



# Integrated Plan Implementation Quarterly Report

Q3 2024 (July 1 to September 30)  
December 12, 2024



# Meeting Agenda

- Welcoming Remarks
- Introductions
- Quarterly update on MDC's Integrated Plan, with current focus on North Hartford
  - Quarterly Report from July 1, 2024 to September 30, 2024 (Q3 2024)
    - An update on projects completed and under construction
    - A schedule for projects under construction or yet to start construction
    - A status of use of minority and disadvantaged business enterprises, including efforts and success at recruiting labor and contractors from the area where projects are or will be occurring
  - Next Quarterly Report Meeting = March 13, 2025 (Q4 2024 and 2024 Annual Report)
- Public Comments and Questions

# Presentation Outline

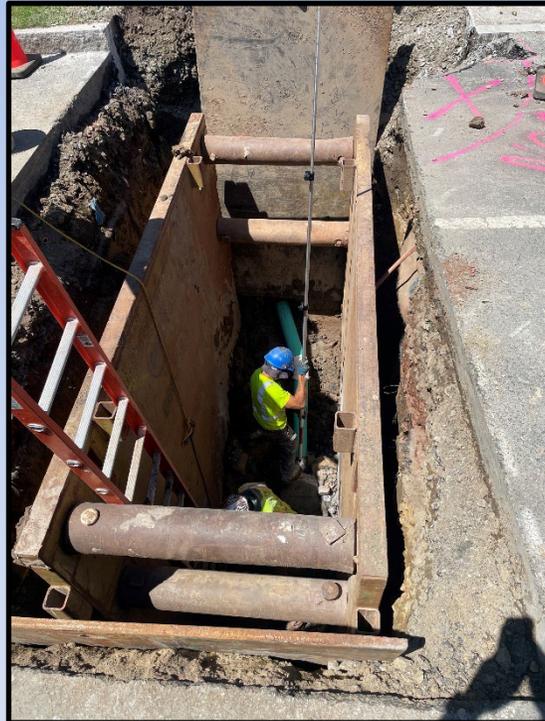
- Background on focus area (North Hartford)
- Quarterly Consent Order (CO) reporting requirements
- Overview of CO projects in:
  - North Hartford
  - Hartford (outside of North Hartford)
  - Outside Hartford
- Update on key performance indicators
- MDC's recruiting efforts for Small, Minority, Women and Disadvantaged Businesses (SBE, MBE, WBE, DBE) and Local Labor
- Closing remarks

# The North Hartford Area

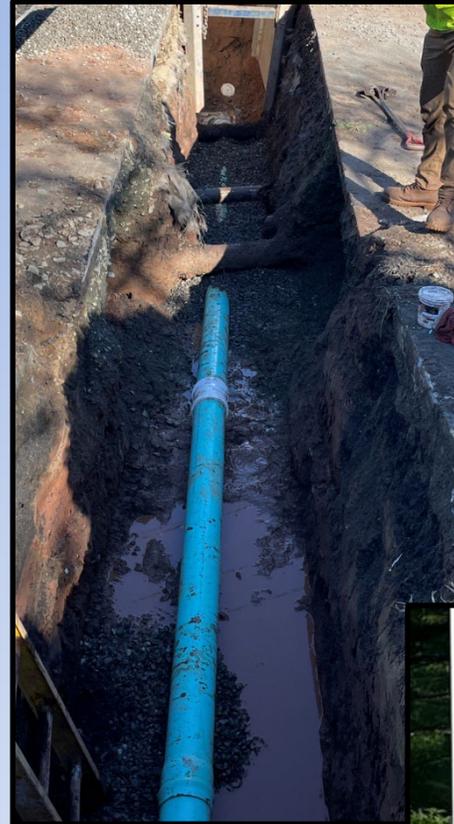
MDC listened to the North Hartford Community and responded with an altered program that provides immediate community benefit



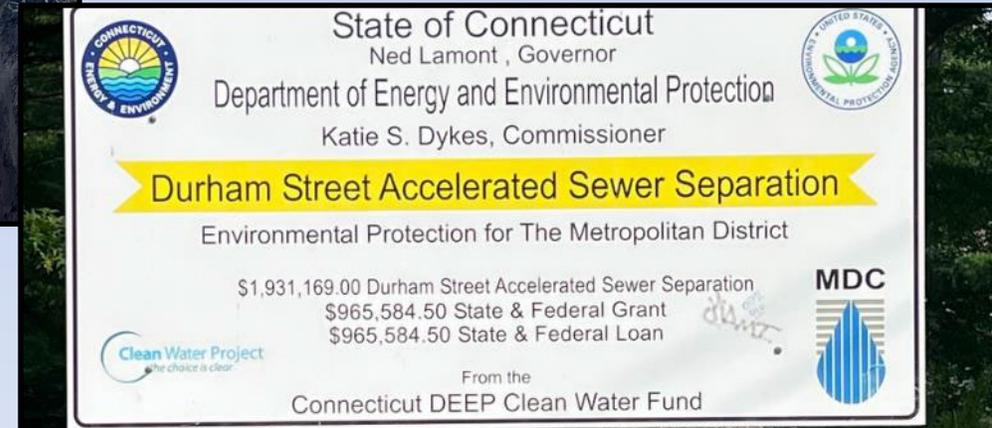
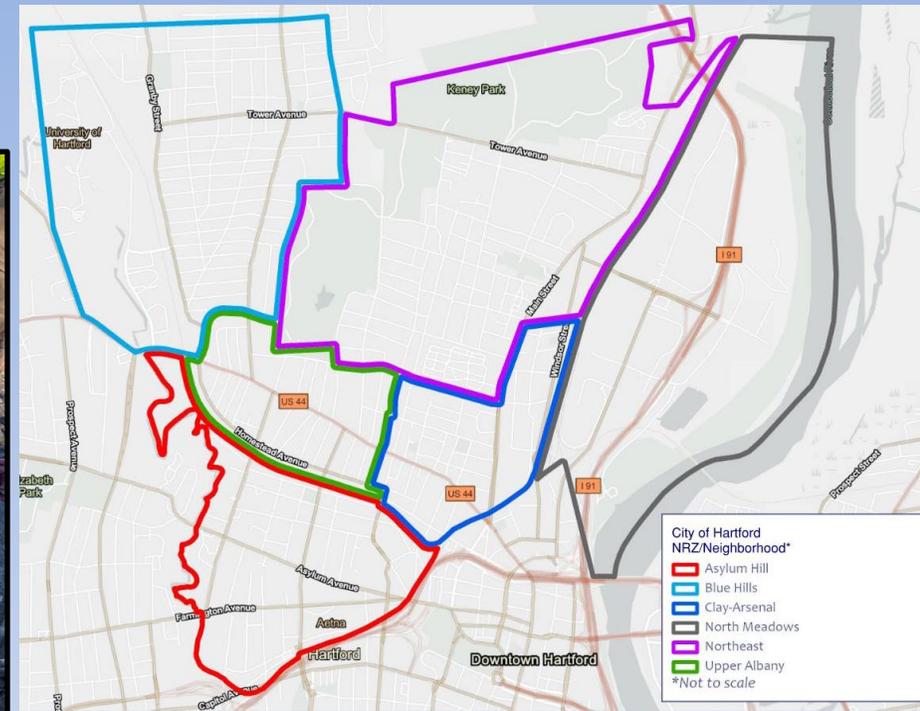
Point repair  
(Project: Sewer & House Connection Rehabilitation in North Branch Park River Area)



Lateral repair  
(Project: Sewer & House Connection Rehabilitation in North Branch Park River Area)



New storm lateral  
(Project: Woodstock and Branford Streets Expedited Sewer Separation)



# Consent Order Modification Reporting Requirements

## **Quarterly and Annual Reporting Required under Consent Order Modification**

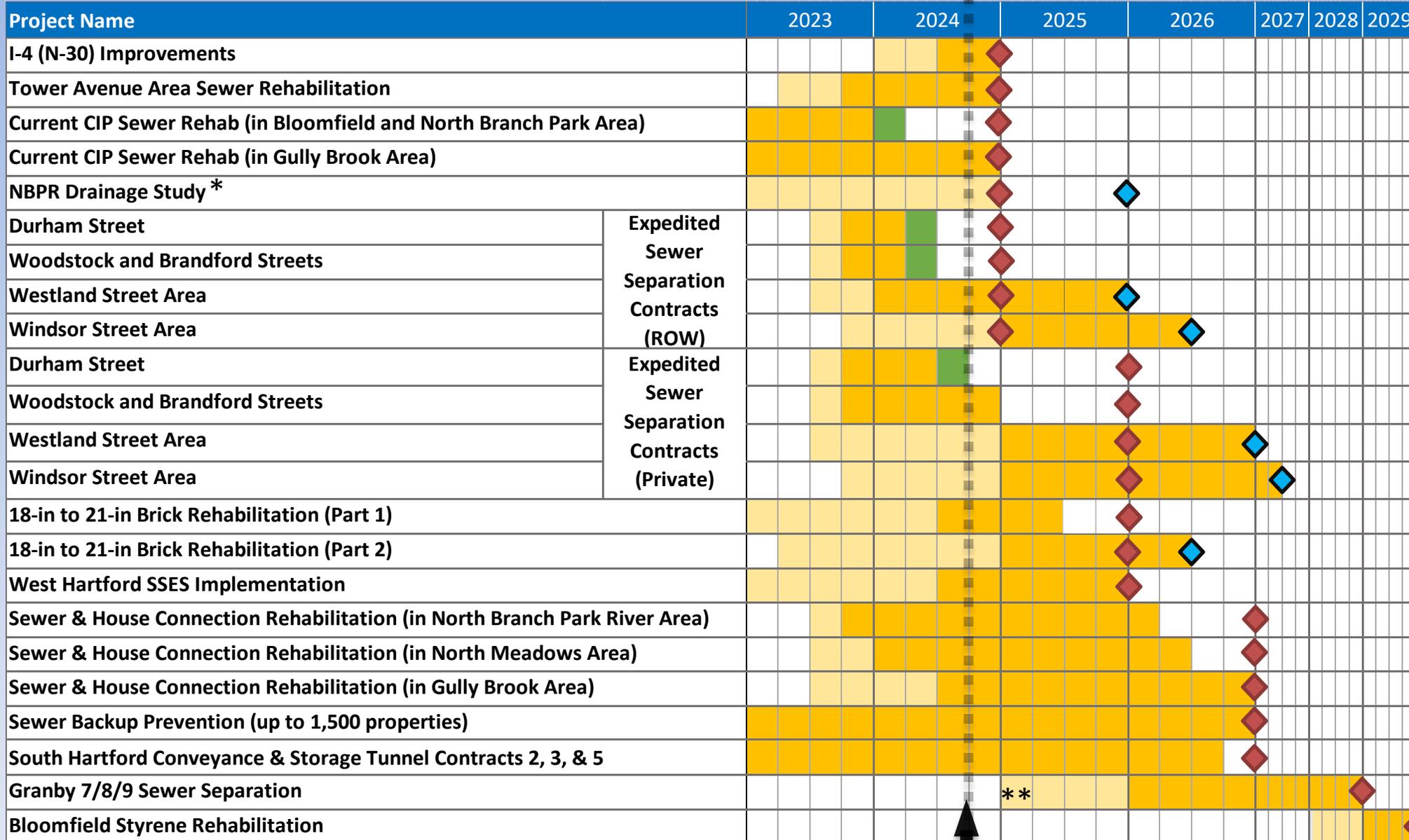
- 1) An update on projects completed and under construction
- 2) A schedule for projects under construction or yet to start construction
- 3) A status of use of minority and disadvantaged business enterprises, including efforts and success at recruiting labor and contractors from the area where projects are or will be occurring
- 4) Other items as requested by Commissioner
  - *None received this quarter*

## **Other Items Voluntarily Included by the MDC**

- MDC committed to 30% Hartford based workforce for North Hartford work associated with Consent Order modification
  - 30% based on similar City of Hartford goal on municipal projects

# Consent Order Projects & Timeline

\*To view bids, please visit: <https://themdc.org/ebid>



- ◆ Consent Order Deadline
- ◆ Consent Order Deadline (pending DEEP approval)
- \* Draft submitted in 2024
- \*\* Start is contingent upon NBPR Drainage Study outcome

In Design
  In Construction
  Completed

# Expedited Sewer Separation Program – Schedule Update

- CO Scope:
  - Right-of-Way (ROW) Work = Installation of up to 8,000 LF of new storm drains & associated laterals
  - Private Property Work = Separation work at up to 160 properties
  - Preliminary Plan of Streets:
    - Branford and Woodstock Streets (Blue Hills Avenue to Coventry Street)
    - Durham Street (Granby Street to Palm Street)
    - Westland Street (Love Lane to Clark Street)
    - Windsor Street (Main Street to Sanford Street)

Project Name	Current Consent Order Milestone	Proposed Consent Order Milestone
Expedited Sewer Separation (ROW) - Westland Street Area Project	12/31/2024	12/31/2025
Expedited Sewer Separation (ROW) - Windsor Street Area Project	12/31/2024	7/1/2026
Expedited Sewer Separation (Private) - Westland Street Area Project	12/31/2025	12/31/2026
Expedited Sewer Separation (Private) - Windsor Street Area Project	12/31/2025	7/1/2027
18-in to 21-in Brick Rehabilitation (Part 2)	12/31/2025	7/1/2026

- Proposed CO Milestone Dates:
  - To be updated for multiple projects
- Scope Additions:
  - Westland Street Area Project:
    - Added Garden Street (Capen Street to Charlotte Street) and Risley Street (entire street)
  - Windsor Street Area Project:
    - Added Main Street (Windsor Street to Cleveland Avenue); Value Engineering led to alternatives evaluation
  - Additional 1,320 LF of storm drains and associated laterals; 1,730 LF of new sanitary sewers & associated laterals (primarily on Westland and Windsor Street Area Projects)
  - Additional 112 properties to be included in separation program
  - Additional 9,800 LF of water main work throughout Durham, Woodstock/Branford, Westland, and Windsor areas

# Expedited Sewer Separation Program – Example Q3

## Construction Progress Photos



### Durham Street Sewer Separation Project

#### Project Overview

The Durham Street Sewer Separation Project construction began in July 2023, with on-call contracting process and included the installation of new storm drains and stub connections, along with the lining of sewer mains and installing new manholes and catch basins. The project was completed in July 2024 (a year and a half ahead of schedule) and is part of MDC's Integrated Plan with CT DEEP, an effort to improve the efficiency and reliability of the sewer system in the area.

#### Private Property Work

**Sewer Backup Prevention:** Installation of backwater valves, check valves, and sump pump

**Sewer Inflow Separation:** Lining sewer laterals and adding gutters and yard drains to manage water flow and prevent sewer system overload.

#### Project Outreach

Project outreach by MDC staff and contractors was key to keeping residents informed throughout the construction process for both public right of way and private property improvements. This constant communication was important not just for the construction improvements but also the restoration of the road, sidewalks, lawns and tree planting.

\$1.9M in sewer improvements

\$276K additional water main improvements

38% of workforce hours were Hartford residents



#### Work Completed

- 1234 feet of main line sewer lined
- 21 sewer laterals/private house connections lined
- 1401 feet of main line storm installed
- 730 feet of new water main installed

- 16 new water services installed
- 21 basement assessments completed
- 18 backwater valves installed
- 16 private property storm laterals installed



Lateral Repair  
(Project: Sewer & House Connection Rehabilitation in North Meadows Area)



New Storm Lateral  
(Project: Woodstock and Branford Streets Expedited Sewer Separation)

# Expedited Sewer Separation Program - Example Construction Progress Photos



*Project: Woodstock and Branford Streets Expedited Sewer Separation*

**Prior to improvements:** Roof leader from gutters enters basement and connects to sewer

**After improvements:** Roof leader from gutters diverted to new storm lateral and new sump pump to pump internal/foundation drains to new storm lateral



*Project: Woodstock and Branford Streets Expedited Sewer Separation*

Example of new storm lateral installed for roof leaders and sump pump connection

# Consent Order Projects: NRZ Impact and CSO Reduction

Project Name		Neighborhood Revitalization Zone and/or Neighborhood	1 Yr CSO Reduction (MG)	Typical Year CSO Reduction (MG)
Current CIP Sewer Rehab (in Bloomfield and North Branch Park Area)		Blue Hills, Clay Arsenal, South Downtown, South Behind the Rocks	0.2	2.4
NBPR Drainage Study		Blue Hills, West End, Asylum Hill	*	*
Sewer & House Connection Rehabilitation (in North Branch Park River Area)		Blue Hills	0.9	11.5
Granby 7 Sewer Separation		Blue Hills	0.4	3.8
Granby 8 Sewer Separation		Blue Hills	0.3	3.4
Granby 9 Sewer Separation		Blue Hills	0.4	3.6
Durham Street	Expedited Sewer Separation Contracts (ROW)	Blue Hills	0.1	1.2
Woodstock and Brandford Streets		Blue Hills	0.1	1.4
Westland Street Area		Northeast	0.4***	4.5***
Windsor Street Area		North Meadows	1.1	14.3
Expedited Sewer Separation Contracts (Private Property Work)		Blue Hills, Northeast, North Meadows	**	**
Sewer & House Connection Rehabilitation (in Gully Brook Area)		Northeast	0.9	11.0
Tower Avenue Area Sewer Rehabilitation		Northeast	0.2	3.0
Sewer & House Connection Rehabilitation (in North Meadows Area)		North Meadows	1.0	28.4
Current CIP Sewer Rehab (in Gully Brook Area)		Asylum Hill, Clay Arsenal, South Behind the Rocks	1.3	10.0
18-in to 21-in Brick Rehabilitation (Part 1 and Part 2)		Asylum Hill, Clay Arsenal, South End, Marg	0.8	7.0
I-4 (N-30) Improvements		West End	<0.1	<0.1
Sewer Backup Prevention (up to 1,500 properties)		All North Hartford NRZs/Neighborhoods	**	**
South Hartford Conveyance & Storage Tunnel Contracts 2, 3, & 5		South End, Marg, South Behind the Rocks	3.8	21.9
West Hartford SSES Implementation		N/A	0.2	1.2
Bloomfield Styrene Rehabilitation		N/A	<0.1	<0.1

\*CSO Reductions for the NBPR Drainage Study included in individual Granby Separation Contracts

\*\* CSO Reductions associated with Private Property Improvements included in associated ROW project reductions

\*\*\* Values were updated based on revised runs to include additional separation

COMPLETED REDUCTION TO DATE	
0.4 MG (3%)	5.0 MG (4%)

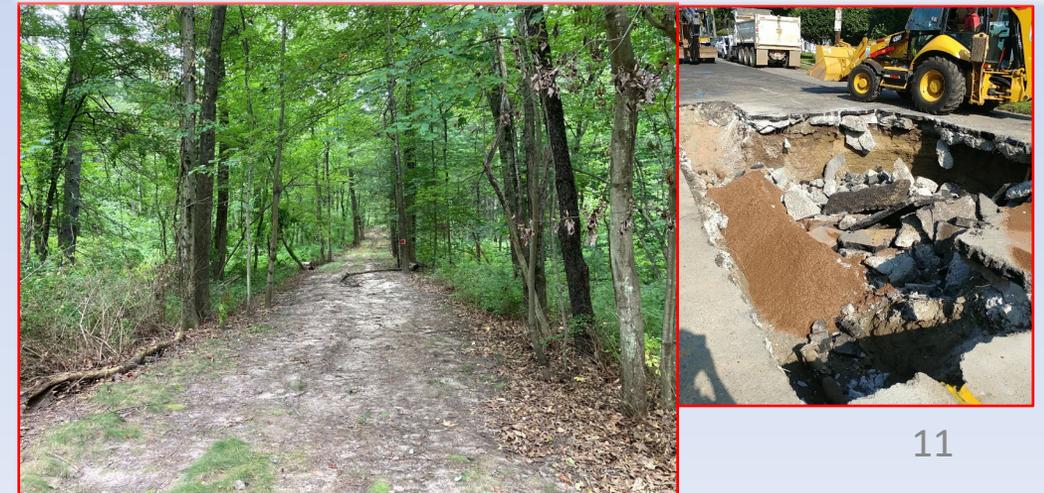
 Completed

# Additional Sewer Improvement Projects

*Non-Consent Order (2019 through Q2 2024)*

- **Clearing Sewer Easements on Private Property**
  - Completed = Bloomfield, Rocky Hill, East Hartford, Windsor
  - In progress = Newington
  - Other Member Towns to follow
- **Easement Sewer Rehabilitation**
  - Bloomfield Phase 1 completed, subsequent phases in design
  - Other Member Towns to be evaluated/scheduled
- **On-Call Sewer Rehabilitation/Repair**
  - 230,000 feet sewer main rehabilitated from 2019 to 2023; 14,000 feet of sewer main through Q3 2024
  - Sewer main and laterals rehabilitated in Member Towns
    - In 2024 Q3: work performed in Hartford, Wethersfield
  - Asset management/paving program coordination

Town	Easement Clearing Length (feet)
Bloomfield	98,000 (completed)
Rocky Hill	59,100 (completed)
East Hartford	66,200 (completed)
Windsor	132,300 (completed)
Newington	51,300 (in progress)
Hartford	55,800 (2025-2027)
West Hartford	54,300 (2025-2027)
Wethersfield	59,200 (2025)
<b>Total (feet)</b>	<b>576,200</b>
<b>Total (miles)</b>	<b>109</b>



# Consent Order Projects (as of 9/30/24): North Hartford

## Sewer & House Connection Rehabilitation (in North Branch Park River Area):

Rehabilitation of sewer mains and house connections upstream of CSOs N-2 and N-4

**Granby 7/8/9 Sewer Separation:**  
Sewer separation with new storm drains and private property disconnections (final location based on North Branch Park River Study)

## Tower Avenue Area Sewer Rehabilitation:

Rehabilitation of sewer mains and house connections upstream of CSOs NM-2, NM-3, and NM-4

## Expedited Sewer Separation Contracts (ROW):

Construction of storm drains in streets  
**(Additional separation added per MDC review)**

## Sewer & House Connection Rehabilitation (in North Meadows Area)

Rehabilitation of sewer mains and house connections upstream of CSOs NM-5, NM-6, and NM-7

## Expedited Sewer Separation Contracts (Private):

Private property storm separation (to follow ROW Separation Contracts)

## Sewer & House Connection Rehabilitation (in Gully Brook Area):

Rehabilitation of sewer mains and house connections upstream of CSO G-13W

## North Branch Park River Drainage Study:

Evaluating the North Branch Park River and surrounding sewer and drainage infrastructure in support of future river improvements and sewer separation

- Not Yet Started
- In Design
- In Construction

# Consent Order Projects: Private Property Benefit

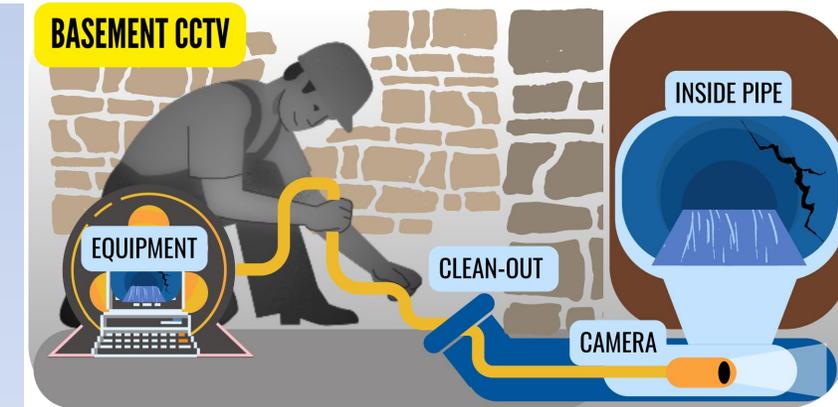
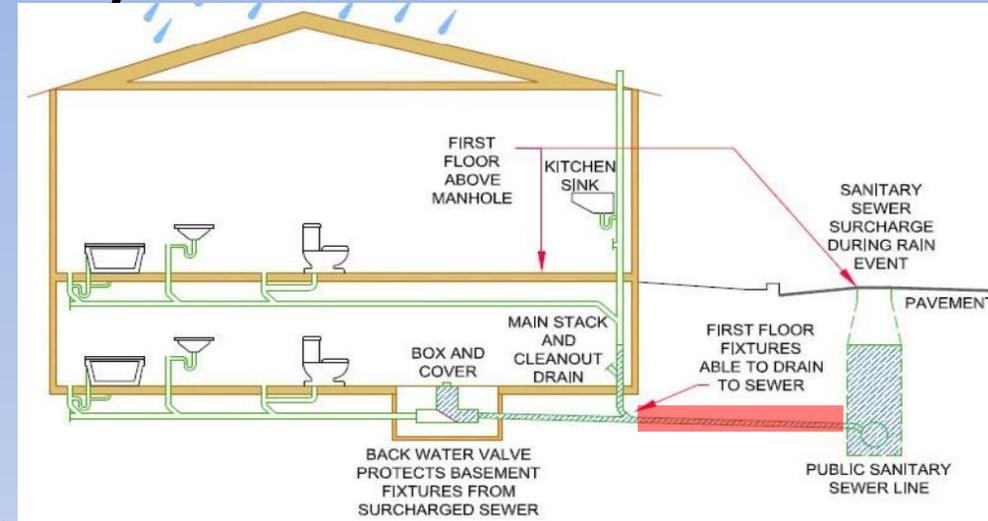
## Sewer Backup Prevention Program (“Backwater Valve Program”)

- Separates homes’ foundation drains (via installing sump pumps) and gutters from the sewer system, reducing surcharging during wet weather
- Install backwater valves to prevent basement backups
- \$12.2 million (up to 1,500 homes) for North Hartford properties (Consent Order project)
- <https://themdc.org/utility-services/backwater-valve-program/>
- To **schedule a free assessment** of your property, contact MDC Utility Services at **(860) 278-7850, ext. 3123**

## Sewer House Connection Program – voluntarily included by MDC

- MDC Board initiative to provide same benefit District-wide that was being offered to North Hartford residents
- Emergency and non-emergency maintenance and inspection services at no cost to the property owner
- Provides funding for renewal of the house connection, if needed
- <https://themdc.org/utility-services/sewer-house-connection-program/>

Contractors for both programs are anticipated to be all SBE (Small Business Enterprise)



# Example Sewer Backup Prevention and Sewer House Connection Programs Improvements



Previous washing line

New washing machine line protected by check valve

New cleanout

Previous BWV pit

New sump pump in old BWV pit

**Prior to improvements:**

Washing machine drain line and old BWV pit with no protection



**After improvements:**

Check valve installed to protect washing machine; new cleanout installed; new sump pump to replace the old BWV pit

# Example Sewer Backup Prevention and Sewer House Connection Programs Improvements



New double bay plastic sink and drain piping (new check valve also installed not in photo)

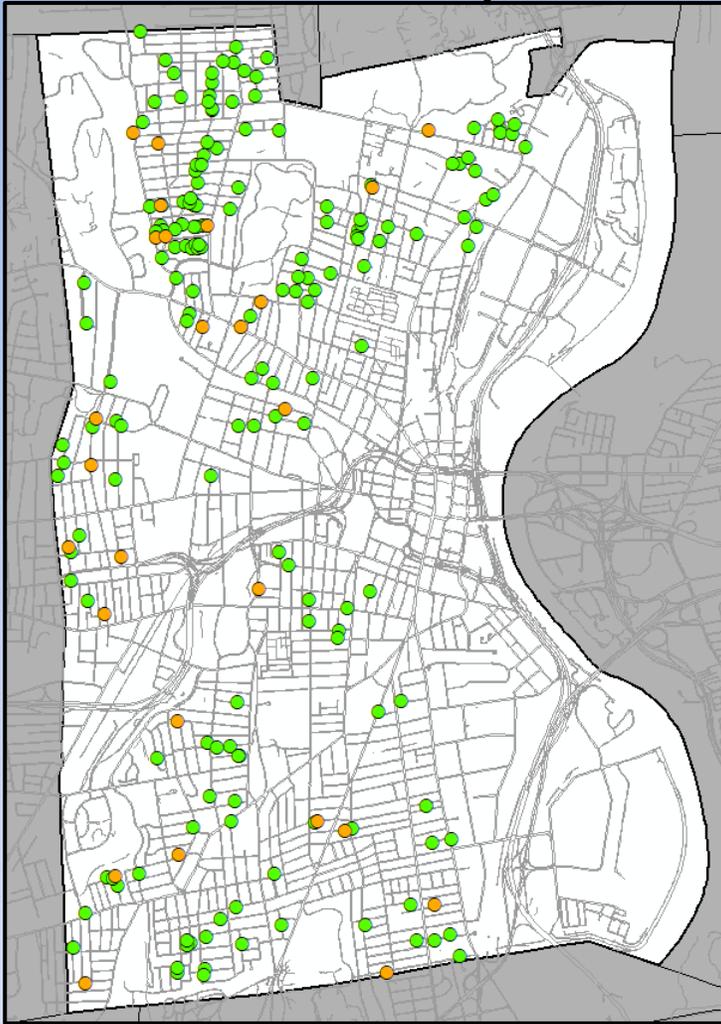


New sump pump (with battery backup) and new BWV inside irrigation style box



Sump pump discharge to lawn

# Sewer Backup Prevention and Sewer House Connection Programs

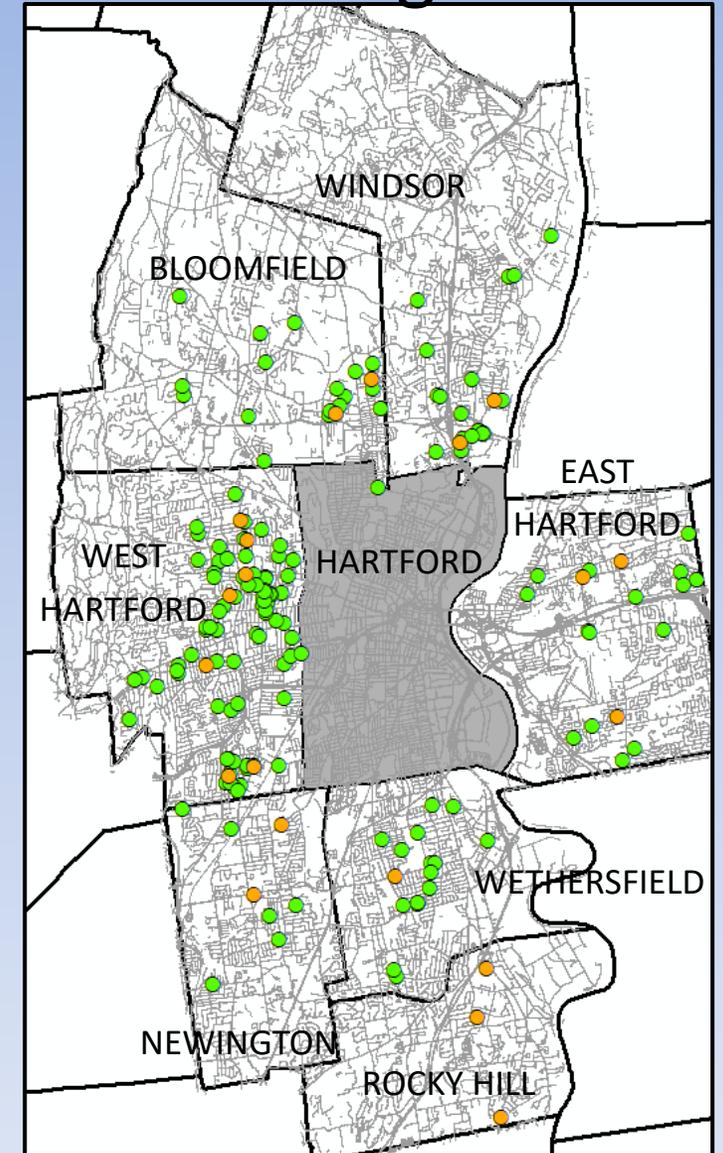


Hartford

## 2024 Q3 Properties Investigated

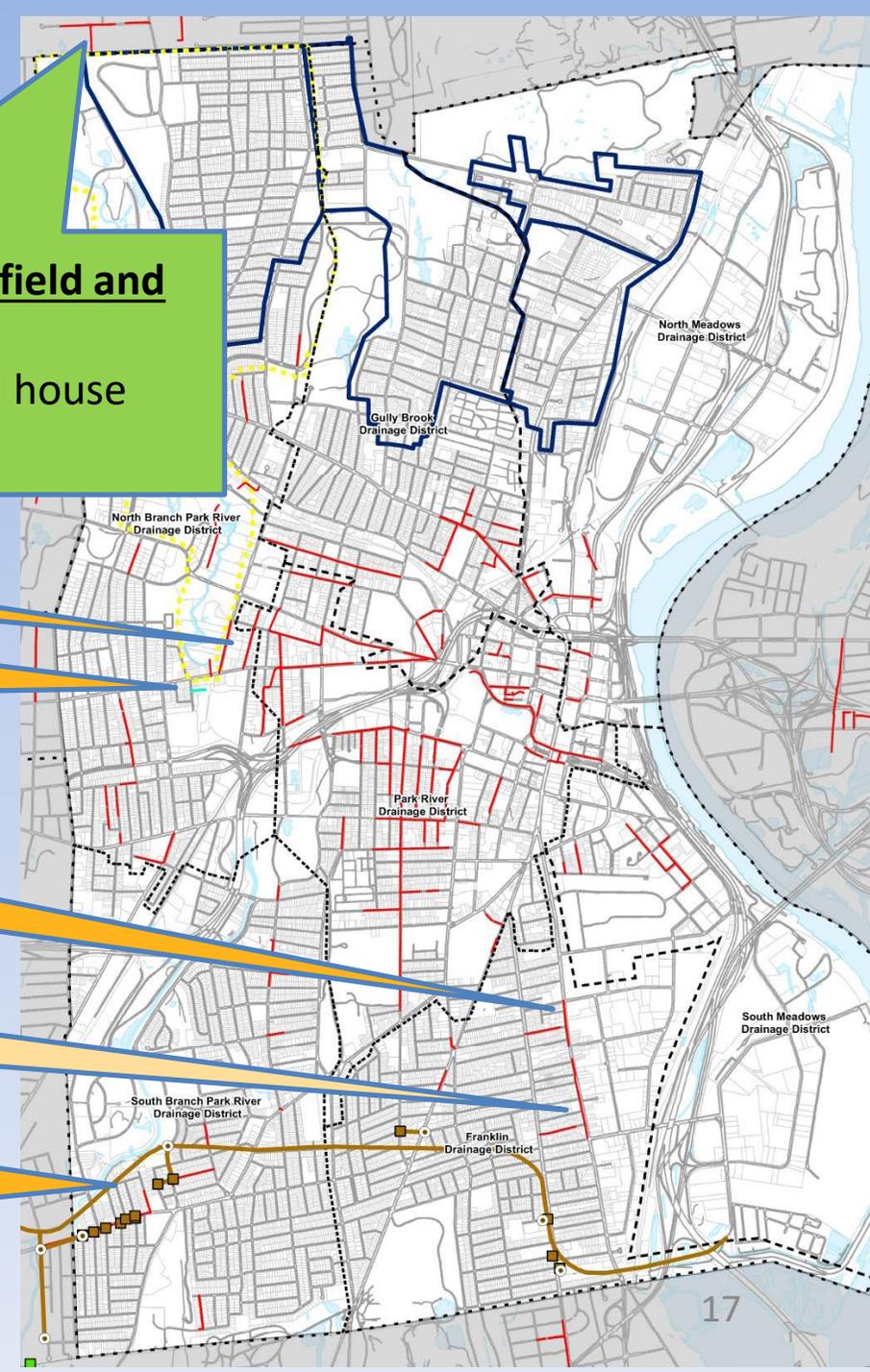
- 340 Sewer Backup Prevention Properties &
- 55 Sewer House Connection Properties

(395 Total Properties)



Outside of Hartford

# Consent Order Projects (as of 9/30/24): Outside of North Hartford



**Current CIP Sewer Rehab (in Bloomfield and North Branch Park River):**  
Rehabilitation of sewer mains and house connections

**Current CIP Sewer Rehab (in Gully Brook Area):**  
Rehabilitation of sewer mains and house connections

**I-4 (N-30) Improvements:**  
Rehabilitation of sewer mains downstream of CSO I-4 (N-30)

**18-in to 21-in Brick Rehabilitation (Part 1)**  
Rehabilitation of brick sewer mains

**18-in to 21-in Brick Rehabilitation (Part 2)**  
Rehabilitation of brick sewer mains

**South Hartford Conveyance & Storage Tunnel (SHCST) Contracts 2, 3, & 5:**  
Construction of the SHCST, drop shafts, consolidation conduits and dewatering PS



- Not Yet Started
- In Design
- In Construction
- Completed
- Sewer Rehab

# Consent Order Projects (as of 9/30/24): Outside of Hartford

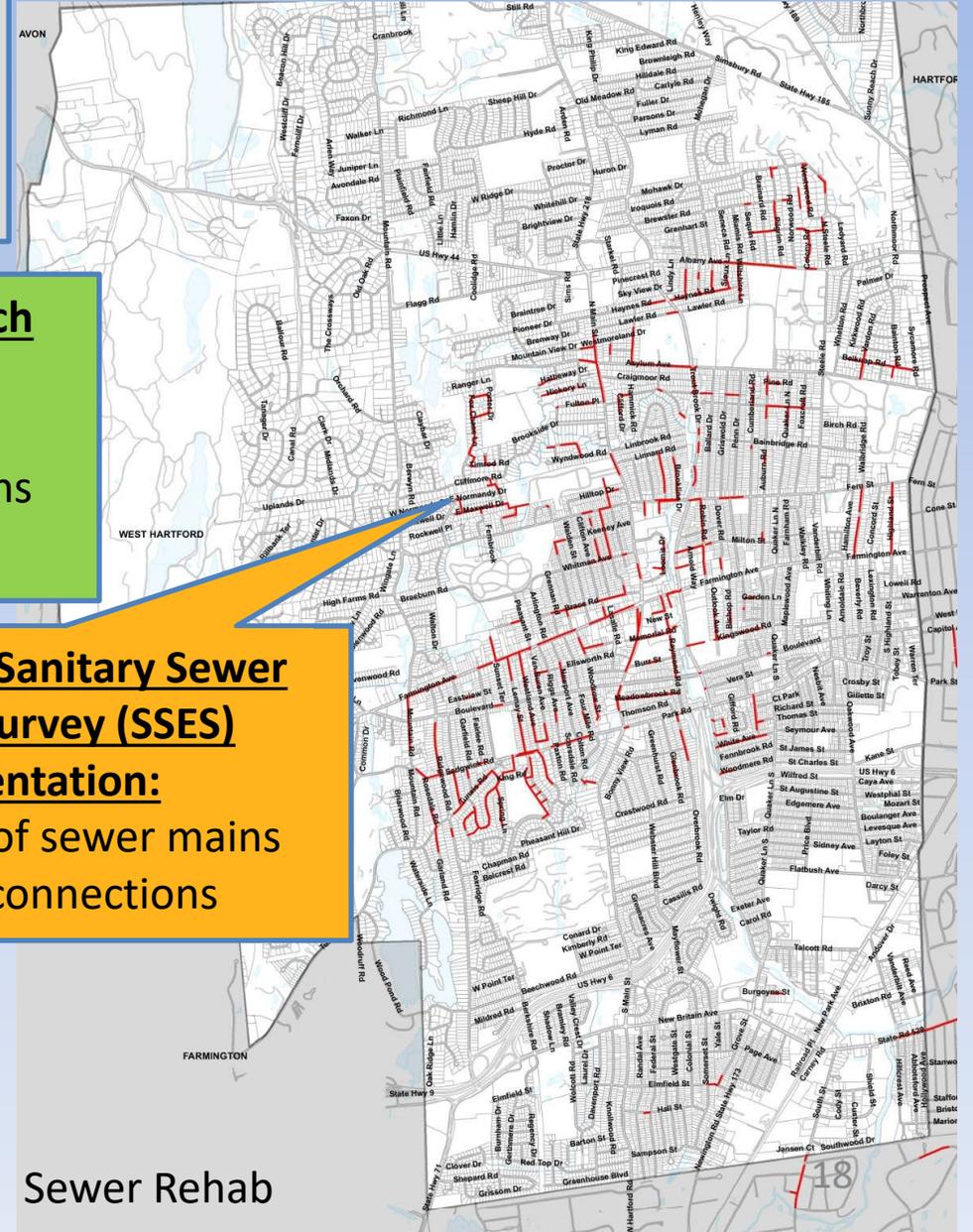


**Bloomfield Styrene Rehabilitation:**  
Rehabilitation of styrene rubber sewer mains

**Bloomfield and North Branch Park River Area Sewer Rehabilitation:**  
Rehabilitation of sewer mains and house connections

**West Hartford Sanitary Sewer Evaluation Survey (SSES) Implementation:**  
Rehabilitation of sewer mains and house connections

- Not Yet Started
- In Design
- In Construction
- Completed
- Sewer Rehab



# North Branch Park River Drainage Study Update

- **Update for 2024 Q3**
  - CDM Smith presented preliminary findings to MDC, City of Hartford (COH), and Greater Hartford Flood Commission (GHFC) in 2024 Q2
  - Draft report submitted to MDC and COH in Q3 for review
    - Proceeding with sewer separation conceptual design - to be completed by end of Q1 of 2025; further decisions from COH pending
- Importance of Study
  - NBPR has sediment buildup (i.e., from streets) and blockages (i.e., from downed trees); contributes to street and localized flooding and backups
  - Study needed to determine
    - Required flood control and stream improvements (COH priority)
    - Approach to remove stormwater from sewers; eliminate CSOs (MDC priority)
  - Short term improvements performed to date
  - City cleaned Park River Conduit inlet
  - Durham Street sewer separation in ROW complete, private property separation completed end of Q3 2024



# Status of Projects: Key Performance Indicators (District Wide\*)

Key Performance Indicators	Q3 2024 (Jul 1 through Sep 30)	2024 Annual (Jan 1 through Sep 30)	Total To Date (since 2019)
Storm drains or sanitary sewers installed (feet)	0'	101'	31,732'
Sewer mains rehabilitated (feet) (miles)	32,991' (6.2)	58,349' (11)	382,122' (72.3)
Sewer laterals inspected (# of properties)	1,525	4,032	7,224
Sewer laterals renewed (# of properties) (feet)	600 (21,847')	1,669 (55,255')	2,050 (67,495')
Backwater valve/surcharge protection (# of properties)	130	405	1,422
Private property internal disconnects (# of properties)	63	116	227
Sewer or storm laterals installed via separation (to property line) (# of properties)	0	95	95
Private property separation completed (# of properties)	34	50	50

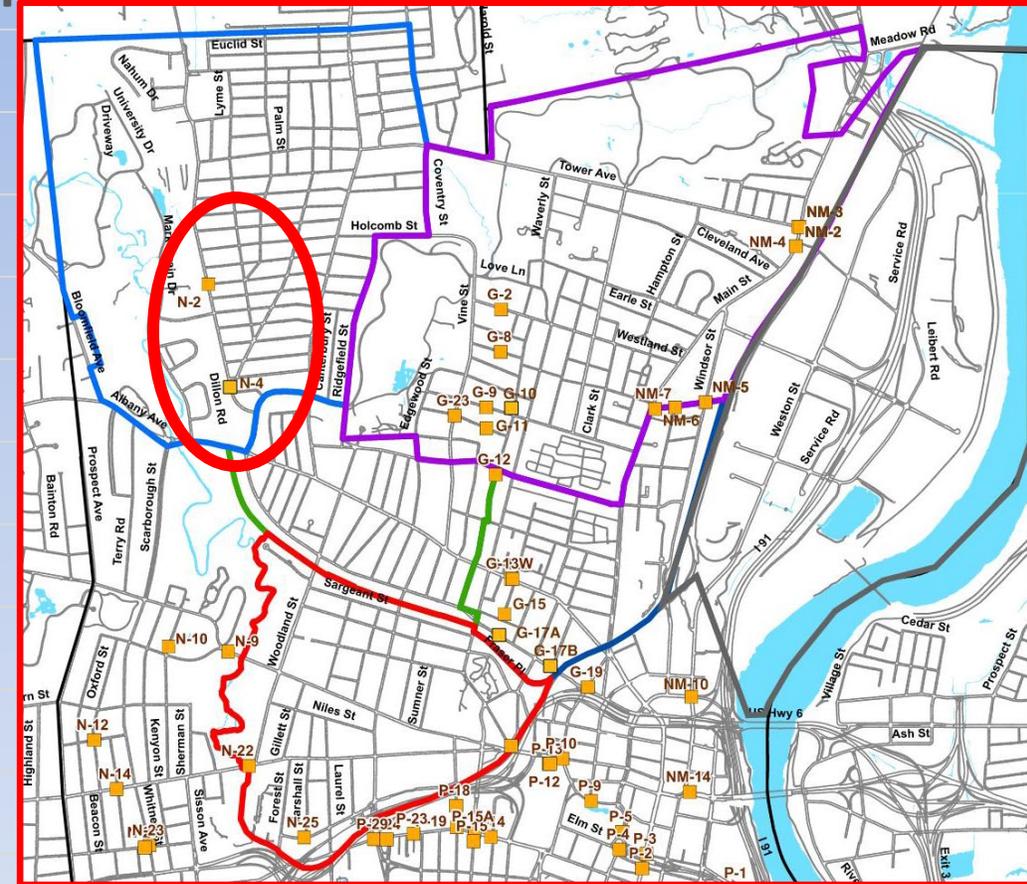
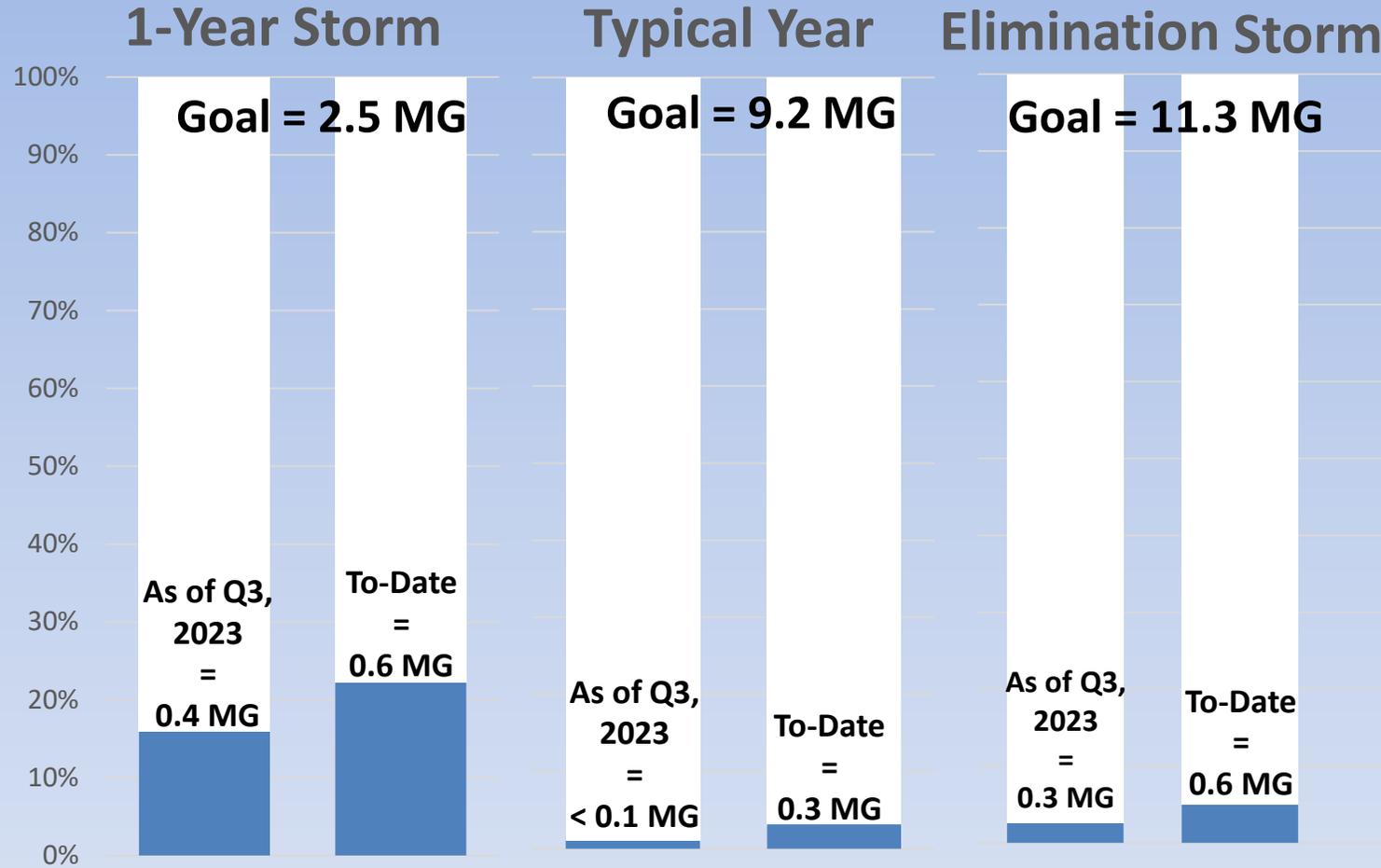
\*Work in all Member Towns, including North Hartford

# Status of Projects: Key Performance Indicators (North Hartford)

Key Performance Indicators	Q3 2024 (Jul 1 through Sep 30)	2024 Annual (Jan 1 through Sep 30)	Total To Date (since 2019)
Storm drains or sanitary sewers installed (feet)	0'	101'	9,232'
Sewer mains rehabilitated (feet) (miles)	25,753' (4.9)	35,927' (7.0)	73,796' (14.0)*
Sewer laterals inspected (# of properties)	1,282	1,900	2,323
Sewer laterals renewed (# of properties) (feet)	177 (7,345')	425 (16,380')	526 (20,945')
Backwater valve/surcharge protection (# of properties)	26	147	493
Private property internal disconnects (# of properties)	13	33	90
Sewer or storm laterals installed via separation (to property line) (# of properties)	0	95	95
Private property separation completed (# of properties)	34	50	50

\*Note that there is approximately 80 miles of sewer in North Hartford; therefore this is approximately 18% of the system<sup>21</sup>

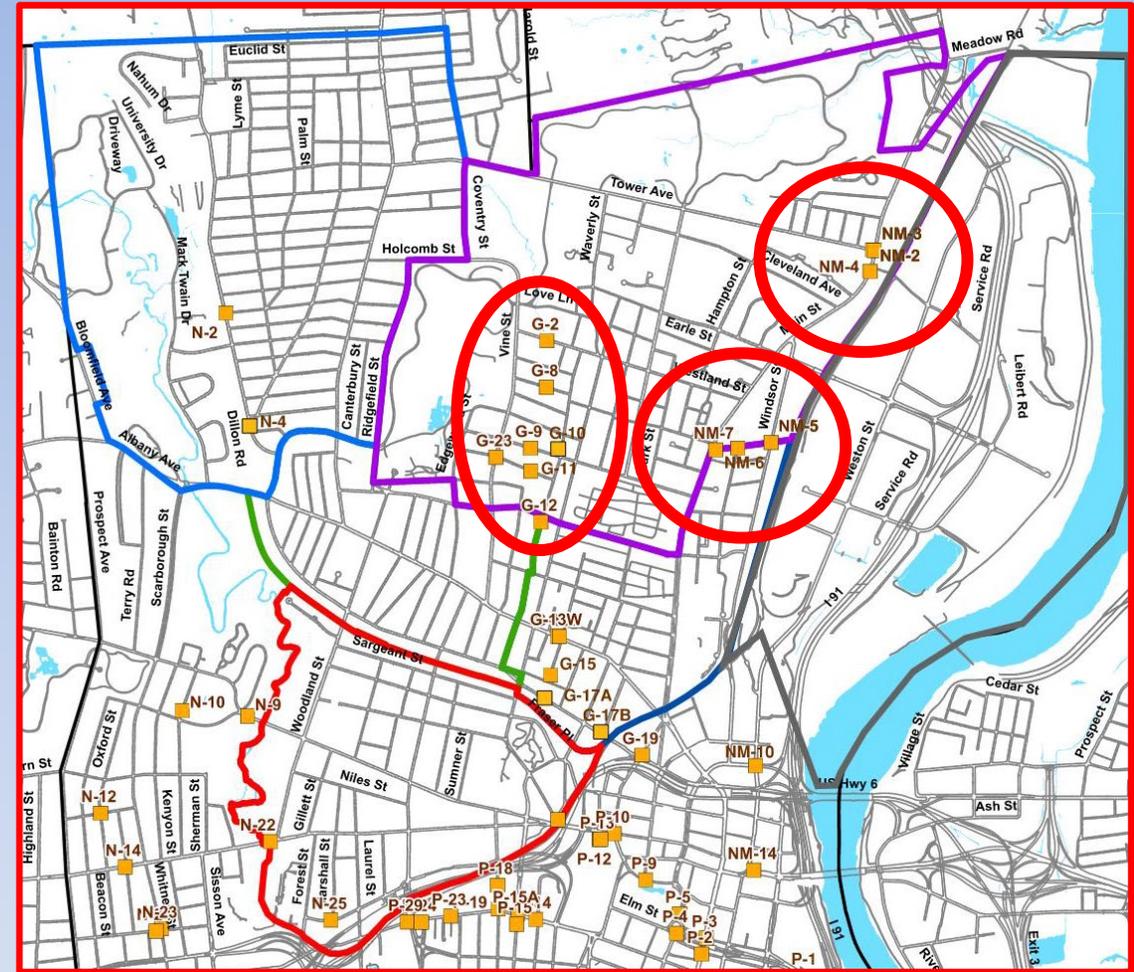
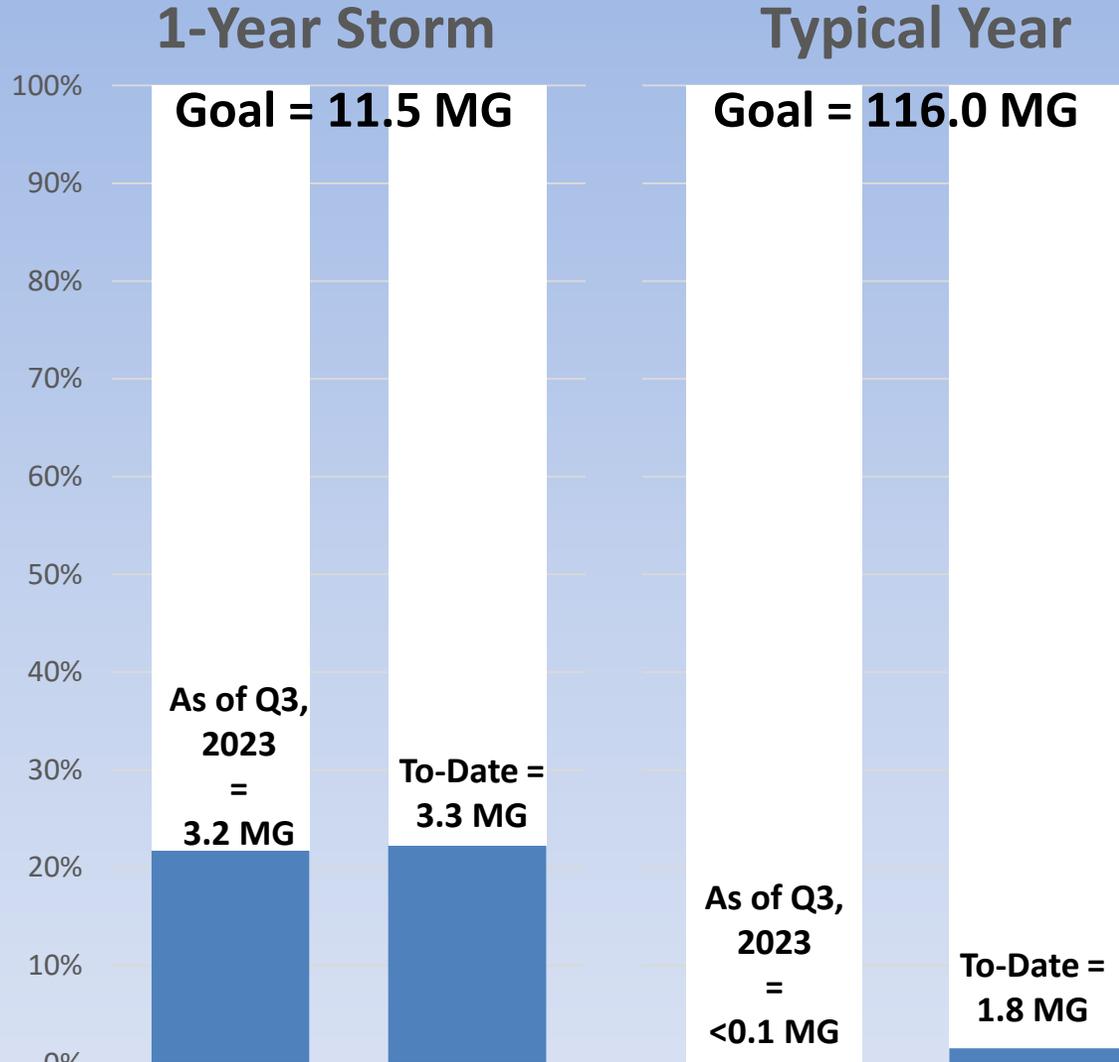
# Status of Projects: N-2 and N-4 CSO Reduction



## Notes:

1. Per the Consent Order, combined sewer overflows (CSOs) from N-2 and N-4 must be eliminated. Million gallon (MG) goals are per 2018 Integrated Plan.
2. Q3 2023 represents the start of work completed under current Consent Order

# Status of Projects: Gully Brook & North Meadows CSO Reduction



- Notes:**
- Per the Consent Order, combined sewer overflows (CSOs) Gully Brook and North Meadows must be controlled to the 1-year storm. Goal represents the total million gallons (MG) of CSO that occurs in a 1-year storm and typical year.
  - Q3 2023 represents the start of work completed under current Consent Order

# Community Outreach

*Keeping people informed who live and work in the communities where construction is taking place is a critical component to the success of our projects.*

- **Communication and Project Outreach**
  - On-going outreach is taking place for the House Connection (lateral lining) and Sewer Backup Prevention programs
  - Outreach is primarily conducted through mailings, door to door notifications and project meetings. Staff regularly attend local NRZ and Community Group Meetings as well.
  - View north Hartford projects and status: [www.themdc.org](http://www.themdc.org)
- **Outreach Office : 179 Barbour Street, Hartford**
  - The office is staffed Monday through Friday (M, W, F, 9:00 -1:00, Tu, 1:00-4:00, Th, 1:00-5:00)
  - The public is welcome to stop in for information on projects, schedules, and related activities.
  - Those interested in training and employment are either directed to our Contractor Career Development and Compliance team or to visit our website to view and/or apply for current MDC Job Openings at [www.themdc.org](http://www.themdc.org)



# MDC's Ongoing Support for Small, Minority, Women and Disadvantaged Businesses (SBE, MBE, WBE, DBE)

- CT Department of Administrative Services (DAS) SBE/MBE/WBE and SAM.gov Registration Clinic ◦ Collaboration with CT Apex Accelerator, National Association of Women in Construction (NAWIC), and University of Hartford
  - Continued support and guidance for contractors
  - Assisted with recertification applications and SAM.gov ID process
- Vendor and Contractor Relationship Building for Backwater Valve and House Connection Programs
  - Minority Construction Council Match Making Initiative: Aimed to create small businesses joint venture opportunities with MDC Prime Contractors
  - Ongoing efforts to support local DBE contractors: Improving buying power/credit with suppliers (FW Webb) and access to loans/credit through community banking (HEDCO)
  - Additional MDC training on Back Water Valve and House Connection Programs: Ensuring contractor adherence to installation standards

## CT Small/Minority Business Enterprise (S/MBE) Certification and SAM.gov Registration

### 2024 Hands-On Certification Clinics

**S/MBE certification helps companies build revenue and find potential new customers through growth and marketing opportunities.**

*Brought to you by Industry Partners*

Representatives from the state's Procurement Division and Connecticut APEX Accelerator will be onsite to review your applications for the S/MBE Certification and the SAM.gov registration (required for certification).

- Review your initial application
- Assist in updating your recertification application
- Answer your questions
- And more!

**Location:**  
The Metropolitan District (MDC) Training Center  
125 Maxim Road, Hartford, CT 06114

**Time:** 12:00 PM—2:00 PM

**2024 Clinic Schedule:** *Clinics are held on these Wednesdays:*

• January 17	• June 12
• February 28	• August 21
• March 20	• September 18
• April 17	• October 16
• May 15	• November 20

**Pre-Registration is Required to Attend.**

**EMAIL:** Kevin Nodwell at: [kevin.nodwell@ct.gov](mailto:kevin.nodwell@ct.gov).

Register to attend one clinic, or more, as needed. If you register and cannot make it, please cancel in advance.

LUNCH IS PROVIDED.  
NO COST TO ATTEND.  
SPACE IS LIMITED.



# MDC's Seeds of Partnership: Transforming Local Labor Recruitment

- MDC North Hartford Pilot Project: Community Partnership and Workforce Development Activities:
  - Greater Hartford African American Alliance (GHAAA) Meetings
  - Lincoln Technical Institute Electrical Apprenticeship Program Development Tour at the MDC Water Pollution Facility - July 2024
  - 4th Annual NAF Executive Career Panel at Pratt & Whitney - August 2024
  - University of Hartford Industry Appreciation Breakfast - August 2024
  - Weaver High School Credential Program First Meeting - August 2024
  - EGT Industry Advisory Board Retreat at Hartford Public High School - September 2024
  - Merrimack Careers in STEM Internship & Career Fair - September 2024
  - National Night Out Community Event - September 2024
  - Received national conference speaking opportunities
    - New England Water Environmental Association (NEWEA), Institute of Asset Management (IAM), Transformative Leadership Academy (TWLA)



# MDC's Seeds of Partnership: Transforming Local Labor Recruitment

- Partnership Development Highlights:
  - MDC Apprenticeship Program development for in-house electrician training
  - Partnership with Pratt & Whitney and ReadyCT for enhanced classroom experiences
  - New EGT IAB board members: Jeff King and Carlos Bravo
  - Formation of 3 new sub-committees for workplace learning, classroom experience, and industry integration at Hartford Public High School
- Workforce Development Initiatives:
  - Mock interviews and contractor screening at Outreach Office
  - Work-based Learning Portal advancement for summer employment opportunities
- Additional Partnership Programs:
  - Weaver Community Credentialing Program (19-week program)
  - Hartford Public High School EGT Program collaboration
  - Minority Construction Council (MCC) and American Rooter joint ventures
  - MDC Co-op Program expansion to Tri-State area engineering schools



**MDC**

**CONTACT INFORMATION**

- [themdc.org/careers/](https://themdc.org/careers/)
- 555 Main Street  
Hartford, CT 06103
- (860) 278-7850 x3268
- @MDCWater
- facebook.com/themetropolitandistrict
- @MDCHartford

The Metropolitan District's (MDC) Worked-based Learning Program is a paid internship program developed in partnership with various workforce development partners to help build a strong pipeline of knowledgeable workers into the water and wastewater industries.

**PARTNERSHIPS**

- CTECS
- Gateway Community College
- Urban League of Greater Hartford
- Greater Hartford African American Alliance

**MDC WORK-BASED LEARNING PROGRAM**

**PAID INTERNSHIP OPPORTUNITIES**

[themdc.org](https://themdc.org)

# MDC's Seeds of Partnership: Transforming Local Labor Recruitment

- Try a Trade Program Success:
  - MDC, CT Pre-Apprenticeship and CT DOT program expansion
  - 6 program graduates completed summer Work-Based Learning Program
  - 2 graduates transitioning to full-time MDC employment with Water Treatment and Wastewater Treatment Operator license training
  - Activated Work-Based Learning placements across MDC divisions:
    - Utility Services
    - Field Operations
    - Central Equipment Maintenance
    - Water Treatment Facility
    - Wastewater Pollution Facility
- Building on Program Success:
  - Program enhancement to enrich experience and career pathway at MDC
  - Implementing graduate tracking/mentoring for MDC contractor placement opportunities

**Try a TRADE**

**NOW OFFERING  
FULL SCHOLARSHIPS  
FOR HIGH SCHOOL SENIORS**

**PROGRAM DETAILS**  
DATES: April 8<sup>th</sup> - 12<sup>th</sup>, 2024  
TIME: 8:00 am - 2:30 pm  
LOCATION: MDC Training Center  
125 Maxim Road, Hartford, CT  
COST: FULL Scholarship for those that are accepted into the program.  
Transportation may be included.  
Space is limited - Apply Now! Scan the code or visit [CTPAHSTP.com](http://CTPAHSTP.com)

The best way to find out if you like something is to give it try!  
**Try a TRADE** is a one week hands on program to do just that! Join us as we explore several different and profitable career paths through hands on learning! Students will have the opportunity to earn several certificates as well as gain knowledge and a better understanding of each trade and how to apply. Instruction may include Fall Protection, Ladder Safety, Flagger Certification, Work Zone Safety, Fire Extinguisher Safety, Silica Awareness, Concrete Work, OSHA-10 Certification, CPR/AED/First Aid Certification, Hoisting and Rigging, etc. Participants will receive Personal Protective Equipment including a Hard Hat, Safety Glasses, Work Gloves and PPE bag.

- Metropolitan District Commission
- Electricians Union
- Operating Engineers Union
- Iron Workers Union
- Carpenters Union
- Laborers Union

This program is funded by:

**CONNECTICUT**  
Pre-Apprenticeship  
High School Training Program

**MDC**  
The Metropolitan District  
Hartford, Connecticut

# MDC's Partnership Metrics from Transforming Local Labor Recruitment

- 30% Hartford resident workforce goal
- Local Workforce and Contractor Development in the North End
  - 5 Hartford residents hired by MDC Contractors
    - Total To-Date: 16 Hartford residents
  - 1 Hartford contractor (MBE) awarded Backwater Valve Program contract
    - Total To-Date: 3 Hartford contractors
  - 4 Hartford residents long-term employment under new training/award initiative and work-based learning
    - Total To-Date: 9 Hartford residents
- Workforce Development Initiatives:
  - Expansion of annual Try-a-Trade Program
    - Summer Work-Based Learning success
    - Next steps on career advancement pathway
  - Work-based Learning Program advancement
    - Active placements across 5 MDC divisions
    - Graduate tracking/mentoring system development

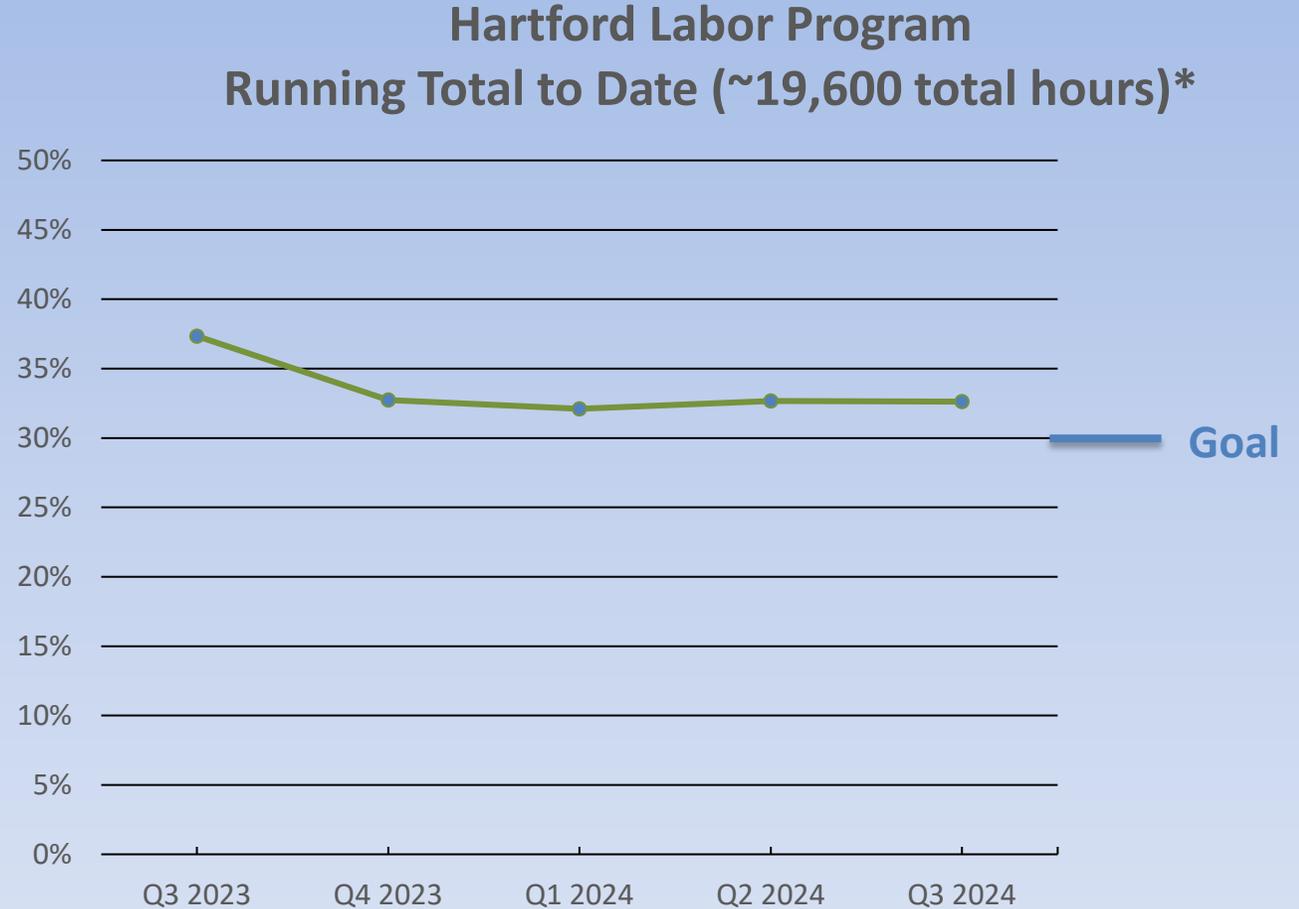
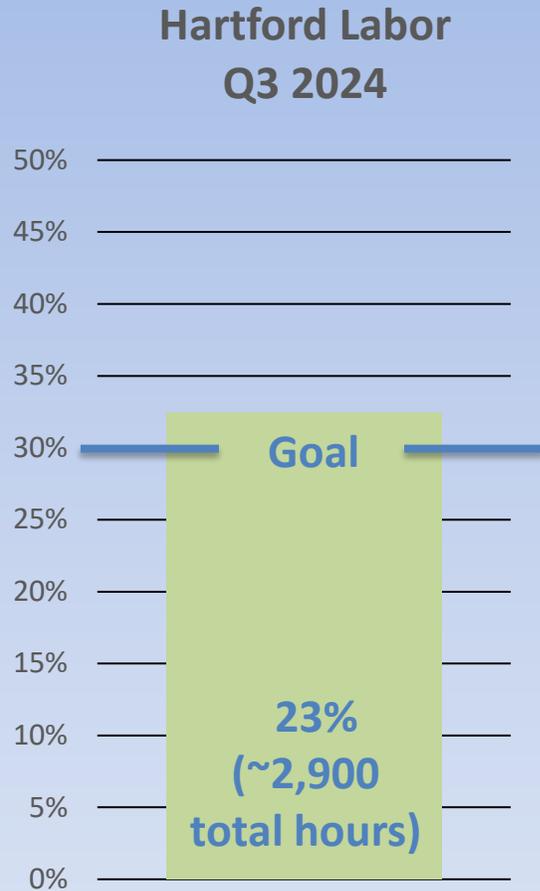


# MDC's Partnership Metrics from Transforming Local Labor Recruitment Continued....

- Workforce Development and Educational Partnerships:
  - Expanded collaboration with College Universities, Community Colleges, CTEC Schools, and Public High Schools across Hartford County
    - New: Weaver High School 19-week Credentialing Program
    - New: University of Hartford - Hursey Center for Advanced Engineering
  - Continued partnership with CT Pre-Apprenticeship, Laborers, Operators, Iron Workers, Electrical and Carpenter Unions – Future Training Programs
    - New: Lincoln Tech Electrical Career Pipeline Development
    - New: Concept for MDC In-house Electrician Apprenticeship Program
  - Expanded Co-op programs and workshops with local educational institutions
    - New: Tri-State area engineering schools expansion – Drexel University and Merrimack College
  - Expanded Outreach Program via construction tours, site visits, and job fairs
  - Expanded key partners: CT Pre-apprenticeship, Ready CT, DOT, Capital Workforce Partners, and EGT Pathway Schools
    - New Industry partner: Pratt & Whitney
    - New Weaver Program partners: Blue Hills Civic Association (BHCA), Goodwin University, Fresh Start Pallet Products, Connecticut State Colleges and Universities, Hartford Public Library



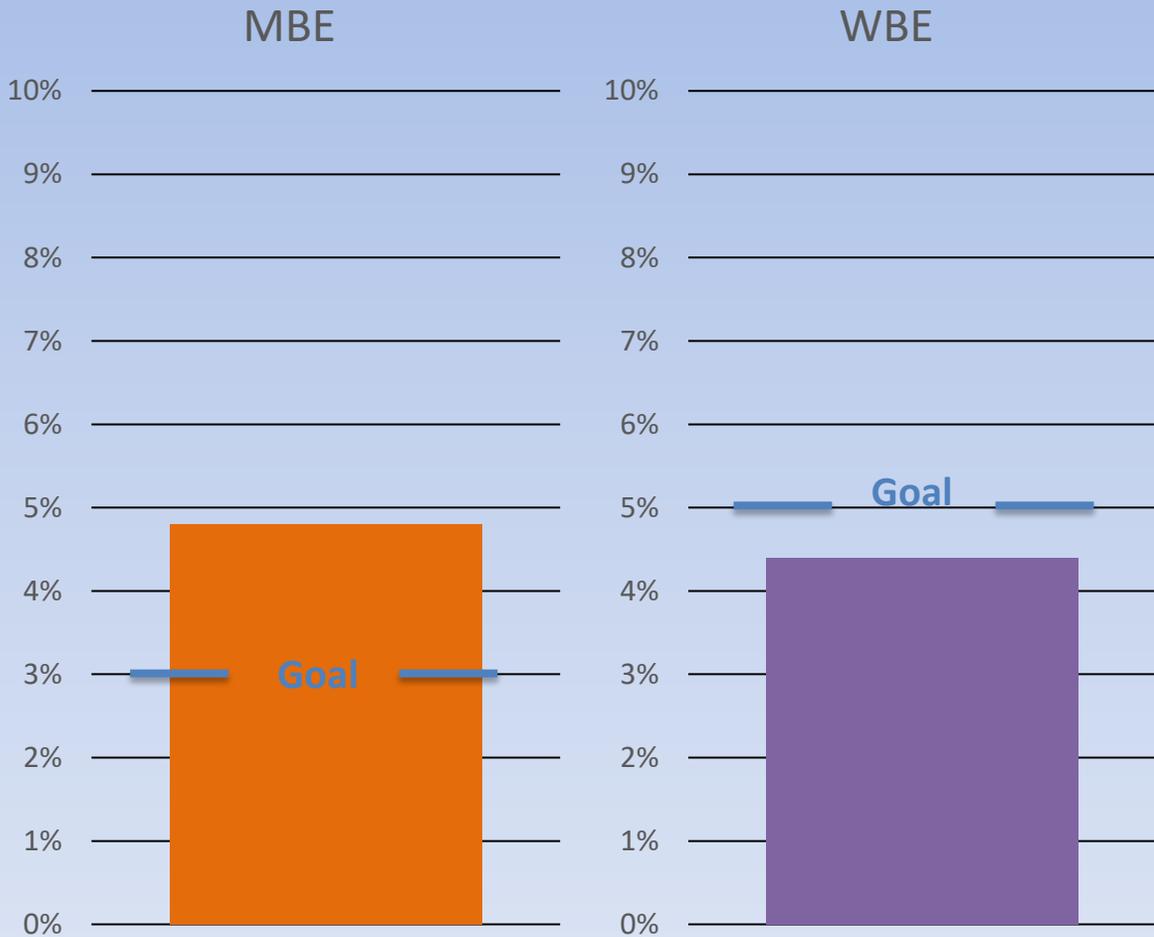
# Hartford Labor Status



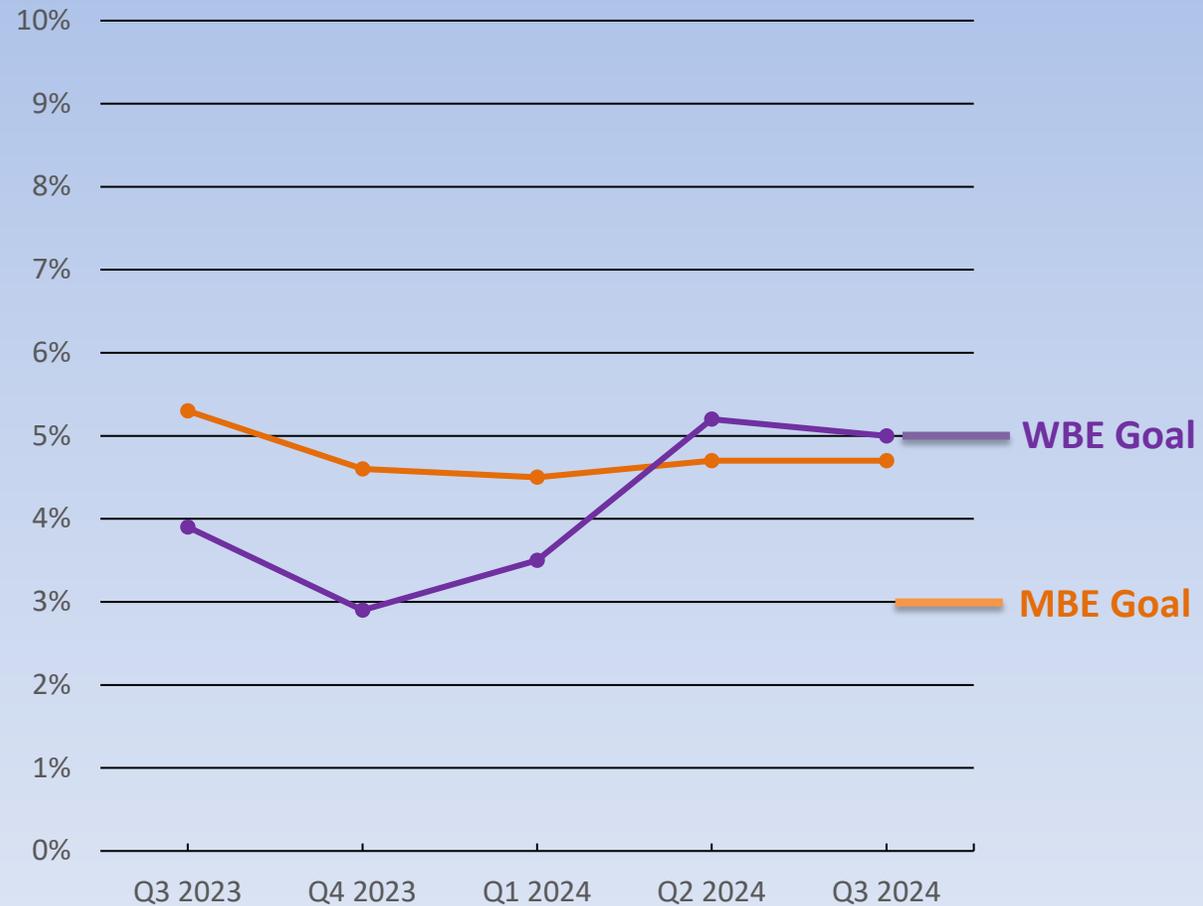
**Note\*:** Statistics are based on all Hartford Consent Order projects started after July 2023 under construction. 30% target based on similar City of Hartford goal on municipal projects.

# Minority/Women Business Enterprises Status

## MBE and WBE Q3 2024 (by \$)



## MBE and WBE Program To Date (by \$)\*



**Note\*:** Statistics are based on all Consent Order related projects under construction, beginning in July 2023.

MBE and WBE targets based on CT DEEP Clean Water Fund (CWF) goals



# Winter Work

- **Project Work Plans:**
  - All Integrated Plan (IP) project contractors plan to work, weather and temperature permitting.
- **Work Locations:**
  - Work is expected in the following North Hartford areas:
    - Westland/Garden Area
    - Large sewer rehabilitation project areas:
      - North Branch Park River
      - Gully Brook
      - North Meadows Area (5/6/7)
- **Holiday Schedule (Dec 23 – Jan 5):**
  - No digging work is planned.
  - Sewer cleaning and lining is being planned for non-MDC holidays.

# Closing Remarks

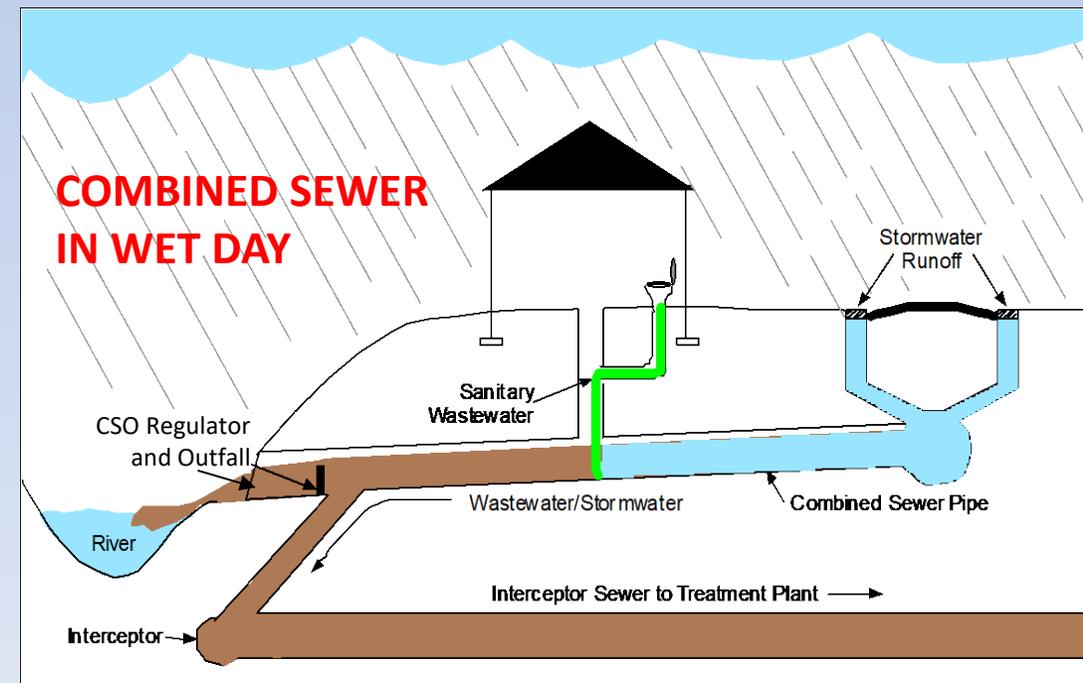
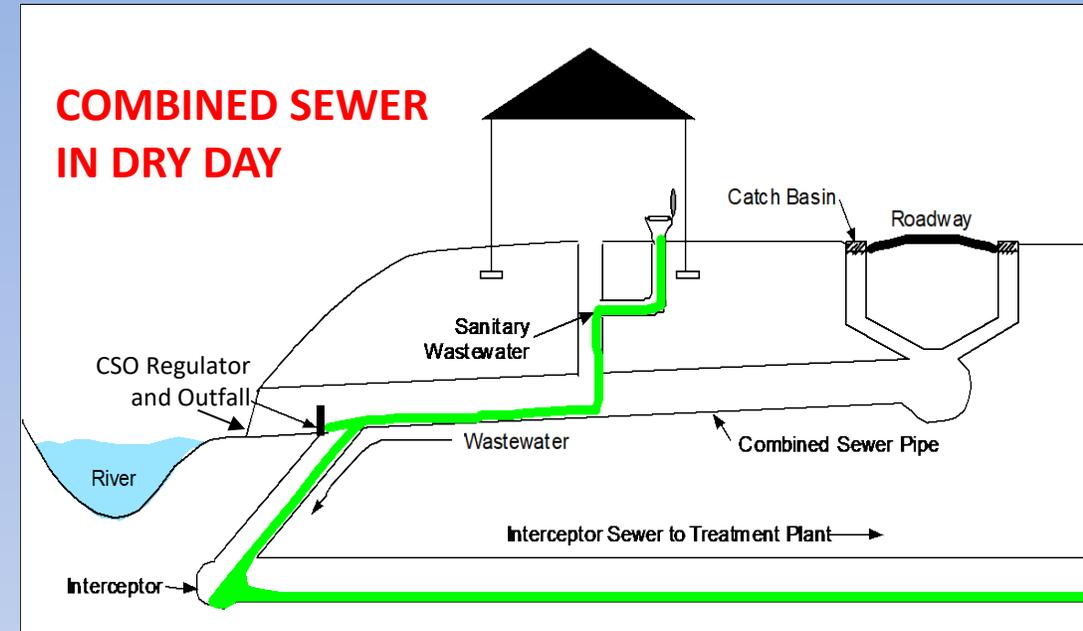
- Many ongoing initiatives and projects
- Many ways to **stay informed**
  - Visit - <https://themdc.org/north-hartford-sewer-improvement-projects/>
  - Via your local NRZ
- Quarterly Consent Order Meetings
  - Second Thursday of the months of March, June, September, and December
  - Each meeting will also be virtual
- Comments and Questions

# List of Acronyms

- AFSCME = American Federation of State, County and Municipal Employees
- AHNA = Asylum Hill Neighborhood Association
- BWV = Backwater Valve
- COH = City of Hartford
- CSO = Combined Sewer Overflow
- CT DEEP = Connecticut Department of Energy and Environmental Protection
- CWF = Clean Water Fund
- CWPC = Clean Water Project Charge
- DAS = Department of Administrative Services
- DBE = Disadvantaged Business Enterprise
- EPA = Environmental Protection Agency
- GHAAA = Greater Hartford African American Alliance
- GHFC = Greater Hartford Flood Commission
- IP/CSO LTCP = Integrated Plan/CSO Long-Term Control Plan
- MBE = Minority-Owned Business Enterprise
- MCC = Minority Construction Council
- MG = Million Gallons
- NAWIC = National Association of Women in Construction
- NBPR = North Branch Park River
- NGOs = Non-Government Organizations
- NRZs = Neighborhood Revitalization Zones
- PPID = Private Property Inflow Disconnect
- Q3 = Quarter 3 (ex. period from July 1, 2023 to September 30, 2023)
- RFP = Request for Proposal
- RFQ = Request for Qualifications
- ROW = right-of-way
- SBE = Small Business Enterprise
- SHCST = South Hartford Conveyance & Storage Tunnel
- SSES = Sanitary Sewer Evaluation Survey
- SSO = Sanitary Sewer Overflow
- WBE = Women-Owned Business Enterprise

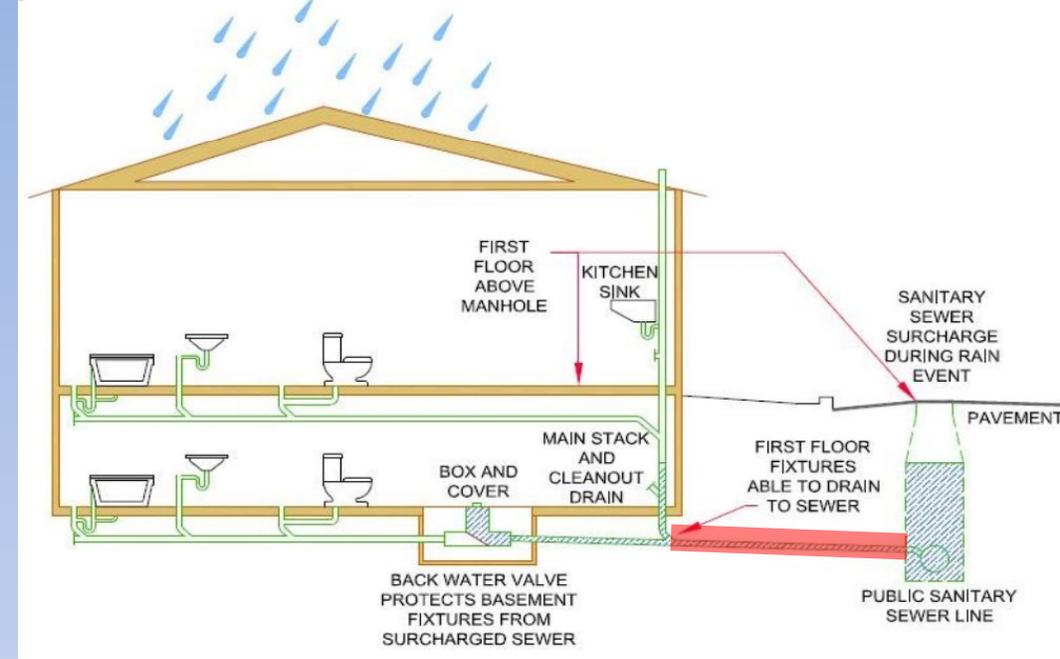
# Common Terms & Definitions

- **Separate/sanitary sewer**
  - pipe designed to only convey wastewater
  - how sewers are built now, all member towns except Hartford
- **Storm drain**
  - pipe designed to convey only stormwater
- **Combined sewer**
  - pipe designed to convey **both** sanitary and stormwater (including catch basins)
  - How sewers were built 100 years ago
  - Issues with Combined Sewers:
    - **Dry Day:** No issues, enough capacity for household sewage (toilet, showers, etc)
    - **Wet Day:** Stormwater enters sewer (example: through catch basins). The combined sewer becomes too full, causing overflows (CSOs) into streams/ivers



# Common Terms & Definitions

- **Lateral/House Connections**
  - Pipe (shown in red) connecting the wastewater from homes to the District's sewer main
- **Combined Sewer Overflow (CSO)**
  - condition that occurs when wet weather flows in a combined sewer system exceed the treatment capacity at the plant and/or in the pipes, causing it to discharge flow into typically a storm drain or river (via a CSO regulator and outfall)
    - Example: "N-2" and "N-4"
- **Sanitary Sewer Overflow (SSO)**
  - a condition that may occur due to blockage/clog in a pipe, broken infrastructure, or due to significant rainfall



# Common Terms & Definitions

- **1-Year Design Storm**
  - The historic event from October 1951 with a 24-hour depth of 2.4 inches and an average recurrence interval (ARI) of 1 year. This design storm has been used to control all CSO regulators except those that discharge to the North Branch Park River or Wethersfield Cove.
- **Typical Year**
  - The typical year evaluated had 42-inches of rain. The selection was agreed to by CT DEEP and followed the approach described by the USEPA's "Combined Sewer Overflows Guidance for Monitoring and Modeling" (USEPA, 1999), which includes analyzing individual storm event return periods, annual precipitation, and simulated CSO volume for each year in the historic record to find a representative typical year.
- **Elimination Storm**
  - Tropical Storm Tammy was adopted for CSO elimination alternatives analysis through correspondence with CT DEEP during the 2012/2014 LTCP Update. The event referred to in the LTCP as Tammy was a combination of the remnants of that storm in combination with Subtropical Depression Twenty-Two. From October 7 to 15, 2005, 13 inches of rain fell at Bradley Airport. The heaviest rain fell on the 8th and the 9th and from the 14th to the 15th, with 5.0 and 5.8 inches falling over respective 24-hour periods