



The Metropolitan District
water supply · environmental services · geographic information

**BUREAU OF PUBLIC WORKS
REGULAR MEETING
WEDNESDAY, NOVEMBER 8, 2023
4:00 PM**

Location

Board Room
District Headquarters
555 Main Street, Hartford

Dial in #: (415)-655-0001
Access Code: 2306 702 2354 #

[Meeting Video Link](#)

Commissioners

Adil	Hoffman (C)
Avedisian	Johnson
Bazzano	Lester
Bush	Magnan
Currey	Pane
DiBella (Ex-Officio)	Patel
Drake	Salemi
Gale	Steuber
Gentile	Taylor
Healy	Torres (VC)
	Woulfe

Quorum: 11

1. CALL TO ORDER
2. PUBLIC COMMENTS RELATIVE TO AGENDA ITEMS
3. APPROVAL OF MEETING MINUTES OF AUGUST 30, 2023
4. CONSIDERATION AND POTENTIAL ACTION RE: 2024 DISTRICT SEWER USER CHARGE RATES AND OTHER SEWER CHARGES
5. DISCUSSION RE: MUNICIPAL SEPARATED STORM SEWER SYSTEMS (MS4) IMPACT ANALYSIS AND POTENTIAL REGIONAL STORMWATER AUTHORITY
6. OPPORTUNITY FOR GENERAL PUBLIC COMMENTS
7. COMMISSIONER REQUESTS FOR FUTURE AGENDA ITEMS
8. ADJOURNMENT

FISCAL YEAR 2024 - REVISIONS TO DISTRICT SEWER USER CHARGE RATES AND OTHER SEWER CHARGES

To: Bureau of Public Works for consideration on November 8, 2023

In accordance with Section S12j of the District's Ordinances, sewer use unit charge rates shall be determined annually in conjunction with adoption of the District Budget. The 2024 budget in support of sewer operations calls for a sewer user charge rate to remain unchanged at \$5.90 per ccf or 0.0% change effective January 1, 2024.

Additionally, in support of the 2024 budget and in accordance with Section S12l of the District's Ordinances, the monthly sewer customer service charge per connection will remain at \$9.00 or 0.0% change effective January 1, 2024.

There will be an Administrative Review Fee for work performed by the Utility Services department, Engineering, Real Estate, Environment, Health & Safety, and others related to customer requests. The Administrative Review Fee includes, but is not limited to, the following individual services: availability and capacity analysis, assessment calculation, permit applications for non-domestic sewage wastewater discharges (including, but not limited to, individual permits, Significant Industrial Users, Categorical Industrial User Wastewater to a POTW, Food Service Establishment Wastewater, Groundwater Remediation Wastewater, Miscellaneous Industrial User (MIU) Wastewater, Vehicle Maintenance Wastewater), encroachment permits, abandonment of infrastructure, Engineering/Environmental surveys and documentation requests; this fee will be \$670.

The Annual Wastewater Discharge Compliance Fee of \$150 for all permitted wastewater discharges categorized as non-domestic sewage discharges, including but limited to, individual permits, Significant Industrial Users, Categorical Industrial User Wastewater to a POTW, Food Service Establishment Wastewater, Groundwater Remediation Wastewater, Miscellaneous Discharges of Sewer Compatible (MISC) Wastewater, Vehicle Maintenance Wastewater will be split into 12 monthly increments at a billing rate of \$12.50. The charge is related to costs associated with annual administration and review of discharge monitoring reports, verification of discharges and inventorying and management of customer data.

Following the cost trend for the sewer user charge rate, it is recommended the BOD and COD rates remain unchanged at \$0.70 per pound or effective January 1, 2024. In addition, the suspended solids strength charge will also remain unchanged at \$0.58 per pound effective January 1, 2024. These unit charges, which apply to high flow users, low flow/high strength users and non-municipal tax-exempt users, are for the following:

Liquid flow charge rate based on sewer flow in hundreds of cubic feet (CCF).

1. BOD (biochemical oxygen demand) strength charge rate based on pounds of BOD for the concentration of BOD exceeding 300 milligrams per liter (mg/l); AND/OR

COD (chemical oxygen demand) strength charge rate based on pounds of COD for that concentration of COD exceeding 700 mg/l.

2. Suspended solids strength charge rate based on pounds of suspended solids for that concentration exceeding 300 mg/l.

In accordance with Section S12p of the District's Ordinances, sewer user charge Late Filing/Sewage Evaluation Fees will remain at \$250.00 for the 2024 budget.

Additionally, Section S12x of the District's Ordinances provides for the Special Sewer Service Charge (a.k.a. Clean Water Project Charge), primarily for payment of principal and interest on certain bonds and loans which proceeds are used to finance the costs associated with the Clean Water Project and going forward, the Integrated Plan. The Special Sewer Service Charge is set annually in conjunction with adoption of the District Budget. Effective January 1, 2024, said charge shall be \$4.33 per hundred cubic feet (ccf) to be uniformly applied and to be proportional to the quantity of water used by District customers who utilize the District sewer system and are furnished water directly by the Metropolitan District. The Special Sewer Service Charge shall appear separately on the water bills of the District.

Liquid Waste Discharge Fee (other than Acceptable Septage): A fee is required as part of the approval from MDC for its acceptance, by whatever means, of the discharge of liquid waste other than Acceptable Septage, as provided by §S13b of the District's Sewer Ordinances. For example, but without limiting the forms of liquid waste subject to this fee, this fee shall apply to the following without limitation: groundwater; remediated groundwater; contaminated stormwater; contaminated groundwater permitted through a CT DEEP Groundwater Remediation General Permit or other CT DEEP Miscellaneous General or Individual Permit; landfill leachate; process equipment condensate; groundwater used for process water including cooling water; discharges granted temporary authorization to discharge by CT DEEP; and stormwater discharged into a separated sanitary sewer system.

Liquid Waste Discharge Fee (other than Acceptable Septage) discharge subject to approval by the District:

Tier 1--	0-500,000 avg. gallons per month	\$0.13/gal
Tier 2--	500,001 to 700,000 avg. gallons per month	\$0.07/gal
Tier 3--	700,000+ avg. gallons per month	\$0.05/gal

FOG Charges: Fees are charged to Class III and IV and FDA class 2, 3, and 4 Food Service Establishments FSE or any other facility that is likely to discharge fats, oils and grease above the effluent limit of 100 mg/l to offset the costs of managing the Fats, Oils and Grease (FOG) program. This program is required by the CT Department of Energy and Environmental Protection General Permit for the Discharge of Wastewater Associated with Food Service Establishments.

It is **RECOMMENDED** that it be:

Voted: That the Bureau of Public Works recommends to the District Board passage of the following resolution:

Resolved: That, in accordance with Section S12j of the District Ordinances, Unit Charges For Computing The Sewer User Charge, a sewer user charge rate of five dollars and ninety cents (\$5.90) per hundred cubic feet of sewer flow be effective for meter readings on and after January 1, 2024 and that, effective January 1, 2024,

a sewer user customer service charge per connection of nine dollars (\$9.00) per month, a BOD strength charge of seventy cents (\$0.70) per pound be billed on sewer flow for that concentration of BOD exceeding 300 milligrams per liter; a COD strength charge of seventy cents (\$0.70) per pound be billed on sewer flow for that concentration of COD exceeding 700 milligrams per liter; and a suspended solids strength charge of fifty eight cents (\$0.58) per pound be billed on sewer flow for that concentration of suspended solids exceeding 300 milligrams per liter.

Further

Resolved: In accordance with Section S12x of the District's Ordinances, the rate for the Special Sewer Service Charge a.k.a. Clean Water Project Charge shall be \$4.33 per ccf commencing January 1, 2024.

Further

Resolved: That the District Board approve the following schedule of fees effective January 1, 2024.

	<u>CURRENT</u>	<u>PROPOSED</u>
Installation, Repair or Replacement of Sewer Meters		
<i>Fees are charged to wastewater dischargers that require metering of discharges for billing purposes. The charge is for the initial District meter installation and required repair or replacement of District meter as needed during the permitted discharge period.</i>		
5/8" meter	\$360	\$360
3/4" meter	\$375	\$375
1" meter	\$445	\$445
1-1/2" meter	\$1,140	\$1,140
2" meter	\$1,250	\$1,250
3" meter	\$2,630	\$2,630
4" meter	\$3,180	\$3,180
6" meter	\$4,960	\$5,090
8" meter	\$14,840	\$14,840
10" meter	\$17,110	\$17,110
12" meter	\$17,800	\$17,800
Meter Box (5/8" to 1")	\$1,750	\$1,750
Meter Pit (1 1/2" and larger)	Actual Cost* + Overhead	Actual Cost* + Overhead
Open Channel Sewer	\$15,300	\$15,300

* The charge will be the District's cost of material, labor and equipment used, plus overhead at prevailing rates. In circumstances where this procedure for charging a customer would significantly delay the final billing, the District will use an appropriate estimate of its cost.

	<u>CURRENT</u>	<u>PROPOSED</u>
Meter Chamber for Open Channel	Actual Cost* + overhead	Actual Cost* + overhead
Radio transmitter unit	\$200	\$212
Liquid Waste Discharge Fee (other than Acceptable Septage)		
Discharge subject to approval by the District:		
Tier 1-- 0-500,000 avg. gallons per month	\$0.13/gal	\$0.13/gal
Tier 2-- 500,001 to 700,000 avg gallons per month	\$0.07	\$0.07
Tier 3-- 700,000+ avg gallons per month	\$0.05	\$0.05
Sewer User Charge Late Filing/Sewage Evaluation Fees	\$250	\$250
Administrative Review for Sewer Services Fee	\$600	\$670
<i>Includes, but is not limited to, the following individual services: availability and capacity analysis, assessment calculation, permit applications for non-domestic sewage wastewater discharges (individual permits, Significant Industrial Users, Categorical Industrial User Wastewater to a POTW, Food Service Establishment Wastewater, Groundwater Remediation Wastewater, Miscellaneous Industrial User (MIU) Wastewater, Vehicle Maintenance Wastewater), encroachment permits, abandonment of infrastructure, Engineering/Environmental surveys and documentation requests</i>		
Annual Wastewater Discharge Compliance Fee	\$150	\$150
<i>For all permitted wastewater discharges categorized as non-domestic sewage discharges, including but not limited to, individual permits, Significant Industrial Users, Categorical Industrial User Wastewater to a POTW, Food Service Establishment Wastewater, Groundwater Remediation Wastewater, Miscellaneous Industrial User (MIU) Wastewater, Vehicle Maintenance Wastewater. The charge is related costs associated with annual administration and review of discharge monitoring reports, verification of discharges and inventorying and management of customer data. The fee will be billed on a monthly basis at \$12.50/month.</i>		

	<u>CURRENT</u>	<u>PROPOSED</u>
Wastewater Discharge Compliance Fees		
Failure to submit Registration or Variance Applications	\$500	\$500
Disallow Inspection	\$225	\$225
Failure to maintain discharge records including analytical results and discharge volumes	\$200	\$200
No FOG management or pre-treatment equipment installed	\$200	\$200
Non-compliant FOG management or pre-treatment equipment installed	\$200	\$200
Failure to properly maintain/service FOG and pre-treatment equipment to maintain proper working order and provide inspection and maintenance records as required.	\$100	\$100
Failure to maintain FOG management equipment in proper working order	\$200	\$200
Failure to clean FOG management equipment quarterly or when 25% of the depth of the trap is filled with food solids and FOG, whichever comes first.	\$200	\$200
Failure to properly dispose of brown and/or yellow grease	\$200	\$200
Source of sewer blockage	\$1,000	\$1,000
Source of sanitary sewer overflow - Actual costs will be billed to the facility for time and materials related to the overflow	\$1,000 or Actual Cost whichever is greater	\$1,000 or Actual Cost whichever is greater
Wastewater Discharge Violation Correction Schedule		
Discharge and/or Equipment not registered	7 days	7 days
No FOG management or pre-treatment equipment installed	30 days	30 days
FOG management equipment in need of repair or cleaning	7 days	7 days
Failure to maintain written records of FOG management equipment cleaning and inspection	7 days	7 days
Disallow an inspection – Inspection must be scheduled within 7 days of initial inspection attempt	7 days	7 days
Failure to clean and maintain FOG management equipment as required	7 days	7 days
Source of sewer blockage	24 Hours	24 Hours
Source of sanitary sewer overflow (minimum)	24 Hours	24 Hours

Respectfully submitted,



Scott W. Jellison
Chief Executive Officer



The Metropolitan District
water supply • environmental services • geographic information

To: The Metropolitan District Member Towns
From: Scott W. Jellison, P.E., CEO
Date: April 18, 2022
Subject: How Municipal Separated Storm Sewer Systems (MS4) Impact Analysis could be the catalyst for need to develop a Hartford Regional Stormwater Authority

The MS4 Impact Analysis, which each of our towns will have or will need to perform, mainly involves maintenance and testing protocols of stormwater water quality entering the storm system which discharges to nearby water courses. This will force each town individually to consider the following; 1) the necessary improvements to towns' stormwater infrastructure which its condition will be identified and ultimately required to be improved as part of compliance, 2) the possible highlighting of inadequate availability of stormwater collection systems in a specific drainage area of town. **If this effort is done in a vacuum by each of the Metropolitan District Commission's (MDC's) member towns, we may, as a Regional body, miss an opportunity of shared costs benefits without properly coordinated efforts, given MDC's expertise in managing the CSO community storm system in Hartford, which all the towns pay for.**

If these points are not enough to consider, more importantly, the impacts to MDC's sewer system due to the lack of storm infrastructure in our member towns (which cost to treat the storm water entering the sewer ultimately is borne by the member towns through the Ad Valorem tax) will become the last component to the CWP compliance. **The only way MDC will be able to continue to maintain its sewer overflow controls is to improve the condition of existing sewer pipes and remove the private stormwater/groundwater inflow which creates the drastic flow differentials to the treatment plants between dry weather and wet weather events.** Regulatory mandates from EPA and Connecticut Department of Energy and Environmental Protection (CT DEEP), will surely expand over the next 10 years.

I would request the towns consider duplication of effort. Given the mandates of MS4, is there a benefit in coordinating utility improvements within their city streets with MDC sewer projects? **As we are all aware, in their Consent Decree, EPA mandated stormwater disconnect programs from illegal private property connections to MDC's sewer.** A regional stormwater utility, not just for MS4, may start to make some sense for the future if we begin to anticipate the future regulations of MS4 and stormwater impacts to our communities as well as to the MDC sewer.

Background

The CT DEEP released the General Permit for the Discharge of Stormwater from MS4 Communities with an effective date of July 1, 2017. All MS4 permittees were required to submit a stormwater management plan (SMP) by April 1, 2017, which included descriptions of compliance activities planned to meet permit requirements over the 5-year permit term.

The new MS4 permit has additional requirements for implementing **six minimum control measures (MCMs)**, as well as wet weather sampling, and annual reporting. These additional elements will increase the cost for cities and towns to maintain MS4 permit compliance. In anticipation of these changes, I asked CDM Smith to evaluate the current MS4 programs and costs for the eight MDC member towns and compared the existing costs with estimated future costs.

Below is a general list of the major components of the permit. The scope is divided into MCMs, wet weather monitoring, and annual reporting. It also itemizes the major activities to be accomplished under each program, and includes the potential for collaboration among the MDC member towns.

- Public Education & Outreach
- Public Involvement/Participation
- Illicit Discharge Detection and Elimination (IDDE)
- Construction Site Runoff Control
- Post-Construction Stormwater Management
- Pollution Prevention/Good Housekeeping
- Wet Weather Outfall Monitoring
- Annual Report Preparation

Potential MS4 Cooperative Activities

Although the MS4 permit **may not currently** require member towns to install new stormwater infrastructure, treat discharges to bodies of water, or comply with the MDC's Consent Decree and Consent Order to remove stormwater from MDC sewers, in EPA regulated SSO communities the requirements are already in place as we speak and will only continue to be more aggressively monitored and enforced by EPA in the future.

There can be a regional infrastructure maintenance program provided by a single entity, however to do so, there would need to be transfer of assets (i.e., staff and equipment), legal interagency agreements, etc. These are difficult to do, but not impossible, and will likely cause significant administrative and operating costs which may offset potential savings.

Alternatively, to what is assumed herein for comparison purposes, the regional stormwater entity could take ownership of the stormwater infrastructure and long-term maintenance of the drainage system and would need much further discussion with our towns. **We are very aware of potential federal Infrastructure funding which could benefit our towns and be maximized by coordinating future stormwater management projects with the MDC Integrated Planning.**

To estimate the cost reduction for a regional approach to MS4 compliance, the list of potential cooperative projects was combined into categories, easiest to hardest to implement. **High potential programs (little value in savings):** public education and outreach and public participation; **medium programs:** IDDE, pollution prevention and good housekeeping (PP/GH), wet weather sampling, and annual reporting; and **medium/low potential programs (most potential savings):** construction site stormwater runoff control and post construction stormwater management.

MCMs in Collaboration	Total Startup Costs for 8 Separate MS4s	Regional Startup	Regional Startup	Total Annual Costs for 8 Separate MS4s	Annual Regional	Annual Regional	Potential Savings over 5-Year Permit	Potential Savings over 5-Year Permit
High Only	\$84,000	63%	\$31,000	\$137,000	58%	\$58,000	\$448,000	1%
High & Medium	\$6,306,000	14%	\$5,445,000	\$6,483,000	20%	\$5,193,000	\$7,311,000	18%
High, Medium & Low	\$6,667,000	13%	\$5,806,000	\$6,894,000	19%	\$5,583,000	\$7,414,000	18%

*Note: Total cost savings for this program would be **about \$7.3 million** over the 5-year permit term. Savings are generally dependent on reduced duplication of staff, but not effort, since the same number of maintenance activities are still required. To achieve the highest savings, an entity like a stormwater authority would need to be created to eliminate the duplication of effort.*

Therefore, if MDC was to Regionalize the MS4 Program Only

An operation and maintenance department would be included to staff IDDE field investigations, catch basin cleaning, street sweeping, sampling, and related activities.

It is likely that the staff in the municipalities who performed this work would no longer be needed, so the staffing and equipment assets could also be transferred to the regional entity, which understandably is a major concern to employees of our towns, but could be overcome through proper planning, retirements and attrition.

Lastly, another major aspect of this organization is funding. The total costs for this program are estimated to be on the order of \$5.2 million annually with startup costs at about \$5.4 million. To pay for these programs, funding could be provided in a couple of ways. First, the MDC member towns could allocate the costs of the program based on some factor such as population, area covered, or number of assets. The member towns could then pay the regional stormwater utility directly using the same method as is done for the sewer fees. Second, the regional entity could collect revenues as a taxing agent. Program costs would be allocated based on property values. Third, the regional entity can operate as a utility collecting stormwater fees that are based on impervious area. Since the MDC currently bills all property owners in the member towns for water, the same billing system could be used for stormwater fees.

Regional Stormwater Authority for purposes of CWP coordination, prioritization of CIP, MS4 and Stormwater Funding

MS4 permits could potentially act as the catalyst for the towns to consider a Regional Storm Water Authority. The MDC will, upon approval from DEEP for the Clean Water Projects Integrated Plan, as well as funding approval through referendum, begin separation of sewer and stormwater work in Hartford, as well as improve MDC sewers in the other seven towns through replacing and/or lining technologies.

MDC does not own the stormwater, or lack of, infrastructure in the SSO regulated communities. Its only obligation under the CWP is to remove the private inflow of stormwater generated from private property foundation drains/ roof leaders and sump pumps which are illegally piped directly into the MDC sewer. However, as part of a regional authority, MDC could own the stormwater infrastructure and improve its condition or install new storm pipe in conjunction with the Integrated Plan.

One very important component to this regionalization discussion, which is impossible to quantify, is the improvements to the stormwater infrastructure in our

towns. Not only is there a benefit to the private property owners, the MS4 mandates, but most importantly it will save our towns from the added expense of installing stormwater infrastructure to comply with the EPA's mandate outlined in the MDC Consent Decree.

One thing we do know in terms of consequential cost for not having proper stormwater infrastructure in our towns is the facts: to date, \$1.8 billion dollars of CWP authorizations, approximately \$600 million was allocated to increase the capacity of the treatment plants to capture the wet weather flow generated during rain events from inflow and infiltration. Upon completion of the CSO/SSO tunnel necessary to capture the overflows in Hartford, West Hartford and Newington, more than \$600 million will have been spent.

Therefore, under the massive expense, and overall contentious affordability of the CWP, only \$400 million will have been spent to improve the approximately 25% of the 1300 miles of sewer system.

A major aspect of any Authority described above is funding. The total costs for the MS4 programs **without collaboration** of our eight-member towns are estimated to be on the order of \$41 million over the 5-year permit term. To pay for these programs, funding could be provided by collecting the needed revenue from each member town, collecting revenues from taxes, or collecting from utility fees. If a regional organization was created, it would need a group of staff to collect and process revenue and to provide customer service. The MDC already has a system in place to do this.

However, there are currently no stormwater utilities in Connecticut.

The basic concept of a stormwater utility fee is like other utilities, such as water or wastewater, where the customer pays for the services received by the community. Water utilities base their fees on the direct measure of service provided using a water meter: the more water you use, the greater the fees. Wastewater does not have such a meter and most wastewater fees are based on water use – a surrogate measure. Stormwater fees are like wastewater in that there is no meter measuring the amount of stormwater that runs off a customer's property.

Most of the stormwater fees in the United States are based on the surrogate of impervious area: the more impervious area a customer's property has, the higher the fee they must pay. The logic is that the service to be provided to the customer is related to the runoff from the customer's property which, in turn, is related to the amount of impervious area on the property.

In Summary

The MDC is interested in seeing the value of a regional approach to stormwater MS4 compliance activities for the eight-member towns and possible overall stormwater authority managing, maintaining and prioritizing stormwater infrastructure improvements with the MDC sewer program improvements. Potential participating municipalities include Bloomfield, East Hartford, Hartford, Newington, Rocky Hill, West Hartford, Wethersfield, and Windsor.

Overall, it was estimated that 15 to 20 percent of the overall MS4 costs alone could be saved through a regional program, assuming all of the MDC member towns participate. Such a program would provide uniformity of services for a smaller overall cost to the customer.

These costs savings do not include the regionalization of a Stormwater Authority which could rehabilitate and replace stormwater pipes, catch basins, outfalls, etc. We will need much more information from our member towns through stormwater management drainage studies to determine the magnitude of capital costs necessary based on a condition and needs assessment for addition infrastructure.

However, the new permit does require that MS4 infrastructure be repaired or rehabilitated in a timely manner to reduce or eliminate the discharge of pollutants to receiving water course. Without further discussion, MDC towns could lose the opportunity for regionalized cost savings.

MDC will be working with our member towns to better understand their stormwater infrastructure needs and priorities, and how the MDC may be able to best support their efforts by coordinating priorities and maximizing possible Congressional funding.

**BUREAU OF PUBLIC WORKS
REGULAR MEETING**

555 Main Street, Hartford
Wednesday, August 30, 2023

Present: Commissioners Andrew Adil, John Bazzano, Richard Bush, David Drake, John Gale, Joan Gentile, Allen Hoffman, Gary Johnson, Dominic Pane, Bhupen Patel, Pasquale J. Salemi, Alvin Taylor, Calixto Torres and District Chairman William DiBella (14)

Remote

Attendance: Commissioners Byron Lester, Maureen Magnan and David Steuber (3)

Absent: Commissioners John Avedesian, Donald Currey, James Healy and James Woulfe (4)

Also

Present: Commissioner Jean Holloway
Commissioner Jacqueline Mandyck
Scott W. Jellison, Chief Executive Officer
Christopher Stone, District Counsel
John S. Mirtle, District Clerk
Christopher Levesque, Chief Operating Officer (Remote Attendance)
Kelly Shane, Chief Administrative Officer
Robert Barron, Chief Financial Officer
Susan Negrelli, Director of Engineering
David Rutty, Director of Operations
Tom Tyler, Director of Facilities
Michael Curley, Manager of Technical Services
Jason Waterbury, Senior Project Manager
Jeff King, Construction Manager
Nick Salemi, Communications Administrator
Carrie Blardo, Assistant to the Chief Executive Officer
Julie Price, Executive Assistant
Dave Baker, IT Consultant (Remote Attendance)
Joseph Szerejko, Independent Consumer Advocate (Remote Attendance)

CALL TO ORDER

The meeting was called to order by Chairman Hoffman at 4:03 PM

PUBLIC COMMENTS RELATIVE TO AGENDA ITEMS

No one from the public appeared to be heard.

APPROVAL OF MEETING MINUTES

On motion made by Commissioner Adil and duly seconded, the meeting minutes of July 12, 2023 were approved. Commissioner Bazzano abstained.

Commissioner Bush entered the meeting at 4:06 PM

ACCEPTANCE OF SEWERS BUILT BY DEVELOPER PERMIT AGREEMENT – ANA GRACE SCHOOL, 129 GRIFFIN RD NORTH, BLOOMFIELD, CT

To: Bureau of Public Works for consideration on August 30, 2023

The sewers outlined in the following resolution have been constructed under Developer's Permit-Agreement in accordance with the plans, specifications and standards of the District, and the Director of Engineering has certified to all of the foregoing.

It is therefore **RECOMMENDED** that, pursuant to Section S8g of the Sewer Ordinances re: "Acceptance of Developer's Sewers," it be

Voted: That the Bureau of Public Works recommends to the District Board passage of the following resolution:

Resolved: That, in accordance with Section S8g of the District Ordinances, the following is incorporated into the sewer system of The Metropolitan District as of the date of passage of this resolution:

	<u>Sewers In</u>	<u>Built By</u>	<u>Completion Date</u>
1	CREC – Ana Grace School, 129 Griffin Road North, Bloomfield R19005	Developer: CREC (Capitol Region Education Council) Contractor: Bartlett Brainard Escoll, Inc. / Milton Beebe	March 17, 2023

Respectfully submitted,



Scott W. Jellison
Chief Executive Officer

On motion made by Commissioner Pane and duly seconded, the report was received and resolution adopted by unanimous vote of those present.

Commissioner Taylor entered the meeting at 4:19 PM

**SHELBOURNE AXELA LLC REQUEST TO MODIFY SUPPLEMENTAL ASSESSMENT OF
50 MORGAN STREET, HARTFORD**

To: Bureau of Public Works for consideration on August 30, 2023

On May 15, 2022, after a duly noticed public hearing, the Bureau of Public Works levied a supplemental benefit assessment on 50 Morgan Street in Hartford. The District Board approved the supplemental benefit assessment on July 11, 2022. The supplemental assessment was based on the conversion of the three hundred forty-two (342) room Crowne Plaza Hotel to a residential building with two hundred fifty-two (252) residential units as approved by the City of Hartford.

The supplemental assessment totaled \$155,430.00 (252 residential units x \$1,655.00 = \$417,060.00 - \$261,630.00 (a credit for the prior existing 342 hotel rooms x \$765.00)). The property owner, Shelbourne Axela LLC, submitted a request to the Bureau for modification of the supplemental assessment on the basis that the redevelopment plan for the property is for a lower number of residential units than the levied assessment. Shelbourne Axela LLC's request states the proposed total number of residential units is 192. However, the City of Hartford assessor data identifies the number of residential units at the property as 214.

BE IT HEREBY RESOLVED:

That the supplemental benefit assessment of 50 Morgan Street in Hartford calculated based on 252 residential units, approved by the Bureau of Public Works on May 15, 2022 and the District Board on July 11, 2022, totaling \$155,430.00 be modified to \$56,130 (192 residential units x \$1,655.00 = \$317,760 - \$261,630.00 (credit for the prior existing 342 hotel rooms x \$765.00)).

BE IT FURTHER RESOLVED:

That legal notice, in the form and manner as approved by District Counsel, be recorded on the land records that any future (re)development or conversion of the property in excess of 192 residential units shall be subject to supplemental assessment by the District.

Respectfully submitted,



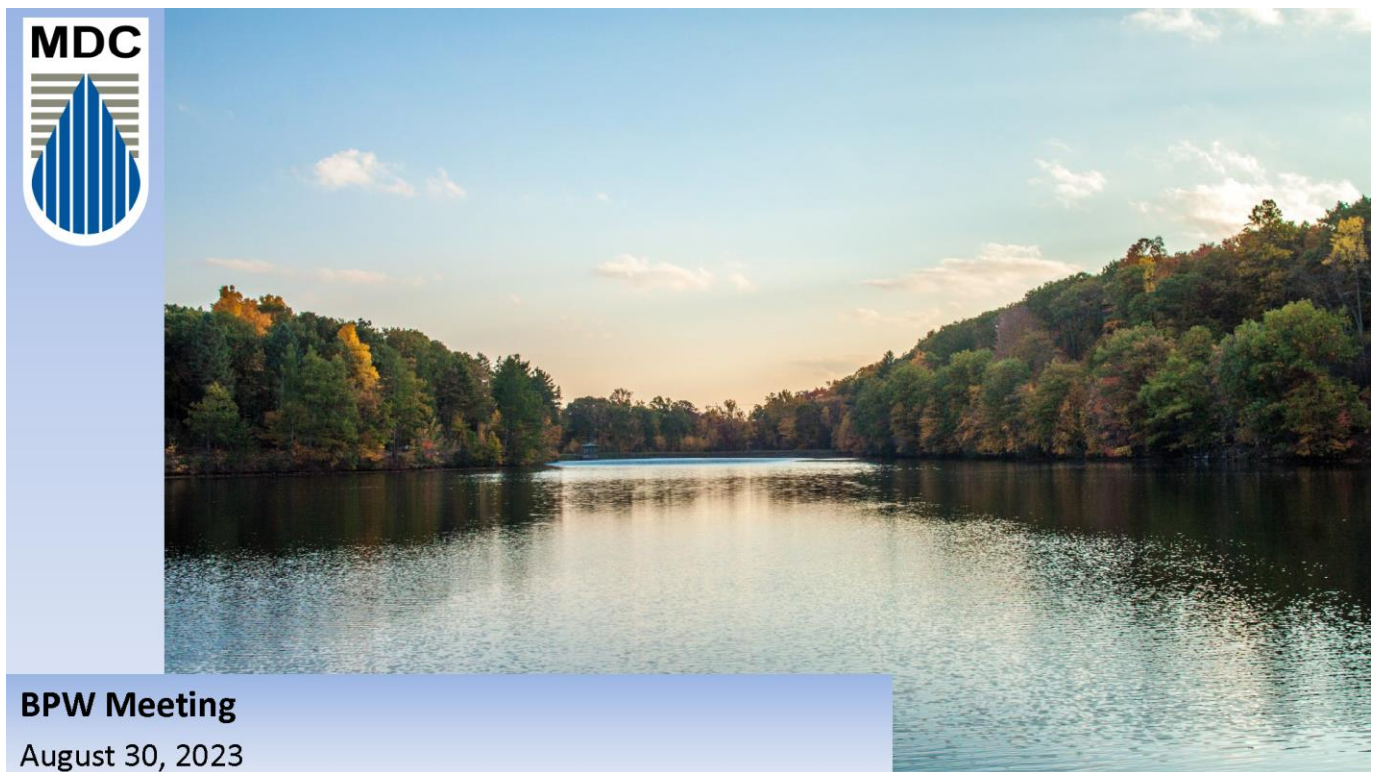
Scott W. Jellison
Chief Executive Officer

Commissioner Pane made a motion to approve the resolution. The motion was duly seconded, the report was received and resolution adopted by unanimous vote of those present.

Commissioner Salemi entered the meeting at 4:58 PM

CLEAN WATER PROJECT AND STORMWATER

Chief Executive Officer Scott Jellison gave the following presentation regarding the Clean Water Project and Stormwater:



Plumbing Code Enforcement

International Plumbing Code and BOCA National Plumbing Code

SECTION P-1005.0 BACKWATER VALVES

P-1005.1 Approval: Metallic backwater valves shall conform to ASME A112.14.1 listed in Chapter 19. Nonmetallic backwater valves shall conform to CSA CAN3-B181.1 or CAN/CSA B181.2 listed in Chapter 19.

P-1005.2 Definitions: The following words and terms shall, for the purposes of this section and as stated elsewhere in this code, have the meanings shown herein.

Backflow

Drainage: A reversal of flow in the *drainage system*.

Backwater valve: A device or valve which is installed in the house drain or sewer pipe where a *sewer* is subject to *backflow*, and which prevents drainage or waste from backing into a low level or fixtures and causing a flooding condition.

P-1005.3 Fixtures subject to backflow: A backwater valve shall be installed where plumbing fixtures are subject to *backflow* from the public sewer.

P-1005.4 Location of backwater valves: Backwater valves shall be installed so that *access* is provided to the working parts for service and repair.

714.1 Sewage Backflow

Diagram

Where plumbing fixtures are installed on a floor with a finished floor elevation below the elevation of the manhole cover of the next upstream manhole in the public sewer, such fixtures shall be protected by a backwater valve installed in the *building drain*, or horizontal *branch* serving such fixtures. Plumbing fixtures installed on a floor with a finished floor elevation above the elevation of the manhole cover of the next upstream manhole in the public sewer shall not discharge through a backwater valve.

1109.1 General

Where the *public sewer* is a combined system for both sanitary and storm water, the *storm sewer* shall be connected independently to the *public sewer*.

1101.3 Prohibited Drainage

Storm water shall not be drained into sewers intended for sewage only.

The enforcement of plumbing code for new buildings and renovations will lead to reduced private property backups as well reduction in stormwater entering the sanitary sewer.

2

City of Hartford vs. MDC Storm Water

City of Hartford – Zoning Regulations

6.14.2 REGULATIONS

A. Basic Requirements. In no case shall a zoning permit, including a zoning permit for a parking lot, allow the following:

- (1) Direct channeling of untreated surface water runoff into adjacent ground and surface waters.
- (2) Peak runoff discharge rates from 2, 10, 25, and 100-year storms to exceed the corresponding pre-development peak discharge rates.
- (3) Disturbance of pre-development natural hydrologic conditions other than in a minimal way, unless absolutely necessary or unless pre-development conditions are restored post-development.

MDC – Sewer Ordinance S2w

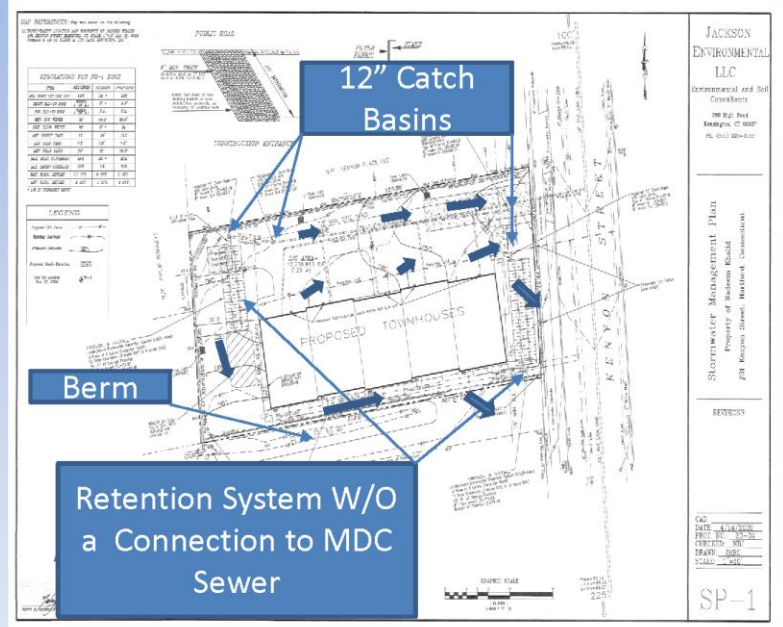
(2) The District may require the applicant to submit design and analysis by a licensed professional engineer including direct and indirect peak discharge rates and total runoff volumes from proposed connections. The direct and indirect peak discharge rates and **total runoff volumes** shall not exceed pre-development conditions, nor downstream sewer system capacity design, for 24-hour storms with average recurrence intervals of 1, 2, 10, 25, and 100 years. If the Applicant or District determine that the discharge rates and **volume standards** are not achievable, the Applicant may, in consultation with the District, perform a comprehensive hydraulic analysis of the catchment area to assess the effects that the increased discharge rates will have on the existing pipe network including an evaluation of potential pipe surcharging and localized flooding upstream and downstream of the connection. The District will not approve new or modified discharges that increase the potential for pipe surcharging or street flooding. No permit will be issued until all local municipal, state and federal requirements and approvals are satisfied.

Same requirements with two engineering analysis exceptions: MDC considers a 1-Yr Storm and total runoff volume (pre-and post-development)

3

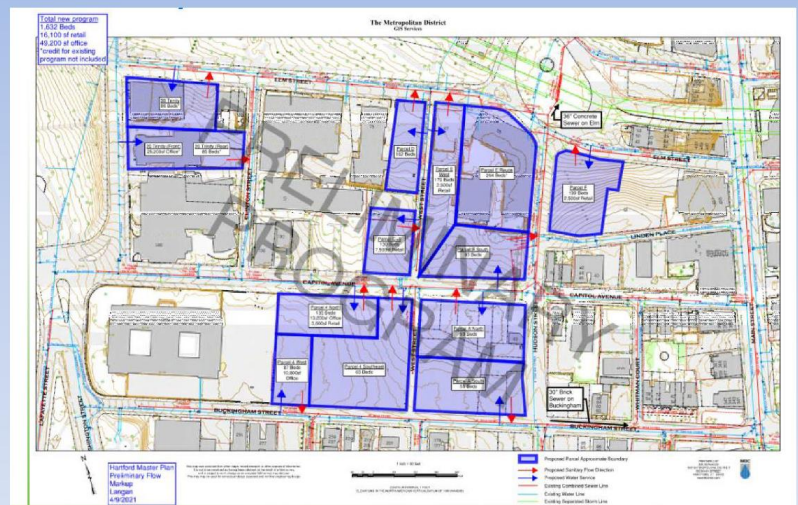
Proposed Residential Development 31 Kenyon Street

- Five (5) Townhouses (15 units) development with on-site parking on 0.29 acre site. (No existing connections)
- Stormwater Management Plan was approved by the COH on September 21, 2020 with respect to P&Z Regulation 6.14.
- As proposed the detention (retention) system is intended to capture the first 1" inch of rain and infiltrate into the soil to reset. No design storm criteria used.
- Once the system is at capacity (>1 Month Storm), it flows overland in the direction of Kenyon Street or adjacent property (south side).



Bushnell South Planned Development - Simulations

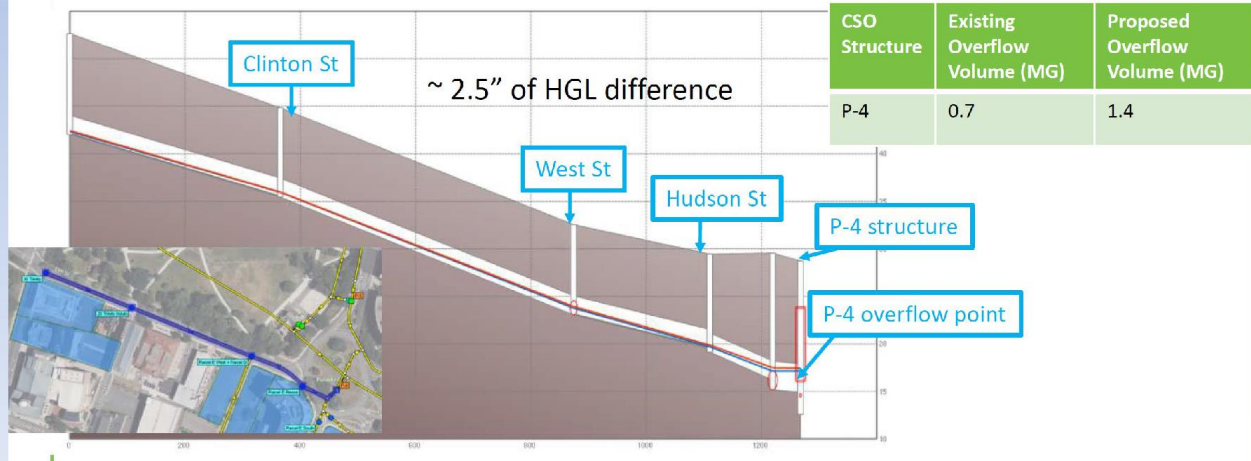
- The District received a proposed plan for the development of vacant lots and redevelopment of existing buildings between Buckingham Street and Elm St
- The District evaluated the effect the connections would have on the proposed development as well as current areas with known system surcharges and street flooding upstream of the development. Simulated 10-yr CSO storm



Bushnell South Planned Development - Simulations

Elm Street (10 year CSO)

- Existing sanitary flows, no stormwater from development areas
- Proposed sanitary flows, stormwater from development areas



MDC Ordinances

SEC. 57e COLLECTION OF DEFERRED COSTS FROM DEVELOPERS IN LIEU OF ASSESSMENT

Whenever a sewer is to be built by Developer or Owner in any area or district in which costs have been deferred as hereinbefore provided, or whenever said sewer is built in advance of the availability of a District sewer outlet, such deferred cost or such share of the cost of the future outlet sewer shall be paid by the Developer or Owner as provided in Section 58f.

SEC. 58f PAYMENT OF OUTLET CHARGE BY DEVELOPER

The Bureau of Public Works may establish and revise a schedule of fair and reasonable charges for outlet into the District sewerage system of any sewer or drain constructed under the terms of a Developer's Agreement. However, said Bureau may vary the amount of outlet charge to be collected from a developer when in its opinion the use of the established schedule of charges would not be fair and reasonable.

Outlet charges may be paid by developers at the time of execution of the Developer's Permit-Agreement or deferred until the time that house connection permits are issued.

The amount of outlet charge to be paid by a developer, at the time of execution of the Developer's Permit-Agreement shall be set forth in the vote of the Bureau of Public Works granting permission to said developer to construct said sewer or drain.

When a developer elects to defer payment of the outlet charge, the amount of the deferred outlet charge payable when the house connection permit is issued shall be in accordance with the established schedule of charges in effect at that time.

The developer shall pay to the District a flat charge per lot or per parcel of land at the time of execution of the Developer's Permit-Agreement to cover the additional administrative and recording fees associated with the deferment of charges.

All outlet charges shall be paid to the Treasurer of The Metropolitan District and credited by him to the proper amount in the Assessable Sewer Construction Fund.

MDC Ordinances

SEC. S8a AGREEMENTS WITH DEVELOPERS AUTHORIZED

The Bureau of Public Works is authorized to empower the District Clerk or designee to enter into agreements on behalf of The Metropolitan District with developers, contractors or other owners of land for the construction of sewers or drains by and at the expense of such developers, contractors or owners, which sewers may become part of the public sewer system under the conditions hereinafter stipulated, and the said Bureau is empowered to make, from time to time, any necessary regulations stipulating the terms and conditions of said agreements not inconsistent with the provisions of this ordinance. The Chairman or Vice Chairman of the Bureau of Public Works is authorized to sign all such agreements on behalf of the District. The Chairman of the Bureau of Public Works may, at his or her discretion, authorize the District Clerk to sign all such agreements on behalf of the District. The terms and the text of a standard form of agreement for work under this ordinance or any variations of said standard form to apply to any particular project thereunder shall be as approved by the District Counsel. In cases where, in staff's opinion, special circumstances are involved, the Administration must bring the matter to the Bureau of Public Works for approval.

SEC. S8b PROVISIONS OF AGREEMENTS

The Bureau of Public Works shall specify in the terms of such agreements, or on plans which are made a part thereof, the limits, sizes and grades of the sewers or drains to be built and the nature of and limitations on the wastes or liquids to be conveyed. All the terms of and all subsequent amendments to the General Sewer Ordinances, (Parts 1-5) shall be applicable to work done under such agreements. Such agreements shall provide that the full cost of construction of the sewer and all expense incidental thereto shall be borne by the developer or owner who shall, before commencing any work, deposit with the Clerk of the Bureau of Public Works a sum deemed by the Chief Engineer of said Bureau to be sufficient to defray the cost of preliminary surveys, of the preparation of designs and plans, of other expenses of preliminary engineering, of inspection, supervisory engineering, grade staking, measuring, testing and all other expenses of the District incurred prior to or during construction, or during any maintenance period stipulated, including allowances for pension, insurance and similar costs related to payroll. Such agreements shall also provide that, in case said deposit proves to be insufficient at any time during the progress of the work, further deposit shall be made upon notification by the Clerk of said Bureau, and that upon acceptance of the sewer or drain, any unexpended portion of said deposit shall be returned to the developer or owner.

8

North Hartford Projects You Will See First in 2023

- **North Meadows area/Tower Avenue Area – Sewer Main & Lateral Lining/Repair - \$4.6M**
 - Sewer main lining and lateral lining to the house/building
 - Manhole rehabilitation and Sewer point repairs
 - *CT DEEP Review and Approval: June and July 2023*
 - *Construction: July 2023 to November 2023*
- **Expedited Sewer Separation Contracts – Specific Streets in North End - \$18M**
 - Work to include: Sewer main and lateral lining to building, Storm laterals, Storm mains (as needed), Backwater valves, sump pumps and other private property work (160 Properties), Restoration, possible water service renewals
 - *Phase 1 – Durham St. (DEEP Review: July and Aug 2023., Construction: Sept 2023 start)*
 - *Phase 2 – Woodstock and Branford Street (DEEP Review July and Aug 2023, Construction: Sept 2023 start)*
 - *Phase 3 – Westland and Martin Streets (DEEP Review: Sept and Oct 2023, Construction: Oct start)*
 - *Phase 4 – (TBD) Windsor Street, E. Burnham St, E. Euclid St and E. Morningside St.*

9

Weekly North Hartford IP/Program Coordination Meetings

MDC

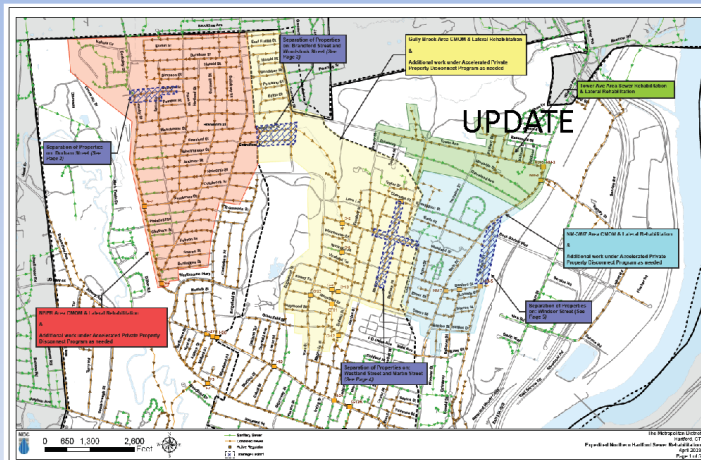
North Hartford IP/Program Coordination Meeting Bullets
8/30/2023

- Outreach
 - Project Updates (Two week look ahead) – Durham, Tower North, Brantford Woodstock, NBPR Drainage Study – adding to the website
 - Project Description, Construction Update, What to expect, Refer to Outreach Calendar, RWV – reminder and door knocking
 - Website – great tool for Program and Project Information
 - Placing Sewer Back Up Protection and Procurement Opportunities Ads in local newspapers
 - Outreach Meet and Greets – Aug 22 and 24 – Tower North and Aug 31, Brantford
 - Outreach groups have begun door knocking in North Hartford (Aug 26) – Also making/attending appointments.
- DEEP Coordination - weekly
 - Hartford Flood Compensation – Sept 1 – must get to step 6 before MDC inspection kicks in
 - Utility Relocation process for DEEP participation – Westland St watermain relocation
 - FY 2024 Project Budgets
 - Hartford's Project utilizing EPA's technical assistance – Green Infrastructure – New Hope Church property met Aug 28, MDC concerns next meeting is being planned (VAB is consultant)
- North Hartford Backwater Valve Program and Private Property Inflow Disconnections (Pumper Back Up Prevention)
 - Assessments update – Utility Services and MUA – Durham (19 of 23 properties DWV, 10 of 23 External Inflow separation) MUA (is targeting W-F this week, Brantford/Woodstock – both at @10% - Outreach/MUA - door knocking
 - Finalized application and release forms- currently using paper but working with IT for digital version – Adobe Sign
 - SSP update for work order processing
 - GIS developed address search tool to determine North Hartford and NRZ
 - Procurement is Working on contracts with some of the respondents (Received 9, 1 ineligible) – bid again mid Sept
 - Properties being evaluated (Utility Services/Engineering) 780 A Windsor (field meeting), 711 Garden St
- House Connection Program
 - Pub. Bil Meeting- 21 attended – 1 Hartford (Penney)
 - Bid Open Sept 7

- Expedited Sewer Separation Work (Street Work):
 - Durham Street (23 properties) – CFQ#11 – VMS
 - Water main work (Lyme to Palm) – Accelerated Contract VMS, Started Thursday July 20. Main complete services to start after Labor Day. Sewer separation work to begin early Sept.
 - Staging area – corner of Durham and Lyme
 - Storm drain and house connection stub, sewer main and house connection lining
 - Construction: July to November 2023.
 - Woodstock and Brantford (67 Properties) – CFQ#12 – Coastline
 - Brantford watermain starts week of 9/5 - VMS
 - Sewer separation work to start mid Sept on Woodstock
 - Construction: September to November 2023
 - Westland Street (34 Properties) and Martin (Private Property work only)
 - In Final Design, sending to DEEP early Sept for approval
 - Storm drain, Sewer main and house connection lining
 - Construction: (Fall 2023- 2024)
- Expedited Sewer Separation Work (Private Property Work):
 - Installation of new Storm House Connections (Private Property) & Completion of any required internal plumbing work on approx. 700 properties (same streets as above bullet)
 - Work will begin in 2023 and will be completed in 2025.
- Sewer Lining/Rehab Projects (4):
 - North Meadows Area/Tower Ave (2/3/4): CFQ #9 the expedited on-call sewer (Jeff Vassardi and Kit Longtin) – Coastline and National Watermain
 - Construction schedule (August 7 to end of 2023)
 - NBPR (Granby/Blue Hills) – Tom Robbins
 - Design to DEEP July 18th
 - Bids Due/Open – October 3, 2023
 - Construction: November 2023 to 2025
 - North Meadows – Tom Robbins
 - Design Complete 9/11/2023
 - Construction: January 2024 to 2025
 - Gully Brook Area – Tom Robbins
 - Design Complete 11/6/2023
 - Construction March 2024 to 2025/2026
- NBPR Drainage Study
 - River field work is underway
 - Tree Dams - COH
- Contracting Opportunities – WBE/MBE and Local Hartford efforts

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North Hartford Projects - Overview



North Hartford Projects Added to IP Phase 1 (2023-2029)

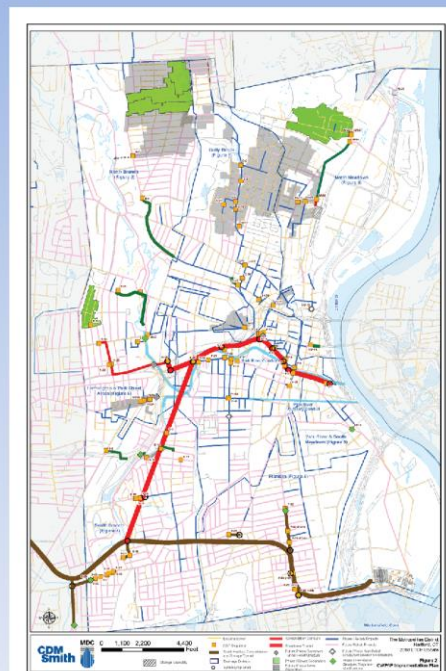
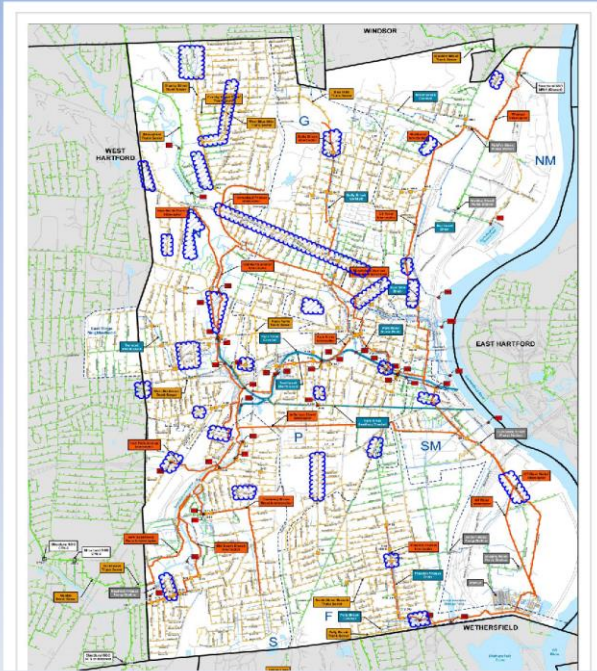
- Backwater Valve and Private Property Disconnect
2023-2026 (All Shaded Areas) 1,000+ properties
- Sewer & Lateral Rehabilitation in North Hartford:
2023 – 2026 (Red/Yellow/Cyan)
- North Meadows Sewer & Lateral Rehabilitation:
2023 (Green)
- Expedited Sewer Separation Contracts: Specific Streets
2023-2025 (Blue Hatching)
- Granby Area Sewer Separation (Within Reddish Area)
2026-2028
- Granby Area Private Separation: (Within Reddish Area)
2028-2030

North Hartford Projects On-going in IP Phase 1 (2023-2029)

- North Branch PR Drainage Study/Separation Design
(COH/MDC Project): 2023 – 2024
- District wide Backwater valve and Private Property Disconnect

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Areas of Known Recurring Property and Street Flooding



Durham St, Hartford preliminary work



Durham St, Hartford



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Durham Street, Hartford

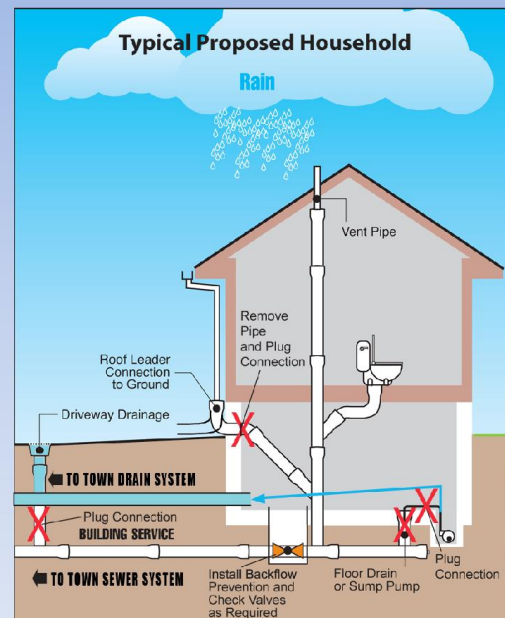


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North Hartford Private Property Work

North Hartford Backwater Valve Program and Private Property Inflow Disconnections - \$12.2M

- 1,000 to 1,500 Properties in North Hartford
- Protect Basements - plumbing deficiencies and unprotected fixtures
- Laterals (Sewer house connection) – assess and correct problems
- Private Property Separation - changes in anticipation of future combined sewer separation
- *Assessments at Private Properties: How to get your appointment with MDC's Utility Services*
- *Numerous flyers/educational graphics have been created for customers regarding this program*

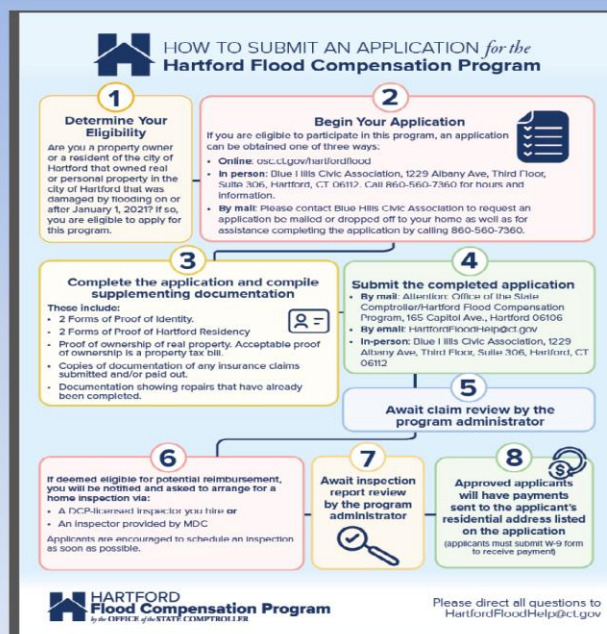


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Implementation & Outreach

- Tower Avenue/ North Meadows Sewer Rehabilitation project Outreach Meetings held August 22 and August 24 in neighborhood.
- Durham Street water main nearing completion. Flyers delivered this week to residents about upcoming Sewer Separation work scheduled to begin in mid-September.
- Two Branford Street Outreach meetings being held on August 31 about upcoming water main and sewer separation work
- North Branch Park River Drainage Study flyers went out to residents on Westland Street and Garden Street
- Blue Hills NRZ and Northeast NRZ chairs have been contacted about sewer rehab and sewer separation construction in their areas and know MDC will provide info at upcoming meetings.
- City of Hartford DPW and Community Engagement Depts are notified of all construction flyers and community meetings
- Community Outreach teams led by Karraine Moody and Janice Flemming are out in the field, being trained on our program supporting all water main and sewer projects and our Utility Services Dept. private property assessments and related work
- Website continues to be updated with project information, including link to Comptroller Program
- MDC staff attended Blue Hills NRZ National Night Out event August 1 to give out information and sign up residents for basement assessments
- Advertised flyers and information graphics for the Back Water Valve Program in local papers (Hartford News, North End Agents and Inquiring News)
- Upcoming RFQ/RFPS for upcoming North Hartford work will be advertised in local papers

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18

OPPORTUNITY FOR GENERAL PUBLIC COMMENTS

No one from the public appeared to be heard.

COMMISSIONER REQUESTS FOR FUTURE AGENDA ITEMS

Commissioner Bush would like to further discuss the issue brought up at the July 12, 2023 meeting by West Hartford resident Elizabeth Bryden pertaining to reimbursement for her sewer house connection issue.

ADJOURNMENT

The meeting was adjourned at 5:32 PM

ATTEST:

John S. Mirtle
District Clerk

Date of Approval