



REGULAR MEETING OF THE
GREATER NEW HAVEN WATER POLLUTION CONTROL AUTHORITY
BOARD OF DIRECTORS
WEDNESDAY, NOVEMBER 10, 2021 6:00 P.M.
260 EAST STREET
NEW HAVEN, CONNECTICUT

AGENDA

1. Approval of minutes of October 13, 2021 – Regular Meeting.
2. Public participation relating to agenda items.
3. Consideration and approval of a resolution determining the Schedule of Regular Meetings for 2022.
4. Consideration and approval of a resolution appropriating \$26,700,000 for engineering, design, and construction of sewer separation improvements to the Yale Campus Trumbull Street area separation phase two and Orchard Street area and authorizing the issuance of \$26,700,000 Clean Water Fund obligations of the Authority under the State of Connecticut Clean Water Fund program secured solely by revenues of the sewerage system and authorizing the Authority to enter into grant and loan agreements.
5. Consideration and approval of a resolution approving a change order to increase the not-to-exceed amount of the agreement with National Water Main Cleaning Company for CIPP lining rehabilitation in Hamden by \$260,000, for a new not-to-exceed amount of \$1,166,505.82.
6. Executive summary and department updates and presentations.
7. Consideration and approval, as necessary, of any other new business of the Authority.
8. Call to the public.
9. Adjournment.

3. Consideration and approval of a resolution determining the Schedule of Regular Meetings for 2022.

RESOLVED: That, pursuant to Section 1-225(b) of the General Statutes of Connecticut and Section 2.10 of the Bylaws, the Schedule of Regular Meetings for 2022, which is attached hereto as the Exhibit to Agenda Item #3, is hereby approved.



Greater New Haven Water Pollution Control Authority

260 East Street New Haven, CT 06511 203 466 5280 p 203 772 1586 f www.gnhwpca.com

THE GREATER NEW HAVEN WATER POLLUTION CONTROL AUTHORITY SCHEDULE OF REGULAR MEETINGS FOR 2022

The Greater New Haven Water Pollution Control Authority will hold its Regular Monthly Meetings on the 2nd Wednesday of the month, at 6:00 PM, at the Administrative Offices, 260 East Street, New Haven Connecticut.

January 12, 2022

February 9, 2022

March 9, 2022

April 13, 2022

May 11, 2022

June 8, 2022

July 13, 2022

August 10, 2022

September 14, 2022

October 12, 2022

November 9, 2022

December 14, 2022

4. Consideration and approval of a resolution appropriating \$26,700,000 for engineering, design, and construction of sewer separation improvements to the Yale Campus Trumbull Street area separation phase two and Orchard Street area and authorizing the issuance of \$26,700,000 Clean Water Fund obligations of the Authority under the State of Connecticut Clean Water Fund program secured solely by revenues of the sewerage system and authorizing the Authority to enter into grant and loan agreements.

RESOLVED: That the resolution, attached hereto as the Exhibit to Agenda Item #4, appropriating \$26,700,000 for engineering, design, and construction of sewer separation improvements to the Yale Campus Trumbull Street area separation phase two and Orchard Street area and authorizing the issuance of \$26,700,000 Clean Water Fund obligations of the Authority under the State of Connecticut Clean Water Fund program secured solely by revenues of the sewerage system and authorizing the Authority to enter into grant and loan agreements, is hereby approved.



Greater New Haven Water Pollution Control Authority

260 East Street New Haven, CT 06511
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MEMORANDUM

DATE: November 1, 2021
TO: Sidney J. Holbrook
FROM: Thomas Sgroi, PE
Director of Engineering
RE: **Recommendation to execute a CWF Grant/Loan Agreement with the CT DEEP for Sewer Separation Projects**

Sid:

I request that the above-mentioned recommendation be added to the November 10, 2021 Board Agenda to apply for CT DEEP Clean Water Funds.

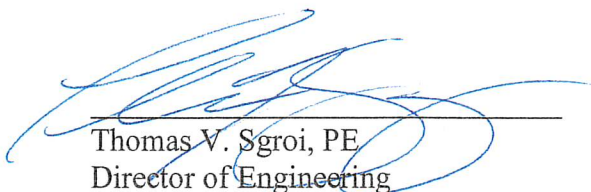
The Engineering Department requests approval of a \$26,700,000 Clean Water Fund Grant/Loan obligation under the CT Department of Energy and Environmental Protection Clean Water Fund program for the Design, Construction, and Construction Management for the following two Sewer Separation projects:

- CWF 2012-04 – Yale Campus Trumbull Street Area Separation Phase 2
- CWF 2019-05 – Orchard Street Area Sewer Separation Project

These projects are consistent with the goals of the Authority's approved City of New Haven Long Term Control Plan. The application will be submitted to the DEEP Clean Water Fund 50% Grant / 50% loan Program

The project is DEEP Clean Water Fund Eligible as follows:

- DEEP CWF CSO 50/50 Grant/Loan (Loan 40% City of New Haven Share)



Thomas V. Sgroi, PE
Director of Engineering

ccopy: Gabe Varca, Lou Criscuolo, Gary Zrelak

CONSTRUCTION NOTIFICATION WORK IN YOUR NEIGHBORHOOD



PROJECT CWF 2012-04: YALE CAMPUS TRUMBULL STREET AREA SEWER SEPARATION PHASE 2

PROJECT AREA: NEW HAVEN - WARDS 7,9,21, AND 22

PROJECT OVERVIEW

As part of the implementation of the City of New Haven Long Term Control Plan, the second phase of the Yale Campus Trumbull Street Area Sewer Separation will include a combination of traditional gray infrastructure and green infrastructure. This will reduce the flow of stormwater into the combined sewer system, allowing for more flow to reach the treatment plant and will reduce overflows to the Mill River.

BENEFITS

- Reduction of CSO events to the Mill River from Regulator 011.

IMPACTS

- Daytime construction is anticipated with lane reductions and occasional roadway closures.
- Signs will be erected to maintain safety of residents and workers.
- Traffic will be guided by police and/or flagman as per City/State requirements.

TIMING AND COORDINATION

Construction Start: Spring 2022

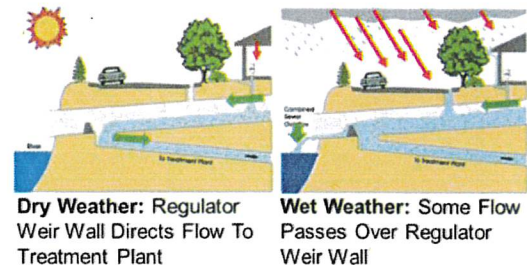
Duration: Construction is expected continue into 2024

Schedule: Mon-Fri from 7 AM to 6 PM. There may be limited Weekend or Night Work depending on final permitting requirements.

**Due to dynamics of construction schedule, weather and other factors, dates and times are subject to change.*

What Does A CSO Regulator Do?

Combined Sewer Overflow (CSO) Diagram



FOR MORE INFORMATION

Contact the Engineering Department
at: 203-466-5280

engineering@gnhwpc.com

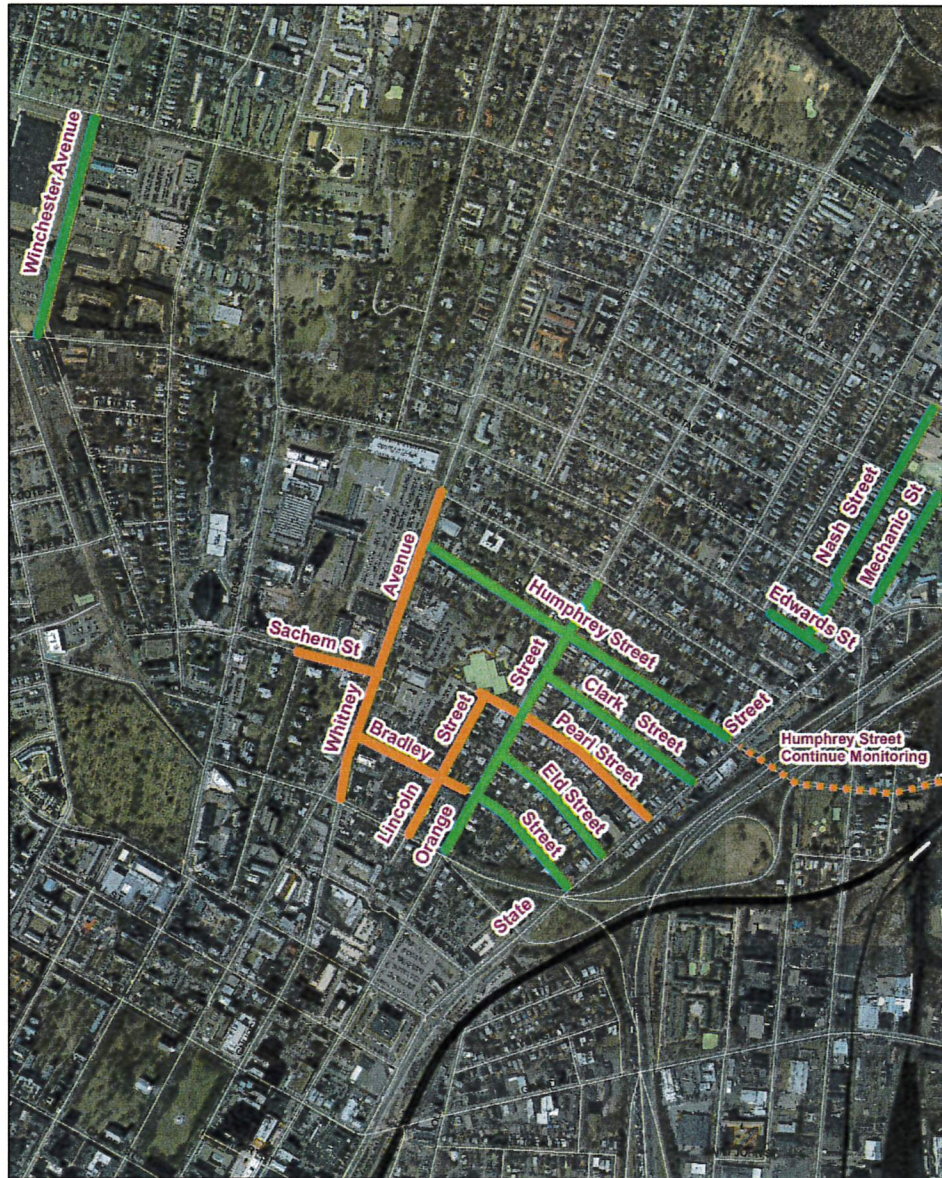
or, visit the GNHWPCA website at

www.gnhwpc.com

Sewer Emergencies (24/7) Call: 203-466-5260

CWF 2012-04 YALE CAMPUS TRUMBULL STREET AREA SEWER SEPARATION PHASE 2
PROJECT WORK LOCATIONS

	Type of Work	Project Area Location (City of New Haven)	Schedule	Status	Wards
1	Storm Piping	Sachem St, Whitney Av, Bradley St, Lincoln St, & Pearl St	2022 to 2024	Under Design	7 / 21 / 22
2	Infiltrating Basins and/or Bioswales	Orange St, Bradley St, Eld St, Clark St, Humphrey St, Winchester Av, Nash St, Mechanic St & Edwards St	2022 to 2024	Under Design	7 / 9 / 21



Yale Campus Trumbull Street Area - Sewer Separation Phase 2

Proposed Pipeline Construction Area -

Proposed Green Infrastructure Area -



February 2020



CONSTRUCTION NOTIFICATION WORK IN YOUR NEIGHBORHOOD



PROJECT CWF 2019-05: ORCHARD STREET AREA SEWER SEPARATION

PROJECT AREA: NEW HAVEN - WARD 23

PROJECT OVERVIEW

As part of the implementation of the City of New Haven Long Term Control Plan, storm drains in the Kensington Street area, constructed in 1972, will be extended south along Orchard Street to connect to piping in The Rev. Dr. Martin Luther King Jr. Boulevard. This project is being coordinated with improvements being constructed at the St. Raphael Campus of Yale New Haven Hospital to minimize disruption to the neighborhoods.

BENEFITS

- The Project will serve to separate over 40 acres of urban landscape thus reducing CSO events to the West River from Regulator 005.

IMPACTS

- Daytime construction is anticipated with lane reductions and occasional roadway closures.
- Signs will be erected to maintain safety of residents and workers.
- Traffic will be guided by police and/or flagman as per City/State requirements.

TIMING AND COORDINATION

Construction Start: Spring 2022

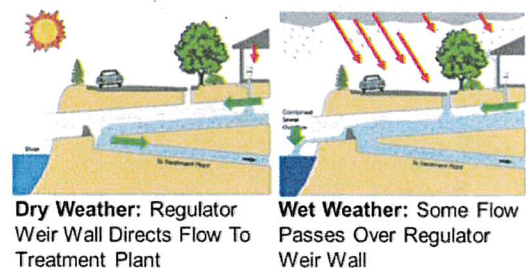
Duration: Construction is expected to Continue into 2025.

Schedule: Mon-Fri from 7 AM to 6 PM. There may be limited Weekend or Night Work depending on final permitting requirements.

**Due to dynamics of construction schedule, weather and other factors, dates and times are subject to change.*

What Does A CSO Regulator Do?

Combined Sewer Overflow (CSO) Diagram



FOR MORE INFORMATION

Contact the Engineering Department
at: 203-466-5280

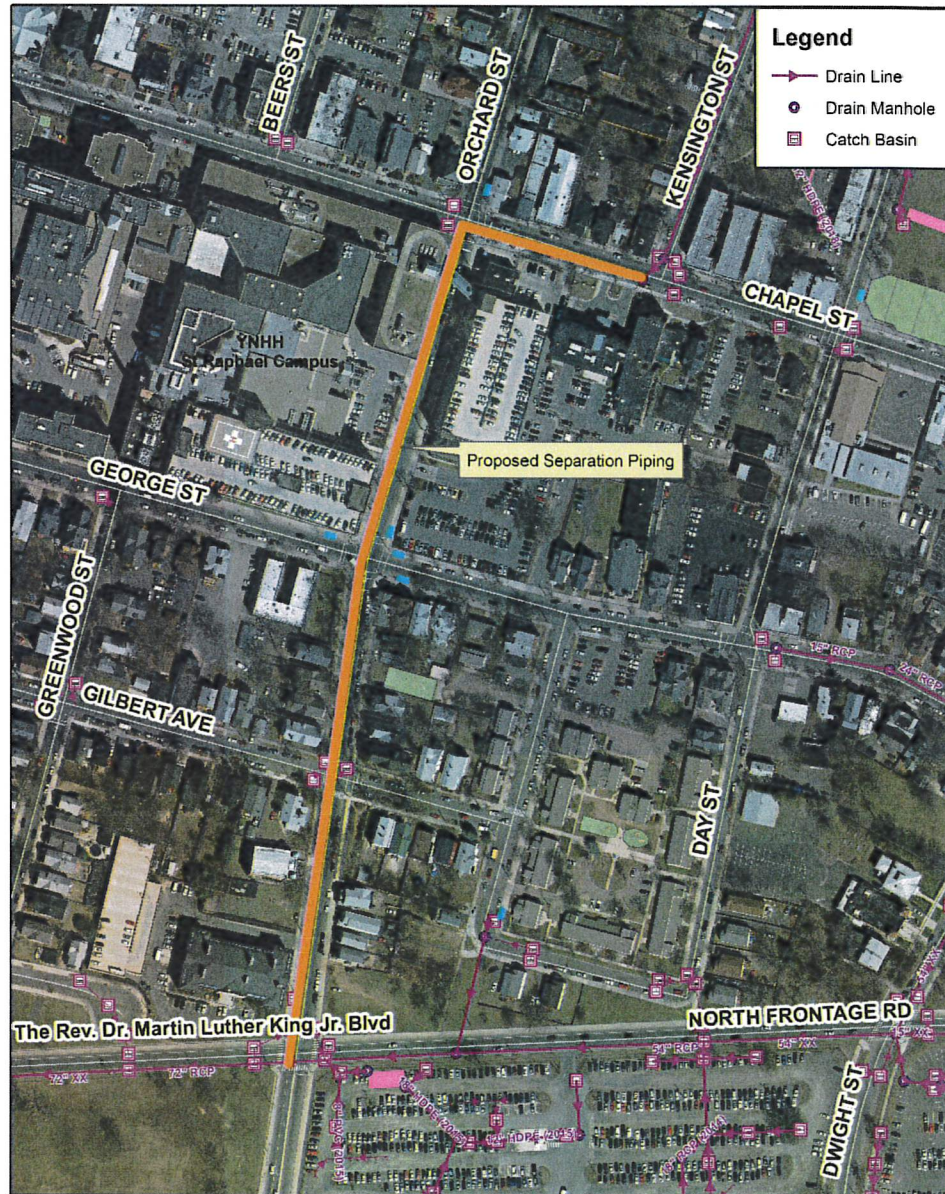
engineering@gnhwPCA.com

or, visit the GNHWPCA website at
www.gnhwPCA.com

Sewer Emergencies (24/7) Call: 203-466-5260

CWF 2019-05 ORCHARD STREET AREA SEWER SEPARATION

	Name	Project Area Location (City of New Haven)	Schedule	Status	Wards
1	Construction	Chapel St between Kensington St and Orchard St; Orchard St from Chapel St to The Rev. Dr. Martin Luther King Jr. Blvd.	2022 to 2025	Under Design	23



Disclaimer:
Sewer mapping data is for planning purposes only. Although compiled from various plans, there is no guarantee that the data is free from errors and omissions.

CWF 2019-05 Orchard Street Area Sewer Separation New Haven, CT

February 2020

RESOLUTION APPROPRIATING \$26,700,000 FOR ENGINEERING, DESIGN, AND CONSTRUCTION OF SEWER SEPARATION IMPROVEMENTS TO THE YALE CAMPUS TRUMBULL STREET AREA SEPARATION PHASE TWO AND ORCHARD STREET AREA AND AUTHORIZING THE ISSUANCE OF \$26,700,000 CLEAN WATER FUND OBLIGATIONS OF THE AUTHORITY UNDER THE STATE OF CONNECTICUT CLEAN WATER FUND PROGRAM SECURED SOLELY BY REVENUES OF THE SEWERAGE SYSTEM AND AUTHORIZING THE AUTHORITY TO ENTER INTO GRANT AND LOAN AGREEMENTS

BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE GREATER NEW HAVEN WATER POLLUTION CONTROL AUTHORITY:

Section 1. Under and pursuant to the provisions of the Bylaws of the Greater New Haven Water Pollution Control Authority (the "Authority") and all other general or special laws thereto enabling, there be and hereby is approved the appropriation of \$26,700,000 for sewer separation improvement projects, including, but not limited to, the engineering, design, and construction, as applicable, of (i) improvements to the Yale Campus Trumbull Street Area Separation Phase Two, CWF 2012-04, all as more fully set forth in the Yale Campus/Trumbull Street Area Phase Two Sewer Separation Study dated June 30, 2011 as amended March 2, 2012 prepared by URS as the same may be amended from time to time; and (ii) improvements to the Orchard Street Area, CWF 2019-05 all as more fully set forth in the Preliminary Design Report, Orchard Street Sewer Separation Project, CWF 2019-05, dated September 2019 prepared by the Authority's Engineering Department as the same may be amended from time to time, and for engineering, administrative, printing, legal and financing costs related thereto, including but not limited to, trustee fees, credit enhancement and bond funded reserve requirements, as applicable, said appropriation to be inclusive of any and all State and Federal grants-in-aid thereof (collectively, the "Project").

Section 2. To meet said appropriation, not exceeding \$26,700,000, interim funding obligations and project loan obligations of the Authority may be issued (hereinafter "Clean Water Fund Obligations") evidencing an obligation to repay any portion of the costs of the Project determined by the State of Connecticut Department of Energy and Environmental Protection to be eligible for funding under Section 22a-475 et seq. of the Connecticut General Statutes, as the same may be amended from time to time (the "Clean Water Fund Program"). The Executive Director is authorized in the name and on behalf of the Authority to apply for and accept any and all Federal and State loans and/or grants-in-aid of the Project and is further authorized to expend said funds in accordance with the terms hereof and in connection therewith to contract in the name of the Authority with engineers, contractors and others. The Executive Director is hereby authorized to execute and deliver to the State in the name of and on behalf of the Authority Project Loan and Project Grant Agreements under the Clean Water Fund Program. The Authority may issue Clean Water Fund Obligations in one or more series and in such denominations as the Executive Director and the Treasurer shall determine. The Executive Director and the Treasurer are hereby authorized

to determine the amount, date, maturity, interest rate, form and other details and particulars of the Clean Water Fund Obligations subject to the provisions of the Clean Water Fund Program, and to execute and deliver the same.

Section 3. The payment of the principal and interest on the Clean Water Fund Obligations shall be secured solely by revenues derived from the operation of the sewerage system, including without limitation use charges, connection charges, benefit assessments or any combination thereof, investment income derived therefrom, or other property of the sewerage system or revenue derived from the operation of the sewerage system, subject to the provisions of the Clean Water Fund Program. Each of the Clean Water Fund Obligations shall recite to the effect that every requirement of law relating to its issue has been duly complied with, that such Clean Water Fund Obligation is within every debt and other limit prescribed by law, that such Clean Water Fund Obligation does not constitute a general obligation of the Authority for which its full faith and credit is pledged, and that such Clean Water Fund Obligation is payable solely from revenues, assessments, charges or property of the sewerage system specifically pledged thereto and therefor.

Section 4. All or any portion of the Clean Water Fund Obligations may be issued pursuant to an indenture of trust, (hereafter the "Indenture") which Indenture may contain provisions customarily included in revenue bond financings, including, without limitation, identification and pledge of revenues securing the Clean Water Fund Obligations, providing for the form of the Clean Water Fund Obligations, conditions precedent to the issuance of Clean Water Fund Obligations and additional Clean Water Fund Obligations, the establishment and maintenance of funds and the use and disposition thereof, including but not limited to accounts for the payment of debt service, the payment of operating expenses, debt service reserve and other reserve accounts, providing for the issuance of subordinated indebtedness, defining an event of default and providing for the allocation of revenues in such event, credit enhancement, providing for a pledge and allocation of sewer revenues to pay for obligations issued by third parties, and provisions of a similar and different nature and which are necessary, convenient or desirable in connection with the issuance of the Clean Water Fund Obligations and their marketability. The Executive Director and the Treasurer are authorized to execute and deliver the Indenture and their signatures shall evidence their approval on behalf of the Authority of all such provisions contained therein pursuant to this section and shall be effective to the Authority in accordance therewith.

Section 5. The Executive Director and the Treasurer are hereby authorized and directed to execute and deliver any and all additional instruments, agreements, documents and certificates in connection with the issuance and sale of the Clean Water Fund Obligations as shall be necessary or appropriate to consummate the transactions contemplated by this resolution and the aforementioned documents.

Section 6. The Authority hereby expresses its official intent pursuant to §1.150-2 of the Federal Income Tax Regulations, Title 26 (the "Regulations"), to reimburse expenditures paid sixty days prior to and anytime after the date of passage of this resolution in the maximum amount and for the Project with the proceeds of bonds, or other obligations authorized to be issued by the

Authority. The bonds or other obligations authorized to be issued shall be issued to reimburse such expenditures not later than eighteen months after the later of the date of the expenditure or the substantial completion of the Project, or such later date the Regulations may authorize. The Authority hereby certifies that the intention to reimburse as expressed herein is based upon its reasonable expectations as of this date. The Treasurer or his designee is authorized to pay Project expenses in accordance herewith pending the issuance of reimbursement bonds, and to amend this declaration.

Section 7. This resolution shall be effective upon its approval by the Board of Directors of the Authority.

5. Consideration and approval of a resolution approving a change order to increase the not-to-exceed amount of the agreement with National Water Main Cleaning Company for CIPP lining rehabilitation in Hamden by \$260,000, for a new not-to-exceed amount of \$1,166,505.82.

RESOLVED: That the change order to increase the not-to-exceed amount of the agreement with National Water Main Cleaning Company for CIPP lining rehabilitation in Hamden by \$260,000, for a new not-to-exceed amount of \$1,166,505.82, as further described in the Exhibit to Agenda Item #5, is hereby approved, and the Executive Director, Sidney J. Holbrook, be and hereby is authorized and empowered, for and on behalf of the Authority to negotiate, execute and deliver such change order and any and all reasonable and necessary documents in furtherance thereof.



MEMORANDUM

DATE: November 1, 2021

TO: Sidney J. Holbrook

FROM: Thomas Sgroi, PE
Director of Engineering

RE: **Contract Change Order**
Project No. SSR 2021-01
Lower Mill River Interceptor Rehab – Phase 1
National Water Main Cleaning Company

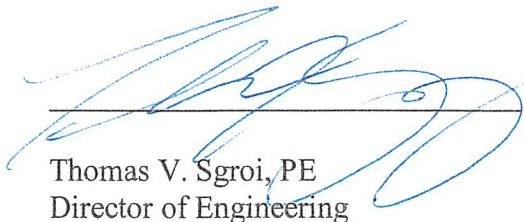
Sid:

I request that the above-mentioned recommendation be added to the November 10, 2021 Board Agenda for resolution.

The purpose of this change order is to perform supplemental work to facilitate lining of the approximately 2700 feet of 42-inch pipe along the Lower Mill River Interceptor. The Authority requested that the contractor provide pricing to demo and rebuild 7 manholes to accommodate the liner and temporary bypass connection including trenching and buried bypass piping across Whitney Avenue. Rebuilding of the manholes and bypass trenching was beyond the specified scope of work. Work under this change order also includes specialize retrofitting of construction equipment with Food Grade Hydraulic Oils to meet requires of the RWA due to the proximity to the Whitney reservoir.

Bids were opened on March 31, 2021 and the Board of Directors approved the contract on April 14, 2021 for an amount not to exceed \$906,505.82 This change order will add \$260,000 to a revised not to exceed of \$1,166,505.82

This revised project cost is consistent with and budgeted from the Authority's FY 2020-2021 Capital Dedicated Infrastructure Renewal Funds adopted May 12, 2020.



Thomas V. Sgroi, PE
Director of Engineering

ecopy: Gabe Varca
Gary Zrelak
Lou Criscuolo
Ricardo Ceballos
Luigi DiMonaco