

AGENDA

DATE: Monday, July 17, 2023

TIME: 5:30 PM

PLACE: By Video Conference and Teleconference

To facilitate access, members of the public may join a meeting by telephone, Zoom, and/or the City of Norwalk YouTube channel. Specific instructions and links can be found at www.norwalkct.org/meetings.



Members of the public can call in and listen to a meeting. They will not be able to speak or see any of the meeting participants. Each meeting will use a unique Meeting/Webinar ID. Please find the information using the link above.



Members of the public who wish to provide "live comments" will need to register in advance and use the Zoom meeting platform. All participants will be muted upon entering the meeting. To speak, click the "raise your hand indicator" and you will be called on by the host of the meeting during the public comment section. Please find the information using the link above.



Members of the public who wish to view the meeting, but are not participating, can view a live stream on the City of Norwalk YouTube channel. This stream is delayed by approximately 20 seconds. Please find the information using the link above. The meeting recording and minutes will be posted on the City of Norwalk website within seven (7) days after the meeting.



Members of the public who wish to provide public comment are encouraged to submit those via email in advance of the meeting. For these comments to be read into the record, they should be submitted at least three hours in advance of the meeting start time. Please email Dilene Byrd at dbyrd@norwalkct.org to provide written public comment prior to a meeting.

WPCA Regular Meeting:

1. Call to Order
2. Public Input - (Guests at WPCA meetings may speak to any item on the agenda. Comments shall be limited to no more than three (3) minutes per speaker.)
3. Approve the minutes from WPCA Meeting held on June 20, 2023. (copy included)
4. Authorize the transfer of balances in the following accounts set aside in Fiscal Year 2022-23 to Fiscal Year 2023-24 to be used for the same purpose the funds were intended for.

<u>Account No.</u>	<u>Amount</u>	<u>Vendor</u>
224062-5258	\$2,335,975	Veolia
224062-5298	\$10,637.50	Snyder Group

5. Contract Operations Report:
 - a. Veolia Monthly Operating Report – June 2023 (copy included)
 - b. FST #1 Rehabilitation
 - c. 60-inch Interceptor pile removal and repair
 - d. Blend Tank No. 1 Rehabilitation
 - e. Major Repair or Replacement / Out of Scope Items:
 - 1) Site Security Cameras – TeleBeam (copy included)
 - 2) Wet Well Cleaning – Inland Waters (copy included)
6. Reports:
 - a. FY22/23 Revenues/Expenditures MUNIS Report (copy included)
 - b. Discussion on WPCA Engineering Design Projects:
 - 1) WPCF Facility Plan Update (letter included)
 - 2) CB Disconnect Program
 - 3) Hubbells Lane Sanitary Relief Sewer Design (copy included)
 - 4) Sammis and Bell Island Sewershed Rehabilitation
 - 5) Keeler Brook PS Replacement
 - a. Force Main Inspection
 - c. Discussion on WPCA Construction Projects:
 - 1) Collection – Wall Street / 2 Knight Street Relocation and Improvements
 - 2) Collection – Dreamy Hollow Project
 - 3) PS - Five Mile, Old Trolley Way, Karen Dr., and Woodward Ave. Rehabilitation
 - d. Consent Order:
 - 1) 2023 Annual Progress Report (copy included)
 - e. Sewer Use Bill Appeals/Adjustments Update
 - 1) Appeal status
 - f. Information Copies: None
7. Adjournment

Next WPCA Meeting: **Monday, September 18, 2023, 5:30 PM**
By Video Conference and Teleconference

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**CITY OF NORWALK
WATER POLLUTION CONTROL AUTHORITY VIA ZOOM VIRTUAL
VIDEOCONFERENCE AND TELECONFERENCE
REGULAR MEETING
June 20, 2023**

Attendance: Darren Oustafine, Chairman
John Igneri, Vice Chairman
Barbara Smyth
Greg Burnett
Chris Mannella

Staff: Vanessa Valadares, Chief of Operations and Public Works
Chris Torre, Superintendent of Operations
Ralph Kolb, WPCA Senior Environmental Engineer
Neyla Bauer, Wastewater Systems Manager

Others: John Marcin, Project Manager, Veolia
Mathew Brown, Asst. Project Manager, Veolia
Jason O'Brien, Veolia
Mat Todaro, Verrill Law
Maye Emlein, Verrill Law

1. CALL TO ORDER

Mr. Oustafine called the meeting to order at 5:30PM.

2. EXECUTIVE SESSION TO DISCUSS FACILITY PLAN UPDATE

**** MR.IGNERI MOVED TO ENTER INTO EXECUTIVE SESSION.**

**** THE MOTION PASSED UNANIMOUSLY.**

Executive session began at 5:31PM.

Executive session ended at 6:20PM.

There were no motions made and no votes were taken.

3. APPROVE THE MINUTES FROM WPCA MEETING HELD ON MAY 15, 2023. (COPY INCLUDED

**** MR.IGNERI MOVED TO APPROVE THE MINUTES AS AMENDED.**

**** THE MOTION PASSED WITH UNANIMOUSLY.**

4. ELECTION OF OFFICERS AND SECRETARY FOR THE PERIOD BETWEEN JULY 1, 2023, TO JUNE 30, 2024.

****MR.IGNERI MOVED TO NOMINATE MR. OUSTAFINE FOR CHAIRMAN.**

**** THE MOTION PASSED UNANIMOUSLY.**

**** MS. SMYTH MOVED TO NOMINATE MR.IGNERI FOR VICE CHAIRMAN.**

**** THE MOTION PASSED UNANIMOUSLY.**

**** MR. BURNETT MOVED TO NOMINATE MS. BYRD FOR SECRETARY.**

**** THE MOTION PASSED UNANIMOUSLY.**

5. CONTRACT OPERATIONS REPORT:

a. Veolia Monthly Operating Report-May 2023 (copy included)

Mr. Brown reported and said the collections system team completed over 1.96 miles of CCTV inspections, and cleaned over 4.8 miles of sewer, and inspected over 228 manholes, and completed over 6.5 miles of SL-RAT inspections. He said they also completed 22 IPP inspections.

Mr. Brown said the smoke testing at Webster Lot was completed in May and the findings of the report was shared with WPCA staff.

Mr. Brown said that on May 20, 2023, a significant rain event was experienced resulting in flows exceeding 30 MGD to the facility, and Outfall 002 did activate for 58 minutes and the facility maintained full 30 million gallons of treatment throughout the entire facility. He said the facility was in compliance with all permit requirements for the month of May, and all necessary reports were submitted to the CT DEEP and the EPA.

Mr. Brown said there was some grit and material in the grit channel that needed to be removed and they needed to come up with several different options and one of the options was to a dredging operation and utilized Norwalk Marine to do the work and the work was preformed overnight when there were low flows and the project went great.

b. Contract Year 4-Inflation Adjustment (letters included)

Letters were noted.

c. Blend Tank No. 1 Rehabilitation

Mr. Brown said this is a large project that has been ongoing and during the rehabilitation it was determined that the roof would also need to be replaced and the materials have been ordered but the project is on temporary hold until materials are delivered in July.

d. West Gravity Thickener Rehabilitation

Mr. Kolb said the west gravity thickener has been rehabilitated. Mr. Brown said the work was done by Northeast Water and they did a good job and was completed in a timely manner.

e. FST #1 Rehabilitation

Mr. Brown said has been off-line and under repair by Northeast Water and are making good progress and should be back on-line by the end of the month.

f. 60-Inch Interceptor pile removal and repair

There was no discussion.

g. Major Repair or Replacement/ Out of Scope Items:

- 1) Building 1- channel cleaning- Norwalk Marine (copy included)
- 2) Building 1- channel cleaning- Inland Waters (copy included)
- 3) Filtrate pump impeller upgrade (copy included)
- 4) Keeler Brook PS- force main inspection (copy included)

Mr. Kolb said the city has approved for Veolia to proceed with these four items.

6. REPORTS:

- a) FY 22/23 Revenues/Expenditures MUNIS Report (copy included)
There was no discussion.
- b) Discussion on WPCA Engineering Projects:
 - 1) WPCF Facility Plan Update (letter included)
Ms. Kolb said a 30-day extension request letter was sent to the CTDEEP.
 - 2) Sammis and Bell Island Sewershed Rehabilitation
Ms. Bauer reported and said that staff have been working with Brown and Caldwell on the final bid documents and will be reviewing them over the next few weeks and are targeting mid-July to go out to bid.
 - 3) Keeler Brook PS Replacement
Ms. Bauer reported and said last week staff presented at the Zoning Board of Appeals and received approval that evening for a variance from a two-story structure to a one-story structure.
- c) Discussion on WPCA Construction Projects:
 - 1) Collection- Wall Street/2 Knight Street Relocation and Improvements
Ms. Bauer said National Water Main is waiting for approval to begin the work to abandon the old sewer main beneath Wall Street.
 - 2) Dreamy Hollow Project
Ms. Bauer said over the last few weeks the box culverts have been installed along Daphanie Drive and are now moving towards Saddle Road to perform the sanitary sewer work there.
 - 3) PS- Five Mile, Old Trolley Way, Karen Dr., and Woodward Ave. Rehabilitation
Ms. Bauer said at the lining work for the three pipe segments has been scheduled at the Woodward Avenue pump station for one day next week and will be one full day of work. She said they have reached substantial completion for the work at the Woodward Avenue and Karen Drive pump station and most of that work has been completed aside from painting and landscaping.
- d) Sewer Use Bill Appeals/Adjustments Update
 - 1) Appeal Status
Ms. Bauer said the adjustments to date are \$39,693.

e)

Information Copies:

- 1) FEMA Reimbursement Letter (copy included)

Mr. Kolb said the WPCA will be receiving \$90,000 in reimbursement from damages and labor related to Tropical Storm Ida.

7. ADJOURNMENT

**** MR. IGNERI MOVED TO ADJOURN.**

**** THE MOTION PASSED UNANIMOUSLY.**

The meeting adjourned at 6:34PM.

Respectfully submitted,

Dilene Byrd

EXECUTIVE SUMMARY

June Highlights

- The Veolia collections system team completed 0.79 miles of TV inspection along with the cleaning of over 16.26 miles of sewer lines, 76 manhole inspections.
- The IPP inspection program conducted 32 inspections.
- Northeast Water completed the work on final settling tank one. Traver Electrical completed the wiring of the new turret and controls. FST One is back in service.
- Kovacs Construction has completed installing gaskets in our aeration piping to repair all leaks present.
- Green Mountain began the Steel Pile removal in the sixty-inch Interceptor at Moody's Lane. Most of the steel pile was removed in June. The remaining portion of the pile will be removed when the heavy inflow of groundwater at the base of the repair area is brought under control and sealed. Projected completion is scheduled for 7/14/23.
- While working on the pile removal heavy debris was noticed around the area. Veolia called in their drone and drone pilot to fly the sixty-inch trunk line. Over 300ft of heavy cobble and debris was found on the bottom of the pipe. Inland waters was hired to perform the heavy cleaning and should be completed by July 21, 2023
- Norwalk marine successfully dredged our influent grit channel removing nearly ten yards of material.

Regulatory Events

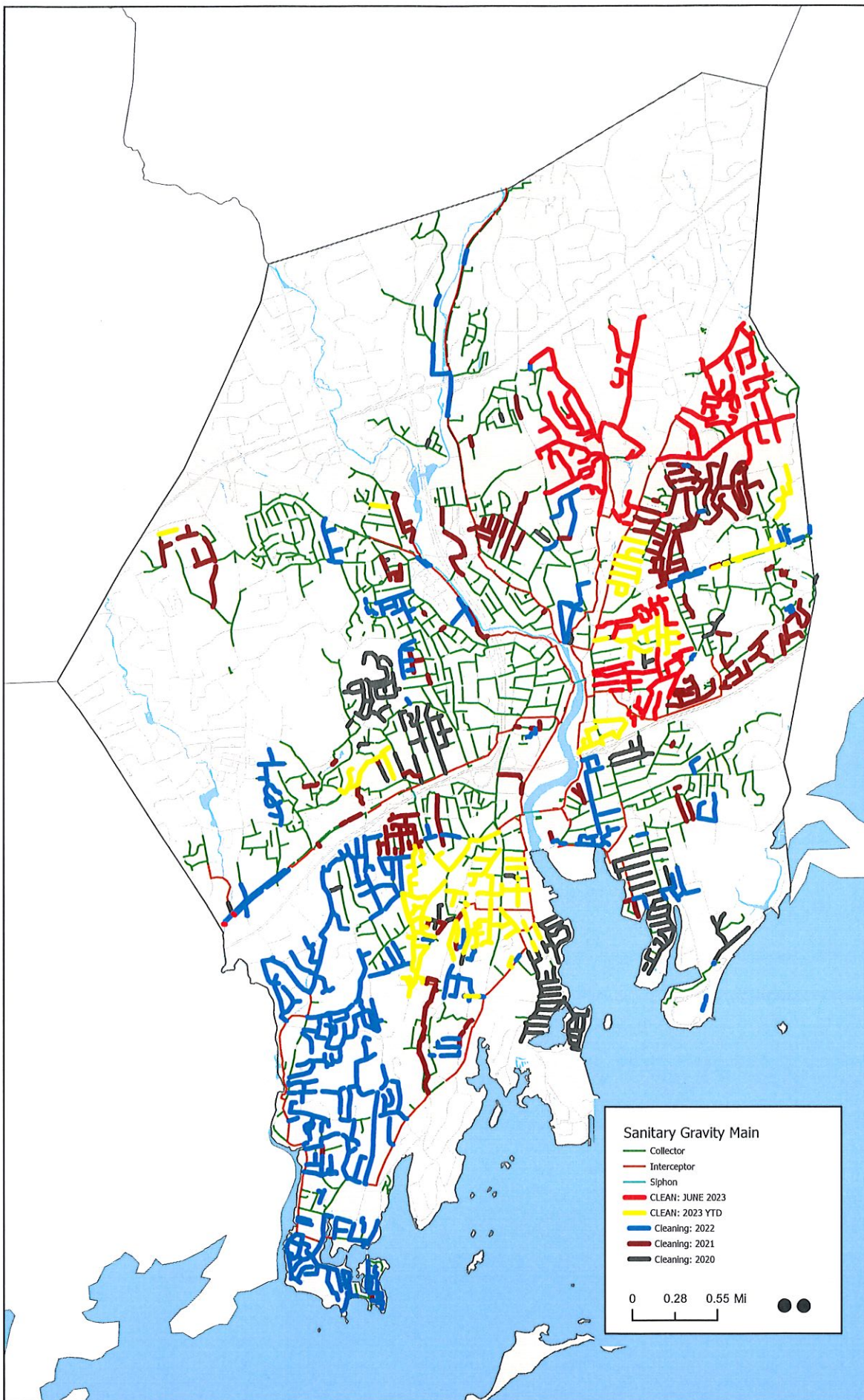
- The Facility was in compliance with all permit requirements for the month of June.
- The netDMR, MOR, and NAR reports were submitted to CT-DEEP and EPA in June.

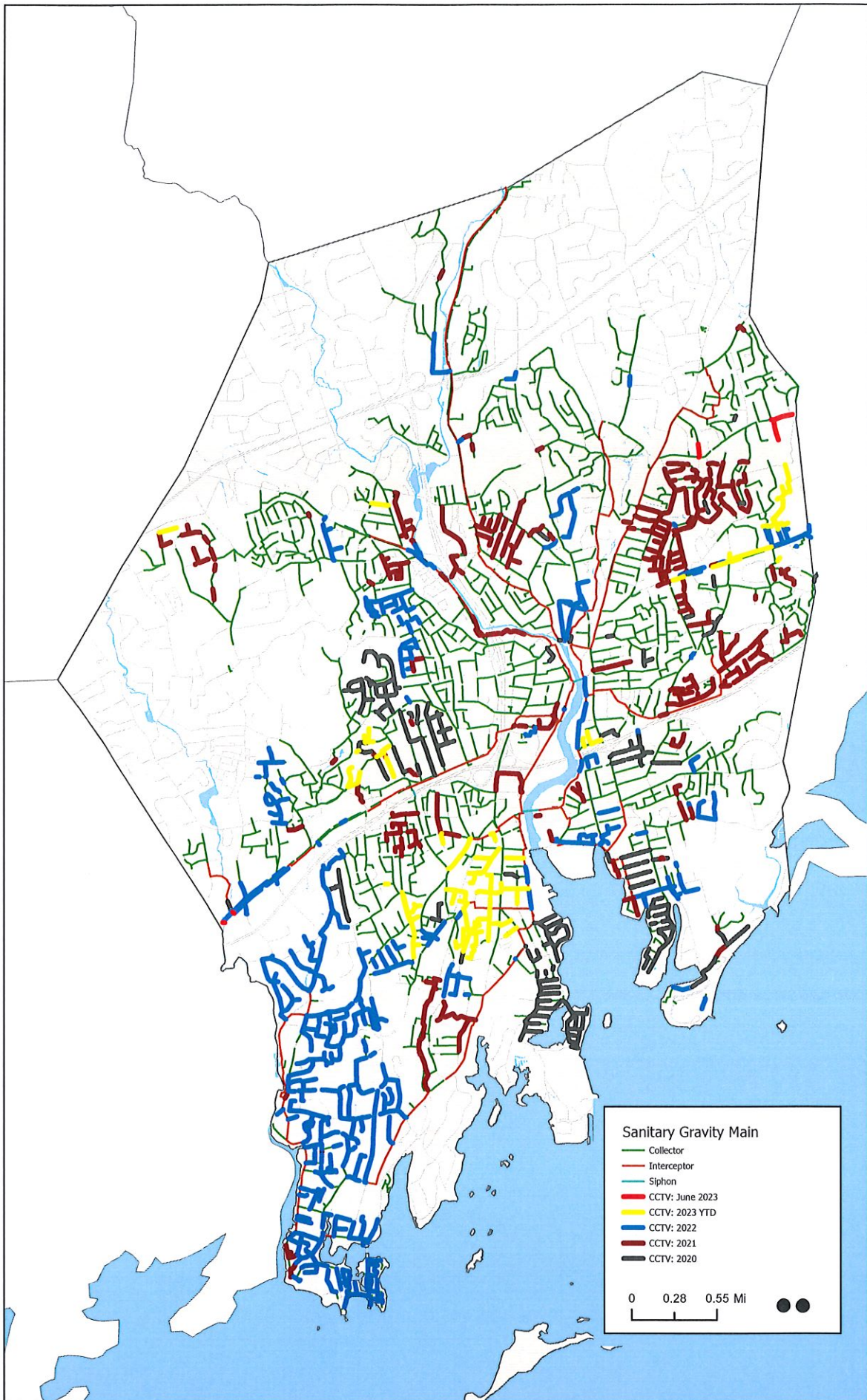
EXECUTIVE SUMMARY - Key Operational Parameters

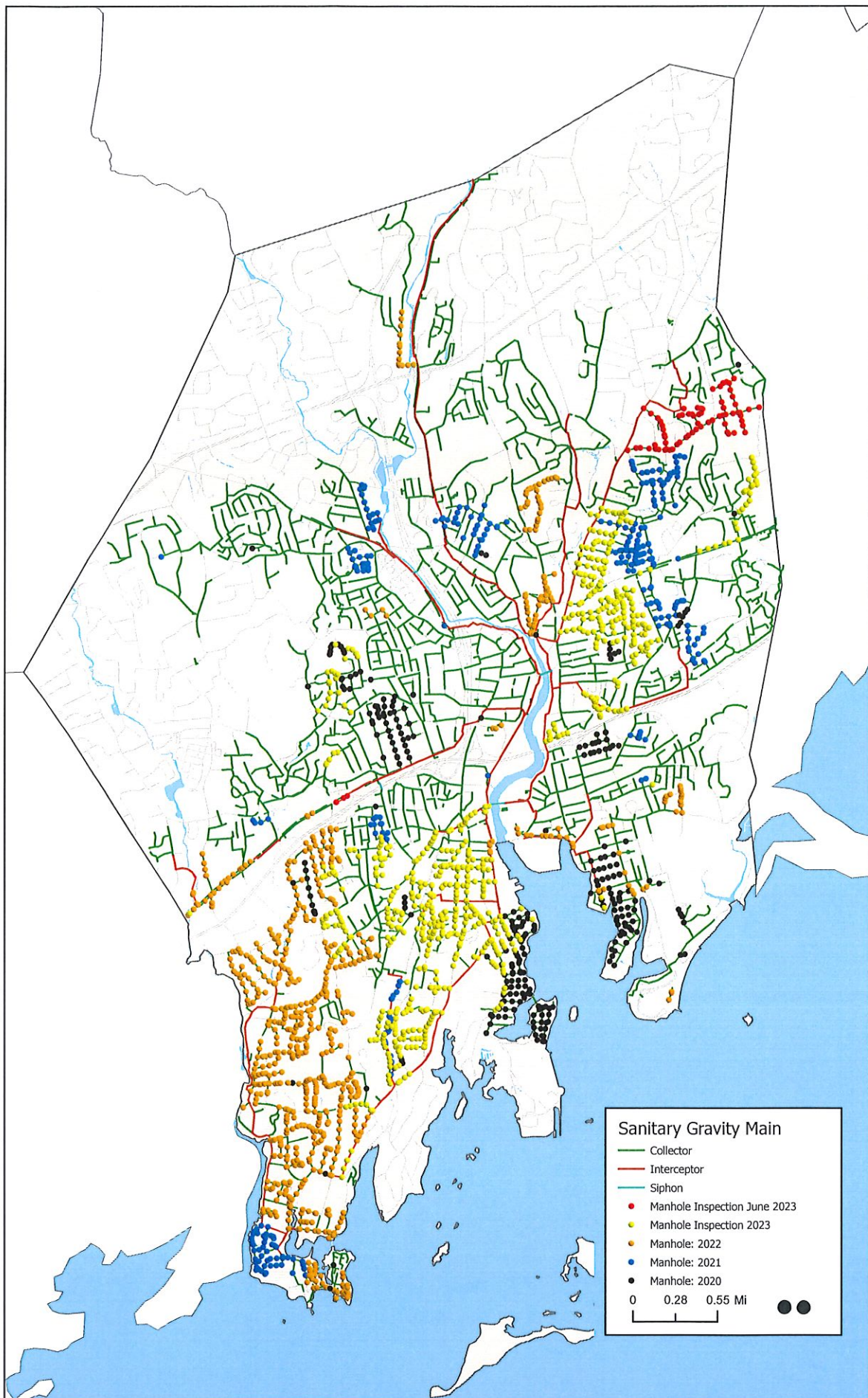
Parameter	Units	June Result	CYTD Result	Contract Limit
Average Daily Flow	Mgd	10.5	n/a	n/a
180 Day Average Daily Flow	Mgd	12.45	n/a	n/a
Effluent BOD	mg/l	2.7	n/a	10
Effluent TSS	mg/l	3.2	n/a	10
Effluent Fecal Coliform	# / 100 ml	14	n/a	10
Effluent Enterococci	# / 100 ml	16	n/a	30
Effluent Total Chlorine	mg/l	0.01	n/a	0.07
Effluent Total Nitrogen	lbs/day	515	n/a	1,000
Biosolids Quality (cake)	% solids	24	n/a	n/a
Biosolids Disposal (cake)	DT/month	216	n/a	n/a
Biosolids Disposal (liq)	DT/month	29	n/a	n/a
Biosolids Disposal (total)	DT/month	245	n/a	n/a
Grit and Screenings	WT/month	12	n/a	n/a
Chemicals – Hypochlorite	gal/month	9830	n/a	n/a
Chemicals – Bisulfite	gal/month	5212	n/a	n/a
Chemicals – Polymer	gal/month	1330	n/a	n/a
Chemicals – Odor C21ontrol	gal/month	0	n/a	n/a
Sewer Cleaning	Miles	16.26	31.25	3 miles (avg)
CCTV Inspection	Miles	0.79	27.42	2 miles (avg)
Odor Complaints	#	0	n/a	0
SL-RAT Inspection	Miles	0.00	22.34	60 months
Manhole Inspections	#	76	799	50/m
IPP Inspections	#	32	178	Approx. 500/year

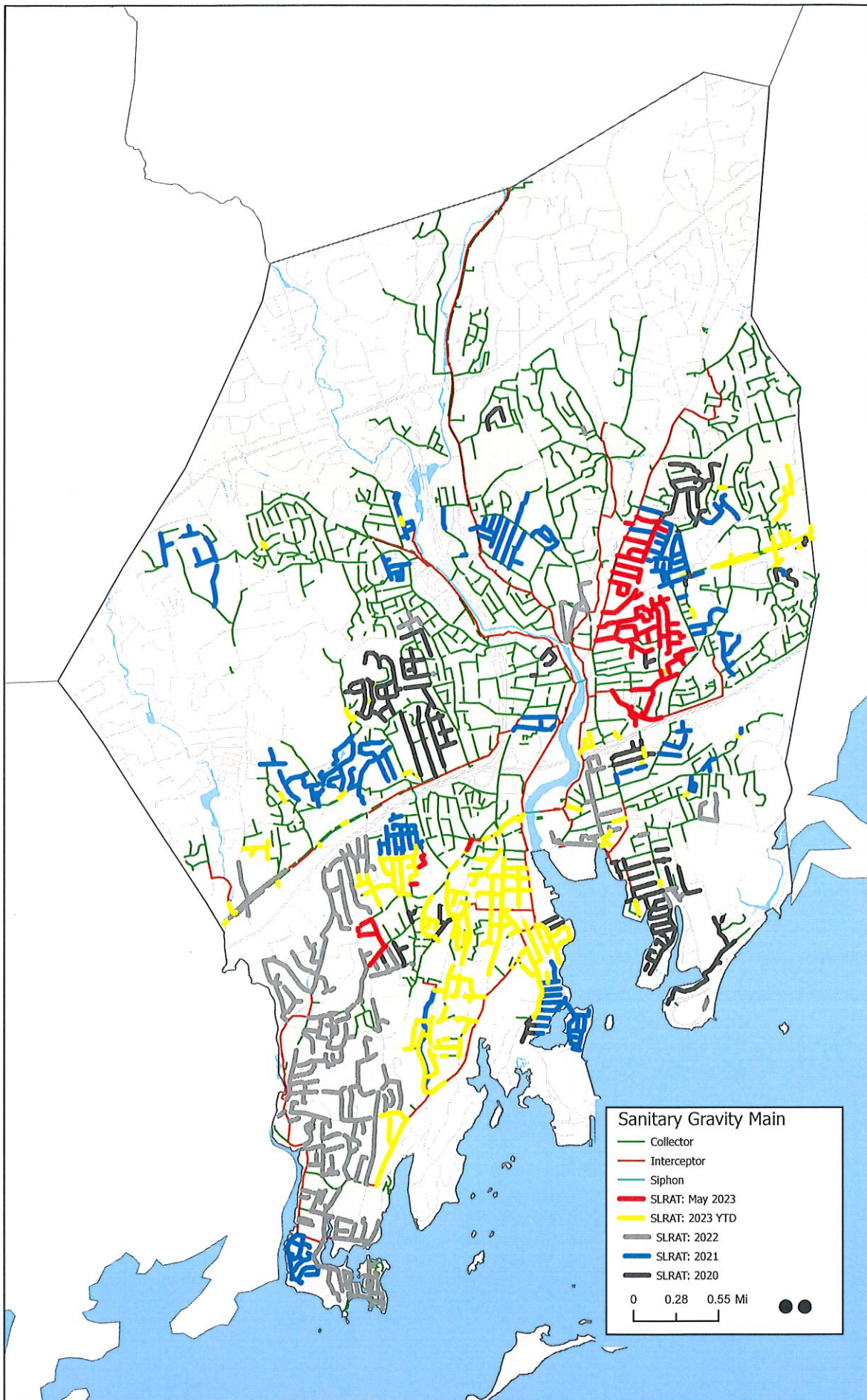
EXECUTIVE SUMMARY - Influent Flow











VEOLIA - Norwalk, CT - Procurement Review Form				
Project Name:		TELEBEAM CAMERAS		
BU/Cust :		00401 Veolia Municipal Water - 2159 Norwalk, CT		
Description of Goods/Services:				
Purchase and Installation of a Hanwha Vision/Samsung Camera Network See attached Quote				
Subcontractor / Vendor Bid Results Summary (detail below or attach results in spreadsheet)				
Selected Vendor:		TELEBEAM		
M/WBE Solicited	No	If no, describe why:	MBE supplier not available	
Bidder Names (* = incumbent)		TELEBEAM		
Bid Amount		\$117,341.95		
Bid Amount				
Total		\$117,341.95		
Subcontractor / Vendor Selection: Provide justification for use of vendor and describe contract benefits				
The Client, The city of Norwalk Approved The use of this Vendor				
Selected Vendor:				
Vendor / Subcontractor ()		TELEBEAM		
Vendor / Subcontractor ()		\$0.00		
Contingency (10%)				
Veolia Mark Up (15%)				
Other Project Costs		\$0.00		
Total Project Cost		\$117,341.95		
City of Norwalk Review				
Reviewed & Approved by:		Signature & Date		
Ralph K Kolb		6/22/2023		
(with approval from Chief of Operations and Public Works)		Ralph K. Kolb		
Comments RE.3830.07551.WMU.02				
Subcontractor / Vendor Spend Information				
Contract Type	R&M > \$10,000			
Contract Term		Task Order Value	\$	117,342
Expense Type	OPEX - PT			
Pricing Format	Cost plus 15%	Single / Sole Source Vendor Selectio		
Bond & Liquidated Damages	No	Legal Review	n/a	
Prevailing Wage Required	No	SCM Review	n/a	
Legal Review				
Reviewed & Approved by (Legal only):		Signature & Date		
SCM Review				
Reviewed & Approved by (SCM only):		Signature & Date		
Project Requester		Required Approvers		Required Approvers
Print Name:		Print Name:		
Sign:		Sign:		

Procurement Review Form Guidelines

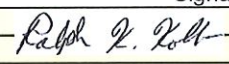
Purpose:

- 1) Form will serve as confirmation of SCM review and Legal review as needed.
- 2) Form will ensure compliance with corporate procurement guidelines.

When to Use the Form

This form must be completed for all purchases over \$25,000 and submitted to the Supply Chain Management team.

5.e.1

VEOLIA - Norwalk, CT - Procurement Review Form				
Project Name:		Cleaning the Influent Wet Wells		
BU/Cust :		00401 Veolia Municipal Water - 2159 Norwalk, CT		
Description of Goods/Services:				
Clean the north and south influent wet wells located in building #1. See the attached quote for details.				
Subcontractor / Vendor Bid Results Summary (detail below or attach results in spreadsheet)				
Selected Vendor:		Inland Waters		
M/WBE Solicited	No	If no, describe why:	MBE supplier not available	
Bidder Names (* = incumbent)	Inland Water			
Bid Amount	\$26,500.00			
Bid Amount				
Total	\$26,500.00			
Subcontractor / Vendor Selection: Provide justification for use of vendor and describe contract benefits				
Inland Waters is the preferred vendor for the City of Norwalk.				
Selected Vendor:				
Vendor / Subcontractor ()	\$0.00			
Vendor / Subcontractor ()				
Contingency (10%)	\$2,650.00			
Veolia Mark Up (15%)	\$0.00			
Other Project Costs	\$0.00			
Total Project Cost	\$29,150.00			
City of Norwalk Review				
Reviewed & Approved by:		Signature & Date		
Ralph K Kolb		 7/5/2023		
Comments RE.3830.07551.WMU.02				
Subcontractor / Vendor Spend Information				
Contract Type	R&M > \$10,000			
Contract Term		Task Order Value	\$	29,150
Expense Type	OPEX - PT			
Pricing Format	Cost plus 15%	Single / Sole Source Vendor Selectio		
Bond & Liquidated Damages	No	Legal Review		n/a
Prevailing Wage Required	No	SCM Review		n/a
Legal Review				
Reviewed & Approved by (Legal only):		Signature & Date		
SCM Review				
Reviewed & Approved by (SCM only):		Signature & Date		
Project Requester		Required Approvers		Required Approvers
Print Name:		Print Name:		
Sign:		Sign:		

Procurement Review Form Guidelines

Purpose:

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- 2) Form will ensure compliance with corporate procurement guidelines.

When to Use the Form

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5.e.2

YEAR-TO-DATE BUDGET REPORT

FOR 2023 99

ACCOUNTS FOR:	WATER POLLUTION CONTROL	ORIGINAL APPROP	TRANSFRS/ADJUSTMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
22	WATER POLLUTION CONTROL							
040	PUBLIC WORKS							
224062	WATER POLLUTION CONTROL							
224062 4051	INTEREST	-65,000	0	-65,000	-83,006.09	.00	18,006.09	127.7%
224062 4120	C0613 STATE GRT	0	0	0	-138,369.13	.00	138,369.13	100.0%
224062 4121	NITROGEN	-100,000	0	-100,000	-79,077.00	.00	-20,923.00	79.1%
224062 4451	SEWER PERM	-1,500	0	-1,500	-3,100.00	.00	1,600.00	206.7%
224062 4453	SEPTIC LIC	-1,000	0	-1,000	-3,100.00	.00	2,100.00	310.0%
224062 4513	SEWER CHRG	-17,044,000	0	-17,044,000	-17,484,300.43	.00	440,300.43	102.6%
224062 4516	SPT DIS FE	-175,000	0	-175,000	-234,214.00	.00	59,214.00	133.8%
224062 4521	WILTON SU	-600,000	0	-600,000	.00	.00	-600,000.00	.0%
224062 4522	SEWER USE	-45,000	0	-45,000	-60,991.00	.00	15,991.00	135.5%
224062 452C	INDUSTRIAL	-175,000	0	-175,000	-157,110.71	.00	-17,889.29	89.8%
224062 452D	SEWER CONN	-150,000	0	-150,000	-171,150.00	.00	21,150.00	114.1%
224062 452E	IPP INTERE	-5,000	0	-5,000	-4,432.74	.00	-567.26	88.7%
224062 4807	REIMB EXP	-1,000	0	-1,000	-12,484.63	.00	11,484.63	1248.5%
224062 489F	REIMB GF	-143,560	0	-143,560	-143,560.00	.00	.00	100.0%
224062 4901	INV INCOME	-110,000	0	-110,000	-79,507.53	.00	-30,492.47	72.3%
TOTAL	WATER POLLUTION CONTROL	-18,616,060	0	-18,616,060	-18,654,403.26	.00	38,343.26	100.2%
TOTAL	PUBLIC WORKS	-18,616,060	0	-18,616,060	-18,654,403.26	.00	38,343.26	100.2%
TOTAL	WATER POLLUTION CONTROL	-18,616,060	0	-18,616,060	-18,654,403.26	.00	38,343.26	100.2%
TOTAL	REVENUES	-18,616,060	0	-18,616,060	-18,654,403.26	.00	38,343.26	100.2%

6.a

YEAR-TO-DATE BUDGET REPORT

FOR 2023 99

ACCOUNTS FOR:	WATER POLLUTION CONTROL	ORIGINAL APPROP	TRANSFRS/ADJUSTMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
22	WATER POLLUTION CONTROL							
040	PUBLIC WORKS							
224062	WATER POLLUTION CONTROL							
224062 5110	WAGES & SA	413,270	0	413,270	418,021.89	.00	-4,751.89	101.1%
224062 5120	WAGES & SA	100,000	0	100,000	7,564.14	.00	92,435.86	7.6%
224062 5140	WAGES & SA	36,000	0	36,000	4,897.50	.00	31,102.50	13.6%
224062 5150	LONGEVITY	1,150	0	1,150	1,130.00	.00	20.00	98.3%
224062 5235	MEMBERSHIP	10,000	0	10,000	8,793.00	.00	1,207.00	87.9%
224062 5241	ELECTRIC	1,500,000	0	1,500,000	1,342,378.98	.00	157,621.02	89.5%
224062 5245	TELEPHONE	2,000	0	2,000	.00	.00	2,000.00	.0%
224062 5252	LEGAL SERV	250,000	0	250,000	128,732.00	.00	121,268.00	51.5%
224062 5258	OMI	9,882,606	1,091,314	10,973,920	7,877,517.68	140,932.58	2,955,469.77	73.1%
224062 5286	BUSINESS E	32,000	0	32,000	27,743.13	.00	4,256.87	86.7%
224062 5295	SEMINAR&CO	10,000	0	10,000	12,916.20	.00	-2,916.20	129.2%
224062 5298	OTHER	250,000	10,638	260,638	30,969.80	10,637.50	219,030.20	16.0%
224062 5418	INSURANCE	115,372	0	115,372	.00	.00	115,372.00	.0%
224062 5428	BENEFITS	220,273	0	220,273	.00	.00	220,273.00	.0%
224062 5521	PRINCIPAL	3,253,588	0	3,253,588	3,551,588.39	.00	-298,000.39	109.2%
224062 5522	INTEREST	1,101,898	0	1,101,898	1,141,897.58	.00	-39,999.58	103.6%
224062 5651	TO G/F	669,688	0	669,688	669,688.00	.00	.00	100.0%
224062 5741	IT HARDWAR	60,000	0	60,000	34,432.92	.00	25,567.08	57.4%
224062 5777	CONSTRUCT	0	0	0	3,974,551.10	.00	-3,974,551.10	100.0%
224062 5789	RESERVE	708,215	0	708,215	.00	.00	708,215.00	.0%
TOTAL WATER POLLUTION CONTROL		18,616,060	1,101,952	19,718,012	19,232,822.31	151,570.08	333,619.14	98.3%
TOTAL PUBLIC WORKS		18,616,060	1,101,952	19,718,012	19,232,822.31	151,570.08	333,619.14	98.3%
TOTAL WATER POLLUTION CONTROL		18,616,060	1,101,952	19,718,012	19,232,822.31	151,570.08	333,619.14	98.3%
TOTAL EXPENSES		18,616,060	1,101,952	19,718,012	19,232,822.31	151,570.08	333,619.14	98.3%



**Norwalk Water
Pollution Control
Authority**

www.wpcanorwalk.org

June 22, 2023

VIA ELECTRONIC MAIL

Ms. Ann Straut
Sanitary Engineer 3
Department of Energy and Environmental Protection
Bureau of Water Protection and Land Reuse
Water Planning & Management Division
79 Elm Street
Hartford, CT 06106-5127

Subject: City of Norwalk, CT, Consent Order
(# COWRMU22001)
Facility Plan Update Extension Request

Dear Ms. Straut:

In accordance with Section B.4 and B.19 of the above referenced Consent Order, and as recently discussed with the Agency, the Norwalk Water Pollution Control Authority ("WPCA") requests a three-month extension to file its Facility Plan Update and amendment to its September 30, 2022, Sanitary Sewer Collection System Master Plan. The WPCA requests this extension so that it may conduct further flow analysis and document its plan to advance elimination of Outfall 002-1 in an effort to achieve the greatest water quality benefits for the Norwalk River and Long Island Sound. As requested, the extension would shift the submittal date for the Facility Plan Update and Amended Collection System Master Plan to September 30, 2023 (to be filed the next business day, October 2, 2023).

As previously noted in its June 6, 2023 correspondence, the WPCA intends to timely file its 2022-2023 annual report on or before June 30, 2023, in accordance with Section B.6 of the Consent Order.

Should you have any questions, please feel free to contact me at vvaladares@norwalkct.gov or 203-854-7902.

Sincerely,

A handwritten signature in black ink, appearing to read "Vanessa Valadares", with a stylized flourish at the end.

Vanessa Valadares, P.E.
Chief of Operations and Public Works

Copy: Chris Torre, DPW (*via Electronic Mail*)
Ralph Kolb, WPCA (*via Electronic Mail*)

6.D.1

PROFESSIONAL SERVICES TASK ORDER

Task Order Number: 07
Task Order Date: June 6, 2023

Subject to the AGREEMENT FOR ON-CALL ENGINEERING SERVICES BY AND BETWEEN WATER POLLUTION CONTROL AUTHORITY OF THE CITY OF NORWALK AND BROWN AND CALDWELL, (hereinafter referred to as the "Agreement"), WPCA hereby directs ENGINEER to perform the professional engineering services specified in this Task Order in accordance with the Agreement.

1. Project Description:

Project Number: Task Order No. 7
Project Name: Hubbells Lane Sanitary Relief Sewer Design
Description: Assist WPCA with administering the Hubbells Lane Sanitary Relief Sewer Design identified as a Consent Order Recommendation in the 2022 Norwalk Master Plan. Services will include boundary site survey, subsurface utility engineering, and development of design documents through bidding support for a proposed alignment as recommended in the March 2023 Technical Memorandum.

2. Scope of Work:

This project will design approximately 1,100 linear feet of new relief sewer along Smith Street and Hubbells Lane. Based on conceptual analysis, approximately 500 linear feet of 36-inch diameter sewer will be constructed on Hubbells Lane and approximately 600 linear feet of 60-inch diameter sewer will be constructed on Smith Street. Traffic control, particularly at the intersection of Wall Street, Moody's Lane, Park Street and East Avenue, bypassing existing sewer flows for the construction of the new relief sewer, narrow and congested right of way and the potential for interference with existing utilities as well as bedrock, are all concerns for this design. Additionally, the connection into the existing siphon chamber will necessitate some modifications to the junction structure or a new structure. The scope is more fully described herein Exhibit A.

3. Time Schedule:

Engineer shall complete the work required by this Task Order within 12 months of the notice to proceed.

4. Compensation:

Engineer shall be paid for the performance of services described in this Task Order in an amount not to exceed three hundred and ninety thousand (\$390,000) Dollars. Services will be billed on a monthly basis on a percent complete by Task.

5. Special Conditions:

None

6. Amendment: This Task Order amends a previously executed Task Order:

Previous Task Order Number: _____ Previous Task Order Date: _____

ISSUED AND AUTHORIZED BY:

WPCA

By: Ralph L. Zolt

Title: Sr. Environmental Engineer

ACCEPTED AND AGREED TO BY:

ENGINEER

By: E. J. Min

Title: Senior Vice President

6.b.3

PROFESSIONAL SERVICES TASK ORDER

Task Order Number: 07

Exhibit A: Scope of Work

Understanding

The 2022 Norwalk Sanitary Sewer Master Plan identified the Hubbells Lane Sanitary Relief sewer project for design and construction. The existing sanitary sewer system near Wall Street has a history of sewer surcharging. Brown and Caldwell (BC) performed an analysis of the updated collection system hydraulic model and determined that installing a relief sewer from Wall Street to the Moody's Lane Siphon chamber would reduce the hydraulic grade line in the collection system thereby reduce the occurrence of surcharging, according to the Master Plan. This project will progress the recommended alignment from the recent technical memorandum through design and bidding support.

This project will design approximately 1,100 linear feet of new relief sewer along Smith Street and Hubbells Lane. Based on conceptual analysis, approximately 500 linear feet of 36-inch diameter sewer will be constructed on Hubbells Lane and approximately 600 linear feet of 60-inch diameter sewer will be constructed on Smith Street. Traffic control (particularly at the intersection of Wall Street, Moody's Lane, Park Street and East Avenue), bypassing existing sewer flows for the construction of the new relief sewer (in the same location as the existing sewer), narrow and congested right of way and the potential for interference with existing utilities as well as bedrock, are all concerns for this design. Additionally, the connection into the existing siphon chamber will necessitate some modifications to the junction structure. To complete this work six tasks are described in this Scope of Services:

- Task 1 – Project Management
- Task 2 – Preliminary Engineering Report
- Task 3 – Intermediate Design (60%)
- Task 4 – Pre-Final Design (90%)
- Task 5 – Final Design (100%)
- Task 6 – Bidding Support Services

Task 1: Project Management

Project administration and management will include project team coordination, schedule management, scope and budget management, internal quality assurance and quality control procedures, implementation of appropriate health and safety protocols, and preparation of invoices. Specific project work tasks are described below.

Task 1.1. Project Meetings

BC will conduct a project kick-off meeting with key Norwalk personnel. The kick-off meeting will be used to confirm the project goals, objectives, requirements, and success factors. In addition to the project kick-off meeting, five project progress meetings are planned. These progress meetings will be used to review the project status, schedule, budget, and interim design deliverables. The following project meetings are anticipated:

- Project Kick-off
- Draft Preliminary Engineering Report (PER) Review Workshop
- Final PER Review Workshop
- 60% Design Submittal Review Workshop
- 90% Design Submittal Review Workshop

- 100% Design Submittal Review Workshop

Task 1.2. Schedule and Budget Management

BC will develop a project schedule based on the phases of the design and support services. The schedule will be tracked and managed regularly and updated monthly. Along with the project schedule, the project costs will be tracked and managed to deliver the project within the budget. Norwalk will be invoiced monthly.

Task 1.3. Project Documentation

BC will prepare project documentation. This will include project management plans, meeting agendas, meeting notes, and comment tracking logs.

Task 1.4 Public Outreach

BC will prepare project descriptions and schedules for use on Norwalk's website/social media to notify the public of the upcoming work.

Phase 1 – Deliverables

The following deliverables will be provided under this Task:

- PDF copies of meeting agendas
- PDF copies of meeting notes
- Project descriptions and photos to support Public Notification

Task 2: Preliminary Engineering Report

Task 2.1. Data Collection

BC will review available data, which may include original design, record, and as-built documents; previous reports/studies; and operational data. Norwalk will provide BC with all available data and the record drawings for the relief sewer in PDF format.

Task 2.2. Topographic Survey and SUE-A

BC will conduct a topographic survey along Smith Street and Hubbells Lane; between the existing Siphon Junction Structure (intersection of Moody's Lane and Smith Street) and a connection into the existing sanitary sewer at the intersection of Wall Street, Park Street, East Avenue and Hubbells Lane.

The site survey will be conducted in accordance with the following items:

- The survey will be based on the plat of record which refers to the Connecticut State Plane Coordinate System, NAD 83. Coordinate values will be expressed in U.S. survey feet.
- Elevations will be expressed in feet and based on the local Geodetic Control Network which refers to NAVD 88. A Temporary Benchmark (TBM) will be provided.
- Client will provide right of entry to survey area.
- All visible physical features within the survey limits will be shown.
- The underground utilities will be based on a combination of existing Miss Utility markings (coordinated by surveyor), field located structures, and plan information available. The surveyor makes no guarantee that the underground utilities shown will comprise all such utilities in the area, either in service or abandoned. The survey will not warrant that the underground utilities shown will be in their exact location indicated. However, they will be located as accurately as possible from the information available. All underground utilities are to be field verified by others prior to construction. Miss Utility tickets will be utilized for design and survey monument excavation purposes.
- Subsurface Utility Engineering (SUE) Level A will be performed for existing utilities that are located within the proposed alignment to determine exact location and depth. The field data will be incorporated into the development of plan and profile drawings of the proposed relief sewer.
- Visible water valves, hydrants, and meters within the survey limits will be shown.
- Location of accessible sanitary sewer gravity sewer lines, accessible manholes (with rim and invert elevations), and visible cleanouts.

- Location of accessible storm drainage piping and structures (with rim and invert elevations).
- For gravity sewers (storm and sanitary), the next upstream structure will be provided for all piping entering the survey limits.
- Rights-of-Way will be shown based on available highway plans, survey plats, and existing monumentation located in the field.
- Property ownership designations and departing parcel lines will be based on information obtained from the City of Norwalk real estate assessor's office, GIS information, and existing monumentation located in the field.
- Location of visible physical features within the survey limits.
- Location of roadway striping.
- Location of borings by others
- Cross section/spot elevations will be provided at 50' intervals.
- Location of wooded areas and stand-alone trees greater than 6" in diameter.
- FEMA flood designations will be provided.
- If required, title investigation work for problematic Right of Way and/or parcel line designation will be provided as additional services.
- The investigation, delineation and location of wetlands, hazardous waste, and/or other environmental issues will not be performed. No interior pump station survey location information and confined space work will be provided.
- An AutoCAD drawing file of the survey will be provided.

Task 2.3. Geotechnical

Three geotechnical borings were completed along the proposed alignment as part of the conceptual analysis (see Technical Memorandum dated March 2023). The geotechnical report discusses the construction of the pipeline. BC will hire Haley and Aldrich to conduct additional geotechnical design calculations and coordination pending preliminary layouts. An allowance of \$40,000 is included in this proposal for additional calculations and recommendations to address geotechnical conditions and modifications to the existing siphon junction chamber.

Task 2.4 Draft PER.

A draft preliminary engineering report (PER) will document design decisions and advance the design of the new relief sewer to a 30% milestone. The PER will include documentation of design assumptions and calculations. Items that will be included in the PER are as follows:

- List of plan sheets
- Site plan with profiles of the proposed relief sewer
- Proposed sequence of construction
- List of applicable permits
- Construction schedule

Task 2.5. Class 3 Cost Opinion.

A Class 3 cost opinion (-20%/+30%) will be prepared by the engineer under this task.

Note: In accordance with the Association for the Advancement of Cost Engineering International (AACE) criteria, this is a Class 3 estimate. A Class 3 estimate is defined as a Budgetary Estimate. Typically, engineering is from 10 percent to 40 percent complete. Class 3 estimates are generally used to form the basis for budget authorization, appropriation, and/or funding.

Expected accuracy for Class 3 estimates typically range from -20 percent to +30 percent, depending on the technological complexity of the project, appropriate reference information, and the inclusion of an appropriate contingency determination. In unusual circumstances, ranges could exceed those shown.

Task 2.6. Draft & Final PER QA/QC.

Prior to the Draft and Final PER submittal packages, the Engineer will conduct an internal Quality Assurance/Quality Control (QA/QC) review of documents to be submitted to Norwalk.

Task 2.7. Final PER.

The Engineer will finalize the PER and address any comments generated by Norwalk during the review of the Draft PER.

Phase 2 – Deliverables

The following deliverables will be provided under this Task:

- One (1) PDF Copy of the Draft PER
- Four (4) Hard Copies of the Draft PER
- One (1) PDF Copy of the Final PER
- Four (4) Hard Copies of the Final PER
- One (1) PDF Copy of the Class 3 Cost Estimate

Task 3: Intermediate Design (60% Submittal)

This phase of the design is used to create the plan set including the horizontal and vertical alignments of the proposed relief sewer. The following tasks describe the work to be completed during the intermediate design phase of the project.

Task 3.1. Drawing Preparation

The drawings will be prepared in AutoCAD (latest version) and will include detailed requirements of the proposed design as well as details necessary for construction. The Engineer anticipates that the Intermediate Design plan sheets will include 13 sheets with plan and profile sheets at 1" = 30' scale, as follows:

- One (1) Title Sheet
- One (1) General Sheet with Abbreviations and Line Type Key
- One (1) Civil General Notes Sheet
- One (1) Civil Existing Conditions Sheet
- One (1) Civil Dimensional Layout, Utility, and Erosion and Sediment Control Plan Sheet (Proposed Alignment)
- Two (2) Civil Plan and Profile Design Sheet
- Two (2) Civil Detail Sheets (including Erosion and Sediment Control Details)
- Two (2) Structural Sheets with Plan, Details and Notes
- Two (2) Traffic Control Sheets, with Plan, Details and Notes

Task 3.2. Outline of Technical Specifications

The Engineer shall prepare an outline of necessary technical specifications necessary for the proposed relief sewer.

Task 3.3. Class 2 Cost Opinion

A Class 2 cost opinion (-15%/+20%) will be prepared by the engineer under this task.

Note: In accordance with the Association for the Advancement of Cost Engineering International (AACE) criteria, this is a Class 1 estimate. A Class 1 estimate is defined as a Baseline Check Estimate or Final Control Estimate. Typically, engineering is from 50 percent to 100 percent complete. Class 1 Estimates are used to compare against received bids, evaluate change order requests and for construction claim evaluations and dispute resolution.

Expected accuracy for Class 1 estimates typically range from -15 percent to +20 percent, depending on the technological complexity of the project, appropriate reference information, and the inclusion of an appropriate contingency determination. In unusual circumstances, ranges could exceed those shown.

Task 3.4. Agency Review Coordination

Following the Intermediate Design Submittal Workshop with Authority personnel, the Engineer will provide coordination services with the following agencies:

- City of Norwalk
- Existing utilities affected by construction.

Task 3.5. QA/QC Review

Prior to the Intermediate Design submittal package, the Engineer will conduct an internal QA/QC review of materials to be submitted to Norwalk. Quality control review of the design deliverables will be conducted by BC's senior reviewers assigned to the project. Their technical review will check the design definition and that the design meets the goals and objectives set for the project by Norwalk.

Phase 3 – Deliverables

The following deliverables will be provided under this Phase:

- One (1) PDF Copy of the Technical Specification Outline
- One (1) PDF Copy of the Intermediate Design Drawings

Task 4: Pre-Final Design (90% Submittal)

This phase of the design is used to advance the detail of the design and address Authority provided comments from the 60-percent documents. The following tasks describe the work to be completed during the final design phase of the project.

Task 4.1. Drawing Preparation

The drawings will be updated to address any comments generated during the previous submittal and advance the design to 90%.

Task 4.2. Technical Specification Preparation

The Engineer shall prepare the necessary technical specifications and will compile them into a project manual. The front-end documents will also be compiled into the project manual.

Task 4.3. Class 1 Cost Opinion

A Class 1 cost opinion (-10%/15%) will be prepared by the engineer under this task.

Note: In accordance with the Association for the Advancement of Cost Engineering International (AACE) criteria, this is a Class 1 estimate. A Class 1 estimate is defined as a Baseline Check Estimate or Final Control Estimate. Typically, engineering is from 50 percent to 100 percent complete. Class 1 Estimates are used to compare against received bids, evaluate change order requests and for construction claim evaluations and dispute resolution.

Expected accuracy for Class 1 estimates typically range from -10 percent to +15 percent, depending on the technological complexity of the project, appropriate reference information, and the inclusion of an appropriate contingency determination. In unusual circumstances, ranges could exceed those shown.

Task 4.4. QA/QC Review

Prior to the Final Design submittal package, the Engineer will conduct an internal QA/QC review of materials to be submitted to Norwalk. Quality control review of the design deliverables will be conducted by BC's senior reviewers assigned to the project. Their technical review will check the design completeness and coordination across the disciplines. This review will continue to verify the design meets the goals and objectives set for the project by Norwalk.

Phase 4 – Deliverables

The following deliverables will be provided under this Phase:

- One (1) PDF Copy of the Comment Log
- One (1) PDF Copy of the Cost Estimate

- One (1) PDF Copy of the Technical Specification Outline
- One (1) PDF Copy of the 90% Design Drawings

Task 5: Final Design (100% Submittal)

This phase of the design is used to advance the detail of the design and address Authority provided comments from the 90-percent documents. The following tasks describe the work to be completed during the final design phase of the project.

Task 5.1. Drawing Preparation

The drawings will be updated to address any comments generated during the previous submittal and advance the design to 100%.

Task 5.2. Technical Specification Preparation

The Engineer shall refine the necessary technical specifications from the 90% in preparation for bidding.

Task 5.3. Class 1 Cost Opinion

A Class 1 cost opinion (-10%/15%) will be prepared by the engineer under this task.

Note: In accordance with the Association for the Advancement of Cost Engineering International (AACE) criteria, this is a Class 1 estimate. A Class 1 estimate is defined as a Baseline Check Estimate or Final Control Estimate. Typically, engineering is from 50 percent to 100 percent complete. Class 1 Estimates are used to compare against received bids, evaluate change order requests and for construction claim evaluations and dispute resolution.

Expected accuracy for Class 1 estimates typically range from -10 percent to +15 percent, depending on the technological complexity of the project, appropriate reference information, and the inclusion of an appropriate contingency determination. In unusual circumstances, ranges could exceed those shown.

Task 5.4. QA/QC Review

Prior to the Final Design submittal package, the Engineer will conduct an internal QA/QC review of materials to be submitted to Norwalk. Quality control review of the design deliverables will be conducted by BC's senior reviewers assigned to the project. Their technical review will check the design completeness and coordination across the disciplines. This review will continue to verify the design meets the goals and objectives set for the project by Norwalk.

Phase 5 – Deliverables

The following deliverables will be provided under this Phase:

- One (1) PDF Copy of the Comment Log
- One (1) PDF Copy of the Cost Estimate
- One (1) PDF Copy of the Bid Set Project Manual
- One (1) PDF Copy of the Bid Set Design Drawings
- One (1) Full Size Hard Copy Set of the Design Drawings (22"x34")
- Three (3) Half Size Hard Copies Sets of Design Drawings (11"x17")
- Three (3) Hard Copies of the Project Manual

Task 6: Bidding Support Services

BC will provide bidding support services to assist Norwalk in seeking qualified bids for construction of the relief sewer. This will include the following services, culminating in the selection of a single Prime Contractor for the construction of the project:

Task 6.1. Pre-Bid Conference Support

BC will assist Norwalk in planning and conducting one pre-bid conference. BC will assist Norwalk in drafting the pre-bid conference agenda and content and generate meeting minutes to document the results of the pre-bid

conference. BC will record the questions and requests for additional information and coordinate with Norwalk for developing responses and additional information.

Task 6.2. Information Request Support and Addenda Development

BC will respond to bidders' technical questions and requests for additional information. This may include providing technical interpretation of the Bid Documents. BC will provide responses to technical questions for inclusion in addenda; up to three Addenda are included in the cost proposal. The addenda will be prepared and distributed by Norwalk. BC will not respond to any questions received directly from Bidders. Per the instructions to bidders to be included in the bid documents, these questions will be referred to Norwalk.

Task 6.3. Bid Evaluation Support

BC will assist Norwalk with review and evaluation of all bids received for each project. This will include verification of the financial and performance history documentation submitted by the lowest responsive, responsible bidder and second lowest responsive, responsible bidder. After this review and verification process, BC will prepare a letter of bid review and evaluation and include recommendation for award of the contract for construction or other action as may be appropriate. Norwalk will make the final acceptance or rejection of all bids, contractor selection, and award of the contract.

Task 6.4. Development of Conformed Contract Documents

At the conclusion of the Bidding Period, BC will develop conformed contract documents that incorporate revisions made as a result of addenda. An electronic copy and seven (7) hard copies (half sized sheets) of the conformed contract documents will be provided to the City.



**Norwalk Water
Pollution Control
Authority**

www.wpcanorwalk.org

June 29, 2023

VIA ELECTRONIC MAIL

Ms. Ann Straut
Sanitary Engineer 3
Department of Energy and Environmental Protection
Bureau of Water Protection and Land Reuse
Water Planning & Management Division
79 Elm Street
Hartford, CT 06106-5127

Subject: City of Norwalk, CT, Consent Order (# COWRMU22001)
2023 Annual Progress Report

Dear Ms. Straut:

Please find attached for your records a copy of the 2023 annual progress report that is due on or before June 30th annually in accordance with Section B.6. of the above referenced Consent Order.

Should you have any questions, please feel free to contact me at 203-854-3242.

Sincerely,

Ralph K. Kolb, P.E.
Sr. Environmental Engineer

Copy: Vanessa Valadares, P.E., DPW (*via Electronic Mail*)
Chris Torre, DPW (*via Electronic Mail*)
WPCA Board of Directors
Matthew Brown, Veolia (*via Electronic Mail*)

6.d.1



June 29, 2023

Ms. Ann Straut
Sanitary Engineer 3
Department of Energy and Environment Protection
Bureau of Water Protection and Land Reuse
Water Planning and Management Division
79 Elm Street
Hartford, CT 06106-5127

Subject: City of Norwalk, CT, Consent Order (#COWRMU22001)
2023 Annual Progress Report

Dear Ms. Straut,

In accordance with Paragraph B.6 of the above referenced Consent Order between the State of Connecticut and City of Norwalk (the "City") dated May 5, 2022 (the "Consent Order"), this Progress Report documents the actions taken by the City pursuant to the Consent Order since its 2022 Annual Progress Report filed June 30, 2022.

Progress Report June 2023

In response to the requirements of Paragraph B.1

As specified in Paragraph B.1 of the Consent Order, the City of Norwalk's Water Pollution Control Authority ("WPCA") retained Brown and Caldwell as the primary on-call collection system consultant and Woodard and Curran as the secondary on-call collection system consultant to complete the Sanitary Sewer Collection System Master Plan update (the "Master Plan").

In response to the requirements of Paragraph B.2

As specified in Paragraph B.2 of the Consent Order, the WPCA retained Arcadis US, Inc. to complete the Wastewater Treatment Plant Facility Plan update (the "Facility Plan Update").

In response to the requirements of Paragraph B.3

In accordance with Paragraph B.3, Brown and Caldwell prepared the Master Plan, which the City submitted to DEEP on September 30, 2022. The Master Plan describes and evaluates a range of viable and cost-effective measures to (1) remove excess flows (such as infiltration/inflow) from the wastewater collection system, and (2) eliminate the Ann Street Siphon Emergency Overflow from the wastewater collection system.

As part of the Master Plan update, Brown and Caldwell developed and calibrated a hydraulic model of Norwalk's collection system. The model includes both the east and west side interceptors and their major tributary sewers, Moody's Lane and Ann Street siphons, and all major pump stations. The model's downstream boundary is the Norwalk Wastewater Pollution Control Facility ("WPCF") influent pumping station which includes the wet well storage and pumping operations at the WPCF. The collection system model was developed and is being utilized for analysis of existing conditions, characterization of system performance, and to support modeling of potential sewer improvement alternatives and future conditions. On June 20, 2023, the WPCA informed DEEP of a proposed revision to the Master Plan's flow calculations for Outfall 002-1 based on an update to Brown and Caldwell's hydraulic model. The WPCA notified DEEP of its intent to file a revision to update ES-4, ES-5, and Table ES-1 in the Master Plan by October 2, 2023.

With the help of the collection system model, the Master Plan update evaluates a range of cost-effective measures to reduce excess flows, such as inflow and infiltration, from entering the collection system. Reduced excess flows includes both the disconnection of stormwater catch basins that are directly connected to the wastewater collection system and targeted reduction of rainfall derived infiltration and inflow (RDII).

The City has made substantial progress toward meeting its goals as set forth in the Master Plan. To date, the WPCA has engaged in the following to address collection system projects and reduce excess infiltration and inflow into the wastewater collection system:

- The WPCA continues to contract with Green Mountain Pipeline Services to implement cured-in-place pipe lining (CIPPL) throughout the City to reduce inflow and infiltration to the wastewater collection system.
- The WPCA has commenced work on its Catch Basin Disconnect Program.
 - In May 2023, the WPCA signed a design task order launching its Catch Basin Disconnect Program.
 - The WPCA is currently collecting data and evaluating the feasibility and design for the catch basin disconnect locations proposed in the Master Plan.
- In addition to the Master Plan's Catch Basin Disconnect Program, the City and WPCA continue to diligently identify and address new and previously unknown sources of inflow and infiltration.
 - Since the start of 2023, the City has disconnected five (5) catch basins from the sanitary sewer system that will further reduce inflow into the wastewater collection system.

- In May 2023, the WPCA's consultant, Brown and Caldwell, issued a preliminary design memorandum for the Hubbell's Lane Relief Sewer project and signed an associated task order.
- The City's Dreamy Hollow Area – storm and sanitary sewer infrastructure improvement project is ongoing. The project, in addition to other benefits, will prevent infiltration into the wastewater collection system from storm-impacted areas.
- In July 2023, the WPCA will issue a bid for a sewer rehabilitation contract in the low lying and coastal areas of Sammis Street and Bell Island pump station sewer sheds in the southwest part of Norwalk. The project, in addition to other benefits, will prevent infiltration into the wastewater collection system from storm-impacted and tidal areas.

In response to the requirements of Paragraph B.4

In accordance with Paragraph B.4 the WPCA retained Arcadis to prepare a WPCF Facility Plan Update. The purpose of the document is to provide an update to the WPCA's 2009 Facility Plan to both satisfy the requirements of the Consent Order and provide a roadmap for future WPCF improvements.

On July 11, 2022, DEEP approved a Task Order and Scope of Work Proposal for the Facility Plan Update (Task Order 10), which the WPCA and Arcadis signed on July 12, 2022. Following finalization of the Task Order, the WPCA hosted a series of collaborative workshops with Arcadis and Veolia, the WPCF's contract operator, to analyze key focus areas to be included in the Facility Plan Update and evaluate a range of viable and cost-effective measures to provide Outfall 002-1 with primary treatment or its equivalent or eliminate Outfall 002-1. These collaborative meetings were held September 21, October 19, October 26, and December 1, 2022, and February 14, and April 13, 2023. The WPCA Board remained actively involved throughout the planning process and participated in the December 1, 2022, Facility Plan Workshop.

During these collaborative workshops, multiple wet weather treatment technologies were identified for further analysis and evaluation to provide Outfall 002-1 with primary treatment or its equivalent. To further enhance these discussions and its analysis of viable and cost-effective alternatives, the WPCA visited the Bridgeport West Side WPCF on April 11, 2023, to observe its wet weather pilot program. The WPCA also visited the Waterbury WPCF on May 16, 2023, to view its cloth filter technology. In addition to furthering a comprehensive analysis of wet weather treatment alternatives, on March 21 and April 13, 2023, the WPCA also held workshops to discuss other Facility improvements not subject to the Consent Order, including enhancements to the aeration system and final settling tanks.



On May 2, 2023, Arcadis circulated an initial draft of the Facility Plan Update. Throughout May and June, the WPCA and Arcadis continued to collaboratively work together to finalize the Facility Plan Update.

In addition to furthering its analysis of viable and cost-effective measures to provide Outfall 002-1 with primary treatment or its equivalent, the WPCA continues to evaluate its options for advancing elimination of Outfall 002-1. On June 20, 2023, the WPCA met with DEEP and EPA to discuss a viable path forward, including the need for further flow analysis and documentation of a plan to advance elimination of Outfall 002-1. In accordance with this discussion, the WPCA submitted an extension request to file its Facility Plan Update on October 2, 2023. The City and WPCA believe the requested extension will provide them with time necessary to determine the strategy that will have the greatest water quality benefits for the Norwalk River and Long Island Sound.

In response to the requirements of Paragraph B.6

In accordance with Paragraph B.6, this Progress Report summarizes all actions required by this Consent Order and is submitted on or before the last day of June 2023.

Certification of Documents

The following certification statement is included pursuant to Paragraph B.11 of the Consent Order:

I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, that the submitted information is true, accurate and complete to the best of the knowledge and belief. I understand that any false statement made in the submitted information may be punishable as a criminal offense under § 53a-157b of the Connecticut General Statutes and any other applicable law.

Ralph K. Kolb

Signature

June 29, 2023

Date

Ralph K. Kolb, P.E.

Name

Sr. Environmental Engineer

Title