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**Jones & Henry Engineers, Ltd.**

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**Northwestern Water and Sewer District  
Belmont Area Water Main Replacements  
WL-146A**

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**ADDENDUM 1**

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September 5, 2025

Planholders of the Northwestern Water and Sewer District, Belmont Area Water Main Replacements, WL-146A, project are hereby notified of the following amendments to the Contract Documents. This Addendum is hereby made a part of the Contract Documents.

**SPECIFICATIONS**

***Insert C-614 - Maintenance and Guarantee Bond after section C-610 - Performance Bond***

***Insert 01820 - Video Recording of Underground Infrastructure after section 01810 Video Recording***

Attachments: C-614 - Maintenance and Guarantee Bond, 01820 - Video Recording of Underground Infrastructure

**RECEIPT OF THIS ADDENDUM MUST BE ACKNOWLEDGED ON PAGE C-410 - 1 OF THE BID.**

**MAINTENANCE AND GUARANTEE BOND**

KNOW ALL MEN BY THESE PRESENTS, that \_\_\_\_\_  
\_\_\_\_\_, Contractor, as Principal and \_\_\_\_\_  
\_\_\_\_\_, as Surety, are held and firmly bound  
unto Northwestern Water & Sewer District, hereinafter called the Owner, in the penal sum of  
\_\_\_\_\_ dollars (\$ \_\_\_\_\_), good and lawful money of the United States of  
America to be paid to said Owner, its legal representatives and assigns, for which payment well and truly  
to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, and each and  
every one of them jointly and severally, firmly by these presents.

WHEREAS, the above-named Principal has entered into a certain written Agreement with the  
Owner, dated the \_\_\_\_\_ day of \_\_\_\_\_ A.D. 20\_\_\_\_, for  
construction of work entitled Belmont Area Water Main Replacements, WL-146A, (hereinafter called the  
Contract) which Contract and Specifications for said work shall be deemed a part hereof as fully as if set  
out herein.

NOW, THEREFORE, THE CONDITIONS OF THIS OBLIGATION ARE SUCH, that by and under said  
Contract, the above-named Principal has agreed with the Owner that for a period specified in paragraph  
15.08. of the General Conditions, to keep in good order and repair any defect in all the work done under  
said Contract either by the Principal or his Subcontractors, or his material suppliers, that may develop  
during said period due to improper materials, defective equipment, workmanship or arrangements, and  
any other work affected in making good such imperfections, shall also be made good all without expense  
to the Owner, excepting only such part or parts of said work as may have been disturbed without the  
consent or approval of the Principal after the final acceptance of the work, and that whenever directed  
\_\_\_\_\_

so to do by the Owner by notice served in writing, either personally or by mail on the Principal at

\_\_\_\_\_

OR

\_\_\_\_\_

legal representatives, or successors, or on the Surety at \_\_\_\_\_

\_\_\_\_\_

WILL PROCEED at once to make such repairs as directed by said Owner; and in case of failure so to do within one week from the date of service of such notice, or within reasonable time not less than one week, as shall be fixed in said notice, then the Owner shall have the right to purchase such materials and employ such labor and equipment as may be necessary for the purpose, and to undertake, do and make such repairs, and charge the expense thereof, to and receive same from said Principal or Surety. If any repair is necessary to be made at once to protect life and property, then and in that case, the Owner may take immediate steps to repair or barricade such defects without notice to the Contractor. In such accounting, The Owner shall not be held to obtain the lowest figures for the doing of the work, or any part thereof, but all sums actually paid therefore shall be charged to the Principal or Surety. In this connection, the judgment of the Owner is final and conclusive. If the said Principal for a period specified in paragraph 15.08. of the General Conditions and, shall keep said work so constructed under said Contract in good order and repair, excepting only such part or parts of said work which may have been disturbed without the consent or approval of said Principal after the final acceptance of the same, and shall whenever notice is given as hereinbefore specified, at once proceed to make repair as in said notice directed, or shall reimburse said Owner for any expense incurred by making such repairs, should the Principal or Surety fail to do as hereinbefore specified, and shall fully indemnify, defend, and save harmless the Owner from all suits and actions for damages of every name and description brought or claimed against it for or on account of any injury or damage to person or property received or sustained by any party or parties, by or from any of the acts or omissions or through the negligence of said Principal, servants, agents, or employees, in the prosecution of the work included in said Contract, then the above obligation shall be void, otherwise to remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have caused this instrument to be executed by their respective authorized officers this \_\_\_\_\_ day of \_\_\_\_\_ A.D. 20\_\_.

Signed, Sealed, and Delivered

In the Presence of:

Witnesses:

_____	_____
Printed	
_____	_____ (Seal)
Signature	Principal
_____	_____
Printed	
_____	_____ (Seal)
Signature	Surety

I hereby approve the form and correctness of the foregoing Bond.

\_\_\_\_\_  
Owner's Legal Officer

Date: \_\_\_\_\_

**SECTION 01820**  
**VIDEO RECORDING OF UNDERGROUND INFRASTRUCTURE**

**PART 1 GENERAL**

**1.01 SCOPE**

- A. This Section includes the requirements for video documentation of underground facilities.
- B. The Contractor shall provide personnel, transportation, recording equipment, power, and materials, to produce color video records of existing or new underground pipelines, structures, designated service pipes and as directed.
- C. The Contractor shall provide traffic control, flow control, bypass pumping and cleaning of underground pipelines, structures and designated service pipe in order to produce video documents.

**1.02 SCHEDULE OF WORK**

- A. Before proceeding with the work, the video recording contractor shall consult with the Engineer concerning the following:
  - 1. Scheduling recording to precede construction.
- B. The Owner will obtain permission for the recording crew to enter private property not included in an easement. The Contractor shall provide a schedule of locations 30 days in advance of Work. The Contractor shall coordinate access with Owner and adhere to the schedule.

**1.03 DEFINITIONS**

- A. Video recording shall include producing video records of the area within the underground infrastructure as designated and as specified herein.

**1.04 SUBMITTALS**

- A. Submittals shall be in accordance with the requirements of Section 01300 and shall include:
  - 1. Shop Drawings for Review:
    - a. Provide a minimum of two copies of the video.
  - 2. Information for the Record:
    - a. The Contractor shall submit, prior to starting Work, at his own expense, a sample color USB flash or USB hard drives meeting the contract requirements and upon request, must submit at least three letters of reference for the video firm pertinent to the performance and

satisfactory completion of color video projects from various municipalities.

## **PART 2 PRODUCTS**

### **2.01 VIDEO RECORDING**

- A. Picture Quality - Video output from camera(s) shall be produced at a minimum of 720 by 480 resolution. Camera(s) shall also produce optimum color imagery with a minimum of 20-foot-candles of illumination.
- B. Displays - All video shall, by electronic means, display (visible on the playback viewer) continuously and simultaneously generated transparent digital information which shall include the date and time of recording, as well as the corresponding planned station numbers. The date information shall contain the month, day, and year. The time information shall consist of hours, minutes, and seconds, separated by punctuation marks. Below the stationing, periodic transparent alpha/numeric information shall appear. The information shall consist of the name of the project, name of area covered, direction of travel, viewing side, and any other pertinent data.

### **2.02 VIDEO OUTPUTTING**

- A. Video recording shall be a digital file format such as MPEG, MP3, MP4, Wave or WMV or other current standard file formats as approved by Engineer.
- B. The electronic file organization shall reasonably match the project stationing with file names including the station number, street names and manhole numbers with distances measured from entry to exit manholes. The system shall start at the lower end of sections of the planned system and proceed upstream, completing one section before starting another.
- C. The electronic files shall be stored on a single solid-state memory device, such as a jump/thrum drive, external hard drive. The solid-state memory device shall have a USB for connection to a computer. The memory volume on the storage device shall be adequate to store the electronic video files in an unzipped capacity along with any associated or embedded data files.

### **2.03 AUXILIARY LIGHTING**

- A. Auxiliary lighting shall be used wherever necessary to ensure clarity of picture.

## **PART 3 EXECUTION**

### **3.01 PERSONNEL**

- A. The Work shall be performed by competent personnel with knowledge of the procedures and methods to produce satisfactory records as specified herein.

### **3.02 PRODUCTION**

- A. Recording shall be composed in such a manner that:
  - 1. Filming shall, in general, proceed in the direction of the planned stationing.
- B. Recorded Contents:
  - 1. Readily recognizable objects shall be identified visually in such a manner that they can be referenced to the planned stationing. Objects selected shall be at intervals not exceeding 100 lineal feet and shall include all house leads/taps identified by measured distance.
  - 2. The recording shall include but not be limited to all inlets, culvert pipe ends, house leads or taps. The video shall call attention to existing cracks or uneven areas, or missing pipe.
- C. Control of Picture Quality - The camera carrier shall travel at a low speed to ensure against blur or distortion of the recorded pictures. A maximum rate of 30-feet per minute is required.
- D. Depth of flow in section being inspected shall be no greater than 25%.

### **3.03 OWNER REVIEW**

- A. As the video recording work progresses, the Contractor shall deliver completed sections to the Owner and Engineer. The Owner and Engineer shall review the recordings and determine if they are acceptable for clarity and coverage. The recording may be rejected if the picture is of poor quality (i.e., blurred, distorted, too light, too dark, improper color), insufficient coverage, or does not meet specified requirements.
- B. The area of rejected recording shall be rerecorded by the Contractor and reinserted in the electronic file in the proper sequence.

## **PART 4 SPECIAL PROVISIONS**

### **4.01 SEWER INSPECTIONS**

- A. The Contractor shall conduct a pre- and post- video recording of the inspection of the sanitary sewers and storm sewers within close proximity, as determined by the Engineer, or crossing the new water mains to be installed via drilling as specified herein.
- B. The Owner and Engineer shall be present for all video inspections during the initial recording.
- C. Final acceptance, by Owner and Engineer, of the existing sewer conditions in regard to any effects imposed by the water main drilling shall be based upon the video inspection of the sewers.

END OF SECTION