabricated of 100% Polypropylene, woven, 92% blockage fabric that has been mechanically attached to the fence for the full height of the fence. The edges of each section of screening fabric shall be finished with a reinforced hem. Attachment points shall be reinforced fabric built into the hem or metal grommets built into the hem. All fabric used for screening of the construction lay down area shall be **UV rated and dark brown or dark bronze in color. Fence screening fabric shall be inspected weekly to insure all sections remain properly in-stalled and taut at all times.**

1.8.5 Locksets

If locksets are installed as a result of this project, the Contractor shall provide cylinders and cores for new locks. Cylinders and cores that the Contractor provides shall have seven-pin tumblers using the **A2 system** and **WB keyway** – except for dormitories, which use the **A4 system** and **WC keyway**. All cylinders will be from a single manufacturer. All cores will be stamped with a key control symbol in a concealed place on the core. (For information only – the ***Best Premium*** WB Keyway, 7-pin core is part number 1CP7WB2.) The cylinders will be fully compatible with products of the ***Best Lock Corporation***, which have interchangeable cores that are removable by special control keys.

Provide and submit a grand master keying system and a sub-master keying system for the building that is an extension of the existing Langley AFB, JBLE keying system. ***Best Lock Corporation*** can key cores and provide keys in accordance with the Langley AFB, JBLE grand master keying system; the base grand master keying system will not be made available to outside contractors. Key the equipment spaces and mechanical rooms separately from the building systems. Key them alike to the existing Langley AFB, JBLE systems for equipment and mechanical space doors. Prior to installing any lock cylinder or cores, the contractor shall coordinate with the Langley AFB, JBLE locksmith to ensure compliance with the grand master keying system and master keying sequence, and that the proposed lock hardware will meet requirements of this specification.

1.8.6 Communications

The Contractor shall design and install new communications in accordance with the most current version of 633d COMM PREMISE WIRE DISTRIBUTION SYSTEM SPECIFICATIONS (Langley AFB, JBLE)

IF COMM IS SPECIFIED, INCLUDE THIS SECTION IN THE SPECIFICATIONS PACKAGE.

1.8.7 Electrical Panels

Any electrical panel altered by the Contractor shall have every circuit and circuit modification legibly identified as to its clear, evident and specific purpose and use. The identification shall include sufficient detail to allow each circuit to be distinguished from all others. Spare positions that contain unused overcurrent devices or switches shall be described accordingly. The identification shall be included in a circuit directory that shall be located on the face or inside of the panel door in the case of a panelboard and located at each switch in a switchboard. No circuit shall be described in a manner that depends on transient conditions of occupancy. This is in accordance with §408.4 of the 2008 version of the National Electric Code (NEC).

1.9 CONTRACTOR OPERATIONS

1.9.1 Grassy Areas

Grass and weed growth in excavated materials that are stockpiled on site shall be controlled or cut weekly. Weeds and grass within the construction site shall also be controlled or cut weekly and any bushes or shrubs shall be trimmed monthly. Areas disturbed by construction or those areas required by the plans to be "re-seeded" shall be re-established by hydroseeding only. Straw shall not be used as a cover for freshly seeded areas.

1.9.2 Privately Owned Vehicles (POVs)

POVs used by Contractor personnel to commute to work are required to park in existing parking lots. Contractor or Contractor's employees, including subcontractors, shall not park any personally owned vehicle (POV) or company or delivery vehicle on grassy areas near or in the construction site without prior approval from the Contracting Officer, or his/her designated representative. When allowed, parking on grassy areas will only be for short-term delivery purposes (to include heavy tools, equipment, construction materials, etc.). Use designated hard surfaces or existing parking lots near or within the project site for parking of POVs or company or delivery vehicles. Tire and track impressions (ruts) created on wet or soft soil by vehicles or equipment used in the Contractor's operations shall not be left for more than one day after removal of such vehicle or equipment that caused the rutting. The Contractor shall restore the affected area(s) of the site to its original condition within that one-day period.

1.9.3 Site Cleanup

During construction, the Contractor shall maintain all areas in a neat and orderly manner. Contractor shall keep the construction site cleaned daily of all construction trash, trash generated by employees, debris or demolished building materials. If the work areas are not kept neat and orderly, the Contractor must return to the area to correct the unacceptable condition. During the laying of asphalt roads, streets or parking surfaces, areas soiled by residual asphalt shall be cleaned daily. The Contractor shall treat with lime entrances and exits to asphalt work site at his/her own expense.

1.9.4 Access Routes

Access routes to this project shall be limited through the Base as shown on the plans. The Contractor shall not use the gates at King Street Bridge or West Gate (Sweeney Boulevard) for haul route entry. When exiting the base, the haul route shall be through the West Gate only.

1.9.5 Removal of Formwork

The Contractor shall remove all concrete formwork and boards within fourteen calendar days after concrete pour.

1.9.6 Noise Control

The Contractor shall comply with all applicable state, local and installation laws, ordinances and regulations relative to noise control, to include applicable quiet hours exclusive to Langley AFB, JBLE. Work site is in a residential area of Langley AFB, JBLE. There shall be absolutely no construction activities in or around the construction site prior to or after the hours designated in "Work Hours" paragraph above without an approval from the Contracting Officer, or his/her designated representative. This restriction also applies to holidays also.

1.9.7 Excavations

All trenches/excavations shall be back filled and compacted to 95% of maximum Proctor density. Trenches will be top dressed with no less than three inches of shifted topsoil and then compacted. The finished area will be free of all debris, rocks and then graded to conform to the surrounding area. The area will be hydroseeded in accordance with SECTION 32 92 19 HYDROSEEDING of the specifications.

IF HYDROSEEDING IS SPECIFIED, INCLUDE 32 92 19 IN THE SPECIFICATIONS PACKAGE.

1.9.8 In-Ground Obstructions

Any type of raised obstructions shall have the surrounding soil backfilled, compacted to 95% of maximum Proctor density, and graded. The area will be top dressed as above to within three inches of the top of obstruction. Ground level obstructions will have the area dressed to the level of the obstruction. The area will be hydroseeded in accordance with SECTION 32 92 19 HYDROSEEDING of the specifications.

IF HYDROSEEDING IS SPECIFIED, INCLUDE 32 92 19 IN THE SPECIFICATIONS PACKAGE.

1.9.9 Architectural Compatibility

Due to Langley AFB, JBLE's distinct historic architecture and the high visitor traffic it receives, several special actions are required during construction:

- a. The Contractor is solely responsible for spillage from his/her vehicles and such spillage shall be cleaned up immediately. For the duration of this contract and on a daily basis, the Contractor shall remove from all base roads and streets asphalt, mud, soil, rocks, trash and debris that result from his/her construction operation on base. All roads or streets affected shall be cleaned before close of business on the particular day affected. In the case of asphalt, roads will be cleaned and/or treated with lime immediately upon detection.
- b. Newly placed concrete curbing and sidewalks shall match existing, adjacent concrete in color and texture.
- c. Unprimed or factory-finished equipment installed on the exterior of facilities shall be painted with two coats of brown paint to match existing equipment.

1.9.10 Patching

All holes in walls or other parts of the structure where material or equipment is removed or replaced shall be sealed, painted, caulked or plugged neatly with original type of materials to match the existing part of the structure so involved. All above work and materials shall be approved by the Contracting Officer or his/her designated representative.

1.9.11 Repairs

Replace or restore all pavement, curb and gutter, and sidewalk disturbed by operations under this contract to the original condition, except where shown or specified otherwise. Compact backfill in pavement repairs with mechanical tampers to affect a density equal to adjacent subgrade. Replace pavement with equal materials and equal thicknesses to that removed, unless indicated otherwise. Each pavement area shall be replaced immediately after the work operation for that area is completed. At the Contractor's option, a temporary repair with a surface of bituminous concrete may be made immediately and removed and the permanent repair made before completion of the contract.

1.9.12 Marking

Contractor shall not mark any curb or pavement with paint.

1.9.13 Protection Requirements

The Contractor shall at all times protect and preserve the property of the Government which is within the work area and could be affected by the accomplishment of the work specified and indicated, and all parties and individuals within or near the work areas who could be endangered by the installation of the work.

1.9.14 Accidental Spills

In the event of fuel spillage during the performance of this contract, the Contractor shall be responsible for its containment, clean-up and related disposal costs. The operator shall have sufficient spill supplies readily available on the pumping vehicle or at the site to contain any spillage. In the Event of a Contractor related release, the Contractor shall immediately notify the Environmental Management Office and take appropriate actions to correct its cause and prevent future occurrences. If the federal, state, or local authorities assess any monetary fine, penalty or assessment related to the release of any substance by the Contractor, his/her employees, or agents during the performance of this contract, the Contractor shall be solely liable for its payment, authorizes the United States Air Force to withhold such form of payment and otherwise indemnify and hold the United States Air Force harmless.

1.10 ENVIRONMENTAL PROTECTION. PLEASE REFER TO LANGLEY AFB, JBLE SECTION 01 12 00, ENVIRONMENTAL SPECIAL CONDITIONS.

1.10.1 Environmental Restoration Program (ERP) Requirements

[Include only if work is in ERP area. Ensure drawings define IRP boundaries and well locations]

1.10.1.1 Contaminated Soil and Free Products

Any material (soil) that is suspected of containing petroleum products shall be reported to the Contracting Officer or his/her designated representative. If discovered, the Contractor shall mitigate any potential threat to the workers, public and environment. The area that will be disturbed under this contract has the potential to have free product migrate into and under the construction site. Comply with VR-680 and record the quantity of any fuel removed from **[the line]**. Contaminated soil or free product shall not be used for backfill or removed from the base without written approval from the Contracting Officer. Once removal is approved, Contractor shall dispose of material under guidance of the Pollution Prevention Officer (633 CES/CEAN). All hazardous waste manifests shall be prepared by the Contractor and shall be coordinated, approved and signed by 633 CES/CEAN Hazardous Waste Manager (37 Sweeney Boulevard) prior to removal of such waste from the base.

1.10.1.2 Site Safety

Site summaries from our Management Action Plan are furnished with this contract to familiarize personnel with the potential hazards associated with construction and demolition work at these sites. Ensure workers are in-

formed of potential hazardous exposures from working at these sites, and that the appropriate precautions are followed to minimize hazards to human health and the environment. Personnel working at these sites shall have 40-hour HAZWOPER Training. At least one individual on site should have completed the OSHA 8-hour supervisor training course. The plans identify the boundary of these IPR sites. To perform work at these sites, the Contractor must have a Health and Safety Plan and Hazardous Waste Disposal Plan for proper disposal of all regulated materials generated during execution of this project.

1.10.1.3 Monitoring Wells

There are several monitoring wells installed in and around the proposed construction area. Site maps and construction drawings provide the location of these wells. The Contractor shall take all precautions to prevent any damage to wells. If the wells and associated structures are damaged during the project, the Contractor shall repair/replace all damages at no additional expense to the Government. Contractor shall dispose of all regulated materials during repair of the damaged structures and remove any free product as required by Virginia Department of Environmental Quality (VDEQ) regulations.

1.10.1.4 Additional Excavation

Prior to any excavation beyond the immediate area or boundary of the construction site, the Contractor shall coordinate with 633 CES/CEAN and obtain the Contracting Officer's approval.

1.10.2 NOTIFICATION OF ASBESTOS CONTAINING MATERIALS (ACM)

[Specifier Select One of the Following Paragraph]

1.10.2.1 Asbestos Notification

Tests have indicated that Asbestos Containing Materials (ACM) are not present in the areas affected by this work. However, if ACM are exposed that were not previously known to exist, the Contractor shall cease work in the affected area and notify the Contracting Officer. If the Contractor is tasked to remove the discovered the ACM, all asbestos removal work is subject to OSHA, EPA and Commonwealth of Virginia compliance and inspection for asbestos abatement. Contractor must perform asbestos removal work in accordance with these specifications and EPA National Emissions Standards for Hazardous Air Pollutants (NESHAPs) for asbestos and any subsequent updates thereto. This includes State and EPA Region 3 Notifications that shall be accomplished at least 20 days prior to starting any asbestos abatement or removal. A copy of the notifications shall be submitted to the Contracting Officer. All hazardous waste manifests shall be signed by 633 CES/CEAN (37 Sweeney Boulevard) prior to removal of such waste from the base. Only CEV is authorized to sign these manifests. The Asbestos Program Manager is Mr. Robert Jones who can be contacted at (757) 764-1126. Please contact him if you have any questions.

[OR]

1.10.2.1 Asbestos Notification

Tests have indicated the presence of Asbestos Containing Materials (ACM) in the areas affected by this work. Contractor is reminded that all asbestos removal work is subject to OSHA, EPA and Commonwealth of Virginia compliance and inspection for asbestos abatement. Contractor must perform asbestos removal work in accordance with these specifications and EPA National Emissions Standards for Hazardous Air Pollutants (NESHAPs) for asbestos and any subsequent updates thereto. This includes State and EPA Region 3 Notifications that shall be accomplished at least twenty days prior to starting any asbestos abatement or removal. A copy of the notifications shall be submitted to the Contracting Officer. All hazardous waste manifests shall be signed by 633 CES/CEAN (37 Sweeney Boulevard) prior to removal of such waste from the base. Only CEV is authorized to sign these manifests. The Asbestos Program Manager is Mr. Robert Jones who can be contacted at (757) 764-1126. Please contact him if you have any questions.

1.11 PROTECTION OF GOVERNMENT PROPERTY

1.11.1 General

The Contractor shall at all times protect and preserve the property of the Government which is within the work area and could be affected by the accomplishment of the work specified and indicated, and all parties and individuals within or near the work areas who could be endangered by the installation of the work. Protection requirements include protecting the interior of the facility from inclement weather. Any actions necessary for adequate protection are solely the Contractor's responsibility. Any temporary boarding of windows or doors must be painted Langley Brown or Langley Beige to match the exterior.

1.11.2 Protection of Equipment

Contractor is required to cover equipment that is to remain in place within the area of contract operations and protect it against damage or loss and store equipment that is removed in performance of work where directed or use in work as required by drawings and specifications. Equipment temporarily removed shall be protected and returned equal to its condition prior to starting work at no additional expense to the Government. Security for equipment or material that is to be reused and is removed for temporary storage shall be the sole responsibility of the Contractor.

1.11.3 Protection of Grounds

Contractor shall provide protective barriers for all grass, trees, shrubs, sidewalks, curbs and gutters within the construction boundary. Furthermore, such items, including grass, outside the construction boundary shall also be protected during delivery of materials or moving of equipment. Damages caused by the Contractor to existing grounds, plants, pavements, utilities, work by others, fixtures, or furnishings shall be repaired by the Contractor. Such repairs shall be of as good condition as existed before the damaging, unless such existing work is scheduled for removal or replacement by the work requirements of the contract. This requirement also pertains to grading of site to remove all clods and grade irregularities prior to final inspection and acceptance. The Contractor may be required to install temporary fencing to protect the site, at no cost to the Government.

1.12 SAFETY

1.12.1 Safety Barriers and Signs

Contractor shall provide barricades, traffic control signs and construction safety signs that meet industry standards. Actual location, size and final arrangement of these items shall be discussed and approved by the Contracting Officer prior to installation. Such approved items shall be of uniform size, design and color. All cones, barricades, warning lights, temporary signs and protective devices shall conform to the current requirements of the Federal Highway Administration's Manual of Uniform Traffic Control Devices for Streets and Highways (MUTCD) and the US Army Corps of Engineers Safety and Health Requirements Manual EM 385-1-1.

http://mutcd.fhwa.dot.gov/pdfs/2003r1r2/pdf_index.htm

1.12.2 Employee Health and Safety

1.12.2.1 Compliance

In order to provide safety controls for protection to the life and health of employees and other persons; for prevention of damage to property, materials, supplies, and equipment; and for avoidance of work interruptions in the performance of this contract, the Contractor shall comply with all pertinent provisions of the Corps of Engineers Manual, EM 385-1-1 (2003), entitled "Safety and Health Requirements Manual", as amended. The Contractor will also take or cause to be taken such additional measures as the Contracting Officer or his/her designated representative may determine to be reasonably necessary for the purpose. A copy of the manual is available for review in the Civil Engineering Contract Management Section office (Building 328) or copies can be obtained from the Government Printing Office, Washington DC 20402.

1.12.2.2 Subcontractor's Compliance

Compliance with the provisions of this clause by subcontractors will be the responsibility of the Contractor.

1.12.2.3 Safety Records

The Contractor will maintain an accurate record of, and will report to the Contracting Officer or his/her designated representative in the manner and on the forms prescribed by the Contracting Officer or his/her designated representative, exposure data and all accidents resulting in death, traumatic injury, occupational disease, and damage to property, materials, supplies and equipment incident to work performed under this contract.

1.12.2.4 Notification of Non-Compliance and Corrective Action

The Contracting Officer or his/her designated representative will notify the Contractor of any noncompliance with the foregoing provisions and the action to be taken. After receipt of such notice, the Contractor shall take immediate corrective action. Such notice, when delivered to the Contractor or his/her representative at the site of the work, shall be deemed sufficient for the purpose. If the Contractor fails or refuses to comply promptly, the Contracting Officer or his/her designated representative may issue an order stopping all or part of the work until satisfactory corrective action has been taken. No part of the time lost due to any such stop orders shall be made the subject of claim for extension of time or for excess costs or damages by the Contractor.

1.12.3 Applicable Publications

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

a. Code of Federal Regulations (CFR):

(1) OSHA General Industry Safety and Health Standards (29 CFR 1910); Publication V2206; OSHA Construction Industry Standards (29 CFR 1926). One source of these regulations is OSHA Publication 2207, which includes a combination of both Parts 1910 and 1926 as they relate to construction safety and health. They are for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

b. National Emission Standards for Hazardous Air Pollutants (40 CFR, Part 61).

c. Federal Standard (Fed. Std.):

(1) 313A Material Safety Data Sheets, Preparation and the Submission to the BioEnvironmental Office on Langley AFB, JBLE. Safety and Health Requirements Manual, EM 385-1-1

(2) Use of Asbestos Containing Material or any Class 1 ozone depleting chemical compounds is prohibited at Langley AFB, JBLE, DA Circular 40-83-4

(3) Work covered by this section: This section is applicable to all work covered by this contract.

(4) Definition of Hazardous Materials: Refer to hazardous and toxic materials/substances included in Subparts H and Z of 29 CFR 1910 and to others as additionally defined in Fed. Std. 313. Those most commonly encountered include asbestos, lead paint, polychlorinated biphenyl's (PCBs), explosives and radioactive material, but may include others. The most likely products to contain asbestos are sprayed-on fireproofing, insulation, boiler lagging and pipe covering.

1.12.4 Precautions Against Hazards

1.12.4.1 Welding, Cutting and Burning

All welding and cutting operations shall be done in accordance with nationally recognized good practice. The current publications of the American Welding Society, 2501 NW 7th Street, Miami FL 33125, and the National

Fire Protection Association, 470 Atlantic Avenue, Boston MA 02110, shall be used as a minimum standard of nationally recognized safety procedures in welding and cutting.

The Contractor shall provide the necessary methods of fire extinguishment and fire prevention, and before operations begin, clear all welding and cutting operations with the representative of the Contracting Officer or his/her designated representative. The Contractor shall request and receive an AF Form 592, USAF Welding and Brazing Permit, before preparing for such operations.

The Contractor shall discontinue all burning, welding or cutting operations one hour prior to the end of the normal workday. The Contractor shall provide a workman to remain at the site for thirty minutes after discontinuing the above operations. This workman shall make a thorough inspection of the area for possible sources of latent combustion. Any unsafe conditions shall be reported to the Fire Department for their investigation – EMERGENCY PHONE NO 911.

1.12.4.2 Open Flames

The use of open-flame heating devices **will not** be allowed except by special permission of the Contracting Officer or his/her designated representative. Such permission will not be granted unless the Contractor has taken all venting precautions. Burning trash, brush or trees on the job site will not be allowed unless specific approval is granted for each incident by the Contracting Officer or his/her designated representative. Approval for the use of open fires and open-flame heating devices will in no way relieve the Contractor from the responsibility of any damage incurred because of fires

1.12.4.3 Flammable Liquid Storage

Flammable liquids shall be stored and handled in accordance with the Flammable Liquids Code (No. 30) of the National Fire Protection Association. Flammable liquids shall not be stored in the Contractors storage trailers.

1.12.4.4 Technical Services

The Langley Fire Department, Technical Services Section, (757) 764-4275, is available for assistance concerning fire hazard questions.

1.13 SECURITY

1.13.1 General Base Requirements

Access to Langley AFB, JBLE is restricted to those Contractor and subcontractor employees required for the performance of this contract and only for the performance period of this contract. Contractor passes are issued by the Pass and Registration Section, Building 15 (Room 103), after a signed letter from the Contractor listing all employee names and social security numbers has been delivered to and approved by the Contracting Officer or his/her designated representative. Procedures for requesting Base Passes for employees and Contractor vehicles will be further explained during the preconstruction conference.

1.13.2 Emergency Security Situations

If a security violation is detected from any cause, it may result in the cessation of all work and evacuation of the area by all Contractor personnel to a point to be determined by the Security Forces Supervisor at the scene. The control of construction personnel under these conditions is a Security Forces Officer and their orders shall be followed in detail. Construction will be permitted to resume as quickly as possible. The individual causing the violation may be apprehended, and if so, will be processed and released to a responsible supervisor; such person might be away from his/her work site as long as 1 to 1½ hours. If a hostile situation is detected because of the construction activity, the entire crew may be removed from the area and detained until competent authority approved their release. All Security Forces exercises will be scheduled not to interfere with construction personnel or with their work.

1.13.3 Work In Special Security Areas

1.13.3.1 Escorts

Government shall provide all escorts required for access to security areas while working on construction projects at LAFB.

1.13.3.2 Applicable Security Criteria

AFI 31-101, The Air Force Installation Security Program shall apply to construction projects at Langley AFB, JBLE.

1.13.4 Controlled Areas

[Include only if work will be performed in a controlled / secure area]

1.13.4.1 General

All work to be performed on this project is within the boundary of a USAF Installation and will be confined to the immediate vicinity of [REDACTED] [PROVIDE FACILITY NUMBER]. Full operational status of the mission and Security Forces will be maintained throughout the contract period. To facilitate contract work while preserving strict security, a Contractor free zone will be established around each work area, and a combination of entry control, internal movement and surveillance techniques will be employed. Security procedures and USAF Security Forces actions will take precedence over all concerns at the time of emergencies or mission operations. The use of deadly force is authorized to protect government resources.

1.13.4.2 Entry Control

Entry into the work areas will be by Air Force Form 75, Visitor Pass and an Entry Authority List provided by the Contractor to the Chief of Security Forces. The Base Commander retains the authority to deny entry to any person(s). Security Forces and Escort Officials execute this authority for the Base Commander.

1.13.4.3 Identification Permits

The Contractor is responsible for requiring each employee to display an identification permit while within the area. All identification permits shall be immediately delivered to the Contracting Officer or his/her designated representative, for cancellation upon release of any employee or termination of contract work, whichever is sooner. All Contractor personnel shall stay within the boundaries of the guarded work zone. Subcontractors, material deliverers or other workers must be pre-identified 48 hours in advance of their arrival by an Entry Authority List approved by the Contracting Officer or his/her designated representative. This list will contain the full name, SSAN and the base pass number (Air Force Form 75). If this notification is not received, some delay may be expected

1.13.4.4 Search Procedures

Search procedures will be in effect at all times. Each time a Contractor personnel enters the secure area the vehicle and cargo, briefcases, toolboxes, etc. may be searched. Individuals are also subject to search by the use of a metal detector. Primary emphasis will be placed on locating explosive devices, instruments of espionage, unauthorized individuals and other objects of a suspicious nature. The Contractor shall store tools and cargo that are not required for the job in his/her own facility that will be located in a designated area.

1.13.4.5 Internal Controls

The boundaries of the designated work areas will be under surveillance of armed guards. Contractor personnel must remain within the boundaries of the designated area and shall enter or depart the work areas only through

the designated Exit / Entry Point. The Contractor shall insure all persons are aware of the boundaries, and that they are to remain within the work zone.

1.13.4.6 Security Manager

The Contractor shall designate a representative as Security Manager to coordinate security matters. At least 48 hours in advance of a change in work hours, the Security Manager shall notify the Contracting Officer or his/her designated representative, who will notify the Security Forces.

1.13.4.7 Housekeeping

The Contractor shall keep the work area neat and tidy. Clean up shall be accomplished daily, and all piles of materials, equipment and debris that could afford cover or concealment for unauthorized persons shall be removed from the area. Storage areas will be designated and the Contractor shall not store anything within thirty feet of the boundary fence.

1.13.4.8 Power Interruptions

Power interruptions necessary as a part of the construction project shall be coordinated with the Contracting Officer or his/her designated representative who will notify the Base Civil Engineer, Central Security Control and (the area occupants). The request for interruptions shall include reason, date, time, area affected and duration, and shall be submitted to allow notification at least two days in advance of the interruptions.

1.13.4.9 Repair Responsibilities

Any damages or alteration to any security facility, i.e., fence, lighting, communication cables, will be repaired, replaced, or suitable substitute provided by the Contractor prior to nightfall of the day such action occurred or was detected.

1.13.4.10 Overnight Storage of Construction Machinery

All construction machinery that is self-propelled (tractors, backhoes, dozers, trucks, etc.) will not be allowed to remain within the Controlled Area overnight. Such vehicles must be parked in a designated area thirty feet beyond the boundary fence, locked and keys removed.

1.13.4.11 Mission Operation

(Occupant) (Munitions) and Security Operations will be continuous throughout the contract period and will necessitate nominal constraints on Contractor operations. Planning between the Contracting Officer or his/her designated representative and mission units can eliminate most constraints except those caused by unforeseen events. During any movements of security re-sources into or from the Controlled Area, construction will be halted prior to the movement and the construction crew will be relocated to an area away from the convoy route or destination. Under no circumstance will the reason for this relocation be announced to the Contractor. The (Site Supervisor / Convoy Commander) will be responsible for insuring all Contractor personnel are positioned away from the convoy routes and destination. Contractor personnel shall obey all instructions of Security Forces that pertain to their movement and activity. However, Security Forces will not interfere or halt any affect on rate of work or quality of work; their interference will pertain only to that necessary to protect security resources, if present.

1.13.4.12 Delays In Entering And Leaving Work Area

The Contractor may experience delays due to compliance with entrance/exit requirements of controlled areas. The Contractor shall not be compensated for reasonable delays in accessing the site. Also, due to the nature of controlled areas, the Contractor may be requested to leave the controlled area at any given time. The Contracting

Officer may extend the contract performance time when area designations change while the Contractor is working.

1.13.4.13 Safety

Flame and spark producing equipment (i.e., matches, lighters, vehicle cigarette lighters) shall be surrendered at the Entry Control Point prior to entry to the area. Smoking within the area is prohibited except in Contractor provided approved smoking areas. The use of flame and spark producing equipment within the area is discouraged; however, in the event that it is necessary to use electric welders, oxygen-acetylene torches or other spark producing devices, the Contractor shall notify the Contracting Officer or his/her designated representative. Should a hazardous condition arise during the use of such devices, contact the Fire Department (Main Base: 911; Bethel Manor Housing: 865-1042). All Contractor personnel are subject to base safety and traffic regulations and may be barred from motor vehicle operation for cause.

1.13.5 Airfield Requirements

[Include if work is on or adjacent to flightline]

1.13.5.1 Contact Base Operations

Contractor shall contact LAFB Base Operations (764-4292, 764-2508), for construction restrictions involving the flightline, taxiway and runway areas and shall comply with Air Force Instruction AFI 13-213.

1.13.5.2 Radio Communication with Tower

Two-way radio contact on VHF Radio capable of communication with the Air Traffic Control Tower on the ramp net (163.4625 MHz) is required at all times for all personnel and groups of personnel working on the flightline, taxiways and runways. Contractor shall coordinate radio issuance with the project inspector.

1.14 HISTORIC DISTRICT/ARCHITECTURAL COMPATIBILITY

Due to the distinct historic architecture and the high visitor traffic LAFB receives, several special actions are required during construction and are listed herein.

1.14.1 Newly Placed Concrete

When placing concrete adjacent to existing concrete, all newly placed concrete curbs, gutters and sidewalks shall match existing adjacent concrete in color and texture. Miami Buff is the predominate color used on LAFB. All concrete that is newly placed by the Contractor shall be Miami Buff in color unless specifically noted otherwise in the contract documents or instructed otherwise by the Contracting Officer or his/her designated representative.

1.14.2 Unprimed or Factory Finished Equipment

Unprimed or factory-finished equipment installed on the exterior of facilities shall be painted with two coats of brown paint to match existing equipment.

1.14.3 Patching

All holes in walls or other parts of the structure where material or equipment is removed or replaced shall be sealed, painted, caulked or plugged neatly with original type of materials to match the existing part of the structure so involved. The Contracting Officer or his/her designated representative shall approve all above work and materials.

1.14.4 Pavement Repairs

Replace or restore all pavement, curb and gutter, and sidewalk disturbed by operations under this contract to the original condition, including any markings or striping, except where shown or specified otherwise. Compact Backfill in pavement repairs with mechanical tampers to affect a density that is equal to adjacent subgrade. Replace pavement with equal materials and equal thickness to that removed, unless indicated otherwise. Each pavement area shall be replaced immediately after the work operation for that area is completed. At the Contractor's option, a temporary repair with a surface of bituminous concrete may be made immediately and removed and the permanent repair made before completion of the contract.

1.14.5 Marking Restrictions

Contractor shall not mark any curb or pavement with paint unless directed by the Contracting Officer or his/her designated representative.

1.15 RECORDING AND PRESERVING HISTORICAL AND ARCHAEOLOGICAL FINDS

1.15.1 Preservation

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

1.15.2 Rehabilitation

All repair, maintenance, and construction must be completed in a manner that is consistent with the Secretary of the Interior's "Standards for Historic Preservation Projects" and the Secretary's "Illustrated Guidelines for Rehabilitating Historic Buildings".

1.16 EXCAVATION REQUIREMENTS

The Government will furnish the Contractor with an approved AF Form 103, BCE Work Clearance Request, indicating any special precautions or areas that will be marked (for utilities). The contract drawings, AF Form 103 and marking will indicate all information the Government has knowledge of, but will not indicate all conditions that may occur in the field. The Contractor shall not begin (work) excavation until the Clearance Request is issued. The Contractor shall be responsible for removing all markings made for his benefit as soon as the need for an individual mark is passed. The Government will mark utilities one time only. Maintaining these marks or additional marking is the responsibility of the Contractor.

1.16.1 Acquiring a Work Clearance Request (Air Force Form 103)

A coordinated and approved Work Clearance Request is required prior to any excavation activities. The Contractor shall submit a request to the Project Inspector 14 days prior to the start of excavation work. All requests must be initiated no later than Thursday of any week to be inserted into the Work Clearance approval process for the following week. The Contractor will be notified to attend a Work Clearance scheduling meeting. At the Work Clearance meeting, the Contractor will receive an AF Form 103, instructions for completing the form, and a date and time for utilities to be marked. **The Contractor shall not commence excavation prior to obtaining an approved AF Form 103.** After all respective utilities have been marked and verified by the Project Inspector, the Contractor shall return the original AF Form 103 to his/her respective Project Inspector for coordination and signature by the Chief of Engineering. No digging or excavation shall begin before the Chief of Engineering signs the AF Form 103. After the Chief of Engineering signs the AF Form 103, the Project Inspector will return it to the Contractor. Then, and only then, shall the Contractor commence excavation. The Contractor shall maintain all utility markings for the duration of the contract. Contractor shall maintain original version of the AF Form 103 for the duration of excavation work at the particular site. Ensure all applicable parties have coordinated on

the form prior to excavation. For Miss Utility, use the Ticket Information Exchange (TIE) number or actual technician signature as evidence of coordination. The AF Form 103 clearance shall not be allowed to expire. The Contractor shall revalidate/resubmit the AF Form 103 within seven days prior to the expiration date if it is anticipated or known that the duration of excavation will exceed the 30-day limitation.

1.16.2 Miss Utility

Contractor shall contact Miss Utility (1-800-552-7001) at least 48 hours prior to excavation to identify non-Air Force-owned underground utilities (cable TV, Bell Atlantic and Virginia Power, etc.). Notices to Miss Utility are good for 15 working days; after that period, Contractor shall renew the notice. Indicate renewals on the AF Form 103 as applicable. Miss Utility is open 24 hours, seven days a week. Calls after 1700, before 0700, on weekends and on holidays are accepted for emergencies only. Holidays include New Year's Day, Martin Luther King Day, President's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, Day after Thanksgiving and Christmas Day. After 48 hours, Contractor should contact Miss Utility to confirm that clearance/markings operations have been completed. The Contractor must wait an additional 24 hours if any operators or contract locators have not responded to the Ticket Information Exchange (TIE) system request within the first 48 hours.

1.16.3 Markings

1.16.3.1 General Requirements for Marking Utilities

- a. Prior to commencing any excavation, the Contractor must inspect the site for clear evidence of unmarked facilities. If evidence of such facilities is present, the excavator must notify the notification center and wait an additional three hours for the facilities to be marked.
- b. The Contractor may choose to wait 72 hours and begin work after that time if there is no evidence that any underground facilities remain unmarked. However, it is recommended that Contractors contact the TIE system and confirm the status of underground facilities before they commence work.
- c. After the markings have been made, Contractors are required to maintain a minimum clearance of two feet between a marked, underground utility line and the cutting edge of any power-operated excavating equipment. If excavation is required within two feet of any marking, it shall be performed very carefully with hand tools in accordance with Virginia Code Section 56-265.24.
- d. If, during the course of excavation, a utility line has been exposed, before backfilling, the Contractor must inspect these facilities to ascertain if the facilities have been damaged. If damage of any kind is discovered or suspected, it is the Contractor's responsibility to immediately notify the utility owner directly. The Contractor must NOT attempt to repair damaged facilities.
- e. Maintain any paint marks or stakes indicating underground utilities/lines as required during the duration of work or thirty calendar days from date of approved AF Form 103 (whichever is earlier). Note that Miss Utility clearance expires after fifteen working days.

1.17 OCCUPANCY AND SERVICES TO EXISTING FACILITIES

[Use one of the following as applicable.] [EITHER]

- a. The Government will occupy all areas of the existing building except the immediate areas being altered by this contract. The Contractor shall not interrupt utilities serving these areas without coordinating with the Contracting Officer or his/her designated representative.

[OR]

- a. The buildings will be occupied during the course of the contract. The Contractor shall sequence and arrange his work to minimize disruptions of the building's services. Time and duration for interruption of utility services shall be approved by the Contracting Officer, or his/her designated representative, and will not be approved during meal preparation times. Work within or affecting the interior of the existing building shall be consolidated for each work area and the Center Manager notified, through the Contracting Of-

ficer or his/her designated representative, a minimum of 24 hours in advance of construction work (so that children / equipment / furniture / operations can be moved). **[REWRITE FOR SPECIFIC CIRCUMSTANCES.]**

[OR]

a. The Government will occupy all rooms of the buildings except the immediate area being worked on. The Contractor shall sequence his/her work to minimize the interference with normal utilization of the buildings. Two weeks prior to commencing work in a room, the Contractor shall submit a daily work schedule for approval. This schedule will identify rooms requiring security clearances or other limited access precautions and work shall not proceed until written access authorization is obtained. Deviation from the approved work schedule without consent of the Contracting Officer or his/her designated representative is prohibited.

[SAMPLE ONLY]

1.18 UTILITIES

All reasonable amounts of water and electricity required for this work will be made available to the Contractor if such utilities exist at the project site. Temporary lines, connections, installation, maintenance and removal shall be the Contractor's responsibility. The Contracting Officer, or the Contracting Officer's designated representative, shall approve any temporary lines and connections. All services are subject to discontinuance without notice to the Contractor in an emergency. Three-phase power may not be available. **The Contractor shall provide his/her own necessary utilities when such utilities are not available at the project site.**

1.19 UTILITY OUTAGES AND TRAFFIC

Contractor shall request utility/power outages or changes to normal traffic flow pattern at least 14 calendar days in advance of disruption or change to either. For medical facilities, a notice of at least 30 calendar days is required.

1.20 CONVENIENCE FACILITIES

Existing restroom facilities may not be used by construction personnel. The Contractor shall maintain, in a neat and sanitary condition, such accommodations for the use of his employees. Temporary restroom facilities shall be white in color.

1.21 SUPERVISION

[Either-use if small noncomplex project that doesn't require qualified superintendent]

1.21.1 Working Supervisor

The Contractor shall designate an employee or employees to oversee work under this contract. This employee will be a working supervisor. While any work is being performed, the designated employee or employees shall remain at the job site, except for such incidental errands as required by his/her duties. The employee or employees are responsible for the proper coordination and timeliness of the work, and the proper workmanship of all trades; therefore, his/her absence from the project site shall be considered as damaging to the Government. The ability of his/her supervision, based on knowledge and experience, is essential to the proper execution of the work, as is the ability to communicate and direct the efforts of those performing the work. The Government reserves the right, in the event that it becomes apparent the employee or employees are not satisfactorily directing the work, to require the Contractor replace the employee or employees.

[OR]

1.21.2 Superintendent

The Contractor shall employ a construction superintendent to oversee all work under this contract. The superintendent shall remain at the project site at all times when work is in progress except for such incidental errands required by his/her duties. The superintendent is responsible for the proper coordination and timeliness of the work, and for proper workmanship of all trades; therefore, his/her absence from the project site without a suitable substitute representative of the Contractor shall be considered as damaging to the Government. The ability of the superintendent, based on his/her knowledge and experience, are essential to the proper execution of the work, as is his/her ability to communicate and direct the efforts of those performing the work.

1.22 GOVERNMENT FURNISHED PROPERTY

Government property to be installed by the Contractor is located at Building () and shall be transported to the work site by the Contractor. The custodian of the property is (name), phone 764-XXXX. The Contractor shall take arrangements with the custodian for receiving the property. The following property will be furnished:

ITEM	DESCRIPTION	QUANTITY	CONDITION
[List GFP to be provided]			

1.23 RECORD DRAWINGS

1.23.1 Record of Work Progress

During the progress of the work, the Contractor shall keep a careful record at the job site of all changes, corrections and deviations from the layouts and details shown on the drawings to include all contract modifications. The Contractor shall enter such changes on project drawings promptly, but not later than on a weekly basis. Such revised drawings shall be considered "redline" as-built drawings.

1.23.2 Record of Underground Utilities

Where underground utilities are installed, note the elevation of the utility installed every fifty feet. Where new utilities cross existing utilities, note the elevation of the new and existing utility and the vertical or horizontal separation. Where new utilities run parallel to new and existing utilities, note the elevation at which installed and the horizontal and vertical separation between utilities.

1.24 DELIVERABLES AND FINAL AS-BUILTS

1.24.1 Geodetic Control Surveys

The Contractor (A-E) shall provide horizontal and vertical control surveys for the precise location of primary survey points for planning, engineering, construction, real estate projects, GIS applications or facility management.

1.24.2 Deliverable Requirements

All locational base map (point, line and polygon feature(s)) data collected shall be delivered in ESRI ArcGIS 9.x digital format along with the original source files. The geospatial files shall have an external spatial reference (.prj) file attached specifying the parameters of the coordinate system used (as provided by the government). All topologically correct geospatial data shall overlay on the installations latest orthorectified imagery provided by the government, using the same coordinate and projection system of the imagery (WGS84). All accuracy errors shall be reported to the contract program manager.

1. All Architectural/Engineering data (building components, plans, designs, etc.) shall be in a digital (electronic information) format AutoCAD 2005 or higher. Drawings will be delivered in the AutoCAD

“.DWG” file format. The Contractor shall use the A-E/C CADD Standard 4.0 (or latest version) when creating or revising any CADD data deliverables.

2. All graphic and non-graphic data will be collected in the format defined by the Spatial Data Standards Facilities, Infrastructure, and Environmental (SDSFIE) release 2.60 (or the most current version available), except where modified by the Government. This standard can be found at <https://www.sdsfie.org>.
3. The contractor shall provide a quality control (QC) report that must state whether all inconsistencies in the data generated were corrected, or it must detail the remaining errors by case. The contractor shall utilize a topology build and clean routine to assure that there are no overshoots or undershoots in the line work, slivers or dangles in polygons, and that there is complete closure of polygons with a maximum fuzzy tolerance value of 10^{-9} . The quality report must identify the software (name and version) and satisfy these conditions:
 - a. The edges of all digitized vector data or raster imagery must exactly match digitally with those of all adjacent maps.
 - b. The digital representation of the common boundaries for all graphic features must be exactly the same, regardless of feature layer. Each feature within a layer must be represented by a single graphic element (e.g. polygon, line or line string).
 - c. Lines and line strings which represent the same graphic element must be continuous (i.e., not broken or segmented), unless that segmentation reflects a specific visual line type. Lines or line strings representing the same type of data must not cross except at intersections.
 - d. Polygons must be closed (i.e. the first x- and y-coordinates must exactly match the last x- and y-coordinates). Each polygon must have a single unique centroid to which attributes (i.e. an attribute table) can be attached. Polygons of the same coverage must not overlap and must cover the area of interest completely (i.e. have no gaps in coverage).
 - e. All graphic elements that connect must exactly connect digitally, without overlaps or gaps.
 - f. Straight lines must be represented by only the beginning and ending x- and y-coordinate points. Line strings must not cross back on themselves or be of zero length.
4. Feature Attributes: The contractor shall identify the classification, type, size, location, ID number and any other necessary attributes (specified by the Government) for all surveyed, mapped, designed or proposed features.
5. All symbol libraries, font libraries, text size, text format and text placement shall be prepared in accordance with and conform to the Spatial Data Standards (SDS).
6. The contractor shall not develop new libraries without prior written approval from the Government.
7. The contractor shall provide metadata files for all locational data produced under this contract. The metadata file shall conform to the Federal Geographic Data Committee’s “Content Standard for Digital Geospatial Metadata, Version 2.0” (or latest version) found at: http://www.fgdc.gov/standards/standards_publications/index.html. The output from the ESRI ArcCatalog metadata generator software (or compatible software) shall be the standard format for all metadata files created under this contract. In addition, the metadata data shall be provided in ASCII text format. The digital metadata files shall be provided to the Government along with each final product deliverable, unless otherwise approved in writing by the Government.

1.24.3 Survey Data

1. The contractor shall use conventional surveying and other methods, such as a total station or Global Positioning Systems (GPS) for field data collection at an accuracy level in accordance with “Geospatial Positioning Accuracy Standards, Part 3: National Standard for Spatial Data Accuracy,” published by the Federal Geographic Data Committee (FGDC), dated July 1998. This standards document can be found at http://www.fgdc.gov/standards/standards_publications/index.html.

2. All Survey data collected shall be provided to the Government in a digital format with an attached Survey Report identifying survey method, equipment list, calibration documentation, survey layout, description of control points, control diagrams and field survey data.
3. Data on the location of utility lines shall be captured at a minimum every 50 feet and each turn or bend in a utility line must be captured.
4. A Survey Control Database (consisting of a survey marker database and a survey traverse database) will be produced for all survey control points established under this contract, and delivered in a .dbf or ASCII comma-delimited format.
5. If GPS is used, the contractor shall use survey grade GPS, at an accuracy level of ± 2 cm. when appropriate, to collect data to be overlaid onto the installation's orthophotograph and/or base map.

1.24.4 Delivery Format

Note: No deviations from the Government's established standards will be permitted unless prior written approval of such deviation has been issued by the Government. All linkages of non-graphical data with graphic elements, relationships between data objects and attributes, and report formats shall be maintained.

These deliverables include, but are not limited to:

- 1) Site plans
- 2) As-built drawings
- 3) Engineering designs, plans or surveys
- 4) Topographic surveys or studies
- 5) Boundary or Cadastral surveys
- 6) Master Plan drawings
- 7) Utility (water, sewer, power, storm, etc.) designs, plans, surveys and studies
- 8) Pavement, Grading, or Excavation plans
- 9) Soil/Geology studies or surveys
- 10) Environmental assessments, surveys, studies or plans
- 11) Historical or Archaeological surveys, studies or plans

All data deliverables shall be in a digital (electronic information) format and shall be delivered in a format that conforms to the Spatial Data Standards Facilities, Infrastructure, and Environmental (SDSFIE) release 2.60 (or latest version available) at <http://www.sdsfie.org> and A/E/C CAD Standards version 4.0 (or latest version available) at <https://cadbim.usace.army.mil/CAD>.

1.24.5 Setup Procedures for Deliverables

The following procedures must be performed before a file is placed on the delivery media:

- a) Include all files, both graphic and non-graphic, required for the project. Make sure all files are in the same directory, and that references to those files do not include device or directory specifications.
- b) Ensure all reference (external reference) files are attached and without device or directory specifications.
- c) Remove all extraneous graphics/text outside the project border area, and set the active parameters to a standard setting (or the setting contained in the seed or prototype file).

- d) Include any standards sheets (abbreviations, symbols libraries, font libraries, color tables, pen tables, plot configuration files, user command files, etc.) necessary for a complete project.
- e) Compress and/or reduce all files using the appropriate utilities. A digital media copy of the decompression utility should be provided with the delivered data, if necessary.

Note: Using the eTransmit command on newer versions of AutoCAD will satisfy some or all of the items listed in a, b2, d and e listed above.

1.24.6 Delivery Media

* CD-ROM

Digital Media must have an external label listing the project title, project number and BCE drawing number in large, bold font. Format and version of the operating system on which the media was created (e.g. Windows XP), utility/command used for writing the files to the media, a short description of contents, a sequence number if there are multiple volumes, and the date of CD creation must also be printed on the label.

A transmittal sheet must accompany the media containing the information included on the external labels, total number of volumes being delivered and a list of file names and file descriptions on each volume. The transmittal sheet must also include instructions for reading, restoring, or transferring the files from the media, and certification that all delivery media is free of known computer viruses – including the name(s) of the virus scanning software and the date the virus scan was performed.

1.24.7 Government Furnished Materials

The Government will provide the contractor with data and information concerning all necessary and pertinent functions and principal features of the identified project. These items will include:

- a) The installation's latest georeferenced digital planimetric data and/or base map in ESRI Arc/Info 9.x format or best format available, with associated data files.
- b) The installation's latest orthorectified imagery and specified geospatial parameters (coordinate system, datum, projection, distance units).
- c) Installation standard AutoCAD drawing sheet template.
- d) Any pertinent and necessary prototype or seed files.
- e) Frequency settings for the Real-Time Kinematic (RTK) GPS Base Station and the preferred GPS receiver specifications if required.
- f) Any other data or schematics deemed necessary for project completion, pending approval from the Government.

Note: The government will furnish as-built drawings that are pertinent to the facilities involved. However, these drawings are not warranted to show conditions as they actually exist. The contractor shall verify (by field investigation) information shown on the as-built drawings (relevant to the project) for accuracy to ensure the quality of the information.

1.24.8 Government Review

The Government shall review the submitted data and documentation upon completion of all stated work. Missing or incomplete items will be documented and forwarded to the Contractor for completion. Upon receipt of a complete submittal, the Government will conduct a quality review and notify the contractor within fourteen calendar days of acceptance (along with any stipulations this includes) or rejection of the deliverables described herein. Failure to adhere to any of the stated delivery specifications could result in rejection of deliverables and nonpayment. At a minimum, Contractors should submit data and documentation samples at 25% and 75% project completion to avoid the rejection of final deliverables.

1.24.9 Geo Integration Office Point of Contact

Any questions regarding data collection efforts, deliverable formats or deliverable specifications should be addressed to the Geo Integration Office, contact information:

37 Sweeney Boulevard, Room 224
Langley AFB, JBLE, Virginia 23665
(757) 764-1164

1.24.10 As-Built Drawing Submittal

At the time of beneficial occupancy, the Contractor shall submit as-built data to the Contracting Officer, or his/her designated representative, incorporating the aforementioned information into the project drawings. The Contractor shall also ensure that a separate copy of all similar as-built data is provided for delivery to the Base GeoBase Office. The as-built deliverable (plans, shop drawings, surveys, studies, imagery, designs, manuals, spare parts lists, etc.) shall be in a digital (electronic information) format and shall be delivered on standard compact disks (minimum 650 megabytes) in a format that is directly compatible with the CADD/GIS Technology Center's Spatial Data Standards, Version 2.6 (or latest version available). No "redline" or marked-up drawings will be accepted as the final as-built drawings. The data provided shall be compatible with AutoCAD or ESRI 9.X and shall be submitted by the Contractor to the Contracting Officer, to the Base GeoBase Office, and to the Engineering Support on three separate compact discs (CDs). In addition, one set of as-built drawings will be submitted to Engineering Support on Mylar (minimum 4-mil thick) media; as-builts on paper media will not be accepted.

1.25 WARRANTY OF CONSTRUCTION

- a. In addition to any other warranties in this contract, the Contractor warrants that work performed under this contract conforms to the contract requirements and is free of any defect in equipment, material or design furnished, or workmanship performed by the Contractor or any subcontractor or supplier at any tier. This warranty shall not limit the Government's rights under the Inspection and Acceptance clause of this contract with respect to latent defects, gross mistakes or fraud.
- b. This warranty shall continue for a period of one year from the date of final acceptance of the work. If the Government takes possession of any part of the work before final acceptance, this warranty shall continue for a period of one year from the date the Government takes possession. In the event the Contractor's warranty of this clause has expired, the Government may sue, at its expense, to enforce a subcontractor's, manufacturer's or supplier's warranty.
- c. The Contractor shall remedy, at the Contractor's expense, any failure to conform or any defect. In addition, the Contractor shall remedy, at the Contractor's expense, any damage to Government-owned or controlled real or personal property when that damage is the result of:
 1. The Contractor's failure to conform to contract requirements, or
 2. Any defect of equipment, material, workmanship or design furnished.
- d. The Contractor shall restore any work damaged in fulfilling the terms and conditions of this clause. The Contractor's warranty with respect to work repaired or replaced will run for one year from the date of repair or replacement.
- e. The Contracting Officer shall notify the Contractor, in writing, within a reasonable time after the discovery of any failure, defect or damage.
- f. If the Contractor fails to remedy any failure, defect or damage within a reasonable time after receipt of notice, the Government shall have the right to replace, repair or otherwise remedy the failure, defect or damage at the Contractor's expense.
- g. With respect to all warranties, express or implied, from subcontractors, manufacturers, or suppliers for work performed and materials furnished under this contract, the Contractor shall:
 1. Obtain all warranties that would be given in normal commercial practice, and
 2. Require all warranties to be executed, in writing, for the benefit of the Government if directed by the Contracting Officer, and

3. Enforce all warranties for the benefit of the Government if directed by the Contracting Officer.
 - h. Unless a defect is caused by the negligence of the Contractor, subcontractor or suppliers at any tier, the Contractor shall not be liable for the repair of any defects of material or design furnished by the Government or for the repair of any damage that results from any defect in Government-furnished material or design.
 - i. Defects in design or manufacture of equipment specified by the Government on a “brand name and model” basis shall not be included in this warranty. In this event, the Contractor shall require any subcontractors, manufacturers or suppliers thereof to execute their warranties, in writing, directly to the Government.
 - j. The warranty enumerated herein does not preclude any manufacturer warranties in excess of one year as noted in the individual specifications sections. The Contractor should read each section carefully to ensure that he/she is aware of all warranties called for in this project.

1.26 WARRANTY/GUARANTEE RECORDS

1.26.1 Certification of Equipment

The Contractor shall prepare Optional Form(s) (OF) 274, Equipment Warranty Certificate, and affix the certificate(s) to all warranted components of the equipment installed during the project. When a complete mechanical system has been installed, affix the OF(s) 274 to the Mechanical Room door also. If the warranted items are in a new facility, Optional Form(s) 274 shall be placed as mentioned above. The Construction Inspector will distribute the OF 274 to the Contractor during the Preconstruction Conference. The Contractor shall place all OF(s) 274 on the appropriate equipment prior to final acceptance of the project by the Government.

1.26.2 Listing of Equipment

The Contractor is required, prior to the final inspection to provide a listing of all equipment or material carrying a manufacturer’s warranty or as indicated in the specifications. Use the following Equipment Warranty/Guarantee Record for each item and attach manufacturer’s certificate as appropriate.

Equipment

Warranty / Guarantee Record

Facility No: _____ Project No: MUHJ _____

Project Title: _____ Work Order: _____ Shop Code: _____

Item: _____ Location: _____ Contractor: _____

Prefix: _____ Suffix: _____ Serial No: _____ Model No: _____

Style: _____ HZ: _____ Volts: _____ HP: _____ Size: _____ Frame: _____

Purchase Cost: _____ Replacement Cost: _____ Manufacturer: _____

Date Purchased: _____ Date Installed: _____

Effective Date: _____ Expiration Date: _____

Replacement, New or Other: _____ Purchase Number: _____

GSA Contract Number: _____

Contract Inspector: _____ Phone: _____

Remarks: _____

Evaluator: _____ Grade: _____ Title: _____ Orgn: _____

1.27 SEASONAL HVAC REQUIREMENTS

Air conditioning systems are required to be operational from 15 May through 15 September and the heating systems are required to be operational from 15 October through 01 May. Provide temporary heating or cooling during these periods if the air conditioning system or heating system is shut down to perform any work. Submit shop drawings for approval of proposed method for providing temporary heating or cooling.

1.28 TIME EXTENSIONS FOR UNUSUALLY SEVERE WEATHER

This provision specifies the procedure for the determination of time extensions for unusually severe weather. The listing below defines the adverse weather days that are anticipated monthly. The listing is based upon data from the National Oceanographic & Atmospheric Administration (NOAA) or similar data.

MONTHLY ANTICIPATED ADVERSE WEATHER CALENDAR DAYS

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
13	12	12	9	10	9	10	10	7	8	10	12

1.28.1 Base Line

The above schedule of anticipated adverse weather will constitute the base line for monthly (or portion thereof) weather time evaluations. Upon acknowledgment of the Notice To Proceed and continuing throughout the contract on a monthly basis, actual adverse weather days will be recorded on a calendar day basis (include weekends and holidays) and compared to the monthly anticipated adverse weather in the schedule above. The term “actual adverse weather days” shall include days impacted by actual adverse weather days.

1.28.2 Calculation of Adverse Days

The number of actual adverse weather days shall be calculated chronologically from the first to the last day in each month. Once the number of actual adverse weather days anticipated in the schedule above have occurred, the Contracting Officer, or his/her designated representative, upon the Contractor’s written request, will examine any subsequently occurring adverse weather days to determine whether the Contractor is entitled to a time extension. Before adverse weather entitlement is granted, the Contractor must demonstrate that fifty percent or more of his/her workdays were affected by the subsequent adverse weather. The adverse weather must also delay work critical to the timely completion of the project. The Contracting Officer or his/her designated representative, will convert any delays meeting the above requirements to calendar days and issue a modification.

Note: For all weather dependent activities, the Contractor’s schedule must reflect the anticipated adverse weather delays that are noted above.

1.28.3 Examples of Adverse Weather

The following is considered as adverse weather: weather of a nature that workers cannot perform work as scheduled or get to work site (i.e. hurricane, tornado, high winds, floods, extremely cold weather, ice storm, sleet, heavy snowstorm, et cetera).

1.29 FINAL INSPECTION AND ACCEPTANCE STANDARDS

1.29.1 Seeding

Within seven workdays of actual completion of work at contract site, the Contractor shall grade, rake, and seed (or sod), or prepare for seeding (or sodding). **New turf and turf restoration shall be established or accomplished by hydroseeding or sodding in accordance with Section 02921 TURF.** When areas of the site are raked prior to seeding (or sodding) or for leveling of topsoil to rid the site of mounds, clods and / or ruts, the Contractor shall ensure that no clods larger than one inch are left on the site. Contractor shall restore the site to a condition and appearance similar or equal to existing before the damages occurred. Such restoration work will not be considered complete until approved by the CO or his/her designated representative. The Government will not accept sites that have not been raked and restored to this standard. **Straw shall not be used as a cover for newly sown seeds or freshly seeded areas.**

IF SEEDING IS SPECIFIED, INCLUDE THE TURF SECTION IN THE SPECIFICATIONS PACKAGE.

1.29.2 Removal of Signs and Barriers

All Contractors’ stakes, traffic/safety cones and barriers, warning tape, erosion control fences, et cetera, that are erected during construction, shall be removed entirely prior to Government final acceptance of project.

1.29.3 Removal of Trailers and Storage Units

All trailers, equipment/storage units, residual construction materials shall be removed from construction site within five workdays after completion of work at that job site.

1.30 CONSTRUCTION DATA WORKSHEET

The Contractor is required, **at least forty-five days prior to the final inspection**, to submit a completed copy of the following Construction Data Worksheet. This worksheet is used by the Air Force to inventory and capitalize new work. The Contractor shall complete only those areas of the form that are applicable to the work included in this project.

DD FORM 1354 CHECKLIST

1. General Building Data.

Exterior Dimensions: SF: (Main Bldg)

SF: (Wings)

SF: (Offsets)

No of Stories:

Dimensions of Covered Walkways/Corridors:

Type of Construction:

Foundation:

Floors:

Exterior Walls:

Roof:

Utilities:

Water (Type and size of pipe):

Gas (Type and size of pipe):

Electric (Phase, voltage, wire):

Other Utility (Type, capacity, etc.):

2. Installed Systems & Plants.

<u>Category</u>	<u>Nomenclature</u>	<u>Unit</u>	<u>Quantity</u>	<u>Cost</u>
- Fire Protection.				
880-211	Closed Head Auto Sprinklers	SF/HD	.....	.....
880-212	Open Head Deluge System	SF/HD	.....	.....
880-216	Pre-action Sprinkler System	SF/HD	.....	.....
880-217	AFFF PA Sprinkler System	SF/HD	.....	.....
880-218	Hi-expansion Foam System	EA	.....	.....
880-221	Auto Fire Protection System	SF/EA	.....	.....
880-222	Manual Fire Alarm System	EA	.....	.....
880-231	CO ₂ Fire System	EA	.....	.....
880-232	Foam Fire System	EA	.....	.....
880-233	Other Fire System	EA	.....	.....
880-234	Halon 1301 Fire System	EA	.....	.....
880-235	Dry Chemical System	EA	.....	.....
880-236	Foam System	EA	.....	.....
- Security.				
872-841	Security Alarm System	EA	.....	.....
- Installed Plants.				
890-124	A/C from Central Plant	SF	.....	.....
890-126	A/C Window Units	SF/TN	.....	.....
890-125	A/C Plant < 5 Tons	SF/TN	.....	.....
890-121	A/C Plant 5 - 25 Tons	TN	.....	.....
826-122	A/C Plant 25-100 Tons	TN	.....	.....
826-123	A/C Plant > 100 Tons	TN	.....	.....
821-115	Heating Plant 750-3500 MBh	MB	.....	.....
821-116	Heating Plant Over 3500 MBh	MB	.....	.....
811-147	Emergency Power Generator	KW	.....	.....
124-xxx	Fuel Tank for Heating/Generator	GA	.....	.....
	(Type of Fuel:			

DD FORM 1354 CHECKLIST

3. Related Facilities.

116-xxx	Pads (Type:)	SY	.....	.....
411-xxx	Large Storage Tanks (Contents:)	BL	.....	.....
812-223	Pri Elec Distr - Overhead	LF	.....	.....
	- Transformers	KVA	.....	.....
	- Power Poles	LF/EA	.....	.....
812-224	Sec Elec Distr - Overhead	LF	.....	.....
812-225	Pri Elec Distr - Underground	LF	.....	.....
	- Transformers	KVA	.....	.....
812-226	Sec Elec Distr - Underground	LF	.....	.....
812-926	Exterior Area Lighting (Street/Park)	EA	.....	.....
824-464	Gas Mains	LF	.....	.....
831-169	Sewage Septic Tank	KG	.....	.....
832-255	Industrial Waste Mains	LF	.....	.....
832-266	Sanitary Sewer Mains	LF	.....	.....
841-161	Water Supply Mains	LF	.....	.....
842-245	Water Distr Mains	LF	.....	.....
843-315	Fire Hydrants	EA	.....	.....
851-143	Curbs & Gutters	LF	.....	.....
851-145	Driveway	SY	.....	.....
851-147	Road	SY/LF	.....	.....
852-262	Vehicle Parking	SY	.....	.....
852-289	Sidewalk	SY	.....	.....
871-183	Storm Drains	LF	.....	.....
872-247	Security Fence	LF	.....	.....
872-248	Interior Fence	LF	.....	.....
890-144	Compressed Air Distr	LF	.....	.....
890-158	Load/Unload Platform	SF	.....	.....
890-187	Utility Vault	SF	.....	.....
890-272	EMCS Field Equipment	EA	.....	.....
890-273	EMCS Data Links	LF	.....	.....
135-583	Telephone Duct	LF	.....	.....
135-586	Telephone Pole	LF	.....	.....

4. Additions to Existing Facilities.

Use checklists 1 - 3 above. Include any plants, systems, real property installed equipment, or related facilities added, removed or replaced.

5. Alterations or Renovations to Existing Facilities.

Use checklists 1 - 3 above. Include plants, systems, real property installed equipment, or related facilities added, removed or replaced. If demolition of existing facilities was a part of the project, include the specifics and costs related to the demolition.

6. Remarks.

Where needed, add any explanatory remarks or descriptions, which more fully describe items.

7. When is a DD Form 1354 Required?

- Initial construction of a new facility
- Addition to an existing facility
- Demolition of an existing facility (and all its associated related real property)
- Removal of, or upgrade to, an installed system
- In general, if the project was funded in part or in whole with minor construction (EEIC 529) or MCP funds, a DD Form 1354 is required in order to transfer the completed construction to real property records.

DD FORM 1354 CHECKLIST

Page 4 of 4

-- End of Section --

ASSET MANAGEMENT SPECIAL CONDITIONS

REVISED MARCH 2011

1. ASSET MANAGEMENT: All work is to be performed in a manner that prevents pollution, protects the environment and conserves natural resources.

CONTRACTOR ENVIRONMENTAL DELIVERABLES:

The following contract deliverables are due to the LAFB project manager and Contracting representative who will in turn provide them to the Environmental Element (633 CES/CEAN).

Before Contract Start (30 days)

- Asbestos Abatement Plan (if applicable)
- Lead-Based Paint Abatement Plan (if applicable)
- Hazardous Material Usage Request Forms
- Green Procurement Planning Use Forms
- Environmental Management System (EMS) training certifications
- Stormwater Permit (if applicable)
- Stormwater Pollution Prevention Plan (if applicable)
- Clean Soil Certifications
- Wetland Permits if applicable (submitted to and approved by the Virginia Marine Resources Commission **Allow 60 days for this**)

During Contract

- Monthly Hazardous Materials Usage Report
- Quarterly Refuse/Recycling Reports
- Generator permit information
- Hazardous Waste/Lead/Asbestos Manifests (to be signed by LAFB Environmental Reps)

End of Contract before contract close

- Green Procurement Exemption Form (if applicable)
- Green Procurement Final Usage Report
- All return Asbestos Manifest (signed by receiving landfill)

1.1 WASTE DISPOSAL:

1.1.1. SOLID WASTE DISPOSAL.

1.1.1.1. Compliance With Regulations All waste materials generated by any work under this contract performed on a Government installation shall be handled, transported, stored, recycled, and disposed of by the Contractor and by his/her subcontractors at any time in accordance with these specifications, all applicable Federal, state or local laws, ordinances, regulations, court orders, or other types of rules or rulings having the same effect of law. These include but are not limited to the Resource Conservation and Recovery Act (RCRA) (40 CFR 260-270); Federal Water Pollution Control Act, as amended (33 USC Sec 1251 ET SEQ); The Clean Air Act, as amended (42 USC Sec 1857 ET SEQ); The Endangered Species Act, as amended (16 USC Sec 1531, ET SEQ); The Toxic Substances Control Act, as amended (15 USC Sec 2601, ET SEQ); The Solid Waste Disposal Act, as amended (42 USC 6901 ET SEQ); the Archaeological and Historic Preservation Act, as amended (16 USC Sec 469, ET SEQ), and the Virginia Solid Waste Management Regulations (9VAC 20-80).

The Contractor shall collect all solid wastes generated during the performance of the contract in a container/area provided by the Contractor and ap-

proved by the Contracting Officer. The Contractor shall provide appropriate containers for the collection and segregation of solid wastes, recyclables, and C&D debris generated directly and indirectly by work under this Contract. The Contractor is prohibited from using base dumpsters or other government owned/leased waste receptacles for the disposal of any solid wastes. All solid wastes shall be reclaimed, recycled, or disposed of prior to completion of work on LAFB.

As proof of proper disposition of solid wastes, the Contractor shall provide legible weight receipts for solid waste disposed and materials recycled bearing the name, address, and phone number of the receiving facilities for every load of materials delivered. The weight ticket shall detail the type of material, weight of the material in pounds or tons, the date of the transaction, and a signature from a representative of the receiving facility. Receipts shall be submitted to the Contracting Officer within ten calendar days after the transaction.

Under no circumstances will any solid waste or hazardous materials be left at LAFB at the end of the project. Before the project is turned over to the government, the Contractor will remove all solid wastes and hazardous materials from the installation. Those items include but are not limited to dirt piles, concrete piles, asphalt piles, and rubbish piles. No materials will be left for the future use of the government UNLESS instructed to do so in writing by the government. This is to include the before mentioned items and also regular or touch-up paint, plaster, solvents, etc. If it is determined that the Contractor left materials behind, services may be terminated and/or a penalty payment to include the cost of disposal of the material by the government may be withheld from the project payment.

NOTE: Hazardous materials are different from hazardous wastes so be careful not to confuse the two. For hazardous wastes, they will not be removed from the installation without the 633 CES Hazardous Waste Managers signing the Hazardous Waste Manifest. The LAFB Hazardous Waste Managers can be contacted at 757-764-1132/1133 if needed.

1.1.1.2. CONSTRUCTION/DEMOLITION DEBRIS DIVERSION:

As good stewards of the environment, the government is committed to diverting its waste away from landfills to the greatest extent possible. This can be done through recycling, reusing (when directed by the government), and donating construction and demolition debris materials. The Contractor shall recycle all construction/demolition debris to the maximum extent possible. The Contractor shall make every effort to recycle materials such as but not limited to concrete (including concrete with rebar), brick, asphalt, all metals, wood, roofing materials, wallboard, ceiling tiles, etc. With prior coordination through the CO and 633 CES/CEAN, the Contractor may take scrap metals to the Langley AFB scrap metal yard for recycling. The following are some suggested local sites for recycling construction and demolition debris:

Local Sources of Recycling				
Company	Address	City	Phone	Acceptable Items
Tidewater Fibre	5602 Chestnut Ave	Newport News	247-5766	paper, cardboard, plastics, aluminum, glass, tin cans
Old Dominion Recycling	1618 W. Pembroke Ave	Hampton	723-2942	Aluminum, copper, steel, iron, metals, paper, tires
Butler Paper	324 Newport St	Suffolk	539-2351	Industrial & commercial paper recycling
Dubin Metals	2409 Bowdens Ferry Rd	Norfolk	622-3970	Scrap metals, copper, brass, batteries, radiators, aluminum
Gutterman Iron & Metal	1206 E. Brambleton Ave	Norfolk	627-1095	Scrap brass, copper, aluminum
Sims Metal	2116 George Washington Memorial Hwy	Tabb	599-4940	Steel, aluminum, brass, copper, stainless steel, radiators
Waterway Marine Terminal	1401 Precon Drive	Chesapeake	333-3427	All C & D materials i.e. concrete, concrete w/rebar, lumber, asphalt
Waterway Materials Corp	1401 Precon Drive	Chesapeake	545-0004	Concrete, concrete w/rebar, brick, block, asphalt
K. F. Wilson	2972 N. Armistead Ave	Hampton	865-7182	All C & D materials i.e. concrete, concrete w/rebar, lumber, asphalt
CrushCon Aggregates	100 North Park Lane	Hampton	723-1131	Concrete, concrete w/rebar

1.1.1.2.1 RECYCLING AND DISPOSAL REPORTING: The Contractor shall report on a quarterly basis the tonnage of the items recycled and the amounts disposed of by landfill and amounts disposed of by regular or waste-to-energy incineration to the Project Manager, the Contracting Officer, and 633 CES Environmental Element (633 CES/CEAN) by the fifth day of each quarter (Jan, Apr, Jul, Oct) during the period of performance. This report will be for the previous quarter. The report shall list the title of the project, the project number, the Contractor's company name and point of contact, phone number, the type items (i.e. concrete, concrete with rebar, asphalt, brick, scrap metals, wood, wallboard, etc) and the tonnage of those items recycled. For all items that could not be recycled, the Contractor will provide a brief reason as to why the items could not be recycled.

For items disposed of, one total tonnage can be given for items landfilled and one total tonnage for items incinerated (specify waste incinerator or waste-to-energy incinerator) instead of reporting disposal figures for the various items. For items that cannot be accurately measured, estimates will be sufficient. Use the form at Attachment 1 (Construction/Demolition Debris Recycling and Reporting) to report this information to the Contracting Officer, Project Manager, and to 633 CES/CEAN.

To send it to 633 CES/CEAN, email it to 633ces.cea@langley.af.mil or mail it

to:

633 CES/CEAN
Attn: Pollution Prevention Mgr
Bldg 328, Room 253
37 Sweeney Boulevard
Langley AFB, VA 23665

1.1.1.3 Contain Loose Debris. Loose debris on trucks leaving the site shall be loaded in a manner that shall prevent dropping/releasing of materials on streets and conform to local ordinances/laws. Fasten a suitable cover, such as a tarpaulin, over the load before entering surrounding streets.

1.1.1.4 Trip Tickets. Contractor shall submit all trip tickets from the landfill facility, incinerators, and recycling companies to show all debris is being landfilled, incinerated, or recycled in accordance with all Federal requirements and in an approved location. These trip tickets will be submitted to the Contracting Officer who will in turn give them to the Project Manager.

1.1.2. SOIL AND PETROLEUM CONTAMINATED WASTE:

1.1.2.1. Contaminated Absorbents. All petroleum spills/releases must be cleaned up using absorbent materials. Spills caused by the Contractor will be the Contractor's responsibility to containerize and dispose of the contaminated absorbent material. Spills caused by the government will be the responsibility of the government. Contact the base hazardous waste Contractor, Chugach at 225-5808 or 225-5809 to arrange for pick-up.

1.1.2.2. Soil. ALL soil must be tested to determine if it contains any contaminants prior to relocating it on base or disposing of it off-base. Testing and disposal of soil shall follow Virginia Solid Waste Management Regulations 9VAC-20-80-700 (soil contaminated with petroleum products). Testing shall include: Total Petroleum Hydrocarbon (TPH), Total Organic Halogens (TOX), Benzene, Toluene, Ethyl Benzene, and Xylene (BTEX), and Toxicity Characteristic Leaching Procedures (TCLP). If test results determine "other than clean", the material will have to be transported to an appropriate landfill or processing center based on the contaminants identified. Contaminated soils, in sludge or slurry form, shall be containerized and managed as either hazardous waste or non-regulated waste, depending on what contaminate was spilled. The containerized contaminated soil shall be the responsibility of the Contractor to dispose of such. CEA must review the sample results and sign all hazardous/non hazardous waste manifests prior to disposal. Contact 633 CES/CEANC Hazardous Waste Program Managers for additional information.

NOTE: UNDER NO CIRCUMSTANCES will soil, clean or contaminated, from Langley AFB be delivered to or donated to off-base sources (other than an appropriate landfill or processing center based on the contaminants identified) for use. Soils donated to off-base entities for use will be the sole liability and responsibility of the Contractor.

1.1.3. UNIVERSAL WASTE:

1.1.3.1. Fluorescent Lamps. The Contractor shall use environmentally-friendly green tip fluorescent lamps during lamp replacement. Upon removal of old Sylvania lamps and high intensity bulbs, the Contractor will box the lamps and manage them as universal waste. Other lamps (i.e. GE and Phillips)

may be disposed directly in to regular trash. Contact the base hazardous waste Contractor at 225-5808 or 225-5809 to arrange for pick-up, except in cases where lamp replacement is part of the contract. Lamps will be properly disposed of by the Contractor with waste manifest being signed by 633 CES/CEANC Hazardous Waste Program Managers.

NOTE: UNDER NO CIRCUMSTANCES will bulb/ lamps be crushed on Langley AFB.

1.1.4. HAZARDOUS WASTE.

1.1.4.1. SITE MANAGEMENT. All material containers must be closed when not in use. Materials are to be covered as protection from weather. Each container is to be properly labeled. Do not store hazardous materials near storm drains. Upon completion of this project, the Contractor shall remove all hazardous materials and hazardous waste (for associated manifest requirements see paragraph 1.1.4.3.)

1.1.4.2 Waste Characterization Samples for Floor Renovation: Waste characterization samples must be collected to determine if its meets the RCRA definition of a hazardous waste. It is the responsibility of the contractor to take and provide the sample analysis to 633 CES/CEAN. Waste debris from floor stripping or floor blasting performed on Langley AFB must be sampled for TCLP Metals for solid debris and must add corrosivity test for liquid stripping. Additionally, it is the contractor's responsibility to dispose of the waste generated on this project. See manifest requirement in 1.1.4.3

1.1.4.3. MANIFESTS. 633 CES/CEANC will review all lab analysis or MSDS of wastes prior to signing manifests. All hazardous waste manifests must be signed by 633 CES/CEANC prior to removal of such waste from the base. The generator copy of the manifest must be returned to 633 CES/CEANC, 37 Sweeney Boulevard, Langley AFB, VA 23665.

1.2 FUEL, SEWAGE AND OTHER SPILLS: In the event of a fuel, sewage, and other toxic spillage during the performance of this contract, the Contractor shall be responsible for its containment, clean up, and related disposal costs and will notify 633 CES/CEANC immediately. The operator shall have sufficient spill response supplies readily available on the pumping vehicle and/or at the site to contain any spillage. In the event of a Contractor-related release, the Contractor shall immediately notify the Asset Management Office and the Contracting Officer and take appropriate actions to correct its cause and prevent future occurrences. If the federal, state, or local authorities assess any monetary fine, penalty, or assessment related to the release of any substance by the Contractor, his/her employees, or agents during the performance of this contract, the Contractor shall be solely liable for its payment, authorizes the United States Air Force to withhold such from payment and otherwise indemnify and hold the United States Air Force harmless.

1.3 ASBESTOS OR LEAD BASED PAINT *[Contact 633 CES/CEANC to determine any known presence of these materials]*

1.3.1. ASBESTOS PRESENCE: [Tests have indicated that asbestos is not present in the areas affected by this work **//or//** Tests have indicated the presence of asbestos in the areas affected by this work.] If asbestos not previously known to exist is exposed, the Contractor shall cease work in the affected area and notify the Contracting Officer.

1.3.1.1. ABATEMENT PLAN: *[Include if project requires asbestos removal]* Abatement plans are to include but not limited to the description of how abatement is to be accomplished, required notifications, required licensing, employee safety requirements, and air sampling. Abatement Plan shall be submitted to 633 CES/CEAN for review.

1.3.1.2. ASBESTOS ABATEMENT OR REMOVAL NOTIFICATION: *[Include if project requires asbestos removal]* Contractor is responsible for disposal of Asbestos debris. Contractor is subject to OSHA, EPA and Commonwealth of Virginia compliance and inspection for asbestos removal. Contractor must perform asbestos abatement in accordance with these specifications and EPA National Emissions Standards for Hazardous Air Pollutants (NESHAPs) for asbestos and any subsequent updates thereto. This includes state and EPA Region 3 notifications that shall be accomplished at least 20 days prior to starting any asbestos abatement or removal. A copy of the notification shall be submitted to the Contracting Officer and to 633 CES/CEAN.

1.3.1.3. ASBESTOS MANIFESTS: *[Include if project requires asbestos removal]* All asbestos waste manifests shall be signed by 633 CES/CEANC (37 Sweeney Boulevard) prior to removal of asbestos waste from the base. A copy of the completed manifest (signed by the receiving landfill) shall be submitted to 633 CES/CEANC.

1.3.2. LEAD BASED PAINT PRESENCE: [Tests have indicated that lead based paint is not present in the areas affected by this work //or// Tests have indicated the presence of lead based paint in the areas affected by this work.] If lead based paint not previously known to exist is exposed, the Contractor shall cease work in the affected area and notify the Contracting Officer.

1.3.2.1. ABATEMENT PLAN: *[Include if project requires lead based paint removal]* Abatement plans are to include but not limited to the description of how abatement is to be accomplished, required licensing, employee safety requirements, and air sampling. Abatement Plan shall be submitted to 633 CES/CEAN for review.

1.3.2.2. LEAD BASED PAINT DISPOSAL. Once removed, lead based paint shall be disposed of as hazardous waste. Disposal of lead debris containers is the responsibility of the Contractor. Lead contaminated debris must be sampled to determine the concentration level of lead. The analysis will determine waste management procedures. 633 CES/CEANC will inform the Contractor on management procedures. If wastes are determined to be hazardous by regulatory criteria, the containers cannot leave the installation until a completed manifest is reviewed and signed by 633 CES/CEANC. The Contractor must contact Chugach at 225-5808/09 to store full drums of lead contaminated waste at the <90-day site located at 510 Poplar Road. The drums must be in good condition, labeled properly and closed. The Contractor has less than 90 days of storage on base before the containers must leave the installation.

1.4 AIR QUALITY

1.4.1. VOLATILE ORGANIC COMPOUNDS: All coatings and solvents used in the performance of this contract shall meet the required performance specifications and shall not exceed the volatile organic compound limits of the Air Pollution Control Districts where they are used.

1.4.2. DUST: *[If the project is likely to create dust emissions, the following requirement applies]* Mitigation of fugitive dust emissions shall be accomplished in accordance with 9 VAC5-40-90, Standards for Fugitive Dust/Emissions.

1.4.3. BOILERS: *[Include if a boiler is installed as part of this project]* To meet permit requirements, submit required data (mm-Btu/hour) for each boiler installed to 633 CES/CEANC.

1.4.4. GENERATORS: *[Include if an emergency generator is installed as part of this project]* To meet permit requirements, submit required data (Kilowatt (KW) rating) for each emergency generator installed to 633 CES/CEANC sixty days prior to installation.

1.4.5. OZONE DEPLETING SUBSTANCES (ODS)

Contracts may not include any specification, standard, drawing, or other document that requires the use of a Class I ODS in the design, manufacture, test, operation or maintenance of any system, subsystem, item, component, or process. Contracts may not require the delivery of any items of supply that contains a Class I ODS or any service that includes the use of a Class I ODS.

1.5 STORAGE TANKS: *[Include only if work includes or is in area of storage tanks; contact 633 CES/CEANC to determine any known history or presence of storage tanks]*

1.5.1. STORAGE TANK REGISTRATION NOTIFICATION: *[Include if an AST or UST is going to be installed]* Notify 633 CES/CEANC thirty days prior to the tank being put into service to meet regulatory documentation requirements.

1.5.2. DISPOSAL OF PETROLEUM CONTAMINATED SOIL: *[Include if excavating around any removed, abandoned, or in-service AST or UST]* Contaminated soil may be encountered in proximity to previous and current tank sites. Disposal of such soil must be funded as part of this project. Waste must be disposed of IAW previous WASTE DISPOSAL paragraph, 1.1.2.2, along with applicable State and Federal regulations. If contaminated soil is discovered, notify 633 CES/CEANC Hazardous Waste Program Managers prior to disposal.

1.5.3. ABOVEGROUND STORAGE (AST) TANKS: *[Include if there is going to be an AST temporarily or permanently installed]* Any above ground storage tanks (ASTs) allowed on site shall have secondary containment, venting and spill/overflow protection. Anti-siphon valves are required. The Contractor shall visually inspect such tanks daily for leaks. All ASTs shall be installed or erected in accordance with VR 680-14-13, NFPA 30 and 40 CFR 112.7.

1.5.3.1. NOTIFICATION: If Aboveground Storage Tank (AST) is removed or re-located, the Project Manager is required to notify the 633 CES/CEANC prior to the action so regulatory documentation can be initiated and submitted.

1.5.4. UNDERGROUND STORAGE TANKS: *[Include if there is going to be construction or excavation where there is an abandon UST]* Underground Storage Tanks (UST) located within project area present an underground hazard and the work should to be routed around the site or other provisions made. Contact 633 CES/CEANC for additional information.

1.6 WATER QUALITY: *[Include if there is going to be exterior material laydown, construction or excavation].*

1.6.1. EROSION AND SEDIMENT CONTROL: All construction operations shall comply with the requirements of the Virginia Erosion and Sediment Control Act. An Erosion and Sediment Control Plan shall be prepared prior to initiating groundbreaking activities. A copy of the E&SC Plan shall be forwarded to 633 CES/CEANC (Water Program Manager). Hay bales shall not be used for erosion control and inlet protection from storm water run-off. The Contractor shall submit alternate methods of protection to the Contracting Officer at the preconstruction conference for review and approval. The Contracting Officer will notify the Contractor of his/her decision prior to issuance of Notice to Proceed (NTP).

1.6.2. STORMWATER PERMIT. If >2,500 square feet are to be disturbed as part of the project, the contractor shall obtain a Stormwater General Construction Permit from the Virginia Department of Conservation and Recreation (VDCR). A stormwater pollution prevention plan (SWPPP) shall be prepared to support the stormwater permit; a copy of the SWPPP shall also be forwarded to 633 CES/CEANC (Water Program Manager). The Contractor is solely responsible for obtaining, funding and complying with the terms of the permit. A copy of the permit shall be forwarded to 633 CES/CEANC (Water Program Manager).

1.7. HAZARDOUS MATERIALS MANAGEMENT

1.7.1. Hazardous Materials Usage and Reporting: In compliance with AFI 32-7086 dated 1 Nov 2004 and AFI 32-7086 ACC Sup 1, all Contractors are required to report the usage of all hazardous materials to the government for all projects and contracts including service contracts executed on LAFB. In accordance with FAR Clause 52.223-3, each offeror (Contractor) must provide the Contracting Office with a list of proposed HAZMAT that it plans to use on the installation during the performance of the contract. In accordance with AF-FARS Clause 5352.223-9303, Contractors must obtain Air Force authorization prior to using HAZMAT on an Air Force installation, and must report usage data to the HAZMART.

Hazardous materials are any substance defined by OSHA as a hazardous substance requiring a Material Safety Data Sheet (MSDS). Hazardous materials that need to be reported include but are not limited to chemicals, paints, thinners, sealing compounds, strippers, glues, solvents, all petroleum products including oils, hydraulic fluids and fuels stored on-site (fuels in vehicles are exempt), pesticides, adhesives, acids, flammables, corrosives, oxidizers, compressed gases (such as but not limited to oxygen, acetylene, propane, flammable and non-flammable gases), all aerosols and all materials containing hazardous substances.

The Contractor shall request the proposed usage of all Hazardous Materials by completing the "Contractor Hazardous Material Worksheet" at Attachment 2 (Contractor Hazardous Material Worksheet) for each hazardous material and shall submit a copy of the Material Safety Data Sheet (MSDS) for each item to the Contracting Officer (CO) prior to bringing the items on the installation. The Contractor shall submit to the CO the information for each item within 10 days after award of the contract or project and/or not less than fourteen calendar days prior to bringing the items on the installation. For short notice contracts or projects, the Contractor will submit this information to the CO as soon as possible. An electronic version of the Contractor Hazard-

ous Material Worksheet can be obtained through the Project Manager or 633 CES/CEAN.

The CO will immediately provide this information to the Project Manager who will in turn provide it to 633 CES/CEAN immediately.

After the project starts, monthly usage information will be provided to the CO who will in turn provide this information to the Project Manager who will in turn provide it to 633 CES/CEAN. Attachment 3 (Monthly Report for HAZMAT) of this section will be used to report monthly usage. For contracts/projects exceeding six months, this form is required to be filled out on a monthly basis. For contracts less than six months, this form is required at the beginning and at the completion of work.

If there are any questions on how to fill out the Contractor Hazardous Material Worksheet or the monthly report, contact the LAFB HAZMART at 757-764-3837 Monday thru Friday between the hours of 0730-1630 or visit them at:

633 LRS/HAZMART
Bldg 330
23 Sweeney Blvd
Langley AFB VA 23665

1.7.2. Hazardous Materials Management Process (HMMP): The LAFB HMMP team will meet on a weekly basis or an as-needed basis to review the Contractor Hazardous Material Worksheets and MSDSs to ensure there are no concerns with the chemicals being used and/or stored on the installation. If there are concerns about any chemicals and if it is determined that the Contractor plans to use an extremely hazardous chemical on LAFB, the HMMP team will notify the Project Manager and the Contracting Officer (CO) who will in-turn notify the Contractor of LAFB's concern. The Contractor will not bring any extremely hazardous chemicals on LAFB or any other chemicals that the HMMP team determines cannot be used on Langley. The HMMP team will also notify the Project Manager if all hazardous materials are authorized for use.

If the Contractor requires additional hazardous materials not previously submitted for approval, they shall submit the request as stated above seven days prior to bringing the item on the base.

NOTE: If it is determined at any time that hazardous materials are on site that were not reported in advance, the CO will be notified and the project can be stopped until the materials are submitted as stated above.

1.7.3. Hazardous Material Storage: Hazardous materials will be managed properly at all times while on LAFB. This means containers will be in good condition and will be properly labeled with the contents and hazard class (flammable, corrosive, oxidizer, etc) at all times. Containers will be closed at all times when not in use, hazardous materials will be kept under cover to protect them from the elements and to prevent stormwater runoff contamination, and tanks and 55-gallon liquid drums will have secondary containment. Gas cylinders will be maintained in the upright position with caps on and will be secured with chains and locks to prevent tampering and to prevent them from falling over. Gas storage areas will have signs indicating what type gases are stored in the area (i.e. flammable, oxidizer, non-flammable, etc). NO SMOKING signs will be posted in all hazardous materials storage areas. In addition, all hazardous materials will be segregated in storage according to compatibility (i.e. flammables will not be stored with corrosives,

corrosives will not be stored with oxidizers, flammable gases will not be stored with flammable liquids, etc). LAFB is subject to inspections at any time from outside agencies (EPA, Virginia Dept of Asset Management Quality and OSHA) and any violations by the Contractor will be the responsibility of the Contractor and any fines associated with the violations will be resolved at the Contractor's expense.

1.8 USE OF RECYCLED-CONTENT PRODUCTS: (GREEN PROCUREMENT):

Whenever the potential for use of non-recycled content products exists during the construction stage of the project, the Contractor shall incorporate in this project, as a substitute, recycled-content products that are listed and identified in the Asset Management Protection Agency (EPA) Comprehensive Procurement Guidelines (CPG) for recycled-content products. The Contractor shall use recycled-content products as required by EPA and other governmental agencies and Federal Acquisition Regulation (FAR) clauses.

It is mandated by Executive Order 13423, (Strengthening Federal Environmental, Energy and Transportation Management) and Section 6002 of the Resource Conservation and Recovery Act (RCRA) that the Federal Government use recycled-content products in the construction and/or renovation of facilities. It is the intent of the Government to comply with the Environmental Protection Agency (EPA) requirement 100% of the time and use as many of the applicable listed recycled-content products as feasible and economically practical. The Contractor shall consider this a standard requirement for all aspects of the project construction.

The recycled-content products listed in the CPG can be found in the EPA website at www.epa.gov/cpg/products.htm. These products are also listed at Attachment 4 (Contract Submittal and Contractor Reporting Form). This list is subject to change at any time so it is the Contractor's responsibility to be aware of any updates or additions.

Such products shall also comply with the requirements of the EPA Recovered Materials Advisory Notice (RMAN). The RMANs recommend recycled-content ranges for CPG products based on current information on commercially available recycled-content products. The recommended recovered materials content percentage can be obtained by clicking on the product on the website.

1.8.1. Green Procurement Forms Before starting the project, the Contractor shall complete Attachment 4 indicating the items he plans to use. The Contractor will provide this to the Contracting Officer and the Project Manager. Then during the accomplishment of the project construction, the Contractor shall complete the form again. At this time, the Contractor shall indicate the use and non-use of products that are contained in the CPG and will list the recycled-content percentage for the applicable item. In each instance where a recycled-content construction product is not used, the Contractor shall provide to the Contracting Officer (or his/her designated representative) and the Project Manager a completed Exemption Form, Attachment 5 (Recovered Materials Determination Form).

The Contractor shall complete this form for all items for which he or she desires an exemption from the Green Procurement Program for Recovered Materials that are being procured. Exemptions can only be taken if (1) the item is not available within a reasonable period of time (2) item fails to meet a performance standard in the specifications and (3) the item was only available at

an unreasonable price i.e., the recycled-content product costs more than the non-recycled content product. The fourth reason on the Recovered Materials Determination Form, (4) the item is not available from 2 or more sources, does not apply to construction/renovation Contractors as the Government will not specify where you can get your materials from. Specific reasons why an exemption is taken will be specified on the form and documentation supporting this reason will be provided and attached.

The Contractor will sign the form as the "Procurement Originator" and the completed form will be signed by the 633 CES Programs Flight Chief or Deputy Flight Chief, 633 CES/CEP. These forms will be kept in the project folder indefinitely.

1.9 ENVIRONMENTAL RESTORATION PROGRAM (ERP) REQUIREMENTS:

[Include only if work is in ERP area. Ensure drawings define IRP boundaries and well locations.] Appropriate, additional guidance will be provided if project impacts an ERP site.

1.9.1. Contaminated Soil and Free Product: Any material (soil) that is suspected of containing petroleum products shall be reported to the Contracting Officer or his/her designated representative. If discovered, the Contractor shall mitigate any potential threat to the workers, public and environment. The area that will be disturbed under this contract has the potential to have free product migrate into and under the construction site. Comply with VR-680 and record the quantity of any fuel removed from [the line]. Contaminated soil and/or free product shall not be used for backfill or removed from the base without written approval from the Contracting Officer. Once removal is approved, Contractor shall dispose of material under guidance of the Hazardous Waste Manager (633 CES/CEANC). All hazardous waste manifests shall be prepared by the Contractor and shall be coordinated, approved and signed by Hazardous Waste Manager (633 CES/CEANC) prior to removal of such waste from the base.

1.9.2. Site Safety: Site summaries from our Management Action Plan are furnished with this contract to familiarize personnel with the potential hazards associated with construction and demolition work at these sites. Ensure workers are informed of potential hazardous exposures from working at these sites, and that the appropriate precautions are followed to minimize hazards to human health and the environment. Personnel working at these sites shall have 40-hour HAZWOPER Training. At least one individual on site should have completed the OSHA 8-hour supervisor training course. The plans identify the boundary of these IPR sites. To perform work at these sites, the Contractor must have a Health and Safety Plan and Hazardous Waste Disposal Plan for proper disposal of all regulated materials generated during execution of this project.

1.9.3. Monitoring Wells: There may be several monitoring wells installed in and around the proposed construction area. Site maps and construction drawings provide the location of these wells. The Contractor shall take all precautions to prevent any damage to wells. If the wells and associated structures are damaged during the project, the Contractor shall repair/replace all damages at no additional expense to the Government. Contractor shall dispose of all regulated materials during repair of the damaged structures and remove any free product as required by VDEQ regulations.

1.9.4. Additional Excavation: Prior to any excavation beyond the immediate area or boundary of the construction site, the Contractor shall coordinate with 633 CES/CEA and obtain the Contracting Officer's approval.

1.10 SOIL SUPPORT PROGRAM (SSP) ACCEPTABILITY

The soils obtained from off-base sources shall meet the criteria outlined below. The soils generated during construction project excavation will be collectively referred to as project (soil) media. Soil media is not inherently waste-like, but it may contain waste-like materials, including contaminants associated with the site. Given the base history of operations, the Contractor must make a determination of whether the soil is contaminated. If the media is determined to be contaminated, then a hazardous waste determination must be made. Standards for testing are described below. The contaminated media will be managed as a solid waste and removed from base. If the media is determined to be uncontaminated and not waste-like, then it may be disposed on site in an environmentally sound manner.

1.10.1. Clean Soil. Projects requiring clean soil, including but not limited to top soil and backfill materials, to be brought onto Langley AFB or relocated within base property must meet minimum standards based on results of physical (geotechnical) and chemical testing. All materials will meet physical (geotechnical) specifications appropriate for the type of project being accomplished and are typically identified elsewhere in the project specifications. The intent of this section is to prevent contamination from borrowed sources (i.e. planned excavation) and define clean soil based on chemical specifications. Levels of chemical contamination will be determined to ensure borrow soils may be used for the current and future use of the project location. The Contractor shall implement a plan and confirm the proposed borrow soils meet clean soil requirements. The plan should incorporate borrow source information, sampling data, and testing results. As a minimum, the Contractor shall meet the following standards:

1.10.2. Borrow Source. The Contractor shall provide detailed borrow source information (e.g., location, owner, operator, past and current land use, previous chemical testing results) at the point of planned excavation to 633 CES/CEAN to determine chemical testing requirements. The Contractor shall also submit a certification stating the materials contain no asbestos, no gross contamination have been discerned by visual or olfactory observations, and no spills of a listed hazardous waste (40 CFR 261) have occurred at the borrow site. If previous chemical testing results exist and are provided, 633 CES/CEAN will evaluate those results to determine if they are sufficient and the proposed borrow soils meet clean soil requirements. If testing is incomplete, 633 CES/CEAN will review borrow source information to determine chemical sample requirements.

1.10.2.1. On-base Soil Sources. Unless otherwise provided in the contract, the Contractor shall bear all expenses of developing the source. For the site where soil is reclaimed from government land, the Contractor may be required to perform final grade and seeding according to project requirements.

1.10.2.2. Excess Soil Work. Acceptable excess soil shall be delivered to the designated location(s) following approved haul routes. For the site where excess soil is deposited on government land, the Contractor may be required to perform final grade and seeding according to project requirements.

1.10.3. Sample Plan. At least one composite sample (6 - 8 grabs) for each undisturbed borrow source would be taken from the original point of excavation and required for each 5,000 CY of soil. For soil taken from disturbed borrow sources, samples are required for each 1,000 CY of soil. The nature of the borrow source is to be considered when determining the quantity and depth of the samples. Additional samples may be required to adequately characterize the proposed borrow source (i.e. laterally and vertically). The Contractor shall submit a Sample Plan (to include site map, excavation area, location and depth of samples) for 633 CES/CEAN review and approval.

1.10.4. Chemical Testing Standards. The analysis must be performed by a laboratory approved by the U. S. Environmental Protection Agency. Submit a copy of the chain of custody and complete validated report of analysis to 633 CES/CEA for review and approval 30 days prior to use of any borrow soils. Chemical testing of any borrow source will include sampling for the following suite of contaminants (test requirements may be reduced based on borrow source information):

- Total Petroleum Hydrocarbons (TPH) to include Gasoline Range Organics (GRO) and Diesel Range Organics (DRO);
- Volatile Organic Compounds (VOCs) [EPA method 8260B] to include Benzene, Toluene, Ethylbenzene, and Xylene (BTEX);

The soil support test suite shall also include unless generator knowledge suggests otherwise:

- Semi-volatile Organic Compounds (SVOCs) [EPA method 8270];
- Pesticides [EPA method 8081A];
- Polychlorinated Biphenyls (PCBs) [EPA method 8082]; and
- Target Analyte List (TAL) metals (including Mercury) [EPA method 6010B/7470A]
- Volatile Organic Compounds (VOCs) [EPA Method 8260] other than BTEX compound reference in the preceding paragraph.

1.10.5. Clean Soil Determination. Soils testing under the EPA screening levels and/or base "background" levels will be considered acceptable "clean" soil. Generally, acceptable clean soil must not exceed EPA Region III "Residential" Risk Based Concentrations (RBC) and the LAFB Upper Tolerance Limit (UTL) background soil concentrations. For use in current and future industrial areas, EPA Region III "Industrial" RBCs may be considered but shall not exceed UTL background levels.

1.10.6. Excavation and Delivery Screening. Common to any multiple point sampling, composite testing may not accurately characterize the entire site. Should contamination be detected (e.g. free product, stained soils, chemical odors) during excavation or delivery, soil operations shall be immediately discontinued pending 633 CES/CEAN notification and resolution. Additional soil testing and screening may be required to determine if continued use of the borrow site is acceptable.

1.10.7. Material Physical Characteristics. All soil obtained from sources within or outside the limits of government-controlled land shall meet the physical characteristics as defined in project specifications.

1.11 TREE PROTECTION, PRESERVATION AND PLANTING

1.11.1. Tree Protection - trees take generations to mature, yet they can be irreparably damaged or killed within seconds, or subjected to conditions that

may take five to ten years to kill them. Improper planting may result in short-term death, structural failure, or a long-term senescence. Most situations can be prevented.

1.11.2 Because trees contribute so much to our quality of life and because they can be a potential liability, they must be actively conserved, wisely selected, well placed, well planted, routinely maintained and constantly protected. One of the most critical steps in planning for trees and cost effective ways of managing trees is to maintain adequate growing space for each tree's roots, trunk and crown throughout the tree's life. Remember that as a tree gets older it gets larger and the growing space it requires increases accordingly.

1.11.3. For existing trees, there is a minimum amount of area, above (for the trunk and crown) and below ground (for soil health and the root system) that is required to protect trees and preserve tree health. This area has been identified as the critical root zone (CRZ) or tree protection zone (TPZ) by various experts and is generally agreed to be equivalent to the soil area below ground and the space above ground defined by the tree's dripline, or the greatest extent of the branches. This is depicted in Figure 1

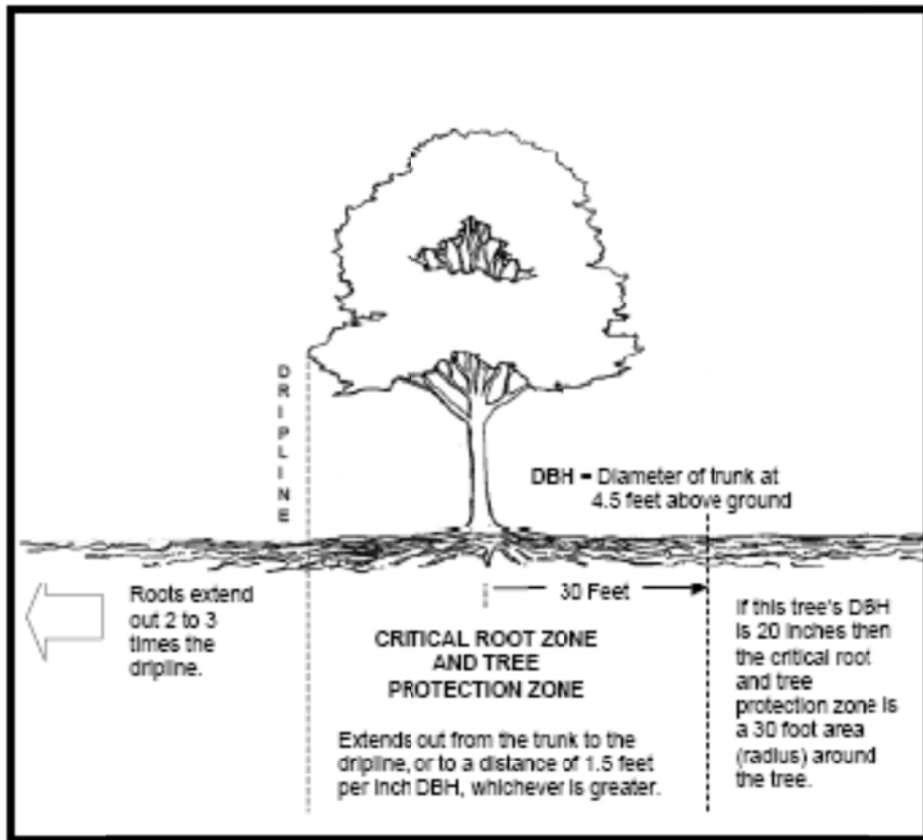


Figure 1. Location of the Critical Root Zone and Tree Protection Zone

1.11.4. However, for small trees, newly planted trees, and trees with narrow crowns, the dripline defines an area that is too small for proper protection. So it is best to define both the critical root and tree protection zones as the circular area above and below ground with a radius equivalent to the

greater of 6 feet or 1.5 feet for every inch in trunk diameter at 4.5 feet above the ground. For example, a tree with a trunk diameter (dbh) of 20 inches has a CRZ and TPZ of 30 feet (20 inches x 1.5) around the tree. While the radius of the CRZ (and TPZ) is 30 feet, the diameter of the entire CRZ (and TPZ) is 60 feet.

**Guide to Working Around Trees -
How Trees Are Damaged During Construction**

Above Ground Physical injury to the trunk and crown

Construction equipment can injure the above-ground portion of a tree

- Breaking Branches
- Tearing the Bark
- Wounding the Trunk
- These injuries are permanent, and if extensive, can be fatal.

Below Ground Physical injury to the trunk and crown

- Soil compaction in the root zone
- Severing of roots
- Smothering roots by adding soil
- Split and broken branches
- New exposure to wind and sunlight

The roots of a tree will extend far from the trunk and will be found mostly in the upper 18 inches of the soil.



Soil compaction

An ideal soil for root growth and development is about 50% pore space. These pores, the spaces between soil particles, are filled with water and air. The heavy equipment used in construction compacts the soil and can dramatically reduce the amount of pore space. This not only inhibits root growth and penetration but also decreases oxygen in the soil that is essential to the growth and function of the roots.

Developed from:

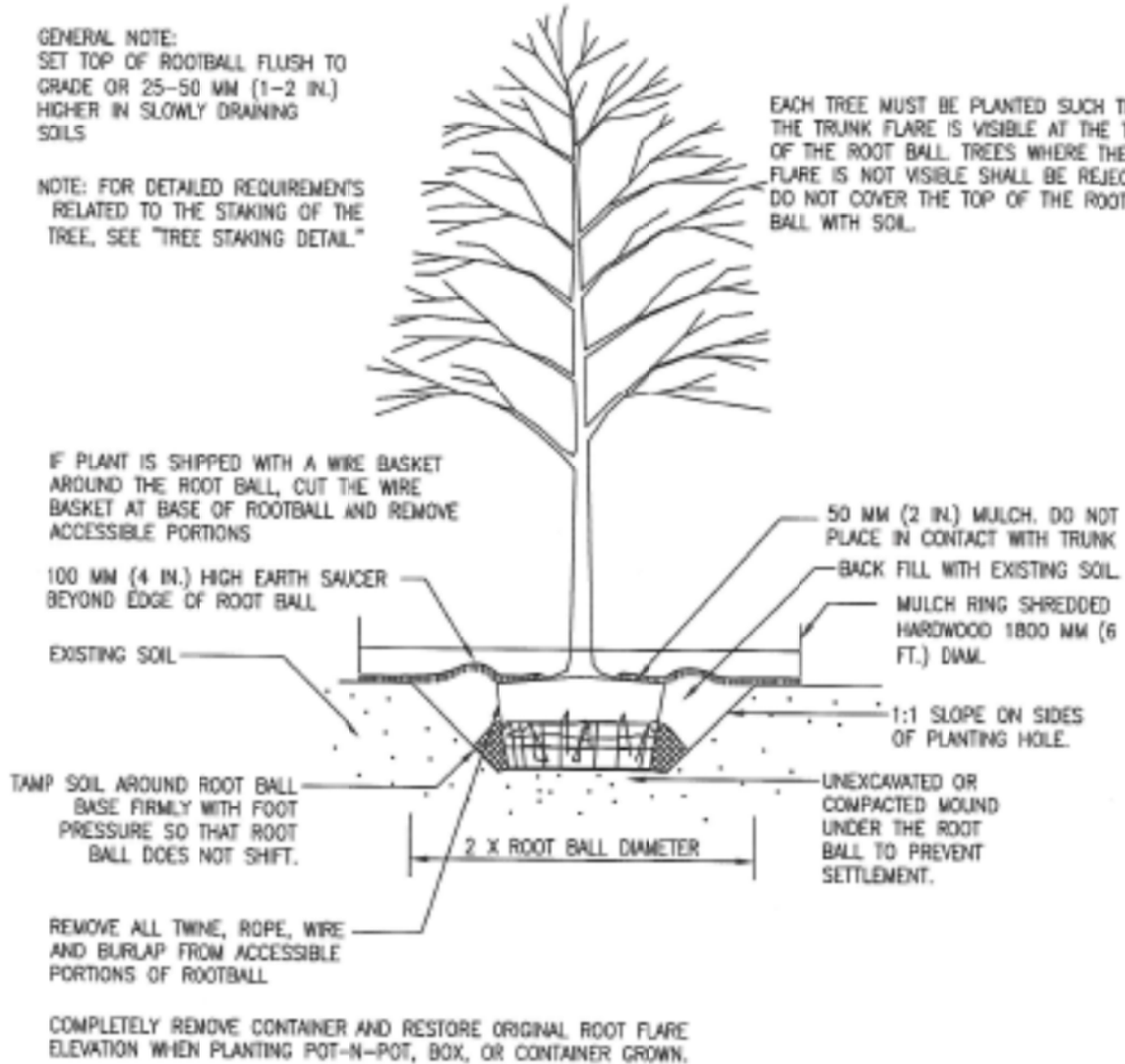
INTERNATIONAL SOCIETY OF ARBORICULTURE

INTERNATIONAL SOCIETY OF ARBORICULTURE
1400 WEST ANTHONY DRIVE
CHAMPAIGN, IL 61821
(217) 355-9411
(217) 355-9516 FAX

GENERAL NOTE:
SET TOP OF ROOTBALL FLUSH TO
GRADE OR 25-50 MM (1-2 IN.)
HIGHER IN SLOWLY DRAINING
SOILS

NOTE: FOR DETAILED REQUIREMENTS
RELATED TO THE STAKING OF THE
TREE, SEE "TREE STAKING DETAIL."

EACH TREE MUST BE PLANTED SUCH THAT
THE TRUNK FLARE IS VISIBLE AT THE TOP
OF THE ROOT BALL. TREES WHERE THE TRUNK
FLARE IS NOT VISIBLE SHALL BE REJECTED.
DO NOT COVER THE TOP OF THE ROOT
BALL WITH SOIL.



LANGLEY AFB TREE PLANTING DETAIL - developed 23 DEC 2004

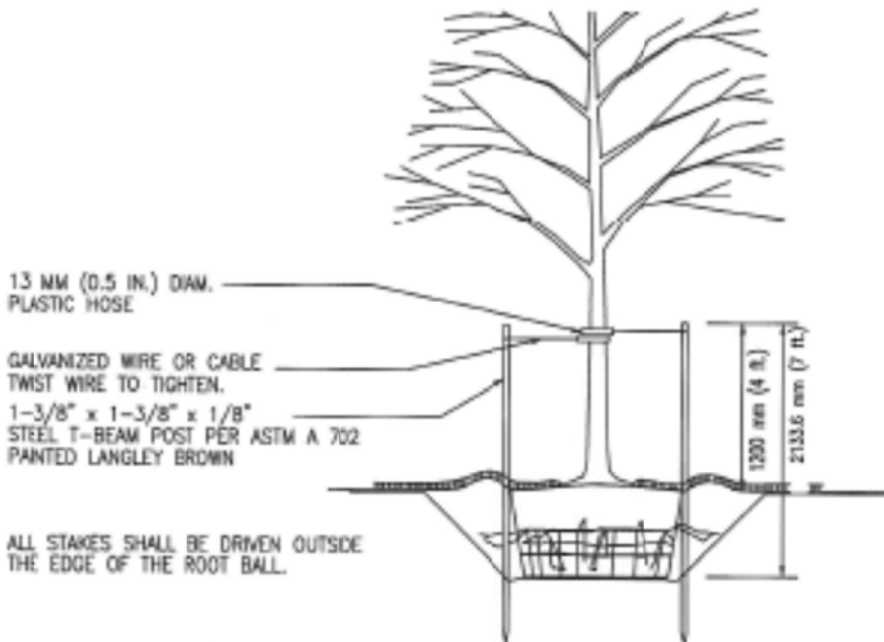
DEVELOPED FROM:
**INTERNATIONAL SOCIETY
 OF ARBORICULTURE**

INTERNATIONAL SOCIETY OF ARBORICULTURE
 1400 WEST ANTHONY DRIVE
 CHAMPAIGN, IL 61821
 (217) 355-9411
 (217) 355-9516 FAX

WIRE OR CABLE SIZES SHALL BE AS FOLLOWS:
 TREES UP TO 65 MM (2.5 IN.) CALIPER - 14 GAUGE
 TREES 65 MM (2.5 IN.) TO 75 MM (3 IN.) CALIPER - 12 GAUGE

TIGHTEN WIRE OR CABLE ONLY ENOUGH TO KEEP FROM SLIPPING. ALLOW FOR SOME TRUNK MOVEMENT. PLASTIC HOSE SHALL BE LONG ENOUGH TO ACCOMMODATE 35MM (1.5 IN.) OF GROWTH AND BUFFER ALL BRANCHES FROM THE WIRE.

TUCK ANY LOOSE ENDS OF THE WIRE OR CABLE INTO THE WIRE WRAP SO THAT NO SHARP WIRE ENDS ARE EXPOSED.



ASSURE THAT THE BEARING SURFACE OF THE PROTECTIVE COVERING OF THE WIRE OR CABLE AGAINST THE TREE TRUNK IS A MINIMUM OF 12 MM (0.5 IN.).

REMOVE ALL STAKING AS SOON AS THE TREE HAS GROWN SUFFICIENT ROOTS TO OVERCOME THE PROBLEM THAT REQUIRED THE TREE TO BE STAKED. STAKES SHALL BE REMOVED NO LATER THE END OF THE FIRST GROWING SEASON AFTER PLANTING.

NOTES

1. PLEASE REFER TO INTRODUCTION AND USE CRITERIA PRIOR TO USING THIS DETAIL.

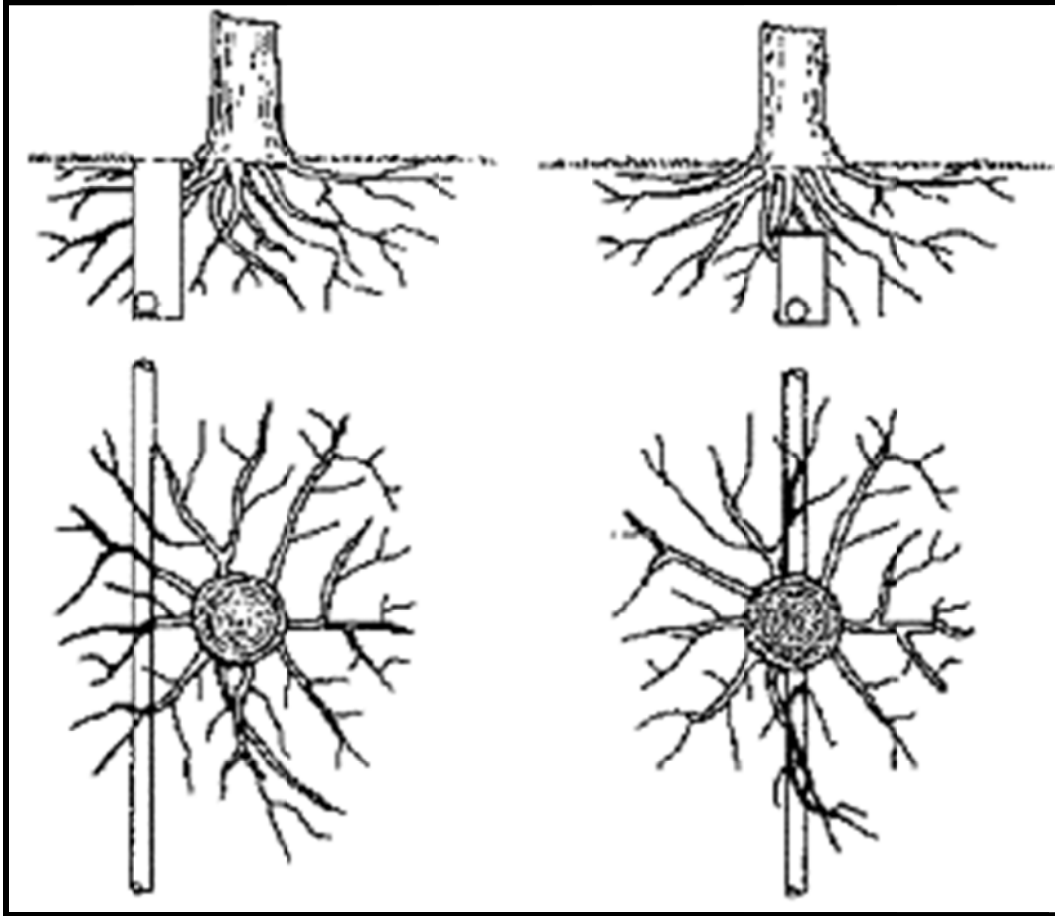


LANGLEY AFB TREE STAKING DETAIL

DEVELOPED 27 DEC 2004

1.11.5 Tree Protection Zone Structures

- Chain link fence - 48-inch minimum height
- Snow/Sand fence - 48-inch minimum height
- Safety fence - 48-inch minimum height



The digging and trenching that are necessary to construct a structure and install underground utilities will likely sever a portion of the roots of many trees in the area. It is easy to appreciate the potential for damage if you understand where roots grow. The roots of a mature tree extend far from the trunk of the tree. In fact, roots typically will be found growing a distance of 1-3 times the height of the tree. The amount of damage a tree can suffer from root loss depends, in part, upon how close to the tree the cut is made. Severing one major root can cause the loss of 5-20% of the root system.

Complying with Wetland Regulations

1.12.1 633 CES/CEAN is not responsible for project compliance with federal, state and local wetland regulations. It is incumbent upon design and contracting personnel and contractors to determine wetland permitting and mitigation requirements. This process should begin with the preparation of the DD 1391 and DD 813. Please note that your proposed activity may be covered by a Nationwide Permit or a State Program General Permit. Allow at least 60 days for the acquisition of a wetlands permit if one is required.

1.12.2 All wetlands permitting shall be completed prior to the start of construction activities that will affect the waters of the United States.

1.12.3 Consult the Code of Federal Regulations, TITLE 33 - NAVIGATION AND NAVIGABLE WATERS, CHAPTER II - CORPS OF ENGINEERS, DEPARTMENT OF THE ARMY, DEPARTMENT OF DEFENSE, PART 330 - NATIONWIDE PERMIT PROGRAM for information.

1.12.4 To delineate wetlands and other waters of the United States, the consultant you select should be familiar with and utilize the current 1987 Corps Wetlands Delineation Manual, and subsequent guidance, to perform a wetland(s) delineation. The consultant's findings should then be provided to the Corps in the form of a report. Corps staff will review the validity of the report and make a written and appealable agency determination on the presence and extent of wetlands and other waters of the United States on the property.

1.12.5 A Joint Permit Application (JPA) is used to apply for standard permits, also known as individual permits, for work in the waters of the United States (including wetlands) within Virginia. Such work may include construction, dredging, filling, or excavation in the waters or in wetlands. The JPA may be optionally used for a Nationwide Permit (NWP) Preconstruction Notification (PCN), but if used for a PCN must be boldly marked as a PCN and check marked on page 7 of the July 2008 revision as a PCN.

These applications are used to apply for permits from the Norfolk District Army Corps of Engineers, the Virginia Marine Resources Commission (VMRC), the Virginia Department of Environmental Quality (DEQ) and local wetlands boards. The JPA process and JPA forms are used by the United States Army Corps of Engineers (USACE), the Virginia Marine Resources Commission (VMRC), the Virginia Department of Environmental Quality (DEQ), and the Local Wetlands Boards (LWB) for permitting purposes involving water, wetlands and/or dune/beach resources, including, but not limited to, construction, dredging, filling or excavation. Read the directions on the application carefully to determine how many copies must be submitted to the VMRC, who acts as the clearinghouse for permit applications. Permit applicants may obtain paper copies of the Joint Permit Applications by calling the Corps at 757.201.7652, or by download:

<http://www.nao.usace.army.mil/technical%20services/Regulatory%20branch/JPA.asp>

There are two different Joint Permit Applications available for use depending on the type of activity that you are proposing. If you propose to impact tidal waters, or wetlands, or dunes/beaches in the Tidewater area of Virginia, you may be eligible to use the TIDEWATER JPA, an abbreviated version of the Joint Permit Application. Activities eligible to use the Tidewater JPA include piers, boathouses, boat ramps, moorings, marinas, aquaculture facilities, riprap revetments, bulkheads, marsh toe stabilizations, breakwaters, beach nourishment, groins, jetties, road crossings over tidal waterways and

utility lines over or under tidal waterways. Dredging and excavation projects in tidal waterways/wetlands MUST use the Standard JPA.

1.12.6 Your complete JPA shall be submitted to 633 CES/CEAN for review and routing to 633 ABW for the signature of 633 ABW/CC. 633 CES/CD shall be designated as the agent.

1.12.7 Contracts, specifications and bid documents/advertisements should clearly indicate that it is the general contractor's responsibility to determine and verify the presence and location of jurisdictional wetlands, prepare permit applications and other documents for the 633 ABW per 1.12.6, submit permit fees and make any required payments in lieu of mitigation to the Virginia Aquatic Resources Trust Fund or its legal designee.

1.13 Conformance with Environmental Management Systems

The Contractor shall perform work under this contract consistent with the relevant policy and objectives identified in Langley AFB's Environmental Management System (EMS). The Contractor shall perform work in a manner that conforms to all appropriate Environmental Management Programs and Operational Controls identified by the Langley AFB EMS. In the case of a noncompliance, the Contractor shall respond and take corrective action immediately. In the case of a nonconformance, the Contractor shall respond and take corrective action based on the time schedule established by the EMS Site Coordinator. In addition, the Contractor shall ensure that their employees are aware of the roles and responsibilities identified by the EMS and how these requirements affect their work performed under this contract.

All on-site contractor personnel shall complete yearly EPA sponsored environmental training specified for the type of work conducted on-site. Upon inclusion in the contract Statement of Work, the Contracting Officer's Representative will verify that all contractor personnel have acquired EMS Awareness Training at their appropriate site or location. Training is provided at www.esohtn.com.

1.14 Cultural Resource Protection

During any excavation on Langley AFB's property or; rehabilitation, repair or maintenance on historic facilities or; new construction, it is imperative that the Contractor contact the 633 CES Cultural Resource Manager to assure Section 106 compliance.

1.15 Discrepancies: In case of a conflict or discrepancy between Asset Management regulations or laws and the contract specifications, the Contractor shall immediately submit the matter in writing to the Contracting Officer for a determination. Without such determination, any actions taken shall be at the Contractor's own risk and expense.

References:

1. EPA Region III Risk Based Concentration (RBC) table. As this table is updated every 6 months, analysis is to be determined by the table current at the time of testing. This table can be found at <http://www.epa.gov/reg3hwmd/risk/human>.
2. Background Chemical Data Document for Langley AFB, 21 Oct 97, Table 7-1. The UTL (Upper Tolerance Limit) Summary Table outlines the Langley AFB's background data set. This table can be requested through 633 CES/CEA.

ATTACHMENT 1

CONSTRUCTION/DEMOLITION DEBRIS RECYCLING AND REPORTING

As stewards of the environment and because of the Air Force goals of diverting greater than 40% of its waste away from landfills, Contractors shall recycle C&D debris to the maximum extent possible. There are many sources in the local area that can recycle C&D. A list of sources can be found in the "Special Conditions" portion of Langley construction contracts. If you need further assistance finding sources, contact the 633 CES/CEAN Pollution Prevention Manager at (757) 764-3987. Langley AFB must report recycling metrics to higher Headquarters quarterly. Therefore, complete the form below for each project on Langley AFB and submit a copy to the 633 CONS Contracting officer, the 633 CES/CEP Project Manager and 633 CES/CEAN (Pollution Prevention Program Manager), by the fifth day of each quarter (5 Apr, 5 July, 5 Oct and 5 Jan) for the previous three month period for the duration of the project.

PROJECT NUMBER AND TITLE: _____

PROJECT LOCATION (BLDG # AND STREET ADDRESS): _____

CONTRACTOR NAME: _____

CONTRACTOR ADDRESS/PHONE NUMBER: _____

TYPE ITEMS RECYCLED:

- _____ Concrete without rebar
- _____ Concrete with rebar
- _____ Scrap Metals
- _____ Wood
- _____ Roofing Materials
- _____ Brick
- _____ Asphalt
- _____ Other: Specify _____

TONNAGE OF ITEMS RECYCLED: _____ TONS

TYPE ITEMS NOT RECYCLED:

- _____ Concrete without rebar
- _____ Concrete with rebar
- _____ Scrap Metals
- _____ Wood
- _____ Roofing Materials
- _____ Brick
- _____ Asphalt

CONTINUED ON THE BACK

C&D DEBRIS RECYCLING AND REPORTING FORM (CONT'D)

____ Other: Specify _____

REASONS ITEMS WERE NOT RECYCLED:

____ No market for the items

____ No local vendors to recycle the materials

____ Not economically feasible: Specify: _____

____ Other: Specify: _____

PROVIDE NAME OF COMPANY, POINT-OF-CONTACT AND PHONE NUMBER OF SOURCE BY WHICH RECYCLING AN ITEM(S) WERE ATTEMPTED:

Company Name: _____

Point of Contact: _____

Phone Number: _____

C&D ITEMS DISPOSED OF BY LANDFILL: _____ TONS

C&D ITEMS DISPOSED OF THROUGH REGULAR INCINERATION: _____ TONS

ITEMS DISPOSED OF BY WASTE-TO-ENERGY INCINERATION: _____ TONS

CONTRACTOR SIGNATURE

DATE

NOTE: ELECTRONIC SIGNATURE ACCEPTABLE

To Be Completed by USAF Personnel Only

EMIS Shop Code: _____

BEE: ___ Recommend Approval ___ Recommend Disapproval: Comments:

SE: ___ Recommend Approval ___ Recommend Disapproval Comments:

CEAN: ___ Approve ___ Disapprove Comments:

HAZMART: ___ Concur ___ Nonconcur Comments:

ATTACHMENT 4

CONTRACT SUBMITTAL AND CONTRACTOR REPORTING FORM

Comprehensive Procurement Guidelines

(This chart is not intended to replace the EPA guidelines found at <http://www.epa.gov/cpg/products.htm>. It is the Contractor's responsibility to stay apprised of any new additions to these guidelines.)

Categories and Designated Items (Note: This table includes proposed CPG items as well as items designated final.)	If marked w/ an "X", item is applicable	Purchased with no recycled content	Purchased with recycled content	Percent of recycled content
<u>VEHICULAR PRODUCTS</u>				
Engine coolants - antifreeze				
Rebuilt vehicular parts				
Re-refined lubricating oils - including motor oil				
Retread tires				
<u>CONSTRUCTION PRODUCTS</u>				
Building insulation products				
Carpet (Polyester)				
Carpet cushion				
Cement and concrete containing coal fly ash, ground granulated blast furnace slag, cenospheres, or silica fume				
Consolidated and reprocessed latex paint				
Floor tiles				
Flowable fill				

SECTION 01 12 00 - ASSET MANAGEMENT SPECIAL CONDITIONS

Categories and Designated Items (Note: This table includes proposed CPG items as well as items designated final.)	If marked w/ an "X", item is applicable	Purchased with no recycled content	Purchased with recycled content	Percent of recycled content
Laminated paperboard				
Modular threshold ramps				
Nonpressure pipe				
Patio blocks				
Railroad grade crossing surfaces				
Roofing materials				
Shower and restroom dividers and partitions				
Structural fiberboard				
<u>LANDSCAPING PRODUCTS</u>				
Compost made from yard trimmings or food waste				
Garden and soaker hoses				
Hydraulic mulch				
Lawn and garden edging				
Plastic lumber landscaping timbers and posts				
<u>NON-PAPER OFFICE PRODUCTS</u>				
Binders				

SECTION 01 12 00 - ASSET MANAGEMENT SPECIAL CONDITIONS

Categories and Designated Items (Note: This table includes proposed CPG items as well as items designated final.)	If marked w/ an "X", item is applicable	Purchased with no recycled content	Purchased with recycled content	Percent of recycled content
<u>NON-PAPER-OFFICE PRODUCTS</u> (cont)				
Clipboards				
Clip Portfolios				
File folders				
Presentation Folders				
Office Furniture				
Office recycling containers				
Office waste receptacles				
Plastic desktop accessories				
Plastic envelopes				
Plastic trash bags				
Printer ribbons				
Toner cartridges				
<u>PAPER AND PAPER PRODUCTS</u>				
Commercial/industrial sanitary tissue products				
Miscellaneous papers				

SECTION 01 12 00 - ASSET MANAGEMENT SPECIAL CONDITIONS

Categories and Designated Items (Note: This table includes proposed CPG items as well as items designated final.)	If marked w/ an "X", item is applicable	Purchased with no recycled content	Purchased with recycled content	Percent of recycled content
Newsprint				
Paperboard and packaging products				
Printing and writing papers				
<u>PARK and RECREATION PRODUCTS</u>				
Park benches and picnic tables				
Plastic fencing				
Playground equipment				
Playground surfaces				
Running tracks				
<u>TRANSPORTATION PRODUCTS</u>				
Channelizers				
Delineators				
Flexible delineators				
Parking stops				
Traffic barricades				
Traffic cones				

SECTION 01 12 00 - ASSET MANAGEMENT SPECIAL CONDITIONS

Categories and Designated Items (Note: This table includes proposed CPG items as well as items designated final.)	If marked w/ an "X", item is applicable	Purchased with no recycled content	Purchased with re- cycled content	Percent of recy- cled content
<u>MISCELLANEOUS PRODUCTS</u>				
Awards and plaques				
Bike Racks				
Blasting grit				
Industrial drums				
Manual-grade strapping				
Mats				
Pallets				
Signage				
Sorbents				

ATTACHMENT 5

RECOVERED MATERIALS DETERMINATION FORM

This form is to be completed by the procurement originator for all purchases requesting an exemption from the Affirmative Procurement Program for Recovered Materials being procured. For questions on whether the product is "EPA designated" or what the required recycled content is, refer to the product descriptions on EPA's website at <http://www.epa.gov/cpg/products.htm>. This form is not required for construction item purchases less than \$2,000, or for other purchases less than \$3,000.

Procurement Request/Project No. _____

EPA Designated Eight Product Category Items**Category 1 Paper and Paper Products**

<input type="checkbox"/> Commercial/industrial sanitary tissue products	<input type="checkbox"/> Paperboard/packing products	<input type="checkbox"/> Printing and writing papers
	<input type="checkbox"/> Miscellaneous papers	<input type="checkbox"/> Newsprint

Category 2 Non-Paper Office Products

<input type="checkbox"/> Binders	<input type="checkbox"/> Plastic trash bags	<input type="checkbox"/> Presentation folders
<input type="checkbox"/> Plastic envelopes	<input type="checkbox"/> Office waste receptacles	<input type="checkbox"/> Clip portfolios
<input type="checkbox"/> Office recycling containers	<input type="checkbox"/> File folders	<input type="checkbox"/> Printer ribbons
<input type="checkbox"/> Office furniture	<input type="checkbox"/> Plastic desktop accessories	<input type="checkbox"/> Toner Cartridges
	<input type="checkbox"/> Clipboards	

Category 3 Park and Recreation Products

<input type="checkbox"/> Park benches and picnic tables	<input type="checkbox"/> Running tracks	<input type="checkbox"/> Playground equipment
	<input type="checkbox"/> Playground surfaces	<input type="checkbox"/> Plastic fencing

Category 4 Transportation Products

<input type="checkbox"/> Traffic barricades	<input type="checkbox"/> Delineators	<input type="checkbox"/> Traffic Cones
<input type="checkbox"/> Parking Stops	<input type="checkbox"/> Flexible delineators	<input type="checkbox"/> Channelizers

Category 5 Vehicular Products

<input type="checkbox"/> Engine Coolants	<input type="checkbox"/> Re-refined lubricating oils
<input type="checkbox"/> Retread tires	<input type="checkbox"/> Rebuilt vehicular parts

Category 6 Landscaping Products

<input type="checkbox"/> Garden and soaker hoses	<input type="checkbox"/> Hydraulic mulch	<input type="checkbox"/> Plastic Lumber Landscaping timbers and posts
<input type="checkbox"/> Compost and fertilizer made from recovered organic materials	<input type="checkbox"/> Lawn and garden edging	<input type="checkbox"/> Food waste compost

Category 7 Construction Products

- | | | |
|---|---|--|
| <input type="checkbox"/> Consolidated and reprocessed latex paint | <input type="checkbox"/> Railroad grade crossing and surfaces | <input type="checkbox"/> Structural fiberboard |
| <input type="checkbox"/> Cement and concrete containing coal fly ash, ground granulated blast furnace slag, cenospheres, or silica fume | <input type="checkbox"/> Building insulation | <input type="checkbox"/> Carpet (polyester) |
| <input type="checkbox"/> Roofing materials | <input type="checkbox"/> Shower and restroom dividers | <input type="checkbox"/> Carpet cushion |
| | <input type="checkbox"/> Laminated paperboard | <input type="checkbox"/> Floor tiles |
| | <input type="checkbox"/> Modular threshold ramps | <input type="checkbox"/> Patio blocks |
| | <input type="checkbox"/> Nonpressure pipe | <input type="checkbox"/> Flowable fill |

Category 8 Miscellaneous Products

- | | | |
|---|---|---|
| <input type="checkbox"/> Manual-grade strapping | <input type="checkbox"/> Pallets | <input type="checkbox"/> Industrial drums |
| <input type="checkbox"/> Mats | <input type="checkbox"/> Awards and plaques | <input type="checkbox"/> Signage |
| <input type="checkbox"/> Bike racks | <input type="checkbox"/> Sorbents | |
| <input type="checkbox"/> Blasting grit | | |

EXEMPTION CERTIFICATION

___ The following EPA designated guideline item is included in the specifications for the project; however, compliance with EPA standards is not attainable.

Item: _____

I have determined that the EPA guidelines were considered and determined inapplicable, based on the following:

Error! Bookmark not defined. ___ Item is not available within a reasonable period of time.

(Need date: _____ Date available: _____)

___ Item fails to meet a performance standard in the specifications.

Specifically, _____

___ Item was only available at an unreasonable price (i.e., recycled item cost more than non-recycled item).

Price of recycled item: _____

Price of non-recycled item: _____

___ Item is not available from 2 or more sources.

Market research was performed by calling ___(insert number) vendors, but only _____ (enter name) was able to supply the item.

This determination is made in accordance with FAR 23.405(c).

Procurement Originator/Contractor

Date

Signature of GPC Approving Official (if GPC used) _____ Date
or Project Manager/Supervisor/Flight Chief or Deputy for all other type purchases