

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE N/A	PAGE OF PAGES 1 14
2. AMENDMENT/MODIFICATION NO. 0006	3. EFFECTIVE DATE 31 AUG 2004	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable) 1405	
6. ISSUED BY USACE SACRAMENTO DISTRICT ATTN: CONTRACTING DIVISION 1325 J STREET SACRAMENTO, CALIFORNIA 95814-2922	CODE	7. ADMINISTERED BY (If other than Item 6) SEE ITEM 6		

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)	(√) X	9A. AMENDMENT OF SOLICITATION NO. W91238-04-B-0008
		9B. DATED (SEE ITEM 11) 27 JUL 2004
		10A. MODIFICATION OF CONTRACTS/ORDER NO. N/A
		10B. DATED (SEE ITEM 13) N/A
CODE	FACILITY CODE	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers  is extended,  is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

(√)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor  is not,  is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

**SACRAMENTO RIVER EROSION CONTROL SITE 56.7 LEFT RM 56.7 TO 57.1  
SACRAMENTO RIVER, SACRAMENTO, CALIFORNIA**

2 ENCL: 1) REVISIONS: 01500 AND 02230. 2) DRAWING SHEET G-003.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
_____ (Signature of person authorized to sign)		BY _____ (Signature of Contracting Officer)	

SECTION TABLE OF CONTENTS

DIVISION 01 - GENERAL REQUIREMENTS

SECTION 01500

TEMPORARY CONSTRUCTION FACILITIES

PART 1 GENERAL

- 1.1 SUBMITTALS
- 1.2 GENERAL REQUIREMENTS
  - 1.2.1 Site Plan and Access
  - 1.2.2 Identification of Employees
  - 1.2.3 Employee Parking
- 1.3 AVAILABILITY AND USE OF UTILITY SERVICES
  - 1.3.1 Payment for Utility Services
  - 1.3.2 Sanitation
  - 1.3.3 Telephone
- 1.4 BULLETIN BOARD, PROJECT SIGN, AND PROJECT SAFETY SIGN
  - 1.4.1 Bulletin Board
  - 1.4.2 Project and Safety Signs
- 1.5 PROTECTION AND MAINTENANCE OF TRAFFIC
  - 1.5.1 Temporary Earthwork
  - 1.5.2 Barricades
- 1.6 CONTRACTOR'S TEMPORARY FACILITIES
  - 1.6.1 Administrative Field Offices
  - 1.6.2 Storage Area
  - 1.6.3 Appearance of Trailers
  - 1.6.4 Maintenance of Storage Area
  - 1.6.5 Security Provisions
- 1.7 TEMPORARY PROJECT SAFETY FENCING
- 1.8 HOUSEKEEPING AND CLEANUP
- 1.9 RESTORATION OF STORAGE AREA

PART 2 PRODUCTS (NOT APPLICABLE)

PART 3 EXECUTION (NOT APPLICABLE)

-- End of Section Table of Contents --

## SECTION 01500

## TEMPORARY CONSTRUCTION FACILITIES

## PART 1 GENERAL

## 1.1 SUBMITTALS

Government approval is required for all submittals with a "G" designation; submittals not having a designation are for information only. The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES:

## SD-01 Preconstruction Submittals

## Site Plan; G

Site plan showing proposed locations and dimensions of any area to be fenced, the number and location of trailers, avenues of ingress/egress, and details of fence installation.

## Temporary Earthwork Plan; G

A temporary earthwork plan shall be submitted to the Contracting Officer

## 1.2 GENERAL REQUIREMENTS

## 1.2.1 Site Plan and Access

The Contractor shall prepare a Site Plan and submit it to the Contracting Officer. This site plan shall indicate the proposed location and dimensions of any area to be fenced and used by the Contractor, the number of trailers to be used, avenues of ingress/egress to the fenced area and details of the fence installation. Any areas which may have to be graveled to prevent the tracking of mud shall also be identified.

Waterside Site Access: Construction access to the bank protection site ~~was~~ **is** designed for waterside construction only **from a river barge (s)**. Mobilization and operations of equipment shall take place from the ~~waterside~~ **river barge (s)** as stated on Site Plan G-003, Construction Notes, Item 9. Importing and stockpiling of material are restricted to the waterside. Materials used in construction shall be transported to and stored on the ~~waterside of the site~~ **barge (s)**. **No staging stockpiling or placement of rock riprap and bedding materials during construction of the lower and upper riprap berm will be allowed from the levee top.-**

Land Site Access through Miller Park shall be maintained such that park and boat ramp are accessible and useable. The contractor shall provide for safety of pedestrians and bicyclists accessing bike trail detour. All access routes shall be clearly marked and maintained during use. All speed limits shall be strictly observed in the park.

Contractor vehicles on the levee shall use flashing lights, may not exceed 4 10 mph on the levee, and shall yield to pedestrians and cyclists. Flagmen

are required whenever 2 or more vehicles are driving on the bike trail. The contractor shall provide flagmen. The contractor shall abide by all traffic and pedestrian safety regulations.

#### 1.2.2 Identification of Employees

The Contractor shall be responsible for furnishing to each employee, and for requiring each employee engaged on the work to display, identification as approved and directed by the Contracting Officer. Prescribed identification shall immediately be delivered to the Contracting Officer for cancellation upon release of any employee. When required, the Contractor shall obtain and provide fingerprints of persons employed on the project. Contractor and subcontractor personnel shall wear identifying markings on hard hats clearly identifying the company for whom the employee works.

#### 1.2.3 Employee Parking

Contractor employees shall park privately owned vehicles in the designated work area.

### 1.3 AVAILABILITY AND USE OF UTILITY SERVICES

#### 1.3.1 Payment for Utility Services

Payment for utilities is not provided by the Government.

#### 1.3.2 Sanitation

The Contractor shall provide and maintain within the construction area minimum field-type sanitary facilities approved by the Contracting Officer. Government toilet facilities will not be available to Contractor's personnel.

#### 1.3.3 Telephone

The Contractor shall make arrangements and pay all costs for telephone facilities desired.

### 1.4 BULLETIN BOARD, PROJECT SIGN, AND PROJECT SAFETY SIGN

#### 1.4.1 Bulletin Board

Immediately upon beginning of work, the Contractor shall provide a weatherproof glass-covered bulletin board not less than 36 by 48 inches in size for displaying the Equal Employment Opportunity poster, a copy of the wage decision contained in the contract, Wage Rate Information poster, and other information approved by the Contracting Officer. The bulletin board shall be located at the project site in a conspicuous place easily accessible to all employees, as approved by the Contracting Officer. Legible copies of the aforementioned data shall be displayed until work is completed. Upon completion of work the bulletin board shall be removed by and remain the property of the Contractor.

#### 1.4.2 Project and Safety Signs

The requirements for the signs, their content, and location shall be as shown on the drawings. The signs shall be erected within 15 calendar days after receipt of the notice to proceed. The data required by the safety

sign shall be corrected daily, with light colored metallic or non-metallic numerals. Upon completion of the project, the signs shall be removed from the site.

#### 1.5 PROTECTION AND MAINTENANCE OF TRAFFIC

During construction the Contractor shall provide access and temporary relocated roads as necessary to maintain traffic. The Contractor shall maintain and protect traffic on all affected public roads and the Bike Trail during the construction period except as otherwise specifically directed by the Contracting Officer. Measures for the protection and diversion of traffic, including the provision of watchmen and flagmen, erection of barricades, placing of lights around and in front of equipment and the work, and the erection and maintenance of adequate warning, danger, and direction signs, shall be as required by the State and local authorities having jurisdiction. The traveling public shall be protected from damage to person and property. The Contractor's traffic on roads selected for hauling material to and from the site shall interfere as little as possible with public traffic. The Contractor shall investigate the adequacy of existing roads and the allowable load limit on these roads. The Contractor shall be responsible for the repair of any damage to roads caused by construction operations. ~~The Contractor shall block public access to the American River Bike Trail Access Ramp located at the southerly end of Estates Drive.~~ Refer also to paragraph "DAMAGE TO ROADS" in section 01505, "GENERAL REQUIREMENTS".

##### 1.5.1 Temporary Earthwork

If the Contractor proposes to construct temporary access ramps to the waterside of the construction site, or proposes earthwork at the construction staging/parking areas, the Contractor shall submit a Temporary Earthwork Plan for approval at least 14 calendar days prior to scheduled start of such temporary work, and work shall not proceed until plans are approved by the Contracting Officer. Any such work shall be at the Contractor's own expense. The Temporary Earthwork Plan shall include the following as a minimum:

- a. A layout of all temporary access roads, excavations, and embankments to be constructed. This work shall be located to avoid elderberry shrubs and trees over 4 inches in diameter as measured 4 feet above original ground height to the degree possible.
- b. Plans and cross sections of proposed earthwork, including a description of proposed construction materials. The scales of the plan and cross sections shall be appropriate to show all pertinent features of the proposed work.
- c. Description of methods to mark clearing limits on the ground using preservation fencing for the duration of the construction period and methods of marking elderberry shrubs outside of, but within  $\pm 20$  feet of, the clearing limits. Necessary removal of any tree and shrub limbs outside the limits of clearing shall also be indicated. The plan shall also indicate location of guard posts or barriers needed to control vehicular traffic passing close to tree and shrub limbs to protect them from damage.
- d. Modification of the Contractor's plans shall be made only with the written approval of the Contracting Officer. No unauthorized

road construction, excavation, or embankment construction, including earth disposal, will be permitted.

#### 1.5.2 Barricades

The Contractor shall erect and maintain temporary barricades to limit public access to hazardous areas. Such barricades shall be required whenever safe public access to paved areas such as roads, parking areas or sidewalks is prevented by construction activities or as otherwise necessary to ensure the safety of both pedestrian and vehicular traffic. Barricades shall be securely placed, clearly visible with adequate illumination to provide sufficient visual warning of the hazard during both day and night.

#### 1.6 CONTRACTOR'S TEMPORARY FACILITIES

The field offices, staging areas, stockpile storage, and temporary buildings shall be placed in areas designated on the drawings. Temporary movement or relocation of Contractor facilities shall be made only when approved.

##### 1.6.1 Administrative Field Offices

The Contractor shall provide and maintain administrative field office facilities within the construction area at the designated site. Government office and warehouse facilities will not be available to the Contractor's personnel.

##### 1.6.2 Storage Area

The Contractor shall construct a temporary 6 foot high chain link fence around trailers and materials. Fence posts may be driven, in lieu of concrete bases, where soil conditions permit. Trailers, materials, or equipment shall not be placed or stored outside the fenced area unless such trailers, materials, or equipment are assigned a separate and distinct storage area by the Contracting Officer away from the vicinity of the construction site. Trailers, equipment, or materials shall not be open to public view with the exception of those items which are in support of ongoing work on any given day. Materials shall not be stockpiled outside the fence in preparation for the next day's work. Mobile equipment, such as tractors, wheeled lifting equipment, cranes, trucks, and like equipment, shall be parked within the fenced area at the end of each work day.

##### 1.6.3 Appearance of Trailers

Trailers utilized by the Contractor for administrative or material storage purposes shall present a clean and neat exterior appearance and shall be in a state of good repair. Trailers which, in the opinion of the Contracting Officer, require exterior painting or maintenance will not be allowed.

##### 1.6.4 Maintenance of Storage Area

Fencing shall be kept in a state of good repair and proper alignment. Should the Contractor elect to traverse, with construction equipment or other vehicles, grassed or unpaved areas which are not established roadways, such areas shall be covered with a layer of gravel as necessary to prevent rutting and the tracking of mud onto paved or established roadways; gravel gradation shall be at the Contractor's discretion. Grass located within the boundaries of the construction site shall be mowed for the duration of the project. Grass and vegetation along fences, buildings,

under trailers, and in areas not accessible to mowers shall be edged or trimmed neatly.

#### 1.6.5 Security Provisions

Adequate outside security lighting shall be provided at the Contractor's temporary facilities. The Contractor shall be responsible for the security of his own equipment; in addition, the Contractor shall notify the appropriate law enforcement agency requesting periodic security checks of the temporary project field office.

#### 1.7 TEMPORARY ~~PRESERVATION~~ PROJECT SAFETY FENCING

~~Before the start of construction operations, the Contractor shall furnish and install temporary preservation fencing (refer to Paragraph 1.6, LAND RESOURCES of SECTION 01430, ENVIRONMENT PROTECTION and Paragraph 3.1, PRESERVATION OF VEGETATION of SECTION 02230, CLEARING AND GRUBBING, for extents). The preservation fencing shall be a high visibility orange-colored, high density polyethylene grid or approved equal, a minimum of 3.5-foot high, supported and tightly secured to steel posts located on maximum 10 foot centers, constructed at the approved location. The preservation fencing shall be maintained by the Contractor during the life of the contract and, upon completion and acceptance of the work, shall become the property of the Contractor and shall be removed from the work site.~~ At the start of mobilization at a work site, the Contractor shall furnish and erect temporary project safety fencing. This temporary fencing shall be six foot high chain link fencing around work areas as shown on the drawings or, at the option of the Contractor, a smaller area within the designated work area. No material or equipment shall be stored outside the fenced area.

The government or its sponsor shall not bear any responsibility for loss, vandalism or liability as a result of the contractor's actions or layout.

Fencing for all work areas shall be maintained by the Contractor during the life of the contract and, upon completion and acceptance of the work, shall become the property of the Contractor and shall be removed from the work site.

#### 1.8 HOUSEKEEPING AND CLEANUP

The Contractor shall assign sufficient personnel to insure strict compliance with cleanup requirements. The Contractor shall keep the total construction area, structures and access ways free of debris and obstructions at all times. Work will not be allowed in those areas that have unsatisfactory cleanup and housekeeping as determined by the Contracting Officer. At least once each day, all areas shall be checked by the Contractor and, if necessary, corrected to comply with the above requirement. Housekeeping and cleanup shall be assigned by the Contractor to specific personnel. The name(s) of the cleanup personnel shall be available at the project site; each shall be supplied with a distinctively marked hard hat, to be worn from the beginning to the end of the project.

#### 1.9 RESTORATION OF STORAGE AREA

Upon completion of the project and after removal of trailers, materials, and equipment from within the fenced area, the fence shall be removed and will become the property of the Contractor. Areas used by the Contractor for the storage of equipment or material, or other use, shall be restored

to the original or better condition. Gravel used to traverse grassed areas shall be removed and the area restored to its original condition, including top soil and seeding as necessary.

PART 2 PRODUCTS (NOT APPLICABLE)

PART 3 EXECUTION (NOT APPLICABLE)

-- End of Section --

SECTION TABLE OF CONTENTS

DIVISION 02 - SITE CONSTRUCTION

SECTION 02230

CLEARING AND GRUBBING

PART 1 GENERAL

- 1.1 DEFINITIONS
  - 1.1.1 CLEARING
  - 1.1.2 GRUBBING
- 1.2 REFERENCES (NOT APPLICABLE)
- 1.3 SUBMITTALS
- 1.4 MEASUREMENT
- 1.5 PAYMENT

PART 2 PRODUCTS (NOT APPLICABLE)

PART 3 EXECUTION

- 3.1 PRESERVATION OF VEGETATION
- 3.2 SPECIAL TREE PROTECTION AND PLACEMENT
- 3.3 CLEARING
  - 3.3.1 TREES
  - 3.3.2 VEGETATION
  - 3.3.3 STRUCTURES And DEBRIS
- 3.4 GRUBBING
  - 3.4.1 EMBANKMENT AREAS
  - 3.4.2 FILLING OF HOLES
- 3.5 DISPOSAL OF MATERIALS

-- End of Section Table of Contents --

## SECTION 02230

## CLEARING AND GRUBBING

## PART 1 GENERAL

## 1.1 DEFINITIONS

1.1.1 CLEARING~~clearing~~

Clearing shall consist of the complete removal of all obstructions above the ground surface and the satisfactory disposal of this material. Obstructions include, but are not limited to down timber, snags, brush, and rubbish. Clearing areas are shown on ~~the drawings~~ sheets C103 and C104. Trees, unless otherwise designated, shall be preserved.

Clearing Misc. Plants: Clearing plants shall include clearing of all brush, plants, vines, etc. from the riprap footprint area as shown on the plans.

Cave Clearing: Holes in the waterside of the levee are designated as caves on the plan sheets. The caves shall be cleared out as shown to provide a clean, stable base for bedding material and riprap. There may be several caves on the site NOT designated on the plan sheets. These caves shall be cleared in the same manner as those on the plan sheets. **Particularly During cave clearing operations**, the contractor shall not place, or operate any vehicle exceeding 8,000 lbs gross vehicle weight (gvw) on the levee road in accordance with Section 015405, 1.13-52.4.

Concrete Rubble: Clearing shall also include the demolition and removal of all concrete slabs larger than 18" in any dimension. Concrete slabs shall be broken up in place, on the site. Slabs shall be broken into pieces a minimum 18" in any dimension. Remaining concrete pieces shall then be cast into the water to the toe of the levee. This rubble shall be placed so that the riprap may be placed on top as shown on the cross-sections. Large existing boulders shall be moved to the toe of the levee, except where designated by the contracting officer.

Boulders: Large boulders are defined as 'derrick stone' size rocks 3ft or larger in diameter for example. There are many large boulders existing on the site at about elevation 4-6ft. It is likely that a fraction of these large boulders are resting in the alignment of the select soil trench as shown on the plan sheets. If it is determined that a particular large boulder is in the path of the trench, it is to be moved out of the way. Otherwise, large boulders may be left in place.

Rebar/Cable Removal: Excess rebar, cable, and other metal shall be removed by the contractor and disposed of properly.

Stripping: Stripping shall include removal of excess material after removal of concrete, rebar, and cable.

Tree Removal: The site has many existing trees in the riprap footprint. Trees are designated on the plan sheets by tag numbers corresponding to metal tags on the trees. The Designated the trees to be moved, as well as the location where each will be moved to, will be identified by the Contracting Officer prior to the start of construction activities.

Identified trees are to be removed with as much of the rootball intact as possible. The contractor shall attach these trees to the riprap bench surface. Specification section 02322 gives the details of tree removal, trimming, and placement.

The contractor shall not operate and vehicle or other equipment on the levee top or embankment greater than 8,000 lbs gvw during clearing operations. Equipment greater than 8,000 lbs gvw may be operated **in accordance with Section 01505, 1.12.4** after grubbing operations are complete, and cleared sections have been backfilled.

#### 1.1.2 GRUBBING~~rubbing~~

Grubbing shall consist of the removal and disposal of all stumps, roots, buried logs, old pilings, old foundations, old paving, old riprap, and other unsuitable matter.

Exceptions to grubbing: Stumps of freshly-cut trees so large that their removal would damage the levee. Chunks of concrete or stone in the general category of 'Derrick Stone', in excess of 3ft in diameter. These large stones shall be placed at the toe of the levee along with the broken concrete rubble.

Grubbing out Caves and Deep Holes: Caves noted on the plan sheets shall be cleared and grubbed of all trees, tree roots, debris and excess soil. The resulting cavities shall be lined with 12" of bedding material and then backfilled with riprap. All holes not shown on the plan sheets shall likewise be cleared, grubbed, and backfilled.

The contractor shall not operate **any** vehicle or other equipment on the levee top or embankment greater than 8,000 lbs gvw during grubbing operations. Equipment greater than 8,000 lbs gvw may be operated **in accordance with Section 01505, 1.12.4** after grubbing operations are complete, and cleared sections have been backfilled.

#### 1.2 REFERENCES (NOT APPLICABLE)

#### 1.3 SUBMITTALS

Government approval is required for all submittals with a "G" designation; submittals not having a designation are for information only. The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES:

##### SD-01 Preconstruction Submittals

##### Permission to Dispose of Cleared and Grubbed Materials

~~Written permission to dispose of such products on private property shall be filed with the Contracting Officer. All cleared and grubbed material shall be disposed of at an approved commercial landfill, co-generation plant, or other location subject to written approval of the contracting officer.~~

#### 1.4 MEASUREMENT

No measurement of the Special Tree Transplanting, Clearing, and Grubbing will be made.

## 1.5 PAYMENT

Payment for Tree Removal, Clearing, and Grubbing will be made at the contract lump sum price for bid item "Clearing and Grubbing," which price will include costs of all labor, equipment, and materials required to perform the work described in this section. The refilling of holes resulting from the Tree Removal and Grubbing operations will be considered a subsidiary obligation of the Contractor.

Clearing Misc: Payment shall be made by area, given as 1.3 Acres.

Cave Clearing: Payment for Cave Clearing shall be made by the total cubic yards of material removed in clearing out all caves.

Special Note:

Concrete Rubble: Payment for break-up and removal from levee slope of concrete rubble shall be by cubic yard.

Rebar/Cable Removal: The site contains misc. old rebar, and cable. There are a few pieces of misc metal as well. Payment for removal of misc rebar, cable, and misc metal shall be made by the pound.

Stripping: Payment for stripping shall be made by the cubic yard.

Tree Removal: Besides clearing of misc trees, and shrubs, 40 trees shall be removed specifically for the use of installation on the berm. Payment for removal of these 40 trees shall be each, per-tree.

## PART 2 PRODUCTS (NOT APPLICABLE)

## PART 3 EXECUTION

### 3.1 PRESERVATION OF VEGETATION

All Work Areas shall be marked on the ground, approved by the Contracting Officer, and fenced before the start of Clearing, Grubbing, or other construction operations.

### 3.2 SPECIAL TREE PROTECTION AND PLACEMENT

There are approximately 90 tagged trees within the construction foot print. Trees designated on the EXISTING TREE PLAN (C-103 and C-104) shall be protected in place as shown on Sheet C-201, TREE PROTECTION. All other trees shall be removed. Trees to be removed shall be clearly tagged at the time of construction. The Contracting Officer shall provide direction as to trees to be protected or removed. A Government provided technical specialist shall mark trees and be onsite during tree protection and removal.

Trees designated for removal and placement on the berm will be identified by the Contracting Officer prior to the start of construction activities. The location that each tree shall be moved to will also be identified by the the Contracting Officer at the same time. The location that the trees shall be moved to is within the general work area specified herein and shown on the drawings. A technical specialist shall mark trees and be onsite during tree protection and removal.

Trees to be placed on the berm may be stored temporarily near the up or downstream end of the work area easement prior to placement. Trees

intended for placement on the rock berm shall only be moved to a storage location prior to the placement of the trees on the berm. Trees are not to be left in the work area after construction activities are completed. Any trees not placed this working season (2004) must be moved, by barge, by the contractor to an offsite storage area for placement in 2005.

### 3.3 CLEARING

Designated trees along with all stumps, down timber, snags, brush, vegetation, stone, abandoned structures, and debris shall be cleared in all work areas as defined herein.

#### 3.3.1 TREES~~rees~~

Any trees designated to be cleared beside the trees identified as Special Tree Placement, shall be felled in such a manner as to avoid damage to trees left standing, to existing structures and installations, to facilities under construction, as well as with due regard for the safety of employees and others. The Contracting Officer will give approval for any trees to be cleared.

Special Note: During tree felling operations, the contractor shall not place, or operate any vehicle exceeding 8,000 lbs gvw on the levee road in accordance with Section 01510~~05~~, 1.12.4, ~~1.13.5~~. When trees greater than 12" in diameter are felled, all vehicular activity on top of the levee shall cease.

A 3-axle crane of gvw less than the maximum of 28,000 lbs may be employed from the top of the levee to assist in tree trimming and removal operations. The crane shall not operate in tandem with any other clearing or grubbing operations of any kind. **This shall not be done until clearing, grubbing, and cave filling operations are completed.**

#### 3.3.2 VEGETATION~~vegetation~~

Vegetation to be removed shall consist of all heavy growth of crops, grass, weeds, and brush located within the Work Areas. All vegetation to be removed will be approved by the Contracting Officer before the start of the Clearing operation. The Contractor shall allow two working days for this inspection. This period may be shortened or waived by the Contracting Officer.

#### 3.3.3 STRUCTURE~~structures~~ And DEBRIS~~debris~~

The Contractor shall remove all abandoned foundations, debris, asphalt road surfaces, piles, and other materials, that will interfere with the placement of the stone protection, unless otherwise instructed by the Contracting Officer.

Special Note: During debris removal operations, the contractor shall not place, or operate any vehicle exceeding 8,000 lbs gvw on the levee road in accordance with Section 01510, ~~1.13.5~~ 05, 1.12.4.

### 3.4 GRUBBING

#### 3.4.1 ~~Embankment~~ MBANKMENT Areas REAS

All stumps, roots over 1.5 inches in diameter, buried logs, old pilings, old foundations, old paving, old riprap, and any other unsuitable matter

shall be removed from all work areas to a depth of not less than 3 feet below the original ground surface level.

Special Note: During grubbing operations, the contractor shall not place, or operate any vehicle exceeding 8,000 lbs gvw on the levee road in accordance with Section 01510, ~~1.13.5~~ 05, 1.12.4.

#### 3.4.2 ~~Filling~~ FILLING ~~Of Holes~~ HOLES

All holes caused by the Special Tree Placement and Grubbing operations shall be filled in layers with Embankment in accordance with SECTION 02380, STONE PROTECTION, to the level of adjacent riprap.

Special Note: During hole filling operations, the contractor shall not place, or operate any vehicle exceeding 8,000 lbs gvw on the levee road in accordance with Section 01510, ~~1.13.5~~ 05, 1.12.4. The contractor may operate equipment in excess of 28,000 lbs **in accordance with Section 01505, 1.12.4** only after any hole in excess of 2'x2'x2' of any origin, pre-construction or contractor created, has been filled\_.

#### 3.5 DISPOSAL OF MATERIALS

Logs, stumps, roots, brush, rotten wood, asphalt, debris, and other refuse from the Clearing and Grubbing operations, except for the trees described in paragraph 3.2 of this section, shall be disposed of outside the limits of Government-controlled land at the Contractor's responsibility, except when otherwise directed in writing. Such directive will state the conditions covering the disposal of such products and will also state the areas in which they may be placed (see submittal "Permission to Dispose of Cleared and Grubbed Materials").

-- End of Section --