

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES	
			J	1	11
2. AMENDMENT/MODIFICATION NO. 0001	3. EFFECTIVE DATE 16-Jul-2004	4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO.(If applicable)	
6. ISSUED BY US ARMY ENGINEER DISTRICT, MEMPHIS 167 N MAIN STREET B202 MEMPHIS TN 38103-1894	CODE W912EQ	7. ADMINISTERED BY (If other than item 6) <b>See Item 6</b>		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)			X	9A. AMENDMENT OF SOLICITATION NO. W912EQ-04-B-0007	
			X	9B. DATED (SEE ITEM 11) 23-Jun-2004	
				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. 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: (a) By completing Items 8 and 15, and returning <u>1</u> 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 <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.) This solicitation is for Pecan Point Relief Wells, Mississippi County, Arkansas, Mississippi River Levees - Construction, scheduled to open at 2:30 p.m., 27 July 04, is amended as follows:  1. Section 00700, Contract Clause 52.236-4 entitled "Physical Data" should be deleted in its entirety and the attached Physical Data clause is substituted therefor.  2. Section 00800 - Storm Water Pollution Prevention Plan is deleted in its entirety and the attached Storm Water Pollution Prevention Plan is substituted therefor.  3. Please add the following to the end of Section 00800 SP 1: "Paragraph h. All existing grass within the contract right of way shall be maintained by the contractor to a minimum height of no greater than 24 inches."					
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	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
_____ (Signature of person authorized to sign)		BY _____ (Signature of Contracting Officer)		17-Jul-2004	

SECTION SF30 - BLOCK 14 CONTINUATION PAGE

**SUMMARY OF CHANGES**

(End of Summary of Changes)

**The following items are applicable to this modification:**

SF 30 CONTINUATION PAGE

4. The attached forms, "Field Boring Logs", "Relief Well Pumping Test Report", "Relief Well Installation Report", "Sand Infiltration Test", and "Well Development Data", should all be added to the end of technical specification Section 2708 - Relief Wells.

**PECAN POINT RELIEF WELLS  
MISSISSIPPI COUNTY, ARKANSAS  
STORM WATER POLLUTION PREVENTION PLAN  
FOR STORM WATER GENERAL PERMIT  
U.S. ARMY CORPS OF ENGINEERS, MEMPHIS DISTRICT**

---

## **1.0 LOCATION AND NATURE OF ACTIVITY**

This project is located near Pecan Point, Arkansas in Mississippi County, Arkansas. The project will begin at levee mile 105/32+00 and extend to levee mile 116/51+00. The work consists of relief well installations, collector ditch excavation, outlet channel excavation, riprap placement, culvert installation and the repair/resurfacing of disturbed roads.

A set of construction drawings showing the project location and the details of installation of the wells collector ditches and outlet ditches will be located on the site at all times.

## **2.0 AREA AFFECTED**

The total area of the site, within the right-of-way limits, which will be impacted by construction, is approximately 123 acres.

## **3.0 CONTROL OF POLLUTANTS DURING CONSTRUCTION**

### **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 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 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 the Mississippi River, other water bodies or wetlands.

#### **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. 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 Temporary Erosion Control Devices Standard Drawing.

### 3.2.2 Silt Fences

If used, 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 the Mississippi River, other water bodies or wetlands.

### 3.2.3 Check Dams

Check dams shall be constructed across inlet ditches, drains and swales using baled straw or equivalent devices to minimize sediment entry into the Mississippi 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 Sediment Basins

Sediment from construction areas with 10 or more disturbed acres at one time shall 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 basins shall be pumped dry. 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. Overflow 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. The collected topsoil sediment shall be reused for fill on the construction site, and/or conserved for use at another site(s). 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.

### 3.2.5 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 paragraphs 4.1.3 and 4.1.4.

### 3.2.6 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.

## **4.0 CONTROL OF POLLUTANTS AFTER CONSTRUCTION**

### 4.1 ESTABLISHMENT OF TURF

#### 4.1.1 General

Turf shall be established as a permanent erosion control measure on any area which is 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 turfing 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.

## **5.0 RUNOFF COEFFICIENT, IMPERVIOUS AREAS, SOILS**

The runoff coefficient immediately after 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 consist of silt and silty sands with seams of fat and lean clays underlain by sand. For further information regarding soil borings contact the Memphis District Office of the U.S. Army Corps of Engineers or refer to the contract drawings.

## **6.0 RECEIVING WATER**

The receiving stream for the well water is Ditch #1. Ditch #1 flows through Joiner, Arkansas and eventually turns into Frenchman's Bayou, a tributary of the Mississippi River in Mississippi County, Arkansas.

## **7.0 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 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 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. Locations where vehicles enter or exit the site shall be inspected for evidence of off-site sediment tracking.

### **7.3 MODIFICATION OF POLLUTION PLAN**

Based on the results of the inspection in paragraph 7.2, the site description identified in paragraphs 1 and 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**

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.

## **8.0 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.

## **9.0 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 borrow material excavation, 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 with a density of 85 percent of the cover for the area has been established or equivalent stabilization measures (such as the use of mulches or geotextiles) have been employed.

**10.0 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., Chief, Eng. Division, COE (901) 544-3227  
Name & Official Title Phone No.

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

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

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

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

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

#### 52.236-4 PHYSICAL DATA (APR 1984)

Data and information furnished or referred to below are for the Contractor's information. The Government shall not be responsible for any interpretation of or conclusion drawn from the data or information by the Contractor.

- a. Weather Conditions. Information with respect to temperatures and precipitation may be obtained from the National Weather Service. Also see paragraph SP 14, "Time Extensions for Unusually Severe Weather".









