

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE 1 OF 11 PAGES
2. AMENDMENT/MODIFICATION NO. 0001	3. EFFECTIVE DATE 3/31/00	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)	
6. ISSUED BY Department of the Army Memphis District, Corps of Engineers 167 North Main Street, Rm B202 ATTN: CEMVM-CT Memphis, TN 38103-1894	CODE W38XGR	7. ADMINISTERED BY (If other than Item 6) CODE		
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(√)	9A. AMENDMENT OF SOLICITATION NO. DACW66-00-B-0010	
		×	9B. DATED (SEE ITEM 11) 3/8/00	
			10A. MODIFICATION OF CONTRACTS/ORDER NO.	
			10B. DATED (SEE ITEM 13)	
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.)

This solicitation for Item No. 1, Nonconnah Creek, Shelby County, TN and DeSoto County, MS, scheduled to open 11 APR 2000 at 2:40 p.m., is amended as follows:

(CONTINUED ON NEXT PAGE)

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)	

1. Following SECTION 00800, the following is added.

**ITEM NO. 1, NONCONNAH CREEK
MEMPHIS, TENNESSEE
STORM WATER POLLUTION PREVENTION PLAN
U. S. ARMY CORPS OF ENGINEERS, MEMPHIS DISTRICT**

1. SITE DESCRIPTION

1.1 Nature of Construction Activity

This project consists of clearing, grubbing, channel excavation, riprap placement at the channel mouth and at channel bendways upstream of River Port Road, and turfing of excavated channel side slopes and berms along approximately 1.3 miles of Nonconnah Creek in Shelby County, Tennessee.

1.2 Sequence of Major Activities

The work which will disturb soils consists of clearing, grubbing, channel excavation, deposition of excavated material, and riprap placement.

1.3 Area Affected

The total area within the right-of-way limits, which could be impacted by construction is approximately 50 acres; however, it is anticipated that only approximately 30 acres may be disturbed during construction.

1.4 Runoff Coefficient and Soils

The runoff coefficient immediately after construction is estimated to range between 0.10 and 0.30. Once the construction has been completed and the disturbed areas have been revegetated, the runoff coefficient should return to preconstruction conditions.

1.5 Site Map

A set of construction drawings showing the project location as well as indicated drainage patterns and approximate slopes before and after completion of construction will be located on the site at all times. Stabilization practices are expected to occur adjacent to the Nonconnah Creek channel. Stormwater will discharge from the construction area and the surrounding area into the Nonconnah Creek channel and then into the Mississippi River.

1.6 Receiving Water

The Mississippi River is located west of the project; however, stormwater is expected to be discharged into Nonconnah Creek and then to the Mississippi River.

2. EROSION AND SEDIMENT CONTROLS

2.1 Non-Structural Measures

2.1.1 General

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, top soil, and land forms outside the construction limits without special permission. 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 streams, waterbodies or wetlands.

2.1.2 Protection of Landscape

Trees, shrubs, vines, grasses, land forms 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, or wrapping with boards, or any other techniques.

2.1.3 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. To the extent feasible, channel side slopes, top of bank berms, and any other exposed surfaces shall be stabilized, by turfing, temporary seeding, mulching, fabric mats or other approved stabilization methods, as soon as possible after work in a particular area is completed or within 7 days on areas that will remain unfinished more than 30 calendar days. Clearing shall progress in reasonably sized increments as needed to use the areas developed.

2.1.4 Establishment of Turf

Turf shall be established as a permanent erosion control measure on all areas designated to receive turfing as shown on the plans. Should construction be halted, for any reason, temporarily or permanently, for more than 30 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

initiated as soon as possible, but in no case shall stabilization measures begin more than 7 days after construction is halted. Turf shall be established in accordance with the Contract Technical Specifications.

2.1.5 Seeding

If used, seeding shall be as specified in the Technical Specifications. Temporary seeding shall consist of grasses or grains appropriate for the season in which they are sown. A satisfactory method of sowing shall be employed, using approved mechanical power-driven 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 and resumed only when conditions are favorable or when approved alternative or corrective measures and procedures have been effected.

2.1.6 Mulching

If used, mulch shall be materials that do not contain noxious grass or weed seed that might be detrimental to the turfing being established or to adjacent farmland. Mulch shall be spread uniformly in a continuous blanket, using 2 tons per acre of straw mulch or 1,200 pounds per acre of wood cellulose fiber mulch.

2.2 Structural Measures

2.2.1 General

Temporary erosion and sediment control measures such as silt fences, check dams, and sedimentation basins shall be constructed as necessary and maintained until the project is complete and final stabilization is in effect, after which they shall be removed. Erosion and sediment control measures must be in place and functional before earth moving operations begin, and must be constructed and maintained throughout the construction period. If necessary for construction, temporary measures may be removed at the beginning of the work day, but must be replaced at the end of the work day; however, at no time will silt laden stormwater be allowed to discharge into adjacent streams, waterbodies or wetlands. All control measures shall be checked, and repaired as necessary, weekly in dry periods and within 24 hours after any rainfall of 0.5 inches within a 24 hour period. During prolonged rainfall daily checking and repairing is necessary.

2.2.2 Silt Fences

If used, silt fences shall be constructed along the toe and ends of each embankment and any other areas necessary to minimize the entry of erosive material into watercourses or wetlands. Fences shall be constructed of baled straw or other equivalent devices in accordance with the Standard Drawing 51/208.

2.2.3 Check Dams

Check dams shall be constructed across ditches, drains and swales using baled straw or equivalent devices to minimize sediment transport away from the site and into watercourses 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, water courses or wetlands. Dams shall be constructed in accordance with Standard Drawing 51/208.

2.2.4 Sediment Basins

Sediment from construction areas with 10 or more disturbed acres at one time, may be trapped in temporary or permanent sediment basins. After each storm, the basins shall be allowed to settle for 24 to 48 hours after which the accumulated water may be removed. In order to maintain basin effectiveness, accumulated sediment shall be removed when the depth of sediment reaches one-third of the depth of structure in any part of the pool. Discharge shall be controlled by paved weir, by vertical overflow pipe draining from the surface, or by a spillway protected by baled straw filter barriers in the spillway and at the outlet toe of the spillway. If pumps are used, the discharge shall be such that there is no deposition or sediment in streams or wetlands. The collected sediment shall be reused for fill on the construction site, or placed in a suitable disposal area and stabilized. If used, the basins shall provide at least 3,600 cubic feet of storage for each acre drained. Where such basins are not used, other equivalent sediment control measures are required. Basins shall be constructed in accordance with Standard Drawing 51/208.

2.2.5 Other Measures

Other temporary erosion and sediment control devices such as dikes, swales, and drains may be used as necessary or in lieu of the above mentioned measures provided they are consistent with Best Management Practices (BMPs) and approved by the Contracting Officer. These devices 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 paragraphs 2.1.5 and 2.1.6.

2.2.6 Velocity Dissipation Devices

Should drains or swales be used, they shall be constructed with velocity dissipation devices (check dams). These devices shall be removed after the erosive areas have been stabilized. Check dams shall be utilized in any other areas where required.

2.3 Records

A record of the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are

initiated and completed shall be kept by the Contracting Officer at the construction site at all times.

3. STORM WATER MANAGEMENT

In order to provide permanent storm water pollution protection, turf shall be established on all disturbed areas within the construction limits. Permanent turf shall be established in accordance with the Contract Technical Specifications. A specific individual shall be designated to be responsible for erosion and sediment controls.

4. OTHER CONTROLS

4.1 General

Construction activities shall be kept under surveillance, management and control to avoid pollution of surface and ground waters. Special management techniques shall be implemented to control water pollution.

4.2 Solid Wastes

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. All solid wastes shall be transported off the work site and disposed of in compliance with Federal, State and local regulations.

4.3 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.

4.4 Off-Site Vehicle Tracking

Off-site vehicle tracking of sediments and the generation of dust shall be minimized.

4.5 Washing and Curing Water

Waste waters directly derived from construction activities shall not be allowed to enter waterways. These waste waters shall be collected and placed in retention ponds where suspended material can settle out or the water evaporates so that pollutants are separated from the water.

5. STATE AND LOCAL PLANS

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.

6. MAINTENANCE

Minor maintenance of the Nonconnah Creek channel in this reach, such as minor erosion control, debris removal, and maintenance of turf, is the responsibility of the City of Memphis, Tennessee.

7. INSPECTIONS

7.1 General

Quality assurance 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 every seven (7) calendar days and within 24 hours of the end of a storm that is 0.5 inches or greater. 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 that they are operated correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of offsite sediment tracking.

7.3 Modification of Pollution Plan

Based on the results of the inspection in par.7.2, the site description identified in par. 1 and 2 of this plan shall be revised as appropriate, but in no case more than 7 calendar days following the inspection. Such modifications shall provide for timely implementation of any changes to the plan within 7 calendar days following the inspection.

7.4 Reports

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 (3) years from the date the site is finally stabilized.

8. DEFINITIONS

8.1 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.

8.2 Commencement of Construction

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

8.3 Drainage Swale

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

8.4 Check Dam

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

8.5 Final Stabilization

All soil disturbing activities at the site have been completed, and a uniform perennial vegetative cover with a density of 85% of the cover for the area has been established or equivalent stabilization measures (such as the use of mulches or geotextiles) have been employed.

2. SECTION 01025, page 7. Add paragraph 1.2.2(7) “Delivery by Barge”.

“(7) Delivery by barge

a. The unit of measurement for stone will be the ton (2,000 pounds). Quantities will be computed to the nearest whole ton.

b. Measurement shall be by displacement.

c. The Contractor shall furnish, not later than 5 days after receipt of notice to proceed, a list of barges, by name or number, which he anticipates using on this contract. Additional barge names or numbers shall be furnished during the progress of the work for any additional barges to be used. Displacement tables shall be furnished for any barge which has not already had displacement tables furnished and approved. The Contractor shall furnish with the barge displacement tables a drawing of the barge. The drawings shall show, as a minimum, the length, width, and depth of the barge and dimensions of the rake or rakes. Each such table shall have its accuracy certified by a person or firm, other than the Contractor, customarily performing this service and who has been approved by the Contracting Officer. Each table submitted shall show the name and/or number of the barge, the barge dimensions, the barge owner, the name of the fabricator, certification, and date of certification of the person or firm preparing the table. All new or modified barges shall be field checked for current dimension by the Contractor in the presence of the Government Quality Assurance Representative. Each table submitted shall contain, in parallel columns, the freeboard of the barge in feet and tenths from zero to the full depth of the barge, and the corresponding gross displacement to the nearest ton. After barge table(s) have been verified by the Government, they will be incorporated into the MVD Standardized Barge Tables. Stone shall not be unloaded from any barge for which a displacement table has not been previously furnished and approved until the day after the Contractor is advised of the Contracting Officer's approval of the displacement table for that barge.

d. Each barge shall be suitably marked with two displacement gaging lines on each side of the barge. Each gaging line shall be painted perpendicular to the edge of the barge and be no less than 4 inches wide and 1 foot long on both the deck and side of the barge. Barges with rakes shall have the displacement gage lines placed at each corner of the box section between the rakes. If a barge has a box end or ends, the gaging lines shall be placed approximately four feet from the box end.

e. The freeboard will be measured at the 4 gaging locations and the displacement determined by the use of the MVD Standardized Barge Tables from the average of these measurements. The displacement shall be determined before and after the barge is unloaded and the difference between these values shall be the quantity delivered.”

3. SECTION 02542, page 6. Two new paragraphs are added:

“3.3.3 Stockpiling of Riprap

Stockpiling of riprap shall be not closer than 50 feet from top bank.

3.3.4 Loading of Unused Material From Stockpiles(s)

The Contractor shall load all unused stone on trucks, weight this material, and this quantity shall be deducted from the barge displacement quantities. Unused stone at the site is property of the Contractor and shall be removed from the site.”

4. DRAWING NO. 3. Filter material below elevation 160 is eliminated.

5. A new drawing, “*STAGE HYDROGRAPHS MEMPHIS GAGE MILE 734.7*” is added.