SECTION 01 30 00

DIGITAL CONSTRUCTION PICTURES

(Sentences and/or paragraphs that are double underlined indicate revisions that were made from the 2009 specification.)

PART 1 - GENERAL

1.1 DESCRIPTION

A. The Contractor is required to photographically document site conditions prior to the start and during construction operations. Provide monthly, and within one month of the completion of work, photographs, ~~1200x800 pixels, 360dpi true color minimum resolution in JPEG file format~~ showing the sequence and progress of work, devices, equipment, material and fitting installations.

1.2 MEASUREMENT AND PAYMENT

A. The digital photographs serve as one of the methods of documentation of the work performed each month and the associated monthly invoice will not be processed without them. Photographs shall be provided for unrestricted use by the City.

1.3 SUBMITTALS

A. Take a minimum of 20 digital photographs each week (more may be required to accurately document work). Provide an electronic copy on a CD-R of each photograph taken. Photographs for each month shall be in a separate ~~monthly~~ weekly directory. ~~with the orientation and location of the valves, manholes, pipe connections and other appurtenances annotated on the construction drawings and the photograph. The view in each photograph shall include a sign showing the date, name of project, station designation, name of item being photographed, and direction camera is facing. The sign shall not block the important areas of the view and shall be legible in a three and one half inch by five inch (3-1/2" x 5") print. All prints shall show good details in both shadow and sunlit areas.~~ Submit digital photographs ~~and associated construction drawing~~ with the monthly invoice on a CD-R, cumulative of all photos to date. Hard copies are not required.

PART 2 – PRODUCTS

N/A

PART 3 – EXECUTION

~~N/A~~

A. All photos shall be taken with a camera or other device capable of embedding geocoding information for each photograph. All digital photos submitted shall be geocoded. Geo-referencing shall be in the metadata for each digital photograph and shall include the location and directional information for the image. Time and date information shall be correct and contained in the metadata for each image. All prints shall show good details in both shadow and sunlit areas. Submit digital images exactly as originally recorded in the digital camera, without alteration, manipulation, editing, or modifications using image-editing software. Provide images in JPG format, produced by digital camera with minimum

sensor size of 12 megapixels, and at an image resolution of not less than 3200 by 2400 pixels.

B. Alternate Procedure (If Approved By Project Engineer)

Instead of using physical signs in photographs, file names shall include the date, station, and any other descriptive labels required by the Project Engineer. For example, a photograph of a storm sewer curb inlet along Willhelm Dr. at Sta. 9+85, Right could be labeled "20161031_Willhelm 9+85 Rt_Storm.jpg" and a photograph of a sidewalk along E. 29th Street at Sta. 14+50, Right could be labeled "2016-10-31 E 29th St Rt_Sidewalk.jpg".

END OF SECTION