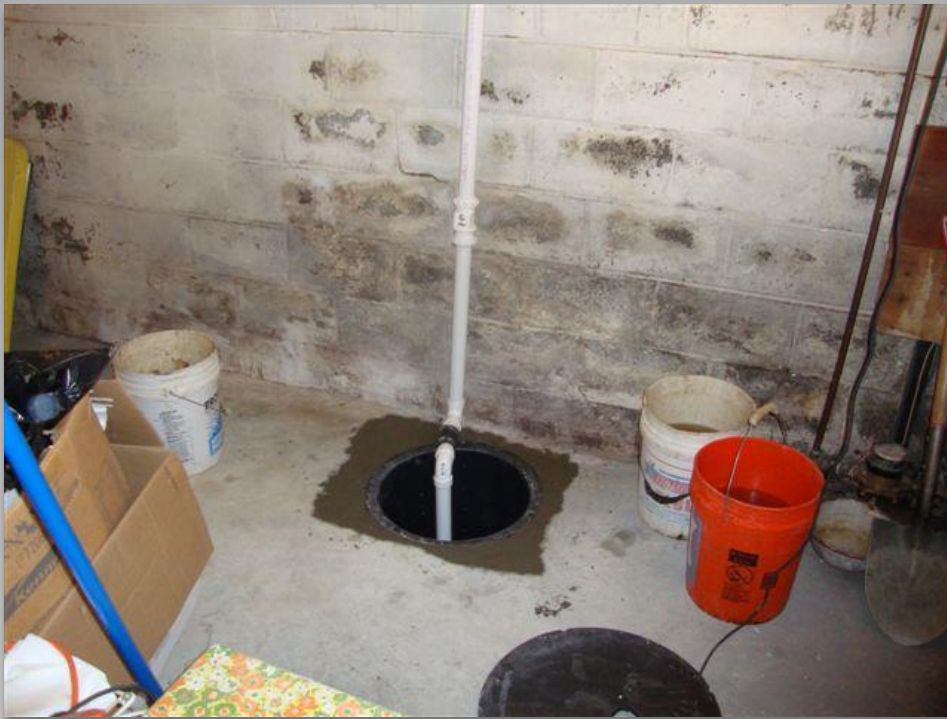


Greenhurst Road Area Sanitary Sewer Improvements

Outreach Meeting

November 16, 2015



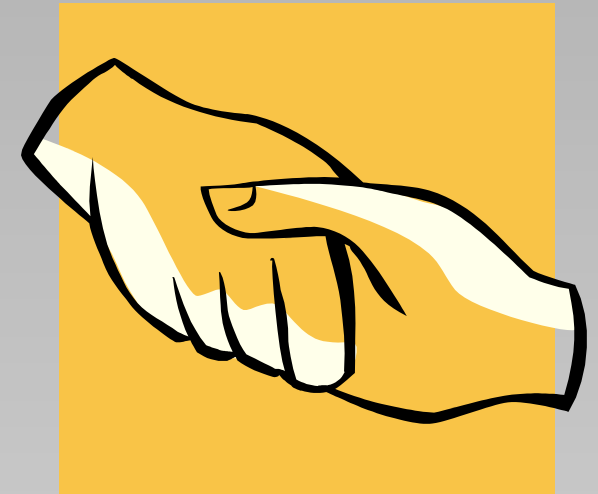
Agenda

- Welcome
 - Introductions
- Overview
 - Purpose of today's meeting
- Presentation
 - Design & construction information
- Discussion
 - Questions and answers
- Summary



Introductions

- MDC Design & Construction Staff
- Contractor Staff
- Outreach & Communication Staff
- Team Traffic Staff
- Town of West Hartford Personnel
- Others



Purpose of Today's Meeting

➤ Provide information on the project

Contract 2011-63

Sanitary Sewer Improvements
Greenhurst Road Area

- Sewer pipe replacement
- New sump pumps and private drain services to Town drain system

➤ Discuss your needs and concerns relative to the construction



Sanitary Sewer Improvements – Greenhurst Road Area

General Project Plan – Sewer Replacement & Inflow Removal



Legend

- Project Boundary
- Confirmed Building Connection To Sanitary Sewer
- Existing Sewer Pipe
- Existing Sewer Manhole
- Existing Drain Pipe
- Existing Drain Manhole or Catch Basin
- Sewer Main and Service Lateral Replacement
- - - Sewer Service Lateral CIPP
- CIPP Sewer Main
- Mainline Drain Extension
- - - Proposed Collector Drain and Private Drain Service

Sanitary Sewer Improvements – Greenhurst Road Area

General Project Plan – Sewer Rehabilitation



Legend	
	Project Boundary
	Existing Sewer Pipe
	Confirmed Building Connection To Sanitary Sewer
	Existing Sewer Manhole
	Existing Drain Pipe
	Existing Drain Manhole or Catch Basin
	Sewer Main and Service Lateral Replacement
	Sewer Main Cured-in-Place Pipe (CIPP) Lining



Metropolitan District
 Sanitary Sewer Improvements
 Greenhurst Road Area
 Sewer System Rehabilitation
 November 2015

The Clean Water Project (CWP)

- ▶ The CWP is the MDC’s Response to:
 1. **Consent Order** from CT DEEP to address combined sewer overflows (CSO)
 2. **Consent Decree** from EPA to address sanitary sewer overflows (SSO)
- Multiphase program that will take 20 years to complete
- Project Goals:
 1. Reduce the CSOs to streams/rivers
 2. Eliminate CSO outfalls to Wethersfield Cove & North Branch Park River
 3. Reduce Nitrogen discharged to CT River
 4. Address sanitary sewer overflows (SSOs) outside of Hartford



The Clean Water Project (CWP)

➤ MDC SSO Program

- Compliance with 2006 Consent Decree
- Initial phases included:
 - Data Collection
 - Sewer Modeling & Development of Planning Documents
 - Sanitary Sewer Repair/Rehabilitation



The Clean Water Project (CWP)

➤ WHAT ARE INFLOW AND INFILTRATION?

- Inflow: Clean water that enters the sewer system through direct connections from roof leaders, yard/area drains and sump pumps.
- Infiltration: Clean water that enters the sewer system from the ground through means which include pipe joints and service connections & manholes.
- West Hartford Dry weather flows are 8 million gallons/day
- West Hartford Wet weather flows can get up to 69 million gallons/day – 8 x as much



The Clean Water Project (CWP)

➤ MDC SSO Program In West Hartford

- Data Collection:
 - 35 flow meters to collect sewer flow information
 - Smoke tested and TV inspected 83 miles
 - Flow isolated 132 miles
 - 3,800 manhole inspections
 - 3,500 building inspections



The Clean Water Project (CWP)

- MDC SSO Program In West Hartford (Cont.)
 - Projects Completed to Date:
 - Rehabilitation/Repair of 64 miles of sanitary sewers
 - Rehabilitation/Repair of 1660 sanitary sewer manholes
 - Development of Master Plan for SSO Elimination



The Clean Water Project (CWP)

➤ MDC SSO Program In West Hartford (Cont.)

- Upcoming Projects:

- I/I removal program, elimination of SSOs, construction of relief sewers, and ongoing rehabilitation of antiquated pipes.
 - Additional Mainline Sewer Rehabilitation
 - Targeted I/I Removal (i.e. Greenhurst Road Area)



The Clean Water Project (CWP)

➤ Greenhurst Road Area (History)

- Area of Localized Capacity Issues
 - Excessive Levels of I/I (Metering)
 - Building Inspections Completed
 - Design Completed



The Clean Water Project (CWP)

➤ Greenhurst Rd Area Building Inspection Results:

- 201 Attempted Inspections of 232 buildings in project area
- 99 Confirmed Building Connections to Sanitary Sewer (49%)
- 80 Buildings w/ No Confirmed Sources (40%)
- 22 Refusals (11%)



Sanitary Sewer Improvements – Greenhurst Road Area

Building Inspection Results



Legend	
■	Confirmed Building Connection To Sanitary Sewer
■	Suspected Building Connection To Sanitary Sewer
■	Building Inspection Completed - No Sources
■	Building Inspection - Refused
■	Building Inspection - Not Home

0 75 150 300 Feet
1 inch = 150 feet



Metropolitan District Commission
Building Inspection Summary Map
Greenhurst Road Area
November 2015

The Clean Water Project (CWP)

➤ Greenhurst Road Area

- Multi-Phased Approach to Address Sewer Surcharging
 - Phase I – Increase sanitary sewer size on Greenhurst Road & removal of inflow connections along route
 - Phase II – Complete sewer lining and repairs
 - Phase III – Remove private property storm water and groundwater & install storm laterals and drain piping.



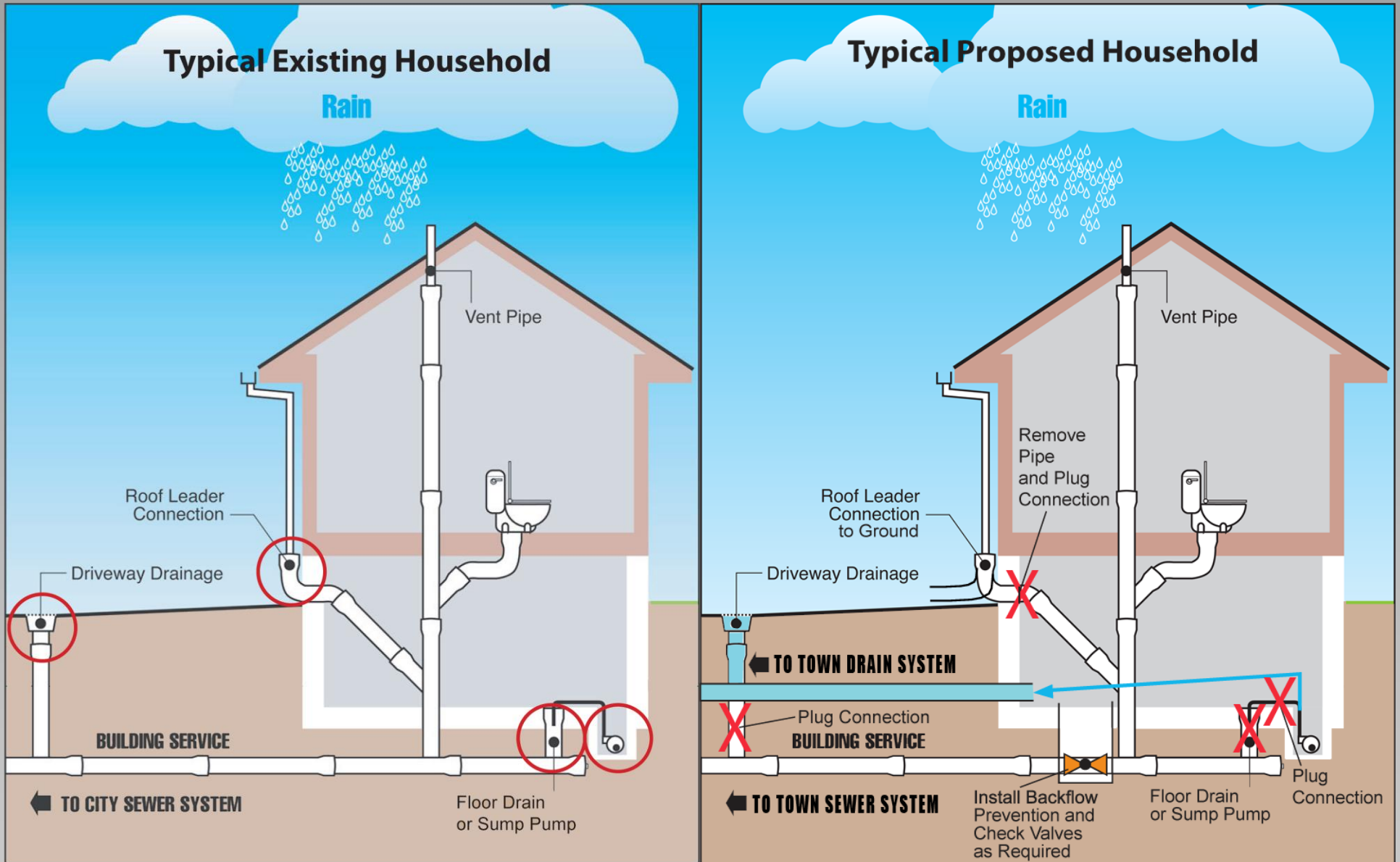
The Clean Water Project (CWP)

➤ Greenhurst Road Area

- Anticipated Construction Schedule
 - Water Service Renewals: October 2015 through Spring 2016
 - Private Property Building Inspections With Contractor: December 2015 through February 2016
 - Collector Drain Installation: December 2015 through TBD (weather dependent)
 - Private property inflow removal: Spring & Summer 2016
 - Sewer Replacement/Rehabilitation: Spring & Summer 2016
 - Final Restoration: Fall 2016



Private Property Disconnection



Private Property Inflow Removal



Property Restoration

- ▶ May include:
 - Tree/shrub re-planting
 - Lawn reseeding
 - Fence reinstallation
 - Sidewalk or walkway repair
 - Driveway repair



Traffic Flow During Construction

- Work in Roadway- traffic is shifted to drive around the work zone
- Lane Closed – lane reduction, alternating one way or follow detour
- Road Closed – local traffic only, follow detour
- Sidewalk Closed



Sanitary Sewer Improvements – Greenhurst Road Area



Would you like to know where and when MDC Clean Water Crews and Contractors will be working?

Would you like to avoid construction related traffic?

The MDC has developed some on-line tools that will help you to stay informed. Just visit themdc.com

Construction Traffic Information
All businesses are open during construction.

This map provides information on current roadwork activity for the Metropolitan District's (MDC) projects. The information is provided for general information purposes only, and actual lane closures may vary. Traffic alerts of road and lane closures are indicated for daytime construction hours, typically between 7 AM and 5 PM. For more information, click a construction icon. Roads will be restored to regular operations during non-construction work hours (unless noted otherwise).

Visit themdc.com for more information on the MDC and the [Clean Water Projects](#).
For specific project or traffic advisory information call 860-270-7050 x2600.

February 2012

S	M	T	W	Th	F	Sa
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	1	2	3

Search by Address: Go

Search by Town: All Towns

Legend:

- Road Closed
- Lane Closed
- Work in Roadway
- Utility Work by Others
- Paving
- Night Work

Do you Tweet? So do we.



East Hartford / Friday 2/10 - Repair work on Pitkin St. near Main St to continue this morning until noon.
Hartford, 2/16- The left turn restrictions from Wethersfield Avenue, Ashford and Essex will NOT be resumed today.

Follow construction activity and emergency repairs on Twitter.



MDC The Metropolitan District
Hartford, Connecticut

Home | SiteMap | About Us

News & Events | Clean Water Project | District Board / District Clerk | Drinking Water | Waste Water | Customer Service | Recreation | Departments

Search ACC:

Pay Your Water Bill Online

Small Local Business Enterprise Program

Clean Water Project

TRAFFIC ALERT!

February 2012

S	M	T	W	Th	F	Sa
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	1	2	3

Search by Address: Go

Search by Town: All Towns

Click on construction icons to get work hours and detour information.

Granby Street

Lane Closure between Rutledge Street and Westminster Street
From: 2/13/2012 to 2/19/2012, 7AM - 5:30PM
No inbound lane closed. Follow detour route.

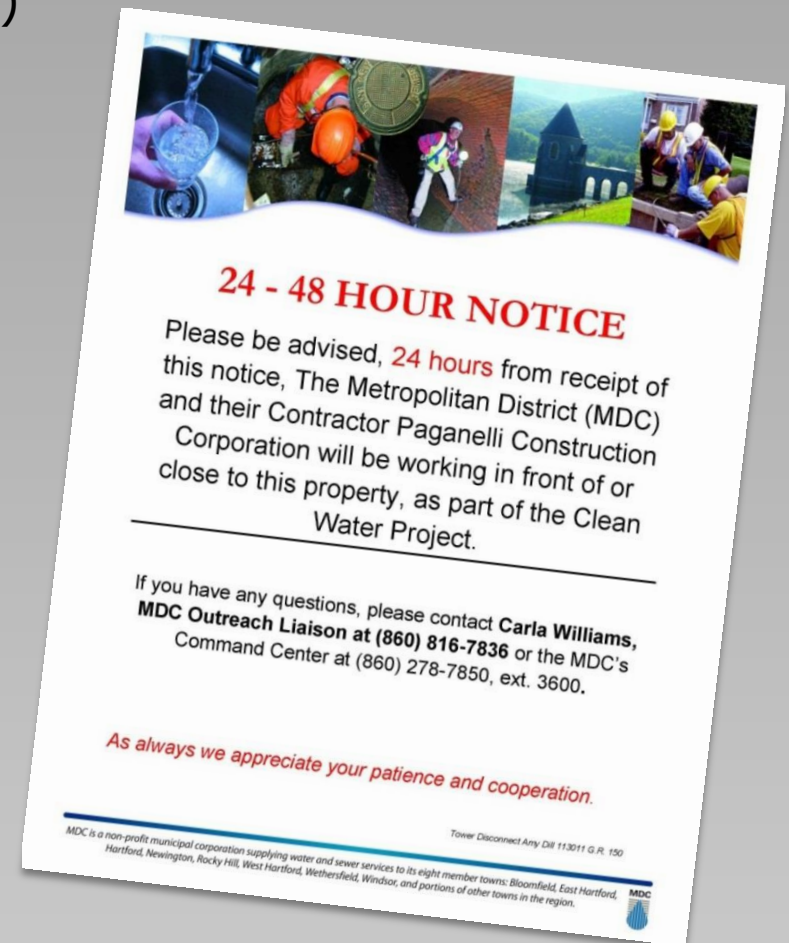
Search for construction activity by location and day.



How to Stay Informed!

Meetings & Outreach:

- Outreach Meetings (Pre-construction and during)
 - Solicit input early, incorporate needs
- MDC Construction Manager
Mike Retzky
617-799-8837
- **See Meeting Handout**



Notices and Forms

FRANKLIN AVENUE AREA PROJECTS

Please join us for an informational exchange regarding the work planned for this spring in your neighborhood for the Franklin Avenue Area Projects.

We understand that these actions may impact your daily activities so keeping YOU informed is an essential component to the success of our work.

We encourage you to attend the meeting to share your comments and ideas, meet the project managers and learn about the work planned in your neighborhood.

Hope to see YOU there.

Clean Water Project
the choice is clear
Notice

Project Outreach Meeting

Date: March 28, 2012 Time: 9:00 AM

Location: Southend Wellness Senior Center
830 Maple Avenue, Hartford
3rd Floor

Contact: Luis Colon, Outreach Liaison
Outreach Office location: 499 Franklin Ave
(860) 296-7094
Greg Robertson of the MDC 278.7850 ext.3418

MDC
www.themdc.com

MDC is a non-profit municipal corporation supplying water and sewer services to its eight member towns: Bloomfield, East Hartford, Hartford, Newington, Rocky Hill, West Hartford, Wethersfield, Windsor, and portions of other towns in the region.

- Informational Flyers
- Meeting Invitations
- Construction Update Notices
- Permission Forms

PERMISSION TO ENTER PRIVATE PROPERTY AND SEPARATE PLUMBING

This Agreement dated this _____ day of _____, 20____, by and between The Metropolitan District a specially chartered municipal corporation hereinafter referred to as "District", and _____ hereinafter referred to as "Owner" of property located at _____

WITNESSETH, that whereas the property concerned herein is to be improved by the District, and whereas the District has provided or will provide such separate sewer and a separate public STORM DRAIN in _____ Hartford, Connecticut, and

WHEREAS, the providing of separate systems for storm collection will require the installation of new service lines from collection pipes in the street as well as separation of certain pipes in the building(s) located at _____

The Metropolitan District
333 Main Street - First Office Box 900 - Hartford, Connecticut 06102-0900 - (860) 278-7000 - Fax: (860) 278-2679
An Affirmative Action and Equal Opportunity Employer

PLUMBING IMPROVEMENT RELEASE AND ACKNOWLEDGEMENT

This release and acknowledgment executed this _____ day of _____, 20____, by _____ hereinafter individually and/or collectively referred to as the "Owner", owner of real property and improvements thereon located at _____ (hereinafter referred to as the "Property") provides as follows:

WHEREAS, the Property is located in that part of The Metropolitan District ("District") previously served by a combined sanitary and storm drainage sewer system ("Combined Sewers"), and

WHEREAS, within the sewer system in areas sewered by Combined Sewers, the District has reorganized and/or reconstructed the sewers so that sanitary sewage and storm drainage are separated into two systems of sewers independent of each other, and

WHEREAS, the District has provided separate public sanitary sewer and separate public storm drain within _____ Hartford, Connecticut, and

WHEREAS, in order to provide separate systems of plumbing and sewer house connections to serve House # _____ Lot # _____ on _____ the existing interior plumbing and house connections must be rearranged or reconstructed in accordance with District Contract No. _____ Titled _____ ("Contract").

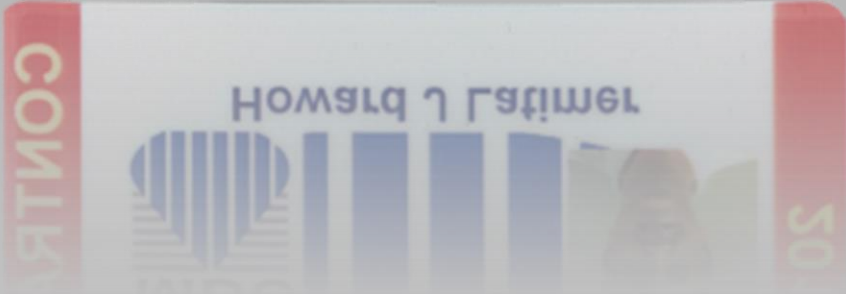
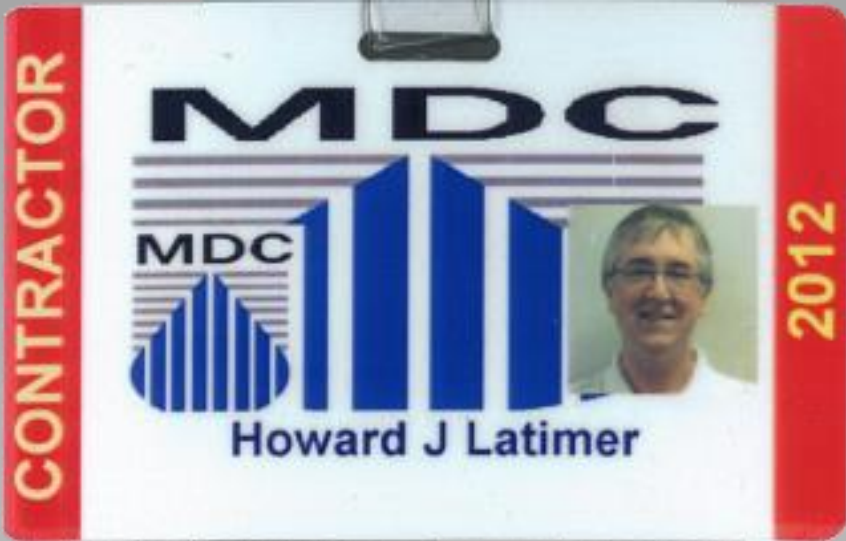
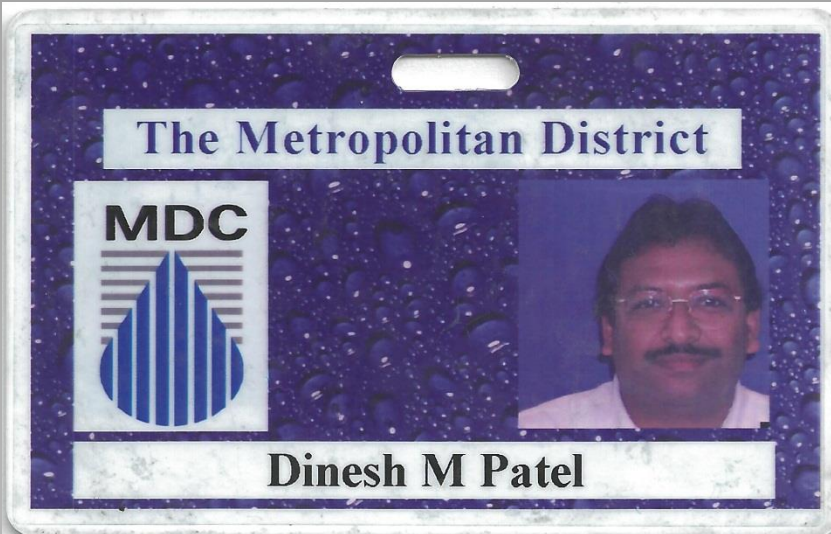
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PERMISSION TO ENTER PRIVATE PROPERTY

I, _____ hereby authorize _____ hereinafter individually and/or collectively referred to as the "Owner", owner of real property and improvements thereon located at _____ (hereinafter referred to as the "Property") to permit _____ hereinafter individually and/or collectively referred to as the "District", specially chartered municipal corporation, hereinafter referred to as the "District", to enter the Property in order to fully separate storm and sanitary sewers and to install separate sewer systems which will require the installation of new service lines from collection pipes in the street as well as separation of certain pipes in the building(s) located at _____

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333 Main Street - First Office Box 900 - Hartford, Connecticut 06102-0900 - (860) 278-7000 - Fax: (860) 278-2679
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Identifying MDC & Contractors



Thank you for joining us today.

Discussion and Questions?

Please remember to sign in or leave your business card.