



Town of Swampscott Department of Public Works

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September 1, 2017

Mr. Neil Handler
Senior Enforcement Officer
Water Technical Unit
U.S. Environmental Protection Agency, Region 1
5 Post Office Square, Suite 100
Mail Code OES04-4
Boston, MA 02109-3912

**SUBJECT: Consent Decree Compliance Report
Period 2/1/2017 to 7/31/2017**

Dear Mr. Handler:

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 2/1/2017 to 7/31/2017**

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: Neil Handler | US EPA
CC: Gino Cresta | Town of Swampscott
FROM: David Peterson | Kleinfelder
DATE: September 1, 2017
SUBJECT: **COMPLIANCE REPORTING - CASE 1:15-CV-13388-DJC
SWAMPSCOTT, MASSACHUSETTS**

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:

Reporting Period: February 1, 2017 through July 31, 2017

Through this reporting period, the primary activity was the construction of Phase 1A sewer rehabilitation within the Stacey's Brook area. Bids for construction were opened on January 31, 2017. The following report summarizes construction progress during the Reporting Period.

Bid Opening and Award Recommendation

A total of eleven (11) bids were received for the Phase 1A construction contract during bid opening on 1/31/2017. The apparent responsive low bidder was DeFelice Corporation (Dracut, MA) with a total bid amount of \$923,250.

Kleinfelder reviewed bidder references and made a recommendation to the Town to award the construction contract to DeFelice. As of the date of this report, the work under this contract is approximately 90% complete.

Construction Summary

The scope of work of Phase 1A consists of the removal and replacement of approximately 5,970 linear feet of 6" vitrified clay pipe with 8" PVC pipe, the repair of 25 type 1 underdrain manholes, the installation of 3 precast manholes and the removal and replacement of 1 existing manhole



with a precast manhole on Norfolk Avenue. The base bid contract price is \$823,250 with an additional unforeseen conditions allowance of \$100,000, which is paid to the contractor in the form of change orders for extra work.

As of 7/31/17, DeFelice Corporation had installed 5,230 linear feet of 8" PVC sewer pipe and 1 precast manhole. Unforeseen conditions encountered by the Contractor included the removal of approximately 491 cubic yards of ledge, repair of a mismarked water service and a drain lateral and repair of a home owner's sewer service lateral.

The work remaining to complete includes the installation of 740 linear feet 8" PVC pipe, 2 precast manholes, and the repair of 25 type 1 underdrain manholes.

The Contractor's request for payment #4, dated 7/31/17 included total construction costs completed and stored of \$717,987.65, which included two change orders for the unforeseen conditions listed previously.

Phase 1B Bidding and Construction

The next construction phase (Phase 1B) shall generally consist of cured-in-place pipelining (CIPP) of the main line sewers within the Stacey's Brook area. Approximately 32,100 linear feet of sewer ranging from 8 inches to 12 inches diameter will be included. A tabular summary of construction quantities and costs was included in Kleinfelder's Memorandum to the EPA, dated December 28, 2016.

This phase of construction is expected to be publically bid in the Fall of 2018 and construction expected to start thereafter.

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

Paragraph -->	i.	i.	x.	ii.	iii.	iii.	iii.	iv.	iv.	v.	vi.	vii.	vii.	viii.	ix.	ix.	xi.	xii.
#	Date/Time Reported	Date/Time Event Stopped	Date Reported to EPA and DEP	Location	Final Disposition	Property Backup (address)	Receiving Drainage Structure	Receiving Surface Water	Location Release Reached Surface Water	Source of Notification	Cause(s) of Release	Cause = Blockage	Cause = Capacity Issue	Measures Taken to Stop Discharge	Volume of Release (Gallons)	Basis of Estimate	Measures Taken to Prevent Future SSOs	Date of Last SSO at this Location
NO SSOs were reported during this period																		

xiii. GIS Map Locating each Illicit Discharge and SSO Event

Illicit discharges reported in Section d) are illustrated on the map in Attachment A. No SSOs were reported during this 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 Stacey'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	21	9%	0	0%	21	9%	6	3%	0	0%	6	3%
2	Other	372	47	13%	0	0%	47	13%	0	0%	0	0	0	0
		TOTAL	68		0		68		6		0		6	

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	21000	38%	0	0%	21000	38%	650	1%	0	0%	650	1%
2	Other	95,000	0	0	0	0	0	0	0	0%	0	0	0	0
		TOTAL	21000		0		21000		650		0		650	



d) Listing of Illicit Discharges Verified during Reporting Period

										Total Volume Removed (Gallons)						
										181,316						
										Not quantified						
										181,316						
Discharge Type	Date Verified	Location / Address	SOURCE: Building Type	SOURCE: Sewer Exfiltration	Estimated Flow (GPM)	Actions Taken to Remove	Date Removed	Cost to Remove	Volume Removed (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	7/24/2017	31-33 Bristol Ave	Residential	Sewer Service Repair	not estimated	Connection to main was not made during main replacement project. Tied in using PVC.	7/24/2017	unknown	unknown	No	n/a	completed	No	None	n/a	
Sewer Defect	5/23/2017	34 Blodgett Ave	Residential	Sewer Service Repair	not estimated	Re-connection after a building was proposed to be torn down.	5/23/2017	unknown	unknown	No	n/a	completed	No	None	n/a	
Sewer Defect	5/9/2017	18 Roy Street	Residential	Sewer Service Repair	not estimated	Existing pipe had damage from tree roots. Contractor cut out damaged section and replaced with new pipe.	5/9/2017	unknown	unknown	No	n/a	completed	No	None	n/a	
Sewer Defect	5/2/2017	16 Andrew Road	Residential	Sewer Service Repair	not estimated	A sinkhole was reported in the front lawn and later discovered to be a collapsed service. Replaced section with PVC.	5/2/2017	unknown	unknown	No	n/a	completed	No	None	n/a	
Sewer Defect	4/10/2017	32 Puritan Road	Residential	Sewer Service Repair	not estimated	Pipe re-laid from main to dwelling.	4/10/2017	unknown	unknown	No	n/a	completed	No	None	n/a	



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

Illicit discharges reported in Section d) are illustrated on the map in Attachment A.

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

Number of Routine Inspections	Number of Complaint-Response Related Inspections	Number of Total Construction Inspections
0	5	0

Enforcement Actions Taken (Type)	Enforcement Actions Taken (Number)
Notifications to Property Owner	0
Entry To Perform Duties	0
Penalty (Fines)	0
Orders	0
Civil Relief	0
Town Resolved using own means (no enforcement)	0

NOTE: The five complaint-related responses are related to the sewer service issues noted in Section d).



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	3/1/2017	33

h) Copies of Sampling Results Received during Reporting Period

No samples were taken during the reporting period.

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

During the period August 1, 2017 through January 31, 2018 the following activities are anticipated:

- Complete the construction of Phase 1A sewer improvements.
- Prepare and submit a draft Scope of Work for identifying and removing non-stormwater discharges from the Town’s MS4 outfalls at key locations outside the Stacey’s Brook drainage area.
- Prepare and submit an update to the Town’s GIS map, due 1/31/2018.



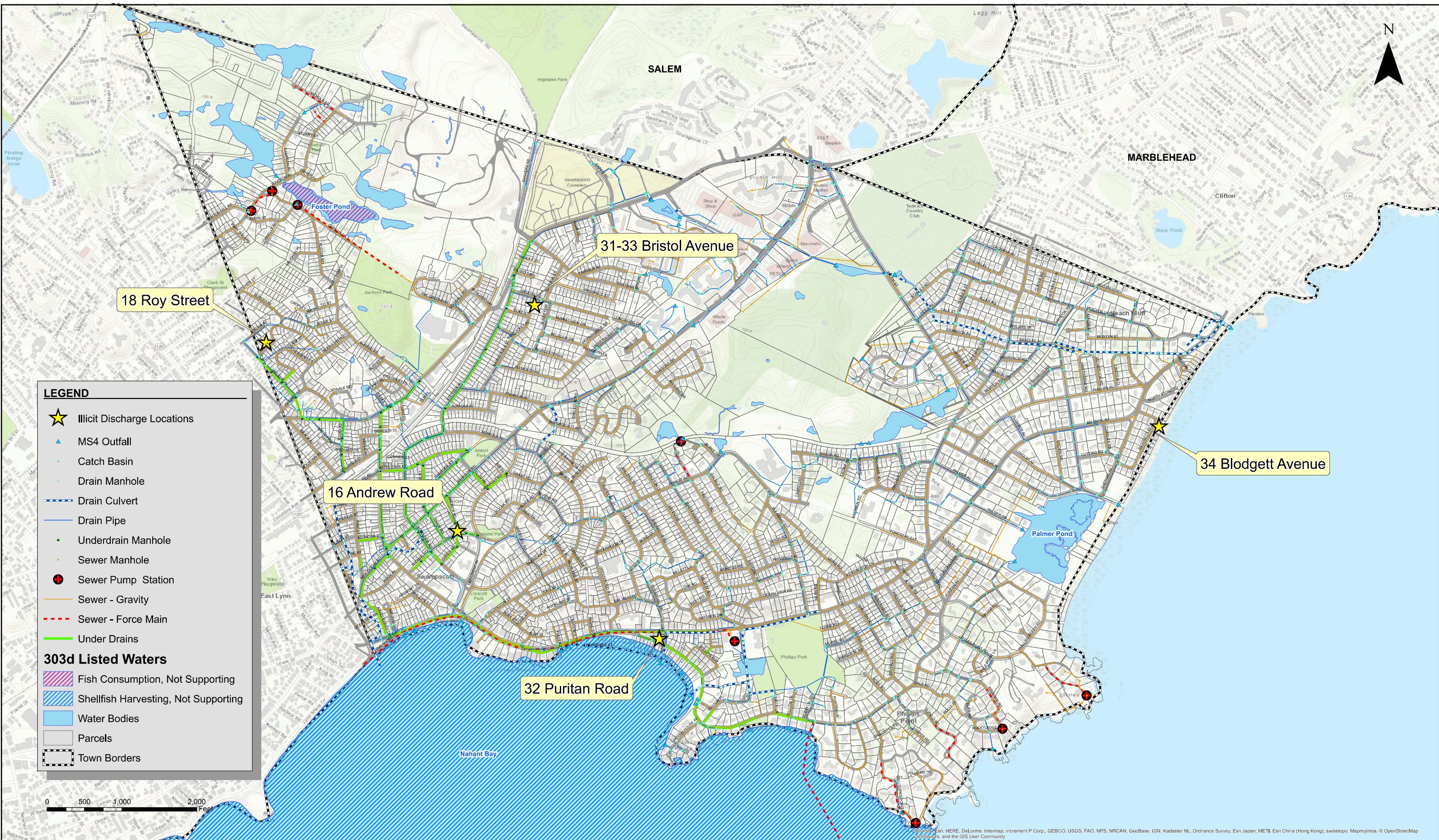
j) Summary of Non-Compliance with this Consent Decree during the Reporting Period

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



ATTACHMENT A

Map of Illicit Discharge Locations
During Reporting Period



LEGEND

- ★ Illicit Discharge Locations
- ▲ 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



The information on this map was derived from a variety of sources and is not intended to be used for purposes not intended by the original source. The user assumes all liability for any use of this information.

	PROJECT NO.	20172822	ATTACHMENT A ILLICIT DISCHARGE LOCATIONS REPORTING PERIOD: 2/1/17 to 7/31/17
	DRAWN:	8/30/2017	
	DRAWN BY:	DS	EPA Consent Decree Swampscott, Massachusetts
	CHECKED BY:	DTP	
FILE NAME:		Compliance Reporting	