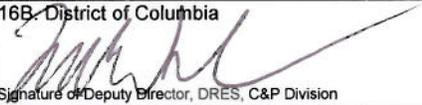
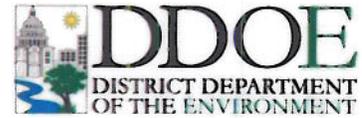


AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. Contract Number	Page of Pages 1 12	
2. Amendment/Modification Number RFQ706031- 01		3. Effective Date September 10, 2010		4. Requisition/Purchase Request No.	
5. Solicitation Caption Erosion Control and Low Impact Development (LID) Installation at Takoma Community Center					
6. Issued By: Diane Wooden, Contracting Officer Department of Real Estate Services Contracting and Procurement Division 2000 14th Street, NW, Fifth Floor Washington, DC 20009			7. Administered By (If other than line 6) Department of Real Estate Services Contracting and Procurement Division 2000 14th Street, NW, Fifth Floor Washington, DC 20009		
8. Name and Address of Contractor (No. Street, city, country, state and ZIP Code)				9A. Amendment of Solicitation No. RFQ 706031	
				X 9B. Dated (See Item 11)	
				10A. Modification of Contract/Order No.	
				10B. Dated (See Item 13)	
Code		Facility			
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 <input checked="" type="checkbox"/> is extended. <input type="checkbox"/> 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 _____ copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or fax which includes a reference to the solicitation and amendment number. FAILURE OF YOUR ACKNOWLEDGEMENT 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 letter or fax, provided each letter or telegram 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 27 DCMR, Chapter 36, Section 3601.2.					
C. This supplemental agreement is entered into pursuant to authority of:					
D. Other (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copy to the issuing office.					
14. Description of amendment/modification (Organized by UCF Section headings, including solicitation/contract subject matter where feasible.) The Subject solicitation is hereby amended as follows: 1. The due date is changed from 09/13/09 to 09/16/10 at 4:00 PM 2. Amendment 1 - Attachment A: Revise Scope of Work & Figure 2 3. Amendment 1 - Attachment B: Site Visit Sign in Sheet 4. All other requirements remain the same					
15A. Name and Title of Signer (Type or print)			16A. Name of Deputy Director, DRES, C&P Division Wilbur C. Giles		
15B. Name of Contractor		15C. Date Signed	16B. District of Columbia 		16C. Date Signed 9/10/10
(Signature of person authorized to sign)			Signature of Deputy Director, DRES, C&P Division		



GOVERNMENT OF THE DISTRICT OF COLUMBIA

ATTACHMENT A

REVISED* STATEMENT OF WORK

FOR

DISTRICT DEPARTMENT OF THE ENVIRONMENT

WATERSHED PROTECTION DIVISION

EROSION CONTROL AND LOW IMPACT DEVELOPMENT (LID)

INSTALLATIONS AT TAKOMA COMMUNITY CENTER

300 VAN BUREN STREET, NW

WASHINGTON, DC 20011

September 10, 2010

Note: Additions and ~~Deletions~~

Takoma Community Center Erosion Control Project

1. SCOPE OF WORK

The purpose of this project is to prepare contract documents (drawings and specifications) suitable for obtaining bids for the construction of erosion control measures and low impact development (LID) practices at Takoma Community Center.

The District Department of the Environment, Watershed Protection Division (DDOE) will coordinate the design of erosion control measures and LID features to be installed at Takoma Community Center, located at 300 Van Buren Street, NW, Washington, DC 20011. The site is currently subject to severe erosion, and the soil and associated runoff are conveyed via area streets and catch basins to the District's combined sewer system. During large storm events, this system overflows and discharges sewage and other pollutants to surrounding waterways. Reducing the amount of stormwater and sediment that leaves the site is therefore critical to improving and maintaining the health of the District's watersheds.

2. BACKGROUND

Takoma Community Center is located at 300 Van Buren Street, NW and is in the Piney Branch Sewer System (CSO 049). The facility, which covers approximately 24 acres, is owned by the District of Columbia and managed by the District Department of Parks and Recreation (DPR). Much of the ground cover on the property is severely denuded and eroded (see Figure 1). The soils in these areas, as well as those with vegetation, are highly compacted, which limits infiltration of rainfall and contributes to erosion. One goal of this project is to improve infiltration and thereby increase groundwater recharge in this upland area of the Rock Creek-Potomac River Watershed. Erosion is most evident in the area north of Van Buren Street between 3rd and 4th Streets. Soil has been transported down the slope on either side of the stairs leading to the Recreation Center, clogging catch basins and contributing to the ponding of water during rain events.

~~In order to facilitate infiltration, areas of compacted soil will be deep-tilled (tillage at depths of more than 12 inches designed to shatter soil at that depth). These areas will then be planted with trees and native shrubs and vegetation. Other project requirements include the removal of impervious surfaces as well as the installation of a small permeable parking area for maintenance vehicles.~~

~~Improved infiltration, however, must not come at the expense of the recreational purpose of the community center. Erosion control measures and LID features must therefore be installed such that the open spaces remain suitable for recreational activities. A second goal of this project, then, is to introduce innovative solutions and technologies to make this possible, e.g., permeable grass paving systems that can withstand both intensive and extensive use. While these technologies must be effective, they must also be relatively low-cost and sustainable. Priority will be given to the more cost-effective installations proposed by the Contractor.~~

The scope of this project is to produce design plans and a bid package, including permits, that can be provided to a contractor for construction (construction will be bid under a separate RFQ). There are three major goals associated with the overarching project, namely (1) to reestablish the grade at the top of the stairs to its historical elevation (when the stairs were installed), as best as can be determined by the structure of the stairs and immediate area; (2) to stabilize the erosion on

Takoma Community Center Erosion Control Project

the slope to either side of the stairs, preferably using innovative technologies such as SmartSlope or similar that can be used as a demonstration project; and (3) to retrofit the concrete swales to the north and south of the path at the toe of the stairs with bioretention facilities that connect to the existing storm sewer system (see Figure 2). Designs for the first goal are not required, however a general approach to its construction shall be included in the construction bid package as outlined in Task 5.

3. PROJECT TASKS

Task 1 – Determine Current Site Characteristics and Select Sites for Project

~~As stated in the Background section of this scope of work, a variety of techniques and installations are to be included in this project, and Figure 2 displays those suggested by DDOE. These include deep-tilling of compacted soil, tree planting, bioretention, rainwater harvest (cisterns), and permeable paving, among others. However, this is by no means an exhaustive list. The Contractor is to survey the potential project sites. The Contractor is to identify all existing conditions needed to develop the design plans. In addition, the Contractor is to:~~

- ~~• Identify potential project locations using Figure 2 as a guide[†]~~
- Determine in-situ soil conditions including soil type, water table and permeability below proposed bioretention depth
- Delineate potential drainage area for each bioretention facility
- Survey elevations and demonstrate gradients required to connect bioretention facilities with drainage areas
- Provide water budget calculations provided by each drainage area
- Provide water demand calculations required for each bioretention facility

The specific areas of concern and limit of work are shown in Figure 2. Note that a site survey and the delineation of drainage area extend beyond the depicted limit of work.

A summary of the proposed design approach and a proposed project schedule shall be submitted as a Project Work Plan within two weeks of the Notice to Proceed.

Task 2 – Thirty (30) Percent (Conceptual) Design

The Contractor will develop 30 percent design plans for the selected approach and prepare a Conceptual Design Report. The conceptual design will demonstrate that the selected erosion control measures and LID practices meet the project objectives and are feasible to implement at the project site. If DDOE determines that costs for the proposed technologies (as presented in Task 2.2) exceed the budgeted amount, it reserves the right to install a portion of the technologies using in-house resources, e.g., having staff plants trees or deep-till soil.

[†] ~~The Contractor will give special consideration to controlling erosion in the vicinity of the stairwell (including cleaning of the clogged storm drain inlets), located north of Van Buren St between 3rd and 4th Sts. This area has been identified as a priority by community members.~~

Takoma Community Center Erosion Control Project

Task 2.1 – Permit Preparation

In preparation for the project permit process, DDOE, DPR, and other concerned District agencies (“Partners”) will coordinate with the Contractor to complete the following tasks:

- Identify the required permits, appropriate regulatory agencies, and other project stakeholders
- Discuss any other special conditions that may influence permitting of the project
- Discuss any preliminary meetings that either party has held with permitting agencies
- Prepare a schedule for the tasks necessary to acquire all the project permits

Depending on the complexity of the project, the Contractor will consider conducting a meeting with the Partners and regulatory agencies to discuss the necessary project permits, permit process, and permit schedule. If there is a potential for the project to have historical, archeological, and/or rare, threatened and endangered species issues, the Contractor will submit an information request letter to the appropriate regulatory agency.

Bioretention and other stormwater management designs will require DDOE plan review process and completion of any necessary permit applications required for all applicable federal, state and local agencies (see DCWASA’s Project Design Manual, Volume 6, Local Codes and Permitting Guidelines). DDOE will not waive permits but will provide assistance in obtaining permits. However, obtaining the permits and all fees and associated costs are the sole responsibility of the Contractor.

Task 2.2 Conceptual Design Plans

The Contractor will prepare a set of conceptual design plans using AutoCAD or similar software. The plans will include:

- A general location map showing the work locations and adjacent roadways that will be used to access the site during construction
- Scaled map(s) of the project area showing existing conditions, utilities, and major topographic features such as roads and buildings
- Scaled map(s) of the project area showing proposed conditions including the bioretention facilities, ~~tree planting locations,~~ and type and location of other stormwater control structures. ~~shown in Figure 2, namely:~~
 - ~~Geogrid pathway~~
 - ~~Permeable paving parking area~~
 - ~~Cisterns~~
 - ~~Partially constructed bioretention, i.e., excavation, amended soil, and overflow structures, that will be planted by volunteers~~
 - ~~Deep tilling~~
 - ~~Soil stabilization under tree canopy that maintains current use~~
 - ~~Impervious surface removal, e.g., shuffleboard courts~~
 - ~~Rehabilitation in area of stairway, including erosion control and maintenance of clogged inlets~~
- Typical design cross sections

Takoma Community Center Erosion Control Project

The scaled map(s) will be developed from a topographic basemap and survey data compiled by the Contractor.

Task 2.3 Conceptual Construction Cost Estimate

The Contractor will prepare conceptual construction cost estimates for the proposed time of construction and consider potential factors that may influence the cost of materials and construction. The accuracy of the cost estimate will be within 35 percent of the actual construction cost. During subsequent design phases, the Contractor will refine the construction cost estimate. Any significant cost changes in subsequent design phases will require a written justification submitted to DDOE. The Contractor will prepare a conceptual level construction cost estimate that will provide an estimate of material quantities and unit price costs.

~~Costs for erosion control measures and LID practices will be provided as line items, i.e., each measure and/or practice will have associated costs listed. If DDOE determines that costs for the proposed technologies exceed the budgeted amount, it reserves the right to install a portion of the technologies using in-house resources, e.g., having staff plants trees or deep-till soil.~~

Task 2.4 Conceptual Design Submission Package

The Contractor will submit two (2) full-sized (i.e., 24 x 36 inches) hardcopies of the conceptual design plans to DDOE for review. After receiving written comments and/or mark-ups of the conceptual design plans from DDOE, the Contractor will provide a written response to DDOE discussing how the Contractor will address the comments on the conceptual design plans and incorporate the conceptual design comments/revisions into the ~~90~~70 percent design plans.

Task 3 – ~~Ninety (90)~~ Seventy (70) Percent Design

The purpose of the ~~90~~70 percent design plans is to update the 30 percent design plans to address agency comments and to submit ESC plans for permitting. The ~~90~~70 percent design submission will include the revised construction specifications, the revised cost estimate, and the ~~90~~70 percent design plans.

Task 3.1 Permit Preparation

To facilitate the permit review process, the Contractor will consider scheduling another pre-application meeting with the regulatory agencies to review the ~~90~~70 percent design plans. If another pre-application meeting occurs, the Contractor will submit written responses to the regulatory agencies' comments/revisions to the ~~90~~70 percent design plans. The Contractor will also submit the written responses and documentations of any plan changes to DDOE.

Bioretention and other stormwater management designs will require DDOE plan review process and completion of any necessary permit applications required for all applicable federal, state and local agencies (see DCWASA's Project Design Manual, Volume 6, Local Codes and Permitting Guidelines). DDOE will not waive permits but will provide

Takoma Community Center Erosion Control Project

assistance in obtaining permits. However, obtaining the permits and all fees and associated costs are the sole responsibility of the Contractor.

Task 3.2 – ~~Ninety (90)~~ Seventy (70) Percent Design Plans

The ~~90~~70 percent design plans are a refinement of the 30 percent design plans. The ~~90~~70 percent design plans will include:

- Revised scaled map(s) of the project area showing existing conditions, utilities, and major topographic features such as roads and buildings
- Revised scaled map(s) of the project area showing proposed conditions including the bioretention facilities, ~~tree planting locations~~, and type and location of other stormwater control structures
- Typical design cross sections
- Design cross sections with existing topography and proposed grading
- ESC plans
- Standard structure details
- Structure (e.g., catch basins, manholes) tables with relevant structure elevations
- Planting plan
- Sequence of construction

Task 3.3 Erosion and Sediment Control

The erosion and sediment control (ESC) plans are not a separate set of plans and will be included in the design plans as part of ~~90~~70 percent design. The ESC plans will include, at a minimum:

- ESC cover sheet providing 2003 District of Columbia Standards and Specifications for Soil Erosion and Sediment Control language and legend
- ESC plan views for each phase of construction
- ESC standard detail sheets and notes taken from 2003 District of Columbia Standards and Specifications for Soil Erosion and Sediment Control guidelines
- Detailed narrative describing intent of project (or site information) and sequence of construction

The Contractor will refer to 21 DCMR § 538 for complete guidelines for ESC, which can be found at

http://os.dc.gov/os/frames.asp?doc=/os/lib/os/info/odai/title_21/title21_chapter5.pdf

It is suggested that the Contractor completes the ESC plans prior to the pre-application meeting with the regulatory agencies, because the meeting is an excellent opportunity to ask or respond to specific questions and obtain immediate feedback.

Task 3.4 Construction Specifications and Construction Cost Estimate

The Contractor will update the construction specifications and construction cost estimate, and provide written justifications for any significant changes to the cost estimate provided in the 30 percent design submission. ~~Costs for erosion control measures and~~

Takoma Community Center Erosion Control Project

~~LID practices will be provided as line items, i.e., each measure and/or practice will have associated costs listed. If DDOE determines that costs for the proposed technologies exceed the budgeted amount, it reserves the right to install a portion of the technologies using in-house resources, e.g., having staff plant trees or deep-till soil.~~

~~Task 3.5 – Ninety (90)~~ **Seventy (70)** Percent Design Submission Package

The Contractor will submit two (2) copies of the revised construction specifications and revised cost estimates, and two (2) full-sized (i.e., 24 x 36 inches) hardcopies of the ~~90~~**70** percent design plans to DDOE for review. After receiving written comments from DDOE, the Contractor will address the comments and finalize the revised specifications and revised cost estimates. The Contractor will provide DDOE with two (2) hardcopies and PDF files of the final revised specifications and revised cost estimates. After receiving written comments and/or mark-ups of the ~~90~~**70** percent design plans from DDOE, the Contractor will provide a written response discussing how it will address the comments on the ~~90~~**70** percent design plans and incorporate the ~~90~~**70** percent design comments/revisions into the 100 percent design plans.

Task 4 – One Hundred (100) Percent Design

The 100 percent design plans are a refinement of the ~~90~~**70** percent design plans. The Contractor should be aware that it might be required to make additional revisions to the 100 percent design plans and supporting documents by DDOE and the regulatory agencies during their project review. The 100 percent design plans will require the signature and stamp of a professional engineer licensed by the District of Columbia prior to the 100 percent design submission to DDOE.

Task 4.1 Permit Application(s)

The Contractor will schedule a permit application meeting with the regulatory agencies to review the 100 percent design plans. The Contractor will submit written responses to the regulatory agencies' comments/revisions to the 100 percent design plans. The Contractor will also submit the written responses and documentations of any plan changes to DDOE. The Contractor will submit five (5) hardcopies of the full-sized (i.e., 24 x 36 inches) 100 percent design plans and any other relevant supporting documentation to DDOE. DDOE will identify all the relevant permits for the restoration project. The Contractor will also prepare and submit any other relevant permits on behalf of DDOE. If there are regulatory agencies' comments/revisions following the submission of the permit application(s), the Contractor will submit written responses to the regulatory agencies' comments/revisions to the permit application(s) and 100 percent design plans. The Contractor will also submit the written responses and documentations of any plan changes to DDOE.

Bioretention and other stormwater management designs will require DDOE plan review process and completion of any necessary permit applications required for all applicable federal, state and local agencies (see DCWASA's Project Design Manual, Volume 6, Local Codes and Permitting Guidelines). DDOE will not waive permits but will provide assistance in obtaining permits. However, obtaining the permits and all fees and associated costs are the sole responsibility of the Contractor.

Takoma Community Center Erosion Control Project

Task 4.2 One Hundred (100) Percent Design Plans

If there are substantial comments on the ~~90~~70 percent design plans, the Contractor may want to submit two (2) prefinal proof sets of the 100 percent design plans as a final check before submitting final plans. Any changes that occur because of comments on ~~90~~70 percent design plans will be discussed with DDOE prior to submission of 100 percent design plans.

Task 4.3 Construction Specifications and Construction Cost Estimate

The Contractor will update the construction specifications and construction cost estimate, and provide written justifications for any significant changes to the cost estimate provided in the ~~90 percent design submission~~. ~~Costs for erosion control measures and LID practices will be provided as line items, i.e., each measure and/or practice will have associated costs listed. If DDOE determines that costs for the proposed technologies exceed the budgeted amount, it reserves the right to install some of the technologies using in-house resources, e.g., having staff plant trees or deep till soil.~~ 70 percent design submission.

Task 4.4 One Hundred (100) Percent Design Submission Package

The Contractor will submit two (2) copies, one (1) set of Mylars, PDF files of final construction specifications and final cost estimates on a CD, and seven (7) full-sized (i.e., 24 x 36 inches) hardcopies (if structures are connected to the sewer system, otherwise two (2) hardcopies are sufficient) and one (1) set of mylars of the 100 percent design plans that are signed and stamped by a professional engineer licensed in the District of Columbia to DDOE.

Task 5 – Prepare Construction Bid Packages

The Contractor will prepare construction bid packages with design documents for the erosion control measures and ~~low impact development (LID)~~ LID features to be installed. The design documents will include:

- Base maps from surveys and background information
- Contract plans and specifications including an operations plan for construction
- Identification of the locations and requirements for Contractor storage/lay down areas, access roads, and limits of construction
- All necessary permits from government agencies, which will be the responsibility of the design Contractor
- Traffic control plans as specified by DDOT, if required

A comprehensive operations plan will be developed by the Contractor. The operations plan will include an erosion and sediment control plan, tree protection specifications, an access road plan, identification of the Contractor lay down area(s), specified work zone limits, and safety regulations. The operations plan will address prevention of damage to lands outside of the accepted limits of disturbance.

The operations plan will also address the timing of each phase of construction, and specify the size and type of materials and machinery needed for the project work. To the extent possible, any

Takoma Community Center Erosion Control Project

specific methodologies required to reduce the environmental impact of the project work will be provided, e.g., performing earthwork/excavation by hand rather than using machinery, using rubber-tracked vehicles, or placing materials to reinforce land to be driven on by heavy machinery. Access points must be approved by all agencies involved.

Task 6 – Progress Meetings

As a part of the development of the bioretention and other stormwater management designs, the Contractor will meet with the DDOE project manager on a monthly basis to review the status of the design work and address any issues that have arisen since previous meetings. Minutes of each meeting will be prepared and circulated by the Contractor.

The Contractor will need to provide four (4) submittals at the schedule listed below. All agencies shall have sufficient time and number of copies to review and comment based on their appropriate area of authority as outlined in the Memorandum of Understanding (MOU). The Contractor will hold progress meetings every other month with all agencies involved or as necessary to complete the work.

Project Work Plan	2 weeks after Notice to Proceed (NTP)
30% Design Submittal	2 months after NTP
90 70% Design Submittal	4 months after NTP
Final Design Submittal	After all permits approved

4. REQUIREMENTS

4.1 Prior Low Impact Development Experience

Submissions must include descriptions of at least five completed bioretention/LID designs/installations

For each provide the following information:

- Project name
- Client name and contact information
- Project date of installation
- Project cost

4.2 Permitting

Demonstrate familiarity with the permitting process.

5. INSURANCE

The Consultant shall submit a certificate of insurance giving evidence of the required coverages prior to commencing work. All insurance shall be written with responsible companies licensed by the District of Columbia's Department of Insurance, Securities and Banking. The Consultant shall require all subconsultants, if any, to carry the insurance required herein, or Consultant may, at its option, provide the coverage for any or all subconsultants, and if so, the evidence of insurance submit shall so stipulate. All insurance provided by the Consultant as required by this section, except comprehensive automobile liability insurance, worker's compensation, and professional liability shall set forth the

Takoma Community Center Erosion Control Project

District as an additional insured. In no event shall work be performed until the required certificates of insurance have been furnished. The insurance shall provide for 30 days prior written notice to be given to the District in the event coverage is changed, canceled or non-renewed in a way that makes coverage not compliant with the requirements of this contract agreement. If the insurance provided is not in compliance with all the requirements herein, the District maintains the right to stop work until proper evidence is provided.

- A. Commercial General Liability Insurance, \$1,000,000 limits per occurrence, District added as an additional insured.
- B. Automobile Liability Insurance, \$1,000,000 per occurrence combined single unit.
- C. Worker's Compensation Insurance according to the statutes of the District of Columbia, including Employer's Liability, \$100,000 per accident for injury, \$100,000 per employee for disease, \$500,000 policy limit disease.
- D. Umbrella/Excess Liability Insurance, \$5,000,000 limits per occurrence.
- E. Professional Liability Insurance, \$1,000,000 limits per claim (note: such insurance is typically called medical malpractice insurance for doctors, professional liability insurance for lawyers and nurses, and errors and omissions liability insurance for all other "professions" with a professional liability exposure).

6. PERIOD OF PERFORMANCE

The period of performance for this project is Nine (9) months from Notice to Proceed (NTP).

7. CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)

The COTR for this project is

*Mr. Stephen Reiling
Department of the Environment
1200 First Street, NE
Washington, DC, 20002
stephen.reiling@dc.gov
202-442-7700*

8. CONTRACTING OFFICER

The Contracting Officer for this project is

*Diane Wooden
Department of Real Estate Services (DRES)
Contracting and Procurement Division
2000 14th Street, N.W. - 5th Floor
Washington, D.C. 20009
202-671-2405*

Fig. 2 Takoma Community Center Erosion Control Project Sites

