**SP00490 (01-01-21) *(This section requires SP00440 and SP00442)***

### Section 00490 - Work on Existing Sewers and Structures

Comply with section 00490 of the Standard Construction Specifications modified as follows:

***(Designer Note: If videos are posted to inform the Contractor of the condition of the pipe for rehab. i.e CIPP or pipe bursting, use this section. UPDATE LINK BELOW IN YELLOW TO BE PROJECT-SPECIFIC.)***

Add the following subsection:

**00490.03 Existing Mainline and Lateral Videos** - Existing sewer mainlines and lateral videos are available for reference using the web link below. Some mainline and/or laterals may not have video available. These videos cannot be used as a substitute for pre-construction/installation video inspections required per section 00401. Contractor to create their own copies for use after notice to proceed, at which time the link below may be disabled.

<https://drive.google.com/drive/folders/1or96nzAIJTNnuM6ukWLjrXxPc23fNfZV?usp=sharing>

***(Use the following subsections .40(b), 40(b)(1) when work requires a Sewer Flow Diversion Plan. Coordinate with modeling staff to obtain flow information. Table headings assume that diversion involves sanitary or combined flows. Modify heading if these conditions do not apply.)***

Add the following after the first paragraph.

**00490.40(b)(1) Diversion of Flow:** Reference the following tabular information to assist with preparing a Sewer Diversion Plan for this Project.

| **Sheet** | **Street** | **Manhole Run** | **Peak Dry Weather Flow Rate (gpm)** | **\*Average Year Storm Peak Flow Rate (gpm)** |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |

\*Average Year Storm Peak Flow Rate will be exceeded when one (1) inch or more of rain in any six (6) hour increment is received.

***(Designer Note: Use on all BES projects. Notify the BES CSA Program if any sumps will be abandoned or retrofitted, to fulfill the pre-closure notification and evaluation requirements of the DEQ UIC permit. SSC 08/10/22)***

***(Designer Note: Notify the BES CSA Program if any sumps will be abandoned or retrofit, to fulfill the pre-closure notification and evaluation requirements of the DEQ UIC permit. BN 9/12/22.)***

**00490.44(a)(1) Abandoning Maintenance Holes and Inlets -** Remove the words “pea Gravel” from the first sentenance.

**00490.44(b)(1) Sumps -** Replace this paragraph with the following.

1. **Sumps -** Remove sediment, contaminated soil, and water and properly dispose of these materials according to Section 00291. Remove top cone and first solid concrete section to a depth of approximately 8-10 feet below ground. Place geotextile meeting the requirements of 02320 on top the CLSM that extends beyond the outside of the sump and surrounding backfill.Fill sump with CLSM meeting the requirements of Section 00442. Backfill void with approved materials meeting the requirements of 00405.14.

***(Use the following correction to 00490.46 and .46(d) on all BES Projects. Use the following subsection .46(a) when adjusting maintenance holes on City maintained streets.)***

**00490.46 Adjusting Maintenance Holes and Structures:**

**(a) General** - Add the following sentence.

When adjusting maintenance hole frames, use Method “A” or “B” on PBOT Standard Drawing P-507.

***(Use the following subsection .46(a) when adjusting maintenance holes on ODOT maintained streets.)***

**(a) General** - Add the following sentence:

When adjusting maintenance hole frames, use Method “B” on ODOT Standard Drawing RD360.

***Designer Note for steps***

***(Replace all metal steps EXCEPT when they are in a brick maintenance hole. For brick maintenance hole, remove steps and do not replace.)***

***Designer Note for mainline spot repairs***

**(*Spot repairs are a minimum of 5 feet. Manned Entry Surface Repair quantity can be either square foot or linear foot based upon preference.)***

***(Make sure a bid item for additional surface restoration is included in the bid list.)***

***(Designer must identify scope of work, measurement and payment for Item (p). Show Surface Entry Repair locations on the Plans.)***

***(Designer Note: for Abandoning Private Sewer Pipe at Public Sewer Main; typically used in projects with nonconforming sewers, specifically private lines in the ROW. Use section 490.54, 490.80 & 90 below when there are private sewers requiring abandonment (permanent plugs) on public sewer mains not otherwise being worked on in the project)***

Add the following subsection

**00490.54 Abandoning Private Sewer at Public Sewer Main –** Locate, confirm, and abandon private sewer at the connection to the public sewer main as shown in the Contract Documents.

1. Verify the location of private sewer pipe connection to public sewer main prior to abandonment. Private sewer pipe locations shown in Contract Documents are approximate.
2. Verify the absence of any other connections to the private pipe in the right-of-way via CCTV, prior to abandonment. Notify the Owner’s Representative if additional connections are observed.
3. Conduct excavation in accordance with section 00405.
4. Abandoning private sewer in the right-of-way at the public main shall be in accordance with section 00490.43.
5. Pipe bedding, pipe zone material, and subsequent backfill shall be in accordance with section 00405.
6. The length of pavement restoration will be the minimum trench width for the diameter of the private sewer pipe, in accordance with 00405.41(b).

***(Designer Note: Use the sections .80 and .90 Measurement and pay items below for Abandonment of Private Sewer pipe at Public Sewer Main when abandoning laterals that are not directly connected to mains not otherwise in the project. Typically used in projects with NCS extensions.)***

Add the following to this subsection

**00490.80 Measurement**

The quantities of “Abandonment of Private Sewer at Public Sewer Main” will be measured on the unit basis. Private sewers are typically 6 inches or less in diameter.

Add the following to this subsection

**00490.90 Payment**

**Pay Iem Unit of Measurement**

(s) Abandonment of Private Sewer Pipe at Public Sewer Main Each

Item (s)applies to the abandonment of private sewers of any diameter, connected to public sewer mains not otherwise being worked on in the project, and includes all materials and labor required to complete the work as specified in the Contract Documents and according to section 00490.54. CC tving will be paid according to section 00401.

Add the following to the end of this subsection.

No separate or additional payment will be made for “Abandonment of Private Sewer Pipe at Public Sewer Main”:

* Connections at maintenance holes