

**SECTION 00 91 13**

**ADDENDUM NO. 1**

**NOTICE is hereby given that the Bidding Documents have been modified and replacement pages issued herewith.**

Replacement pages have an Issue Date of March 25, 2014, contain reference to “ADDENDUM NO. 1” in the footer, and text changes identified by double-underline for additions and ~~Strikeout~~ for deletions.

<b>Replacement pages (with text changes)</b>	<b>Back of Replacement Page (provided for purposes of double-sided printing only - no changes)</b>
33 50 00-3 and 33 50 00-3A	33 50 00-4

**NOTICE is hereby given of the following additional information and clarification.**

Additional Information: The answer below is provided in response to questions and comments submitted by Bidders.

*Q1: Section 33 50 00 Part 2 Paragraph 2.02.A indicates that equipment utilized for CIPP needs to be in compliance with the permitting requirements outlined in Section 00 73 10. Can you provide more specific restrictions or requirements regarding the equipment?*

A1: Section 00 73 10 includes correspondence from the MassDEP, Army Corps of Engineers, MWRA, and Quincy Conservation Commission. Each of these agencies has permitted the Phase IIB project based upon previously existing permits and the proposed temporary access routes shown on Sheet C-105 of the Drawings. Temporary access to sewer structures will be limited to the areas shown on C-105 for completion of the Work. In addition, these permits also require minimizing temporary impacts to grade and vegetation and include language directing restoration activities, should any alterations to the salt marsh resource area occur. Equipment utilized for CIPP lining must comply with these and/or other conditions outlined in the Project’s permits.

In addition, the permits require that machinery and/or equipment shall not be stored within the salt marsh resource area and shall not come in direct contact with high tide waters. The equipment utilized shall allow for the Work to be completed in a manner that complies with these permit requirements.

Section 00 73 10 also references policies and requirements under the MWRA I/I Local Assistance Program, which includes, but is not limited to, the MWRA’s CIPP Liner Wastewater Discharge Requirement. MWRA’s Questionnaire on CIPP lining discharge is included at the end of Section 33 50 00.

*Q2: Will the Engineer/Owner allow a spiral wound lining product and process to be utilized for the lining of the pipes?*

A2: Alternatives will not be considered during bidding per Section 00 21 13 Instructions to Bidders, Article 11. Three acceptable manufacturers or approved equals are listed in Section 33 50 00 Paragraph 2.01.C and “or equals” will only be considered after an Agreement has been executed.

*Q3: Can you provide more details on the coordination with MWRA at the Squantum Pump Station and bypass operations?*

A3: Pursuant to the language in Section 01 15 00 Paragraph 3.05 for coordination, the Squantum Pump Station is owned by the MWRA and the City’s gravity sewer discharges to the Squantum Pump Station as shown on the Contract Drawings. CIPP Lining of sewer from MH 39271 to MH 16600 may require bypass pumping discharge directly to the wetwell located at the rear of the Squantum Pump Station. The MWRA requires that the Contractor coordinate construction activities and bypass operations at this setup and others along East Squantum Street with MWRA operational and security personnel. These details will be discussed at a meeting prior to construction along with requirements under the MWRA 8(m) infrastructure access permit.

*Q4: Will access roads to the sewer structures along East Squantum Street be allowed during construction?*

A4: No. As stated in Section 01 15 00 Specific Project Requirements and Procedures, Article 3.05, wetland protection mats are to be used for access to structures in the salt marsh resource area. Further details of the permit requirements are included under Section 00 73 10.

*Q5: What are the Manhole depths?*

A5: City Record Drawings are included in Section 00 31 00 and a table with approximate manhole depths is included below. NOTE: This is for informational purposes only, is approximate, and is not guaranteed. This information is covered by the representations in Section 00 45 05, Article 1.01, and further in Section 01 00 10 Overall General Requirements Paragraph 3.05.B.2. All information must be verified by the Contractor.

Manhole (MH)	Street	Approximate MH Depth (ft)
6485	E. Squantum St.	11
17538	E. Squantum St.	10
17537	E. Squantum St.	10
17536	E. Squantum St.	9
17534	E. Squantum St.	14
17533	E. Squantum St.	14
17532	E. Squantum St.	17
16557	E. Squantum St.	13
16558	E. Squantum St.	15
16559	E. Squantum St.	14
16560	E. Squantum St.	15
39271	Squantum PS	16
16600	Squantum PS	17

Manhole (MH)	Street	Approximate MH Depth (ft)
501	Rockland St.	9
10837	Rockland St.	9
5746	Rhoda St.	6
10840	Rhoda/Camden St.	6
531	Camden/Pawsey St.	8
1153	Dysart St.	9
27442	Dysart St.	8

*Q6: What is the pipe material along East Squantum Street?*

A6: The sections of sewer to be CIPP Lined are Reinforced Concrete. Other sections of sewer along East Squantum Street were previously lined and as stated in Section 33 50 00 CIPP Liner, Article 2.01, the sewer pipe to be CIPP lined is partially corroded due to hydrogen sulfide (H<sub>2</sub>S). Sewer pipe inspection reports are included under Section 00 31 00 Available Project Information and indicate the pipe material. A link to Woodard & Curran's FTP site is also provided in Section 00 31 00 and includes television video inspections of the pipe.

*Q7: Was there any work done recently on the sewer along East Squantum Street?*

A7: Yes. The Phase IIA Coastal Structures project completed in 2012 included grouting of reinforced concrete manholes, the replacement of risers on three manholes, and the CIPP lining of the sewer from MH 17536 to 17534. Other sections of sewer along East Squantum Street not included in the Work were previously lined.

*Q8: Will a water supply be provided?*

A8: As stated in Section 33 50 00 CIPP Liner, Paragraph 3.02.D, the Contractor shall obtain permission from Owner to use City water prior to performance of the Work.

*Q9: Will the open cuts be completed on a linear foot basis?*

A9: As stated in Section 01 20 25 Measurement and Payment (Items 5-8), the open cuts will be completed on a lump sum basis. However, Potential Additional Open Cut Lengths are included in Item 9 as a Contingency Allowance to be utilized by the Owner on a linear foot basis, based on the value bid, in the event that conditions require a repair length longer than that indicated on the Drawings.

Bidders must comply with the requirements for submission of Bids in the Instructions to Bidders and the Bidding Documents remain unchanged except as indicated above.

**Prepared and Issued by:**

The City of Quincy, MA  
1305 Hancock Street  
Quincy, MA 02169

*In consultation with Woodard & Curran (Engineer)*

- B. Qualifications
  - 1. Provide that the Work specified is performed by a company or personnel with a minimum 10 years of experience. Provide that supervisory personnel have a minimum 10 years of experience and shall be present at the Site during performance of services specified.
- C. Discharge, bypass, or flooding of sewage, cleaning water, or debris to public or private property including the ground, surrounding residences, and downstream sewers is prohibited. Contractor shall immediately and completely clean and repair any damage resulting from their activities to the satisfaction of the Owner and Engineer.

## 1.07 SITE CONDITIONS

- A. Existing Conditions: per Division 01 General Requirements.
- B. Notify Owner immediately if Site conditions prevent access to manholes or pipes identified as part of the Work.

## PART 2 – PRODUCTS

### 2.01 MATERIAL

- A. Cured-in-place liners shall be designed assuming partially deteriorated pipe conditions and
  - 1. in the East Squantum Street marsh, a height of sea water high tide above the crown of the pipe equal to two (2) feet above the manhole frame, unless otherwise specified. High tide regularly reaches the manhole frames and storm surges produce even greater depths of water. In addition, the sewer along East Squantum Street is partially corroded as a result of hydrogen sulfide (H<sub>2</sub>S). Design and size CIPP liners for this sewer accordingly. ~~The above design requirement applies to CIPP liners to be installed in the East Squantum Street marsh. High tide regularly reaches the manhole frames and storm surges produce even greater depths of water. The sewer along East Squantum Street is partially corroded as a result of hydrogen sulfide (H<sub>2</sub>S). Design and size CIPP liners for this sewer accordingly.~~
  - 1.2. At all other locations, the CIPP liner shall be designed assuming a groundwater height above the crown of the pipe equal to one-half (50%) of the distance between the ground surface and the invert of the sanitary sewer line to be rehabilitated, unless otherwise noted.
- ~~D.B.~~ Materials used for the cured-in-place pipe per ASTM F1216.

E.C. Acceptable Manufacturers:

1. Insituform Technologies
2. National Liner
3. Cure-Line
4. or approved equal.

F.D. See Drawings for location, length, and approximate interior dimensions of the cured-in-place pipe to be installed.

## 2.02 EQUIPMENT

- A. Provide that equipment utilized for CIPP lining along East Squantum Street is in compliance with the permitting requirements for access to the salt marsh wetland Resource Area included in Section 00 73 10.

## PART 3 – EXECUTION

### 3.01 MWRA CIPP LINER DISCHARGE REQUIREMENT

- A. The discharge of wastewater from the installation of a cured-in-place pipe (CIPP) liner as part of a sewer rehabilitation project, into the Municipal or MWRA sewerage system is prohibited, unless authorized by the MWRA. Wastewater discharged from the CIPP liner into a pipeline operation must comply with MWRA Sewer Use Regulations, 360 C.M.R. 10.021-10.024, prior to mixing with any other streams.
- B. Complete and submit a MWRA *Request To Discharge From A CIPP Liner Into A Pipeline Form* attached to this Section. Obtain authorization to discharge wastewater from a CIPP lining into a pipeline operation from MWRA at least thirty (30) calendar days prior to beginning the discharge. Test, treat, and dispose of inversion water at no additional cost to the Owner.
- C. Complete the MWRA CIPP Discharge Form and obtain required signatures.
- D. Provide a copy of the completed MWRA *CIPP Discharge Form* to the Engineer at the time of submittal.

### 3.02 COORDINATION

- A. Provide a minimum two week's notice of proposed schedule as described above.
- B. Certain sections of the CIPP lining Work along East Squantum Street will have to be scheduled around the tide cycle during the lower high tide versus the moon high tide. The moon high tide tends to reach the sewer manhole bases and the lower high tides do not. Work shall not be interrupted due to high tide water interfering with construction or bypass equipment and/or materials.
- C. Schedule police details as necessary in accordance with Division 01 General Requirements.
- D. Obtain permission from Owner to use City water prior to performance of the Work. Hydrants shall be operated by City officials unless otherwise approved.

### 3.03 PREPARATION

- A. Perform pipe cleaning and inspection in advance of CIPP liner installation and in accordance with Section 33 41 15.

PRE-BID MEETING  
 PHASE IIB - COASTAL STRUCTURES VI REDUCTION PROJECT  
 FRIDAY, MARCH 21, 2014, 11:00 AM  
 CITY HALL - QUINCY, MA

NAME	CONTRACTOR	CONTACT INFO
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