

# Town of Stoneham

Override Presentation

July 29, 2025

## STONEHAM



## PUBLIC WORKS

Presented By:

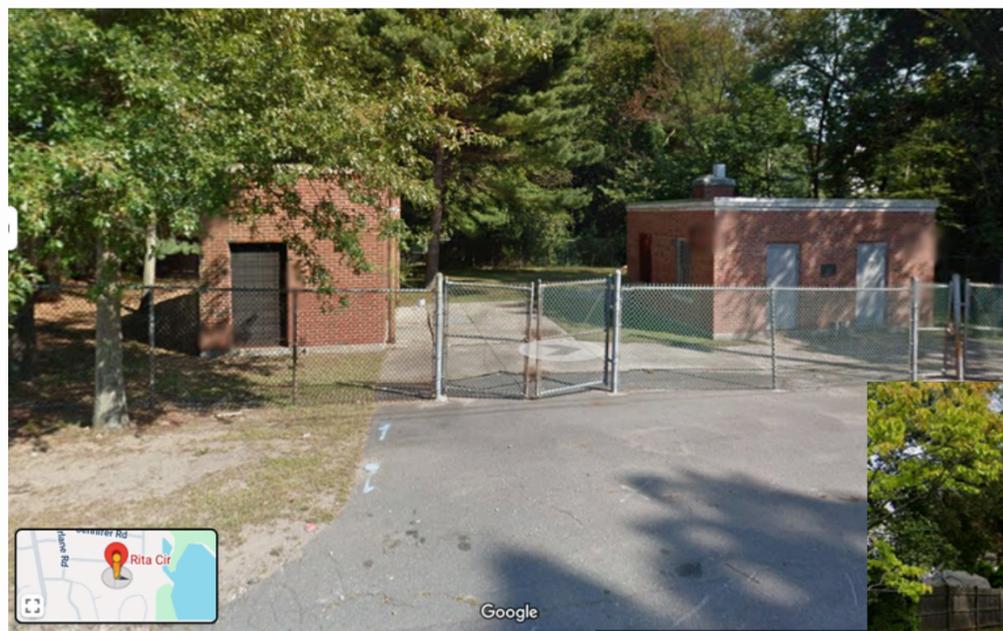
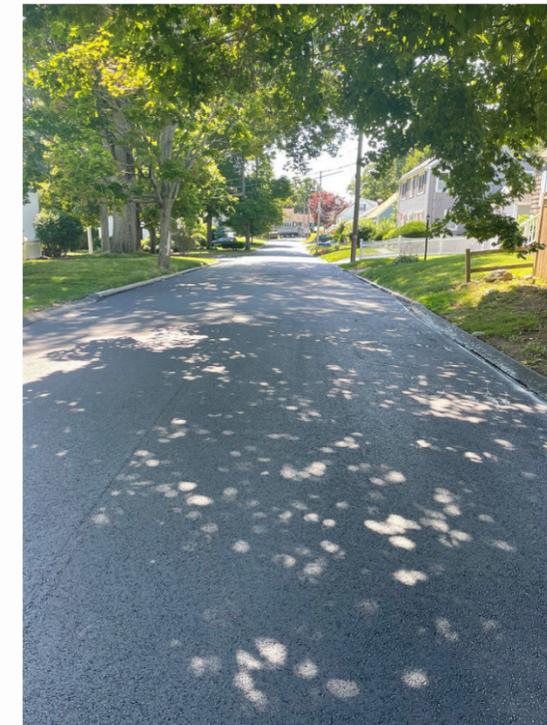
**Brett F. Gonsalves**  
Director of Public Works

**PUBLIC WORKS**

**FIRST RESPONDER**

# Demographics

- Approximately 80 miles of roadways
- 60 Miles of sidewalks (32 asphalt, 28 concrete)
- Approx 75 miles of water main
- 6,100 water service connections
- Approximatley 75 miles of sewer mains
- approximatly 6,000 sewer service connections
- 5 sewer pump stations



Rita Rd & Upland Rd  
Sewer Pump Stations

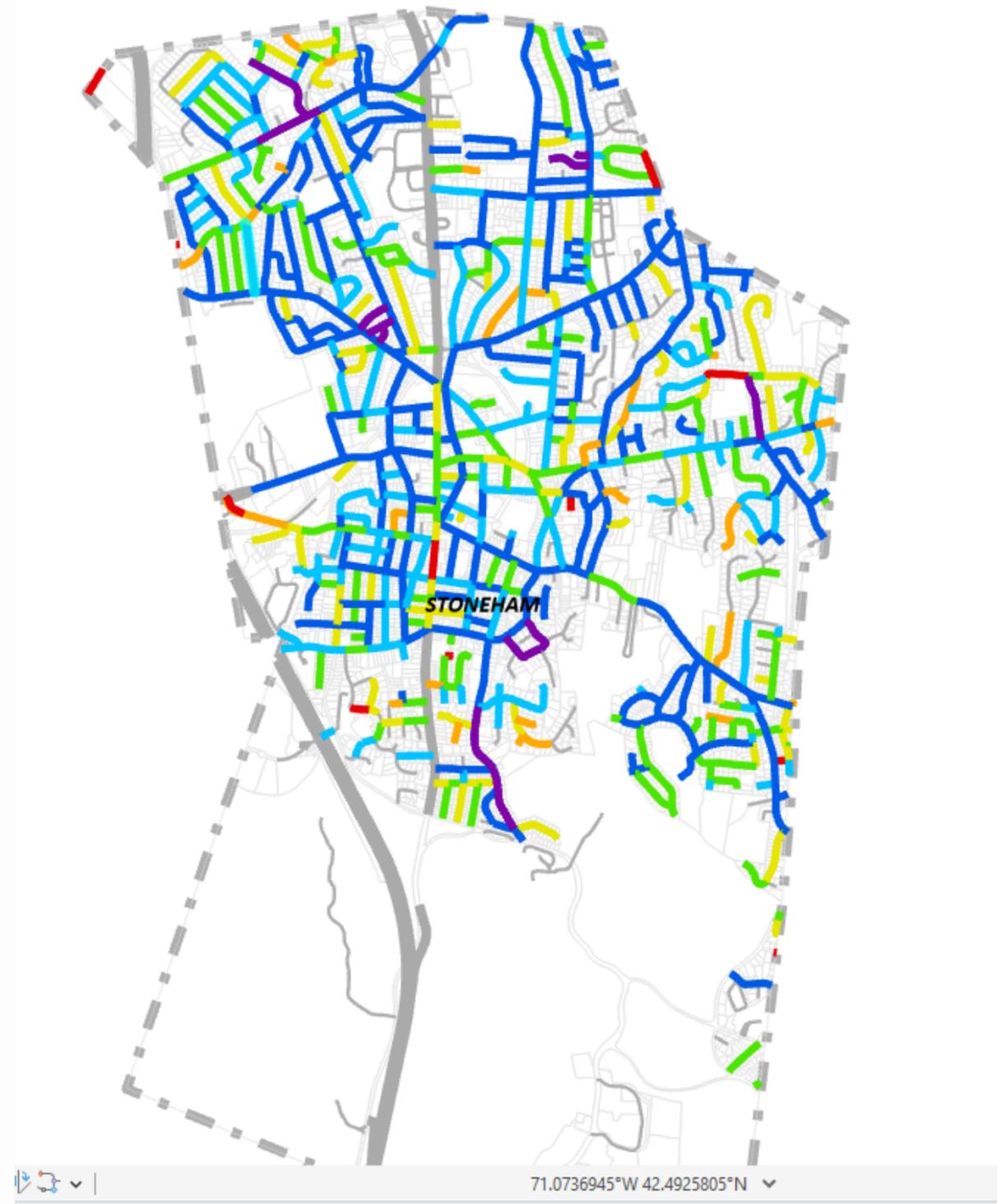
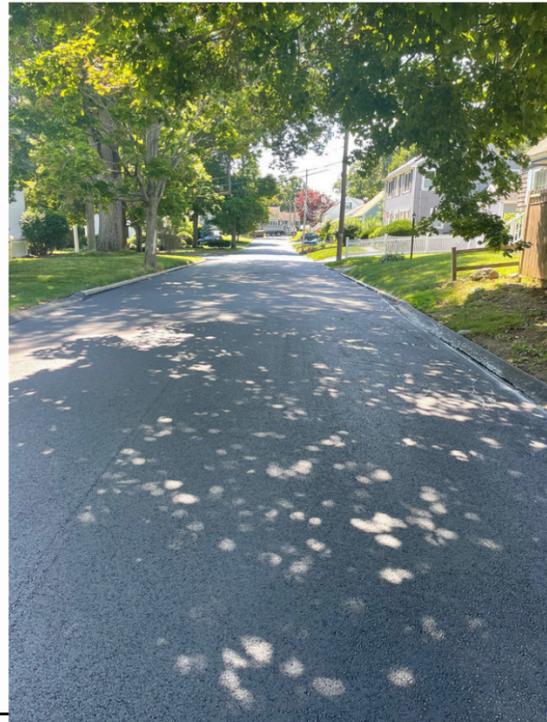


# Demographics

- **Approximately 800 Fire hydrants**
- **Approximately 1,800 catch basins**
- **66 drainage outfalls that need to be monitored**



# Pavement Preservation



# Pavement Preservation



Milling and Paving



Pothole Repairs



Installing Asphalt Berm

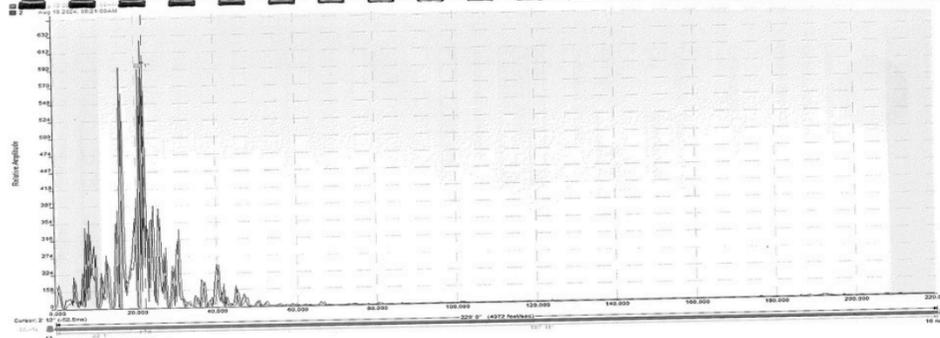
# Infrastructure Improvements

Sidewalk, Water Main Improvements, Lead Service Line Removal



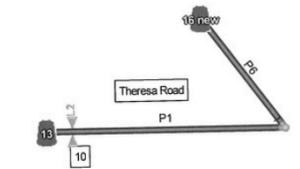
# Saving Time and Money

Final Report  
Town of Stoneham, MA  
2024 Leak Correlation Survey



Pipe ID	Length	Diameter	Material	Sound Velocity
P1	200' 0"	6"	Cast Iron	4072 feet/sec
P6	20' 0"	6"	Cast Iron	4072 feet/sec

Leak ID	Leak Position	Correlation Between	Confidence	Recording Time
L1	22' 1" from 13	13 → 16 new	88.4%	Aug 19 2024, 08:16:00AM
L2	21' 8" from 13	13 → 16 new	88.7%	Aug 19 2024, 08:21:00AM



Printed Aug 21 2024, 04:50:51PM, Recorded Aug 19 2024, 08:16:00AM  
C:\My Documents\SoundSens\Stoneham 24\leak check test 10 Barbara Road Theresa Road.asd

**HWM SoundSens**  
Leak Localisation & Correlator

Liston Utility Services  
19 Mauriello Drive  
Stoneham, MA 02180-2775  
Phone: 781.635.7711  
WWW.LISTONUTILITYSERVICES.COM



**Town purchased leak detection equipment**  
helps reduce unaccounted water use

# Winter Operations



2024-2025

17 pieces of Town Equipment  
24 Pieces of Private Equipment

Town Should Have Between  
35 to 40 Pieces of  
Private Equipment to Be Effective

# Challenges

## Aging Equipment

**Truck 10 - 2012 Freightliner**

**Truck 23 - 2014 Freightliner**

**Truck 57 - 2006 Chevy Van (out of service)**

**Truck 15 - 2008 Ford Pickup**

**Truck 24 - 2010 Chevy Dump Truck (out of service) - Auctioned**

**Truck 28 - 2011 Chevy Dump Truck (out of service) - Auctioned**

**Truck 11 - 2012 Ford Pickup (out of service)**

**Vehicles needs be replaced every 10 years  
to avoid costly maintenance repairs**



# Challenges

## Aging Equipment

The town has 20 pieces of equipment that are at 10 years and some that are over that should be in the queue for replacement

Several pieces are 15 to 20 years old



DPW maintains approximately 80 pieces of equipment (DPW, Police, School, COA)

Vehicle Number	Description	Vehicle Identification Number	Registration Number	G.V.W.	Fuel Key	Radi	CONDITION	Vehicle Type	Date Purchase
21	14 Freightliner Sewer Cleaner	1FVACYCY2EHFL9490	M89-872	32,000	D	YES		Speciality Large Trucks	7/1/2013
23	14 Freightliner SD (with Box)	1FVAG5CY3EHFU5107	M91-183	37,600	D	YES		Large Trucks	3/28/2014
24	2023 Ford F350 Dump Truck	1FDRF3H9PDA18129	M83-627	12,000	G	YES		Small Trucks	6/7/2010
25	2017 Ford F350 Utility	1FD8X3H6XHEE86920	M96-891	14,000	G	YES		Small Trucks	10/30/2017
26	19 Freightliner 108SD	1FVAG5FE9KHKT0225	M11-60A	37,600	D	YES		Large Trucks	9/4/2018
27	2019 Ford F350 Dump (With 91)	1FDRF3H86KEC00124	M27-53A	14,000	G	YES		Small Trucks	9/11/2018
28	11 Chevy Silverado-Dump	4GB3KZCG7BF479064	M93-978	13,200	G	YES		Small Trucks	3/4/2011
29	2017 Freightliner Bucket Truck	1FVACYDT6HHHV8217	M96-454	35,000	D	YES		Speciality Large Trucks	6/27/2016
30	W Power Guard Pump	1863966		N/A	NONE	NO		Misc Equipment	UNK
31	Epoke Sdwik-Sander	4224		N/A	NONE	NO		Snowblowers-Sidewalk-Plows	UNK
32	08 John Deere Loader	DW544JH617463	M93-977	28,000	D	YES		Backhoes/Loaders	12/22/2007
33	99 Daewoo 130W-V	Senal665	M47-571	25,400	D	YES		Backhoes/Loaders	6/30/1999
34	87 Miller Curbbulder	2112K		N/A	NONE	NO		Misc Equipment	1987
35A	2024 Miller Curber			N/A	NONE	NO		Misc Equipment	2024
36	97 Volvo Loader L90C	L90CV62552	M50-182	33,000	D	YES		Backhoes/Loaders	9/29/1997
37	76 Snowmaster Snowblwr	20142	M13-179	20,000	D	NO		Snowblowers Sidewalk Plows	7/30/1976
38	07 Ford Edge	2FMDK46C77BA756688	M83-626	6,500	G	YES		Passenger Vehicles	6/40/2010
39	07 Ford F350 Utility (Old 14) - SCHOOL	1FDWF34587EA58144	M75-338	10,100	G	YES		Small Trucks	8/21/2006
40	87 Ingersoll Rand Comprsr	464264U87173	M39-372	2,100	NONE	NO		Compressors Trailers-Rollers	11/2/1987
41	23 Elgin Pelican Street Sweeper	NP42576		15,550	D			Misc Equipment	4/26/2023
42	40 Elgin Pelican Street Sweeper	NP2146D	M80-646	15,500	D	YES		Misc Equipment	11/1/2010
43	15 Chigao Pneumatic AR90G	3633	N/A	3,300	NONE	NO		Compressors Trailers Rollers	5/5/2015
44	16 Holder C992 Multipurpose	53400371	M98-602	2,750	D	NO		Snowblowers Sidewalk Plows	6/28/2017
45	10 Prinoth SW-4S Sidewalk Plow	900200325	M85-679	8,100	D	NO		Snowblowers Sidewalk Plows	12/8/2010
46	10 Pronovost Snow B. Attachment	Serial # 33356	Model-P-250-C5	N/A	NONE	NO		Snowblowers Sidewalk Plows	3/1/2011
47	12 Scag Walk Behind	F9700098 / FS481VA47156	SWSW36A-481FS	N/A	NONE	NO		Tractors/ Mowers	8/1/2012
48	78 Bombardier SW Tractor	2770185	M25-187	2,500	G	NO		Snowblowers Sidewalk Plows	2/1/1978
49	86 Pavemaster Roller	2100-E #61060			NONE	NO		Compressors Trailers-Rollers	UNK
50	Howard Rotovator (0.1 MEANS A)	12504		N/A	NONE	NO		Tractors/ Mowers	UNK
51	97 Bombardier SW Tractor	11970313	M48-225	2,800	D	NO		Snowblowers Sidewalk Plows	2/8/1999
52	2023 F350 Dump w/plow	1FDRF3H8PDA15125	M6980B	14,000	G	NO		Small Trucks	10/26/2023
53	00 LeROI Compressor	3515X490	M63-002	2,100	NONE	NO		Compressors Trailers Rollers	3/8/2000
54	95 Bombardier SW Tractor	LD33618U552784Y	M50-218	2,800	D	NO		Snowblowers Sidewalk Plows	8/15/1995
55	20 Wacker Neuson Mini Excavator	WNCE1402PPAL01862		14,268	D	NO		Mini Excavator	8/1/2022

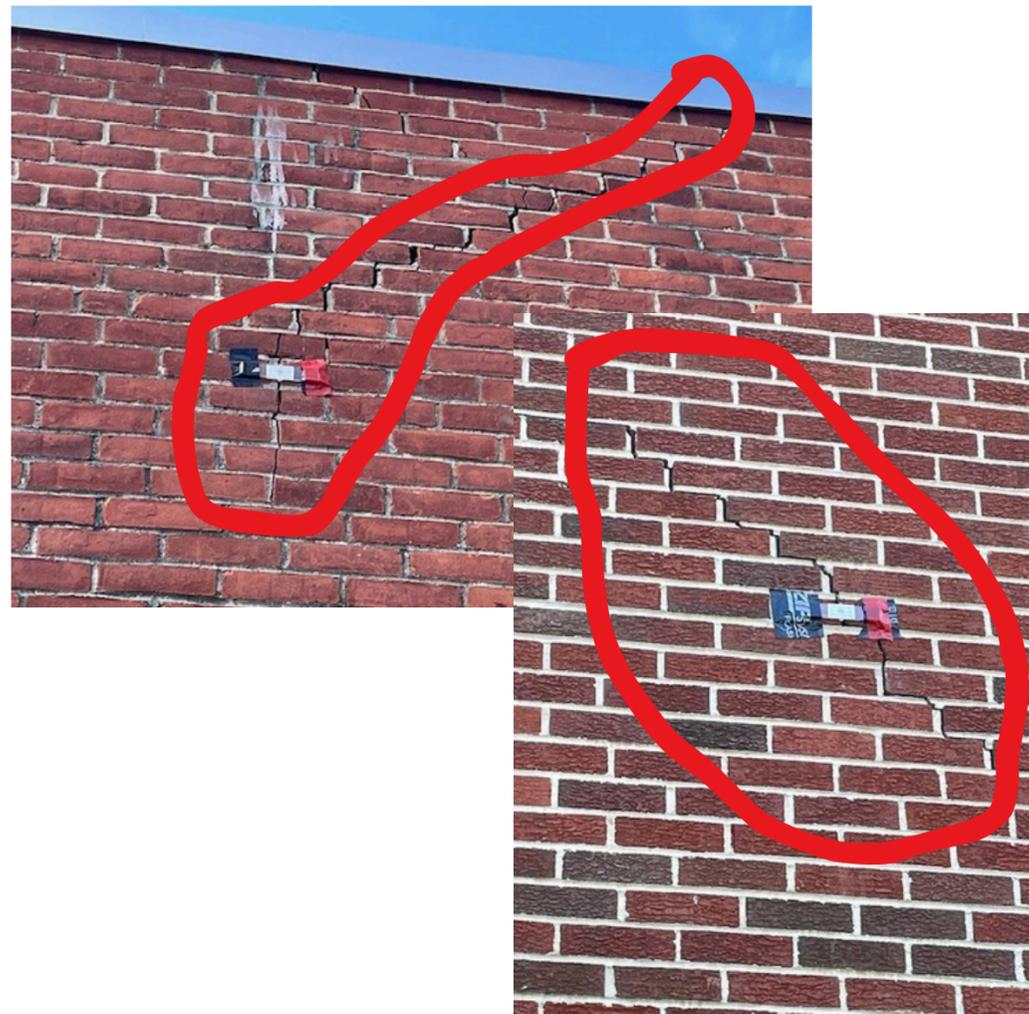
# Challenges

## Aging Building

**The DPW has building ages ranging from 1960 to 1976.**

**During a recent inspection, there were several areas of concern with the building structural integrity.**

3 to 4 inch wall separation



# DPW Improvements

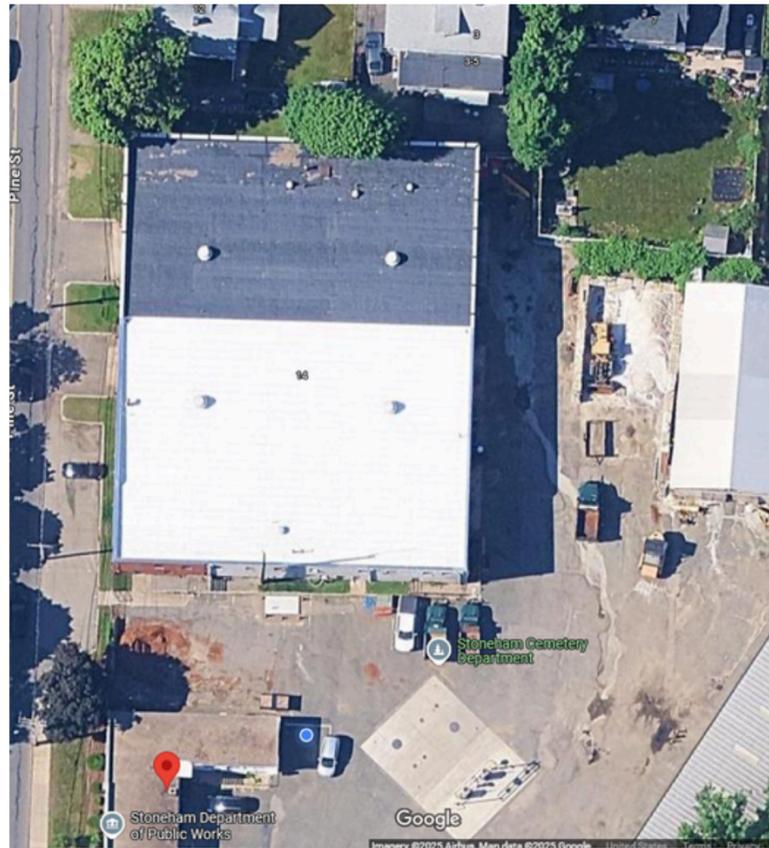
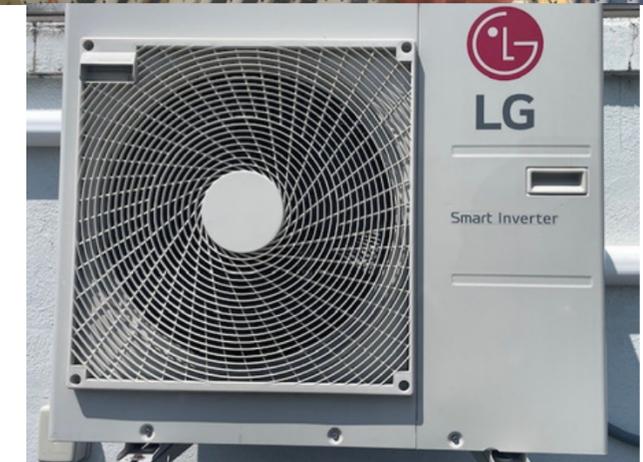
**Replace/Repair Roofs \$474,000**

**Installed HVAC Minisplit System \$35,700(grant)**

**New Backup Generator \$68,000**

**MS4 Drainage Improvements \$75,000**

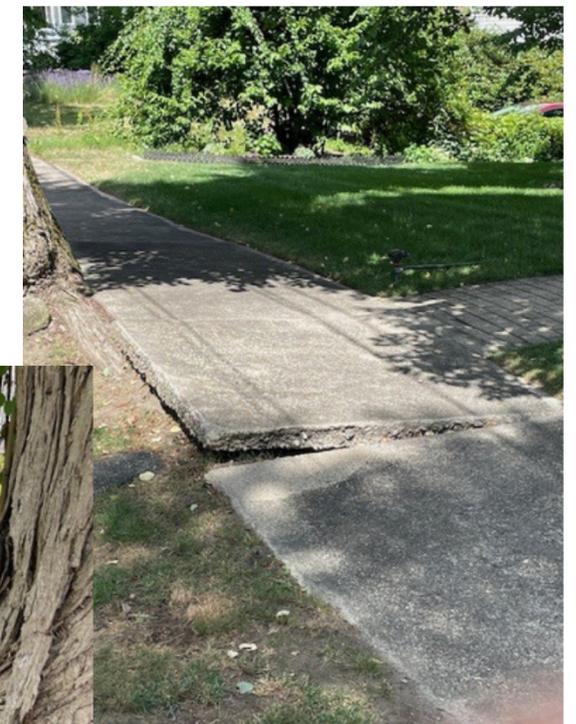
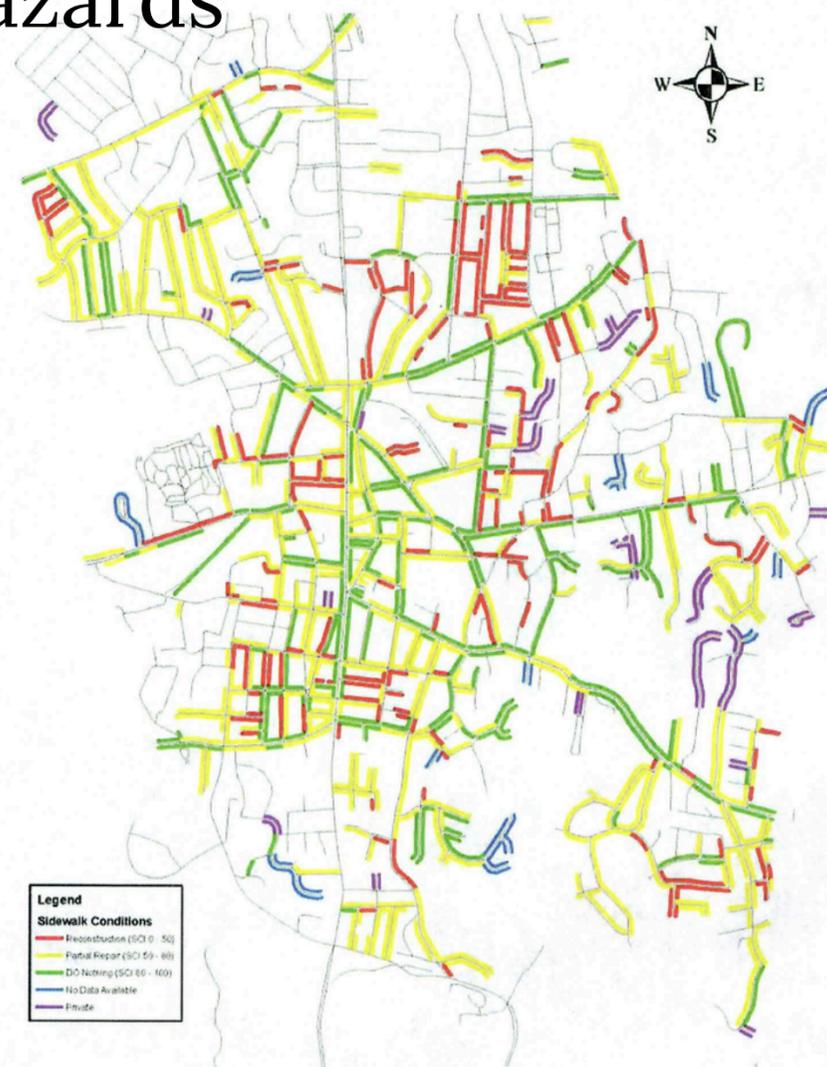
**(Drain Estimates were between \$280,000-\$600,000)**



# Challenges

## Sidewalk Repairs

Maintaining approximately 60 miles of sidewalk is very challenging  
Tree roots continually uplift sections of sidewalks making tripping hazards



2018 report stated that there is a \$5.8M backlog in sidewalk repairs

# Capital Requests

6 Wheel Dump Truck



Dump Truck

Front End Loader



4 Wheel Drive SUV



Compressor



Snowblower Attachment

# Upcoming Challenges

## Personnell

	Road Miles	Population	Employment	Land Square Miles	Engineering Staff	DPW Staff	DPW Employees	Total
<b>Melrose</b>	71.71	29,817	5,837	4.68	6	7	55	68
North Reading	79.68	15,554	9,701	13.2		4	25	
<b>Wakefield</b>	84.75	27,090	14,177	7.5	1	4	<b>80</b>	85
Wilmington	96.86	23,349	22,883	17.1	4	7	39	50
Danvers	106.85	28,087	24,836	13.3	4	3	63	70
Reading	92.53	25,518	7,096	9.9	3	16		52
Saugus	90.94	28,619	9,738	10.8	3	4	25	32
Winchester	72.99	22,970	8,209	6	4	7	33	70
Watertown	73.42	35,329	20,104	4	3	8	29	40
<b>Stoneham</b>	<b>63.62</b>	<b>23,244</b>	<b>7,350</b>	<b>6.2</b>	<b>1</b>	<b>4</b>	<b>18**</b>	<b>23</b>

18 DPW workers in the field (includes 2 mechanics)

\*\*2 employees out on medical

\*1 employee left to go work for another municipality, position has not be refilled

Budgeted 24

# Upcoming Challenges

## Surrounding Town Budgets

Town	Population	FY26 Operating Budget	Overtime	Snow and Ice Budget
**Danvers	28,087	\$13,755,313	\$403,900	\$800,000
**Melrose	29,817	\$3,300,220	\$132,208	\$743,125
**North Reading	15,554	\$3,955,611		\$175,000
*Reading	25,518	\$11,149,111	\$168,500	\$675,000
**Wakefield	27,090	\$7,402,829		\$850,000
**Wilmington	23,349	\$7,662,052	\$164,807	\$895,285
*Winchester	22,970	\$9,011,689	\$546,369	\$500,000
<b>**Stoneham</b>	<b>23,244</b>	<b>\$2,152,220</b>	<b>\$155,000</b>	<b>\$317,500</b>

\*\*Trash, W&S enterprise, facilities not included in the amounts

\*trash/recycling disposal included

# Town of Stoneham

## Conclusion

The Department of Public Works will continue to improve the Town to the best of our ability. However, with a limited staff, we are being reactive instead of proactive.

Additional staffing and funding will be required to perform required preventative maintenance, repairs, and installation of the aging and neglected infrastructure.

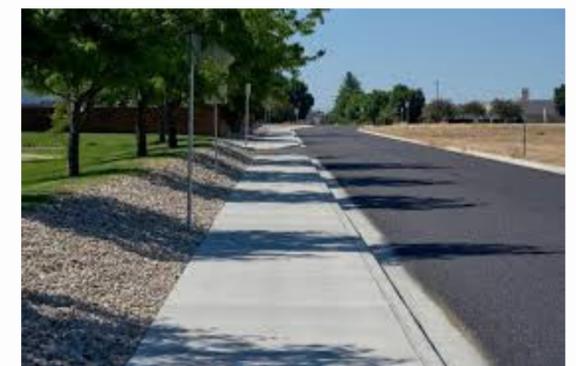
## Water



## Sewer



## Drain



## Roads & Sidewalks

# Town of Stoneham

Department of Public Works

Thank you!!

Questions?