UNITED STATES DISTRICT COURT DISTRICT OF CONNECTICUT

UNITED STATES OF AMERICA, and STATE OF CONNECTICUT,)))
Plaintiffs,) CIVIL ACTION NO.: 3:06-cv-00728 (JBA)
))
V)
V.)
THE METROPOLITAN DISTRICT OF)
HARTFORD, CONNECTICUT)
D. C 1)
Defendant.)
	<i>J</i>

FIRST MATERIAL MODIFICATION TO 2006 CONSENT DECREE

WHEREAS, The Metropolitan District of Hartford, Connecticut (the "MDC") is a public not-for-profit municipal corporation chartered by the Connecticut General Assembly in 1929 to provide potable water and sewer systems to the Hartford area;

WHEREAS, the Plaintiff, the United States of America ("United States"), on behalf of the United States Environmental Protection Agency ("EPA"), filed a Complaint on May 11, 2006, alleging that the MDC violated Section 301(a) of the Clean Water Act ("Act" or "CWA"), 33 U.S.C. § 1311(a);

WHEREAS, the State of Connecticut (the "State"), on behalf of the predecessor to the Connecticut Department of Energy and Environmental Protection ("CT DEEP"), joined as a Plaintiff-Intervenor;

WHEREAS, on August 17, 2006, this Court entered a Consent Decree resolving the allegations in the Complaint (the "2006 Consent Decree" or "CD," ECF No. 15-8);

WHEREAS, the MDC has implemented a number of projects and measures pursuant to the 2006 Consent Decree but has not yet completed all required projects;

WHEREAS, the 2006 Consent Decree specified that the Court retains jurisdiction for the purpose of enforcing and modifying the 2006 Consent Decree;

WHEREAS, for the reasons set forth in detail below, this First Material Modification to the 2006 Consent Decree ("First Modification") provides for the following: (i) extension of the deadline for eliminating structural sanitary sewer overflow ("SSO") outfalls from January 3, 2023 to December 31, 2026 and (ii) incorporation of a schedule to complete Inflow and Infiltration elimination projects ("I/I projects");

WHEREAS, the below facts support modifying the 2006 Consent Decree to extend the deadline for eliminating structural SSO outfalls:

- The 2006 Consent Decree requires the MDC to eliminate all SSO outfall discharges from the MDC's Collection System serving Newington and West Hartford no later than 10 years from the date of EPA's and CT DEEP's approval of the Sanitary Sewer Evaluation Survey Report Implementation Schedule ("SSES Report Implementation Schedule"). See CD Section VII.J.
- On January 4, 2013, EPA and CT DEEP approved the SSES Report Implementation Schedule, which established an implementation schedule to eliminate the structural SSO outfalls.
- Five of the eight structural SSO outfalls have already been eliminated through a combination of the reduction of stormwater and groundwater I/I into separated sewers, improvement of conveyance capacity, and the expansion of wet weather treatment capacity.
- The approved SSES Report Implementation Schedule required completion of the South Hartford Conveyance and Storage Tunnel by January 3, 2023. The Parties anticipate that completion of this tunnel will provide enough additional sewage conveyance capacity to eliminate the remaining structural SSO outfalls.

- In a letter dated October 30, 2015, EPA and CT DEEP approved a one-year extension for the completion of the South Hartford Conveyance and Storage Tunnel, from January 3, 2023, to January 3, 2024.
- On June 30, 2022, the MDC submitted a request to extend the schedule for completing the South Hartford Conveyance and Storage Tunnel due to delays in completing the contract to construct the primary tunnel, ultimately requesting to extend the deadline to December 31, 2026

WHEREAS, based on the circumstances described above, the Parties agree that the 2006 Consent Decree deadline for eliminating structural SSO outfalls should be modified—from January 3, 2023 to December 31, 2026—to provide additional time to complete construction of the projects designed to eliminate the remaining structural SSO outfalls.

WHEREAS, the below facts support the incorporation of a schedule to complete I/I projects:

- Inflow and Infiltration ("I/I") is the process of water from sources other than domestic wastewater entering sanitary sewers. I/I causes dilution in sanitary sewers, which decreases the efficiency of treatment, and may cause SSOs.
- The 2006 Consent Decree requires the MDC to submit proposed control projects
 to reduce I/I. See CD Section VII.I. These projects are to be submitted in Sewer
 System Evaluation Survey Reports ("SSES Reports") to EPA and CT DEEP for
 approval. See CD Section VII.H. Upon EPA and CT DEEP's approval of the
 SSES Report, the MDC shall implement the recommendations of the SSES
 Report in accordance with the schedule included in the SSES Report. See CD
 Section VII.J.
- On January 4, 2013, EPA approved I/I projects contained in three SSES Reports submitted by the MDC and made the schedules enforceable under the 2006 Consent Decree.
- The three approved SSES Reports provided recommendations to alleviate local SSO concerns and to provide for a 10% reduction in I/I in areas of the Collection System contributing to SSOs.
- On June 30, 2015, the MDC submitted a "2015 SSO Program Master Plan" that provided a list of 15 I/I projects that incorporated the schedules and 10% I/I reduction in the three approved SSES Reports.

- Under the 2015 SSO Program Master Plan, the 15 I/I projects are estimated to cost of approximately \$136 million in total and are scheduled to be completed by the end of calendar year 2022.
- In December 2018, pursuant to a 2006 administrative Consent Order with CT DEEP, the MDC submitted an Integrated and Long-Term Control Plan ("Integrated Plan") to CT DEEP to address sewage overflow and other sewer collection system needs.
- The MDC updated the Integrated Plan in May 2020, providing for reprioritization of many I/I projects included in the 2015 SSO Program Master Plan.
- On August 31, 2022, the MDC submitted a request to EPA to extend the schedule for six of the I/I projects described in the 2015 SSO Program Master Plan, to be completed by the end of calendar year 2045, rather than 2022.
- On September 19, 2022, the MDC and CT DEEP entered into an administrative Consent Order ("2022 Consent Order") memorializing select projects described in the Integrated Plan to be completed by the end of calendar year 2029.
- On July 24, 2023, the MDC and CT DEEP modified the 2022 Consent Order to prioritize projects in northern Hartford. EPA supported this modification to benefit those communities.
- Since 2005 to present, MDC has spent over \$1.2 billion in removing 550 million gallons (from an annual average CSO volume of 1,040 million gallons) of CSOs from its collection system. These improvements include upgrading the Hartford Wastewater Treatment Plant, rehabilitation of over 700 acres consisting of sewer separation, lining and cleanout work to create capacity, cleaning out pipes to remove residue, and re-lining old pipes to be more hydraulically sealed. This work also includes the installation of more than 25 miles of new sanitary sewer and drain pipes.
- On May 24, 2024, the MDC submitted a copy to EPA of a memorandum from the MDC's engineering contractor, CDM Smith, entitled "SSO Elimination Master Plan Status Update" describing the remaining projects planned pursuant to the Sewer System Evaluation Survey Scope of Work required by Section VII.H of the 2006 Consent Decree.
- The Parties have reviewed the SSO Elimination Master Plan Status Update and agree to the updated implementation schedule provided in Table 2 of Appendix A of this First Modification.

WHEREAS, based on the circumstances described above, the Parties agree that the 2006 Consent Decree should be modified to incorporate a schedule for the completion of the I/I projects required by Section VII.J of the 2006 Consent Decree, as specifically described in the SSO Elimination Master Plan Update;

WHEREAS, Section XXI.A of the 2006 Consent Decree provides that "[a]ny material modification to the terms of this Consent Decree shall be by written agreement of the Parties and approval of the Court;"

WHEREAS, the Parties have agreed that pursuant to Section XXI.A of the 2006 Consent Decree, the proposed modifications as set forth herein constitute material modifications to the 2006 Consent Decree, which require written approval of the Parties and approval of the Court;

WHEREAS, the Parties recognize, and the Court by entering this First Modification finds, without admission of facts or law except as expressly stated herein and without admission of liability by the MDC, that this First Modification has been negotiated at arms-length and in good faith and that this First Modification is fair, reasonable, and in the public interest, and that entry of this Consent Decree without further litigation is an appropriate resolution of the disputes.

NOW, THEREFORE, upon the consent of the Parties, it is hereby ordered, adjudged, and decreed as follows:

MODIFIED CONSENT DECREE PROVISIONS

1. The 2006 Consent Decree shall remain in full force and effect in accordance with its terms with the exception of the revisions to the numbered Paragraphs below which correspond to the Paragraph numbering of the 2006 Consent Decree:

Section VII.J shall be amended as follows:

The MDC shall implement the projects listed in Table 2 of Appendix A of the First Material Modification to this Consent Decree according to the schedule provided, in which all I/I projects are completed by no later than the end of 2040.

By December 31, 2028, the MDC shall provide to EPA and CTDEEP, either as an update to its CSO Long Term Control Plan/Integrated Plan or as a separate document, specific starting and completion dates for the projects described in Table 2 of Appendix A, subject to Review and Approval under Part VI of the Consent Decree, and implement them upon submission, subject to any changes as a result of the Review and Approval process.

Section VII.K.2 shall be amended as follows:

- 2. Newington and West Hartford. All Structural SSO outfall discharges from the MDC's Collection System serving Newington and West Hartford (i.e., Hartford Avenue Siphon Overflow Chamber, Hillcrest Overflow Chamber, Center Trunk Overflow to Trout Brook (CTS-2), and Center Trunk Overflow at Talcott Street (CTS-3)) shall be eliminated by December 31, 2026.
- 2. The Effective Date of this First Modification shall be the date upon which this First Modification is entered by the Court or a motion to enter this First Modification is granted, whichever occurs first, as recorded on the Court's docket.
- 3. The Court shall retain jurisdiction to modify and enforce the terms and conditions of the 2006 Consent Decree and this First Modification, and to resolve disputes arising hereunder as may be necessary or appropriate for the construction or execution of the 2006 Consent Decree and this First Modification.
- 4. This First Modification shall be lodged with the Court for a period of not less than thirty (30) days for public notice and comment in accordance with 28 C.F.R. § 50.7. The United States reserves the right to withdraw or withhold its consent if the comments received disclose facts or considerations that indicate that this First Modification is inappropriate, improper, or inadequate. The MDC consents to the entry of this First Modification without further notice and agrees not to withdraw from or oppose entry of this First Modification by the Court or to

challenge any provision of this First Modification, unless the United States has notified the Parties in writing that it no longer supports entry of this First Modification.

- 5. Each undersigned representative certifies that he or she is fully authorized to enter into the terms and conditions of this First Modification and to execute and legally bind the Party he or she represents to this document.
- 6. This First Modification may be signed in counterparts, and its validity shall not be challenged on that basis.
- 7. This First Modification, in conjunction with the 2006 Consent Decree constitutes the final, complete, and exclusive agreement and understanding among the Parties with respect to the settlement and supersedes all prior agreements and understandings, whether oral or written, concerning the settlement embodied in this First Modification.

APPROVED AND ENTERED THIS	S DAY OF	, 2025.
	UNITED STATES DISTRI	CT JUDGE
	District of Connecticut	

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APPENDIX A TO THE FIRST MATERIAL MODIFICATION TO 2006 CONSENT DECREE



Memorandum

To: Jason F. Waterbury, P.E.

The Metropolitan District (District)

From: Brian Brown, P.E., CDM Smith

Date: May 24, 2024

Subject: SSO Elimination Master Plan Status Update

Per the District's Consent Decree (CD) from the United States Environmental Protection Agency (USEPA), the District must establish remedial measures necessary to fulfill the objectives of the Clean Water Act through the elimination of sanitary sewer overflows (SSOs) from the sanitary sewer collection system. The purpose of this memorandum is to summarize the status of projects (completed versus remaining) that were identified in the Sanitary Sewer Overflow Master Plan (SSOMP) as necessary to fulfill the requirements of the CD. The goal is to provide the necessary level of service to prevent SSOs and basement backups (as established via the SSO elimination plans that were approved by the EPA in 2013 and originally dated 2009, 2010, and 2011, for West Hartford/Newington, Rocky Hill Water Pollution Control Facility, and Windsor, respectively), including: elimination of basement backups from sewer services during a 5-year storm event; elimination of SSOs from sewer manholes during a 10-year storm event; and elimination of structural SSOs from outfalls during a 25-year storm event.

This document serves to update the status, schedule, and cost of the projects identified in the SSOMP in Newington, West Hartford, and Windsor sewersheds to the Hartford Water Pollution Control Facility (HWPCF), and the Wethersfield and Rocky Hill sewersheds to the Rocky Hill Water Pollution Control Facility (RHWPCF). This was last updated in the District's 2018 Long-Term Combined Sewer Overflow (CSO) Control Plan (CSO LTCP)/Integrated Plan (IP), and updated prior to that in the District's 2015 SSO Elimination Master Plan (which advanced the individual recommendations made in the aforementioned prior SSO elimination reports).

This document will also serve to update the projects that remain to eliminate (up to and including the 25-year storm event) existing active SSO outfall structures. The overall status of all active and closed structural SSOs is summarized in **Table 1**.

Table 1: Structural SSO Closure Status

Town	Structural SSO	Trunk Sewer	Discharge Location	SSO Status	Closure Date	Project Required to Close
Newington	Hartford Avenue Overflow	Newington Trunk Sewer	Mill Brook	Gated Closed	No later than 2006	-
Newington	NTS Hillcrest Overflow Chamber	Newington Trunk Sewer	Piper Brook	Active	End of 2026	SHCST Contracts 2 & 3
Wethersfield	Elm Street Overflow	Wethersfield Trunk Sewer	Connecticut River	Gated Closed	No later than 2006	-
Wethersfield	Church Street Overflow	Wethersfield Trunk Sewer	Goff Brook	Gated Closed	No later than 2006	-
Wethersfield	Goff Brook Overflow	Goff Brook Trunk Sewer	Goff Brook	Gated Closed	October 2019	-
Windsor	NM-1 Overflow Chamber	Windsor Interceptor	Meadow Brook	Gated Closed	February 2017	-
West Hartford	CTS-2 Overflow at Trout Brook Drive	Center Trunk Sewer	Trout Brook	Active	End of 2026	SHCST Contracts 2 & 3
West Hartford	CTS-3 Overflow at Talcott Street	Center Trunk Sewer	Trout Brook	Active	End of 2026	SHCST Contracts 2 & 3

For determining the appropriate sewer rehabilitation recommendations and the estimated infiltration and inflow (I/I) reduction associated with varying combinations of rehabilitation, as well as to confirm the predicted 10% I/I reduction goal established in the SSOMP, a pilot program was completed prior to 2013. The pilot program included the following construction projects:

- Windsor Subarea WI3A Sanitary Sewer Improvements (2011-09) in Windsor,
- Wethersfield Subarea Sanitary Sewer Improvements (2011-11) in RHWPCF,
- Newington and West Hartford Subarea Sanitary Sewer Improvements (2011-10) in Newington and West Hartford, and
- West Hartford Subarea Sanitary Sewer Improvements (2011-49) in West Hartford.

Post-construction metering performed in 2013 and 2014 confirmed that 10% I/I reduction was achievable through the implementation of sanitary sewer evaluation survey (SSES) recommendations. It also concluded that lateral rehabilitation and private I/I removal would increase the wet weather reductions somewhere between 10% and 75%, depending on the combination of sewer rehabilitation techniques. These pilot study findings were the basis of the conceptual designs of the recommended SSO elimination plan projects, which were developed for each of the Towns in 2018 and memorialized in individual memorandums. In total, the SSO pilot study, the SSES recommendations, and the Consent Decree requirements all guided the development of the SSOMP and the projects that comprise it.

In 2018, the District prepared its 2018 CSO LTCP/IP. This facilitated the integration and prioritization of, among other aspects, all SSO, CSO, and sewer infrastructure renewal projects in an affordable and logical timeline of improvements. During this time, the recommendations from the SSO elimination

plans were incorporated into the overall 2018 CSO/LTCP IP update and schedule of projects. After approval of the CSO/LTCP IP in 2022, the District worked with CT DEEP to revise the plan and prioritize early efforts in North Hartford, in order to prioritize public concerns brought by the community and therefore provide a more immediate community benefit. This approach resulted in a revised schedule of completion dates for SSO elimination projects, in an effort to maintain affordability in the overall CSO LTCP/IP. The schedule for these deferred projects will be determined via the 2028 CSO LTCP/IP update, which will use an updated affordability analysis in determining this schedule.

The recommendations from the SSO elimination plans, now part of the CSO LTCP/IP, are provided below, along with a narrative of projects completed previously. A summary of all remaining projects is provided in **Table 2**, which includes revised completion dates.

Newington

The Newington sewershed largely flows into West Hartford via the Newington Trunk Sewer and through a single structural SSO regulator on the Newington Trunk Sewer (NTS) that exists just over the Newington border in West Hartford. This NTS SSO regulator will be eliminated (up to and including 25-year storm) with the completion of the South Hartford Conveyance and Storage Tunnel (SHCST), which will complete the closure of the SSO structures within Newington (as the Hartford Avenue Overflow chamber was previously permanently closed). SHCST Contract 5 (Arlington, New Britain, and Newington Conduits and Drop Shafts DS-1 & DS-2), which will consolidate wet weather overflow from NTS SSO regulator and convey it to the SHCST, has been completed and constructed. The NTS SSO structure will be eliminated once the SHCST is online, which is pending the completion of Contracts 2 (Tunnel and Shaft Construction) and Contract 3 (Pump Station) of the SHCST. This is scheduled to be completed and online by the end of 2026.

Extensive sewer rehabilitation has been performed in the Newington subareas as recommended by the SSES studies. Sewer main lining and manhole rehabilitation was performed under eight previous SSES contracts. The completed rehabilitation has reduced extraneous flows from these subareas, with greater than 10% townwide I/I reduction achieved, and overall reduction level in wet weather closer to 20% (as confirmed by post-rehabilitation flow metering and summarized in the 2015 SSOMP).

Remaining projects in the SSOMP in Newington focus on addressing sewer subareas N18 and N19, which are serviced by the Carr Avenue Pump Station and the Stonehedge Pump Station, respectively. Despite the benefits of SSES projects completed to-date, remaining unlined sewers and minimal rehabilitation of existing sewer laterals, along with additional contributions from confirmed private inflow sources in the pump station sewersheds, continue to allow extraneous flow into the collection system. Flow at both pump stations can exceed the maximum pumping capacity during periodic wet weather events due to excessive I/I. Because of this, sewer subareas N18 and N19 both have a history of SSOs that occur at private properties, via sewer manholes, and at these two pump station sites.

Remaining work in Newington, as shown in **Figure 1**, will focus on achieving 50% I/I reduction within the N18 and N19 subareas, which will be accomplished through private inflow removal, mainline sewer lining, manhole rehabilitation, and sewer lateral lining. These efforts are expected to eliminate SSOs to a 10-year storm level at both Carr Avenue and Stonehedge Pump Stations.

A summary of Newington SSOMP projects are as follows:

Previously completed projects:

- Eight SSES implementation construction projects: 2005-84, 2005-95, 2006-01, 2008-44, 2008-70, 2008-71, 2009-61, and 2011-10
- Two capacity improvement projects: Church Street and Windmill Lane Area Sewer Improvements (Contract 2011-72) and Cedar Street Area Sanitary Sewer Improvements (Contract 2011-73)
- Tunnel storage projects: SHCST Contract 5 (2015B-35)
 - Note that the NTS structural SSO outfall will be eliminated upon the completion of SHCST Contracts 2 and 3 and when the SHCST is online and operational

Remaining projects to complete:

- Comprehensive sewer rehabilitation and private inflow removal projects: N18 I/I Reduction
 Phase I and Phase II, and N19 I/I Reduction Phase I and Phase II
 - Note that extensive sewer rehabilitation is being performed on a yearly basis in conjunction with the District's Member Town's paving programs, and therefore the scope of rehabilitation planned in these areas may change over time, as the District may elect to rehabilitate sewers if the Town of Newington is planning on paving the road where the sewer is located in advance of the current project schedule.
- Schedule to complete remaining projects: All N18 and N19 I/I Reduction projects are scheduled to be completed between 2031 and 2040 (after the completion of Phase 1 of the CSO LTCP/IP). Schedule will be reassessed and confirmed during the completion of the District's next CSO LTCP/IP update, anticipated to be developed by the end of 2028. Coordination will be necessary with the Town of Newington for the private inflow removal in N18 and N19.

RHWPCF Sewershed

The RHWPCF treats sanitary flow conveyed primarily from the majority of Wethersfield and Rocky Hill. Within this sewershed, extraneous flow during wet weather has historically caused localized sewer backups and peak flows to the RHWPCF that exceeds its capacity. Wet weather events also caused SSOs from the Goff Brook SSO outfall structure, which sits at the boundary of Wethersfield and Rocky Hill and conveys primarily Wethersfield sanitary flow to the RHWPCF.

Compounding matters in this sewershed, the RHWPCF, despite its recent upgrade, has limited capacity to handle peak wet weather flows. The completion of Contract 2014B-14 (Rocky Hill Water Pollution Control Facility Upgrade) increased the capacity of the RHWPCF to 27 MGD, however peak wet weather flow rates exceeding this have occurred multiple times since the upgrade completion. The resultant additional overall sewershed-wide reduction in peak flows that is necessary to match plant capacity is estimated to be between 15-20%.

Contributing to peak flow concerns at the RHWPCF is the Wethersfield Trunk Sewer (WTS). The WTS is the main trunk sewer providing service from the Old Wethersfield area to the RHWPCF. A large portion of this trunk is located within a within a flood zone that is consistently wet, frequently submerged under flood water, and typically inaccessible for maintenance activities, making it a source of I/I. As a result,

the trunk sewer experiences occasional wet weather related SSOs and surcharging during and after storm events and during periods of high groundwater and/or high Connecticut River elevations.

To address all these issues, the original SSO elimination plan focused on eliminating the Goff Brook structural SSO, addressing the Wethersfield Trunk Sewer (WTS), and reducing I/I to the RHWPCF. The recommended approach included a combination of additional sewer system rehabilitation in the Old Wethersfield subareas RH2 and RH2B to reduce I/I to the RHWPCF and construction or relocation of trunk sewer/interceptors to mitigate surcharging in the Wethersfield and Goff Brook Trunk Sewers.

The Goff Brook structural SSO is located along the Goff Brook Trunk Sewer. Improvement projects in the 2015 SSOMP aimed to address capacity limitations in the area upstream of the Goff Brook structural SSO. This included the Goff Brook Trunk Sewer South Branch Extension (Contract 2009-46) and the Goff Brook Overflow Closure (GBOC) Relief Sewer (Contract 2013B-46), both of which have been completed. These two contracts have eliminated (up to and including the 25-year storm) the Goff Brook structural SSO, and therefore all SSO structures have been eliminated in the RHWPCF sewershed (as the Church Street and Elm Street SSOs were previously permanently gated closed).

Previously the WTS was scheduled for lining as part of a SSES rehabilitation contract, however the SSOMP revised this recommendation to redirect the WTS out of the flood zone to improve maintenance access and reduce infiltration issues. The GBOC relief sewer was designed to accommodate a future redirection of the WTS. Therefore, the pending solution to WTS related surcharging and sewer backups involves re-directing the WTS into a street (Middletown Ave) and into the GBOC relief sewer, as well as abandoning the downstream portion of the existing 24-inch WTS that is located within a flood zone area parallel to Interstate 91. This project will also require installation of a new 8-inch local sewer and a pump station along Elm Street.

The RH2 and RH2B sewersheds have a history of sewer backups due to high I/I. Previous public SSES rehabilitation recommendations have been completed, including SSOMP project 2014B-22 (Implementation of Remaining SSES Recommendations in RHWPCF Sewershed). Despite these improvements, excessive private I/I remains in the Old Wethersfield system from unrehabilitated sewer infrastructure, as well as private inflow sources, all of which exacerbates wet weather flow to the RHWPCF. The RH2 and RH2B I/I Reduction projects will line the remaining target laterals within the project area and perform private inflow removal. This will reduce I/I and aid in reducing peak wet weather flows to the RHWPCF below its 27 mgd capacity in a 25-year storm, as well address localized sewer issues within these subareas.

The 2015 SSOMP noted that based on flow monitoring at that time the townwide 10% I/I reduction goal had not yet been achieved. However, a majority of the RHWPCF SSES implementation was included in Contract 2009-96A and Contract 2014B-22, which were not constructed at the date of the 2015 SSOMP and have since been completed. It was expected, however not yet confirmed, that these projects would achieve the townwide 10% I/I reduction goal in the RHWPCF sewershed. This will be confirmed with flow monitoring completed prior to the next CSO LTCP/IP update.

A summary of RHWPCF SSOMP projects are as follows, with pending projects presented in Figure 2:

Previously completed projects:

 Six SSES implementation projects: 2005-89, 2007-104, 2008-63, 2009-96A, 2011-11, and 2014B-22;

Two capacity improvement projects: Goff Brook Overflow Closure Relief Sewer (2013B-46)
 and Goff Brook Trunk Sewer South Branch Extension (2009-46)

Remaining projects to complete:

- Capacity improvement projects: Wethersfield Trunk Sewer Improvements
- Comprehensive sewer rehabilitation and private inflow removal projects: RH2 I/I Reduction and RH2B I/I Reduction Phase I and Phase II
 - Note that extensive sewer rehabilitation is being performed on a yearly basis in conjunction with the District's Member Town's paving programs, and therefore the scope of rehabilitation planned in these areas may change over time, as the District may elect to rehabilitate sewers if the Town of Wethersfield is planning on paving the road where the sewer is located in advance of the current project schedule.
- Schedule to complete remaining projects: Both projects are scheduled to be completed between 2031 and 2040 (after the completion of Phase 1 of the CSO LTCP/IP). Schedule will be reassessed and confirmed during the completion of the District's next CSO LTCP/IP update, anticipated to be developed by the end of 2028. Coordination will be necessary with the Town of Wethersfield for the private inflow removal in RH2 and RH2B.

West Hartford

As discussed previously, there are three active structural SSOs remaining in West Hartford. Two of these are CTS-2 and CTS-3 along the Center Trunk Sewer (CTS), and the third is the NTS overflow structure at the border of Newington and West Hartford that services the Newington Trunk Sewer (NTS). All three structural SSOs must be eliminated up to and including the 25-year storm per CD requirements. As previously detailed, SHCST Contract 5, which has been constructed, will eliminate the NTS structural overflow (up to and including the 25-year storm) once SHCST Contracts 2 and 3 are completed and the SHCST is online and operational. Upon completion of SHCST Contracts 2 and 3 and tunnel operation, CTS-2 and CTS-3 will also be eliminated (up to and including the 25-year storm). Contracts 2 and 3 are currently under construction and are scheduled to be completed, along with the SHCST becoming online and operational, by the end of 2026.

There has been a considerable amount of sewer system rehabilitation and private inflow removal already completed in West Hartford. This includes various SSES rehabilitation contracts, the Four Mile Road Area project (Contract 2011-44), and the Greenhurst Road Area project (Contract 2011-63). While the aforementioned "pilot program" did not include the Four Mile Road and Greenhurst Road projects, these two projects were considered "pilot" projects for how comprehensive sewer rehabilitation (sewer mains, manholes, and laterals) coupled with drain improvements to remove private I/I connections is a cost-effective holistic approach to reducing wet weather sewer flows and addressing system surcharging while extending the drainage system to accommodate the additional I/I flow. As an example, post-rehabilitation data collected after the completion of the Four Mile Road project showed that, despite the project area only representing 6% of the acreage in the total sewer subarea, an approximate 25% reduction of wet weather flows had occurred. Note that for these pilot programs where the drainage system was extended, the storm assets were eventually transferred over to the Town.

Previous post-improvements flow monitoring identified that the townwide 10% I/I reduction goal has not been achieved yet.

Remaining SSES rehabilitation project Contract 2012-59 (which has been renumbered as 2024B-19) will implement sewer mainline and lateral rehabilitation (which was not an original recommendation) throughout various subareas in West Hartford, including problematic subareas WH29, WH30, and WH31. These three subareas are adjacent to CTS and have historically experienced system surcharging and sewer backups. The SSES rehabilitation project 2024B-19 alone will not achieve the necessary I/I reductions within these three problematic subareas. Therefore, private inflow removal projects (six of them, two in each subarea categorized as Phase I and Phase II) are also necessary. These projects include sewer main and lateral rehabilitation, and private inflow removal through coordination with the Town of West Hartford, whereby the Town will install new mainline drains, drain structures, and collector drains/laterals in the right-of-way, to allow for inflow connections (typically foundation drains) from private homes to be redirected from the sewer system to the storm drain system (typically through the installation of a sump pump). The Town of West Hartford recently completed a stormwater master plan for this area of town to address flooding concerns while including provisions for these private I/I connections. The Town is currently completing the design of the first few projects. The associated private property work will be completed by the District in conjunction with the Town on these drainage improvement projects.

Contract 2012-59 (now 2024B-19) includes work within the WH29, WH30, and WH31 areas. The District accelerated the sewer main and sewer lateral rehabilitations in the WH29, WH30, and WH31 I/I Reduction Phase I projects and incorporated it into the 2024B-19 project, thus increasing the 2024B-19 cost and decreasing the future costs of WH29, WH30, and WH31 I/I Reduction Phase I projects. All sewers within the WH29, WH30, and WH31 areas will have been rehabilitated except for the Center Trunk Sewer (CTS) and Northwest Trunk Sewer (NTS) that pass through the areas. Therefore, future WH29, WH30, and WH31 I/I Reduction Phase I projects will only consist of any remaining sewer laterals that have not been rehabilitated in the project area, which is limited to laterals located along previously lined mainline sewers. While the rehabilitation of CTS and NTS was not deemed to be a high priority SSO project necessary to achieve a townwide 10% I/I reduction goal, the District will be rehabilitating these sewers as part of its next CSO LTCP/IP update with the schedule defined in the 2028 update.

Additionally, the SSOMP previously identified the Montclair/Linnard Sewer Improvements project to further address localized sewer issues within the WH30 subarea through the construction of a new sewer to re-direct local sewers and alleviate backups. However, as part of the next CSO LTCP/IP, the District will reevaluate this solution to assure it aligns with the District's holistic solution to wet weather reduction throughout its system. In particular, the reevaluation will include assessing the upstream private I/I removal necessary to properly alleviate the surcharging, like previous Four Mile Road and Greenhurst Road SSOMP projects. The reevaluation may result in recommended projects similar to the private I/I projects currently planned in Newington, West Hartford, and Wethersfield in lieu of the prior recommendation for the Montclair/Linnard Relief Sewer.

The completion of the 2024B-19 sewer rehabilitation project, which mainline work is scheduled to be constructed in 2024 and 2025, is anticipated to achieve the townwide 10% I/I reduction goal and will be

confirmed with post-improvements flow monitoring that is completed prior to the next CSO LTCP/IP update.

A summary of the West Hartford SSOMP projects are as follows, with pending projects presented in **Figure 3**:

Previously completed projects:

- Thirteen SSES implementation projects: 2004-21, 2005-84, 2005-85, 2006-01, 2006-35, 2007-104, 2008-44, 2008-63, 2008-70, 2008-71, 2009-47A, 2011-10, and 2011-49
- Two comprehensive sewer rehabilitation with private inflow removal projects: Four Mile Road Area (Contract 2011-44) and Greenhurst Road Area (Contract 2011-63)
- Tunnel storage projects: SHCST Contract 5 (2015B-35)
 - the CTS-2 and CTS-3 structural SSO outfalls will be eliminated upon the completion of SHCST Contracts 2 and 3 and when the SHCST is online and operational

Remaining projects to complete:

- SSES implementation projects: West Hartford SSES Implementation Contract 2012-59 (now 2024B-19)
 - West Hartford Remaining SSES Implementation is an additional SSES project that was detailed in the previous SSOMP as being low priority and not needed to meet the Consent Decree. However, the District still intends to complete this contract and its schedule will be updated in next CSO LTCP/IP update. Additionally, extensive sewer rehabilitation is being performed on a yearly basis in conjunction with the District's Member Town's paving programs. Therefore, the scope of rehabilitation planned in this project may change over time, as the District may elect to rehabilitate sewers in this area if the Town of West Hartford is planning on paving the road where the sewer is located.
- Comprehensive sewer rehabilitation and private inflow removal projects: WH29 I/I Reduction Phase I, WH30 I/I Reduction Phase I, WH31 I/I Reduction Phase I, WH29 I/I Reduction Phase II, WH30 I/I Reduction Phase II, and WH31 I/I Reduction Phase II
 - Note that extensive sewer rehabilitation is being performed on a yearly basis in conjunction with the District's Member Town's paving programs, and therefore the scope of rehabilitation planned in these projects may change over time, as the District may elect to rehabilitate sewers if the Town of West Hartford is planning on paving the road where the sewer is located in advance of the current project schedule.
- Capacity improvements projects: Montclair/Linnard Sewer Improvements (as needed following I/I removal)
- Schedule to complete remaining projects: West Hartford SSES Implementation Contract 2012-59 (2024B-19) is included in Phase 1 of the CSO LTCP/IP. The mainline rehabilitation work, which was the original scope of the project, is scheduled to be completed by the end of 2025. Lateral rehabilitation that was added to the project is scheduled to be completed by the end of 2026. The remaining projects are scheduled to be completed between 2031 and 2040 (after the

completion of Phase 1 of the CSO LTCP/IP). Schedule will be reassessed and confirmed during the completion of the District's next CSO LTCP/IP update, anticipated to be developed by the end of 2028. Coordination will be necessary with the Town of West Hartford for private inflow removal.

Windsor

A large portion of the Windsor sewershed enters Hartford via the Windsor Interceptor and passes through the NM-1 structural SSO regulator near the Windsor/Hartford town line. During wet weather, the Windsor sanitary sewer system caused SSOs at NM-1 due to excessive I/I that enters during storm events, after storm events, and during periods of high groundwater and/or high Connecticut River elevations. The NM-1 Closure Gate project (2015B-53) successfully eliminated (up to and including the 25-year storm) the NM-1 overflow in 2017 via a new overflow control gate that closed the SSO. Prior capacity improvements at the Fish Fry Pump Station in Hartford and upstream sewer rehabilitation projects, including private I/I removal, also assisted in the closure of this structure.

Extensive sewer rehabilitation was completed in the Windsor subarea via four SSES rehabilitation contracts, where sewer main lining and manhole rehabilitation were performed. One of these projects was the Windsor Subarea WI3A Sanitary Sewer Improvements (2011-09), which was one of the pilot projects of the SSOMP. This project included private I/I removal through the construction of new drains and new private property connections (typically new sump pumps). The completed rehabilitation reduced extraneous flows from the Windsor subarea tributary to Hartford, with greater than 10% I/I reduction achieved, and the overall reduction level in wet weather is closer to 20% (as confirmed by post-rehabilitation flow metering and summarized in the 2015 SSOMP).

The remaining SSOMP project for the Windsor sewershed is the Decker's Brook Trunk Sewer (DBTS) Improvements project, which would address a problematic area with sewer replacement and sewer relief on Windsor Avenue and East Barber Street. As shown in **Figure 4**, the current recommendation includes an initial sewer relief pipe that will convey dry and wet weather flows between the DBTS and the Windsor Interceptor, alleviating surcharging along the downstream sections of the DBTS sewer system. A second sewer relief pipe along the southern portion of Windsor Avenue will similarly convey dry and weather flows and address the problematic areas near Arrowbrook Road. As part of the next CSO LTCP/IP, the District will reevaluate this solution to assure it aligns with the District's current holistic solution to wet weather reduction throughout its system. In particular, the reevaluation will include assessing the private I/I removal necessary to properly alleviate the surcharging, like previous Windsor SSOMP project 2011-09. The reevaluation may result in recommended projects similar to the private I/I projects currently planned in Newington, West Hartford, and Wethersfield, and will include coordination with the Town of Windsor.

A summary of Windsor SSOMP projects are as follows:

Previously completed projects

- Three SSES implementation projects: 2005-85, 2008-63 and 2009-96A
- One comprehensive sewer rehabilitation and private inflow removal project: Windsor Subarea WI3A Sanitary Sewer Improvements (2011-09)
- Structure modification project: NM-1 Closure Gate (2015B-53)

Remaining projects to complete:

- Capacity improvements and/or private inflow removal projects: Decker's Brook Trunk Sewer Improvements
 - Note that extensive sewer rehabilitation is being performed on a yearly basis in conjunction with the District's Member Town's paving programs, and therefore the scope of rehabilitation planned in these areas may change over time, as the District may elect to rehabilitate sewers if the Town of Windsor is planning on paving the road where the sewer is located in advance of the current project schedule.
 - Windsor SSES Implementation Contract 2012-58 is an additional SSES project that was detailed in the previous SSOMP as being low priority and not needed to meet the Consent Decree. However, the District still intends to complete this contract and its schedule will be updated in next CSO LTCP/IP update. Additionally, extensive sewer rehabilitation is being performed on a yearly basis in conjunction with the District's Member Town's paving programs. Therefore, the scope of rehabilitation planned in this project may change over time, as the District may elect to rehabilitate sewers in this area if the Town of Windsor is planning on paving the road where the sewer is located.
- Schedule to complete remaining projects: The Decker's Brook Trunk Sewer Improvements project is scheduled to between 2031 and 2040 (after the completion of Phase 1 of the CSO LTCP/IP). The recommendation for this area, as well as schedule, will be reassessed and confirmed during the completion of the District's next CSO LTCP/IP update, anticipated to be developed by the end of 2028. Coordination will be necessary with the Town of Windsor for any private inflow removal work.

Summary of Costs and Schedule to Complete SSOMP Projects

A summary of all projects remaining to be completed, along with estimated completion date and construction cost, is shown in **Table 2.**

Table 2: Summary of Remaining SSO Projects

Project Name ¹	Project Description	Town (WPCF)	Opinion of Probable Cost (\$M, 2018) ²	Completion Date (per May 2020 IP Update)	Adjusted Opinion of Probable Cost (\$M) ³	Adjusted Completion Date
N18 I/I Reduction Phase I	Sewer and lateral lining to achieve 50% reduction (when performed in conjunction with Phase II) in the N18 sewershed, as required to achieve 10-year level of control at the Stonehedge Pump Station.	Newington (Hartford)	2.4	2025	3.1	Between 2031 and 2040
N18 I/I Reduction Phase II	Private inflow removal to achieve 50% reduction (when performed in conjunction with Phase I) in the N18 sewershed, as required to achieve 10-year level of control at the Stonehedge Pump Station.	Newington (Hartford)	5.4 (2.4)	2025	6.9 (3.1)	Between 2031 and 2040 ⁴
N19 I/I Reduction Phase I	Sewer and lateral lining to achieve 50% reduction (when performed in conjunction with Phase II) in the N19 sewershed, as required to achieve 10-year level of control at the Carr Avenue Pump Station.	Newington (Hartford)	0.9	2027	1.2	Between 2031 and 2040
N19 I/I Reduction Phase II	Private inflow removal to achieve 50% reduction (when performed in conjunction with Phase I) in the N19 sewershed, as required to achieve 10-year level of control at the Carr Avenue Pump Station.	Newington (Hartford)	4.6 (2.1)	2027	5.8 (2.7)	Between 2031 and 2040 ⁴
	Newi	ngton Subtotal	13.3 (4.5)		17 (5.8)	

- 1) Extensive sewer rehabilitation is being performed on a yearly basis in conjunction with the District's Member Town's paving programs. Therefore, the scope of rehabilitation planned in a SSOMP project may change over time, as the District may elect to rehabilitate sewers planned for rehabilitation in an SSOMP project if a Town is planning on paving the road where the sewer is located, in advance of the planned contract work.
- 2) Opinion of probable cost is in 2018 dollars as detailed in the May 2020 update to the 2018 CSO LTCP/IP. Cost is presented as total cost of project, with the cost for the associated Town drainage work, which would be conducted/paid by the Towns, in parentheses when applicable.
- 3) Adjusted opinion of probable cost escalates the cost to the end of 2023. Actual cost for future projects will need to be adjusted once the schedule for completion has been identified. Cost is presented as total cost of project, with the cost for the associated Town drainage work, which would be conducted/paid by the Towns, in parentheses when applicable. Additionally, these projects will require coordination with the Towns to perform this work, therefore the anticipated completion schedule for these projects may be impacted by the Towns.
- 4) While private inflow projects have been identified within Newington, West Hartford, and RHWPCF, the completion and schedule of these projects will likely occur in a phased approach that will be subject to coordination with each Town, as dictated by each Town's stormwater improvements projects (Phase II of these projects). West Hartford has initiated these improvements, and the District has begun discussions with the Towns of Newington and Wethersfield.
- 5) The increase in cost in the West Hartford SSES Implementation Contract 2012-59 (2024B-19) is largely due to the addition of sewer lateral lining (previously not included in the contract) and added sewer main rehabilitation beyond the original SSES recommendations that were included in other CSO LTCP/IP projects within the sewersheds (including WH29, WH30, and WH31 Phase I Projects). This scope addition is consistent with the District's current approach to include lateral renewal in all projects, resulting from the scopes developed with CT DEEP and USEPA for the North Hartford pilot program.

Project Name ¹	Project Description	Town (WPCF)	Opinion of Probable Cost (\$M, 2018) ²	Completion Date (per May 2020 IP Update)	Adjusted Opinion of Probable Cost (\$M) ³	Adjusted Completion Date
RH2 & RH2B I/I Reduction Phase I	Lateral lining to achieve 50% reduction (when performed in conjunction with Phase II) in two sewersheds, as required to mitigate wet weather flows at the RHWPCF and achieve level of service goals within sewersheds.	Wethersfield (Rocky Hill)	4.7	2022	5.5	Between 2031 and 2040
RH2 & RH2B I/I Reduction Phase II	Private inflow removal to achieve 50% reduction (when performed in conjunction with Phase I) in two sewersheds, as required to mitigate wet weather flows at the RHWPCF and achieve level of service goals within sewersheds.	Wethersfield (Rocky Hill)	5.9 (2.1)	2022	7.5 (2.7)	Between 2031 and 2040 ⁴
Wethersfield Trunk Sewer Redirection & Elm St Sewer Improvements	Relocation of the Wethersfield Trunk Sewer to remove it from an inaccessible wetland area, for both maintenance improvements and the reduction of I/I as required to mitigate wet weather flows at the RHWPCF.	Wethersfield (Rocky Hill)	28.6	2028	35	Between 2031 and 2040
RHWPCF Sewershed Subtotal		39.2 (2.1)		48 (2.7)		
Montclair/ Linnard Sewer Improvements	Reconfiguration of existing sewer for improved conveyance capacity to mitigate sewer surcharging and sewer backups. The 2028 CSO LTCP/IP Update will review and potentially revise these recommendations.	West Hartford (Hartford)	2.3	2041	3	Between 2031 and 2040

- 1) Extensive sewer rehabilitation is being performed on a yearly basis in conjunction with the District's Member Town's paving programs. Therefore, the scope of rehabilitation planned in a SSOMP project may change over time, as the District may elect to rehabilitate sewers planned for rehabilitation in an SSOMP project if a Town is planning on paving the road where the sewer is located, in advance of the planned contract work.
- 2) Opinion of probable cost is in 2018 dollars as detailed in the May 2020 update to the 2018 CSO LTCP/IP. Cost is presented as total cost of project, with the cost for the associated Town drainage work, which would be conducted/paid by the Towns, in parentheses when applicable.
- 3) Adjusted opinion of probable cost escalates the cost to the end of 2023. Actual cost for future projects will need to be adjusted once the schedule for completion has been identified. Cost is presented as total cost of project, with the cost for the associated Town drainage work, which would be conducted/paid by the Towns, in parentheses when applicable. Additionally, these projects will require coordination with the Towns to perform this work, therefore the anticipated completion schedule for these projects may be impacted by the Towns.
- 4) While private inflow projects have been identified within Newington, West Hartford, and RHWPCF, the completion and schedule of these projects will likely occur in a phased approach that will be subject to coordination with each Town, as dictated by each Town's stormwater improvements projects (Phase II of these projects). West Hartford has initiated these improvements, and the District has begun discussions with the Towns of Newington and Wethersfield.
- The increase in cost in the West Hartford SSES Implementation Contract 2012-59 (2024B-19) is largely due to the addition of sewer lateral lining (previously not included in the contract) and added sewer main rehabilitation beyond the original SSES recommendations that were included in other CSO LTCP/IP projects within the sewersheds (including WH29, WH30, and WH31 Phase I Projects). This scope addition is consistent with the District's current approach to include lateral renewal in all projects, resulting from the scopes developed with CT DEEP and USEPA for the North Hartford pilot program.

Project Name ¹	Project Description	Town (WPCF)	Opinion of Probable Cost (\$M, 2018) ²	Completion Date (per May 2020 IP Update)	Adjusted Opinion of Probable Cost (\$M) ³	Adjusted Completion Date
West Hartford SSES Implementation Contract 2012- 59 (2024B-19)	Repair/Rehabilitation of sanitary sewers and Manholes in West Hartford, as required to achieve goal of 10% reduction in I/I (Town-Wide) for CD SSO Compliance.	West Hartford (Hartford)	11.0	2021	39 ⁵	2025 (mainline rehab); 2026 (lateral rehab)
WH29 I/I Reduction Phase I	Lateral lining to achieve 50% reduction (when performed in conjunction with Phase II) in the WH-29 sewershed, as required to mitigate wet weather flows in West Hartford.	West Hartford (Hartford)	4.3	2038	3.7	Between 2031 and 2040
WH29 I/I Reduction Phase II	Private inflow removal to achieve 50% reduction (when performed in conjunction with Phase I) in the WH-29 sewershed, as required to mitigate wet weather flows in West Hartford.	West Hartford (Hartford)	7.8 (3.4)	2036	10 (4.4)	Between 2031 and 2040 ⁴
WH30 I/I Reduction Phase I	Lateral lining to achieve 50% reduction (when performed in conjunction with Phase II) in the WH-30 sewershed, as required to mitigate wet weather flows in West Hartford.	West Hartford (Hartford)	5.5	2039	2.9	Between 2031 and 2040
WH30 I/I Reduction Phase II	Private inflow removal to achieve 50% reduction (when performed in conjunction with Phase I) in the WH-30 sewershed, as required to mitigate wet weather flows in West Hartford.	West Hartford (Hartford)	13.4 (6.3)	2040	17 (8)	Between 2031 and 2040 ⁴

- 1) Extensive sewer rehabilitation is being performed on a yearly basis in conjunction with the District's Member Town's paving programs. Therefore, the scope of rehabilitation planned in a SSOMP project may change over time, as the District may elect to rehabilitate sewers planned for rehabilitation in an SSOMP project if a Town is planning on paving the road where the sewer is located, in advance of the planned contract work.
- 2) Opinion of probable cost is in 2018 dollars as detailed in the May 2020 update to the 2018 CSO LTCP/IP. Cost is presented as total cost of project, with the cost for the associated Town drainage work, which would be conducted/paid by the Towns, in parentheses when applicable.
- 3) Adjusted opinion of probable cost escalates the cost to the end of 2023. Actual cost for future projects will need to be adjusted once the schedule for completion has been identified. Cost is presented as total cost of project, with the cost for the associated Town drainage work, which would be conducted/paid by the Towns, in parentheses when applicable. Additionally, these projects will require coordination with the Towns to perform this work, therefore the anticipated completion schedule for these projects may be impacted by the Towns.
- 4) While private inflow projects have been identified within Newington, West Hartford, and RHWPCF, the completion and schedule of these projects will likely occur in a phased approach that will be subject to coordination with each Town, as dictated by each Town's stormwater improvements projects (Phase II of these projects). West Hartford has initiated these improvements, and the District has begun discussions with the Towns of Newington and Wethersfield.
- The increase in cost in the West Hartford SSES Implementation Contract 2012-59 (2024B-19) is largely due to the addition of sewer lateral lining (previously not included in the contract) and added sewer main rehabilitation beyond the original SSES recommendations that were included in other CSO LTCP/IP projects within the sewersheds (including WH29, WH30, and WH31 Phase I Projects). This scope addition is consistent with the District's current approach to include lateral renewal in all projects, resulting from the scopes developed with CT DEEP and USEPA for the North Hartford pilot program.

Project Name ¹	Project Description	Town (WPCF)	Opinion of Probable Cost (\$M, 2018) ²	Completion Date (per May 2020 IP Update)	Adjusted Opinion of Probable Cost (\$M) ³	Adjusted Completion Date
WH31 I/I Reduction Phase I	Lateral lining to achieve 50% reduction in the WH-31 sewershed (when performed in conjunction with Phase II), as required to mitigate wet weather flows in West Hartford.	West Hartford (Hartford)	8.3	2040	4.5	Between 2031 and 2040
WH31 I/I Reduction Phase II	Private inflow removal to achieve 50% reduction in the WH-31 sewershed (when performed in conjunction with Phase I), as required to mitigate wet weather flows in West Hartford.	West Hartford (Hartford)	15.5 (8)	2041	19 (9.8)	Between 2031 and 2040 ⁴
	West Hartford Subtotal		68.1 (17.7)		99.1 (22.2)	
Decker's Brook Trunk Sewer Improvements	Replacement of the Deckers Brook TS for improved conveyance capacity to mitigate sewer surcharging. The 2028 CSO LTCP/IP Update will review and potentially revise these recommendations.	Windsor (Hartford)	6.3	2030	8	Between 2031 and 2040
	Windsor Subtotal		6.3		8	
Total of SSO Projects		126.9 (24.3)		172.1 (30.7)		

- 1) Extensive sewer rehabilitation is being performed on a yearly basis in conjunction with the District's Member Town's paving programs. Therefore, the scope of rehabilitation planned in a SSOMP project may change over time, as the District may elect to rehabilitate sewers planned for rehabilitation in an SSOMP project if a Town is planning on paving the road where the sewer is located, in advance of the planned contract work.
- 2) Opinion of probable cost is in 2018 dollars as detailed in the May 2020 update to the 2018 CSO LTCP/IP. Cost is presented as total cost of project, with the cost for the associated Town drainage work, which would be conducted/paid by the Towns, in parentheses when applicable.
- 3) Adjusted opinion of probable cost escalates the cost to the end of 2023. Actual cost for future projects will need to be adjusted once the schedule for completion has been identified. Cost is presented as total cost of project, with the cost for the associated Town drainage work, which would be conducted/paid by the Towns, in parentheses when applicable. Additionally, these projects will require coordination with the Towns to perform this work, therefore the anticipated completion schedule for these projects may be impacted by the Towns.
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- The increase in cost in the West Hartford SSES Implementation Contract 2012-59 (2024B-19) is largely due to the addition of sewer lateral lining (previously not included in the contract) and added sewer main rehabilitation beyond the original SSES recommendations that were included in other CSO LTCP/IP projects within the sewersheds (including WH29, WH30, and WH31 Phase I Projects). This scope addition is consistent with the District's current approach to include lateral renewal in all projects, resulting from the scopes developed with CT DEEP and USEPA for the North Hartford pilot program.







