***SPP00410 (09-01-20) (this section requires SSP03030, & 02221, may require SSP00492)***

### Section 00410 - Cured-In-Place Pipe Lining

Comply with section 00410 of the Standard Construction Specifications modified as follows:

***(Designer note:The submittal requirement for the section below, infrared spectography, is required when using vinyl ester or epoxy resin (any resin other than polyester).***

**00410.02(d)** **Infrared Spectography-**

***(Design Note: Adjust design parameters for specific project. In particular, existing soil and groundwater conditions should be modified per the geotechnical investigations performed during design. Change text to black once project specific information is established.)***

**00410.04** **Design Parameters**

***(Use the subsection below when a different method could be proposed.)***

**00410.30 Manufacturer’s Representative -** Add the following to the end of this subsection:

The Owner reserves the right to modify requirements for the purposes of analyzing new technologies on a case-by-case basis. Contractor shall provide a representative who is experienced and certified by the manufacturer in the new technology and technical application such as installation, curing, sampling, operation, and maintenance of the pilot lining system and all its components.

***(Designer’s Note: Use the table when root chemical treatment is needed. Where root chemical treatment will not work, add a construction note for each location that will be paid as Heavy Root Removal. Consult with the Maintenance Engineer and Construction Manager for determining appropriate locations.)***

**00410.42 Host Pipe Preparation** - Add the following to the end of this subsection:

Pipes known to require chemical root treatment are listed below. CIPP lining of these sewers is dependent on chemical root treatment occurring approximately two months in advance of final root removal and pipe cleaning. The Contactor is responsible for scheduling and performing chemical root treatment.

|  |  |  |
| --- | --- | --- |
|  **Plan Sheet** | **Location** | **MH Node Numbers** |
| C05 | SW Chesapeake Ave. | ACC260 to ACC275 |
| C05 | SW Chesapeake Ave. | ACC219 to ACC260 |

The pipe runs listed below have areas of known leaks that require sealing prior to liner installation.

|  |  |  |
| --- | --- | --- |
| **Plan Sheet** | **Location** | **MH Node Numbers** |
| CXX | Street Name, example below  | Node to Node ex. below |
| C19 | NW 30th north of NW Wilson Ave. | ABB767 to ABB759 |

***(Designers Note for 410.45.*** *Take into consideration slope, downstream pressures, and diameter of pipe if specifying acceptable curing method(s). Contractor may be allowed to submit suggested curing method based upon the pipe size, design criteria and other parameters mentioned above. Method of curing will be as approved through the submittal process by Project CM & Design team, -- OR, the Designer can opt to show specific project-specific cure methods on the plans, at their option and as determined in the design process.)*

***(Designers Note: Add the following subsection to limit curing methods for specific runs, if needed. The following text and example data in the tables are provided as options for the designer, based-upon project-specific needs.)***

Add the following subsection:

**00410.45 Receiving and Insertion Locations**

***(Designers Note: If ONLY one cure method is allowed for the entire project, use the following sentence and Indicate cure method.)***

Add the following subsection:

**00410.49 Curing Methods** - The following pipe runs are limited to the curing methods noted below.

|  |  |  |
| --- | --- | --- |
| **Plan Sheet** | **Pipe Run** | **Curing Method(s)** |
| CXXX | ABC123-ABC124 |  |
|  |  |  |