

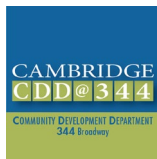
June 13, 2024

City of Cambridge  
Community Development Department

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## PUBLIC MEETING

# Planning for Electric Vehicle Charging in Cambridge



[CambridgeMA.gov/ElectricVehicles](https://CambridgeMA.gov/ElectricVehicles)



# Public Comment on Zoom Webinar



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Public comment period will use the “raise hand” feature. We will provide more instruction then.

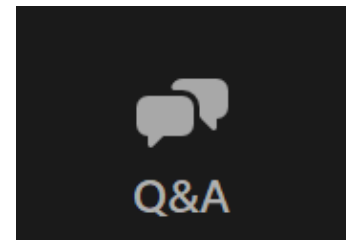


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- 305 224 1968
- Meeting ID: 895 0448 1509



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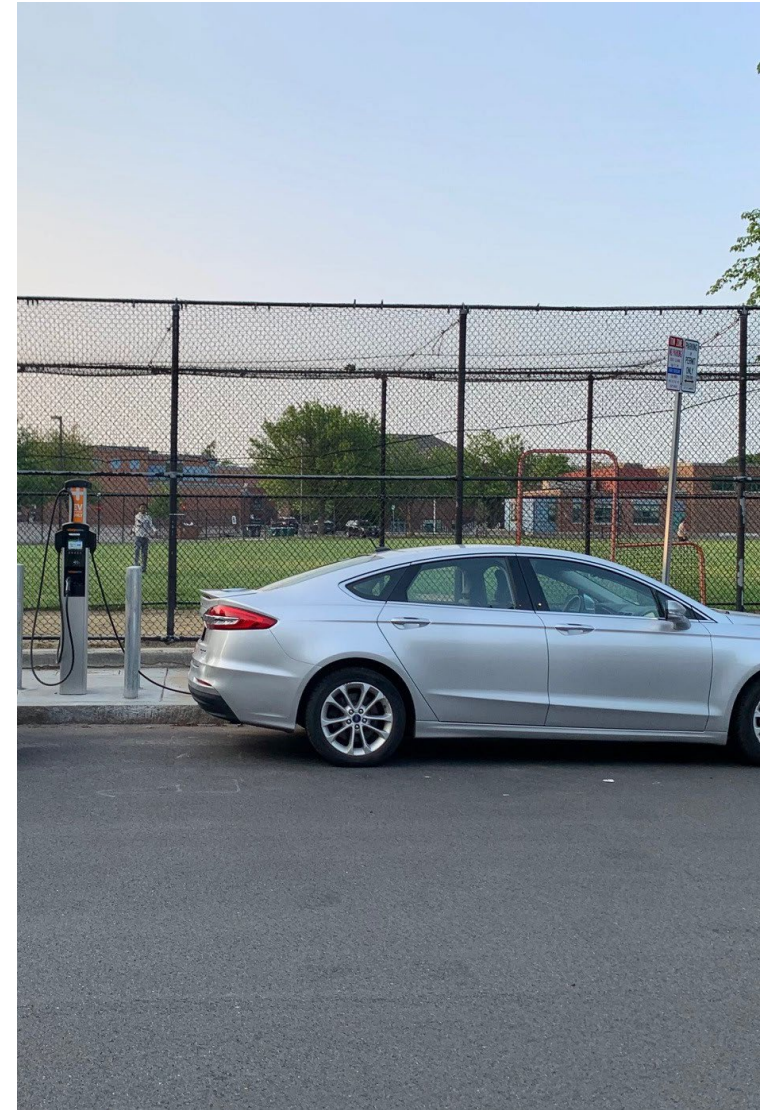
# Meeting Purpose & Process

## Purpose

- This meeting will update the public on the city's work to increase electric vehicle charging installations available to the public.

## Process

- Share information using this slide deck and with map graphics.
- Plenty of time at the end of the meeting to collect feedback and answer questions.



Pemberton St

# Agenda

Welcome!

1. Background, Context, Goals, Schedule
2. Existing and upcoming EV charger locations
3. Funding
4. Next Steps & Q and A



Pemberton St

# Transportation Fuel Transition

- Transition underway from fossil fuel powered motor vehicles to electric vehicles
- State mandate for all new cars sold to be EVs by 2035
- Driven by: climate change, local air quality concerns, lower cost to own and operate, state and federal incentives



Lot 8 - Green Street

# City Role

- City of Cambridge goal to eliminate greenhouse gas emissions by 2050
- City has installed EV chargers on public property to support the adoption of EVs
- Helps break down barriers to EV adoption
- Many households do not have driveways for private EV charging



Norfolk Street

# Goals + Progress

## Currently

- 39 publicly available level-two charging heads

## End of 2024

- Goal of installing 16 additional level-two charging heads

## 2025 and 2026

- Goal of installing 44 additional level-two charging heads



Upland Road



# Background and Context

## Curb-side Charging

- City curb-side charging program focused on Cambridge residents without access to off-street parking
- Providing curb-side charging reduces one of the biggest barriers to EV adoption



Inman Street

# Level 2 VS Level 3

## Curb-side Charging

- Current focus is on Level 2 charging
- Actively evaluating locations for possible future Level 3 charging
- Level 3 charging equipment requires a lot of land
- Incentivize the private sector to invest in Level 3



A planned level 3 charger on Hamlet Street in Boston – the three metal cabinets and required setbacks use a lot of land

# Signage and Regulations

## EV Parking Rules

- Vehicles parked at an EV designated parking space must be plugged in
- Vehicles that are not plugged in may receive a parking violation
- Time limits, parking meters, parking permits, and other regulations apply



Please check signs in particular locations as regulations may change

# Demand

## Increasing Demand

- Data from 2023 & 2024 shows significant increases in # hours charging and other metrics

## Public Input Tool

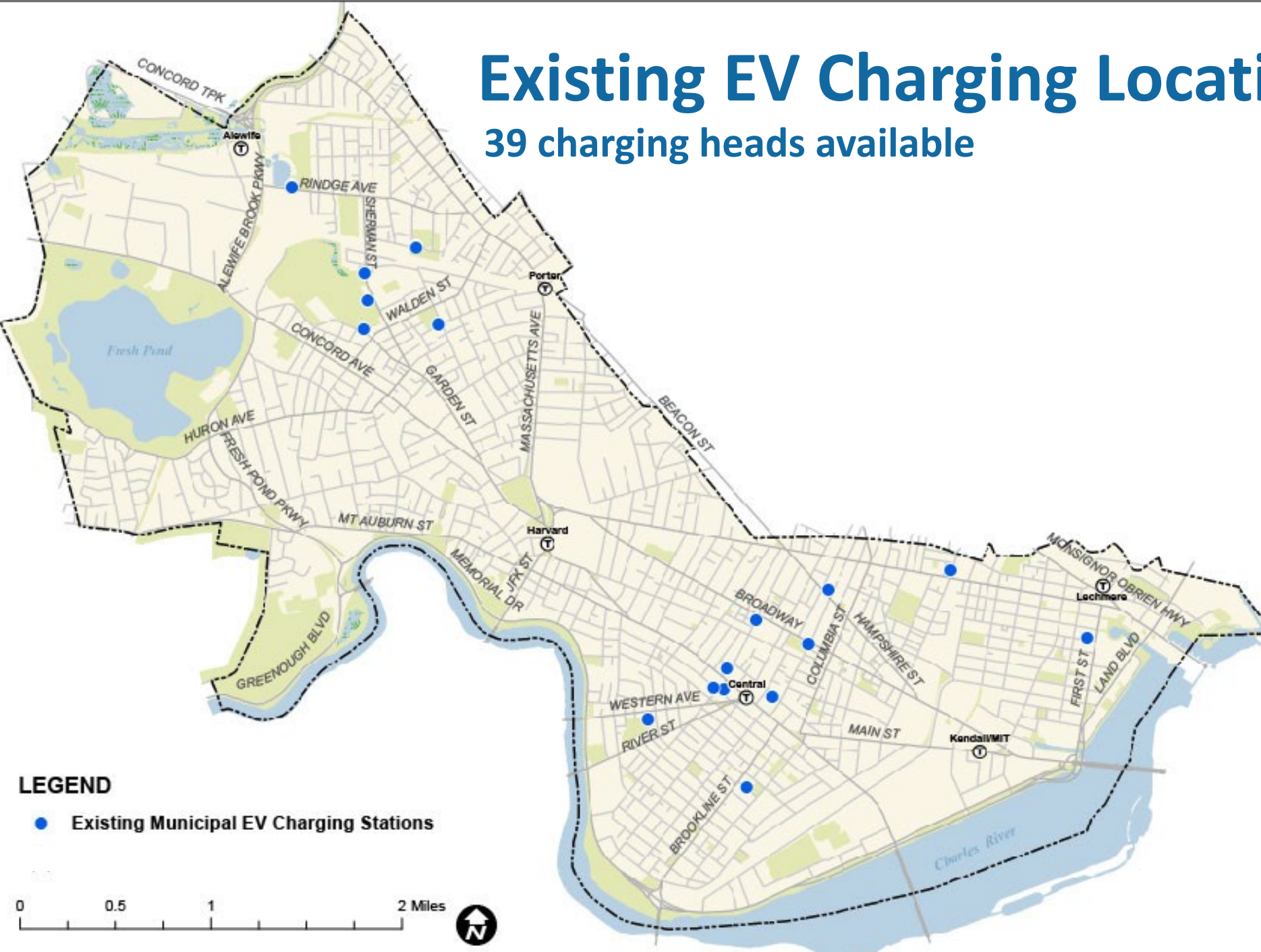
- Cambridge EV Charging request tool (Suggest-A-Station)
- Aid identifying areas with high demand
- Helpful data to have as we investigate additional sites

	2023*	2024*
# of Transactions	6,661	10,615
# of Hours (Duration)	27,407	49,129
# of Hours (Charging)	19,462	35,933
% of time at station spent charging	73%	77%
Average time spent charging	2:58:45	3:21:39
# of Unique Drivers	1,687	2,765

\*Data from first 5 months of each calendar year.

# Existing EV Charging Locations

39 charging heads available



**LEGEND**  
● Existing Municipal EV Charging Stations

0 0.5 1 2 Miles



# High Demand Stations

● Highest Total Transactions

● Highest Charging Time

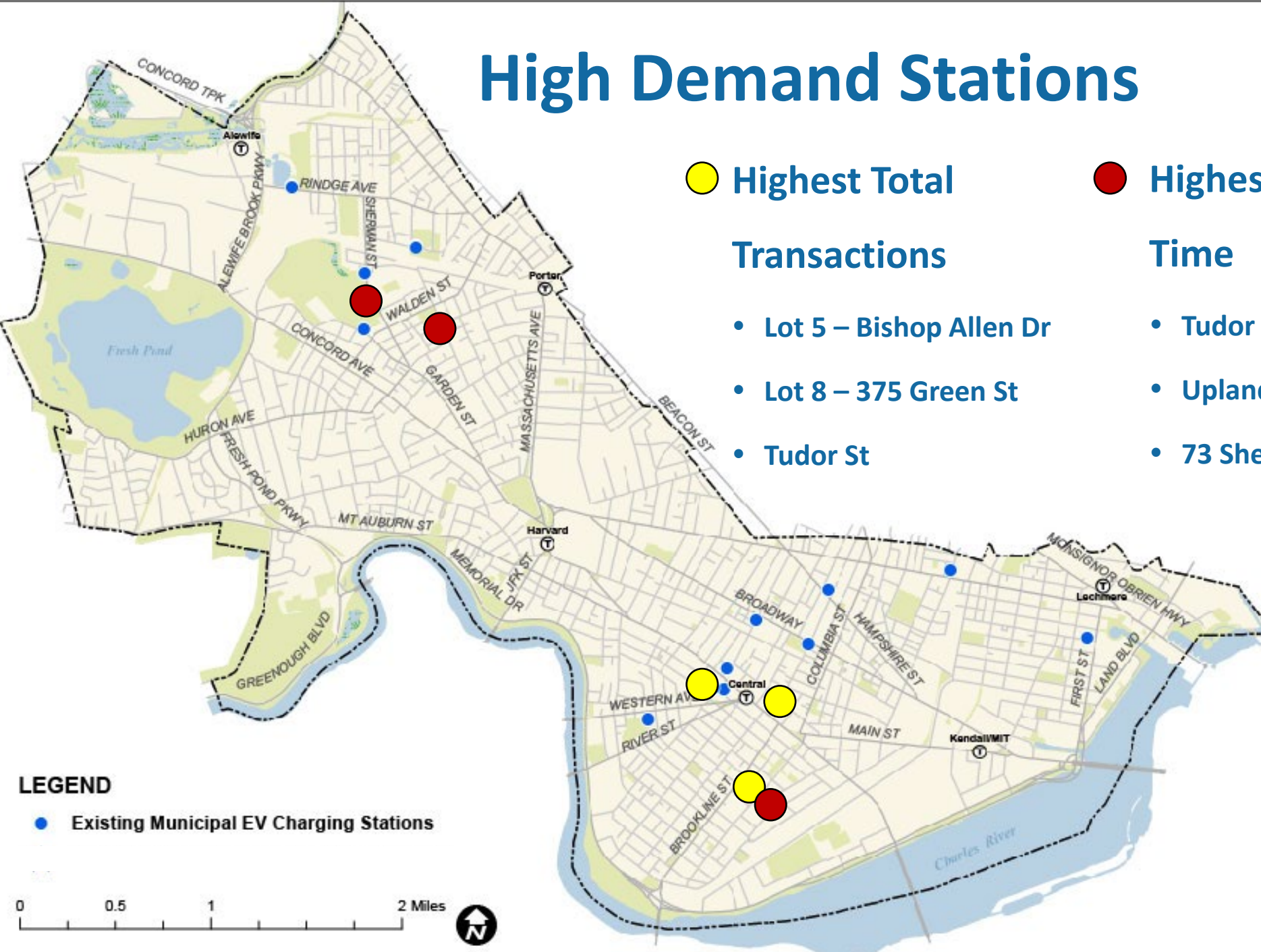
- Lot 5 – Bishop Allen Dr
- Lot 8 – 375 Green St
- Tudor St

- Tudor St
- Upland Rd
- 73 Sherman St / Salt Shed

## LEGEND

● Existing Municipal EV Charging Stations

0 0.5 1 2 Miles



# Locating New EV Chargers

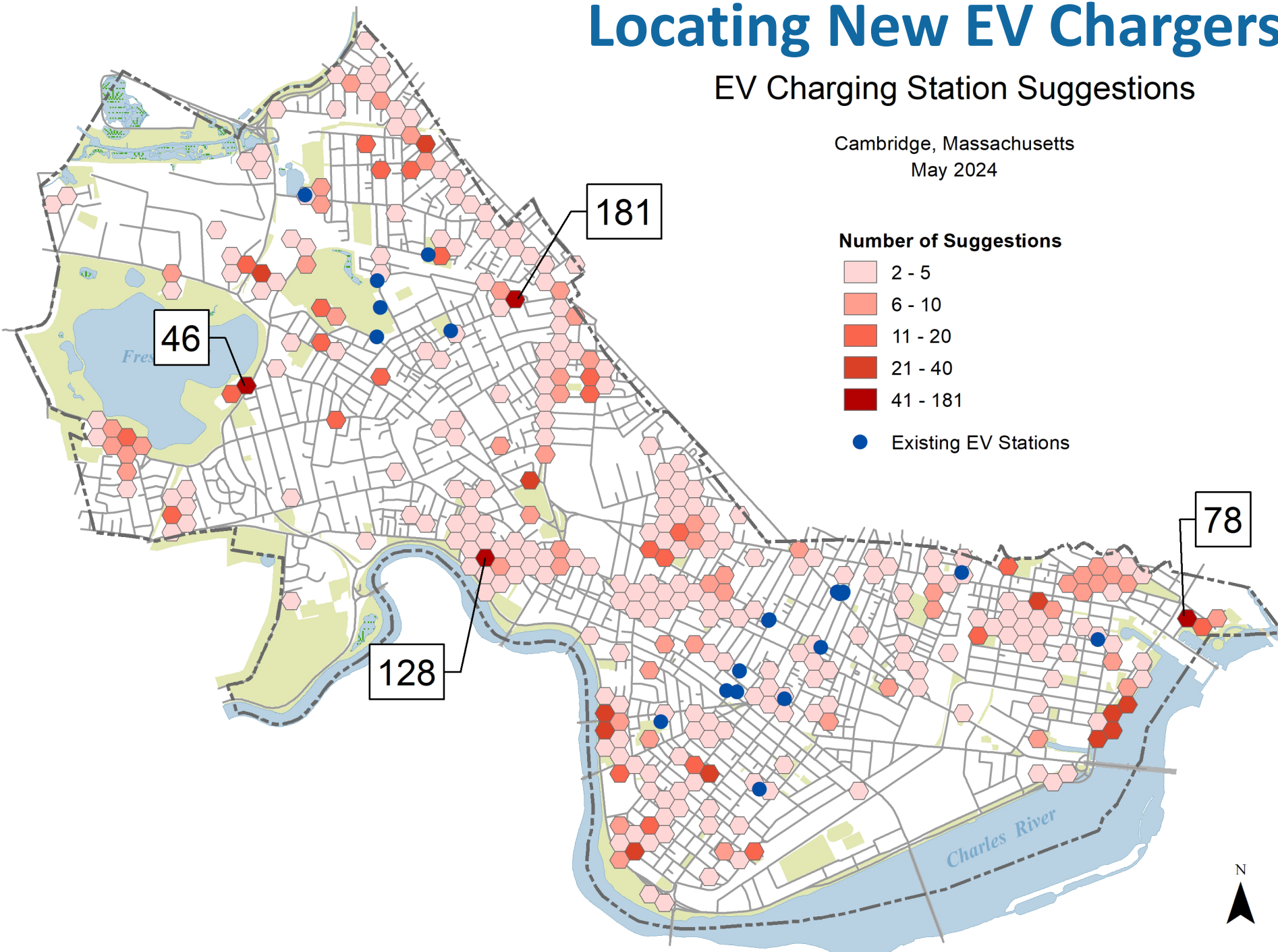
## EV Charging Station Suggestions

Cambridge, Massachusetts  
May 2024

### Number of Suggestions

- 2 - 5
- 6 - 10
- 11 - 20
- 21 - 40
- 41 - 181

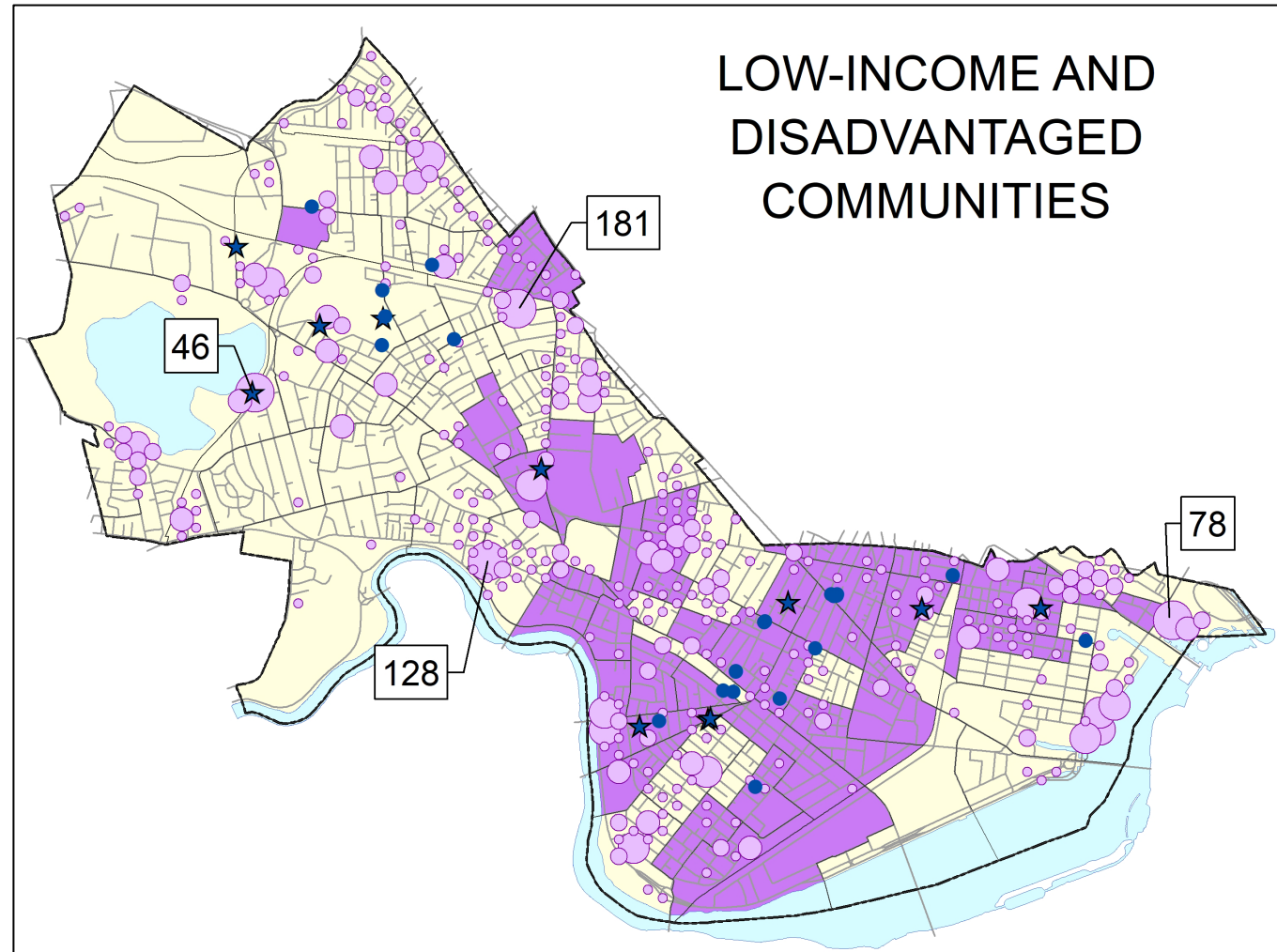
● Existing EV Stations



# Locating Chargers

Using Environmental Justice Indicators from the Environmental Protection Agency

- Low Income and Disadvantaged Communities (EPA EJ Screen Tool)

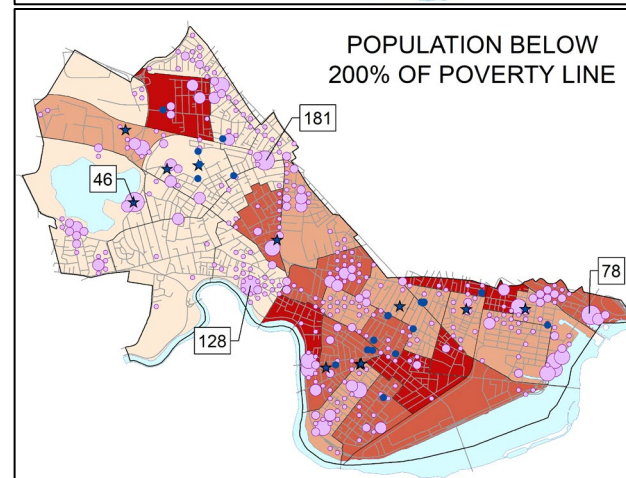
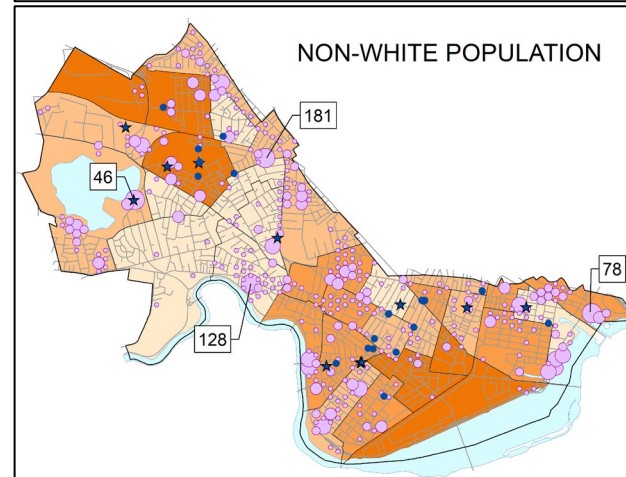
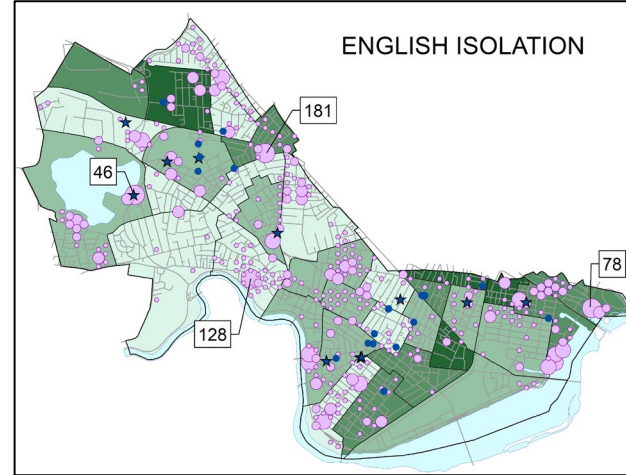




# Locating Chargers

Using Environmental Justice Indicators from the American Community Survey

- English isolation
- Percent minority
- Low-income / impoverished



# Funding Sources

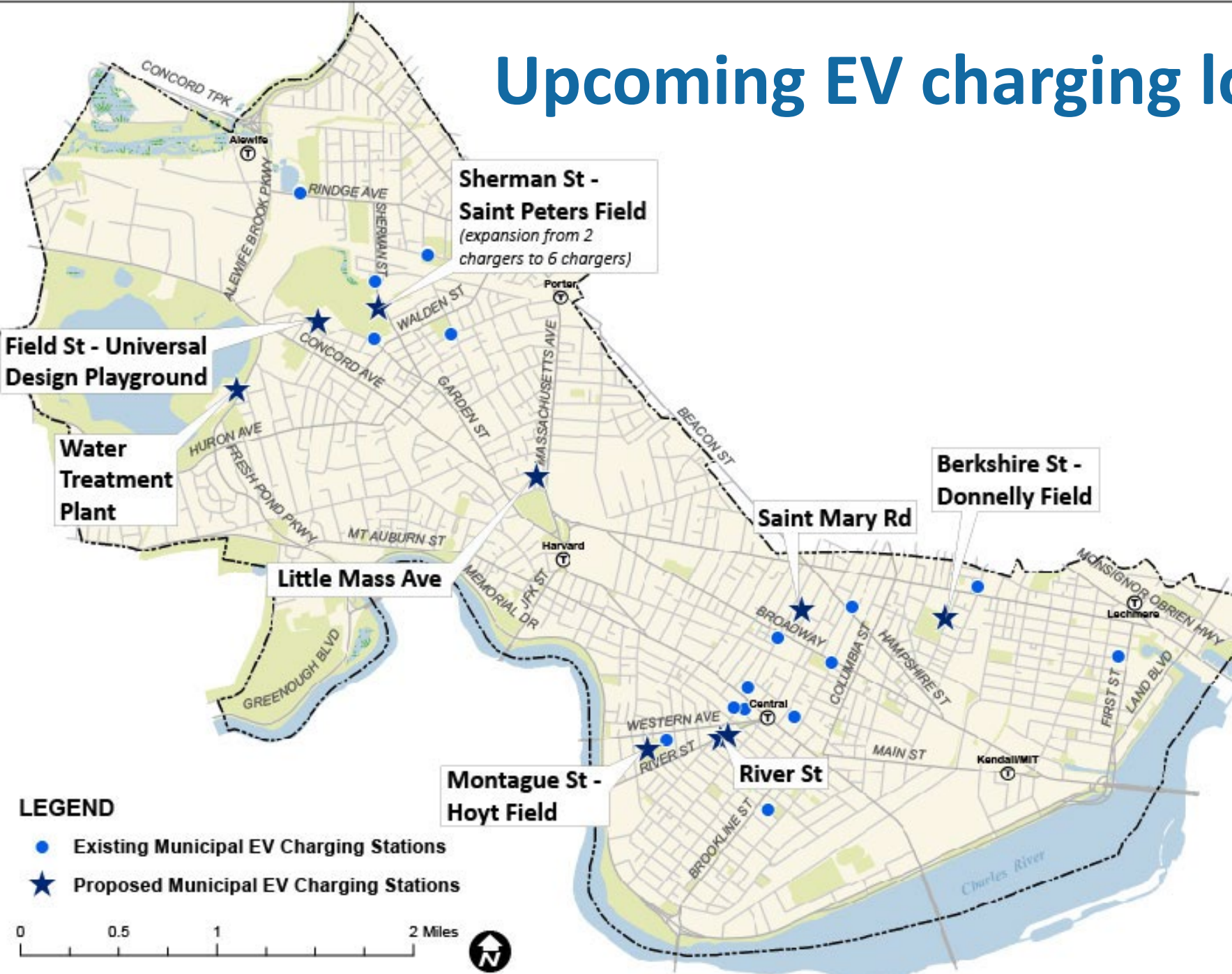
- **City Funding: Capital and Participatory Budget**
- **Grant Funding: \$1 million set aside by Rep. Ayanna Pressley**
- **Federal funding opportunities**
- **Eversource Make Ready / MassDEP Electric Vehicle Incentive Program**



Sherman St

# Upcoming EV charging locations

New locations planned for construction in 2024 + 2025



Where	Charging Heads
Saint Mary Rd	4
Berkshire St	4
Little Mass Ave	4
Fresh Pond	6
Montague St	4
River St	4
Field St	3
Sherman St	4

**Total: 33**

# Saint Mary Road

- Planned for late summer 2024
- 4 level-two charging heads
- Will remain residential permit parking
- Spot closest to intersection will be accessible



# Berkshire St at Donnelly Field

- Fall 2024
- 4 level-two charging heads
- Will remain residential permit parking
- Head-in parking at Donnelly Field –  
Opposite Marney Street



# Little Mass Ave

- Fall 2024
- 4 level-two charging heads
- Two spaces will remain metered parking
- Two spaces will remain residential permit parking
- New pedestrian curb ramp for accessibility



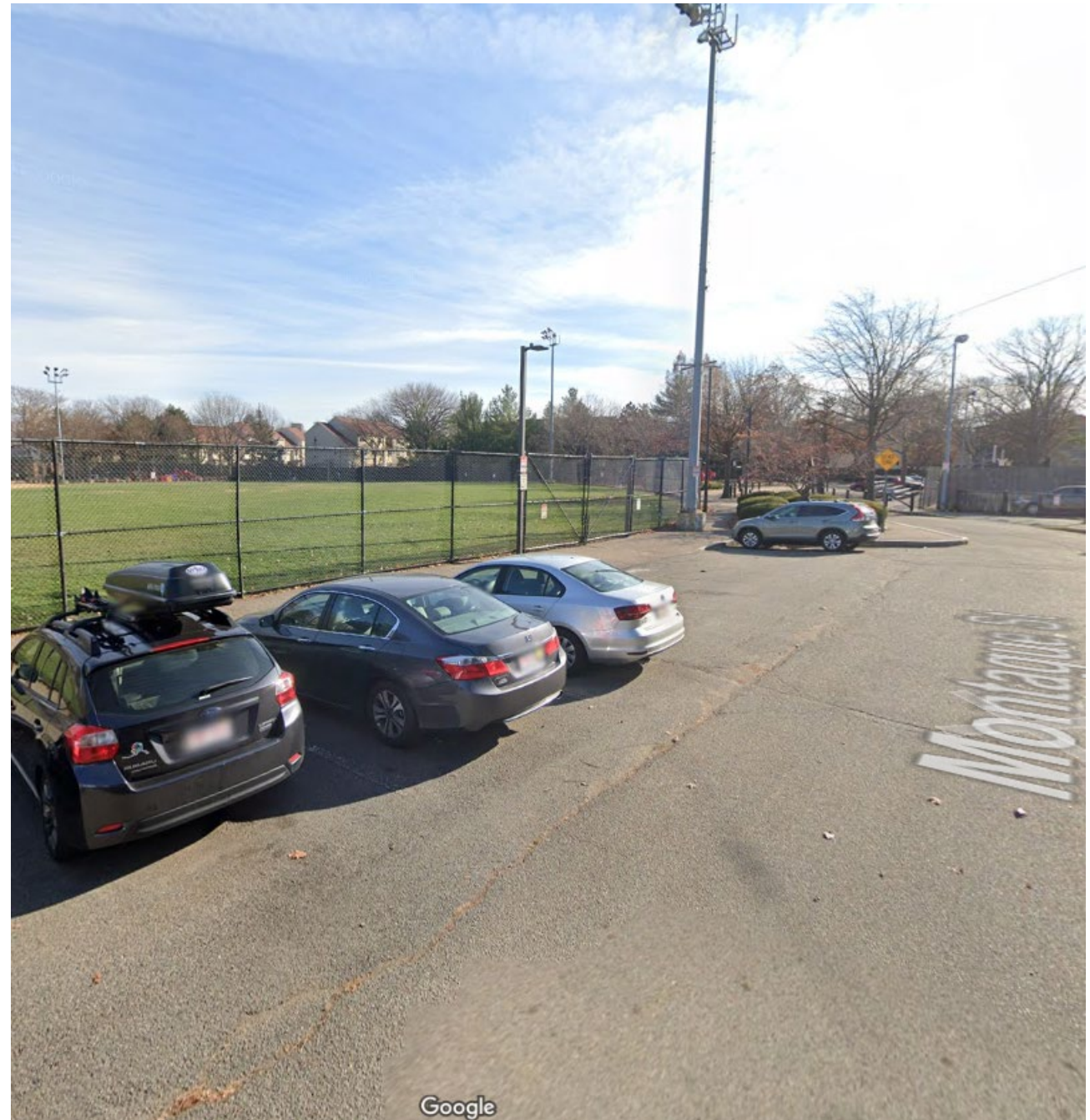
# Fresh Pond

- Construction is underway today
- Planned for late summer / early fall 2024
- 6 level-two charging heads
- Will remain residential permit parking parking
- Accessible spot with new pedestrian curb ramp to water treatment building



# Montague St at Hoyt Field

- Goal is by end of 2024
- 4 level-two charging heads
- Will remain residential permit parking parking
- Head-in parking at Hoyt Field





# Universal Design Playground - Field Street

- Goal is by end of 2024
- 3 level-two charging heads
- Accessible spot with new diagonal striping in the adjacent area for folks with accessible car ramps



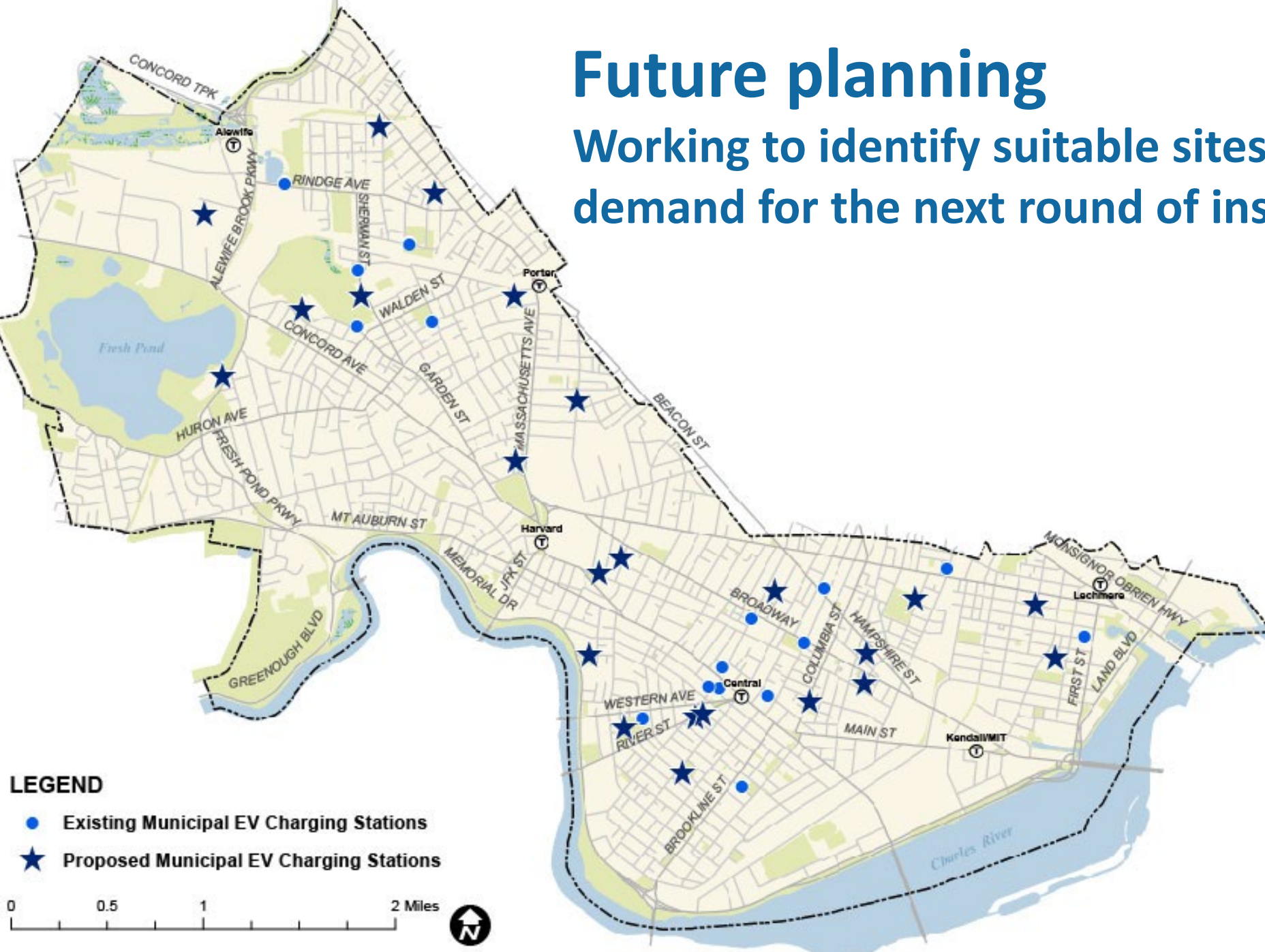
# Saint Peters Field – Sherman Street

- Goal is by end of 2024
- Expansion from 2 level-two charging heads to 6 level-two charging heads (4 new)
- No curbing present so no new pedestrian curb ramp needed
- One space with additional diagonal striping for folks with accessible car ramps



# Future planning

Working to identify suitable sites with high demand for the next round of installations





# Planning for the next round of installations – locations under consideration

- Columbia Street (Clement Morgan Park)
- Wheeler Street
- Harvard Street (Greene Rose Heritage Park)
- Harvard Street (Between Quincy and Prescott)
- Oxford Street (Baldwin School)
- Haskell Street
- Corporal McTernan Street (Dana Park)
- Ware Street
- Flagg Street (Corporal Burns Playground)
- Market Street (Arthur Shallow Playground)
- Upland Road (near Richdale)
- Cedar Street
- Charles Street (Anthony Costa Playground)
- Sciarappa Street (Silva Park)

# Next Steps

- Secure federal \$1 million and work with MassDOT
- Design next round(s) of locations for construction
- Review locations for fast charging
- Continue to review input into the online public input map
- Sign up for our e-newsletter, where we will send out updates when stations come online later in 2024

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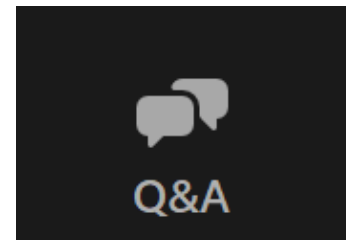


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# City of Cambridge

Community Development Department + Department of Public Works

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# Thank You

