



*Town of Swampscott*  
*Department of Public Works*

22 Monument Avenue  
Swampscott, Massachusetts 01907

Tel: 781-596-8860

Fax: 781-596-8828

Gino A. Cresta Jr, Director  
[gcresta@swampscottma.gov](mailto:gcresta@swampscottma.gov)

Natalie Swanstrom, Business Manager  
[nswanstrom@swampscottma.gov](mailto:nswanstrom@swampscottma.gov)

March 1, 2024

Ms. Elizabeth Kudarauskas  
Water Compliance Unit  
U.S. Environmental Protection Agency, Region 1  
5 Post Office Square, Suite 100  
Mail Code OES04-2  
Boston, MA 02109-3912

**SUBJECT: Consent Decree Compliance Report  
Period 8/1/2023 to 1/31/2024**

Dear Ms. Kudarauskas:

Pursuant to Paragraph 66 of the Consent Decree between the U.S. EPA and the Town of Swampscott, MA, I am providing the following certification statement with regard to the preparation and submittal of: **Compliance Reporting – Period 8/1/2023 to 1/31/2024**

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

Gino A. Cresta, Jr.  
Director of Public Works

# MEMORANDUM

TO: Elizabeth Kudarauskas | US EPA

FROM: David Peterson | Kleinfelder

DATE: March 1, 2024

CC: Gino Cresta | Town of Swampscott  
Mark Thompson, Cecilia Carmona, John Rahill | Kleinfelder

**SUBJECT: COMPLIANCE REPORTING - CASE 1:15-CV-13388-DJC  
SWAMPSCOTT, MASSACHUSETTS**

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## **Purpose:**

This Compliance Report is provided pursuant to Paragraph 33 of the subject Consent Decree between the United States of America and the Town of Swampscott, MA. This report covers the reporting period noted below:

<b>Reporting Period:</b> August 1, 2023 through January 31, 2024
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Through this reporting period, activities primarily included:

- Completion of Phase 1C sewer rehabilitation improvements in Stacy's Brook.
- Execution of work order to begin illicit discharge detection and elimination (IDDE) and design services for the Phase 2 sewer improvements in Stacy's Brook.
- Furthering the recommendations from the published report a study on engineering alternatives to improve water quality at King's Beach.

The following report summarizes the activities performed during the reporting period.

## **Phase 1C Construction Closeout**

The Stacy's Brook Sewer System Rehabilitation Project Phase 1C included comprehensive sewer rehabilitation in specific neighborhoods in the Stacy's Brook catchment, consisting of cured in place pipe (CIPP) lining of sewer mainlines and laterals, and sewer manhole rehabilitation.

The Phase 1C project scope included the comprehensive rehabilitation of the sewer collection system in the remaining Phase 1 areas that were not completed in Phases 1A or 1B. These areas are primarily located in the southern part of the Stacy's Brook catchment that converge at the intersection of Paradise Road and Norfolk Avenue.

Outside the physical limits of the Phase 1 area, the Phase 1C project scope also includes CIPP lining of approximately 1,000 linear feet of sewer mainlines on Puritan Road, adjacent to Fisherman's Beach. These mainlines were included as an additive bid item and were considered priority repairs because of the high bacteria counts found on Puritan Road during the catchment investigations within the Fisherman's Beach area.

Kleinfelder awarded the Phase 1C contract to National Water Main Cleaning Co. (NWMCC) on December 28, 2020 for a total contract price of \$1,762,773. The Town issued the Notice to Proceed on February 9, 2021, and construction activities began shortly after in March 2021. As of January 31, 2023 the project was substantially complete. As of January 3, 2024 the project was fully completed.

During this current reporting period, the contractor completed final punch list items which included CIPP rehabilitation and pre and post CCTV inspection of four (4) private sewer laterals.

Kleinfelder reviewed all final CCTV inspection videos from NWMCC and was satisfied with the completeness and quality of the work completed by NWMCC under the Phase 1C contract. As such, Kleinfelder prepared a final balancing change order and recommended that the Town process final payment to NWMCC including all retainage. The total contract value at completion is \$2,566,089.78. The project is now fully completed and no further work will be conducted under the contract.

We have included a detailed summary final costs for the project in **Appendix A**.

Please reference the September 1, 2023 semi-annual report for a more detailed writeup of the overall Phase 1 comprehensive sewer improvements program.

## **Phase 2 IDDE and Design**

Now that Phase 1 is complete, the Town is committed to pursuing elimination of non-stormwater discharges within the "Phase 2" area which incorporates all catchment area upstream of King's Beach that was not addressed as part of Phase 1.

During the current reporting period, the Town approved a scope and funding for Kleinfelder to perform IDDE and design of sewer improvements within the Phase 2 area.

The project will include a comprehensive field investigation program intended to identify areas of the Town's sewer system that might be source(s) of non-stormwater discharges to the drainage system. The field investigations will determine the scope of the subsequent design of sewer improvements for the Phase 2 area. It is anticipated that the recommended improvements for Phase 2 will utilize similar methods to replace and rehabilitate sewers, sewer manholes, underdrain manholes, and private sewer laterals as Phase 1. However, we plan to reevaluate the approach as part of this project to ensure that it still meets the desired design intent of the overall program.

Additionally, the Phase 2 IDDE and design project includes a reevaluation of the sewer and drain systems on “lower” Banks Road (between Walker Road and Paradise Road), which was previously rehabilitated as part of Phase 1 but has demonstrated persistent stormwater quality degradation. As part of this project, Kleinfelder will work with the Town to develop a comprehensive plan to search for remaining non-stormwater discharges entering the stormwater system on “lower” Banks Road.

During the next reporting period, Kleinfelder will provide an update on the progress of IDDE field investigations within the Phase 2 area.

### **Efforts to Accelerate Opening King’s Beach**

As described in the September 1, 2023 semi-annual report, the Town of Swampscott established a stakeholder team to help further its evaluation of alternatives recommended by Kleinfelder in the Basis of Design Report submitted in February 2023. The alternatives aim to help alleviate stormwater quality degradation at King’s Beach. The stakeholder team included representatives from the following entities:

1. City of Lynn
2. Lynn Water and Sewer Commission (LWSC)
3. Town of Swampscott
4. Massachusetts Department of Environmental Protection (MassDEP)
5. Save the Harbor / Save the Bay
6. Selected consultants

During this reporting period, the stakeholder team continued coordination with MassDEP and EPA to obtain support for the recommendations made. The stakeholder team’s specific objective is to obtain assistance with accelerating permitting and to provide support in seeking funds to pay for the selected project. Discussions have continued to reveal some concerns held by MassDEP and EPA about the suitability of UV treatment as an appropriate solution given it is not widely used to treat stormwater. Despite the concerns, the Town of Swampscott and the City of Lynn have elected to move forward with a sampling program aimed at evaluating the efficacy of UV disinfection over a range of stormwater conditions (e.g. dry weather, wet weather, and varying tidal conditions). This sampling program will begin this spring.

Additionally, MassDEP and EPA have continued to express support for the communities to pursue the extension of the King’s Beach outfall into Nahant Bay. Kleinfelder has submitted a proposal for preliminary investigations and modeling of King’s Beach outfall and Nahant Bay. The Town of Swampscott is waiting for further input from MassDEP and EPA before moving forward with this proposal.

Finally, a new alternative emerged during this reporting period to treat dry weather stormwater flows with peracetic acid. The solution may provide an affordable temporary solution to disinfect flows at King’s Beach while a more permanent solution is determined. The stakeholder group has expressed interest in conducting a bench scale pilot test for the peracetic acid alternative to better understand its effectiveness at King’s Beach. Kleinfelder plans to submit a proposal for the bench scale study in the upcoming reporting period. Pending results of the bench scale study, the Town

of Swampscott and City of Lynn may be interested in pursuing an on-site pilot program during the summer of 2024. This would require the ability of EPA to permit the pilot.

### **Fisherman's Beach (Areas Beyond Stacy's Brook) Sewer Improvements**

No work was completed during this reporting period to address sewer improvements in the Fisherman's Beach tributary area. However, we wanted to provide a summary of the upcoming work in this area since it is slated to be completed as soon as the Town secures a funding source.

The Areas Beyond Stacy's Brook (ABSB) consist of all portions of the Town's sewer and drain infrastructure that are not tributary to King's Beach. Under Paragraphs 18 and 19 of the Consent Decree between the Town and USEPA, the Town was required to investigate and identify all non-stormwater discharges to the stormwater outfalls not tributary to King's Beach and then subsequently design improvements to eliminate the non-stormwater discharges. The Town completed the IDDE and sampling program for each outfall and identified the project limits for the ABSB project by selecting catchments where drain, sewer, and/or underdrain are in close proximity to each other and existing dry weather enterococcus screening yielded results in excess of 2,000 MPN/100ml. This screening criterion was recommended by USEPA to identify the highest priority areas.

Once the limits for the ABSB project were defined, Kleinfelder completed field investigations in four catchments, the largest and most notable being the subarea tributary to Fisherman's Beach outfall that discharges on the beach near the intersection of Puritan Road and Marshall Street. The field investigations included CCTV inspections, smoke testing, dye testing, and additional dry and wet weather sampling. During the investigations, one indirect illicit connection was identified where a sewer pipe crossed through a drain manhole and was leaking through a structural defect in the pipe. The Town immediately removed the illicit connection by hiring a contractor to rehabilitate the sewer pipe with CIPP.

Even with the illicit connection was removed, dry weather and wet weather sampling results at the Fisherman's Beach outfall remained beyond acceptable limits. The findings from the field investigations concluded that there remain portions of the Fisherman's Beach tributary area where the sewer and drain systems exhibit poor structural condition and, as such, contaminated flows are most likely exfiltrating from the sewer system into the storm drain system. In March 2020, Kleinfelder completed final design for improvements to the sewer system tributary to the Fisherman's Beach outfall. The design targeted improvements on portions of the ABSB that exhibited poor structural condition. Certain portions of the ABSB, including several of the smaller catchments that were investigated, were not recommended for improvements since the sewers were found to be in good condition and the drains exhibited low levels of dry weather flow.

The Fisherman's Beach Sewer Improvements project includes targeted pipe replacement and rehabilitation of sewer mainlines, sewer laterals, and sewer manholes to repair identified structural defects and potential points of exfiltration into the storm drain. The project is ready to move forward to construction once a funding source is established. At this time, the funding source is

uncertain, but the Town is exploring use of available ARPA funds, CWSRF funding, or issuing municipal construction bonds for the work.

**Schedule of Next Steps**

Based on the information laid out in this report, the following implementation schedule for continuing to pursue source elimination and King’s Beach water quality improvements is provided in **Figure 1**.

<b>Project</b>	<b>1/1/24 - 6/30/24</b>	<b>7/1/24 - 12/31/24</b>	<b>1/1/25 - 6/30/25</b>	<b>7/1/25 - 12/31/25</b>	<b>1/1/26 - 6/30/26</b>	<b>7/1/26 - 12/31/26</b>
<b>Source Elimination Tasks</b>						
Phase 2 IDDE and Design, Banks Road Follow Up Investigations						
Phase 2A Construction						
Fisherman's Beach (ABSB) Construction*						
<b>King's Beach Water Quality Engineering</b>						
Outfall Extension Pre-Design Investigations and Modeling						
UV Treatment Sampling Program						
Peracetic Acid Bench Test						

\* The schedule for Fisherman's Beach (ABSB) Sewer Improvements Construction is subject to change based on funding availability.

**Figure 1 - Proposed 3-Year Implementation Schedule**

**Tracking Data Tables:**

In accordance with Paragraph 33 of the Consent Decree, a series of tracking tables are presented furnishing the information requested.

- a) Chronology of SSO Events Occurring during Reporting Period
- b) Catchment Area Inspections Completed during Reporting Period
- c) Percentage of Catchment Area Investigated and Addressed
- d) Listing of Illicit Discharges Verified during Reporting Period
  - i) Illicit Connections
  - ii) Sanitary Sewer Defects
- e) Map of Location of Each Illicit Discharge Verified during Reporting Period
- f) Chart of Inspections Completed and Enforcement Actions Taken during Reporting Period
- g) List of Plans, Reports and other Submissions Required by this Consent Decree made during the Reporting Period
- h) Copies of Sampling Results Received during Reporting Period
- i) Planned Activities during the 6 Months Following the Reporting Period
- j) Summary of Non-Compliance with this Consent Decree during the Reporting Period

**a) Chronology of SSO Events Occurring during Reporting Period**

There were no reported SSO events during the current reporting period.



**b) Catchment Area Inspections completed during Reporting Period**

**c) Percentage of Catchment Area Investigated and Addressed**

Note that this reporting is in relation to meeting the Remedial Measures stipulated in Section VII of the consent decree. In order to meet the objectives of the consent decree, the Town’s scope of work is not specifically following an IDDE Plan, but rather, is directly following the Remedial Measures themselves, and the Scope of Work for the Stacy’s Brook drainage area that was submitted to the EPA on 10/26/2015.

33.b.i, ii	Sub-Catchment Area ID	Number of Drain Manholes in Sub-Catchment	Number of Drain Manholes Inspected						Number of Drain Manholes Addressed					
			Previous Reporting Periods		This Reporting Period		To-Date		Previous Reporting Periods		This Reporting Period		To-Date	
			QTY	%	QTY	%	QTY	%	QTY	%	QTY	%	QTY	%
1	Stacey's Brook	236	29	12%	0	0%	29	12%	6	3%	0	0%	6	3%
2	Other	372	78	21%	0	0%	78	21%	0	0%	0	0%	0	0%
		<b>TOTAL</b>	107	18%	0	0%	107	18%	6	1%	0	0%	6	1%

33.b.iii, 33.c	Sub-Catchment Area ID	Length of Drain in Sub-Catchment	Length of Drain Inspected						Length of Drain Addressed					
			Previous Reporting Periods		This Reporting Period		To-Date		Previous Reporting Periods		This Reporting Period		To-Date	
			FT	%	FT	%	FT	%	FT	%	FT	%	FT	%
1	Stacey's Brook	55,600	21,100	38%	0	0%	21,100	38%	650	1%	0	0%	650	1%
2	Other	95,000	3,263	3%	0	0%	3,263	3%	85	0%	0	0%	85	0%
		<b>TOTAL</b>	24,363	16%	0	0%	24,363	16%	735	0%	0	0%	735	0%

d) Listing of Illicit Discharges Verified during Reporting Period

										Total Volume Removed (Gallons)							
										Prior Reporting Periods	271,776						
										This Reporting Period	0						
										Cumulative To Date	271,776						
Discharge Type	Date Verified	Location / Address	SOURCE if: Building Type	SOURCE if: Sewer Exfiltration	Estimated Flow (GPM)	Actions Taken to Remove	Date Removed	Cost to Remove	Volume Removed (Gallons) (Reporting Period)	Actively Discharging > 60 Days	Explanation	Schedule for Removal	Private Discharges Persisting > 90 days	Town's Legal Enforcement Actions	Reasons for Delay		
Paragraph ->	i.	i.	i.	i.	ii.	iii.	iv.	v.	vi.	vii.	vii.	viii.	ix.	ix.	x.		
Sewer Defect	12/20/2023	246 Burrill St	Residential	Sewer Service Repair	not estimated	Private contractor performed repair	12/20/2023	unknown	unknown	No	n/a	completed	No	None	n/a		
Sewer Defect	12/5/2023	21 Pine Hill Rd	Residential	Sewer Service Repair	not estimated	Private contractor performed repair	12/5/2023	unknown	unknown	No	n/a	completed	No	None	n/a		
Sewer Defect	8/1/2023	67 Walnut Rd	Residential	Sewer Service Repair	not estimated	Private contractor performed repair	8/1/2023	unknown	unknown	No	n/a	completed	No	None	n/a		

**e) Map of Location of Each Illicit Discharge Verified during Reporting Period**

A map showing the locations of all illicit discharges is included in **Appendix B**.

**f) Chart of Inspections Completed and Enforcement Actions Taken during Reporting Period**

Town staff members reported no inspections or enforcement actions taken during this reporting period.

**g) List of Plans, Reports and other Submissions Required by this Consent Decree made during the Reporting Period**

Submission Description	Date Completed	Consent Decree Paragraph Reference
Bi-Annual Progress Report	9/1/2023	33

**h) Copies of Sampling Results Received during Reporting Period**

Sampling was not completed during this reporting period.

**i) Planned Activities during the 6 Months Following the Reporting Period**

During the period February 1, 2024 through July 31, 2024 the following activities are anticipated:

- Conduct IDDE field investigations within the Phase 2 area of Stacy’s Brook and lower Banks Road.
- Initiate the next steps with the Town of Swampscott in investigating alternatives to improve water quality at King’s Beach (UV Treatment, Outfall Extension, and Peracetic Acid).

**j) Summary of Non-Compliance with this Consent Decree during the Reporting Period**

There has been no non-compliance during this report period.

## **Appendix A**

### Phase 1C Final Cost Table

STACEY'S BROOK SEWER REHABILITATION PROJECT PHASE 1C  
Swampscott, MA

STACEY'S BROOK PHASE 1C - BALANCING CHANGE ORDER

Date: 2/7/2024

BID ITEM	Description	Unit	Unit Price	Quantity (as Bid)	Quantity (completed)	Quantity (difference)	Value (Contract )	Value (Completed)	Value (difference)
<b>BASE BID</b>									
1	Mobilization / Demobilization (Should not exceed 5% of total bid)	LS	\$10,000.00	1	1	0	\$10,000.00	\$10,000.00	\$0.00
2.1	Heavy Cleaning 8" to 12" Pipeline	LF	\$5.00	1,200	6,614	5,414.00	\$6,000.00	\$33,070.00	\$27,070.00
2.2	Heavy Cleaning of Service Lateral	LF	\$40.00	1,000	2,962	1,962.00	\$40,000.00	\$118,480.00	\$78,480.00
3.1	8" Cured-in-Place Pipeline	LF	\$24.20	8,100	11,432	3,332.00	\$196,020.00	\$276,654.40	\$80,634.40
3.2	10" Cured-in-Place Pipeline	LF	\$25.25	1,280	1,294	14.00	\$32,320.00	\$32,673.50	\$353.50
3.3	12" Cured-in-Place Pipeline	LF	\$29.60	2,660	1,610	(1,050.00)	\$78,736.00	\$47,656.00	-\$31,080.00
4.1	Sewer Point Repair ROW	EA	\$8,062.50	8	12	4.00	\$64,500.00	\$96,750.00	\$32,250.00
4.2	Lateral Point Repair ROW	EA	\$5,912.50	12	31	19.00	\$70,950.00	\$183,287.50	\$112,337.50
4.3	Lateral Point Repair Private	EA	\$1,600.00	12	4	(8.00)	\$19,200.00	\$6,400.00	-\$12,800.00
5.1	Cutting Intruding Laterals	EA	\$200.00	4	4	-	\$800.00	\$800.00	\$0.00
6.1	Lateral Cleaning and CCTV	LF	\$16.75	9,500	14,464	4,963.50	\$159,125.00	\$242,263.63	\$83,138.63
6.2	Lateral Set-UP	EA	\$3,350.00	233	231	(2.00)	\$780,550.00	\$773,850.00	-\$6,700.00
6.3	Lateral CIPP	LF	\$1.00	7,150	5,005	(2,145.00)	\$7,150.00	\$5,005.00	-\$2,145.00
6.4	Lateral Clean-Out	EA	\$1.00	5	0	(5.00)	\$5.00	\$0.00	-\$5.00
7.1	Manhole Cementitious Lining	VF	\$160.00	358	566	208.28	\$57,280.00	\$90,604.80	\$33,324.80
7.2	Manhole Chimney Seal	EA	\$275.00	71	0	(71.00)	\$19,525.00	\$0.00	-\$19,525.00
8.1	Type 2 Underdrain Manhole Rehabilitation	EA	\$1,350.00	24	0	(24.00)	\$32,400.00	\$0.00	-\$32,400.00
9.1	AC Abatement	EA	\$2,000.00	2	0	(2.00)	\$4,000.00	\$0.00	-\$4,000.00
<b>ALTERNATE BID</b>									
2.1	Heavy Cleaning of 8" Pipeline	LF	\$5.00	100	-	(100.00)	\$500.00	\$0.00	-\$500.00
2.2	Heavy Cleaning of Service Lateral	LF	\$40.00	100	-	(100.00)	\$4,000.00	\$0.00	-\$4,000.00
3.1	8" Cured-in-Place Pipeline	LF	\$27.20	1,730	-	(1,730.00)	\$47,056.00	\$0.00	-\$47,056.00
3.2	10" Cured-in-Place Pipeline	LF	\$28.25	320	-	(320.00)	\$9,040.00	\$0.00	-\$9,040.00
4.1	Sewer Point Repair ROW	EA	\$2,062.50	2	-	(2.00)	\$4,125.00	\$0.00	-\$4,125.00
4.2	Lateral Point Repair ROW	EA	\$5,912.50	2	-	(2.00)	\$11,825.00	\$0.00	-\$11,825.00
4.3	Lateral Point Repair Private	EA	\$1,600.00	2	-	(2.00)	\$3,200.00	\$0.00	-\$3,200.00
6.1	Lateral Cleaning and CCTV	LF	\$16.75	900	279.00	(621.00)	\$15,075.00	\$4,673.25	-\$10,401.75
6.2	Lateral Set-UP	EA	\$3,350.00	22	7.00	(15.00)	\$73,700.00	\$23,450.00	-\$50,250.00
6.3	Lateral CIPP	LF	\$1.00	680	110.00	(570.00)	\$680.00	\$110.00	-\$570.00
6.4	Lateral Clean-Out	EA	\$1.00	1	-	(1.00)	\$1.00	\$0.00	-\$1.00
7.1	Manhole Cementitious Lining	VF	\$160.00	76	9.00	(67.00)	\$12,160.00	\$1,440.00	-\$10,720.00
7.2	Manhole Chimney Seal	EA	\$275.00	10	80.00	70.00	\$2,750.00	\$22,000.00	\$19,250.00
8.1	Type 2 MH Rehabilitation	EA	\$2,500.00	0	-	-	\$0.00	\$0.00	\$0.00
9.1	AC Abatement	EA	\$50.00	2	-	(2.00)	\$100.00	\$0.00	-\$100.00
<b>Subtotals</b>							<b>\$1,762,773.00</b>	<b>\$1,969,168.08</b>	<b>\$206,395.08</b>
<b>CHANGE ORDERS</b>									
CO#1	Cleaning & CCTV - Cassidy Park Outfall	LS	\$6,750.00	1.00	1.00	-	\$6,750.00	\$6,750.00	\$0.00
CO#2	Lateral Point Repairs - Renegotiated Price	EA	\$5,412.50	77.00	68.00	(9.00)	\$416,762.50	\$368,050.00	-\$48,712.50
CO#3	Hampden Street Storm Drain Repair	LS	\$3,705.53	1.00	1.00	-	\$3,705.53	\$3,705.53	\$0.00
CO#3	Lateral Spot Repair and Restoration - Devens Road	LS	\$3,812.50	1.00	1.00	-	\$3,812.50	\$3,812.50	\$0.00
CO#3	CCTV and Heavy Cleaning - Banks Road	HR	\$450.00	8.00	8.00	-	\$3,600.00	\$3,600.00	\$0.00
CO#3	CIPP Sectional Liners	EA	\$3,000.00	2.00	2.00	-	\$6,000.00	\$6,000.00	\$0.00
CO#4	Jetvac Excavation	HR	\$300.00	4.00	4.00	-	\$1,200.00	\$1,200.00	\$0.00
CO#5	CCTV and Heavy Cleaning - Thomas Street	HR	\$450.00	6.00	6.00	-	\$2,700.00	\$2,700.00	\$0.00
CO#6	Cassidy Park Outfall Pipe Cleaning and Rehabilitation	LS	\$76,446.50	1.00	1.00	-	\$76,446.50	\$76,446.50	\$0.00
CO#7	Lateral Point Repairs - McGrath Enterprises	LS	\$54,850.00	1.00	1.00	-	\$54,850.00	\$54,850.00	\$0.00
CO#8	Lateral Point Repair - 74 Paradise Rd - McGrath Enterprises	LS	\$10,498.90	1.00	1.00	-	\$10,498.90	\$10,498.90	\$0.00
CO#8	Lateral CIPP - From Private Homes	EA	\$6,080.67	5.00	5.00	-	\$30,403.35	\$30,403.35	\$0.00
CO#8	Lateral CIPP - Plumber Costs	DAY	\$2,000.00	2.00	2.00	-	\$4,000.00	\$4,000.00	\$0.00
CO#9	Norfolk Ave Drain Line Repair	LS	\$24,904.92	1.00	1.00	-	\$24,904.92	\$24,904.92	\$0.00
<b>Subtotals</b>							<b>\$645,634.20</b>	<b>\$596,921.70</b>	<b>-\$48,712.50</b>
<b>TOTAL</b>							<b>\$2,408,407.20</b>	<b>\$2,566,089.78</b>	<b>\$157,682.58</b>

Original Contract	\$1,762,773.00
Approved COs (1-8)	\$620,729.28
All COs (CO#9 Included)	\$645,634.20
Subtotal: Contract Price w/ All COs	\$2,408,407.20
Completed Contract Value	\$2,566,089.78
<b>Balancing Value</b>	<b>\$157,682.58</b>

**Appendix B**  
Illicit Discharge Map



**LEGEND**

**TYPE**

- ★ ILLICIT DISCHARGE
- ★ SSO \*
- Chlorination Facility
- ▲ MS4 Outfall
- Catch Basin
- Drain Manhole
- Drain Culvert
- Drain Pipe
- Underdrain Manhole
- Sewer Manhole
- Sewer Pump Station
- Sewer - Gravity
- Sewer - Force Main
- Under Drains

**303d Listed Waters**

- ▨ Fish Consumption, Not Supporting
- ▨ Shellfish Harvesting, Not Supporting
- Water Bodies
- Parcels
- Town Borders



\* NOTE: NO SSO EVENTS WERE REPORTED IN THIS REPORTING PERIOD

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PROJECT NO.	20192126
DRAWN:	3/1/2024
DRAWN BY:	JVR
CHECKED BY:	DTP
FILE NAME:	Compliance Reporting

**APPENDIX B**  
**ILLICIT DISCHARGE & SSO LOCATIONS**  
**REPORTING PERIOD: 8/1/23 TO 1/31/24**

EPA Consent Decree  
 Swampscott, Massachusetts