



OFFICE OF THE PURCHASING AGENT

TOWN OF ARLINGTON
730 Massachusetts Avenue
Arlington, MA 02476

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DATE: August 12, 2020

TO ALL BIDDERS

BID NO. 20-37

SUBJECT: Improvements to the Arlington Town Hall Plaza

ADDENDUM NO. 2

TO WHOM IT MAY CONCERN:

With reference to the bid request relative to the above subject, please note the following:

SEE ATTACHED

ADDENDUM MUST BE ACKNOWLEDGED WITH BID SUBMISSION.

All other terms, conditions and specifications remain unchanged.

Very truly yours,

Town of Arlington

Domenic R. Lanzillotti
Purchasing Officer

ADDENDUM NO. 2

TO WHOM IT MAY CONCERN:

Please find the following items to be incorporated into the above referenced Contract, as **Addendum No. 2**. Acknowledgement of this Addendum is required in the **BID FORM**, Paragraph **B**. With reference to the bid request relative to the above subject, please note the following:

WRITTEN CHANGES TO THE SPECIFICATIONS

1. In the **Bid Form**,

ADD:

P. The Bidder is required to state below all work he/she and his/her subcontractors (if subcontractors are to perform substantial portions of the work) has completed related specifically to granite block salvage and reinstallation on projects of similar scope and value to that of the work included in the proposed Contract and to give references that will enable the Owners to judge the Bidder's experience, skill and business standing. The Bidder is required to provide a resume documenting at least 10 years' experience and list a minimum of 5 completed projects that are comparable in scope, complexity, and value. For each project, include the name, location, type, date complete, construction value, sample photographic documentation and owner contact.

(add supplementary page if necessary)

2. Please find the following attachment, **SECTION 32 14 40, GRANITE PAVERS AND STAIRS** to replace the Specification section 32 14 40, Granite Pavers, within the **TECHNICAL SPECIFICATIONS**.

QUESTIONS AND RESPONSES

1. **Question:** What are the specific brick pavers (manufacturer and type) to be matched?

Response: Contractor shall note the existing brick manufacturer and type to be matched are unknown, but on-site observations seem to indicate that the

existing bricks are Stiles and Hart, City Hall Pavers. Contractor shall match the existing pavers in size and color per the specifications, but all new brick pavers shall be wire cut and installed per the contract drawings.

- 2. Question:** Are the existing granite pavers mortared on concrete or set on a sand bed, and what is the joint treatment? (Mortar, polymeric sand, stone dust, hand tight?)

Response: Available record plans are grainy, but provide some indication that the granite pavers are set on a concrete slab and mortar setting bed. With on-site observation, it is clear that the pavers have experienced movement over time and many joints are worn away and missing, allowing for weeds to grow between pavers.

- 3. Question:** The area designated to stockpile the granite steps and pavers on the plans is pretty small for the amount of material that would need to be stored there. Would it be possible to use this area for the steps and stockpile the pavers around the flagpole plaza to the right of the front entry?

Response: The Contractor shall assume a larger area for stockpile will be made available during construction; a plan shall be submitted by the awarded contractor for review and approval by the Owner and Owner's Representative. The designated area may include the grassy area near the black walnut in the parking lot, or the flagstaff area.

- 4. Question:** There are 4 steps that are chipped on the corner. Do you want us to price replacing these with new?



Response: The Contractor shall mark the four chipped stair treads and stockpile them for reinstallation. These treads shall be switched with treads located against either cheek wall such that the cracked corners are located

directly adjacent to the cheek wall. The Contractor shall notify the Owner's Representative for review and approval in the field prior to mortaring these treads in place.

5. **Question:** The flush granite curbing at the lower plaza is in tough shape and should be replaced, but it does not mention that on the plans. Please clarify what they would like to do here.

Response: The Contractor shall note 'flush granite curbing' in the lower plaza is referred to on the plans on Sheet L2.01 with the hatch 'R&D EX. GRANITE PAVERS THAT CRACKED... OR DAMAGED IN ANY WAY' and on Sheet L3.01 with the hatch 'NEW GRANITE PAVER TO MATCH EXISTING (STONY CREEK GRANITE - FLAMED FINISH), SEE SPECS. Detail 4 on Sheet L5.01 describes the granite paver profile and Detail 1 on Sheet L5.03 shows how the granite paver meets the brick inlay in the lower plaza.

6. **Question:** Is there a designated area for contractor parking in the town hall parking lot or elsewhere?

Response: The Town will provide designated parking on either Mass Ave or Academy Street during work hours.

7. **Prebid Conference Attendees:**

Name	Company	Email
Cassie Bethoney	Weston & Sampson	bethoneyc@wseinc.com
Mark McCullough	MJM Masonry	mark@mjmmasonry.com
John Belko	Belko Landscaping	john@belkolandscaping.com
Colby Hurd	Quirk	mark@quirkcorp.com

ADDENDUM MUST BE ACKNOWLEDGED WITH BID SUBMISSION

SECTION 32 14 40

GRANITE PAVERS AND STAIRS

PART 1 – GENERAL

1.01 WORK INCLUDED:

- A. The work to be performed under this Section consists of the furnishing of all labor, materials, equipment and transportation required to install granite and refurbished granite features as shown on the drawings, detailed and as specified under this item, including granite pavers and granite stair treads.
- B. Any references to “granite set pavers” or “granite pavers” contained on the drawings and details shall relate to this specification section.

1.02 DEFECTIVE WORK OR DAMAGED REFURBISHED GRANITE

- A. Any piece of granite showing manufacturing flaws upon receipt at the project site shall be referred to the Owner’s Representative for determination as to whether it shall be rejected, patched or redressed for use.

1.03 RELATED WORK:

- A. Section 01 33 23, SUBMITTALS
- B. Section 31 00 00, EARTHWORK

1.04 REFERENCE STANDARDS AND SPECIFICATIONS

- A. Reference to the standards, specifications, and test of technical laboratories, societies, organizations, and/or governmental bodies shall be considered to be a part of these specifications and contract.
 - 1. ASTM - American Society for Testing Materials.
 - 2. National Building Granite Quarries Association, Inc.

1.05 SUBMITTALS:

- A. The granite supplier shall submit shop drawings for approval in coordination with Section 01 33 23, Submittals.
- B. Shop Drawings shall show all paver and stair tread dimensions and identify the individual pavers and stair treads required to complete the work at the site entrance thresholds as designated on the drawings. No final sizing or finishing of granite

pavers shall be done until the shop drawings for that part of the work have been approved.

1.06 SAMPLES:

- A. Prior to ordering any materials, the Contractor shall submit representative granite samples to the Owner's Representative for selection and approval. Do not order materials until Owner's Representative's approval has been obtained. Delivered materials shall exactly match the approved samples.

1. Granite Pavers and Stairs

The Contractor shall submit six (6) granite samples to show the texture, finish, and full range of color variation that can be expected in the finished work. Identify both the quarry and fabricator (if different) for all the granite features specified under this section.

2. Granite Paver Sample Panels

Construct two (2) sample panels of pavers on mortar setting bed at locations as required by the Owner's Representative. The sample panels shall encompass twenty-five (25) square feet and be located by the Owner's Representative. The Owner's Representative must approve the quality of workmanship before permanent granite pavement construction is started. If the samples are not approved, the Contractor shall provide additional samples, as required, at no cost to the Owner until an approved sample is obtained. The approved samples shall become the standard for granite pavement throughout the entire job. The sample panels should be constructed on a location becoming part of the final pavement and shall remain undisturbed until all paving is completed.

1.04 ACCEPTANCE OF WORK:

- A. Notwithstanding any prior acceptance of materials given prior to delivery, acceptance and approval for all work will be based upon the conditions at completion of installation.

1.06 QUALIFICATIONS:

- A. The contractor/subcontractor shall have at least ten years' experience providing granite block salvage and installation on projects in similar nature in scope and importance to the Town Hall Plaza.

The contractor/subcontractor should provide a resume with examples of at least five projects similar in scope and importance and the name of the conservation entity shall be included on the Bid Form where designated. The list should include names

and dates of these projects as well as the names and contact information for the person or group in charge of these projects. The contractor should submit a sample treatment report and a sample of photographic documentation from a project of similar scope and importance.

PART 2 – PRODUCTS

2.01 NEW OR SALVAGED GRANITE PAVERS:

- A. Existing granite pavers shall be removed and cataloged to record their existing locations for reinstallation, as noted on the drawings. The blocks shall be carefully stockpiled to avoid damage to the existing stones.
- B. New granite pavers shall match existing, be structurally sound, free from seams and other structural imperfections or flaws that impact structural integrity. New granite pavers shall be reasonably uniform in shape and size to match the dimensions of existing pavers. Where the plans or details call for a flush condition the pavers shall be set with just the top surfaces visible and at an elevation that is even with adjacent surfaces.
- C. The finished surface along the surface of all pavers shall be consistent with only the imperfections of the stone reflected. The pattern of pavers shall match the existing pattern.
- D. For all granite paver locations/applications furnish “Stony Creek Granite” in a flame finish as quarried by Stony Creek Quarry of Branford, CT (stonycreekquarry.com). The color and finish shall match the existing granite block color and finish (flame finish).

The required number of the pavers shall be based on the square footage identified on the plans and confirmed in the field by the Contractor. All broken existing pavers, those that have been cored to receive area drains or handrails previously, and any pavers broken during the course of construction work shall be replaced with new pavers. The paving pattern details on the drawings are presented to identify the general concepts. Final paving solutions are the responsibility of the Contractor and subject to the approval of the Owner.

- E. Fabrication of all granite pavers shall be in accordance with the National Building Granite Quarries Association to the tolerance typical for the dimensions specified.

2.02 NEW OR SALVAGED GRANITE STAIR TREADS:

- A. Existing granite stair treads shall be removed and cataloged to record their existing locations for reinstallation, as noted on the drawings. The treads shall be carefully stockpiled to avoid damage to the existing stones.

- B. The four cracked existing granite stair treads shall be marked and stockpiled for reinstallation into the reset stairway in locations approved by the Owner's Representative.
- C. New granite stair treads shall match existing, be structurally sound, free from seams and other structural imperfections or flaws that impact structural integrity. New granite stair treads shall be reasonably uniform in shape and size to match the dimensions of existing stair treads, which are approximately 8 feet long by 14.4 inches deep by 5" thick, including a nosing at the top of each tread. All dimensions shall be field verified by the Contractor and discrepancies submitted to the Owner and Owner's Representative for review.
- D. The finished surface along the surface of all stair treads shall be consistent with only the imperfections of the stone reflected.
- E. For all granite stair tread locations/applications furnish "Stony Creek Granite" in a flame finish as quarried by Stony Creek Quarry of Branford, CT (stonycreekquarry.com). The color and finish shall match the existing granite stair block color and finish (flame finish).
- F. Fabrication of all granite stair treads shall be in accordance with the National Building Granite Quarries Association to the tolerance typical for the dimensions specified.

2.03.1 CEMENT CONCRETE MORTAR

- A. Cement concrete for use in the keying of all granite pavers shall be as specified under Section 03 30 00 CAST IN PLACE CONCRETE. Mortar color shall match be review and approved by Arlington's Historical Commission, the Owner, and Owner's Representative prior to installation.

2.04 CEMENT CONCRETE PAD:

- A. Cement concrete for use as a base below granite pavers shall be a single pour in accordance with Section 03 30 00 CAST IN PLACE CONCRETE.

PART 3 – EXECUTION

3.01 MORTAR SETTING BED:

- A. After the concrete and gravel bases have been installed to the appropriate grades, place mortar to achieve the specified compacted depths.

3.02 NEW AND REFURBISHED GRANITE

- A. Packing and Loading – Existing and finished granite pavers and stairs shall be

- carefully packed and loaded for shipment using all reasonable and customary precautions against damage in transit. No material which may cause staining 3.4(h) or discoloration shall be used for blocking or packing. Granite is highly resistant to staining, but should be protected from certain elements, such as wet (green) wood, oils, mud, rust, construction waste, and asphalt compounds. Contact supplier for proper remedies to staining problems that occur.
- B. Site Storage - upon receipt at the project site or storage yard, the granite shall be stacked on timber or platforms at least 3" above the ground, and extreme care shall be taken to prevent staining 3.4(h) during storage. If storage is to be for a prolonged period, polyethylene or other suitable plastic film shall be placed between any wood and finished surfaces, and shall be used also as an overall protective covering. All holes shall be plugged during freezing weather to prevent the accumulation of water. Salt shall not be used for melting of ice formed in Lewis holes or on pieces, or for any purpose involving its contact with the granite.
 - C. Proceed with the installation of the stonework in accordance with Drawings and using skilled mechanics capable of proper handling of the setting of the stone and able to field cut where necessary with sharp and true edges.
 - D. The granite shall be laid true and plumb at the approved locations and as detailed.
 - E. All stair blocks and pavers are to be set with zero clearance and the specified pattern alignment must be maintained. All adjustment of pavers to the patterning will be done with a special hydraulic masonry saw, or otherwise stipulated by the manufacturer and agreed to by the Owner's Representative.
 - F. The final surface elevation shall be adjusted so that when the granite are placed, the top surface of the pavers will be at the required finished grade. A maximum 1/16-inch deviation when tested with a twelve-foot straight edge shall be allowable.
 - G. Adjust any surface variations at this time and reinstall those areas so affected. All areas on which water stands or which are found to be excessively uneven shall be promptly brought to the correct grade and line.
 - H. Set stone with joints uniform in appearance and stone edges and faces aligned to tolerances indicated.
 - I. Provide expansion, control, and pressure-relieving joints of widths and at locations shown on Drawings.
 - J. Prior to mortaring in place, the Contractor shall dry lay the salvaged and new granite stair tread blocks and notify the Owner's Representative for review and approval.

K. Cleaning and protection

1. Cleaning - granite shall be shop cleaned at the time of final fabrication. After installation and pointing or caulking are completed, the contractor shall carefully clean the granite, removing all dirt, excess mortar, weld splatter, stains, and/or other site incident defacements. Stainless steel wire brushes or wool may be used, but the use of other wire brushes or of acid or other solutions which may cause discoloration is expressly prohibited. Fabricator should be contacted before cleaners other than detergents are used.
 2. Granite shall be cleaned of all loose or foreign materials upon installation. Clean surfaces that are dirty or stained. Scrub with fiber brushes, and then rinse with clear water.
 3. Protection of Finished Work - After the granite work is installed, the granite shall be properly and adequately protected from damage. Boxing or other suitable protection shall be provided wherever required, but no lumber which may stain or deface the granite shall be used. All nails used shall be non-corrosive. All granite work in progress shall be protected at all times during construction by use of a suitable strong, impervious film or fabric securely held in place.
- L. Sweep fine stone dust screenings over surface of pavers as many times as necessary to fill any voids. Fog paver areas and repeat stone dust applications until joints are full and compacted.
- M. No pavers shall be laid in inclement weather or when the temperature is 36°F, and dropping, nor shall any work be done on rising temperatures until the temperature reaches 32°F, and subgrade is free of frost.

3.03 CLEANUP:

- A. After completion of all work, all debris, rubbish, and surplus materials shall be removed from the site. The site shall be left clean, presentable, and to the satisfaction of the Owner's Representative.

END OF SECTION