

Criscuolo Engineering, LLC

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Civil Engineers
Land Surveyors

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Records of:

Associated Surveys
Charles H. Miller
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MEMORANDUM

To: Greater New Haven Water Pollution Control Authority
From: James M. Pretti, Jr., P.E.
Date: 3/15/2016
Re: Arch Street Pump Station Rehab. Project – Addendum #1
CE File No: 2014.017
cc: file

In regards to questions set forth in email from The Associated Construction Company dated March 9, 2016, we have the following responses:

Div 1 – General Requirements

1. The cost of the building permit should be included in the bid.
2. The Itemized Bid Proposal and the Bidders Qualifications forms are in the spec. just after the technical sections.
3. There is not a specified Bid Bond form. The standard AIA form will be acceptable.
4. Section 02535 is attached with this letter. Section 07620 will not be included. There is no work associated with the drip edges, gutters or downspouts.
5. Regarding this insurance comment:

*“Under Insurance Section 107-6010, Termination or Change of Insurance
“The words “endeavor to” and “but failure to mail such notice shall impose
no obligation or any liability of any kind upon the company, its agents or
representatives” shall be deleted from the certificate form’s cancellation
provision.”*

It is ultimately the contractor’s responsibility to notify the Authority of changes to insurance policies. We highly recommend that the contractor pass this requirement on to its insurance company through their binding policy. However, if the certificate form cannot be changed then language committing to “notify the Authority by certified mail at least thirty (30 days) in advance of any cancellation or material change” shall be clearly included on the standard ACORD Form Section “101, Additional Remarks Schedule”

Div 2 – Site Work

1. The wetwell has not been cleaned in some time. All 3 overflow wetwell compartments and 1 main wetwell shall be cleaned. An allowance for the cleaning of the wetwell is given in the revised Schedule of Bid Items as Bid Item #1002. The allowance will cover material removal, frac tank, transportation and disposal fees.

Div 5 – Steel

1. The new ladder shall be hot dipped galvanized and the gate shall be painted safety yellow.

Div 7 – Thermal and Moisture

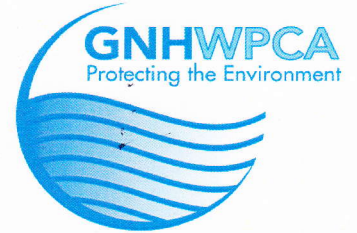
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1. The hatch shall be ¼" aluminum diamond plate, with stainless steel hardware and shall have safety grating. See specification 02061 regarding requirements for the wet well hatch. 3 different manufacturers are listed. A submittal will be required.

In regards to questions set forth in an email from Kovacs Construction Corporation, dated March 9, 2016, we have the following responses:

1. The adjoining property owners have not been contacted regarding any access from their site. The parking spaces that extend into the pump station site are actively used for the adjoining business.
2. The contractor shall be responsible for paying the building permit.
3. The GNHWPCA will open a work order with the power utility and pay any fees associated with the new service connection directly.
4. See note above regarding cleaning the wetwell.
5. See note above regarding cleaning the wetwell.
6. No heavy equipment shall be allowed on top of the existing wetwell. Hatch riser can be backfilled with the existing on-site material removed.
7. The existing exterior brick surface of the building shall be cleaned and sealed. Sealer to be SureKlean Siloxane PD weather seal or approved equal.
8. At a minimum any loose paint shall be removed and existing surfaces shall be cleaned. Paint manufacturer's specifications must be followed regarding surface preparation. It should be assumed that the existing paint does contain lead. See specification section 13290 regarding lead paint.
9. Toilet shall be a wall mounted unit, with a manual flush valve as manufactured by American Standard or approved equal. Sink shall be a wall mounted unit as manufactured by American Standard or approved equal. Water heater shall be a point of use, wall mounted, tankless, 3.5 kw, 120V electric water heater. Proper corresponding breaker shall be installed in Power Panel "LP", and a local disconnect shall be located near the installation. Water supply piping currently exists at the motor room level.
10. The exterior carbon filter can be an Advanced Carbon Systems Model P-24 Carbon Absorber. No power is required.
11. Sump pump shall be a Water Ace RS3 or approved equal.
12. Dehumidifier shall be a GE Model #APEL70LT, or approved equal, mounted on S.S. shelf as indicated on Sheet A107.
13. Window shall be field measured and replaced to fit opening. Fixed frame, double pane glass is required.
14. The electrical unit heater at the Control Room Floor level is to remain. The electrical unit heater at the Motor Room Floor level is a new 5kw proposed unit to match the one on the level above.
15. The dry well ventilation system and fan exist. The proposed work consists of cutting the pvc and relocating the inlet to coordinate with other work proposed. The existing inline fan will remain.
16. The pressure gauge depicted on the section on Sheet A109 shall be on each discharge line (3 total).
17. Pipe supports shall be galvanized metal, adjustable pipe support saddles, stand-off, bolted to the floor and grouted.
18. The chain link fence shall be black vinyl coated with gates to be replaced in kind. Barbed wire is not required to be installed.
19. Section 07620 has been omitted.
20. Each magnetic flow meter is to have a remote digital display mounted at the control room level. The notation on sheet A113 is to indicate that the instrument cable between the units is to be run in conduit from transmitter to display.

NOTE: All Allowance items in the Schedule of Bid Items shall not be marked up. All Allowance Items are direct cost pass-thru items.



Schedule Of Bid Items

The quantities of work proposed in this form are intended for bidding purposes only. The Authority reserves the right to reject any proposal in which any of the bid prices are unbalanced to the potential detriment to the Authority.

ITEM NUMBER	ESTIMATED QUANTITY	UNIT	ITEM WITH UNIT PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT BID	
				DOLLARS	CTS	DOLLARS	CTS
1000	1	LS	LUMP SUM For the Rehabilitation of the Arch Street Pump Station, as shown and detailed in the Project Plans and Specifications, including all work incidental thereto.	_____	_____	_____	_____
1001	1	All	ALLOWANCE For the initial testing for the presence of asbestos and the abatement measures, if required, to be included in base bid	\$10,000	_____	\$10,000	_____
1002	1	All	ALLOWANCE For the cleaning of wetwell. Shall include: Cleaning, material removal, frac tank, transporting material and disposal fees	\$30,000	_____	\$30,000	_____

BASE BID
TOTAL OR GROSS SUM IN WORDS: _____ \$ _____
IN FIGURES

Signature of Bidder: _____ Dated: _____

Printed Name: _____

Name of Firm: _____

SECTION 02535**BREAKING INTO EXISTING STRUCTURES****PART 1 – GENERAL****1.01 DESCRIPTION**

- A. This section includes the work involved in penetrating the walls of existing structures and the ancillary work associated with making new connections to the existing structures.

1.02 RELATED WORK

- A. Related Sections
 1. Section 02601 “Manholes, Covers and Frames”
 2. Section 15050 “Pipe and Pipe Fittings – General”
 3. Section 09905 “Surface Preparation and Shop Coatings”

1.03 REFERENCES

- A. ASTM C443- Standard Specifications for Joints for Circular Concrete Sewer and Culvert Piping Using Rubber Gaskets.
- B. ASTM C923 – Standard Specification for Resilient Connectors Between Reinforced Concrete Manhole Structures, Pipes and Laterals.

1.04 SUBMITTALS

- A. Submit shop drawings showing details for the penetrations into the wetwell.

1.05 QUALITY ASSURANCE

- A. Personnel shall have confined space entry training, as appropriate.

PART 2 – PRODUCTS**2.01 MATERIALS**

- A. Seals
 1. All Closures between existing wetwell, existing building and new piping shall be double sealed (sealed inside and outside), using “Linkseal” as manufactured by Thunderline Corporation.
 2. Selection of “Linkseal” model numbers and sizes shall be in strict accordance with the manufacturer’s instructions to ensure watertightness.
- B. Grout
 1. Non-shrink, non-metallic water-proof type.

PART 3 – EXECUTION

3.01 INSTALLATION

A. General

1. Core drill into existing wetwell in such a fashion as to make an opening of suitable minimal size to accommodate the new suction pipe without excessive damage to the existing structure.
2. Cut accesses into the top of wetwell concrete slab in such a fashion as to make openings of suitable, minimal size to accommodate the hatch without excessive damage to the existing structures. Care should be taken to not damage or cut existing structural steel beams. The cut or exposed ends of the existing rebar shall be coated with a bitumatic sealant.
3. Rebuild and tightly close existing walls to provide an integral, water-tight structure around the new penetrations.

END OF SECTION