

**DISTRICT OF COLUMBIA
WATER AND SEWER AUTHORITY**



"SERVING THE PUBLIC - PROTECTING THE ENVIRONMENT"

**SUPPLEMENTAL
STANDARD SPECIFICATIONS**

JULY 2021

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AUTHORIZATION FORM

Supplemental Standard Specifications LOG OF REVISIONS	
Issue Date	Brief Description of Revision
April 2021	<p>Added Section 01 33 10 Sup – Document Management Supplement which revises Section 01 33 10 Document Management as follows:</p> <ul style="list-style-type: none"> • Revised Paragraph 1.1 A. • Deleted Paragraph 1.7 C. • Revised Paragraph 2.1 A. • Deleted Article 3.1 • Revised Paragraph 3.2 C. <p>Added Section 33 01 25 SUP – Sewer Lining CIPP Supplement which revises Section 33 01 25 – Sewer Lining CIPP as follows:</p> <ul style="list-style-type: none"> • Added Subparagraph 1.11 A.8. to 1.11 A.10. • Added Paragraphs 3.5 B. and 3.5 C.
July 2021	<p>Added Section 02 41 00 SUP – Demolition Supplement which revises Section 02 41 00 – Demolition as follows.</p> <ul style="list-style-type: none"> • Revised Subparagraphs 1.3 A.1. and 1.3 A.2. • Revised Paragraph 1.4 A. and 1.4 B. • Revised Paragraph 3.1 A. and 3.1 F. <p>Added Section 31 11 00 SUP – Clearing, Grubbing, and Stripping Supplement which revises Section 31 11 00 – Clearing, Grubbing, and Stripping as follows.</p> <ul style="list-style-type: none"> • Revised Subparagraph 1.3 A.1. and 1.3 A.2. • Revised Paragraph 1.5 D. and 1.5 E. • Revised Paragraph 3.1 D. <p>Added Section 33 01 28 SUP – Inspection of Sewers for Cleaning, Repairs, Lining, and New Pipe Installations Supplement which revises Section 33 01 28 – Inspection of Sewers for Cleaning, Repairs, Lining, and New Pipe Installations as follows.</p> <ul style="list-style-type: none"> • Revised Article 1.1 • Added Subparagraphs 1.3 A.2. through 1.3 A.4. • Revised Subparagraph 1.7 B.1. • Revised Article 1.8 • Revised Subparagraph 2.2 A.2. • Revised Subparagraph 2.2 A.3.e. • Revised Subparagraph 2.2 B.2. • Revised Subparagraph 2.3 B.1. • Revised Paragraph 2.3 C. • Added Paragraph 3.2 L. • Added Paragraph 3.3 E. • Add Subparagraph 3.5 A.4. <p>Added Section 33 01 38 – CCTV Inspection of Sewers Supplement which revises Section 33 01 38 – CCTV Inspection of Sewers as follows.</p> <ul style="list-style-type: none"> • Added Paragraph 1.1 D. • Added Subparagraph 1.3 A.6. • Revised Paragraph 1.10 B. • Revised Subparagraph 1.10 C. 2.a. • Revised Subparagraph 1.10 D.1. • Revised Subparagraph 1.10 D.2.a. • Revised Subparagraph 2.6 A.2. • Revise Subparagraph 2.6 A.3.e.

	<ul style="list-style-type: none"> • Deleted Article 2.7. <p>Added Section 33 01 39 SUP – Sonar Inspection of Sewers Supplement which revises Section 33 01 39 – Sonar Inspection of Sewers as follows:</p> <ul style="list-style-type: none"> • Revised Paragraph 1.7 A. • Deleted Subparagraph 1.10 C.1.e. and 1.10 C.1.f. • Revised Subparagraph 1.10 C.2.a. • Revised Subparagraph 1.10 D.1. • Revised Subparagraph 2.6 B.1. • Revised Paragraph 2.6 C. • Deleted Article 2.7. • Revise Subparagraph 3.2 C.4. <p>Added Section 33 12 13 SUP – Water Service Lines Supplement which revises Section 33 12 13 – Water Service Lines as follows:</p> <ul style="list-style-type: none"> • Revise Subparagraph 1.3 A.1. • Revise Paragraph 1.6 A.
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These Supplemental Standard Specifications are Authorized by:

Mark Babbitt, P.E., Acting Director,
Department of Engineering and Technical Services
DC Water

SECTION 01 33 10 SUP

DOCUMENT MANAGEMENT SUPPLEMENT

The following modifications are made to Standard Specification Section 01 33 10 – Document Management.

1.1 A. – Revise Paragraph 1.1 A to read as follows:

- A. Provide all labor, material, and equipment necessary to import data and upload documents into DC Water’s Contract Management System (CMS). Documents and data include, but are not limited to, letters, submittals, meeting minutes, daily reports, drawings, specifications, memorandums, payment requisitions, change order requests, testing reports, warranties, guarantees, requests for information, and correspondence.

1.7 C. – Delete Paragraph 1.7 C.

2.1 A. – Revise Paragraph 2.1 A to read as follows:

- A. DC Water will provide licenses and access to the CMS.

3.1 – Delete Article 3.1 Licensing.

3.2 C. – Revise Paragraph 3.2 C. to read as follows:

- C. Notify DC Water immediately of any users who no longer require access to the CMS so DC Water can de-activate their account.

~ END OF SECTION 01 33 10 SUP ~

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SECTION 02 41 00 SUP
DEMOLITION SUPPLEMENT

The following modifications are made to Standard Specification Section 02 41 00 - Demolition.

1.3 Revise Subparagraph 1.3 A.1. and 1.3 A.2. to read as follows:

1. Schedule of Prices.
2. Section 01 41 26: Project Permits and Approvals.

1.4 Revise Paragraph 1.4 A and 1.4 B. to read as follows:

- A. Incidental Demolition: Demolition activities that are necessary to complete the Work required by the Contract Documents, whether shown on the Contractor Drawings or not, and does not have a price specified in the Schedule of Prices.
- B. Itemized Demolition: Demolition activities that are specifically called out on the Contract Drawings and have a price specified in the Schedule of Prices.

3.1 Revise Paragraph 3.1 A and 3.1 F. to read as follows:

- A. Perform all demolition as Incidental Demolition unless a price is stated for itemized demolition in the Schedule of Prices.
- F. If applicable, obtain Raze permit from DCRA as required by Section 01 41 26 – Project Permits and Approvals.

~ END OF SECTION 02 41 00 SUP ~

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SECTION 31 11 00 SUP

CLEARING, GRUBBING, AND STRIPPING SUPPLEMENT

The following modifications are made to Standard Specification Section 31 11 00 – Clearing, Grubbing, and Stripping.

1.3 Revise Subparagraph 1.3 A.1. and 1.3 A.2. to read as follows:

1. Schedule of Prices.
2. Section 01 41 26: Project Permits and Approvals.

1.5 Revise Paragraph 1.5 D. and 1.5 E. to read as follows:

- D. Incidental Clearing, Grubbing, and Stripping: Clearing, grubbing, and stripping activities necessary to perform the Work required by the Contract Documents, whether shown on the Contract Drawings or not, and does not have a price specified in the Schedule of Prices.
- E. Non-Incidental Clearing, Grubbing, and Stripping: Clearing, grubbing, and stripping activities necessary to perform the Work, are specifically designated on the Contract Drawings with the clearing, grubbing, and stripping areas defined, and has a price specified in the Schedule of Prices.

3.1 Revise Paragraph 3.1 D. to read as follows:

- D. Provide an Erosion and Sediment Control Plan as required by Section 31 25 00 – Erosion and Sediment Control and acquire the permits applicable to clearing, grubbing, and stripping as required by Section 01 41 26 – Project Permits and Approvals. All efforts and costs associated with the acquisition of permits necessary for clearing, grubbing, and stripping are incidental to the Contract.

~ END OF SECTION 31 11 00 SUP ~

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SECTION 33 01 25 SUP
SEWER LINING CIPP SUPPLEMENT

The following modifications are made to Standard Specification Section 33 01 25 – Sewer Lining CIPP.

1.11 A. – Add Subparagraphs 1.11A.8 to 1.11 A.10 as follows:

8. A drawing showing a styrene management area with:
 - a. Styrene exhaust and emission points.
 - b. The perimeter boundary and distance from the exhaust and emission points.
 - c. Location of the emissions stack.
 - d. Description of the physical barriers used to designate the styrene management area.
9. A list of fire suppression equipment and materials that are kept on site during operations.
10. Spill response media and response actions when a spill occurs.

3.1 – Add Paragraph 3.5 B and 3.5 C as follows:

- B. Styrene Management Area:
 1. Establish a styrene management area as follows:
 - a. Set up a physical barrier demarking a perimeter with a 15-foot radius around all exhaust/emission points.
 - 1) If this perimeter includes an adjacent traffic lane that will remain open to traffic, that lane can be excluded from the perimeter and the traffic control barrier can be used as part of the physical barrier.
 - 2) If this perimeter includes a building wall, the building wall may be used as part of the barrier.
 - 3) Where a building wall is part of the barrier, provide protection at openings and building air intakes to prevent styrene migration into the building.
 - b. The physical barrier can be anything that marks a 15-foot barrier as described in the Contractor’s Styrene Management Plan and may include traffic cones with twine and safety flagging, temporary fencing, safety barricades, or other barrier material that will designate the restricted area.
 - c. Anyone entering this 15-foot perimeter shall wear PPE suitable for work with styrene.
 - d. Attach signs to the perimeter stating that entrance inside the perimeter requires styrene-specific PPE.
 - e. As opposed to a 15-foot radius, contractor may use a scrubber to treat styrene exhaust.
 2. Styrene management shall include an emission stack that is a minimum of eight (8) feet high to enhance the dispersion of styrene emissions.
 3. While on site, the Contractor shall observe the impact of prevailing winds on emissions plumes and adjust styrene management areas to allow individuals access inside perimeter while avoiding plumes.
 4. Ensure sufficient fire suppression equipment and materials are located on site.

C. Styrene Spill and Emission Response:

1. Respond to styrene spills immediately and stop any additional spillage from occurring.
2. Suspend operations until the cause of the spill is addressed such that no additional spillage will occur.
3. Address public complaints about emissions by determining cause and eliminating odors.

~ END OF SECTION 33 01 25 SUP ~

SECTION 33 01 28 SUP

INSPECTION OF SEWERS FOR CLEANING, REPAIRS, LINING, AND NEW PIPE INSTALLATIONS SUPPLEMENT

The following modifications are made to Standard Specification Section 33 01 28 – Inspection of Sewers for Cleaning, Repairs, Lining, and New Pipe Installations.

1.1 Revise Article 1.1, its Paragraphs, and Subparagraphs to read as follows:

1.1 SUMMARY:

- A. Provide all labor, materials, and equipment necessary to perform inspections on sewers to document the conditions of the pipe and evaluate the acceptance criteria for the work activities and purposes listed below:
 - 1. Pre- and Post Cleaning:
 - a. Performing the pre-cleaning inspect required by Section 33 01 29 – Cleaning of Sewer Mains.
 - b. Verifying the post cleaning conditions of a pipe cleaned per the requirements of Section 33 01 29 – Cleaning of Sewer Mains.
 - 2. Pre- and Post Repair of Pipe:
 - a. Verifying the condition of a pipe at the location where pipe repairs are required prior to making the repairs.
 - b. Verifying repairs that are made to the pipe are complete and acceptable in accordance with the Contract Documents.
 - 3. Pre- and Post Lining of a pipeline.
 - a. Verify the pipe is clean and ready for installation of a lining.
 - b. Confirm the installation of the lining is complete and acceptable in accordance with the Contract Documents.
 - 4. After Installation of a New Pipe.
 - a. Confirm the pipe is installed and acceptable in accordance with the Contract Documents.
- B. Inspections performed in accordance with Section 33 01 38 – CCTV Inspection of Sewers and Section 33 01 39 – Sonar Inspections of Sewers may be used instead of this Section, provided the requirements of both Sections are satisfied.
- C. Use Section 33 01 38 – CCTV Inspection of Sewers and Section 33 01 39 – Sonar Inspections of Sewers to inspect piping for all purposes except those listed above.

1.3 Add Subparagraphs 1.3 A.2. through 1.3 A.4. as follows:

- 2. Section 33 01 29 – Cleaning of Sewer Mains.
- 3. Section 33 01 38 – CCTV Inspection of Sewers.
- 4. Section 33 01 39 – Sonar Inspections of Sewers.

1.7 Revise Subparagraph 1.7 B.1. and its Subparagraphs to read as follows:

- 1. Submit a summary report to document the conditions of the pipe and demonstrate that it is in accordance with the Contract Documents.

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SECTION 33 01 38 SUP
CCTV INSPECTION OF SEWERS SUPPLEMENT

The following modifications are made to Standard Specification Section 33 01 38 – CCTV Inspection of Sewers.

1.1 Add Paragraph 1.1 D as follows:

- D. Use this Section to inspect pipe except when documenting the specific work activities listed in the Section 33 01 28 – Inspection of Sewers for Cleaning, Repairs, Lining, and New Pipe Installation.

1.3 Add Subparagraph 1.3 A.6 as follows:

- 6. Section 33 01 28 – Inspection of Sewers for Cleaning, Repairs, Lining, and New Pipe Installation.

1.10 Revise Paragraph 1.10 B. to read as follows:

- B. Prior to commencing inspections, meet with DC Water to confirm the optional data, in addition to the mandatory PACP data, that is to be documented and obtain DC Water approval of the content and format of the inspection reports, log sheets, and/or graphs.

1.10 Revise Subparagraph 1.10 C.2.a. to read as follows (Subparagraphs 1.10 C.2.a.1. through 1.10 C.2.a.7. remain unchanged):

- a. Document the inspection of each pipe segment using the PACP codes per the NASSCO PACP standard and as modified by DC Water including but not be limited to:

1.10 Revise Subparagraph 1.10 D.1. to read as follows:

- 1. Submit a NASSCO PACP certified digital database that includes all PACP mandatory and optional data fields as required by the Contract Documents.

1.10 Revise Subparagraph 1.10 D.2.a. to read as follows:

- a. Include the digital video file of the inspection on a USB 3.0 compatible hard drive or other DC Water approved media as directed by DC Water.

2.6 Revise Subparagraph 2.6 A.2. to read as follows (Subparagraphs 2.6 A.2.a. and 2.6 A.2.b. remain unchanged):

- 2. CD, DVD, or other DC Water approved recorder as directed by DC Water with the following properties:

2.6 Revise Subparagraph 2.6 A.3.e. to read as follows:

- e. Speaker to allow for audio playback from the recording.

2.7 Delete Article 2.7 and its Paragraph.

~ END OF SECTION 33 01 38 SUP ~

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SECTION 33 01 39 SUP

SONAR INSPECTION OF SEWERS SUPPLEMENT

The following modifications are made to Standard Specification Section 33 01 39 – Sonar Inspection of Sewers.

1.7 Revise Paragraph 1.7 A. to read as follows:

- A. Code the inspection for defects such as debris accumulation, pits, cracks, and corrosion hidden under the waterline following NASSCO guidelines and industry standards.

1.10 Delete Subparagraphs 1.10 C.1.e. and 1.10 C.1.f.

1.10 Revise Subparagraph 1.10 C. 2.a. and its Subparagraphs to read as follows:

- a. Document the Sonar Inspection of each pipe segment using the inspection log sheets agreed to previously by DC Water including but not be limited to:
 - 1) The same data provided on the Inspection Summary Report.
 - 2) Date of inspection.
 - 3) Length of pipeline section inspected.
 - 4) The direction of the inspection, i.e., upstream or downstream.

1.10 Revise Subparagraph 1.10 D.1. to read as follows:

- 1. Submit a digital database that includes all header section fields as appropriate for Sonar inspections and in accordance with the Contract Documents.

2.6 Revise Subparagraph 2.6 B.1. to read as follows:

- 1. Able to capture still frame screen images and save the images as JPEG files or other DC Water approved format as directed by DC Water.

2.6 Revise Paragraph 2.6 C. to read as follows:

- C. Provide a continuous NTSC composite video output to surface equipment so that the entire survey can be recorded on DVD or other DC Water approved media, as directed by DC Water, and viewed on video monitors.

2.7 Delete Article 2.7 and its Paragraph.

3.2 Revise Subparagraph 3.2 C.4. to read as follows:

- 4. Referenced in the database with audio comments.

~ END OF SECTION 33 01 39 SUP ~

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SECTION 33 12 13 SUP
WATER SERVICE LINES SUPPLEMENT

The following modifications are made to Standard Specification Section 33 12 13 –Water Service Lines.

1.3 Revise Subparagraph 1.3 A.1. to read as follows:

1. Section 01 41 26: Project Permits and Approvals.

1.6 Revise Paragraph 1.6 A. to read as follows:

- A. Obtain permits required by Section 01 41 26 – Project Permits and Approvals.

~ END OF SECTION 33 12 13 SUP ~

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