TOWN OF MANCHESTER
GENERAL SERVICES DEPARTMENT
494 MAIN STREET
P.O. BOX 191
MANCHESTER, CONNECTICUT 06045-0191

HILLIARD’S POND DAM REMOVAL AND
BIELOW BROOK STREAM CHANNEL RESTORATION

BID NO. 14/15-74

ADDENDUM NO. 1

1. The following responses are provided for questions received from prospective bidders at the non-mandatory pre-bid meeting conducted at the project site on May 19, 2015:

Q1. Have required federal, state and local permits already been obtained?

R1. Yes, all required regulatory permits have been obtained. However, refer to the “Notice to Contractor – Prosecution and Progress” in the Contract Specifications for information regarding required construction permits.

Q2. Can the existing material within the channel be used for new channel construction or will material need to be imported into the site?

R2. The existing channel bed material within the bankfull limits shall be stripped, stockpiled and re-used to form the final channel bed of the proposed channel as shown on the Contract Plans. The material is to be supplemented with rounded river cobbles, imported from offsite. For more detail, please refer to items “Channel Restoration” and “Random Bed Armoring” in Specification 02675 - Channel Restoration in the Contract Specifications.

Q3. What volume of material will need to be imported into the site for final grading (outside of new channel construction) and how will it be paid?

R3. As stated in Section 1.2 of Specification 02300 in the Contract Specifications, it is anticipated that earthwork for this project is “balanced” and that no material is to be imported or exported to achieve final grades. Based on visual observation, it is possible site characteristics have changed since it was field surveyed, which may impact available fill volume to achieve final grades.

Therefore, final grading at the site may be modified by the Engineer during construction or in the event import of material is deemed necessary by the Engineer, the attached Bid Proposal Sheet revised 5/19/15 is provided to replace the proposal sheet in the Contract Specifications and has been revised to include “Item #8 –
Granular Fill” that will be paid on a cubic yard basis with an indeterminate quantity listed for bidding purposes. The attached Granular Fill specification has been provided for reference and is to be included in the Contract Specifications.

Q4. How will tree clearing limits be identified in the field?

R4. Location of clearing limits shall be identified in the field by the Contractor in accordance with Section 3.2 in Specification 02100 of the Contract Specifications. This work will be paid for in the lump sum bid price for “Item 1 - Site Preparation, Erosion and Traffic Control”.

Q5. Do wood chips created during tree clearing operations need to be hauled offsite?

R5. Wood chips resulting from clearing operations may be spread at the site; however, the chips shall not be placed in any wetlands or watercourses as indicated in Specification 01200 of the Contract Specifications. Large tree and brush material removed from within the clearing limits identified on the Contract Plans shall be removed from the site and disposed of in accordance with Specification 02100.

Q6. Can knotweed be removed and treated (sprayed) in September since it is not as effective in July and August?

R6. It is anticipated that Japanese knotweed and other invasive species will be physically removed when those areas are graded during Phase II construction, which is to occur within the currently specified contract period. Treatment (spraying) of invasive species is not required as part of this project. Bidders are made aware that knotweed and other invasive species within the project limits are to be excavated and removed and not mixed into material that will be reused onsite.

Q7. Was existing sand located in the streambed downstream of project area intended to be used as fill and included in the “balanced” earthwork quantities?

R7. No, only material located within the project limits was used for the calculations. Existing material located downstream of the project area shall remain.

Q8. What is the estimated project cost?

R8. The Preliminary Opinion of Probable Cost prepared for this project is approximately $126,000 for the base bid and $8,500 for the Add-Alternate plus contingencies.

Q9. Does the concrete wall/abutment to remain along the south edge of the brook need to be neatly sawcut or is a rough cut acceptable?
R9. The plans specify sawcutting of the concrete; however, an uneven cut surface is acceptable for portions of the wall that will be buried within the fill slope.

Q10. Can the site be accessed from the condominium property at 401 Adams Street to the south?

R10. No, all construction equipment access shall be from the north side of the brook as shown on the Contract Plans.

Q11. Have any provisions been made for providing temporary power to the sump pumps or will generators be required?

R11. The electric company has not been contacted to discuss access to temporary power for this project. Bidders may contact the utility representative listed below or provide another means of temporary power at the site.

_Eversource Energy_
Robert Ferguson
(860) 280-2355
robert.ferguson@eversource.com

Q12. How deep do concrete remnants of the abandoned dam need to be removed below grade?

R12. Concrete shall be removed a minimum of two (2) feet below finished grade as indicated on the Contract Plans.

Q13. If additional concrete is found buried within 2’ of finished grade, will it have to be removed and how will that additional work be paid?

R13. Removal of concrete included in the lump sum bid price for “Item 3 – Structure Demolition” is estimated to constitute approximately 200 CY based on field measurements as indicated in Section 1.2 of Specification 02222 and provided in Appendix “D” of the Contract Specifications. This quantity assumes the concrete visible at the surface extends 2’ below finished grade to the required limits of removal.

No changes to the lump sum bid price will be made unless the required volume of concrete removal differs more than 10% from what is shown in the Contract Documents. If the actual volume difference exceeds 10%, the quantity provided above shall be used as the baseline quantity and agreed, field-measured changes shall be added or subtracted from the baseline quantity.

To identify if additional concrete is present, the lump sum bid price for Item 3 shall include completion of three (3) test pits by the Contractor at locations directed by the
Engineer at the onset of construction to verify if a slab foundation or other concrete is present within 2’ of finished grade. The Contractor shall contact Milone and MacBroom at 203-271-1773 at least seventy-two (72) hours before performing test pits.

If additional concrete is encountered, the Engineer will determine if an adjustment to the lump sum bid price as noted above is warranted or if the additional concrete can remain in place. If additional concrete not identified by the test pits is encountered during construction, the Contractor is responsible to give the Engineer a minimum of twenty-four (24) hour notice so an inspection can be conducted prior to removal. There will be no adjustment to the lump sum pay item if the Contractor does not provide sufficient notice.

Q14. When was the field survey completed for preparation of the contract plans?

R14. The site was last surveyed on May 10, 2012 as stated in Mapping Note 1 on Sheet SP-1 of the Contract Plans.

Q15. What is the anticipated construction schedule?

R15. Work is expected to commence in early July and be completed by the end of August in accordance with the “Notice to Contractor – Prosecution and Progress” in the Contract Specifications. Bidders are made aware that all work within the brook and associated flood plain area must be completed between June 1st and September 30th of this construction season in accordance with General Permit issued by the Army Corps of Engineers and the Connecticut Department of Energy and Environmental Protection, which is included in Appendix “F” of the Contract Specifications for reference.

Q16. What volume of in-stream stones, cobbles and boulders is required since they are paid within a lump sum item?

R16. There are sufficient dimensions and associated information provided on the Contract Plans for bidders to quantity the required volume of these materials for development of the lump sum bid item.

Q17. Is compaction testing required for on-site material that will be used as fill (i.e. fill against the concrete wall to remain along the south side of the brook)?

R17. Compaction testing of fill materials will not be required; however, the Contractor is expected to fill in 24” maximum lifts and provide suitable compaction to ensure the stability of embankments.
Q18. Are there any requirements to provide turbidity control downstream of the project (i.e. turbidity curtain)?

R18. All work shall be conducted during low-flow conditions in the brook to the extent possible and the project will be phased to complete work in relatively dry conditions to minimize transport of sediments downstream; however, the Contractor is responsible to provide measures to prevent turbidity releases into downstream areas, which is included in the lump sum bid price for “Item 2 – Stream Channel Dewatering”. Installation of turbidity curtains or similar measures downstream may be required if deemed necessary by the Engineer during construction.

Enclosure: Bid Proposal Sheet, revised 5/20/15
Granular Fill Specification

May 20, 2015
Bidders must fill in “Bid Unit Price” and “Extended Amount” for each bid item. Extend all prices to two decimals.

### BASE BID

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<th>ITEM DESCRIPTION</th>
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* Indeterminate quantity for bidding purposes only

**TOTAL OF ALL BASE BID ITEMS: $**

### ADD ALTERNATE No. 1

Installation of trees and shrubs as shown on the plans. Final quantity, type and location shall be determined by the Town during construction. All Add Alternate bid items may be removed from the Contract at the discretion of the Town.

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**TOTAL ADD ALTERNATE BID ITEMS: $**
GRANULAR FILL

DESCRIPTION

“Granular Fill” includes the furnishing and installation of material to be used as a foundation for structures, to replace unstable material in slopes and shoulders, to replace rock and unsuitable material in trenches, and elsewhere as indicated on the Plans or Specifications or where directed by the Engineer. It shall consist of gravel conforming to the requirements of these specifications.

If deemed suitable by the Engineer during construction, excavated material shall be used as granular fill for this project. This item only applies if import of additional material to the site is approved by the Engineer.

MATERIALS

Granular fill shall conform to the requirements of Section M.02.01 of Form 816.

CONSTRUCTION DETAILS

When granular fill is used for foundation for structures, as backfill or to replace rock or unsuitable material in trenches, it shall be deposited in layers not over six (6) inches in depth, with each layer thoroughly compacted before the addition of other layers.

MEASUREMENT

Only granular fill used to replace unsuitable material and rock in trenches or other areas directed by the Engineer will be measured for payment. It will be measured in place by the cubic yard after compaction within the payment lines shown or specified by the Engineer.

PAYMENT

This work will be paid for at the contract unit price per cubic yard for "Granular Fill", complete in place, which price shall constitute full compensation for all materials, tools, equipment and labor incidental thereto.

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<th>Item No.</th>
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<td>8.</td>
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