

|  |                                  |   |   |                        |
|--|----------------------------------|---|---|------------------------|
| <b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>  |                                  |   | 1. CONTRACT ID CODE<br>J                              | PAGE OF PAGES<br>1   2 |
| 2. AMENDMENT/MODIFICATION NO.<br>0001  | 3. EFFECTIVE DATE<br>21-Nov-2005 | 4. REQUISITION/PURCHASE REQ. NO.  | 5. PROJECT NO.(If applicable)<br>W912EQ-06-B-0001     |                        |
| 6. ISSUED BY<br>US ARMY ENGINEER DISTRICT, MEMPHIS<br>167 N MAIN STREET B202<br>MEMPHIS TN 38103-1894  | CODE<br>W912EQ                   | 7. ADMINISTERED BY (If other than item 6)<br><b>See Item 6</b>                      |   |                        |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)  |                                  | X   | 9A. AMENDMENT OF SOLICITATION NO.<br>W912EQ-06-B-0001 |                        |
|  |                                  | X   | 9B. DATED (SEE ITEM 11)<br>28-Oct-2005                |                        |
|  |                                  |   | 10A. MOD. OF CONTRACT/ORDER NO.                       |                        |
|  |                                  |   | 10B. DATED (SEE ITEM 13)                              |                        |
| CODE   | FACILITY CODE                    | 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS                           |   |                        |
| <input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended.<br>Offer 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:<br>(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted;<br>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.<br>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 <input type="checkbox"/> is not, <input type="checkbox"/> 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.)<br>This solicitation for Wolf River Item 2 Channel Stabilization, Memphis, Shelby County, Tennessee scheduled to open 01 Dec 2005 at 2:30 p.m. is amended as follows:<br><br>1. Section 01357 - Storm Water Pollution Prevention Plan is deleted in its entirety and replaced with the attached Section 01357.<br><br>2. All drawings 001A0690 thru 009A0690 are deleted due to missing file numbers. Drawings 001A0690 thru 009A0690 are replaced with the correct file numbers. In addition, the upstream riprap limits for Weir CW-3 have been changed in Drawing 003B0690, which replaces 003A0690.<br><br>3. Bid Schedule is deleted in its entirety and replaced with the attached. Bid items 0004, 0005, and 0006 were reduced because of the changed upstream riprap limits for CW-3.  |                                  |   |   |                        |
| 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)                          |   |                        |
|  |                                  | TEL: _____ EMAIL: _____   |   |                        |
| 15B. CONTRACTOR/OFFEROR<br><br>_____<br>(Signature of person authorized to sign)   | 15C. DATE SIGNED                 | 16B. UNITED STATES OF AMERICA<br><br>BY _____<br>(Signature of Contracting Officer) | 16C. DATE SIGNED<br><br>21-Nov-2005                   |                        |

SECTION TABLE OF CONTENTS

DIVISION 01 - GENERAL REQUIREMENTS

SECTION 01357

STORM WATER POLLUTION PREVENTION PLAN

|        |   |
|--------|---|
| PART 1 | LOCATION AND NATURE OF ACTIVITY   |
| PART 2 | AREA AFFECTED   |
| PART 3 | CONTROL OF POLLUTANTS DURING CONSTRUCTION                                     |
| 3.1    | NON-STRUCTURAL MEASURES   |
| 3.1.1  | General   |
| 3.1.2  | Protection of Landscape   |
| 3.1.3  | Reduction of Exposure of Unprotected Erodible Soils                           |
| 3.2    | STRUCTURAL MEASURES   |
| 3.2.1  | General   |
| 3.2.2  | Silt Fences   |
| 3.2.3  | Check Dams  |
| 3.2.4  | Other Measures  |
| 3.2.5  | Velocity Dissipation Devices  |
| 3.2.6  | Maintenance   |
| PART 4 | CONTROL OF POLLUTANTS AFTER CONSTRUCTION                                      |
| 4.1    | ESTABLISHMENT OF TURF   |
| 4.1.1  | General   |
| 4.1.2  | Fertilizer  |
| 4.1.3  | Seeding   |
| 4.1.4  | Mulching  |
| 4.2    | STATE AND LOCAL CONTROLS  |
| PART 5 | RUNOFF COEFFICIENT, IMPERVIOUS AREAS, SOILS                                   |
| PART 6 | RECEIVING WATER   |
| PART 7 | INSPECTIONS   |
| 7.1    | General   |
| 7.2    | Disturbed Areas and Areas Used for Material Storage                           |
| 7.3    | Modification of Pollution Plan  |
| 7.4    | Reports   |
| PART 8 | OTHER CONSIDERATIONS  |
| 8.1    | Location of Construction in Regard to Waters Classified in 10 CSR<br>20-7.013 |
| 8.2    | Proximity of Site to Major Reservoirs   |
| PART 9 | DEFINITIONS   |

- 9.1 Best Management Practices (BMPs)
- 9.2 Commencement of Construction
- 9.3 Drainage Swale
- 9.4 Check Dam
- 9.5 Final Stabilization

PART 10 CERTIFICATION

-- End of Section Table of Contents --

SECTION 01357

STORM WATER POLLUTION PREVENTION PLAN

Wolf River, Memphis, Tennessee, Item 2,  
Channel Stabilization Weir and Bridge Protection  
STORM WATER POLLUTION PREVENTION PLAN  
FOR STORM WATER GENERAL PERMIT  
U.S. ARMY CORPS OF ENGINEERS, MEMPHIS DISTRICT

PART 1 LOCATION AND NATURE OF ACTIVITY

The work specified in this section consists of the Contractor implementing, and diligently pursuing all measures required in the Storm Water Pollution Prevention Plan (SWPPP). The purpose of the SWPPP is to control soil erosion and the resulting sediment to the extent necessary to prevent sediment from leaving the contract rights-of-way and prevent pollution of any water body caused by the runoff from the areas of construction activities under this contract. The Contractor shall review the SWPPP to determine requirements for compliance. In addition, the Contractor shall ascertain that his subcontractors have reviewed the plan, and that they comply with its provisions. The Contractor shall ensure that all subcontractors sign the CERTIFICATION located at the end of this section.

This project will take place in Shelby County, Tennessee between Stations 185+66 and 176+40 for the channel stabilization weir and between Stations -3+15 and 1+94 for the Collierville-Arlington bridge protection. This project consists of sloping the existing river banks to 1V on 2.5H and 1V on 2H as shown on the drawings and placing a channel stabilization weir in the river channel at one location and placing bridge protection at the Collierville-Arlington Bridge. Access to the project will be from Collierville-Arlington Road and Raleigh Lagrange either on natural ground or on a haul road constructed as shown on the project plans. A disposal area is also provided for the disposal of excavated material from the construction of the weir and bridge protection. This area is approximately 1.7 acres.

A set of construction drawings showing the project location and the details of installation of the environmental protection measures will be located on the construction site at all times. Flow arrows indicating drainage patterns are shown on the contract drawing, Temporary Erosion Control Devices. Typical erosion control details have been included within the Contract Document (Drawing No. 9). Details of erosion control measures, specific to this site, are shown on drawings 1 through 3 in this SWPPP. In addition, environmental protection has been addressed in Technical Specification SECTION 01355A and Storm Water Pollution Prevention Measures have been addressed in Technical Specification SECTION 01356.

PART 2 AREA AFFECTED

The total area of the site, within the right-of-way limits, which will be impacted by construction, is approximately 28.4 acres, of which 10.6 acres may be disturbed during construction. Watershed volume calculations

included on-site and off-site areas and no area draining through one outfall is more than five acres. Therefore, no sediment detention basins are required.

### PART 3 CONTROL OF POLLUTANTS DURING CONSTRUCTION

Structural and/or non-structural measures shall be located along the channel as shown on the contract drawings and shall be identified and/or constructed in a timely manner as to minimize the introduction of sediment into the Wolf River as a result of storm water runoff. Controls shall be put in place prior to disturbance of soil and maintained until soils are stabilized. Erosion prevention and sediment control devices have been designed to control a 5-year/24 hour storm, which in the Memphis area is approximately five (5) inches.

#### 3.1 NON-STRUCTURAL MEASURES

##### 3.1.1 General

Prior to the beginning of any construction, the Contracting Officer will identify all land resources to be preserved within the right-of-way. The Contractor shall provide effective protection for land, water and vegetation resources at all times. The Contractor shall construct or install temporary and/or permanent erosion and sedimentation control features as indicated herein to minimize pollutants entering Wolf River, other water bodies, or wetlands. The Contractor shall not remove, cut, deface, injure, or destroy land resources including trees, shrubs, vines, grasses, topsoil, and land forms outside the construction right-of-way.

##### 3.1.2 Protection of Landscape

Trees, shrubs, vines, grasses, landforms and other landscape features indicated and defined on the contract drawings or as directed by the Contracting Officer to be preserved shall be clearly identified by marking, fencing, wrapping with boards, or other approved techniques.

##### 3.1.3 Reduction of Exposure of Unprotected Erodible Soils

All earthwork shall be planned and conducted to minimize the duration of exposure of unprotected soils. Vegetative ground cover shall not be destroyed, removed or disturbed more than 20 calendar days prior to grading or earth moving. Clearing shall progress in reasonably sized increments as needed to use the areas developed. To the extent feasible, material embankments, side slopes, back slopes, berms and any other exposed surfaces shall be stabilized by temporary seeding, mulching, fabric mats or other approved stabilization methods, as soon as possible after material placement, or within 14 days on areas that will remain unfinished more than 21 calendar days. Should construction be halted, for any reason, temporarily or permanently, for more than 21 days, in any portion of the site, temporary or permanent turfing measures, or other approved temporary stabilization of exposed areas, such as mulching, shall be accomplished within 14 days after construction is halted.

#### 3.2 STRUCTURAL MEASURES

##### 3.2.1 General

Temporary erosion and sediment control measures such as silt fences, check dams, and sedimentation basins shall be constructed and maintained until

permanent drainage and erosion control facilities are complete and operative. Placement of perimeter controls shall commence with initiation of construction and shall remain in effect during the remainder of construction until final stabilization of those portions of the site upward of the perimeter control. Structural Controls will be constructed in a timely manner as construction proceeds along the top banks and perimeters of all disturbed areas within the project ROW where overbank disturbance will occur such that the introduction of sediment as a result of storm water runoff is minimized. Temporary erosion controls shall be maintained until final stabilization of exposed areas, after which they shall be removed. All structural devices shall be constructed in accordance with the standard drawing, TEMPORARY EROSION CONTROL DEVICES.

### 3.2.2 Silt Fences

Silt fences shall be constructed in those locations where storm water may flow from the construction site; all necessary efforts shall be employed to minimize the entry of excavated material into Wolf River, other water bodies, or wetlands.

### 3.2.3 Check Dams

Check dams shall be constructed across inlet ditches, drains and swales using sandbags or equivalent devices to minimize sediment entry into Wolf River, other water bodies, or wetlands. Check dams shall be inspected for sediment accumulation after each significant rainfall and sediment removed when it reaches one-half the height of the barrier. Sediment removal shall include removal and disposition in a location where it will not erode into construction areas, watercourses or wetlands.

### 3.2.4 Other Measures

Other temporary erosion and sediment control measures such as berms, dikes, swales, and drains may be used with, or in lieu of, the above-mentioned measures provided they are consistent with Best Management Practices (BMPs). They shall be maintained until permanent drainage and erosion control facilities are complete and operative. Earthen erosion control features shall be compacted and stabilized immediately with vegetation as specified in the following paragraphs entitled "Seeding" and "Mulching."

### 3.2.5 Velocity Dissipation Devices

Should drains or swales be used, they shall be constructed with velocity dissipation devices (check dams) to reduce the need for more stringent erosion control practices in the swale or drain. These devices shall be removed after the erosive areas have been stabilized.

### 3.2.6 Maintenance

Sediment will be removed from silt fences, check dams and other sediment controls before the design capacity of the structure has been reduced by 50%. After use, silt fences will be removed or otherwise prevented from becoming a pollutant source for storm water discharges. Temporary measures may be removed at the beginning of the workday, but will be replaced at the end of the workday.

#### PART 4 CONTROL OF POLLUTANTS AFTER CONSTRUCTION

##### 4.1 ESTABLISHMENT OF TURF

###### 4.1.1 General

Turf shall be established as a permanent erosion control measure along the scour hole and any other areas, which are disturbed during construction. All material embankments, all berm areas, and any other disturbed areas shall be turfed. Turf shall be established in accordance with the Contract Specifications.

###### 4.1.2 Fertilizer

Fertilizer shall be distributed uniformly over the areas to be seeded at a rate which will supply not less than 40 pounds of available nitrogen, 40 pounds of available phosphorous, and 40 pounds of potash per acre.

###### 4.1.3 Seeding

Seed sown for permanent turfing shall be sown as specified in the technical specifications. Temporary seeding shall consist of grasses appropriate for the season when they are sown. A satisfactory method of sowing shall be employed, using approved mechanical power-drawn seeders, mechanical hand-seeders, broadcast-seeders, or other approved methods. When conditions are such by reason of drought, high winds, excessive moisture, or other factors that satisfactory results are not likely to be obtained, work shall be halted as directed by the Contracting Officer. Such work may resume only when conditions are favorable or when approved alternative or corrective measures and procedures have been identified and approved by the Contracting Officer. If inspection either during seeding operations or after there is a show of green indicates that areas have been left unplanted, additional seed shall be sown.

###### 4.1.4 Mulching

If used, mulch shall be materials that do not contain noxious grass or weed seed that might be detrimental to the turf being established or to adjacent farmland. Mulch shall be spread uniformly in a continuous blanket, using two tons-per-acre of straw mulch or 1,200 pounds-per-acre of wood cellulose fiber mulch.

##### 4.2 STATE AND LOCAL CONTROLS

There are no known State or local erosion and sediment control requirements applicable to this work other than those met by the requirements of this permit. In the event that there are State or local erosion and sediment control requirements, it shall be the responsibility of the Contractor to identify and comply with all applicable requirements. Chemical and solid waste units will be used at the site, with disposal in accordance with state and local regulations. Measures shall be in place to ensure compliance with state or local waste disposal, sanitary sewer, or septic system regulations. Water Quality Standards of receiving streams will be maintained during and after construction in accordance with requirements of the State Water Quality Certification.

#### PART 5 RUNOFF COEFFICIENT, IMPERVIOUS AREAS, SOILS

The runoff coefficient immediately before construction is estimated to

range between 0.10 and 0.30. Once the material embankment and other disturbed areas have been re-vegetated, the runoff coefficient should remain in approximately the same range with no increase in impervious areas. Soils in the area are CH, CL, SM, ML, and SP as defined by the Unified Soil Classification System (USCS). For further information regarding soil borings contact the Memphis District Office of the U.S. Army Corps of Engineers.

## PART 6 RECEIVING WATER

The receiving water is the Wolf River, a tributary of the Mississippi River, intersecting the Mississippi River in Shelby County, Tennessee. The only existing surface waters within construction right-of-way limits are waters in agricultural ditches. Locations of storm water discharges will be more specifically identified by the Contractor in his Environmental Protection Plan submitted to the Government for acceptance 15 days after his receipt of Notice to Proceed. There are no TMDLs applicable for the immediate receiving waters and since control measures will be in place to minimize sediment discharge, the impact upon the ultimate receiving stream will be negligible. No non-storm water discharges are anticipated to be combined with storm water runoff.

## PART 7 INSPECTIONS

### 7.1 General

Quality control representatives shall inspect disturbed areas of the construction site, and areas used for storage of materials that are exposed to precipitation that have not been finally stabilized, structural control measures, and locations where vehicles enter or exit the site twice every calendar week. Inspections shall be performed at least 72 hours apart. Where sites have been stabilized, inspections shall be conducted at least once every month.

### 7.2 Disturbed Areas and Areas Used for Material Storage

Disturbed areas and areas used for material storage that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure correct operation. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impact to receiving waters. Off-site sediment tracking will be minimized, since most of the equipment used will be delivered to and removed from the site by trailer. Locations where vehicles enter or exit the site shall be inspected such that off-site sediment tracking will be minimized.

### 7.3 Modification of Pollution Plan

Based on the results of the inspection referenced in the paragraph entitled "Disturbed Areas and Areas Used for Material Storage," the site description identified in Part 1 and Part 2 of this plan shall be revised as appropriate, but in no case more than seven calendar days following the inspection. Such modification shall provide for timely implementation of any changes to the plan within seven calendar days following the inspection.

#### 7.4 Reports

Inspection documentation will be maintained on site and made available upon request. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the Storm Water Pollution Prevention Plan (SWPPP), and actions taken shall be recorded and retained by the Contracting Officer as part of the SWPPP for at least three years from the date the site is finally stabilized.

#### PART 8 OTHER CONSIDERATIONS

##### 8.1 Location of Construction in Regard to Waters Classified in 10 CSR 20-7.013

Construction is not within 1,000 feet of waters classified in 10 CSR 20-7.013, Water Quality Standards, as:

- a. Public drinking water supply lakes
- b. Outstanding National Resource Waters
- c. Outstanding State Resource Waters
- d. Streams designated for cold water sport fishery
- e. A lake in EPA's Clean Lakes Program

##### 8.2 Proximity of Site to Major Reservoirs

Construction is not within 100 feet of waters classified as major reservoirs.

#### PART 9 DEFINITIONS

##### 9.1 Best Management Practices (BMPs)

Schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the State. BMPs also include treatment requirements, operation procedures and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

##### 9.2 Commencement of Construction

The initial disturbance of soils associated with clearing, grading, or excavating activities, or other construction activities.

##### 9.3 Drainage Swale

A drainage way with a lining of grass, riprap, asphalt, concrete, or other material installed to convey runoff without causing erosion.

##### 9.4 Check Dam

Small temporary dams constructed across a swale or drainage ditch to reduce the velocity of runoff flows.

##### 9.5 Final Stabilization

All soil-disturbing activities at the site have been completed, and a uniform perennial vegetative cover has been established or equivalent stabilization measures (such as the use of mulches or geo-textiles) have

been employed such that all disturbed soils are stabilized.

PART 10 CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Dennis J. Kamper, P.E. (901) 544-3227  
Chief, Engineering & Construction Division, COE

\_\_\_\_\_  
Name & Official Title Phone No.

\_\_\_\_\_  
Signature Date Signed

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

\_\_\_\_\_  
Name & Official Title of Contractor Phone No.

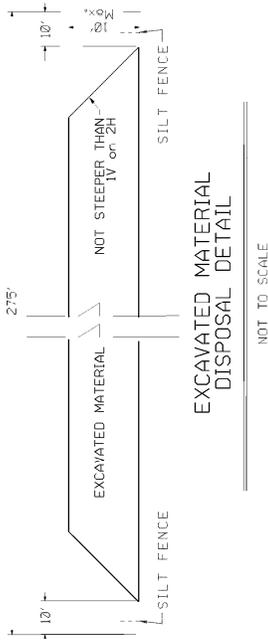
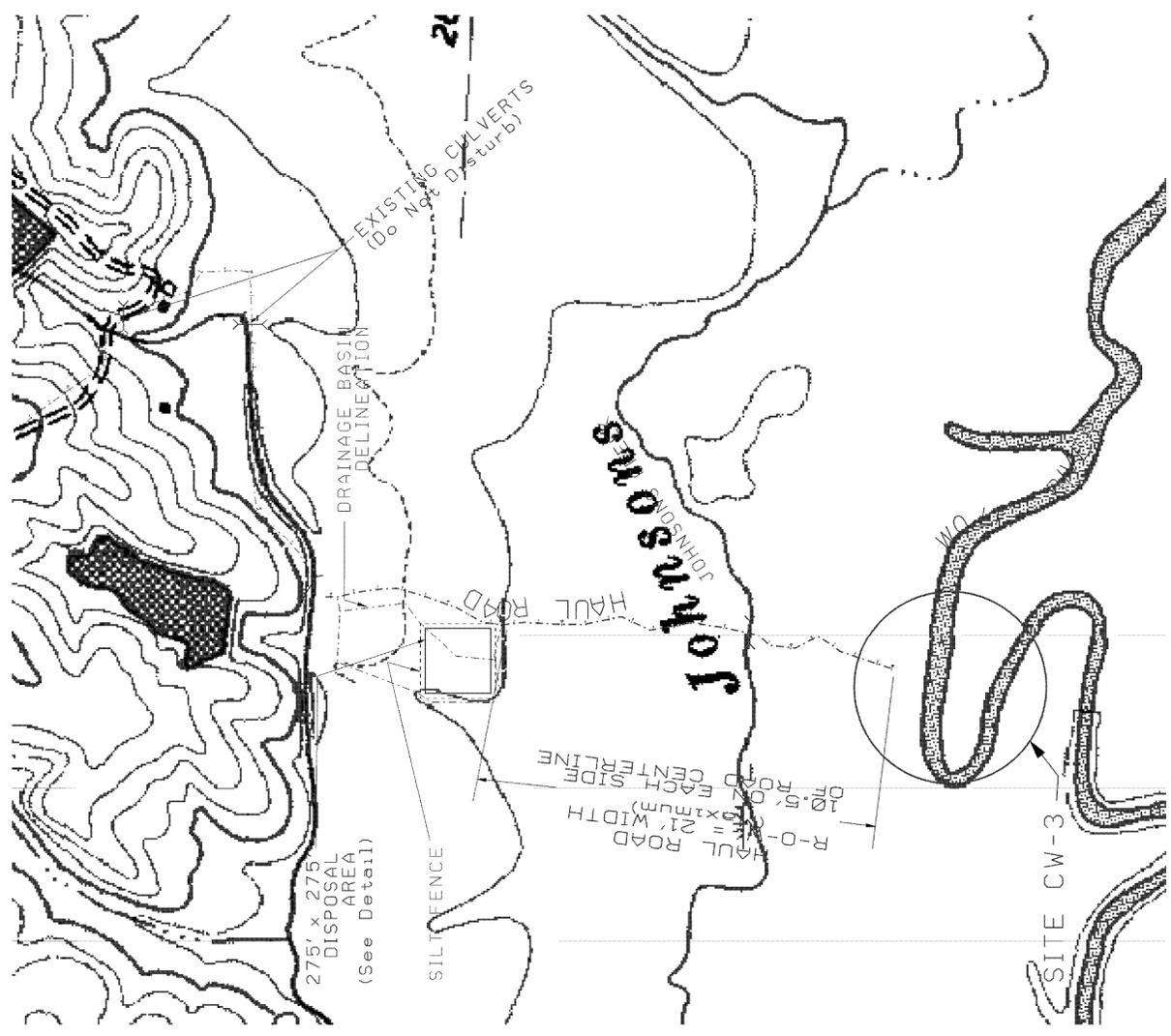
\_\_\_\_\_  
Signature Date Signed

\_\_\_\_\_  
Name & Official Title of Sub Contractor Phone No.

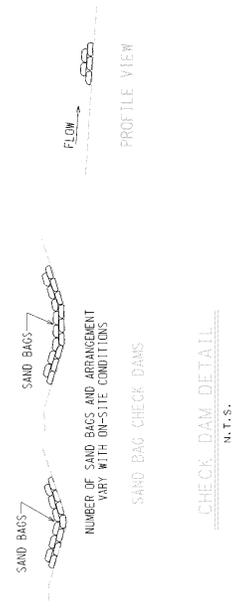
\_\_\_\_\_  
Signature Date Signed

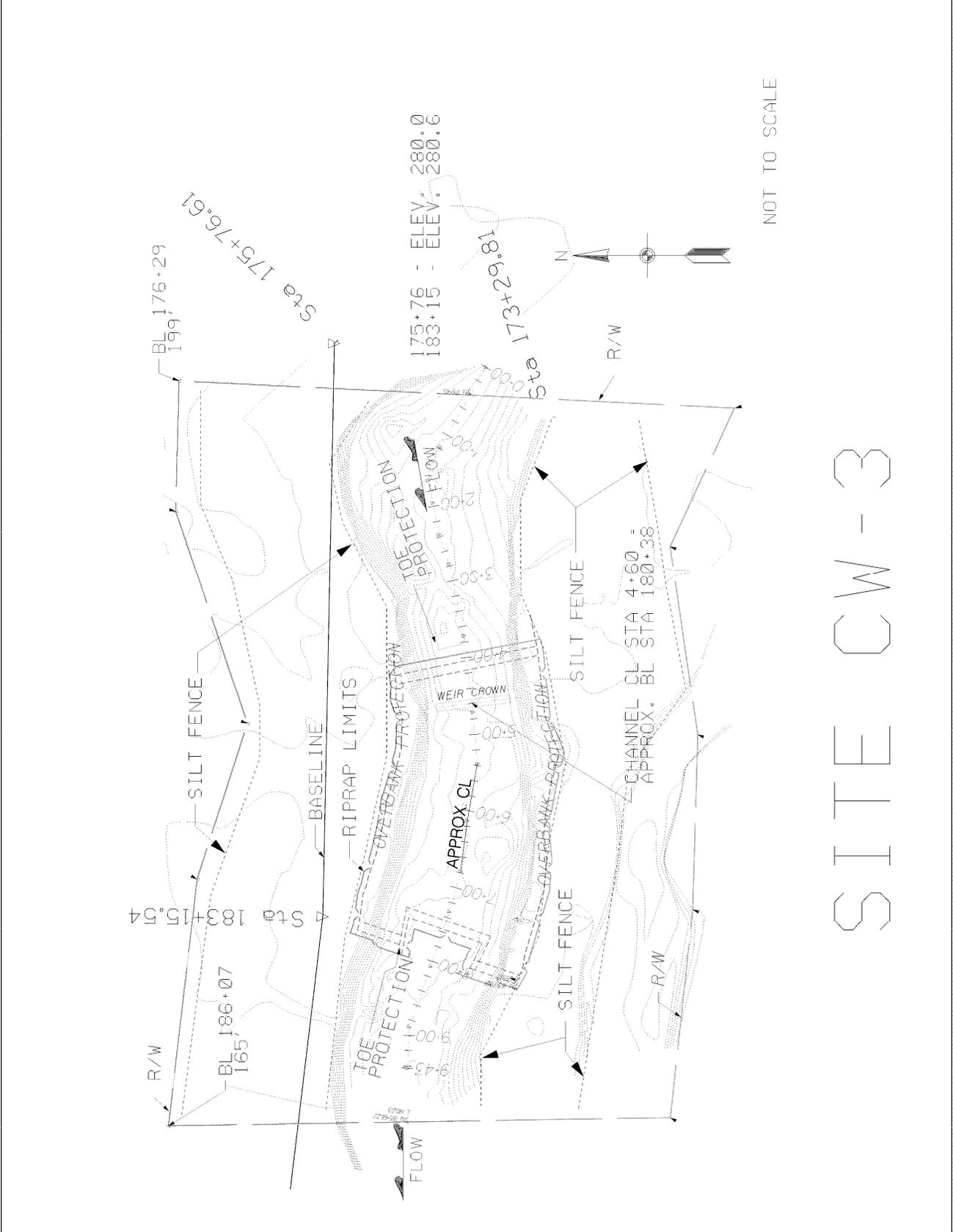
*For multiple Sub Contractors, attach additional Certification Sheets as necessary.*

-- End of Section --



NOTE : 1. CHECK DAMS TO BE PLACED EVERY 160', STARTING AT ENTRY OF NEWLY CONSTRUCTED HAUL ROAD SIDE DITCHES INTO JOHNSON CREEK AND WOLF RIVER. SEE DETAIL BELOW.  
 2. SILT FENCE DETAIL SHOWN AS FILTER FABRIC BARRIER DETAIL ON TEMPORARY EROSION CONTROL DEVICES DRAWING.  
 3. DRAWING NOT TO SCALE.





NOT TO SCALE

# SITE CW-3

|       |      |    |         |
|-------|------|----|---------|
| NO. 1 | DATE | BY | CHECKED |
|       |      |    |         |
|       |      |    |         |
|       |      |    |         |
|       |      |    |         |

U.S. ARMY CORPS OF ENGINEERS  
MEMPHIS DISTRICT

N

175+76 - ELEV. 280.0  
183+15 - ELEV. 280.6

U.S. ARMY CORPS OF ENGINEERS  
MEMPHIS DISTRICT

N

175+76 - ELEV. 280.0  
183+15 - ELEV. 280.6

U.S. ARMY CORPS OF ENGINEERS  
MEMPHIS DISTRICT

N

175+76 - ELEV. 280.0  
183+15 - ELEV. 280.6

U.S. ARMY CORPS OF ENGINEERS  
MEMPHIS DISTRICT

N

175+76 - ELEV. 280.0  
183+15 - ELEV. 280.6

U.S. ARMY CORPS OF ENGINEERS  
MEMPHIS DISTRICT

N

175+76 - ELEV. 280.0  
183+15 - ELEV. 280.6

U.S. ARMY CORPS OF ENGINEERS  
MEMPHIS DISTRICT

N

175+76 - ELEV. 280.0  
183+15 - ELEV. 280.6

U.S. ARMY CORPS OF ENGINEERS  
MEMPHIS DISTRICT

N

175+76 - ELEV. 280.0  
183+15 - ELEV. 280.6

U.S. ARMY CORPS OF ENGINEERS  
MEMPHIS DISTRICT

N

175+76 - ELEV. 280.0  
183+15 - ELEV. 280.6

U.S. ARMY CORPS OF ENGINEERS  
MEMPHIS DISTRICT

N

175+76 - ELEV. 280.0  
183+15 - ELEV. 280.6



| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
|     |      |             |
|     |      |             |
|     |      |             |
|     |      |             |

| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
|     |      |             |
|     |      |             |
|     |      |             |
|     |      |             |

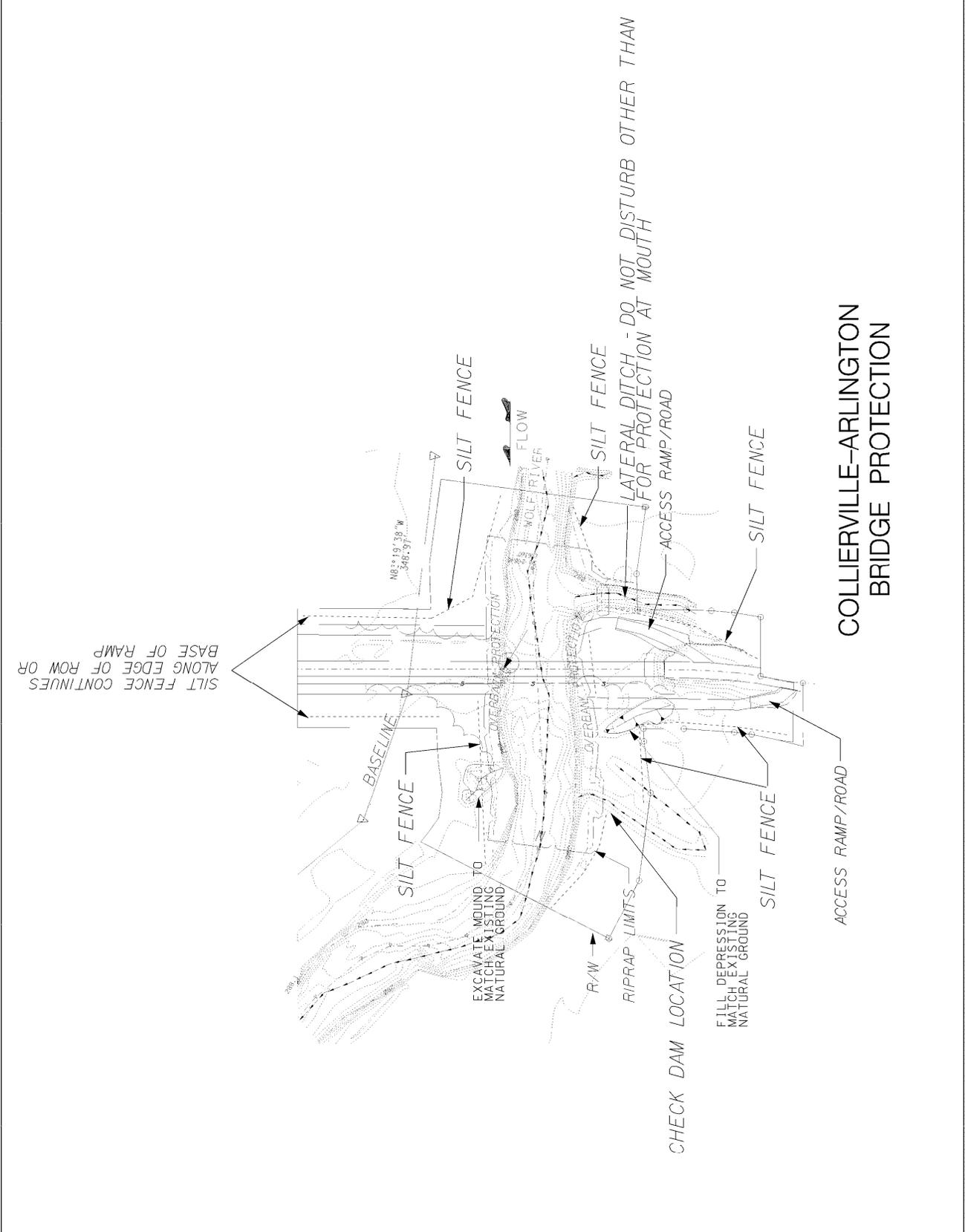
| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
|     |      |             |
|     |      |             |
|     |      |             |
|     |      |             |



U.S. ARMY ENGINEERS  
CORPS OF ENGINEERS  
MEMPHIS DISTRICT  
MEMPHIS, TENNESSEE

WOLF RIVER AUTHORITY  
MEMPHIS, TENNESSEE  
MEMPHIS DISTRICT  
CORPS OF ENGINEERS  
U.S. ARMY ENGINEERS

DRAWING  
9



**COLLIERVILLE-ARLINGTON  
BRIDGE PROTECTION**

**BID SCHEDULE**  
**WOLF RIVER ITEM II CHANNEL STABILIZATION WEIRS**  
**SHELBY COUNTY, TENNESSEE**

| ITEM NO | SUPPLIES/SERVICES                | QUANTITY | UNIT               | UNIT PRICE | AMOUNT   |
|---------|----------------------------------|----------|--------------------|------------|----------|
| 0001    | Mobilization and Demobilization  | 1        | Lump Sum           | XXX.XX     | _____    |
| 0002    | Clearing, Grubbing, and Snagging | 1        | Lump Sum           | XXX.XX     | \$ _____ |
| 0003    | Excavation                       | 29,451   | Cubic Yard         | \$ _____   | \$ _____ |
| 0004    | Bedding Material                 | 7,114    | Net Ton (2,000 LB) | \$ _____   | \$ _____ |
| 0005    | Riprap "R-200"                   | 5,031    | Net Ton (2,000 LB) | \$ _____   | \$ _____ |
| 0006    | Riprap "R-2200"                  | 29,741   | Net Ton (2,000 LB) | \$ _____   | \$ _____ |
| 0007    | Gravel Surfacing                 | 747      | Net Ton (2,000 LB) | \$ _____   | \$ _____ |
| 0008    | B Grade Limestone                | 1,680    | Net Ton (2,000 LB) | \$ _____   | \$ _____ |
| 0009    | Corrugated Metal Pipe, 24-inch   | 40       | Linear Foot        | \$ _____   | \$ _____ |

**Amendment #0001**

|      |   |       |                |          |          |
|------|---|-------|----------------|----------|----------|
| 0010 | Corrugated Metal Pipe,<br>48-inch           | 96    | Linear<br>Foot | \$ _____ | \$ _____ |
| 0011 | Geotextile                                  | 3,360 | Square<br>Yard | \$ _____ | \$ _____ |
| 0012 | Rough Dressing,<br>Fertilizing, and Seeding | 1     | Lump Sum       | XXX.XX   | \$ _____ |
| 0013 | Environmental<br>Protection                 | 1     | Lump Sum       | XXX.XX   | \$ _____ |

**TOTAL ITEMS 0001 THRU 0013**      \$ \_\_\_\_\_

**Amendment #0001**