NOTICE is hereby given to prospective Bidders of the following information and modifications to the Bidding Documents. The Bidding Documents remain unchanged except as indicated below. Bidders must acknowledge receipt of this Addendum in the Bid Form and comply with the requirements for submission of Bids as set forth in the Bidding Documents.

INFORMATION

A Pre-bid meeting was held on Tuesday, February 26, 2019 at 1:00 PM at the Owner’s offices of the Department of Public Works, 55 Sea Street, Quincy, Massachusetts 02169. See attached Sign-In sheet for list of attendees and meeting minutes for a list of items discussed.

The deadline to submit Bids is Thursday, March 14, 2019, at 11:00 AM at the Owner’s offices of the Purchasing Agent, City Hall, 1305 Hancock Street, Quincy, Massachusetts 02169. Bids will then and there be publicly opened and read aloud.

The deadline to submit questions has been extended to Thursday, March 7, 2019, at 12:00 PM. See revised Section 00 21 13 – INSTRUCTIONS TO BIDDERS attached to this Addendum.

Note: Questions will only be accepted from and information will only be provided to entities registered as a Bidder in accordance with Section 00 11 16, INVITATION TO BID.

The answers below are provided in response to questions and comments submitted by prospective Bidders.

1. **Question:** Is the Substantial completion time 90 days as indicated in Section 00 11 16 Invitation to Bid, or is it 190 days as indicated in Section 00 52 10 Agreement Form, Article 4?

   **Answer:** Substantial Completion time shall be 90 days, see revised Section 00 52 10 – AGREEMENT FORM attached to this Addendum.

2. **Question:** The deadline for questions (2/21) is before the pre bid meeting (2/26). Can the deadline for questions be changed to sometime after the pre bid meeting?

   **Answer:** See revised Section 00 21 13 – INSTRUCTIONS TO BIDDERS attached to this Addendum.

3. **Question:** Is pre liner to be mandatory for all of the CIPP liner installations, regardless of pipe conditions? If not, what is the criteria for determining if it is to be required? (see Section 33 01 30.72 Item 3.02, part B)

   **Answer:** Pre liner is under Contractor and Manufacturer discretion if needed. Criteria for determining if it to be required shall be determined by the CIPP liner Manufacturer.
4. **Question:** In Section 33-01-30.72 in Item 3.02 part H paragraph 3 indicates that “Continuous temperature sensors and monitoring may be required, in accordance with the manufacturer’s recommendations”. Is this referring to the liner manufacturer?

**Answer:** Yes, continuous temperature sensors and monitoring is required to confirm the CIPP curing process completed is acceptable based on the Manufacturer’s recommendations.

5. **Question:** Do all reinstated lateral connections in the CIPP need to be grouted? If not, do any of them, and how is to be determined which ones are to be grouted?

**Answer:** All service lateral connections being reinstated after CIPP installation shall be grouted.

6. **Question:** Is grouting of the reinstated laterals if required to be incidental to the lining cost/prices?

**Answer:** Per Section 01 20 25 – MEASUREMENT AND PAYMENT, Page 5; Grouting of the service connections after CIPP installation shall be paid for under Item 5 – Grout Service Connection, assuming up to 5 gallons of grout per lateral connection. Item 6 – Additional Grout Pumped, can be used per gallon for every gallon exceeding 5 gallons per lateral connection.

7. **Question:** Will the City provide an area for a container to be stored for sediment and debris removed prior to CIPP lining? Is all material removed to be incidental to the Work?

**Answer:** If necessary, the City will provide a temporary storage area for the Contractor to use during large diameter pre-lining cleaning activities at the Department of Public Works storage yard located at 55 Sea Street, Quincy, MA 02169. The Contractor shall provide for their own use, a 30-yard roll-off container to store any additional sediment and debris that is encountered and needs to be removed prior to CIPP lining. The Contractor shall also provide at a minimum; hay bales around the entire perimeter of the container, siltation fence on any land down gradient, and provide containment of the sediment and debris with a container liner and cover to fully contain the sediment & debris being stored while testing is completed, prior to disposal.

All sediment and debris removed during pre-lining cleaning activities shall be paid for under Item 17 – Owner’s Contingency Allowance for Additional Heavy Cleaning Required Including Sediment Testing and Disposal. This Item shall include removal, storage, testing and disposal in accordance to all Local, State and Federal rules and regulations.

8. **Question:** Will all retainage be released after final completion or after warranty inspections are completed?

**Answer:** Retainage will be released in accordance to Section 00 52 10, AGREEMENT, Article 6.02.
MODIFICATIONS

NOTICE is hereby given that the Bidding Documents have been modified as follows.

Replacement pages are issued herewith, have an Issue Date of March 4, 2019, contain reference to “ADDENDUM NO. 1” in the footer, and text changes identified by double-underline for additions and Strikeout for deletions.

<table>
<thead>
<tr>
<th>Replacement pages (with text changes)</th>
<th>Provided for purposes of double-sided printing only - no changes (front or back of replacement page)</th>
</tr>
</thead>
<tbody>
<tr>
<td>00 01 10-3</td>
<td>00 01 10-4</td>
</tr>
<tr>
<td>00 21 13-5</td>
<td>00 21 13-6</td>
</tr>
<tr>
<td>00 52 10-1</td>
<td>00 52 10-2</td>
</tr>
<tr>
<td>01 11 00-3</td>
<td>01 11 00-4</td>
</tr>
<tr>
<td>01 20 25-2 &amp; 01 20 25-9 thru 01 20 25-12</td>
<td>01 20 25-1</td>
</tr>
<tr>
<td>01 50 00-5</td>
<td>01 50 00-6</td>
</tr>
<tr>
<td>01 70 00-3</td>
<td>01 70 00-4</td>
</tr>
</tbody>
</table>

The following replacement section(s) are reissued herewith in their entirety, have an Issue Date of February 2019, contain(s) reference to “ADDENDUM NO. 1” in the footer, and text changes identified by double-underline for additions and Strikeout for deletions.

1. Section 00 43 22, UNIT PRICES FORM, consisting of 4 pages, see attached.

2. Appendix A, CONSERVATION COMMISSION REQUEST FOR DETERMINATION OF APPLICABILITY, including Request for Determination of Applicability approval executed February 6, 2019, consisting of 8 pages, see attached.

This Addendum is provided to Bidders in a single Portable Document Format (.PDF) posted on the Owner’s Purchasing Bid Page and will be available for examination at the Issuing Office. It is each Bidder’s responsibility to check the website for Addenda per the Invitation to Bid.

Prepared and Issued by Woodard & Curran (Engineer) on behalf of: The City of Quincy, Massachusetts
<table>
<thead>
<tr>
<th>NAME &amp; TITLE</th>
<th>COMPANY</th>
<th>TELEPHONE NUMBER</th>
<th>EMAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tarek Radwan</td>
<td>National Water Main</td>
<td>617-908-1626</td>
<td><a href="mailto:tradwan@NUMCC-BoS.com">tradwan@NUMCC-BoS.com</a></td>
</tr>
<tr>
<td>Project Eng.</td>
<td>Cleaning Company</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dustin Boice</td>
<td>W&amp;G</td>
<td>860-681-9114</td>
<td><a href="mailto:dbriese@luedtordcurran.com">dbriese@luedtordcurran.com</a></td>
</tr>
<tr>
<td>Project Eng.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jeff Petruzzi</td>
<td>Instituto</td>
<td>508-248-7635</td>
<td><a href="mailto:jpetruzzi@equicon.com">jpetruzzi@equicon.com</a></td>
</tr>
<tr>
<td>Project Manager</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tim Harrison</td>
<td>W&amp;G</td>
<td>925-627-4170</td>
<td><a href="mailto:tharrison@woodwardcurran.com">tharrison@woodwardcurran.com</a></td>
</tr>
<tr>
<td>Project Manager</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kelly Bailey</td>
<td>VORTEX COMPANIES</td>
<td>617.470.2072</td>
<td><a href="mailto:Kbailey@vortexcompanies.com">Kbailey@vortexcompanies.com</a></td>
</tr>
<tr>
<td>BOIS</td>
<td>INLAND WATER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Routine</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CITY OF QUINCY, MASSACHUSETTS**  
**DEPARTMENT OF PUBLIC WORKS**  
**FISCAL YEAR 2019 SEWER CIPP IMPROVEMENTS PROJECT – CONTRACT 1**  
**PRE-BID MEETING**  
**FEBRUARY 26, 2019 at 1:00 PM**  
**LIST OF ATTENDEES**
I. INTRODUCTION & PROJECT TEAM
City of Quincy – Owner:
• Al Grazioso, Public Works Commissioner
• Paul G. Costello, City Engineer
• Peter Hoyt, Water & Sewer Supervisor
• Jeff Vraderbungen, Civil Engineer
• Joseph Casserly, Civil Engineer

Woodard & Curran – Consultant Engineer:
• Tim Harrison, Project Manager
• Dustin Briere, Project Engineer

II. PROJECT SCHEDULE
Contract Date: Notice to Proceed to be issued Monday, April 4, 2019
Contract Time: 90 Days – Substantial Completion
120 Days – Final Completion
Substantial Completion Date: Tuesday, July 28, 2019
Final Completion Date: Thursday, August 27, 2019

III. PROJECT DESCRIPTION
The Work under this Contract includes, but is not limited to, labor, material and equipment, services required for construction, traffic control plans, temporary sewer bypass pumping, testing, and commissioning of the Project in accordance with the Contract Documents and as more specifically described in the Specifications and Drawings. Work includes, but is not limited to, the following principal features: Sewer pipe and manhole rehabilitation Work including installation of approximately 6,450 linear feet (LF) of cured-in-place gravity sewer pipe in various sizes throughout the City of Quincy, approximately as follows: 1,150 LF of 8-inch pipe, 800 LF of 10-inch pipe, 2,050 LF of 15-inch pipe, 1,350 LF of 24-inches by 36-inches pipe, 1,100 LF of 30-inches by 45-inches pipe, 18 cementitious manhole restorations, curtain grouting 12 manholes, removing & replacing 1 manhole frame & cover, and locating, raising and replacing 3 manhole frame & covers throughout the City of Quincy. Work includes maintaining active services, providing temporary bypass pumping, plugging of flows, appurtenances, excavation, trench support, backfilling, restoration, paving, environmental protection, maintaining existing utilities and improvements, both below and above grade, in proximity to the Work at no additional expense to the Owner, maintaining and providing all traffic management required as directed and approved by the Engineer or City of Quincy Traffic Department, and providing materials, equipment, services and construction inherent to the Work as described in the City of Quincy Fiscal Year 2019 Sewer CIPP Improvements Project – Contract 1 Bidding Documents for Construction Issued February 2019.
IV. WORK AREAS

1. Colby Road, Sharon Road, Botolph Street & Faxon Road (Drawing Sheet C-100):
   - Location & Access – Typical residential neighborhood within roadway ROW.
   - Area known for high groundwater.
   - Temporary Bypass – All temporary bypass piping shall be located within the ROW and approved by Woodard & Curran prior to start of Work. Proper traffic and pedestrian management shall be shown on the Traffic Management Plan.
   - Traffic Management – Traffic controls are required to be approved by the City Traffic Engineer and Parking Director prior to beginning Work. All Work requires a minimum of two City of Quincy Police Detail Officers.

2. Watkins Street & Morse Street (Drawing Sheet C-101):
   - Location & Access – Typical residential neighborhood within roadway & in adjacent garden bed/dumpster area ROW.
   - Temporary Bypass – All temporary bypass piping shall be located within the ROW and approved by Woodard & Curran prior to start of Work. Proper traffic and pedestrian management shall be reflected on the Traffic Management Plans.
   - Traffic Management – Traffic controls are required to be approved by the City Traffic Engineer and Parking Director prior to beginning Work. All Work requires a minimum of two City of Quincy Police Detail Officers. If access is required from Quincy Shore Drive, a minimum of two Massachusetts State Police Detail Officers are required as well as an additional Traffic Management Plan approved by the City Engineer and the Massachusetts Department of Conservation and Recreation (DCR).
   - Work on Morse Street is not impacted by a nor should it impact any wetlands.

3. Merrymount Parkway, Furnace Brook Parkway & Armory Street (Drawing Sheet C-102):
   - Time Restriction – All Work shown on C-102 shall not begin until after July 7, 2019.
   - Location – Wetlands & Town Brook are located within the vicinity of temporary bypass piping and manhole rehabilitation work to be completed. MWRA Pumping Station, City Parks, MBTA Easement, Commonwealth of Massachusetts Easement & National Guard Facility are all located within the area of Work and resume coordination prior to start of Work.
   - Access – MBTA, MWRA, DCR & National Guard Right of Entry Agreements are being coordinated by Woodard & Curran and the City of Quincy. MWRA and DCR require their own Permits to be completed by the Contractor to proceed with Work. Access within fenced in areas surrounding Veterans Memorial Stadium shall be coordinated with Woodard & Curran and the Quincy Park and Forestry Department.
   - Temporary Bypass – Original intent was to mitigate temporary bypass piping crossing the Town Brook. In order to bypass Armory Street it is proposed to provide temporary bypass piping along Armory Street, down Hudson Street and into the discharge manhole 01790 on Butler Road. In order to bypass Furnace Brook and Merrymount Parkway, it is proposed to provide temporary bypass piping buried below the Parkway’s and temporary pavement patch. Following completion of the CIPP liner installation, temporary bypass piping shall be removed and final paving shall be completed on Merrymount Parkway as shown on the drawing and on Furnace Brook Parkway to DCR requirements. The City may consider alternate temporary bypass options. Alternate proposals should be submitted within 30 days after award of the Contract to be reviewed and approved by Woodard & Curran, DPW, DCR and the Conservation Agent so as not to impact overall schedule.
   - Pedestrian Safety – All above grade temporary bypass piping shall be protected on both sides by hay bales and orange construction fencing. Access to football stadium, soccer field, baseball field and parking lots shall not be impeded without prior approval from Woodard & Curran, Quincy Park and Forestry Department, Quincy Parking Director and Department of Public Works. All pedestrian management shall be shown on the Traffic Management Plan.
   - Traffic Management – Traffic controls are required to be approved by the City Traffic Engineer and Parking Director prior to beginning Work. Work to be completed on Merrymount Parkway and Armory Street require a minimum of two City of Quincy Police Detail Officers. Work to be completed on Furnace Brook Parkway requires a minimum of two Massachusetts State Police Detail Officers as well as an additional Traffic Management Plan approved by the City Engineer and DCR.
4. Newcomb Street (Drawing Sheet C-103):
   - Time Restriction – All Work shown on C-103 shall not begin until after June 24, 2019.
   - Location & Access – Typical residential roadway within the ROW with heavy traffic adjacent to YMCA and Quincy High School. Coordination with the Quincy Public School Superintendent is required prior to completing work requiring access to any manholes located on the Quincy High School property or sidewalks.
   - Area known for high groundwater.
   - Temporary Bypass – All temporary bypass piping shall be located within the ROW and approved by Woodard & Curran prior to start of Work. Proper traffic and pedestrian management shall be shown on the Traffic Management Plan.
   - Pedestrian Safety – All above grade temporary bypass piping off the roadway shall be protected on both sides by haybales and orange construction fencing. Access to Quincy High School and YMCA parking lots shall not be impeded without prior approval from the Woodard & Curran, Quincy Parking Director and Quincy Public Schools Superintendent.
   - Traffic Management – Traffic controls are required to be approved by the City Traffic Engineer and Parking Director prior to beginning Work. A minimum of two City of Quincy Police Detail Officers are required at all times while Work is being completed.

V. CONSTRUCTION
   - Permitting – Permits required are as follows:
     - Request for Determination of Applicability with attachments dated and executed February 6, 2019.
     - MWRA Permit – Contractor is responsible and required to complete CIPP liner installation and provide temporary bypass discharge locations.
     - DCR Permit – Contractor is responsible and required to complete work within and adjacent to Furnace Brook Parkway.
     - City of Quincy Street Opening Permit – Contractor is responsible and required for excavation Work to be complete within the City ROW.
   - Limits of Work – All Work shall be completed within the City of Quincy ROW, existing easements or properties with permission granted to the Contractor prior to completing Work.
   - Hours of Work – All Work may be completed during normal working hours of 7:30AM to 3:30PM, however the City would rather large diameter work be completed at night time to help assist in mitigating high flows, heavy traffic and pedestrian volume. All Work to be completed outside of normal working hours shall be approved by Woodard & Curran, City Traffic Engineer, Parking Director and DPW.
   - Equipment Staging, Storage and Protection – Contractor is required to provide their own storage and protection of equipment throughout the duration of the Project.
   - Fire Hydrant Access – Access to water is located at the DPW Garage at 55 Sea Street or at local hydrant as permitted by DPW. The Contractor may put a deposit down for a water meter at the Quincy Water Department located at 55 Sea Street. Coordination in morning and afternoon will be required for the Water Department to assist in connecting and disconnecting the water meter provide a water connection at a hydrant closer to area of Work. Reasonable volumes of water will be provided by City at no cost to the Contractor.
     - Heavy Cleaning Sediment/Debris Removal & Disposal – Addendum No. 1 includes revisions to the Bidding Documents to include an additional item for additional sediment/debris removal & disposal.

VI. OPEN COMMENTS
   - Question: Will the City provide an area for a container to be stored for sediment and debris removed prior to CIPP lining? Is all material removed to be incidental to the Work?  
     Answer: See response in Addendum No. 1.
   - Questions: Will all retainage be released after final completion or after warranty inspections are completed?  
     Answer: See response in Addendum No. 1.
SPECIFICATIONS

DIVISION 01 GENERAL REQUIREMENTS
01 11 00 Summary of Work
01 15 30 Payment and Administrative Procedures and Quality Requirements
01 20 25 Measurement and Payment
01 43 05 Qualification Requirements
01 50 00 Temporary Facilities and Controls
01 51 40 Temporary Sewage Bypass
01 60 00 Product Requirements
01 70 00 Execution and Closeout Requirements

DIVISION 31 - EARTHWORK
31 00 00 Earthwork
31 10 00 Site Clearing
35 50 00 Excavation Support and Protection

DIVISION 32 - EXTERIOR IMPROVEMENTS
32 12 16 Asphalt Paving
32 17 23 Pavement Markings
32 92 19 Seeding

DIVISION 33 - UTILITIES
33 01 30.10 Television Inspection and Cleaning of Sewers
33 01 30.61 Packer Injection Grouting
33 01 30.72 Cured In Place Pipe Lining
33 01 30.74 Cured In Place Lateral Lining
33 01 30.81 Sewerage Manhole Rehabilitation
33 39 13 Sewerage Manholes, Frames, and Covers

APPENDICES
Appendix A Quincy Conservation Commission Request for Determination of Applicability Request for Determination of Applicability
Order of Conditions
Appendix B Existing Record Drawings
Appendix C CCTV Inspection Logs
Appendix D Flow Monitoring Data

END OF SECTION
The submission of a Bid will constitute an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article 4, that without exception the Bid is premised upon performing and furnishing the Work required by the Bidding Documents and applying any specific means, methods, techniques, sequences, and procedures of construction that may be shown or indicated or expressly required by the Bidding Documents, that Bidder has given Engineer written notice of all conflicts, errors, ambiguities, and discrepancies that Bidder has discovered in the Bidding Documents and the written resolutions thereof by Engineer are acceptable to Bidder, and that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work.

ARTICLE 5 – PRE-BID CONFERENCE

A pre Bid conference will be held at the time, date and location as indicated in the Invitation to Bid. Bidders are strongly encouraged to attend and participate in the conference.

Addenda will be issued to all prospective Bidders of record considered necessary in response to questions arising at the conference by posting on the Owner’s website only. Oral statements may not be relied upon and will not be binding or legally effective. It is each Bidder’s responsibility to check the Owner’s website for Addenda per Paragraph 7.03.

ARTICLE 6 – SITE AND OTHER AREAS

The Site is identified in the Bidding Documents. Easements for permanent structures or permanent changes in existing facilities are to be obtained and paid for by Owner unless otherwise provided in the Bidding Documents. All additional lands and access thereto required for temporary construction facilities, construction equipment, or storage of materials and equipment to be incorporated in the Work are to be obtained and paid for by Contractor.

ARTICLE 7 – INTERPRETATIONS AND ADDENDA

All questions about the meaning or intent of the Bidding Documents are to be submitted to the Issuing Office, attention Kathryn R. Logan, Purchasing Agent, via fax 617-376-1074 or email (klogan@quincyma.gov) with a copy to Kim Trillcott (kimtrillcott@quincyma.gov).

The deadline for questions is 12:00 p.m. on Thursday, March 7, 2019. Only questions answered by Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect. Interpretations or clarifications considered necessary in response to such questions will be issued by Addenda.
7.03 Addenda may be issued to clarify, correct, or change the Bidding Documents as deemed advisable by Owner or Engineer, will be available for examination at the Issuing Office, will be posted on the Owner’s website as stated in the Invitation to Bid, and will not be mailed or faxed to registered Bidders. **It is each Bidder’s responsibility to check the website for Addenda.**

**ARTICLE 8 – BID SECURITY**

8.01 A Bid must be accompanied by Bid security made payable to Owner in an amount of 5 percent of Bidder’s maximum Bid price and in the form of a certified check, treasurer’s or cashier’s check, or money order, or a Bid bond on or consistent with the form included in the Bidding Documents in Section 00 43 13 issued by a surety meeting the requirements of Paragraphs 5.01 and 5.02 of the General and Supplementary Conditions, if any.

8.02 The Bid security of the apparent Successful Bidder will be retained until Owner awards the Contract to such Bidder, and such Bidder has furnished the required Contract security, insurance documentation and met the other conditions of the Notice of Intent to Award, Notice of Award, and executed the Contract Documents, whereupon the Bid security will be released. If the Successful Bidder fails to furnish the required Contract security, insurance documentation, and meet the other conditions as stated in the Notice of Intent to Award, Notice of Award, and execute and deliver the Contract Documents, Owner may consider Bidder to be in default, annul the Notice of Intent to Award or Notice of Award, and the Bid security of that Bidder will be forfeited. Such forfeiture shall be Owner’s exclusive remedy if Bidder defaults.

8.03 The Bid security of other Bidders that Owner believes to have a reasonable chance of receiving the award may be retained by Owner until the earlier of 7 days after the Effective Date of the Agreement or 91 days after the Bid opening, whereupon Bid security furnished by such Bidders will be returned. See Supplementary Instructions to Bidders (if any) for additional information.

8.04 Bid security of other Bidders that Owner believes do not have a reasonable chance of receiving the award will be returned within 5 days after the Bid opening.

**ARTICLE 9 – CONTRACT TIMES**

9.01 The number of days within which, or the dates by which, the Work is to be substantially completed and ready for final payment are set forth in the Agreement.

**ARTICLE 10 – LIQUIDATED DAMAGES**

10.01 Provisions for liquidated damages, if any, are set forth in the Agreement.
SECTION 00 43 22

UNIT PRICES FORM

Provide unit pricing for each Bid item in both words and figures. Provide Bid item totals in figures only.

Discrepancies between the multiplication of units of Work and unit prices will be resolved in favor of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum. Discrepancies between prices written in words and prices written in figures will be resolved in favor of prices written in words.

Unit Prices have been computed in accordance with Paragraph 11.03.A of the General Conditions and Supplementary Conditions, if any. Estimated quantities are not guaranteed and are solely for the purpose of comparison of Bids, and final payment for unit price items will be based on actual quantities determined and based on the unit prices included below as provided in the General Conditions and Supplementary Conditions, if any.

**BID PRICES SHALL EXCLUDE SALES AND USE TAX.**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Item Description with Unit or Lump Sum Price in Written Words</th>
<th>Estimated Quantity &amp; Unit</th>
<th>Unit Bid Price (Figures)</th>
<th>Total Bid Item Price (Figures)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mobilization &amp; Demobilization (Not to exceed 5 percent of the total sum of Items 2 thru 12) Excludes Items 13 thru 19 and 18</td>
<td>1</td>
<td>LS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>@ _______________________________ Dollars</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>and ___________________ Cents PER LUMP SUM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.a</td>
<td>8-Inch Cured-In-Place Pipe</td>
<td>1,150</td>
<td>LF</td>
<td></td>
</tr>
<tr>
<td></td>
<td>@ _______________________________ Dollars</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>and ___________________ Cents PER LINEAR FOOT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.b</td>
<td>10-Inch Cured-In-Place Pipe</td>
<td>800</td>
<td>LF</td>
<td></td>
</tr>
<tr>
<td></td>
<td>@ _______________________________ Dollars</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>and ___________________ Cents PER LINEAR FOOT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.c</td>
<td>15-Inch Cured-In-Place Pipe</td>
<td>2,050</td>
<td>LF</td>
<td></td>
</tr>
<tr>
<td></td>
<td>@ _______________________________ Dollars</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>and ___________________ Cents PER LINEAR FOOT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Item No.</td>
<td>Item Description with Unit or Lump Sum Price in Written Words</td>
<td>Estimated Quantity &amp; Unit</td>
<td>Unit Bid Price (Figures)</td>
<td>Total Bid Item Price (Figures)</td>
</tr>
<tr>
<td>---------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------</td>
<td>---------------------------</td>
<td>--------------------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>2.d</td>
<td>24-Inch x 36-Inch Cured-In-Place Pipe @ _______________________________________________Dollars</td>
<td>1,350</td>
<td>LF</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and ___________________Cents PER LINEAR FOOT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.e</td>
<td>30-Inch x 45-Inch Cured-In-Place Pipe @ _______________________________________________Dollars</td>
<td>1,100</td>
<td>LF</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and ___________________Cents PER LINEAR FOOT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.a</td>
<td>Testing of Mainline Joints 8-inch to 12-inch Pipe @ _______________________________________________Dollars</td>
<td>600</td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and ___________________Cents PER EACH</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.b</td>
<td>Testing of Mainline Joints 15-inch Pipe @ _______________________________________________Dollars</td>
<td>500</td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and ___________________Cents PER EACH</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.a</td>
<td>Sealing of Mainline Joints 8-inch to 12-inch Pipe @ _______________________________________________Dollars</td>
<td>600</td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and ___________________Cents PER EACH</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.b</td>
<td>Sealing of Mainline Joints 15-inch Pipe @ _______________________________________________Dollars</td>
<td>500</td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and ___________________Cents PER EACH</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Grout Service Connection @ _______________________________________________Dollars</td>
<td>150</td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and ___________________Cents PER EACH</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Additional Grout Pumped @ _______________________________________________Dollars</td>
<td>200</td>
<td>GAL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and ___________________Cents PER GALLON</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Full Wrap Lateral Connection Repair @ _______________________________________________Dollars</td>
<td>50</td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and ___________________Cents PER EACH</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Curtain Grouting of Manhole @ _______________________________________________Dollars</td>
<td>180</td>
<td>GAL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and ___________________Cents PER GALLON</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Cementitious Coating of Manhole @ _______________________________________________Dollars</td>
<td>18</td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and ___________________Cents PER EACH</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Replace 26-Inch Standard Manhole Frame &amp; Cover @ _______________________________________________Dollars</td>
<td>1</td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>and ___________________Cents PER EACH</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Item No.</td>
<td>Item Description with Unit or Lump Sum Price in Written Words</td>
<td>Estimated Quantity &amp; Unit</td>
<td>Unit Bid Price (Figures)</td>
<td>Total Bid Item Price (Figures)</td>
</tr>
<tr>
<td>---------</td>
<td>-------------------------------------------------------------</td>
<td>--------------------------</td>
<td>--------------------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>11</td>
<td>Locate, Raise and Replace 26-Inch Standard Manhole Frame &amp; Cover</td>
<td>3</td>
<td>EA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>@ ________________________________________________________Dollars and ____________Cents PER EACH</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Environmental Protection (Hay Bales/Silt Fence)</td>
<td>3,000</td>
<td>LF</td>
<td></td>
</tr>
<tr>
<td></td>
<td>@ ________________________________________Dollars and ____________Cents PER LINEAR FOOT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Owner’s Contingency Allowance for Additional Night Work Required</td>
<td>24</td>
<td>HR</td>
<td></td>
</tr>
<tr>
<td></td>
<td>@ ________________________________________________________Dollars and ____________Cents PER HOUR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Owner’s Contingency Allowance for Additional Weekend Work Required</td>
<td>32</td>
<td>HR</td>
<td></td>
</tr>
<tr>
<td></td>
<td>@ ________________________________________________________Dollars and ____________Cents PER HR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Owner’s Contingency Allowance for Additional Night Work Traffic Management Controls Required</td>
<td>24</td>
<td>HR</td>
<td></td>
</tr>
<tr>
<td></td>
<td>@ ________________________________________________________Dollars and ____________Cents PER HR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Owner’s Contingency Allowance for Additional Weekend Work Traffic Management Controls Required</td>
<td>32</td>
<td>HR</td>
<td></td>
</tr>
<tr>
<td></td>
<td>@ ________________________________________________________Dollars and ____________Cents PER HR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Owner’s Contingency Allowance for Additional Heavy Cleaning Required Including Storage, Testing and Disposal NOT TO EXCEED</td>
<td>1</td>
<td>N/A</td>
<td>$20,000.00</td>
</tr>
<tr>
<td></td>
<td>@ Twenty Thousand Dollars and Zero Cents NTE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Owner’s Contingency Allowance for Traffic Police Details NOT TO EXCEED</td>
<td>1</td>
<td>N/A</td>
<td>$25,000.00</td>
</tr>
<tr>
<td></td>
<td>@ Twenty-Five Thousand Dollars and Zero Cents NTE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>Owner’s Contingency Allowance for Materials Escalation price Adjustment (per Paragraph 11.02 of the General Conditions) NOT TO EXCEED</td>
<td>1</td>
<td>N/A</td>
<td>$25,000.00</td>
</tr>
<tr>
<td></td>
<td>@ Twenty-Five Thousand Dollars and Zero Cents NTE</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TOTAL BID PRICE (based on Unit Price Schedule above). INCLUDE ON BID FORM

__________________________________________________________

__________________________________________________________ Dollars and

__________________________________________________________ Cents $ (Use words) (Use figures)

END OF SECTION
This Page is Left Intentionally Blank
SECTION 00 52 10

AGREEMENT FORM

THIS AGREEMENT is by and between City of Quincy, MA ("Owner") and __________________________ ("Contractor"). Owner and Contractor hereby agree as follows.

ARTICLE 1 – WORK

1.01 Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as Fiscal Year 2019 Sewer CIPP Improvements, which includes, but is not limited to furnish and install cured-in-place gravity sewer pipe in various sizes throughout the City of Quincy and all materials and equipment, services and construction inherent to the Work. The Work includes the principal features described in Section 01 11 00.

ARTICLE 2 – THE PROJECT

2.01 The Project under the Contract Documents is generally described as “Fiscal Year 2019 Sewer CIPP Improvements Quincy MA”.

ARTICLE 3 – ENGINEER

3.01 The Project has been designed by Woodard & Curran, Inc. (Engineer), which is to act as Owner’s representative, assume all duties and responsibilities and have the rights and authority assigned to Engineer in the Contract Documents in connection with the completion of the Work in accordance with the Contract Documents.

ARTICLE 4 – CONTRACT TIMES

4.01 Time of the Essence

A. All time limits for Milestones, if any, Substantial Completion, completion of Substantial Completion Punchlist, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

4.02 Substantial Completion and Final Payment

A. The Work shall be substantially complete within 490 calendar days from the commencement of Contract Time as provided in Paragraph 2.03 of the Standard General Conditions.
B. The Post Substantial Completion Punchlist shall be complete in accordance with Paragraph 14.07 of the Standard General and Supplementary Conditions (all Work except Warranty Inspection) within 120 calendar days from the commencement of Contract Time.

C. The Work shall be ready for final payment in accordance with Paragraph 14.10 of the Standard General and Supplementary Conditions (Warranty Inspection complete) 14 calendar days prior to expiration of the Warranty Period (351 days from Substantial Completion).

4.03 Liquidated Damages

A. Contractor and Owner recognize that time is of the essence as stated in Paragraph 4.01 above and that Owner will suffer financial loss if the Work is not completed within the times specified in Paragraph 4.02 above, plus any extensions thereof allowed in accordance with Article 12 of the Standard General and Supplementary Conditions, if any. The parties also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty), Contractor shall pay Owner as follows.

1. $2,000 for each day that expires after the time specified in Paragraph 4.02 above for Substantial Completion until the Work is substantially complete.

2. After Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work except for Warranty Inspection and final paving (completion of Post Substantial Completion Punchlist) within the Contract Time or any proper extension thereof granted by Owner, Contractor shall pay Owner $2,000 for each day that expires after the time specified in Paragraph 4.02 above.

3. If Contractor shall neglect, refuse, or fail to complete the Warranty Inspection within the Contract Time specified in Paragraph 4.02 above or any proper extension thereof granted by Owner, Contractor shall pay Owner an amount equal to 2 percent of the total Contract Price.
2. Maintain access to facilities for the Owner and MWRA throughout the Project.

1.05 SPECIAL REQUIREMENTS

A. Portions of the Work are within the FEMA 100-year floodplain and within the 100 foot buffer to the coastal bank and are subject to the jurisdiction of the Conservation Commission. Comply with the special requirements of the Request for Determination of Applicability included in Appendix A.

A.B. Contractor shall provide all water control and dewatering required to complete CIPP lining activities in accordance with Section 01 50 00, Part 1.03.B.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION
This page left intentionally blank
SECTION 01 20 25

MEASUREMENT AND PAYMENT

PART 1 - GENERAL

1.01 DESCRIPTION

A. This Section describes the measurement and payment for the Work to be completed under each item in Section 00 43 22 Unit Prices Form, which may also be referred to as “pay item”.

B. Payment procedures are in accordance with the Agreement, Article 14 of the General Conditions, the Supplementary Conditions (if any), and the General Requirements.

C. Measurement: as determined, verified, or approved by Engineer or Owner in accordance with Paragraph 11.03 of the General Conditions, the Supplementary Conditions (if any), and the General Requirements, except as otherwise specified.

D. The Work described in each pay item shall be as described in the Specifications and shown on the Drawings and not included in other pay items.

1. Pay item descriptions are general and may not specifically describe all associated Work or elements thereof, do not constitute Specifications, and do not supersede the content of the Specifications and Drawings.

2. Review the Specifications and Drawings for Work associated with each pay item. Claims for being unfamiliar with the content of the Specifications and Drawings will not be considered.

E. The following Work is not specifically described or designated as a pay item, is considered incidental to all pay items, and shall not be measured separately for payment.

1. Division 01 General Requirements EXCEPT those items included in Mobilization/Demobilization and included as a separate pay item.

2. Materials, equipment, and services necessary to verify existing field conditions and the location, size, type, material, and orientation of existing pipes and utilities shown on the Drawings including test pits.

3. Restoration of all areas and features disturbed by the Contractor within the limits of Work, including planting.
4. Field and laboratory testing and reporting by independent laboratory, including but not limited to compaction of backfill materials; aggregate gradation; and concrete testing

F. Payment will not be made for restoration of areas disturbed by the Contractor outside the limits of Work.

G. Payment will only be made for those utility services, including water and fire services, specifically identified for replacement on the Drawings. Relocation or replacement for the Contractor’s convenience or due to breakage by the Contractor of any other utility services shown on the Drawings, or at locations which could reasonably be assumed, shall be at no cost to Owner.

H. Design, installation and removal of excavation support systems, temporary and permanent utility/structure support systems associated with a pay item shall be considered incidental to that pay item.

I. Additional dewatering and erosion control (including installation, operation, maintenance, removal and off-Site disposal of erosion control devices) associated with a pay item shall be considered incidental to that pay item.

J. Pay items identified as a Contingency Allowance will be processed per Article 11.02 of the General Conditions and Supplementary Conditions.

1.02 MEASUREMENT AND PAYMENT BASIS

<table>
<thead>
<tr>
<th>ITEM 1 – Mobilization/Demobilization</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measurement</strong></td>
</tr>
<tr>
<td><strong>Payment</strong></td>
</tr>
<tr>
<td><strong>Schedule of Payment</strong></td>
</tr>
</tbody>
</table>

Includes delivery to and removal of equipment from the Project Site, temporary utilities, facilities and controls, obtaining necessary permits including associated fees, insurance and bond costs, signage, development of pre-construction schedules and plans required by the General Conditions, Supplementary Conditions and General Requirements; necessary pre-construction investigations, verifying existing field conditions, coordination, and Site clean-up, restoration and closeout. Note Owner will waive fees associated with Owner’s permits and costs for these permits shall not be included in this item. Contractor shall be responsible for any third party permit fees.
ITEM 13 – **Owner’s Contingency Allowance for Additional Night Work Required**

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Portion of Owner’s contingency allowance amount authorized per Paragraph 11.02 of the General Conditions and Supplementary Conditions. As measured from the time Traffic Management Controls are in place to the time they are removed from the roadway.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Payment</td>
<td>Per hour, Percent of not to exceed contingency amount authorized by Change Order</td>
</tr>
<tr>
<td>Schedule of Payment</td>
<td>Monthly based on quantity completed</td>
</tr>
</tbody>
</table>

Includes but is not limited to all labor, material and equipment required for additional costs incurred to complete Work at night or beyond normal business hours of 7:30AM to 3:30PM as directed by the City. **This Item shall not be used prior to written approval from the Department of Public Works Commissioner.**

ITEM 14 – **Owner’s Contingency Allowance for Additional Weekend Work Required**

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Portion of Owner’s contingency allowance amount authorized per Paragraph 11.02 of the General Conditions and Supplementary Conditions. As measured from the time Traffic Management Controls are in place to the time they are removed from the roadway.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Payment</td>
<td>Per hour, Percent of not to exceed contingency amount authorized by Change Order</td>
</tr>
<tr>
<td>Schedule of Payment</td>
<td>Monthly based on quantity completed</td>
</tr>
</tbody>
</table>

Includes but is not limited to all labor, material and equipment required for additional costs incurred to complete Work on weekends as directed by the City. **This Item shall not be used prior to written approval from the Department of Public Works Commissioner.**
| **ITEM 15** – **Owner’s Contingency Allowance for Additional Night Work Traffic**  
| Management Controls Required  
| Measurement | Portion of Owner’s contingency allowance amount authorized per Paragraph 11.02 of the General Conditions and Supplementary Conditions. As measured from the time Traffic Management Controls are in place to the time they are removed from the roadway.  
| Payment | Per hour. Percent of not to exceed contingency amount authorized by Change Order  
| Schedule of Payment | Monthly based on quantity completed  
|  
| Includes but is not limited to all labor, material and equipment required for additional Traffic Management Control costs incurred to complete Work at night or beyond normal business hours of 7:30AM to 3:30PM as directed by the City. This Item shall not be used prior to written approval from the Department of Public Works Commissioner.  

| **ITEM 1614** – **Owner’s Contingency Allowance for Additional Weekend Work Traffic**  
| Management Controls Required  
| Measurement | As measured from the time Traffic Management Controls are in place to the time they are removed from the roadway.  
| Payment | Per hour. Percent of not to exceed contingency amount authorized by Change Order  
| Schedule of Payment | Monthly based on quantity completed  
|  
| Includes but is not limited to all labor, material and equipment required for additional Traffic Management Control costs incurred to complete Work on weekends as directed by the City. This Item shall not be used prior to written approval from the Department of Public Works Commissioner.  

ADDENDUM NO. 1  
WOODARD & CURRAN
### ITEM 17 – Owner’s Contingency Allowance for Additional Heavy Cleaning Required Including Storage, Testing and Disposal

<table>
<thead>
<tr>
<th><strong>Measurement</strong></th>
<th>Portion of Owner’s contingency allowance amount authorized per Paragraph 11.02 of the General Conditions and Supplementary Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Payment</strong></td>
<td>Per Ton. Percent not to exceed contingency amount authorized by Change Order</td>
</tr>
<tr>
<td><strong>Schedule of Payment</strong></td>
<td>Monthly based on actual</td>
</tr>
</tbody>
</table>

Includes but is not limited to all material, equipment, labor, tools and services required to provide heavy cleaning, complete removal, storage, containment, erosion controls, testing and disposal of sediment and debris collected during pre-lining CCTV inspection including any associated costs or fees with legally disposing of the material in accordance to all Local, State and Federal rules and regulations.

### ITEM 1817 – Owner’s Contingency Allowance for Traffic Police Details

<table>
<thead>
<tr>
<th><strong>Measurement</strong></th>
<th>Actual wages and fringes paid to police officers based upon invoices and/or payroll records excluding overtime and Contractor markup and/or administration fees</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Payment</strong></td>
<td>Percent of not to exceed contingency amount based upon direct costs incurred for Police Details after confirmation of Police Department payment</td>
</tr>
<tr>
<td><strong>Schedule of Payment</strong></td>
<td>Monthly based on actual</td>
</tr>
</tbody>
</table>

Direct cost of Police Details excluding overtime and Contractor markup and/or administration fees. Contractor shall not receive payment for any unused portion of the contingency allowance. Excluded: Charges for Police Details not canceled in accordance with Police Department policies and procedures.

### ITEM 1918 – Owner’s Contingency Allowance for Materials Escalation Price Adjustment (statutory requirement) (per Paragraph 11.02 of the General Conditions)

<table>
<thead>
<tr>
<th><strong>Measurement</strong></th>
<th>Portion of Owner’s contingency allowance amount authorized per Paragraph 11.02 of the General Conditions and Supplementary Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Payment</strong></td>
<td>Percent of not to exceed contingency amount authorized by Change Order</td>
</tr>
<tr>
<td><strong>Schedule of Payment</strong></td>
<td>Monthly as authorized by Change Order</td>
</tr>
</tbody>
</table>

For price adjustments for materials escalation of Liquid Asphalt, Diesel Fuel, Gasoline, and Portland Cement per statutory requirements in accordance with Section 00 73 73. Contractor shall not receive payment for any unused portion of the contingency allowance.

**END OF SECTION**
This page left intentionally blank
6. Design, furnish, install, maintain, operate and remove temporary
dewatering systems as required to lower and control water levels and
hydrostatic pressures in excavations during construction; legally dispose of
pumped water; construct, maintain, observe and, except where indicated or
required to remain in place, remove dewatering equipment and system at
the completion of construction.

a. Dewatering may include: lowering the water table, intercepting and
collecting seepage which may penetrate the support of excavation,
slopes or bottom of the excavation; increasing the stability of
excavated slopes; preventing loss of material from beneath the
slopes or bottom of the excavation; reducing lateral loads on
sheeting and bracing; limiting horizontal displacements and stresses
in support of excavation to tolerable and allowable levels;
preventing displacements of existing structures, utilities, pavements,
and sidewalks; improving the excavation and hauling characteristics
of sandy soil; preventing rupture or heaving of the bottom of any
excavation; and disposing of pumped water.

7. All water control and dewatering references to excavation Work shall also
apply to all CIPP lining activities.

C. Erosion and Sediment Control: as specified below.

1. Comply with:
   a. Request for Determination of Applicability included in Appendix A
   b. MassDEP requirements throughout the Project
   c. MassDOT requirements within State rights of way
   d. Massachusetts Erosion and Sediment Control Guidelines for Urban
      and Suburban Areas, prepared by the MassDEP

2. Plan and execute construction using methods to control surface drainage
   from cuts and fills, from borrow and waste disposal areas and prevent
   erosion and sedimentation.

3. Submit erosion and sediment control plan to Engineer prior to the start of
   construction.

4. Install erosion and sediment controls as shown on the Drawings and as
   required by Laws and Regulations. Install additional erosion and
   sedimentation control measures as necessary to stabilize the Site.
   Coordinate temporary erosion controls with permanent erosion controls to
   the extent practical. Provide and maintain devices to control erosion,
   siltation, and sedimentation that occur during construction operations.
   Undertake reasonable precautions and measures to avoid erosion of soil and
5. Employ pollution prevention measures, erosion and sedimentation control before, during, and after soils are exposed. Implement measures prior to soil disturbance or soil storage to the extent possible to ensure that such measures are in place before activity occurs and employ additional measures as the Work progresses. Implement and maintain as necessary until the Site is permanently stabilized.

6. Perform inspections of disturbed soil areas, material storage areas exposed to precipitation, and erosion control measures with Engineer a minimum of once every 14 days and also within 24 hours after any storm event greater than 0.5 inches of rainfall. Immediately correct deficiencies in the erosion control measures identified or indicated by failures or erosion by implementing additional measures or different techniques to correct and prevent subsequent erosion at no additional cost to Owner.

7. In the event that silt or debris breaches erosion control, immediately remove and clean silt or debris from drainage ditches and storm sewers and revise erosion control measures as required by the Conservation Commission or the Engineer. Should silt or debris breach erosion controls and reach rivers, streams or lakes, immediately notify local, state or Federal representatives as required and implement required remediation methods at no additional cost to Owner.

8. Limit duration of the exposure of soils on embankments, excavations, and graded areas to a minimum.

9. Provide temporary measures such as berms, dikes and drains to prevent water flow. Install erosion control measures in any ditch, swale or channel before water is allowed to flow in the waterway. Handle water pumped from trenches to minimize discharge of silty water to the maximum extent practicable.

10. Stabilize storm drain outfalls before the discharge points become operational. Install inlet protection immediately upon construction of culverts.

11. Stabilize disturbed areas with temporary and permanent erosion control practices as soon as practicable, but no more than 14 days after construction activity on a particular portion of the Site has temporarily or permanently ceased. Exceptions to this time requirement include: a) where construction activities will resume on the particular portion of the Site within 21 days; and b) where snow cover delays initiation of stabilization measures.

12. Place stockpiled topsoil on the Site away from natural drainages, in piles with side slopes of 50 percent to 70 percent. Install siltation fence around
3. Pursuant to Paragraph 4.04 of the Standard General and Supplementary Conditions, if any, existence and location of Underground Facilities and other utilities and construction indicated as existing are not guaranteed. Before beginning Work investigate and verify the existence and location of Underground Facilities and other utilities and construction.

   a. Contact DIGSAFE (www.digsafe.com) by dialing 811.

4. Paragraph 4.05 of the Standard General and Supplementary Conditions, if any, covers Reference Points.

5. Paragraph 4.06 of the Standard General and Supplementary Conditions, if any, covers Hazardous Environmental Conditions at Site.

5.6. Contractor shall provide all water control and dewatering required to complete CIPP lining activities in accordance with Section 01 50 00, Part 1.03.B.

C. Field Engineering: Not required for the Project.

D. Record Documents

1. Provide record documents in accordance with Paragraph 6.12 of the Standard General and Supplementary Conditions, if any, and in accordance with Section 01 15 30.

2. Store record documents separate from documents used for construction. Record information concurrent with construction progress.

3. Legibly mark each item to record description of actual equipment and material installed and actual construction on the Drawings and approved submittals, including the following.

   a. Manufacturer's name and equipment and material model and number
   b. Material and equipment substitutions or alternates utilized
   c. Approved changes
   d. Measured depths of foundations
   e. Measured horizontal and vertical locations of Underground Facilities and appurtenances, referenced to permanent surface improvements
   f. Measured locations of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of the Work
   g. Field changes of dimension and detail
ADDENDUM NO. 1
For use with EJCDC 2007
WOODARD & CURRAN

EXECUTION AND CLOSEOUT REQUIREMENTS
01 70 00-4
APPENDIX A

CONSERVATION COMMISSION
REQUEST FOR DETERMINATION OF APPLICABILITY
ORDER OF CONDITIONS

CONSERVATION COMMISSION
ORDER OF CONDITIONS
ADDENDUM NO. 1
WOODARD & CURRAN
REQUEST FOR DETERMINATION OF APPLICABILITY
APPENDIX A-1
This page intentionally left blank
A. General Information

From:
Quincy
Conservation Commission

To: Applicant
City of Quincy, DPW
55 Sea Street
Name
Mailing Address
Quincy MA 02169
City/Town State Zip Code

Property Owner (if different from applicant):

Name
Mailing Address
City/Town State Zip Code

1. Title and Date (or Revised Date if applicable) of Final Plans and Other Documents:
   Site Location Map, Varies
   Title
   Date

2. Date Request Filed:
   January 18, 2019

B. Determination

Pursuant to the authority of M.G.L. c. 131, § 40, the Conservation Commission considered your Request for Determination of Applicability, with its supporting documentation, and made the following Determination.

Project Description (if applicable):

Municipal Sewer Maintenance Project throughout various sections of the city to provide approximately 8,425 linear feet of cured-in-place pipe liner.

Project Location:
55 Sea Street/City Wide
Quincy
Street Address
City/Town
Per attached Assessors Plan
Per attached
Assessors Map/Plat Number
Parcel/Lot Number
B. Determination (cont.)

The following Determination(s) is/are applicable to the proposed site and/or project relative to the Wetlands Protection Act and regulations:

Positive Determination
Note: No work within the jurisdiction of the Wetlands Protection Act may proceed until a final Order of Conditions (issued following submittal of a Notice of Intent or Abbreviated Notice of Intent) or Order of Resource Area Delineation (issued following submittal of Simplified Review ANRAD) has been received from the issuing authority (i.e., Conservation Commission or the Department of Environmental Protection).

☐ 1. The area described on the referenced plan(s) is an area subject to protection under the Act. Removing, filling, dredging, or altering of the area requires the filing of a Notice of Intent.

☐ 2a. The boundary delineations of the following resource areas described on the referenced plan(s) are confirmed as accurate. Therefore, the resource area boundaries confirmed in this Determination are binding as to all decisions rendered pursuant to the Wetlands Protection Act and its regulations regarding such boundaries for as long as this Determination is valid.

☐ 2b. The boundaries of resource areas listed below are not confirmed by this Determination, regardless of whether such boundaries are contained on the plans attached to this Determination or to the Request for Determination.

☐ 3. The work described on referenced plan(s) and document(s) is within an area subject to protection under the Act and will remove, fill, dredge, or alter that area. Therefore, said work requires the filing of a Notice of Intent.

☐ 4. The work described on referenced plan(s) and document(s) is within the Buffer Zone and will alter an Area subject to protection under the Act. Therefore, said work requires the filing of a Notice of Intent or ANRAD Simplified Review (if work is limited to the Buffer Zone).

☐ 5. The area and/or work described on referenced plan(s) and document(s) is subject to review and approval by:

Name of Municipality

Pursuant to the following municipal wetland ordinance or bylaw:

Name

Ordinance or Bylaw Citation
B. Determination (cont.)

☐ 6. The following area and/or work, if any, is subject to a municipal ordinance or bylaw but not subject to the Massachusetts Wetlands Protection Act:

☐ 7. If a Notice of Intent is filed for the work in the Riverfront Area described on referenced plan(s) and document(s), which includes all or part of the work described in the Request, the applicant must consider the following alternatives. (Refer to the wetland regulations at 10.58(4)c. for more information about the scope of alternatives requirements):

☐ Alternatives limited to the lot on which the project is located.

☐ Alternatives limited to the lot on which the project is located, the subdivided lots, and any adjacent lots formerly or presently owned by the same owner.

☐ Alternatives limited to the original parcel on which the project is located, the subdivided parcels, any adjacent parcels, and any other land which can reasonably be obtained within the municipality.

☐ Alternatives extend to any sites which can reasonably be obtained within the appropriate region of the state.

Negative Determination

Note: No further action under the Wetlands Protection Act is required by the applicant. However, if the Department is requested to issue a Superseding Determination of Applicability, work may not proceed on this project unless the Department fails to act on such request within 35 days of the date the request is post-marked for certified mail or hand delivered to the Department. Work may then proceed at the owner's risk only upon notice to the Department and to the Conservation Commission.

Requirements for requests for Superseding Determinations are listed at the end of this document.

☐ 1. The area described in the Request is not an area subject to protection under the Act or the Buffer Zone.

☒ 2. The work described in the Request is within an area subject to protection under the Act, but will not remove, fill, dredge, or alter that area. Therefore, said work does not require the filing of a Notice of Intent.

☐ 3. The work described in the Request is within the Buffer Zone, as defined in the regulations, but will not alter an Area subject to protection under the Act. Therefore, said work does not require the filing of a Notice of Intent, subject to the following conditions (if any).

☐ 4. The work described in the Request is not within an Area subject to protection under the Act (including the Buffer Zone). Therefore, said work does not require the filing of a Notice of Intent, unless and until said work alters an Area subject to protection under the Act.
B. Determination (cont.)

☐ 5. The area described in the Request is subject to protection under the Act. Since the work described therein meets the requirements for the following exemption, as specified in the Act and the regulations, no Notice of Intent is required:

Exempt Activity (site applicable statutory/regulatory provisions)

☐ The area and/or work described in the Request is not subject to review and approval by:

Quincy
Name of Municipality
Pursuant to a municipal wetlands ordinance or bylaw.
Quincy Wetlands Protection Act
Name
401–87
Ordinance or Bylaw Citation

C. Authorization

This Determination is issued to the applicant and delivered as follows:

☐ by hand delivery on

☐ by certified mail, return receipt requested on

Date

Date

This Determination is valid for three years from the date of issuance (except Determinations for Vegetation Management Plans which are valid for the duration of the Plan). This Determination does not relieve the applicant from complying with all other applicable federal, state, or local statutes, ordinances, bylaws, or regulations.

This Determination must be signed by a majority of the Conservation Commission. A copy must be sent to the appropriate DEP Regional Office (see http://www.mass.gov/eea/agencies/massdep/about/contacts/) and the property owner (if different from the applicant).

Signatures:

Jeffrey Graeber
John T. Brennion
Tori LaBate

Maureen Glynn
Thomas Carroll
E. James Iorio

February 6, 2019
Date
D. Appeals

The applicant, owner, any person aggrieved by this Determination, any owner of land abutting the land upon which the proposed work is to be done, or any ten residents of the city or town in which such land is located, are hereby notified of their right to request the appropriate Department of Environmental Protection Regional Office (see http://www.mass.gov/eea/agencies/massdep/about/contacts/) to issue a Superseding Determination of Applicability. The request must be made by certified mail or hand delivery to the Department, with the appropriate filing fee and Fee Transmittal Form (see Request for Departmental Action Fee Transmittal Form) as provided in 310 CMR 10.03(7) within ten business days from the date of issuance of this Determination. A copy of the request shall at the same time be sent by certified mail or hand delivery to the Conservation Commission and to the applicant if he/she is not the appellant. The request shall state clearly and concisely the objections to the Determination which is being appealed. To the extent that the Determination is based on a municipal ordinance or bylaw and not on the Massachusetts Wetlands Protection Act or regulations, the Department of Environmental Protection has no appellate jurisdiction.
This page left intentionally blank