

Addendum 1  
Solicitation for Denton Creek Watershed Site 16 Rehabilitation

**Solicitation No. Bid 17-600-014 is amended as follows:**

The following information was reviewed with the contractors at the showing: Correction and Changes, Safety, Construction Specifications, Drawings, and the Site Visit. Questions and answers are attached.

**Changes and/or corrections:**

1. Change the following items on Construction Specification 5, Section 8, paragraph 6:
  - Remove the following:
    - Inspections will be conducted “bi-weekly” .... at the construction site.
  - Add the following:
    - Inspections will be conducted “weekly”.... at the construction site.
2. Change the following items on Construction Specification 26, Section 7.a.(2):
  - Remove the following:
    - The thickness of topsoil placed normal to the slope or approved surface shall be 6 inches.
  - Add the following:
    - Incorporate the topsoil into the upper 6 inches of all earthfills to promote vegetation establishment.
3. Change the following items on construction drawing TX-EN-0684, sheet 1, Note 3:
  - Add the following note:
    - The final access location shown at the site showing will have a historical area of trees to remain undisturbed on PR 2747. The Contractor shall locate an alternative route for heavy equipment approximately that starts approximately 100 feet west of the pond alongside the access road. Some clearing may be required.
4. Change the following items on construction drawing TX-EN-0684, sheet 6:
  - Add the following note to the “Stabilized Construction Entrance Detail”:
    - The Contractor shall install a Class 1 non-woven geotextile layer under the stabilized construction entrance. The geotextile layer shall have 18” anchorage around all sides of the stabilized construction entrance.

**Special Contract Requirements**

**ARTICLE 41 – ACCIDENT PREVENTION AND SAFETY**

ACCIDENT PREVENTION AND SAFETY, SUPPLEMENT TO OSHA PART 1926 AND 1910 Construction Industry Standards and Interpretations

The Contractor shall comply with applicable OSHA safety regulations 1926. The Contracting Officer will notify the Contractor of any noncompliance with these requirements. If the Contractor refuses to comply with these requirements, all or part of the work may be suspended until corrective action is taken.

The Inspector and Project Engineer will have delegated authority to suspend work for any noncompliance with safety requirements that poses a serious or imminent danger to the health or safety of the public and/or personnel of the Contractor, NRCS, or local Sponsors.

The Supplement to OSHA 1926 and 1910 emphasizes several specific safety items which must be understood by the Contractor prior to bidding this job. Among these items are the requirements for:

1. Written plan for accident prevention and safety (CO must approve prior to beginning work).
2. First aid certificates
3. First aid facilities
4. Safety Meetings, weekly "tool box" and monthly
5. Dust control
6. Rollover protective structures
7. Backup alarms
8. Restroom Facilities
9. Hard Hat Sign must meet supplement requirements.

Hard hats shall be worn on the job site at all times and equipment shall be outfitted with working backup alarms, seat belts, and approved roll-over protective structures.

All equipment shall be inspected by the NRCS Construction Inspector prior to use on the project. Equipment shall be inspected at the job site.

## **ARTICLE 18 – MATERIAL TO BE FURNISHED BY THE CONTRACTOR**

Certificates and test data shall be submitted to show compliance of materials and construction specified in the contract requirements. Materials or equipment for which samples, certifications or test data are required shall not be used in the work until approved in writing by the COR.

Materials which require material certifications are: Sediment Filters, Geotextile, Rock Riprap, Drainfill, and Vegetation.

## **CONSTRUCTION SPECIFICATIONS**

There are two types of specifications in this contract: (1) Construction Specifications and (2) Material Specifications. The construction specifications are composed of two parts. The first part is called the closed specification and is the standard NRCS construction specification that begins with the SCOPE and ends with MEASUREMENT AND PAYMENT or PAYMENT. The second part is called the open specification and consists of the ITEMS OF WORK AND CONSTRUCTION DETAILS that are written specifically for this job.

Special emphasis items are covered below.

## **Denton Creek Site 16**

### **CLEARING AND GRUBBING 2**

Subsidiary Item: Earthfill, Class A Compaction, Auxiliary Spillway and Site Preparation. The Contractor shall remove and dispose of all vegetation within the work limits required for the implementation of the works of

improvement as shown on the drawings. Removed vegetation shall be burned or buried onsite and shall conform to all state and local regulations.

### STRUCTURE REMOVAL 3

Subsidiary Item: Mobilization and Demobilization. The Contractor shall be responsible to remove and salvage all designated fences as shown on the construction drawings. The items shall be removed to the bottom of the footing and/or post. After completion of the project, the fences shall be replaced in the same location, to pre-existing or better conditions.

### POLLUTION CONTROL 5

General. A SWPPP is required for this site (copy included in contract). A SWPPP (SWP3) has been prepared and shall be amended by Contractor to include a detailed work sequence outline which defines and delineates the Contractor's construction operation and major earthwork starting and ending times. A copy of the approved SWP3, as amended, will be maintained at the construction site by the Contractor. A copy of the TPDES permit shall be attached to the SWP3. All applicable TCEQ rules and regulations concerning the TPDES and the SWP3 shall be followed. Contractor is required to submit a NOI at least 5 business days before work commences and a NOT when the contract is complete.

**Bid Item 1.** Includes work required to accomplish the requirements of Section 1 (except installation of sediment filters) and to implement the SWP3 and maintain the SWPPP. Method 3 in Section 7 establishes lump sum payment for this work which is prorated in equal monthly payments.

**Bid Item 2.** The sediment filters (silt fence filters) shall be installed as per SWPPP requirements and per Section 8.b. and the Drawings (see sheet 5). Method 1 in Section 7 establishes the payment by the unit price installed.

### SEEDING SPRIGGING AND MULCHING 6

**Bid Item 3.** Contractor required to prepare seedbed, furnish and apply seed, hay mulch, tackifier (or crimp) and fertilizer. The grass seed shall be drilled or broadcast onto a firm, clean seedbed. Only areas not accessible to drilling equipment may be broadcast by hand.

A good quality Hay Mulch of coastal bermudagrass or native bluestem mix, is required on all areas sprigged. Hay mulch application rate is 2.5 tons per acre. The hay mulch shall be stabilized by a nonasphaltic tackifier and shall be applied at a rate of 40 pounds per acre, or by mechanical crimper as described in Section 5 of CS 6, if the safety criteria can be meet, the safety criteria is to provide an anchor tractor and tie off of equipment operating on slopes greater than 3:1.

### CONSTRUCTION SURVEYS 7

**Bid Item 4.** The surveys that are required to be conducted by the Contractor are specified in Section 5 (Method 2). Note the Contractor is responsible for the layout of all the work. Also the Contractor is responsible for checking (blue topping) all work as work progresses. The Contractor shall also submit for approval in writing the name, qualifications and experience of the surveyor personnel for approval prior to commencement of work to the Contracting Officer.

Per 9.a.(2) Initial and final cross sections have been previously surveyed for the calculation of quantities. - provided no other changes are made from the planned lower limits of excavation.

Per 9.a.(3), benchmarks set or established by the Government include: coordinates shown on Sheet 1 of Drawings. These are marked by iron pins or monuments.

### MOBILIZATION AND DEMOBILIZATION 8

**Bid Item 5.** Access road to the camp site and work area shall be as shown on the drawings unless otherwise designated by the CO, and shall be constructed and maintained in a smooth, rut-free condition throughout the contract period. The Contractor shall be required to install any improvements required for site access. Culverts shall be installed at crossings of low areas where significant concentrations of runoff water accumulate and causes ponding of water. Note requirements on Drawing Sheet 6 for Contractor's responsibilities for installing a rock stabilized entrance. Work includes Demobilization, and some of these items are described. All fencing removed to allow construction access shall be restored to equal or better than pre-construction conditions.

Section 3 PAYMENT it states, "Payment will be made as the work proceeds, after presentation of paid invoices .... by the Contractor showing specific mobilization and demobilization costs and supporting evidence of the charges of suppliers, subcontractors, and others." You may be asked to provide proof of the total direct cost. You will have to submit paid invoices for the purchase of bonds and mobilization supplies in order to be reimbursed for these items prior to the final payment. Payment for work in this item shall be made in BID ITEM 4: Mobilization and Demobilization, including all work for Structure Removal and Traffic Control which is subsidiary to this bid item.

### TRAFFIC CONTROL 9

Subsidiary Item: Mobilization and demobilization. This item of work requires the contractor to establish and maintain traffic control at access points to the work. The Contractor shall furnish a written plan to be approved by the NRCS Engineer.

### REMOVAL OF WATER 11

Subsidiary Item: Excavation, Common, Auxiliary spillway and Site Preparation. This item of work requires the contractor to submit written plans for diverting the surface water and dewatering the construction site are required before beginning construction. The Contractor is responsible for accomplishing the work as specified. The Contractor shall be responsible for damage to the slide gate and appurtenances during the contract period. The functionality of the slide gate is unknown.

### EXCAVATION 21

There is no guarantee that materials obtained from the specified excavations may be used directly in the specified fills. Stockpiling of excavated materials to be used in the specific zones of the fill shall be required (to insure their availability). The disposal of excavated material shall include transporting, depositing, and spreading the materials on the designated fill or waste areas. Any excavation around the principal spillway vicinity shall not be closer than 2 feet above the pipe and its appurtenances at all times. Any damage to the principal spillway system during the construction activity will be the responsibility of the contractor to repair at their time and expense.

**Bid Item 6.** This item shall consist of all required excavations in the auxiliary spillway to construct the prepared subgrade as shown on the drawings. The measurement and payment method in Section 9 is Method 2. The neat lines and grades shown on the drawings shall be considered the true surface of the completed excavation unless otherwise approved by the Engineer.

Excavation, Common, Borrow - Subsidiary Item: Earthfill, Class A Compaction, Auxiliary Spillway. This item shall consist of all excavation from within the borrow areas required to complete the specified earthfills as designated on the drawings. Primary borrow for the auxiliary spillway shall be from the spoil located downstream of the auxiliary spillway and outlet channel, and secondary borrow shall be from the excavations required for the plunge basin or as shown on the drawings. Borrow excavation shall not be measured.

Excavation, Common, Foundation Stripping - Subsidiary Item: Excavation, Common, Auxiliary Spillway and Site Preparation. This item shall consist of removing all weeds, grass, roots, and soils containing vegetative or organic material from the ground surface prior to placing earthfill.

### EARTHFILL 23

**Bid Item 7.** This item shall consist of all earthfill and backfill required to reconstruct the auxiliary spillway to the lines and grades shown on the drawings. Class A compaction is required, in-place dry density of materials being placed shall not be less than 95 percent of the maximum dry density obtained during tests performed in accordance with procedures contained in ASTM Designation D-698, using Method A, B, or C. Placement moisture shall be from optimum upward to +4% as determined from the above test. In Section 4 Placement, fill shall not be placed until the required excavation and foundation preparation have been completed and the foundation has been inspected, surveyed and approved by the Engineer. Fill shall be placed in horizontal layers, not to exceed a maximum of 9 inch thickness. Note the processing requirements including the disk blade size.

This item shall also consist of providing and installing the ASTM C-33 fine drainfill from the strip drain outlet at the location and the extents shown on the drawing. Fine drainfill shall meet the requirements of Material Specification 521.

For measurement and payment in section 9, Method 3 and 6 will apply.

### TOPSOILING 26

Subsidiary Item: Earthfill, Class A Compaction, Auxiliary Spillway, Site Preparation, and Shaping and Smoothing. This item requires the Contractor to salvage topsoil from required excavations, stripping operations, and from the borrow area.

### ROCK RIPRAP 61

**Bid Item 8.** This item includes furnishing and placing loose rock riprap as required for the plunge basin as shown on the drawings. Rock Riprap Gradation requirements are shown on Drawing Sheet 4. The Contractor shall provide written notice of proposed source of rock at least 5 working days before delivery, and shall provide a certified gradation analysis from the rock quarry. Note the testing requirements in Material Specification 523 and the methods required for the soundness test. Rock Type 1 is required. The riprap may be equipment placed. Equipment shall not be allowed on the rock during or after placement. Statement-of-delivery ticket showing weight to the nearest 0.1 ton is required and shall be furnished to the Inspector at the time of delivery. Delivery of rock is allowed only during regularly scheduled work hours. For measurement and payment of this item in section 7, Method 1 shall apply.

## CONTRACTOR QUALITY CONTROL 94

**Bid Item 9.** This item consists of furnishing all equipment, tools, materials, and labor to perform all work as defined in the specifications. In Sections 3 and 4, Method 2 shall be used. This requires the quality control activities to be performed by competent personnel who are separate and apart from the line supervision and who report directly to management. Names of quality control personnel and their duties, qualifications, certifications, and authorities are required and shall be submitted to the CO for approval. A written plan (quality control system) must be submitted to the CO for approval within 10 calendar days after notice of award. Daily QC reports are required to be submitted to the Inspector. Any testing done by the CLO is for the sole benefit of the CLO. It is the Contractor's responsibility to perform tests to prove and ensure that all work performed meets the contract requirements. All tests shall be conducted in accordance with the appropriate ASTM method and with equipment that meets the requirements of the specified ASTM test method. Contractor's scheduling of construction activities may require more than one on-site quality control inspector (note the degree of quality control specified). Digital photos documenting the work are required with automatic imprinting of time and date as specified.

## GEOTEXTILE 95

**Bid Item 10.** This item consists of furnishing and placing the geotextile under the rock riprap as shown on the drawings. Per Section 5, Method 2, geotextile shall be secured in place with pins and overlap shall be 18 inches. Non Woven Class I as defined in Material Specification 592, Table 592-2. For payment and measurement in section 6, Method 1 shall apply.

## SITE PREPARATION 420

**Bid Item 11.** This item consists of the earthwork required for the construction of the rock riprap lined plunge basin and outlet channel shaping as shown on the drawings. The class of site preparation is based on quantities derived from preliminary survey data. All low density materials shall be excavated and placed in the designated waste areas as described in section 3. The finished earthfill surface shall have 6 inches of topsoil placed uniformly over the surface as shown on the drawings. Payment will be made by the lump sum and will not be measured.

## SHAPING & SMOOTHING 446

**Bid Item 12.** This item consists of the areas designated as shown on the drawings. For payment and measurement in section 5, the area will be measured to the nearest 0.1 acre.

### Site Visit

Items designated at the site visits included: Construction entrance, access route with alternate route for rock trucks and heavy equipment, construction campsite area, stockpile area, borrow areas, areas for shaping and smoothing, areas for excavation and earthfill, and the plunge basin

### Drawings

Drawing TX-EN-0684, Sheets 1 thru 6 were reviewed.

## **Questions and Answers:**

### **General**

1. Are we required to work on all sites at the same time?
  - a. Only Sites 23A and 23B are designated to be worked concurrently. However, if you are awarded the contract on multiple sites, you are expected to work on them once the NTP has been issued.
2. Where is the site prep classifications?
  - a. See Construction Specification 420, Section 2.
3. Is CQC required only for testing?
  - a. See Construction Specification 94 Section 10.a.(7) and 10.a.(8)
4. Is CQC required for daily reports?
  - a. Yes, the Contractor's quality control designated personnel must submit daily QC reports to the NRCS Inspector.
5. Is CQC required to be on site at all times?
  - a. See Construction Specification 94 Section 10.a.(7)
6. Is geotextile required under rock riprap?
  - a. Yes
7. Is geotextile required under stabilized construction entrance?
  - a. Yes
8. Are work days calendar days?
  - a. See Part II (General Conditions), Article 20 – Workweek.
9. What are the liquidated damages for these site?
  - a. See Part II (General Conditions), Article 9 (g) – Liquidated Damages.
10. Do the slide gates work?
  - a. The functionality of the slide gates is unknown (Tom Goode).
11. Is pumping required for water removal?
  - a. See Construction Specification 11 Section 8.a.

### **Site 16**

12. Site 16 – Is the already damaged A.S. fence to be reconstructed?
  - a. See Sheet 1 of the Drawings.
13. Site 16 – Is the C-33 fine sand something that the Contractor needs to import from off-site, or from the borrowed material?
  - a. The Contractor shall provide the sand from an offsite location. See Construction Specification 23 Section 10.a.(2)

**This amendment shall be attached to and become a part of the solicitation. Failure to acknowledge receipt of this amendment may render your bid non-responsive.**