

GUIDE SPECIFICATION FOR MILITARY CONSTRUCTION

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NOTE: This section should be used for both  
Military and Civil jobs.

It was last modified by C. Diven, Jan 04. New paragraphs for Tinker AFB were added pertaining to damages resulting from construction activities, protection or resources, storm water quality control, washing and curing waters, etc. Added references.

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SECTION 01561

ENVIRONMENTAL PROTECTION

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NOTE: This Guide Specification covers the requirements for environmental protection and for the prevention of environmental pollution and damage as the result of construction operations. This section is in addition to those measures set forth in other sections of these Technical Specifications. This guide specification is an updated SPECSINTACT version of the original guide specification dated July 1978.

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PART 1 GENERAL

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NOTE: See Additional Note A.

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1.1 REFERENCES

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.

CODE OF FEDERAL REGULATIONS (CFR)

- 29 1910.94 Ventilation
- 29 1910.1000 Air Contaminants
- 29 1910.107 Spray Finishing Using Flammable and Combustible Materials.
- 40 CFR 262 Subpart D, Recordkeeping and Reporting

ENVIRONMENTAL PROTECTION AGENCY (EPA)

- EPAPUB (2003) NPDES (National Pollution Discharge Elimination System) General Permits for Storm Water Discharges from Construction Sites

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ)

- OK R10 General Permit OKR10
- OPDES (2002) Oklahoma Pollutant Discharge Elimination System

1.2 DEFINITIONS

For the purpose of this specification, environmental pollution and damage is defined as the presence of chemical, physical, or biological elements or agents which adversely affect human health or welfare; unfavorably alter ecological balances of importance to human life; affect other species of importance to man; or degrade the utility of the environment for aesthetic, cultural and/or historical purposes. The control of environmental pollution and damage requires consideration of air, water, and land, and includes management of visual aesthetics, noise, solid waste, radiant energy and radioactive materials, as well as other pollutants.

1.3 SUBMITTALS

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**NOTE: Submittals must be limited to those necessary for adequate quality control. The importance of an item in the project should be one of the primary factors in determining if a submittal for the item should be required.**

Indicate submittal classification in the blank space following the name of the item requiring the submittal by using "G" when the submittal requires Government approval. Submittals not classified as "G" will show on the submittal register as

"Information Only". For submittals requiring Government approval, a code of up to three characters should be used following the "G" designation to indicate the approving authority; codes of "RE" for Resident Engineer approval, "ED" for Engineering approval, and "AE" for Architect-Engineer approval are recommended.

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Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. The following shall be submitted in accordance with Section 01300 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

Environmental Protection Plan; G, [\_\_\_\_\_].

The environmental protection plan shall address all items in the paragraph ENVIRONMENTAL PROTECTION REQUIREMENTS and shall be submitted with the Quality control Plan as described in Section 01440.

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NOTE: DELETE THE POLLUTION PREVENTION PLAN IF THE AREA THAT WILL BE DISTURBED IS NOT GREATER THAN 1 ACRE EXCEPT FOR TINKER AFB. TINKER AFB REQUIRES A POLLUTION PREVENTION PLAN FOR ALL PROJECTS. USE THE ALTERNATE 2 FOR ALL TINKER PROJECTS.

PLEASE NOTE THAT SOME AREAS OF LESS THAN 1 ACRE IN SENSITIVE AREAS COULD REQUIRE BOTH PERMITS AND A POLLUTION PREVENTION PLAN NO MATTER WHAT INSTALLATION YOU ARE WORKING ON. CHECK WITH THE PROJECT ENGINEER IF THERE IS A QUESTION.

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ALTERNATE 1

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Storm Water Pollution Prevention Plan (SWP<sub>3</sub>); G, [\_\_\_\_\_].

The pollution prevention plan (SWP<sub>3</sub>) shall address all items in the paragraph STORM WATER POLLUTION PREVENTION PLANS. The plan shall be submitted and approved prior to the beginning of construction.

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ALTERNATE 2

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In accordance with federal regulations and Oklahoma Department of Environmental Quality (ODEQ General Permit for Storm Water Discharges from Construction Activities GP-005A, Contractor shall submit a detailed, site-specific plan to include Best Management Practices (BMPs) and control measures taken by Contractor during construction activities to control pollutants in storm water discharges. This plan shall be developed for construction projects of all sizes and submitted with Notice of Intent (NOI).

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**NOTE: DELETE THE WASTE MANAGEMENT PLAN IF THIS IS NOT FOR A HTRW PROJECT.**  
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Waste Management Plan; G, [\_\_\_\_\_].

The waste management plan shall address the waste stream, estimated quantities of waste, describe and tentatively classify the broad waste types anticipated such as; hazardous waste (with an EPA waste code); solid waste; medical waste; radioactive waste; mixed hazardous/radioactive waste; and other special waste. The rationale for assignment of waste to these broad waste categories shall be provided.

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**USE THE FOLLOWING FOR WORK ON TINKER AFB INVOLVING POSSIBLE SPRAY PAINTING. (TAFB SECTION 00700, 5/02)**  
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Spray Painting Plan; G, [\_\_\_\_\_].

Submit detailed plan to include resultant cost savings and procedures indicating methods of isolating contract area from other areas of building, when applicable.

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**USE THE FOLLOWING 3 SUBMITTALS FOR TINKER AFB PROJECTS. (TAFB SECTION 00700, 5/02)**  
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Restoration Plan; G, [\_\_\_\_\_].

Submit a restoration plan showing how trees, shrubs, grass areas, flower gardens, etc., scarred or damaged by the Contractor's equipment or operations, shall be restored to the original condition.

Notice of Intent (DEQ Form 640-571); G, [\_\_\_\_\_]

Submit two (2) copies of a completed Notice of Intent (NOI) for Storm Water Discharges Associated with Construction Activities for coverage under Base permit for all construction, demolition, or excavation projects. This form can be obtained from the Oklahoma Department of Environmental Quality at their web site, <http://www.deq.state.ok.us>. The Contractor shall submit the unsigned NOI forms to the Contracting

Officer for incorporation into the Tinker AFB Base-wide permit.

Notice of Termination (ODEQ Form 640-572); G, [\_\_\_\_\_]

Submit two (2) copies of the completed form to terminate coverage under Base permit for Storm Water Discharges from Construction Activities. Form shall be submitted when final stabilization of construction site has been achieved. Final stabilization means all soil disturbing activities have been completed and a uniform vegetative with a density of 70 percent of native background cover has been established. This form can be obtained from the Oklahoma Department of Environmental Quality at their web site, <http://www.deq.state.ok.us>.

1.4 ENVIRONMENTAL PROTECTION REQUIREMENTS

Provide and maintain, during the life of the contract, environmental protection. Plan for and provide environmental protective measures to control pollution that develops during normal construction practice. Plan for and provide environmental protective measures required to correct conditions that develop during the construction of permanent or temporary environmental features associated with the project. Comply with Federal, State, and local regulations pertaining to the environment, including but not limited to water, air, and noise pollution.

1.4.1 Environmental Protection Plan

Within 15 days after receipt of Notice of Award of the contract and at least 7 days prior to the Preconstruction Conference, the Contractor shall submit in writing, with drawings, an Environmental Protection Plan and meet with representatives of the Contracting Officer to develop mutual understanding relative to compliance with this provision and administration of the environmental protection program. Approval of the Contractor's plan will not relieve the Contractor of his responsibility for adequate and continuing control of pollutants and other environmental protection measures. The Government reserves the right to make changes in his environmental protection plan and operations as necessary to maintain satisfactory environmental protection performance. The environmental protection plan shall include but not be limited to the following:

1.4.1.1 Laws, Regulations, and Permits

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**NOTE: Delete the information in the first set of brackets if a PPP is not required.**

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[Except for a Notice of Intent (NOI) required for obtaining a permit for storm water discharge which will be obtained by the Corps of Engineers, the][The] Contractor shall prepare a list of Federal, State and local laws, regulations, and permits concerning environmental protection, pollution control and abatement that are applicable to the Contractor's proposed operations and the requirements imposed by those laws, regulations and permits.

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**NOTE: Use the following para. for Tinker AFB.**

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1.4.1.2 Notice of Intent (NOI)

The Contractor shall submit copies of a completed Notice of Intent (NOI) for Storm Water Discharges Associated with Construction Activities for coverage under the Base-wide permit as required in paragraph entitled SUBMITTALS contained in this section.

1.4.1.3 Protection of Features

The Contractor shall determine methods for the protection of features to be preserved within authorized work areas. The Contractor shall prepare a listing of methods to protect resources needing protection, i.e., trees, shrubs, vines, grasses and ground cover, landscape features, air and water quality, fish and wildlife, soil, historical, archaeological and cultural resources.

1.4.1.4 Procedures

The Contractor shall implement procedures to provide the required environmental protection and to comply with the applicable laws and regulations. The Contractor shall set out the procedures to be followed to correct pollution of the environment due to accident, natural causes or failure to follow the procedures set out in accordance with the environmental protection plan.

1.4.1.5 Permit or License

The Contractor shall obtain all needed permits or licenses for disposal of solid, liquid, chemical, and other waste generated as a result of this contract.

1.4.1.6 Drawings

The Contractor shall include drawings showing locations of any proposed temporary excavations or embankments for haul roads, stream crossings, material storage areas, structures, sanitary facilities, stockpiles of earth materials, and disposal areas for excess earth material and unsatisfactory earth materials.

1.4.1.7 Environmental Monitoring Plans

The Contractor shall include environmental monitoring plans for the job site which incorporate land, water, air and noise monitoring.

1.4.1.8 Traffic Control Plan

The Contractor shall include a traffic control plan for the job site.

1.4.1.9 Surface and Ground Water

The Contractor shall establish methods of protecting surface and ground water during construction activities.

1.4.1.10 Work Area Plan

The Contractor shall include a work area plan showing the proposed activity in each portion of the area and identifying the areas of limited use or nonuse. The plan shall include measures for marking the limits of use areas.

1.4.1.11 Plan of Borrow Area(s)

The Contractor shall include a plan of borrow area(s) for the job site.

1.4.1.12 Method of Marking Clearing Limits

The Contractor shall include the method of marking and maintaining markings for limits of clearing.

1.4.1.13 Method of Controlling Equipment

The Contractor shall include a plan of the method for controlling equipment maneuvering to avoid environmental damage.

1.4.1.14 Training of Contractor's Personnel

The Contractor shall include a plan for training and control of his personnel for environmental damage.

1.4.1.15 Prevention and Control of Spillage

The Contractor shall include a plan for prevention and control of damaging spillages.

1.4.1.16 Layout of Work Areas and Other Areas

The Contractor shall include a plan of his method for layout of work areas, plant sites, haul roads, and borrow and waste areas.

1.4.1.17 Method and Location of Waste and Debris Disposal

The Contractor shall include the location for disposal of waste and debris.

1.4.1.18 Preplanning

Meetings of the Contractor with Contracting Officer or his authorized representative as specified in the paragraph MEETINGS, for the purpose of preplanning prevention of environmental damage.

1.4.1.19 Proposed Schedule for Training of Contractor Personnel

The Contractor shall include a schedule of proposed meetings to be attended by all Contractor personnel for the purpose of training for environmental protection with a Contracting Officer's representative present at appropriate intervals. Sufficient length of time to accomplish the purpose shall be included.

1.4.1.20 Method of Training

The Contractor shall include a proposed method of training all new employees in environmental protection before they commence working project.

1.4.1.21 Material Storage

Contractor shall provide a list sorting and identifying by chemical compatibility those materials to be used for the project. This information will be included in the EPP (Environmental Protection Plan) and will be updated periodically to insure all materials are included. It will be used to insure that incompatible chemicals are not stored together.

1.4.1.22 Material Safety Data Sheets (MSDS)

MSDS forms shall be on file prior to use of listed chemicals.

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**NOTE: DELETE THE FOLLOWING PARAGRAPH IF A STORM WATER POLLUTION PREVENTION PLAN (PPP) IS NOT REQUIRED. A PPP IS REQUIRED IF THE CONSTRUCTION WILL DISTURB AN AREA OR 1 ACRE OR GREATER EXCEPT AT TINKER AFB WHERE A PPP IS REQUIRED FOR ALL PROJECTS. A PPP IS NOT NORMALLY REQUIRED FOR ROADWAY RESURFACING. DELETE BRACKETED TEXT REFERRING TO OK FOR PROJECTS IN TEXAS. INCLUDE TEXT IN 2ND SET OF BRACKETS FOR TINKER AFB.**

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1.5 STORM WATER POLLUTION PREVENTION PLANS (SWF<sub>3</sub>)

The Contractor shall prepare a Storm Water Pollution Prevention Plan (SWP<sub>3</sub>) for the construction activity. [The Contractor is required to comply with the requirements outlined in the Oklahoma Department of Environmental Quality (ODEQ) General Permit for Storm Water Discharges from Construction Activities.] Adequate Best Management Practices (BMPs) and appropriate control measures shall be included in the SWPPP to prevent construction dirt, chemicals, and/or debris from becoming a pollutant source to storm water discharges and to retain sediment on site. Such measures include but are not limited to silt fences, hay bails, earth dikes, sediment traps, storm drain inlet protection and temporary/permanent sediment basins.

[Stabilization practices shall also be included in the SWPPP and implemented to preserve existing vegetation and to stabilize those portions of the construction site that were disturbed.]

This plan shall be in accordance with **EPAPUB** NPDES General Permits for Storm Water Discharges from Construction Sites. [The plan shall be in accordance with ODEQ General Permit for Construction, General Permit OKR10 for Storm Water Discharge from Construction Activities within the State of Oklahoma.] The plan shall identify potential sources of pollution resulting from storm water discharge from the project site(s) and present methods for reducing or eliminating such discharge.

The Contracting Officer and the Contractor shall review the SWP<sub>3</sub> to determine the accuracy of the plan. The SWP<sub>3</sub> may be modified to insure that all current measures to prevent offsite migration of pollutants, including soils, are included in the plan. Contractor shall be required to amend the SWPPP when there is a change in the project design, operation, or maintenance and when BMPs/control measures are ineffective in minimizing pollution.

No work that would disturb the natural vegetation shall be performed prior to the submission and approval of the PPP and receipt of the permit requested by the Notice of Intent.

#### 1.5.1 Contents of the SWP<sub>3</sub>

The SWP<sub>3</sub> shall include as a minimum:

(a) A narrative description of potential pollution sources for each construction site through a description of the nature of the construction activity;

(b) The intended phasing of construction activities related to soil disturbance and the storm water control measure proposed for that activity. For each storm water control measure proposed, the SWP<sub>3</sub> shall indicate when the measure will be implemented. Perimeter controls shall be actively maintained until final stabilization of that portion of the site upward of the perimeter control is established;

(c) Estimates of total acreage to be disturbed, estimates of the runoff coefficient of the site once construction is completed, and any existing soils data or discharge quality data;

(d) Site mapping detailing drainage patterns, slopes, major activities, location of structural controls such as hay bale barriers and the location of point sources;

(e) Storm water management controls appropriate for the project, including perimeter controls, and stabilization practices to be employed such as temporary grading to control runoff velocities, temporary seeding and mulching and permanent seeding and planting. For a common drainage location that serves an area of 1 or more disturbed acres at one time, a sediment basin providing 3,600 cubic feet of storage per acre drained shall be provided. Equivalent control measures may be taken where attainable and after approval by the Contracting Officer;

(f) A description of maintenance procedures to be employed to minimize the offsite discharge of pollutants, and an inspection program to insure that the SWP<sub>3</sub> is effective, or if not, to insure that necessary changes to the plan are made and implemented in a timely manner;

(g) Identification for each storm water management measure set forth in the plan, the Contractor and/or subcontractor(s) that will implement such measure. Contractor and subcontractors identified in the SWP<sub>3</sub> shall sign a certification that they have reviewed the general permit as listed in the paragraph STORM WATER POLLUTION PREVENTION PLANS and understand the terms and conditions therein.

All such certifications shall be included in the SWP<sub>3</sub>, which is to be kept on the job side for inspection by EPA or state or local regulatory agencies;

(h) Plan for control of offsite vehicle tracking of soils. Contractor shall make every effort to keep soils onsite. This may be accomplished by including paved or graveled entrances, graveled and dedicated roadways, or vehicle wash stations.

(i) The plan shall include any locations where stockpiled material is designated to be placed.

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**NOTE: Use the following for Tinker AFB.**

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(j) Prepare completed form to terminate coverage under Base permit for Storm Water Discharges from Construction Activities in accordance with Notice of Termination requirements in paragraph entitled SUBMITTALS in this section.

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**NOTE: DELETE THE FOLLOWING IF A WASTE MANAGEMENT PLAN IS NOT REQUIRED. A WASTE MANAGEMENT PLAN WILL BE REQUIRED FOR ANY PROJECTS THAT INVOLVE HTRW.**

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#### 1.6 WASTE MANAGEMENT PLAN

The Contractor shall prepare a Waste Management Plan for the Government's approval. The plan shall be submitted at least 30 days prior to generation of any materials planned for disposal. The plan shall include the following information:

a. Waste Streams and Anticipated Quantities to be Generated: The waste streams shall be estimated, described and tentatively classified into the broad waste types anticipated, such as: hazardous waste (with an EPA waste code); solid waste; medical waste; radioactive waste; mixed hazardous/radioactive waste or other special state waste. The rationale for the assignment of each specific waste type to these broad waste categories shall be provided.

b. Waste Segregation and Temporary Storage: The procedures to be used to segregate wastes of different specific waste types shall be discussed. The temporary storage or staging of these materials shall be discussed and the applicable regulations regarding quantity or time limitations for storage of these materials, spill prevention and control, inspection procedures, container requirements or other required actions shall be referenced. The procedures to be used to insure compliance with these regulations shall be discussed.

c. Treatment, Storage, or Disposal Facilities Name and ID Number for the Anticipated Types of Waste: The type and concentration limits of waste the facility is licensed and permitted to accept shall be included. Copies of the portions of the facility permit authorizing the receipt of the specific waste types anticipated under this contract shall be provided.

d. Analytical/Physical testing required to dispose waste above and beyond that required in other sections of these specifications.

e. Transporters Name and ID Number proposed for use in transporting each specific waste type.

f. Waste container marking and labelling, transport vehicle placarding requirements for each specific waste type.

g. Paperwork Requirements for Disposal of Wastes: For hazardous wastes, the Contractor shall prepare the manifest; the Contracting Officer, Contracting Officer's Representative, or installation representative shall sign the manifest as the generator and shall supply the Generator ID number. Recordkeeping and reporting shall be in accordance with 40 CFR 262 Subpart D - Recordkeeping and Reporting. The generator and the Contracting Officer (if different individuals) shall be provided a copy of the manifest after accepted for transport by the transporter. The generator and the Contracting Officer shall also be provided a fully executed copy of the manifest after the waste has been received at the designated disposal or treatment facility. For non-hazardous wastes, the Contracting Officer shall be provided signed documentation from the disposal facility that the quantity and type of waste disposed from the project was accepted at the designated disposal facility.

1.7 MEETINGS

The Contractor shall meet with representatives of the Contracting Officer to develop mutual understanding relative to compliance with this section of the specifications and administration of the environment protection program. The Contractor shall be prepared to discuss the program in conferences convened by the Contracting Officer before starting work on each major phase of operation. Approval of the Contractor's plan for environmental protection will not relieve the Contractor of his responsibility for adequate and continuing control of pollutants and protection of environmental features. All Contractor personnel shall be required to attend.

1.8 SUBCONTRACTORS

Assurance of compliance with this section by subcontractors will be the responsibility of the Contractor.

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**NOTE: DELETE THE FOLLOWING PARAGRAPH IF NO  
PERMITS ARE OBTAINED BY THE CORPS OF ENGINEERS**  
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1.9 PERMITS OBTAINED BY CORPS OF ENGINEERS

The Contractor shall comply with all requirements under the terms and conditions set out in the following permit(s), which will be obtained by the Corps of Engineers.

1.10 REGULATORY REQUIREMENTS

The Contractor shall comply with all federal, state, and local regulatory and statutory requirements.

PART 2 PRODUCTS (NOT APPLICABLE)

PART 3 EXECUTION

3.1 PROTECTION OF ENVIRONMENTAL RESOURCES

The environmental resources within the project boundaries and those affected outside the limits of permanent work under this contract shall be protected during the entire period of this contract. The Contractor shall confine his activities to areas defined by the contract drawings or specifications. Environmental protection shall be as stated in the following subparagraphs.

3.1.1 Protection of Land Resources

Prior to the beginning of any construction, the Contracting Officer will identify all land resources to be preserved within the Contractor's work area. The Contractor shall not remove, cut, deface, injure, or destroy land resources including trees, shrubs, vines, grasses, topsoil, and land forms without special permission from the Contracting Officer. No ropes, cables, or guys shall be fastened to or attached to any trees for anchorage unless specifically authorized. Where such special emergency use is permitted, the Contractor shall provide effective protection for land and vegetation resources at all times as defined in the following subparagraphs.

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**NOTE: USE THE FOLLOWING SUBPARAGRAPH FOR WORK AT  
TINKER AFB. DELETE ONLY THE FOLLOWING  
SUBPARAGRAPH FOR ALL OTHER LOCATIONS. (TAFB  
SECTION 00700, 5/02)**

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The Contractor shall make every effort to preserve land resources within the project boundaries and outside the limits of permanent work performed under this contract in their present condition or they shall be restored to a condition, after completion of construction, that shall appear to be natural and not detract from the appearance of the project. The Contractor shall confine his construction activities to areas defined by the plans and specifications, to areas to be cleared for other operations, or to quarry, borrow or waste areas indicated on plans. At the onset of borrow excavation, topsoil shall be saved for use in restoring the borrow area. Waste and borrow areas shall be leveled or trimmed to regular lines and shaped to provide a neat

appearance. In all instances, the restored area shall be well drained, to prevent the accumulation of stagnant water. Except in areas marked on the plans to be cleared, the Contractor shall not deface, injure, or destroy trees or shrubs, nor remove or cut them without approval of the Contracting Officer.

3.1.1.1 Work Area Limits

Prior to any construction, the Contractor shall mark the areas where no work is to be performed under this contract. Isolated areas within the general work area which are to be saved and protected shall also be marked or fenced. Monuments and markers shall be protected before construction operations commence and during all construction operations. Where construction operations are to be conducted during darkness, the markers shall be visible during darkness. The Contractor shall convey to his personnel the purpose of marking and/or protection of all necessary objects.

3.1.1.2 Protection of Landscape

Trees, shrubs, vines, grasses, land forms and other landscape features to be preserved, indicated and defined on the drawings submitted by the Contractor as a part of the Environmental Protection Plan, shall be clearly identified by marking, fencing, or wrapping with boards, or any other approved techniques.

3.1.1.3 Reduction of Exposure of Unprotected Erodible Soils

Earthwork brought to final grade shall be finished as indicated and specified. Side slopes and back slopes shall be protected as soon as practicable upon completion of rough grading. All earthwork shall be planned and conducted to minimize the duration of exposure of unprotected soils. Except in instances where the constructed feature obscures borrow areas, quarries and waste material areas, these areas shall not initially be cleared in total. Clearing of such areas shall progress in reasonably sized increments as needed to use the areas developed as approved by the Contracting Officer.

3.1.1.4 Temporary Protection of Disturbed Areas

Such methods as necessary shall be utilized to effectively prevent erosion and control sedimentation, including but not limited to the following:

a. Retardation and Control of Runoff

Runoff from the construction site shall be controlled by construction of diversion ditches, benches, and berms to retard and divert runoff to protected drainage courses, and the Contractor shall also utilize any measures required by area-wide plans approved under Paragraph 208 of the Clean Water Act.

b. Sediment Basins

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**NOTE: The design year storm is determined by the**

downstream environment to be protected. An estimate of damage to the downstream environment versus the design year storm that will cause this level of damage should be made and the appropriate protection implemented. In the event permanent sediment basins are necessary for the particular project, these permanent facilities shall be included in the project design and the contract documents; if permanent basins are not required, delete reference thereto.

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Sediment from construction areas shall be trapped in temporary or permanent sediment basins in accordance with basin plans shown on the contract drawings [and in accordance with the paragraph: STORM WATER POLLUTION PREVENTION PLANS.]. The Contractor shall institute effluent quality monitoring programs as required by state and local environmental agencies.

3.1.1.5 Erosion and Sedimentation Control Devices.

The Contractor shall construct or install all temporary and permanent erosion sedimentation control features as indicated on the contract drawings. Temporary erosion and sediment control measures such as berms, dikes, drains, sedimentation basins, grassing and mulching shall be maintained until permanent drainage and erosion control facilities are completed and operative.

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**NOTE: Delete the following paragraph if a  
Pollution Prevention Plan is not required.**

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3.1.1.6 Stabilization of Disturbed Soils

Stabilization measures of areas involved in the SWP<sub>3</sub> shall be initiated on disturbed areas as soon as practicable, but no more than 14 days after the construction activity on a particular portion of the site has temporarily or permanently ceased except as follows:

(a) where construction activities will resume on a portion of the site within 21 days from the time when construction activities temporarily ceased;

(b) where the initiation of the stabilization measure is precluded by snow cover in which case stabilization measures shall be initiated as soon thereafter as practicable.

3.1.1.7 Inspections

Weekly inspections of construction sites shall be conducted by the Contractor to insure that the various controls and components of the various plans required by this section are in place. In addition, the Contractor shall make an inspection within 24 hours following a 1/2 inch

or greater rainfall event to insure that the controls are working adequately and have not been impacted by the rainfall event.

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**NOTE: Use the following subpara. only for projects on Tinker AFB.**

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The Contractor shall annotate these inspections in a report to be kept on site or at an easily accessible location. The report shall summarize the scope of the inspection, person performing the inspection, the date and time, and the major observances relating to the effectiveness of the Storm Water Pollution Prevention Plan. Any instances of non-compliance shall be corrected within 7 days of the inspection.

3.1.1.8 Location of Contractor Facilities

The Contractor's field offices, staging areas, stockpiles, storage, and temporary buildings shall be placed in areas designated on the contract drawings and approved by the Contracting Officer. Temporary movement or relocation of Contractor facilities shall be made only on approval by the Contracting Officer.

3.1.1.9 Borrow Areas on Government Property

Borrow areas on government property shall be managed to minimize erosion and to prevent sediment from entering nearby water courses or lakes.

3.1.1.10 Disposal Areas on Government Property

Disposal areas on Government property shall be managed and controlled to limit material to areas designated on the contract drawings and prevent erosion of soil or sediment from entering nearby water courses or lakes. Disposal areas shall be developed in accordance with the grading plan indicated on the contract drawings.

3.1.1.11 Temporary Excavation and Embankments

Temporary excavation and embankments shall be controlled to protect adjacent areas from contamination.

3.1.1.12 Disposal of Solid Wastes

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**NOTE: Use Alternate 1 if a Waste Management Plan (HTRW Solicitations) is required. Use Alternate 2 if no Waste Management Plan is required and select appropriate disposal alternative.**

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**ALTERNATE 1. USE IF WASTE MANAGEMENT PLAN IS REQUIRED.**

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All waste shall be disposed of in accordance with the approved Waste Management Plan.

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**ALTERNATE 2. USE IF NO WASTE MANAGEMENT PLAN IS REQUIRED.**

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Solid wastes (excluding clearing debris) shall be placed in containers which are emptied on a regular schedule. All handling and disposal shall be conducted to prevent contamination. [The Contractor shall transport all solid waste off Government property and dispose of it in compliance with Federal, State, and local requirements for solid waste disposal.] [Waste materials shall be hauled to the Government landfill site shown on the contract drawings. The Contractor shall comply with State and local regulations pertaining to the use of landfill areas.]

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**USE THE FOLLOWING PARAGRAPH FOR ALL JOBS ON TINKER AFB. (TAFB SECTION 00700, 5/02 & Dan Johnson,COAO)**

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**3.1.1.3 Waste Containers**

All job site waste containers or compactor used by the Contractor, regardless of size, shall be clearly marked with approved reflective tape or paint. Reflective tape or paint shall be on all corners or waste containers or compactors prior to being placed in roadways. Tape or paint shall be at least 1 1/2 inches wide and 12 inches on each side ( 24 inches total length each corner; 8 feet each container or compactor). Tape/paint shall be affixed midway on the container. The Contractor shall return all movable containers, as determined by the Contracting Officer, within the job site storage area at the end of each work shift.

**3.1.1.13 Disposal of Chemical Wastes**

Chemical wastes shall be stored in corrosion resistant containers, removed from the work area and disposed of in accordance with Federal, State, and local regulations.

**3.1.1.14 Disposal of Discarded Materials**

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**NOTE: USE ALTERNATE 1 FOR MOST JOBS. USE ALTERNATE 2 FOR WORK AT TINKER AFB. (TAFB SECTION 00700, 5/02)**

**ALTERNATE 1**

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Discarded materials other than those which can be included in the solid waste category shall be handled as directed by the Contracting Officer.

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**ALTERNATE 2**

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Unless otherwise specified in other specifications sections or unless reusable under the terms of this contract, all removed or discarded material shall be disposed of off-Base. Disposal shall be in accordance with all applicable Federal, state, and local laws and regulations.

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**USE THE FOLLOWING ADDITIONAL PARAGRAPH FOR FT. SILL PROJECTS ONLY**

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3.1.1.15 Disposal of Materials at Ft. Sill

Disposal of trash, garbage, or domestic waste shall be in the Ft. Sill Post Sanitary Landfill. Demolition rubble shall be disposed of in the Ft. Sill rubble pit. Disposal of metals shall be the responsibility of the Contractor off Government Property. Disposal of Contractor produced POL products, chemicals, or other hazardous or toxic compounds shall be in accordance with Ft. Sill Regulation USAFACFS Regulation 200-2. The Contracting Officer shall be advised of the type of Contractor produced POL products, chemicals, or other hazardous or toxic compounds and the amount of these products. The Contracting Officer will determine the methods of disposal of these products and such actions may require EPA or State permits.

3.2 HISTORICAL, ARCHAEOLOGICAL AND CULTURAL RESOURCES

Existing historical, archaeological and cultural resources within the Contractor's work area will be so designated by the Contracting Officer and precautions shall be taken by the Contractor to preserve all such resources as they existed at the time they were pointed out to the Contractor. The Contractor shall install all protective devices such as off-limit markings, fencing, barricades, or other devices deemed necessary by the Contracting Officer for these resources so designated on the contract drawings and shall be responsible for their preservation during this contract. If during construction items of apparent archaeological or historical interest are discovered, they shall be left undisturbed and the Contractor shall report the find immediately to the Contracting Officer.

3.3 PROTECTION OF WATER RESOURCES

\*\*\*\*\*

**NOTE: Use Alternate 1 for most contracts except work on Tinker AFB. Use Alternate 2 for work on**

Tinker AFB. (TAFB SECTION 00700, 5/02) Specify additional operations unique to this contract after paragraph below entitled "MONITORING OF WATER AREAS AFFECTED BY CONSTRUCTION ACTIVITIES".

Alternate 1

\*\*\*\*\*

The Contractor shall keep construction activities under surveillance, management and control to avoid pollution of surface and ground waters. Special management techniques as set out below shall be implemented to control water pollution by the listed construction activities which are included in this contract.

\*\*\*\*\*

Alternate 2

\*\*\*\*\*

The Contractor shall keep construction activities under surveillance, management and control to avoid pollution of surface and ground waters. The Contractor shall not pollute streams, lakes, or reservoirs with fuels, oils, bitumens, calcium chloride, chlorinated potable water, acids, or harmful materials. It is the responsibility of the Contractor to investigate and comply with all applicable local, state, and Federal laws and regulations concerning pollution of rivers and streams. All work under this contract shall be performed in such a manner that objectionable conditions shall not be created in streams through or adjacent to the project areas.

3.3.1 Washing and Curing Water

\*\*\*\*\*

**NOTE: Insert name(s) of process producing the wastewater. Use information in brackets for work at Tinker AFB.**

\*\*\*\*\*

Waste waters directly derived from [\_\_\_\_\_], [\_\_\_\_\_], and [\_\_\_\_\_] construction activities shall not be allowed to enter water areas. These waste waters shall be collected and placed in retention ponds where the suspended materials can be settled out or the water evaporated in order to separate the pollutants from the water. [Wash waters and wastes, including chlorinated potable water, shall be processed, filtered, ponded or treated by the Contractor and disposed of off Base at no additional expense to the Government.]

3.3.2 Cofferdam and Diversion Operations

\*\*\*\*\*

**NOTE: Insert name(s) of Water Areas.**

\*\*\*\*\*

The Contractor shall plan his operations and perform all work necessary to minimize adverse impact or violation of the water quality standard for [\_\_\_\_], [\_\_\_\_]. Construction operations for dewatering, removal of cofferdams, tailrace excavation, and tunnel closure shall be controlled at all times to limit impact of water turbidity on the habitat for wildlife and impacts on water quality for downstream use.

3.3.3 Stream Crossings

Stream crossings shall be controlled during construction. Crossings shall provide movement of materials or equipment which do not violate water pollution control standards of the Federal, State or local government.

3.3.4 Monitoring of Water Areas Affected by Construction Activities

Monitoring of water areas affected by construction activities shall be the responsibility of the Contractor. All water areas affected by construction activities shall be monitored by the Contractor.

3.4 PROTECTION OF FISH AND WILDLIFE RESOURCES

\*\*\*\*\*

**NOTE: USE ALTERNATE 1 FOR MOST WORK EXCEPT ON  
TINKER AFB. USE ALTERNATE 2 FOR WORK ON TINKER  
AFB. (TAFB SECTION 00700, 5/02)**

**ALTERNATE 1**

\*\*\*\*\*

The Contractor shall keep construction activities under surveillance, management and control to minimize interference with, disturbance to and damage of fish and wildlife. Species that require specific attention along with measures for their protection shall be listed by the Contractor prior to beginning of construction operations.

\*\*\*\*\*

**ALTERNATE 2**

\*\*\*\*\*

The Contractor shall at all times perform all work and take such steps required to prevent any interference or disturbance to fish and wildlife. The Contractor shall not alter water flow or otherwise disturb native habitat adjacent to the project area that are critical to fish or wildlife. Fouling or polluting of water shall not be permitted. If disturbing the native habitat is essential to project completion, the Contractor shall request permission, in writing, from the Contracting Officer. Species that require specific attention along with measures for their protection shall be listed by the Contractor prior to beginning of construction operations.

3.5 PROTECTION OF AIR RESOURCES

\*\*\*\*\*  
**NOTE: Insert name of state and title of state air  
pollution statute, rule or regulation, if known.**  
\*\*\*\*\*

The Contractor shall keep construction activities under surveillance, management and control to minimize pollution of air resources. All activities, equipment, processes, and work operated or performed by the Contractor in accomplishing the specified construction shall be in strict accordance with all Federal and State of [\_\_\_\_\_] emission and performance laws and standards. Special management techniques as set out below shall be implemented to control air pollution by the construction activities which are included in the contract.

3.5.1 Particulates

\*\*\*\*\*  
**USE ALTERNATE 1 FOR ALL JOBS EXCEPT JOBS AT  
TINKER. USE ALTERNATE 2 FOR WORK AT TINKER AFB.  
(TAFB SECTION 00700, 5/02)**  
**ALTERNATE 1**  
\*\*\*\*\*

Dust particles, aerosols, and gaseous by-products from all construction activities, processing and preparation of materials, such as from asphaltic batch plants, shall be controlled at all times, including weekends, holidays and hours when work is not in progress. The Contractor shall maintain all excavations, stockpiles, haul roads, permanent and temporary access roads, plant sites, spoil areas, borrow areas, and all other work areas within or outside the project boundaries free from particulates which would cause the air pollution standards mentioned in the paragraph "PROTECTION OF AIR RESOURCES" to be exceeded or which would cause a hazard or a nuisance. Sprinkling, chemical treatment of an approved type, light bituminous treatment, baghouse, scrubbers, electrostatic precipitators or other methods will be permitted to control particulates in the work area. Sprinkling, to be efficient, must be repeated at such intervals as to keep the disturbed area damp at all times. The Contractor must have sufficient competent equipment available to accomplish this task. Particulate control shall be performed as the work proceeds and whenever a particulate nuisance or hazard occurs.

\*\*\*\*\*  
**ALTERNATE 2**  
\*\*\*\*\*

The Contractor shall maintain all excavations, embankments, stockpiles, haul roads, permanent access roads, plant sites, waste areas, borrow

areas, and all other work areas within or outside the project boundaries free from dust which would cause a hazard or nuisance to others. Approved temporary methods of stabilization consisting of sprinkling, chemical treatment of an approved type, light bituminous treatment or similar methods shall be permitted to control dust. Sprinkling, to be approved, shall be repeated at such intervals to keep all parts of the disturbed area at least damp at all times; the Contractor shall have sufficient competent equipment on the job to accomplish this task. Dust control shall be performed as the work proceeds and whenever a dust nuisance or hazard occurs. A dust nuisance shall be defined as a concentration of nuisance insoluble particulates of less than 10 milligrams per cubic meter (mg/m3). A dust hazard shall be defined as a concentration of any dust that exceeds its Permissible Exposure Limit (PEL) as listed in 29 CFR 1919.1000 or its Threshold Limit Value-Time Weighted Average (TLV-TWA), Short Term Exposure Limit (TLV-STEL), or Ceiling Value (TLV-C) as listed in "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices" published by the American Conference of Governmental Industrial Hygienists, Cincinnati, OH.

### 3.5.2 Hydrocarbons and Carbon Monoxide

Hydrocarbons and carbon monoxide emissions from equipment shall be controlled to Federal and State allowable limits at all times.

### 3.5.3 Odors

Odors shall be controlled at all times for all construction activities, processing and preparation of materials.

### 3.5.4 Monitoring Air Quality

Monitoring of air quality shall be the responsibility of the Contractor. All air areas affected by the construction activities shall be monitored by the Contractor.

\*\*\*\*\*  
**USE THE FOLLOWING PARAGRAPH FOR WORK AT TINKER AFB  
THAT COULD INVOLVE SPRAY PAINTING. (TAFB SECTION  
00700, 5/02)**

### 3.6 SPRAY FINISHING

\*\*\*\*\*

Spray finishing operations (painting) shall be used only with the written approval of the Contracting Officer of a comprehensive plan before spraying will be permitted. The Contractor shall submit a plan, a list of resultant cost savings, and a list of procedures, which indicates methods of isolating the contract areas from other areas of the building. The plan shall provide for air filtration, isolation of work area and complete work safety methods as outlined in applicable regulations and specifications. Adherence to applicable regulations is mandatory for continued operations of spraying. Applicable regulations include, but are not limited to:

29 CFR 1910.94, Ventilation

29 CFR 1910.107, Spray Finishing Using Flammable and Combustible Materials.

When spray painting is performed in occupied areas, all personnel with the exception of the painters and their helpers shall be removed. The area shall be physically isolated from the occupied areas by the use of plastic or other vapor-proof barrier. Isolation barrier shall remain in place until the paint has cured and dried and is no longer emitting air contaminant. Local exhaust ventilation shall be utilized in the isolated area to remove air contaminants to they do not build to an explosive level or exceed the capacity of the respirator being worn. Local exhaust ventilation shall not be directly vented to the outdoors unless a permit has already been obtained from the Oklahoma City/County Health Department for air contaminants prior to discharge to the environment.

\*\*\*\*\*

USE THE FOLLOWING PARAGRAPHS FOR WORK AT TINKER AFB. DELETE ONLY IF PROJECT IS NEW CONSTRUCTION ON ENVIRONMENTALLY CLEAN SITE OR IF IT IS KNOWN ABSOLUTELY THERE IS NO ASBESTOS, LEAD-BASED PAINT, OR PCB-FILLED BALLAST AND UNIVERSAL WASTE LAMPS TO ABATE. (TAFB SECTION 00700, 5/02)

\*\*\*\*\*

3.7 ASBESTOS ABATEMENT FOR TINKER AFB

Contracts that include asbestos abatement requirements shall adhere to the requirements contained in "Tinker Air Force Base Asbestos Abatement Specification" attached at the end of this section.

3.8 LEAD-BASED PAINT ABATEMENT FOR TINKER AFB

Contracts that include lead-based paint abatement requirements shall adhere to the requirements contained in "Tinker Air Force Base Lead-Based Paint Abatement Specification" attached at the end of this section.

3.9 PCB-FILLED BALLAST AND UNIVERSAL WASTE LAMP ABATEMENT FOR TINKER AFB

Contracts that include PCB-filled ballast and universal waste lamp abatement requirements shall adhere to the requirement contained in "Tinker Air Force Base PCB Filled Ballast and Universal Waste Lamp Abatement Specification" attached at the end of this section.

\*\*\*\*\*

USE THE FOLLOWING FOR ALL JOBS.

\*\*\*\*\*

3.10 TESTS

The Contractor shall establish and maintain quality control for

environmental protection operations to assure compliance with contract requirements and maintain records of his quality control for all construction operations, including, but not limited to the following items. The Contractor shall record on daily reports any problems in complying with laws, regulations and ordinances and corrective action taken. Three copies of these records and tests, as well as the records of corrective action taken, shall be furnished the Government as directed by the Contracting Officer.

3.10.1 Laws, Regulations and Ordinances

The Contractor must comply with all Federal, State, and local laws, regulations and ordinances concerning pollution control.

3.10.2 Protection of Land Resources

The Contractor shall prevent landscape defacement and provide post-construction clean-up.

3.10.3 Protection of Water Resources

The Contractor shall prevent the contamination of lakes, ditches, or other bodies of water with harmful chemicals; the Contractor shall dispose of waste materials; and the Contractor shall provide erosion control.

3.10.4 Pollution Control Facilities

\*\*\*\*\*  
USE ALTERNATE 1 FOR ALL JOBS EXCEPT THOSE AT  
TINKER AFB. USE ALTERNATE 2 FOR JOBS AT TINKER.  
(TAFB SECTION 00700, 5/02)

**ALTERNATE 1**

\*\*\*\*\*

The Contractor shall provide for the maintenance of pollution control facilities. The Contractor shall conduct a training course on the maintenance of pollution control facilities.

\*\*\*\*\*  
**ALTERNATE 2**

\*\*\*\*\*

During the life of this contract, the Contractor shall maintain all facilities constructed for pollution control under this contract as long as the operations creating the particular pollutant are being carried out or until the material concerned becomes stabilized to the extent that pollution is no longer being created. During the construction period, the Contractor shall conduct and document frequent training courses for his/her maintenance personnel. Training shall include methods of detection of pollution, familiarity with pollution standards, and installation and care of vegetation covers, plants and other facilities to prevent and correct environmental pollution.

\*\*\*\*\*  
USE THE FOLLOWING PARA. FOR JOBS ON TINKER AFB.  
(TAFB SECTION 00700, 5/02)

\*\*\*\*\*  
3.11 PESTICIDES (INSECTICIDES, FUNGICIDES, HERBICIDES)

Application of all pesticides shall be accomplished by a certified pest control operator. Delivery and storage of pesticides shall be monitored by certified personnel to insure the adequacy of containers and the safe storage of toxic materials. Disposal of containers and chemicals off-Base shall be accomplished in accordance with all Federal, state, and local laws and regulations and shall not pollute natural drainage systems.

3.12 INSPECTION

The Contracting Officer will notify the Contractor in writing of any observed noncompliance with any of the Contractor's required plans. The Contractor shall, after receipt of such notice, inform the Contracting Officer of proposed corrective action and take such action as may be approved. If the Contractor fails to comply promptly, the Contracting Officer may issue an order stopping all or part of the work until satisfactory corrective action has been taken. No time extensions will be granted or costs or damages allowed to the Contractor for any such suspension.

3.13 POST CONSTRUCTION CLEANUP

The Contractor shall clean up all area(s) used for construction.

3.14 RESTORATION OF LANDSCAPE DAMAGE

\*\*\*\*\*  
NOTE: USE ALTERNATE 1 FOR MOST PROJECTS EXCEPT  
WORK ON TINKER AFB. USE ALTERNATE 2 FOR WORK ON  
TINKER AFB, OK. (TAFB SECTION 00700, 5/02)

**ALTERNATE 1**

\*\*\*\*\*  
The Contractor shall restore all landscape features damaged or destroyed during construction operations outside the limits of the approved work areas. Such restoration shall be in accordance with the plans submitted for approval by the Contracting Officer.

\*\*\*\*\*  
**ALTERNATE 2 FOR WORK ON TINKER AFB**

\*\*\*\*\*  
The Contractor shall restore all landscape features damaged or destroyed during construction operations outside the limits of the approved work areas. Such restoration shall be in accordance with the plans submitted

for approval by the Contracting Officer.

Any trees, shrubs, grass areas, flower gardens, etc., scarred or damaged by the Contractor's equipment or operations shall be restored to the original condition at the Contractor's expense. The Contractor shall submit a restoration plan showing how the damaged areas(s) will be returned to their original condition to the Contracting Officer for approval. The Contractor shall be responsible for all erosion control required until the areas is accepted by the Contracting Officer. Grass which grows in the winter months may be used to stabilize the area, but the Contractor shall be responsible to have grass in place for the summer that is the same as the surrounding area. The Contracting Officer will determine whether damaged trees shall be removed and replaced or treated and healed.

\*\*\*\*\*  
**NOTE: USE THE FOLLOWING SUBPARAGRAPHS FOR WORK ON  
TINKER AFB, OK. (TAFB SECTION 00700, 5/02)**  
\*\*\*\*\*

3.14.1 Damage Report

The Contractor shall furnish a report to the Contracting Officer identifying the date, location, type of facility, and cost to repair the damage. The report shall become a part of the permanent record of the construction contract.

3.14.2 Inspection of Utility Taken Out of Service

The Contractor may request the Contracting Officer or his representative to confirm in his presence with the appropriate utility supervisor (electricity, gas, compressed air, water, etc.) that the utility has been taken out of service (locked out/tagged out) and is safe to work on.

3.14.3 Restoration Requirements for Pavements, Etc.

All pavement, surfacing, driveways, curbs, walks, buildings, utility poles, guy wires, surface structures, or other Government property affected, damaged, or destroyed directly or indirectly by construction operations in connection with performance of this contract shall be restored to its original condition, as determined and approved by the Contracting Officer. All replacements of surface structures or parts thereof shall be made with new materials conforming to the requirements of the specifications or as approved by the Contracting Officer. Such replacements or repairs shall be made without additional cost to the Government.

3.15 MAINTENANCE OF POLLUTION FACILITIES

The Contractor shall maintain all constructed facilities and temporary pollution control devices for the duration of the contract or for that length of time construction activities create the particular pollutant.

3.16 TRAINING OF CONTRACTOR PERSONNEL IN POLLUTION CONTROL

The Contractor shall train his personnel in all phases of environmental protection. The training shall include methods of detecting and avoiding pollution, familiarization with pollution standards, both statutory and contractual, and installation and care of facilities (vegetative covers and instruments required for monitoring purposes) to insure adequate and continuous environmental pollution control.

\*\*\*\*\*  
**USE THE FOLLOWING PARAGRAPH FOR ALL JOBS.**

\*\*\*\*\*  
3.17 RECORD KEEPING

During construction, all records shall be retained onsite. Inspection reports and modifications of the plans required shall be retained for 3 years following construction.

\*\*\*\*\*  
**NOTE: Use the following paragraph for all Altus projects. Per Ltr from Altus.**

\*\*\*\*\*  
3.18 SPECIAL ENVIRONMENTAL REQUIREMENTS FOR ALTUS AFB. (DEC 94)

The following paragraphs describe Altus Air Force Base environmental requirements. Policy letters referenced below may be obtained from the Contracting Office. Reporting shall be coordinated through the Contracting Officer to Altus AFB LG/SEP (phone 580-481-7728 or 5742, Bldg. 228) or CES/CEV (phone 580-481-7605, Bldg. 396) as specified below.

3.18.1 Hazardous Material Registration

Hazardous Material (HM) brought onto Altus AFB shall be registered and shall receive a registration number from LG/SEP. Upon arrival, the registration number shall be applied to its container. After use, the quantity of material used shall be reported to LG\SEP along with the disposition of the container.

3.18.2 Drum Registration

Drums (20, 30, and 55 gallon) , including drums containing non-regulated material, spare part drums, trash drums, etc., shall receive a registration number prior to transportation onto Altus AFB. The registration number and contents shall be written on two sides of the drum with a paint marker. Registration numbers shall be obtained from LG/SEP. Contractors shall comply with Altus AFB Drum Implementation policy letter (paragraph 1, 2, 2b, 2c, 2e, and 3) dated 23 Feb 94, and Altus AFB Drum Policy letter dated 28 Jan 94, paragraph 2, with the exception that empty drums shall not be returned to the base and no new drums will be issued to Contractors. After use, disposition of drum shall be reported to LG/SEP.

3.18.3 Material Safety Data Sheets (MSDS)

MSDS shall be on file prior to use of listed chemical. Contractors shall comply with Altus AFB MSDS policy letter dated 28 Jan 94.

3.18.4 Flammable Storage Lockers

A list of flammable lockers, their contents, any additions or deletion of contents, and location shall be provided to LG/SEP. Contractors shall comply with Altus AFB Flammable Storage Locker policy letter dated 28 Jan 94.

3.18.5 Hazardous Waste Training

Contractors shall provide proof of personnel hazardous waste training to CES/CEV.

3.18.6 Hazardous Waste Reporting

All Hazardous Waste generated on Altus AFB shall be reported to CES/CEV

3.18.7 Toxic Release Inventory

Contractors shall comply with the reporting requirements for "toxic" chemicals under the Emergency Planning and Community Right to Know Act (EPCRA). Contractors shall report quarterly uses of all toxic chemicals that are estimated to exceed the yearly "minimum threshold quantities" contained in the applicable Code of Federal Regulations required under EPCRA, or 5000 pounds, whichever is less. Reports shall be provided to the Base not later than five working days after the end of each quarter.

3.18.8 Hazardous Waste Satellite Point Conexes/Lockers

If the Contractor accumulates hazardous waste, as defined by the applicable Code of Federal Regulation, a satellite accumulation point with conex/locker shall be established and CES/CEV notified for instructions and coordination. The accumulation point shall comply with Altus AFB Hazardous Waste Satellite Point Conex letter dated 28 Jan 94, except as noted in paragraph 1f.

3.18.9 Spillage and Spill Reporting

At all times, special measures shall be taken to prevent chemicals, fuels, oils, greases, bituminous materials, waste washings, herbicides and insecticides, and cement and surface drainage from entering surface or ground waters.

Spills of hazardous waste, hazardous materials, or non-regulated material such as oils, antifreeze, grease, latex paint, hydraulic fluid, etc., that contaminates either soil, surface waters, ground water, or air, shall be reported to CES/CEV immediately for reporting purposes to local, State, and/or Federal agencies and proper clean up actions. If spills occur after office hours or during weekends, the Base Fire Department, (phone 405 481-6333) shall be contacted in order that the CES/CEV standby person may be notified.

\*\*\*\*\*

**NOTE: Use the following paragraph for all**

Sheppard projects. As per Sheppard Ltr date June 30 94, from Base Civil Engineer ( Lt. MIyagawa), Subject "Contractor Requirements".

\*\*\*\*\*  
3.19 SPECIAL ENVIRONMENTAL REQUIREMENTS FOR SHEPPARD AFB. (LTR. DTD  
30 JUN 94, FRM SHEPPARD BASE CIVIL ENGR)

The following paragraphs describe Sheppard Air Force Base environmental requirements.

3.19.1 Hazardous Waste and Materials Reporting

The Contractor shall notify the Contracting Officer upon encountering existing unanticipated material on the site which could jeopardize the safety of workers. The Government will be responsible for disposition of the waste if required.

Hazardous materials or waste transported onto or within the Base shall be reported to the Base Fire Department prior to movement on Government property.

3.19.2 Spill Reporting

Upon verification of a release of any petroleum product over one gallon or any other hazardous waste or material, regardless of amount,, the contractor shall notify the Base Fire Department at 911. The Base will determine the cleanup required. Upon release of a petroleum product under one gallon and no threat of fire or explosion exists, the Contractor shall clean the contaminated area to remove all contaminants. Contamination in excess of 100 ppm of Total Petroleum Hydrocarbons shall be removed from the site. Costs of soil tests required as a result of spills shall be the Contractor's responsibility. Contaminated material shall be disposed of properly.

\*\*\*\*\*  
ADDITIONAL NOTES

NOTE A: For additional information on the use of all CWGS, see CWGS-01000 CWGS GENERAL NOTES.

NOTE B: This guide specification has been prepared for use in all Civil Works construction contracts and dredging contracts which affect the dry land surface. The guide will be used to give specific guidance for the elimination or reduction of damage to the environment during and resulting from construction operations in harmony with the letter and spirit of Public Law 91-190, The National Environmental Policy Act of 1969; The Clean Air Act, 42 U.S.C., 7401 et seq., including amendments made by The Clean Air Act Amendments of 1977, PL 95-95; The Federal Water Pollution Control Act, 33 U.S.C., 1251 et seq., including amendments made by The Clean Water Act of 1977, PL 95-217; The Resource Conservation and Recovery Act

of 1976, 42 U.S.C., 6901 et seq., and Executive Orders 11514 dated 5 March 1970, as amended by EO 11991, dated 24 May 1977, "Protection and Enhancement of Environmental Quality;" 11593, "Protection and Enhancement of the Cultural Environment, EO 11990, dated 24 May 1977, Protection of Wetlands." Many Civil Works construction contracts contain paragraphs in the technical provisions for specific operations which provide for prevention of pollution. Since the individual sections of the technical provisions are prepared by specialists familiar with problems in their field of activity, the sections should continue to contain specifications for control of pollution when applicable to the operation covered by the section. However, added emphasis will be given to protection of the environment as a major responsibility of the Contractor by including in the technical provisions a separate section devoted exclusively to this subject.

NOTE C: Every effort will be made to eliminate duplication of coverage of items by this section which are covered for another reason in some special provisions. An example of possible duplication is the haul road plan under earth fill provisions and the traffic control plan in this section. The traffic control plan in this section is intended to limit all vehicles to the roads designated for the contractor's use. This plan is intended to aid air pollution control by keeping all vehicles on roads treated to control dust.

NOTE D: These instructions are for information only and will not be included in drafts or specifications submitted for approval.

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-- End of Section --