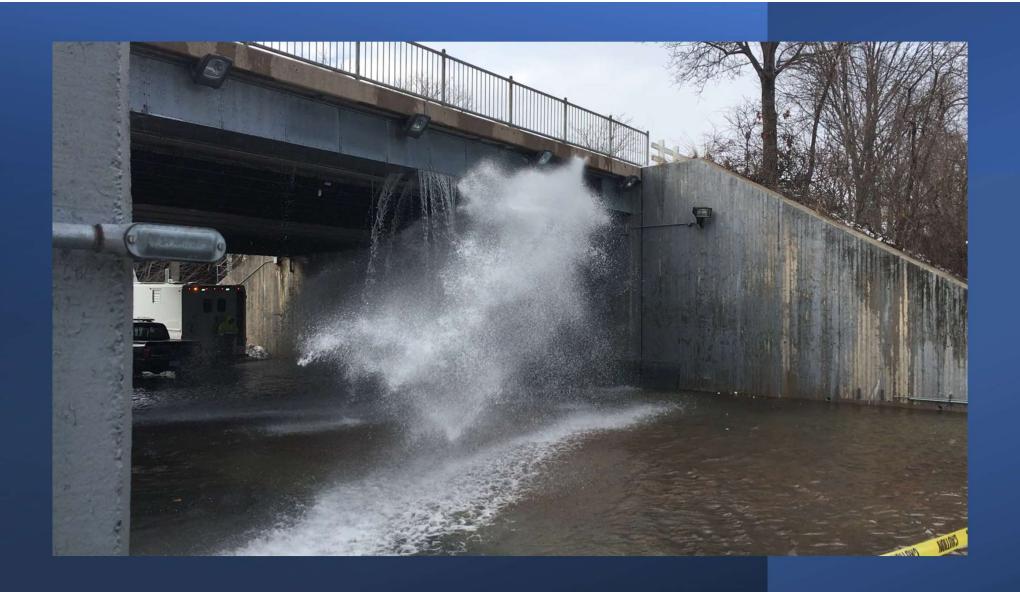


# TRANSMISSION AND DISTRIBUTION

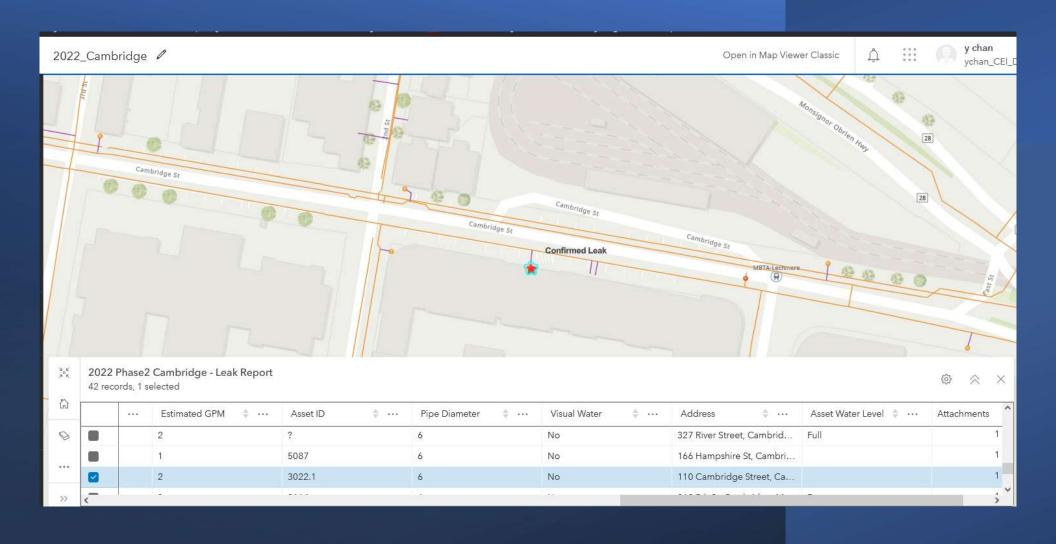


# **△ C. OPERATIONS** - Transmission and Distribution

- Continue working with and supporting DPW regarding sewer separation, Chapter 90 and Common Manhole Removal Contracts.
- Scheduling lead water service replacements within DPW Contracts 23 and 24.
- · Working with DPW and contractors on several water main projects that include:
- Belmont St. Working with DPW Contractor Newport Construction on the replacement of 1200° of old 6" Cast Iron Pipe with new 8" Ductile Iron to include all services valves and hydrants.
- Harvard St. Working with DPW Port Area Sewer Separation Project Contractor D'Allesandro Construction on the replacement of 2750° of old 10" Cast Iron Pipe with new 12" Ductile Iron to include all services valves and hydrants.
- Suffolk St. Working with DPW Port Area Sewer Separation Project Contractor Mattuchio
  Construction on the replacement of 600° of old 6° Cast Iron Pipe with new 8° Ductile Iron to
  include all services valves and hydrants.
- River St. Working with DPW Project Contractor P. Giologio Construction on the replacement of 8000' of old 6-12" Cast Iron Pipe with new 8-12" Ductile Iron to include all services valves and hydrants.
- Inman St (POSTPONED) CWD in house crews mobilizing to begin replacing 1400° of old 6° Cast Iron pipe with new 8° Ductile Iron to include all services valves and hydrants.
- Huron Ave. (Phase 2) Working with CWD on-call contractor JNJ Sacca to replace 1000' of old 8" Cast Iron main with 12" Ductile Iron pipe to include all services valves and hydrants.

#### Febuary 2023

- 5 Leaks Repaired
- 0 Services Reconnected
- 2 Lead Services Renewed
- 2 Hydrants Repaired/Replaced
- 1 Valves Replaced/Repaired
- 5 Miscellaneous jobs completed
- 12 Work orders completed
- 168 Valves exercised
- 55 Inspections performed
- 502 Utility mark outs



# CONSULTING ENGINEERING, INC.

Date	Leak Status	Asset Type	Asset ID	eGPM	Address	Comments	Asset Water Level	Visual Water	Figure
6/14/2022	Confirmed	Hydrant	1048	2	2 10 Ash Street Place, Cambridge, Massachusetts			No	41, 41a
6/14/2022	Confirmed	Hydrant	?	2	8 Chapman Place, Cambridge, Massachusetts	Seat leak		No	42, 42a
6/15/2022	Confirmed	Hydrant	?	2	5 Prescott St	Seat leak	Water/ Operator Visible	No	43, 43a
6/15/2022	Confirmed	Distribution Main	?	15	21 Kenwood Street	8		No	44, 44a
6/15/2022	Confirmed	Service Line	?	8	56 Pearl Street	Unable to confirm customer side/city side	Dry	No	45, 45a
6/15/2022	Confirmed	Hydrant	?	1	369 Harvard Street	Seat leak	Water/ Operator Visible	No	46, 46a
6/15/2022	22 Confirmed Distribution Adin ? 5		5	3 Mercer Circle			No	47, 47a	

# THE CAMBRIDGE WATER AND FIRE DEPARTMENTS WILL BE CONDUCTING ANNUAL FIRE HYDRANT MAINTENANCE AND FLOW TESTS BETWEEN MAY 2 AND JUNE 25, 2022

Maintenance and testing will be conducted between the hours of 9:00 AM and 2:00 PM, Monday through Friday, excluding holidays. Hydrant testing is performed to ensure operability and to identify and repair those hydrants requiring maintenance. In addition on to hydrant testing, crews will be performing water main flushing. Approximately 25 hydrants will be tested in each area, each day.

Hydrant testing may disturb the sediment that naturally occurs in the water piping system. Water from your faucets and toilet may appear rust colored from this disturbance. Rust discoloration may last for several hours after the tests have been completed. Discolored water does not usually present a health hazard, however; the Water Department recommends that anyone who has doubts about the rust colored water should not drink it. You may wish to store tap water or two-gallon containers in your refrigerator for the day of the test.

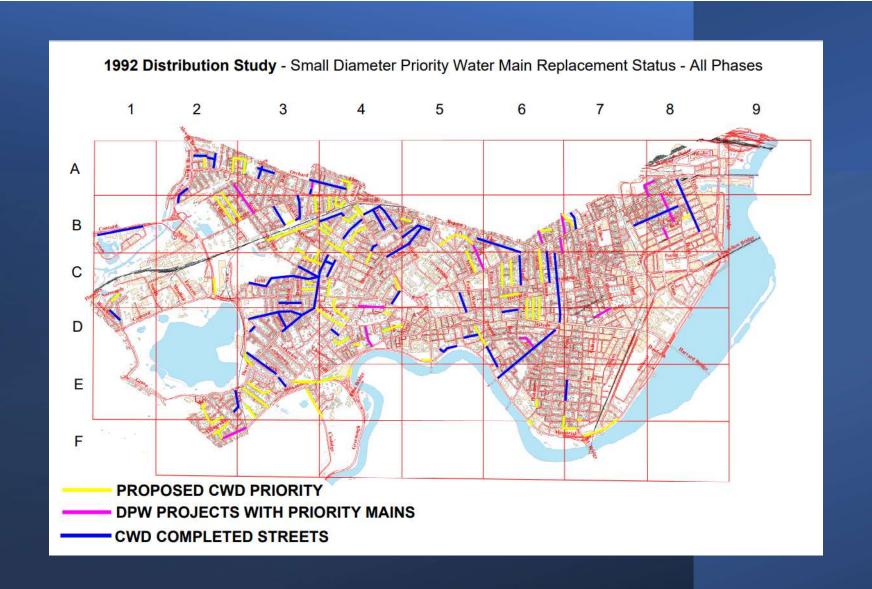
We also suggest that the residents check their water before doing laundry because the **discolored water may stain your clothes**. If your laundry is stained, the Water Department will provide you with a wash additive to remove the stains.

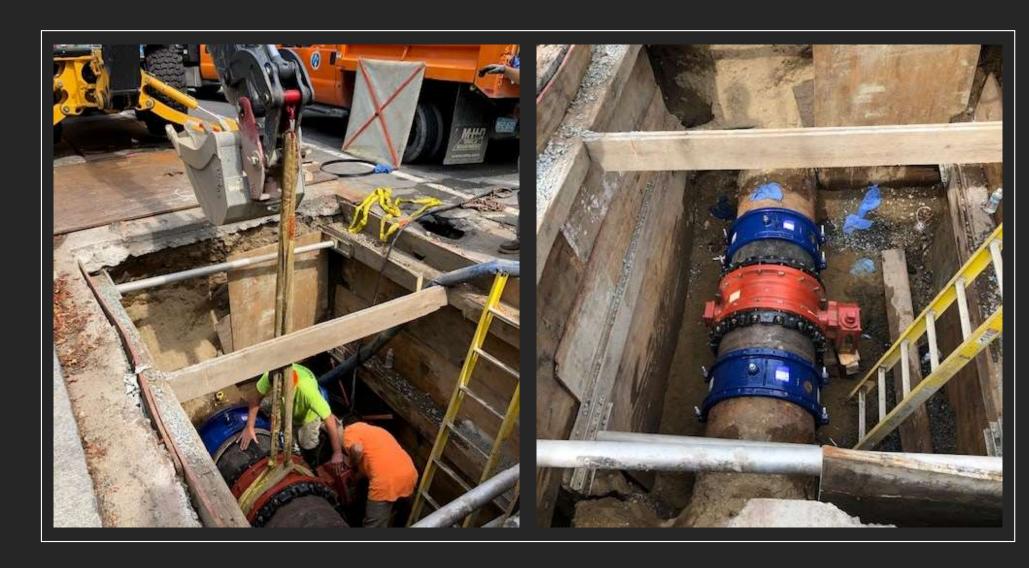
If you would like to know when the hydrants are being tested in your neighborhood, please review the schedule shown on this an announcement. You can also follow us on Twitter (@CambWaterDept), like us on Facebook, check your local cable television stations for updates on test areas, or call the Cambridge Fire Department at 617-349-4921 between 8:00 AM to 8:45 AM for daily test locations. If you have any questions on water quality, please call Ms. Krystyna McInally, Laboratory Manager, Cambridge Water Department, (617) 349-4780.

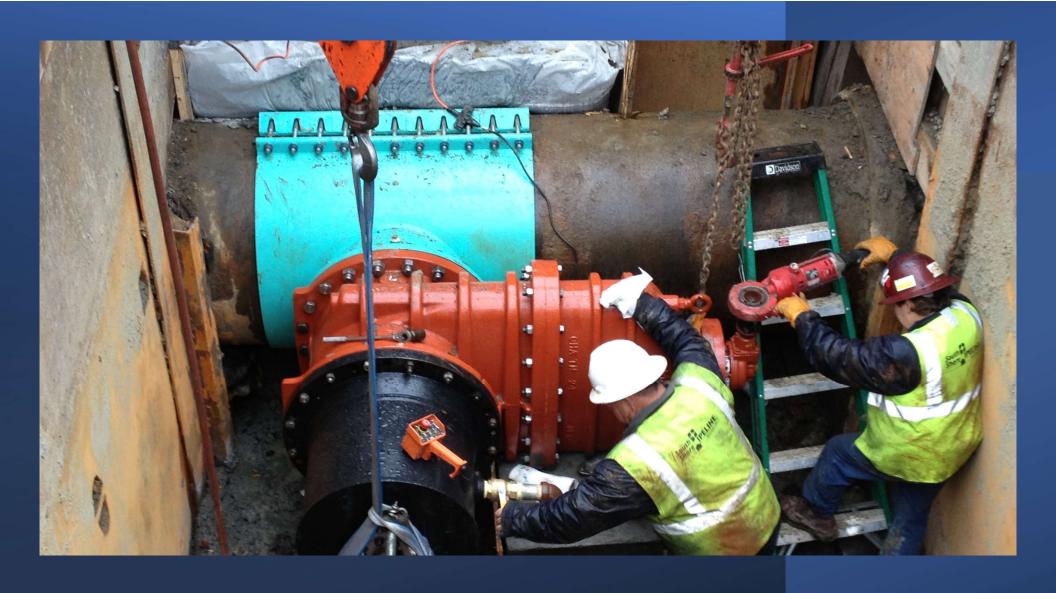
## ENGINE 1 THROUGH ENGINE 9 ARE AS SHOWN ON THE ATTACHED MAP

EAST CAMBRIDGE AREA CONCORD AVENUE AREA	Engine 3 Engine 8	May 2 through May 14	
NORTH CAMBRIDGEE AREA RIVERSIDE AREA	Engine 4 Engine 6	May 16 through May 28	
HARVARD SQUARE AREA CENTRAL SQUARE AREA	Engine 1 Engine 2	May 31 through June 11	

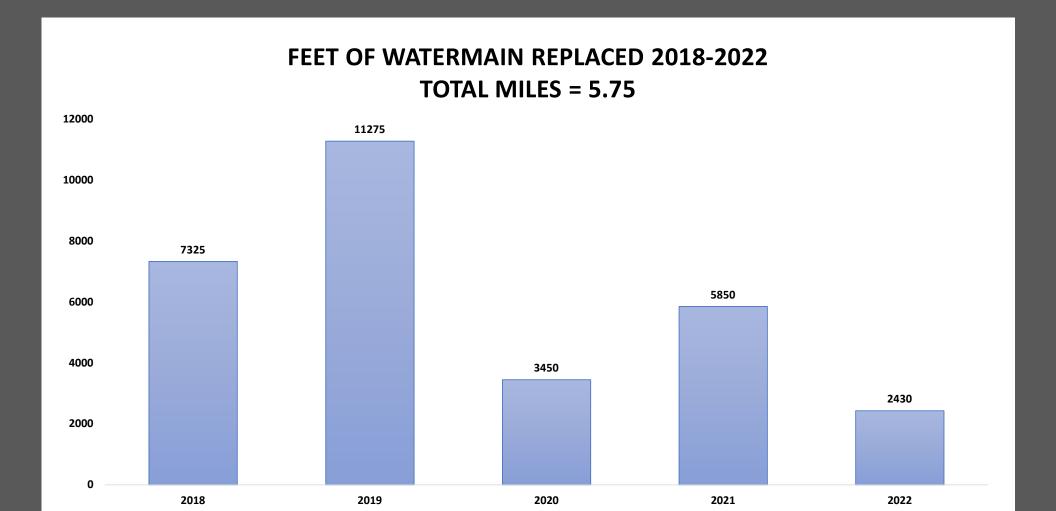
HYDRANT ID	Location	Make	HYDRANT GPM
4040	CLARENDON AVE nr MASS AVE	AVK	100
5085	116 AMORY ST.	MUELLER	190
1163	EMMONS PL		200
5114	432 COLUMBIA ST.	DARLING	200
6154	64 MAGEE ST @ PUTNAM GARDENS	AVK	200
1074	2 BERKELEY PL	MUELLER	300
1191	16 TROWBRIDGE ST	DRESSER	300
1193	TROWBRIDGE ST & TROWBRIDGE TER	MUELLER	300
1194	8 TROWBRIDGE PL	MUELLER	300
4059	195 CONCORD TPK (RTE 2)	AVK	300
4081	34 BROOKFORD ST	DRESSER	300
4089	25 HARRINGTON RD @ DEAD END	KENNEDY	300
5027	27 FAINWOOD CIRCLE	MUELLER	300
6032	41 SPERIDAKIS TERRACE	KENNEDY	300
6053	13 WHITNEY AVE	0	300
8016	33 WALKER ST.	U.S.PIPE	300
8110	27 R.C. KELLEY ST.	DARLING	300
8196	18 HUBBARD PK. RD.	KENNEDY	300
1105	39 GARFIELD ST.	M&H 929	350
4041	40 CLARENDON AVE	MUELLER	350

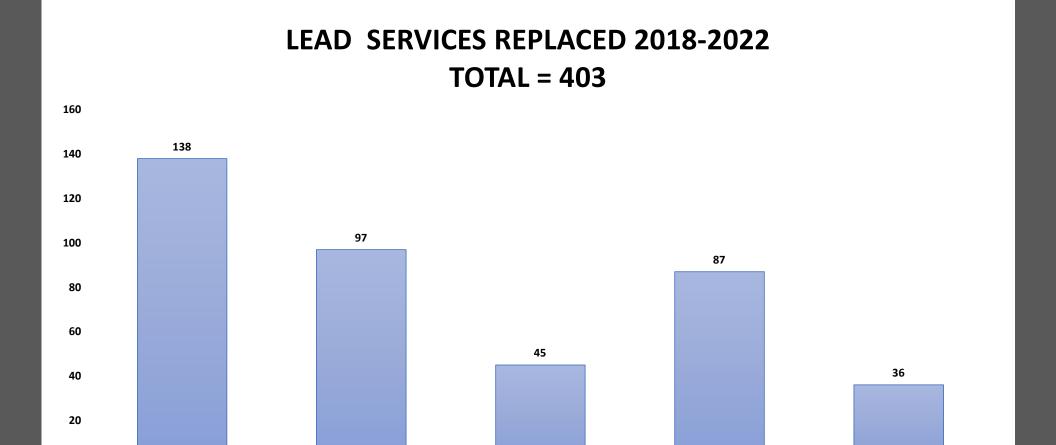






STREET	FROM	ТО	SIZE	FT OF MAIN	
	•	·			
	20:	19			
GRAY GARDENS EAST	GARDEN	RAYMOND	8	900	
ELIOT	WINTHROP	JFK	8	500	
HURON	GARDEN	RAYMOND	12	1000	
DOUGLAS	MASS AVE	BISHOP ALLEN	8	200	
DEACON	CARELTON	DOCK	8	275	
MONSIGNOR OBRIEN HWY	THIRD/GORE	SECOND/GORE	8	1000	
DODGE/CALLENDAR	MAGEE	WESTERN	8	450	
INMAN	BISHOP ALLEN	HARVARD	8	1000	
ST. MARYS	INMAN	PROSPECT	8	600	
PARK AVE	HOLWORTHY	HURON	8	1000	
COTTAGE	RIVER	PEARL	8	1000	
NORTH POINT PHASE 2	UNNAMED	UNNAMED	8	2600	
COLUMBIA	CAMBRIDGE	SOMERVILLE LINE	8	500	
CARDINAL MEDEIROS	BINNEY	BRISTOL	12&20	250	
		2019	2019 TOTAL FT		



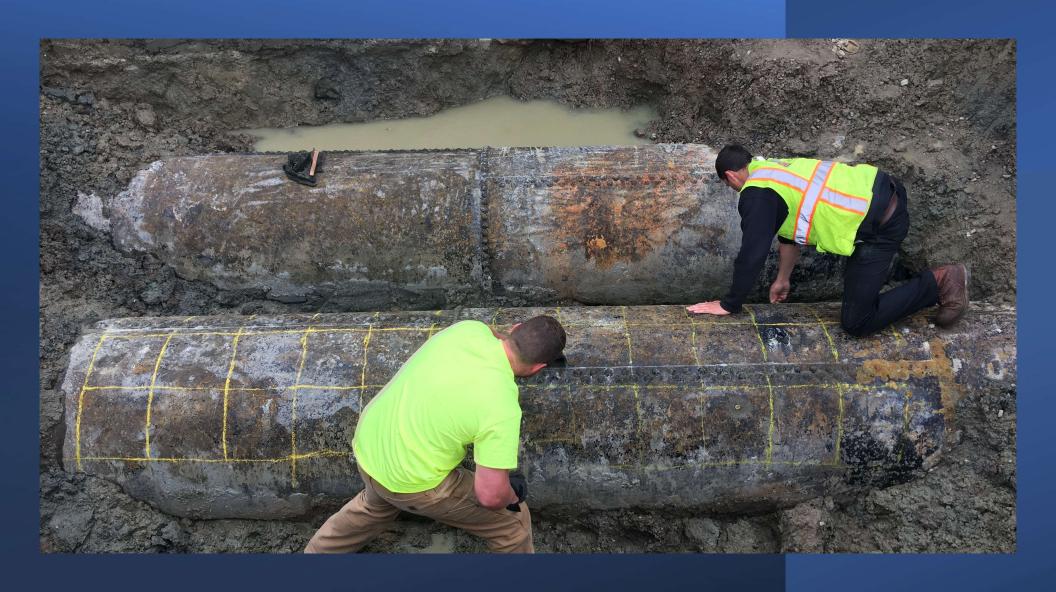
















A	В	C	D	E	F	G	H	J.	K
		CITY OF CAMBRID	GE PAR	KS & IRRI	GATION BAC	KFLOW DEVICE S	TATUS		
KEY	PARK ISSUES	DEVICES IN MANHOLE	3	Community (	Garden	MISSING	3. 5.7	UPDATED 11/18/19	
	PARK	ADDRESS	Line Size	Meter #	BF#	BF Model	METER READING	Comments	MTU?
1	Kennedy School ( Ahern Field)	Fulkerson @ Spring & Charles St	2"	60095555	RPZ09224	WATTS007m1		Fed from building	
2	Alberico Park	341 Allston St @ Pleasant St.	1 1/2"	12710682	RPZ84886	WATTS909QT		JNJ Sacca installed (2013)	N
3	Alden Park	Oxford St. @ 33 Sacramento St.	2"		Missir	ıg		No devices	
4	Anderson Ct	Yerxa Rd @ 121 Pemberton St. (on bridge side)	2"	9522677	PVB658034	FEBCO 765-1	6 0		Υ
5	Bergin	Haskell St. @ Pemberton St.	1 1/2"	16317061	RPZ042931	WATTSLF009M2QT		JNJ Sacca installed (2017)	N
6	Cambridge Common	Garden St. @ Mason St	2"	14254513	PVB3735367	WILKINS975XL2		Devices installed Newport 2017	N
7	Centanni Way	Cambridge St @ Third St	SHUT OFF/NOT IN USE		· ·	State owned, not in use			
8	Charles Park	Cambridgeside PI @ Land Blvd	2"	10709129	PVB667369	WATTS800M4QT		New 2" BV 2019 (EC)	N
9	Gondolfe Park	Clarendon Ave. @ Mass. Ave.	2"					New line(CWD) and devices(Sacca) 2020	N
10	Clement G. Morgan Park	Columbia St. @ Washington St.	1"	10709137	PVB693010	WATTS800M4QT		Fed from Columbia St	N
11	Comeau Field	Rindge Ave	4 (8)	20 <b>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</b>	BUBBLER		9	Fed from Building	e de la companya de l
12	Cooper	Hancock St. @ Center St.	1 1/2"	12710608	RPZ3748800	WATTS975XL2		Devices installed 9-24-13 (Carney)	Y
13	Corporal Burns	Banks St @ Flagg St @ Memorial Dr.	2"	10709136	PVB65305	WATTS800M4QT		Devices installed 6-10-13 (Carney)	Υ
14	Zcommunity garden Costa Lopez	Lopez Ave & Charles. (community garden)	1"1/2	10708694	RPZ617990	WATTS909QT	2	Community Garden	Y
14	Costa Lopez	Charles St. @ Lopez Ave.	5 90 11		BUBBLER	i ang managana sagataga	2 2	Bubbler only	3
15	Dana Park	Magazine St. between Corp. McTernan St. & Lawrence	2"	8515603	PVB670550	WATTS800M4QT			Υ
16	Danahey Park D-1	Sherman St @ St Peters Field	2"	811220	RPZ3737038	WATTS975XL2		New RPZ installed 4-20-16 (DS)	N
16	Danahey Park D-3	Sherman St @ Soccer/ tot lot	2"	18198344	RPZ190241	WATTS909QT			N
17	David Brien Nunes, Old Morse Park	Allston St. @ Brookline St.	1 1/2"	17971941	RPZ448616	WATTS909QT	8	New 1" meter installed 4/26 (DS)	Υ
18	Donnelly Field	Berkshire St. @ York St. @ Willow	4"	1778141	RPZ280404	FEBCO 825Y		, ,	Y
19	Elm/Hampshire	Elm St. @ Hampshire St.	1"	15557514	RPZ050122	WATTS009M201			N
20	Father Callanan Pk (rear of Tobin)	Concord Ave @ (Tobin School)	2"	10709131	RPZ3706378	WATTS975XL2		Repair (1.5" X 1" 90°) 4/22/19 EC	
21	Flagstaff Park	Cambridge St @ Mass Ave			Missing		3 9	Not Used	
22	Et Machington	Mayorly/Doordon/Talhot Ct	ייני	10700605	DD7274074E	MATTONTEVI 2		Now DD7 installed 6 4 12 (Corpos)	v

# Community Maintenance and Development

PROJECT PW22811 Public Works: Parks - Park Water Conservation Program

## FY22 PROJECT DESCRIPTION

GOALS

The City manages 97 irrigated sites (ranging from small planting beds to large fields), 22 water plays, and 52 water fountains. Irrigation provides important community benefits, including beautification and plant health, while water plays and fountains provide much needed relief during hot weather.

**♣**n

Public Works began to implement a central control system for park and public area irrigation sites, water plays, and water fountains starting in FY17. This system enables remote monitoring and control, including automatic shut off for leaking equipment. The system helps conserve water, and puts Cambridge at the forefront of municipal water conservation among New England municipalities.

## IMPACT ON OPERATING BUDGET

This project is expected to result in more efficient maintenance and repair processes, better levels of service (in terms of quality of plantings and reduced downtime) and better water conservation.

5-Year Appropriation Plan										
FUNDING SOURCE	FY22	FY23	FY24	FY25	FY26	TOTAL				
Water Service Charges	\$0	\$100,000	\$100,000	\$100,000	\$0	\$300,000				
TOTAL	\$0	\$100,000	\$100,000	\$100,000	\$0	\$300,000				

# FY23 - FY26 Funding

Public Works estimates that full program implementation, which includes all Public Worksmaintained facilities and Danehy Park, will cost \$800,000 in total between FY17 and FY25.

#### PROJECT VISUAL

#### STATUS OF PRIOR YEAR PROJECTS



In the beginning of this program it was discovered that the existing irrigation boxes needed to be replaced as they were either too small for the new control equipment or were in a deteriorated condition. With prior allocations, 36 irrigation boxes were replaced or repaired. New central irrigation control equipment was installed at 38 sites through the end of FY21.

