

TREMONT ST SAFETY IMPROVEMENTS

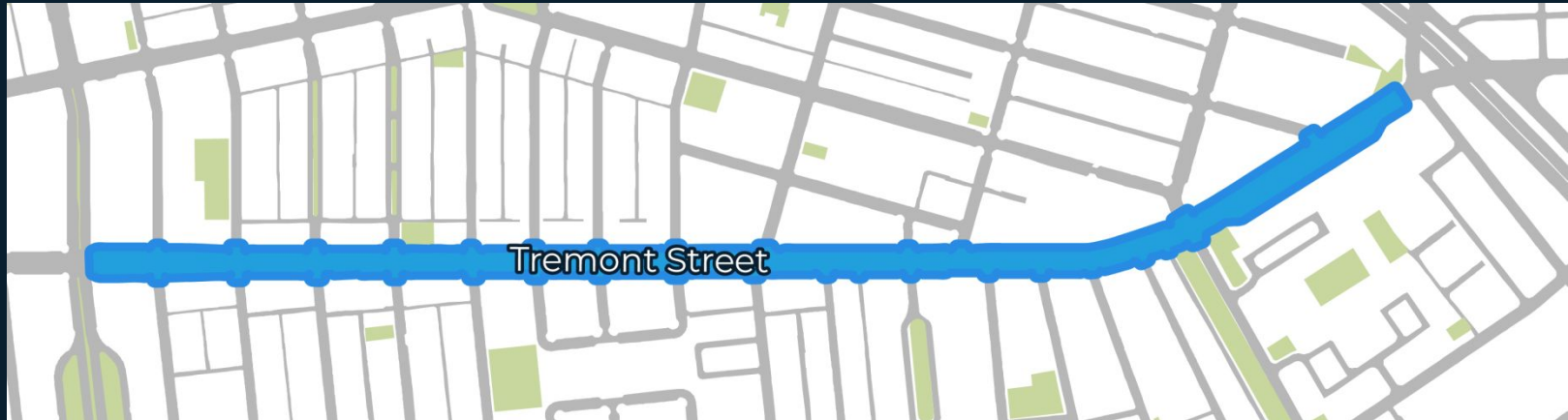
(Massachusetts Ave to Herald St)

Wednesday, May 5, 2020

South End Landmarks District Commission Hearing



PROJECT AREA



Our project covers Tremont St between Massachusetts Avenue and Arlington Street. We are not making changes to the intersections at either end.

MULTIPLE-THREAT CRASH



PUBLIC ENGAGEMENT

FALL 2017	Tremont St identified a priority corridor for safety improvements
SPRING 2018	Public meetings to create shared goals
SUMMER 2018	Business outreach
NOVEMBER 2018	Public meeting to share concepts based on goals
WINTER 2018 – SPRING 2019	+ Continued public outreach: meetings at Castle Square, Villa Victoria, and Peoples Baptist + Office hours at BPL South End
SUMMER & FALL 2019	+ Public meetings + Office hours at BPL + Tabling at community events
WINTER 2019-2020	Business outreach & public meeting

ONGOING COLLABORATION

We also have been in working with our colleagues in the following departments/agencies:

- ▶ Commission for Persons with Disabilities
- ▶ Public Works Department
- ▶ MBTA Operations and System-wide Accessibility
- ▶ Mayor's Office of Neighborhood Services
- ▶ Boston Water and Sewer Commission

PROJECT SCOPE

We propose the following changes:

- ▶ Lane and dimension allocation
- ▶ Signal timing and phasing
- ▶ Relocating bus stops
- ▶ Crosswalk improvements
- ▶ Curbside uses and regulations

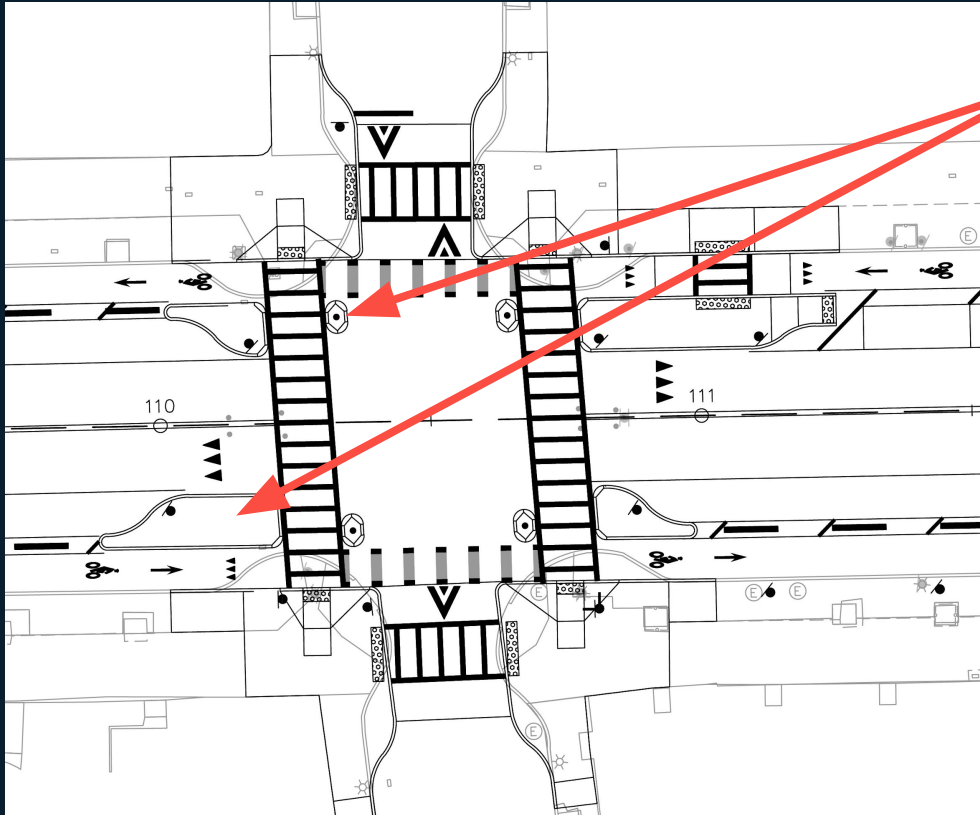
Because this is not a full reconstruction project, we are not changing street lighting, trees, or midblock drainage.

DESIGN CONSIDERATIONS

Essential design elements for project success:

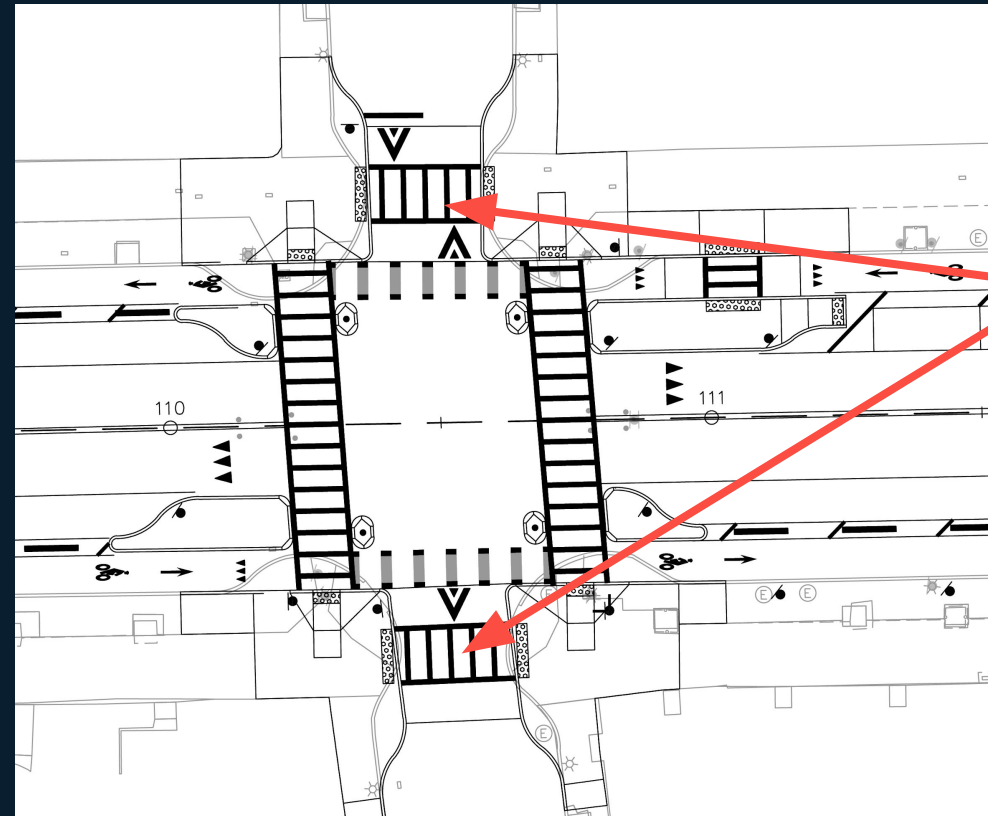
- ▶ Best-practice tools for pedestrian safety and conspicuity
- ▶ Adequate turning lanes and time at signalized intersections to manage traffic (vehicles, pedestrians, and bicyclists)
- ▶ Meeting all dimensional requirements for BFD vehicles
- ▶ Historic requirements for tactile pads and existing brick sidewalks
- ▶ Supporting citywide goals as outlined in *Go Boston 2030*

BUILT ELEMENTS



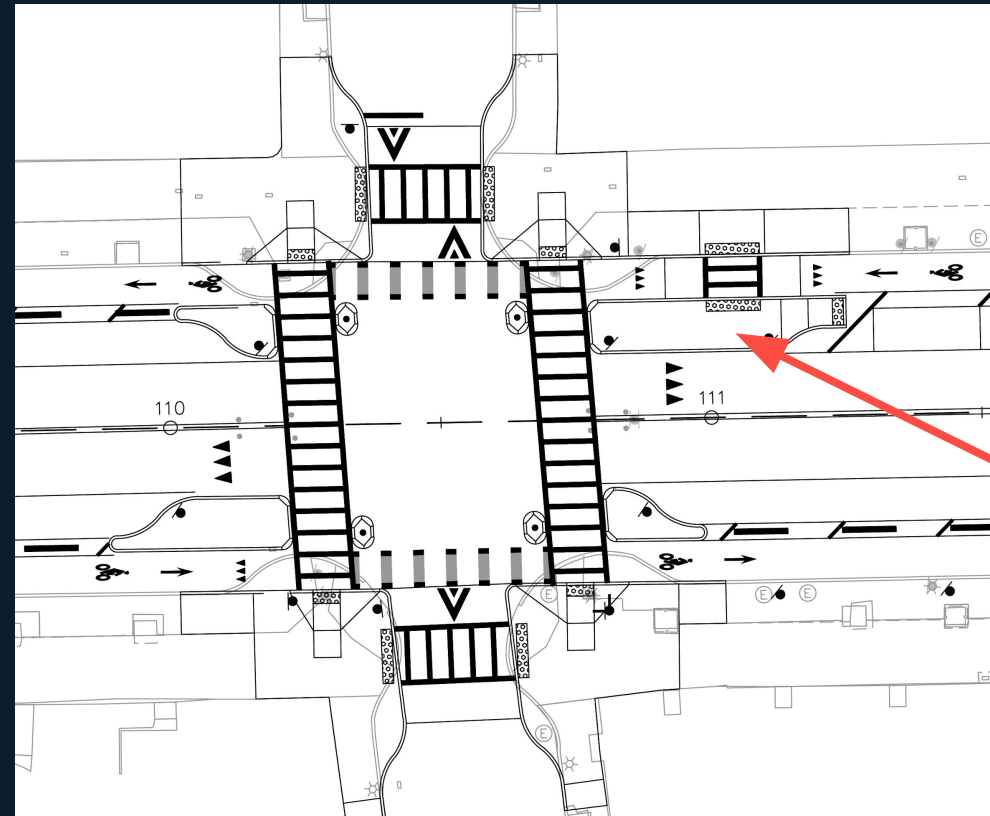
- Pedestrian crossing islands & built daylighting replace curb extensions
- Raised crosswalks on side streets (unsignalized intersections)
- Bus boarding islands
- Paths to sidewalk for accessible parking spaces
- Parking-protected bike lane

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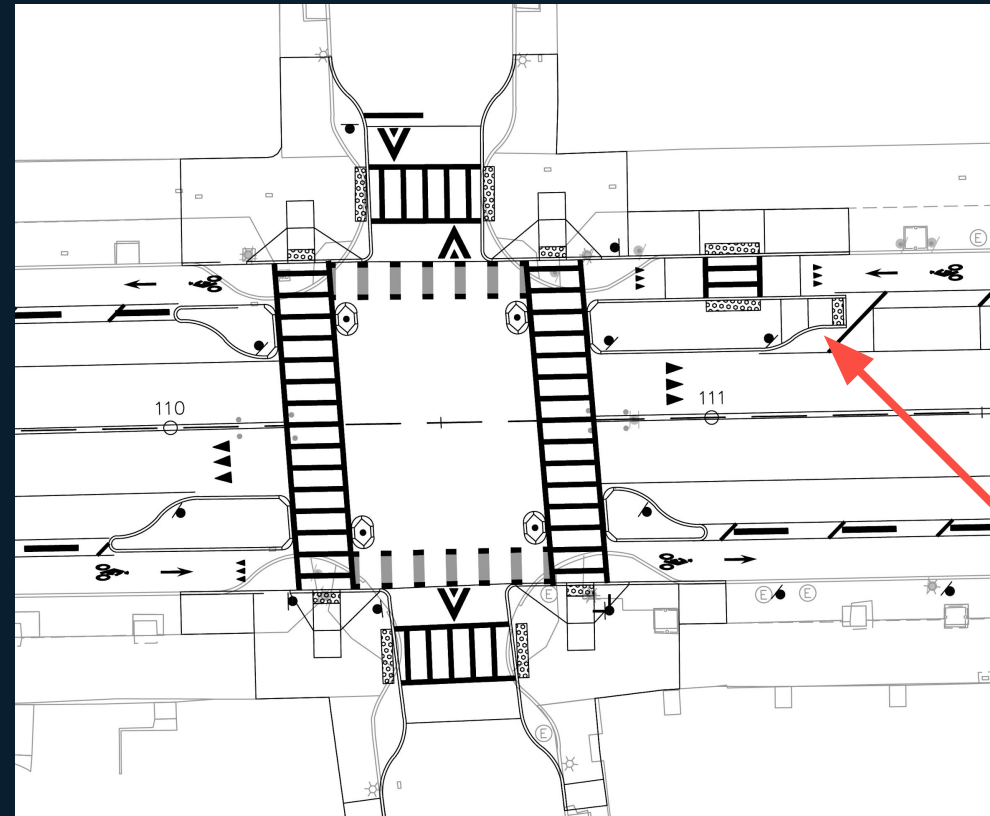
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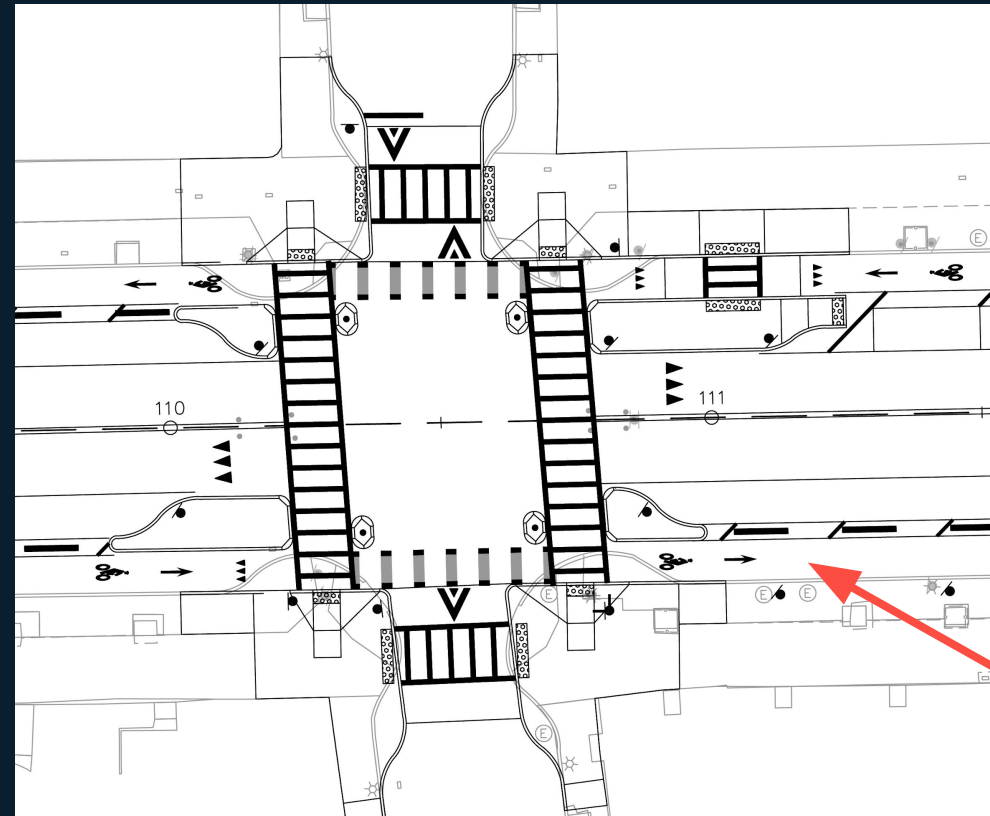
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SIDE STREET CROSSWALKS



RAISED CROSSWALKS



Keeps you out of the slush and the ponding



Lined up with how people want to cross the street

EXAMPLES FROM OTHER PLACES



Hemenway at Forsyth



Cambridge, MA

CHANGES AT CORNERS



PEDESTRIAN CROSSING ISLANDS

- ▶ Placed between bike lane and travel lane
- ▶ Improve pedestrian visibility
- ▶ Manages speeds of turning vehicles



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BUS STOP BOARDING ISLANDS

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- ▶ Space for bus passengers to wait, board, and alight
- ▶ Bike lane is between the sidewalk and boarding island
- ▶ Buses stay in the travel lane
- ▶ Drivers need to wait behind stopped bus



Commonwealth Ave

HOW BOARDING ISLANDS WORK



EXAMPLES IN OTHER CITIES

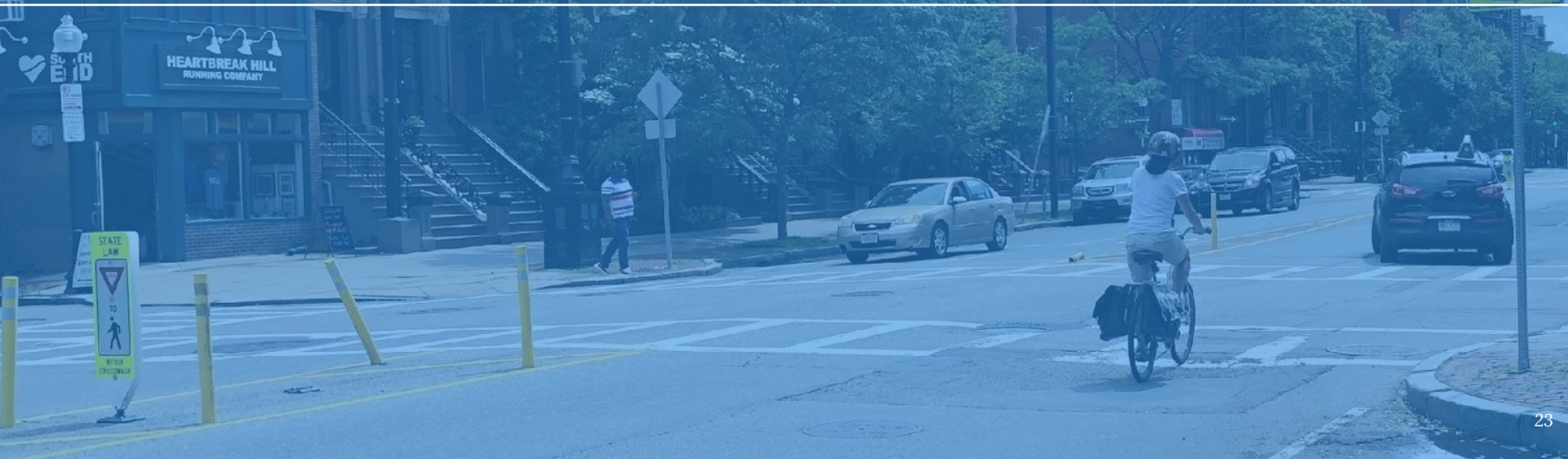


*San Francisco
(under construction)*



Cambridge, MA

BIKE LANE SEPARATION AND MAINTENANCE



PLANNED SEPARATION

- ▶ Pre-cast concrete curbs along parking
- ▶ Pinned in place, more permanent than flex posts
- ▶ Design carefully for drainage needs, accessible parking spaces
- ▶ Flat, wide top minimizes risk of tripping



Winnipeg, MB

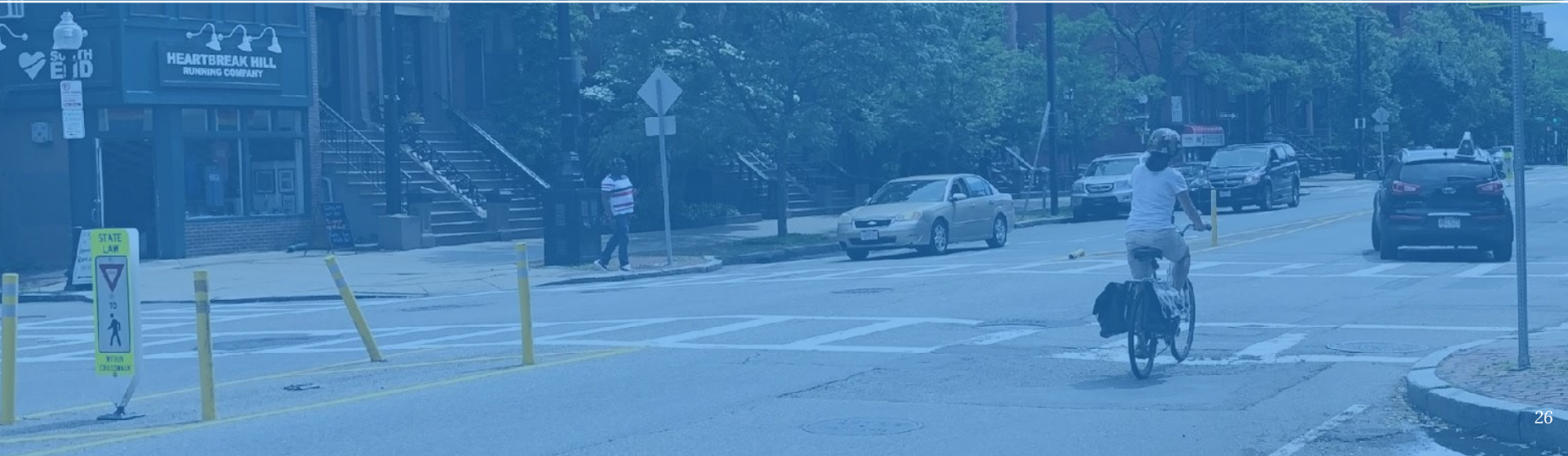
SWEEPING AND PLOWING BIKE LANE

- ▶ Design for the street maintenance vehicles
 - ▶ City of Boston already sweeps and plows separated bike lanes
- ▶ Aiming for 7.5' total clear space (bike lane + some buffer space) for maximum flexibility in equipment



Columbus Ave

RECTANGULAR RAPID FLASH BEACON



APPLETON STREET CROSSWALK

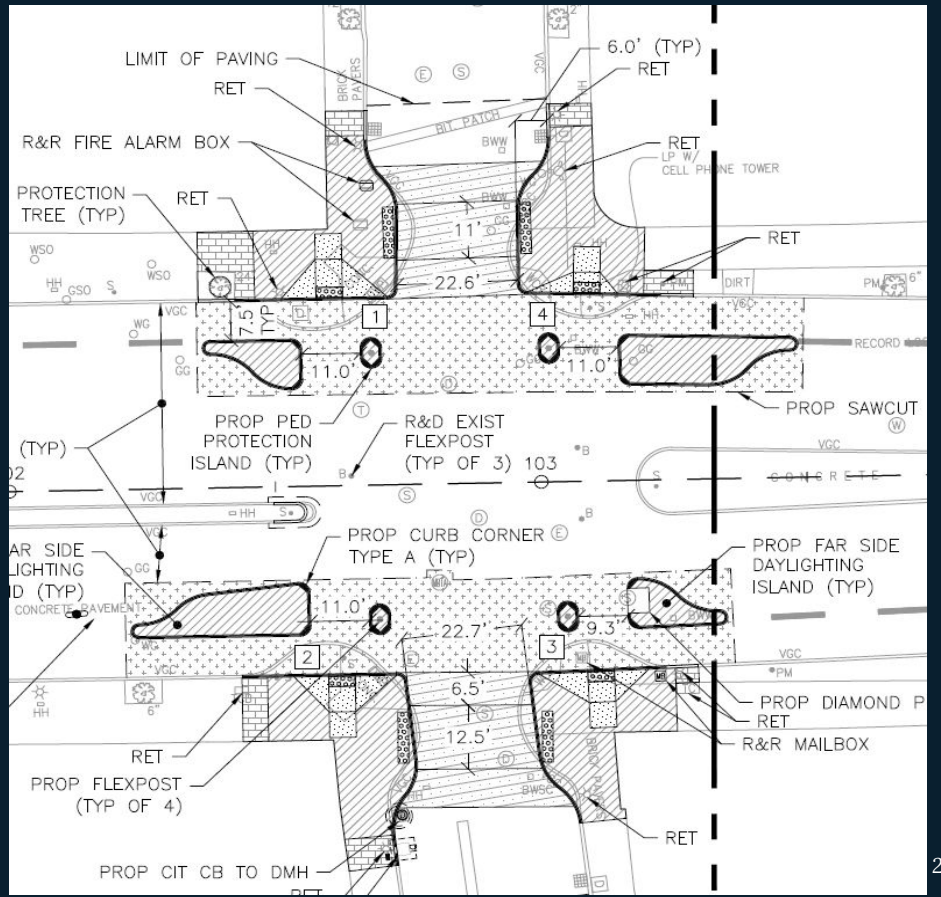
- ▶ Unsignalized crosswalk
- ▶ Serves Castle Square
- ▶ Midblock with moderate distances between intersections



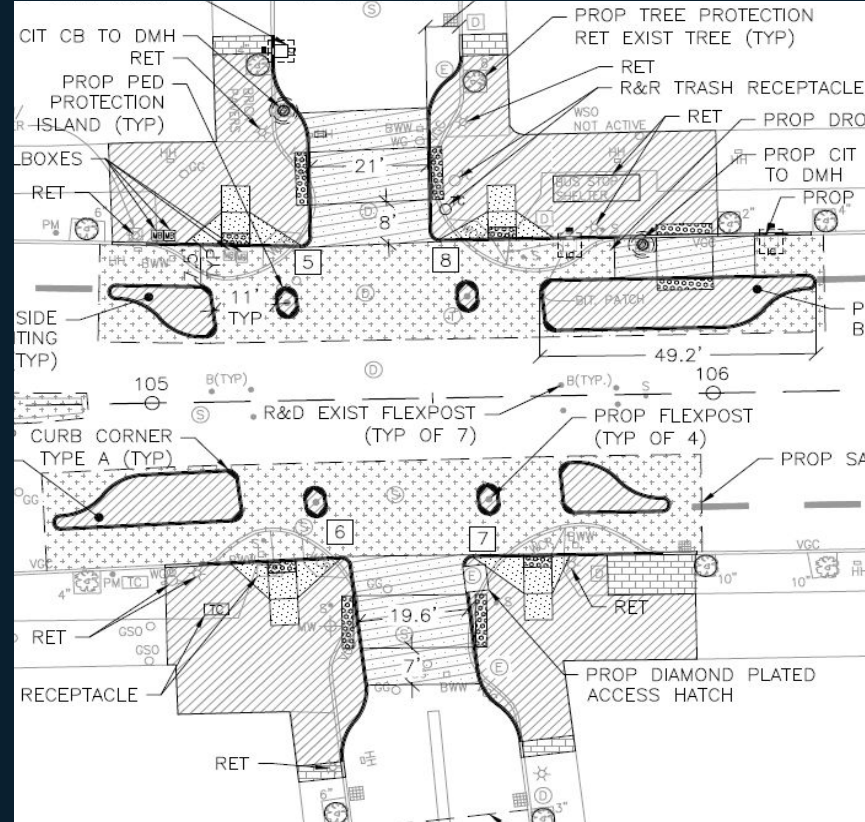
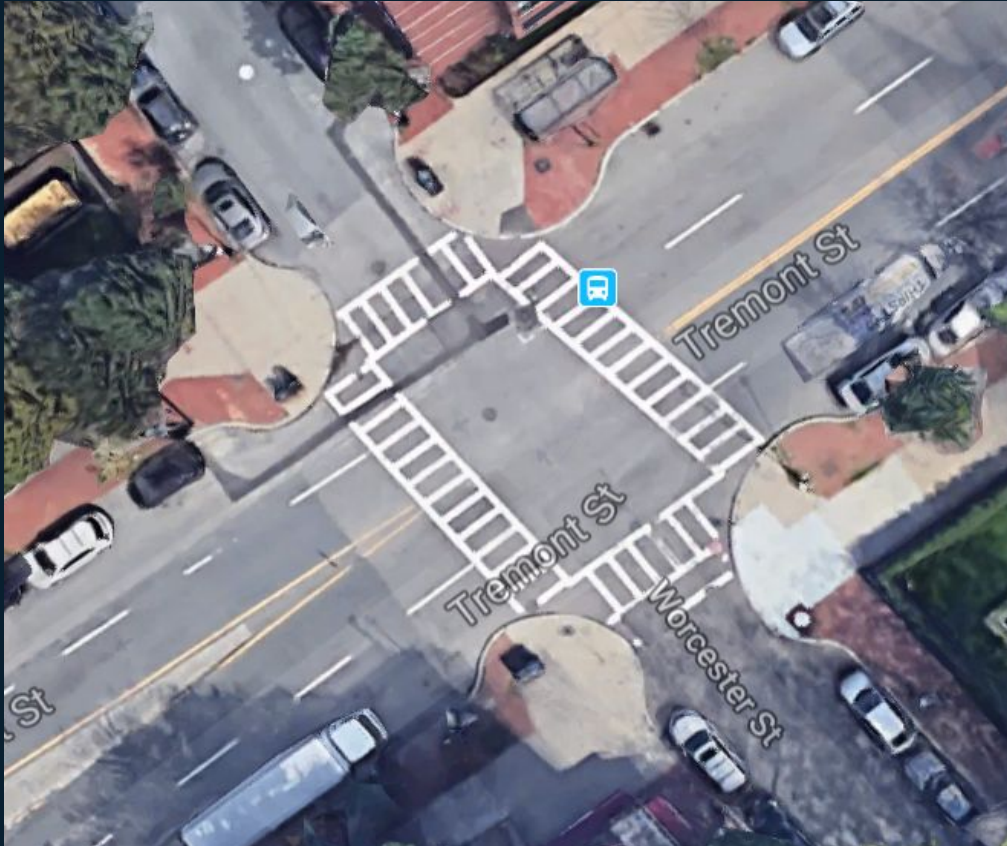
INTERSECTIONS



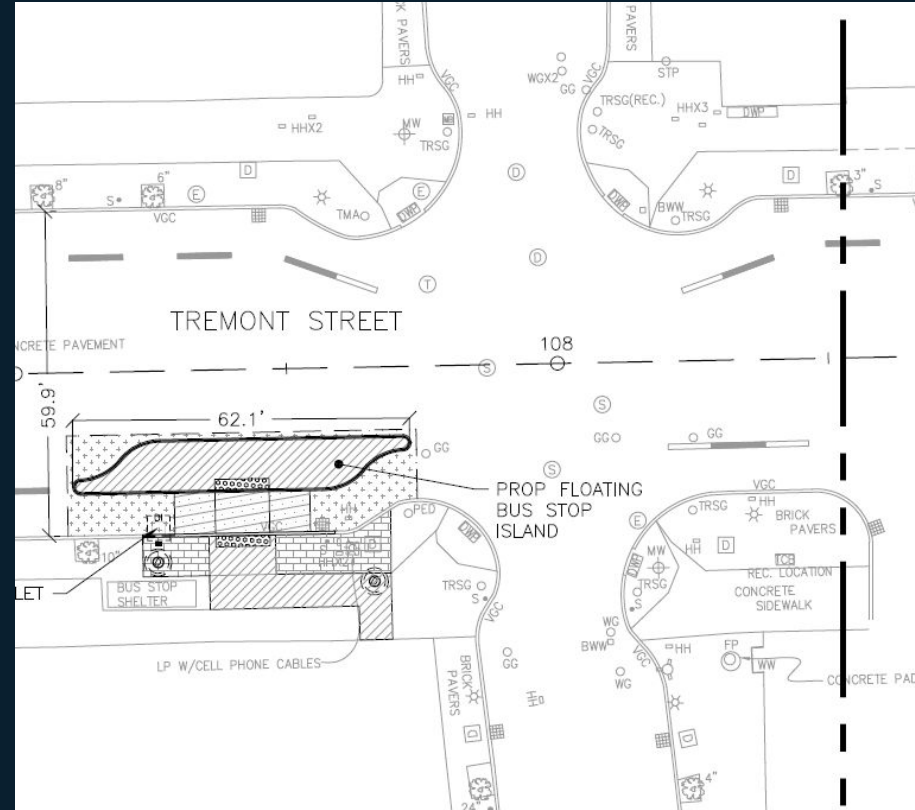
WEST SPRINGFIELD STREET



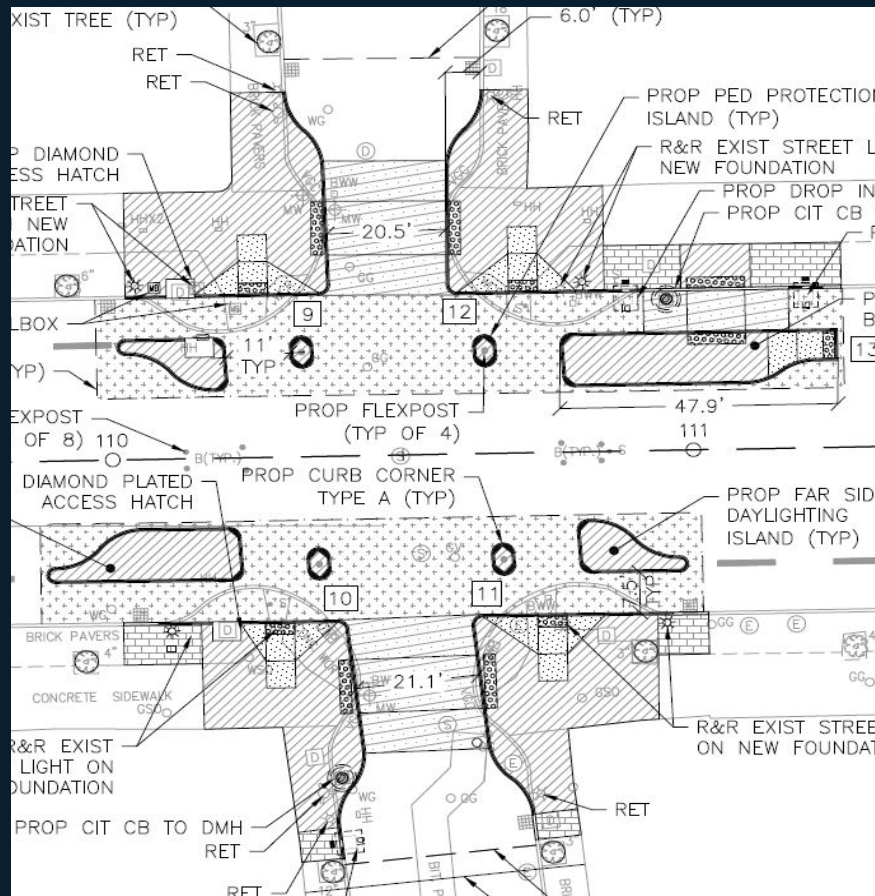
WORCESTER STREET



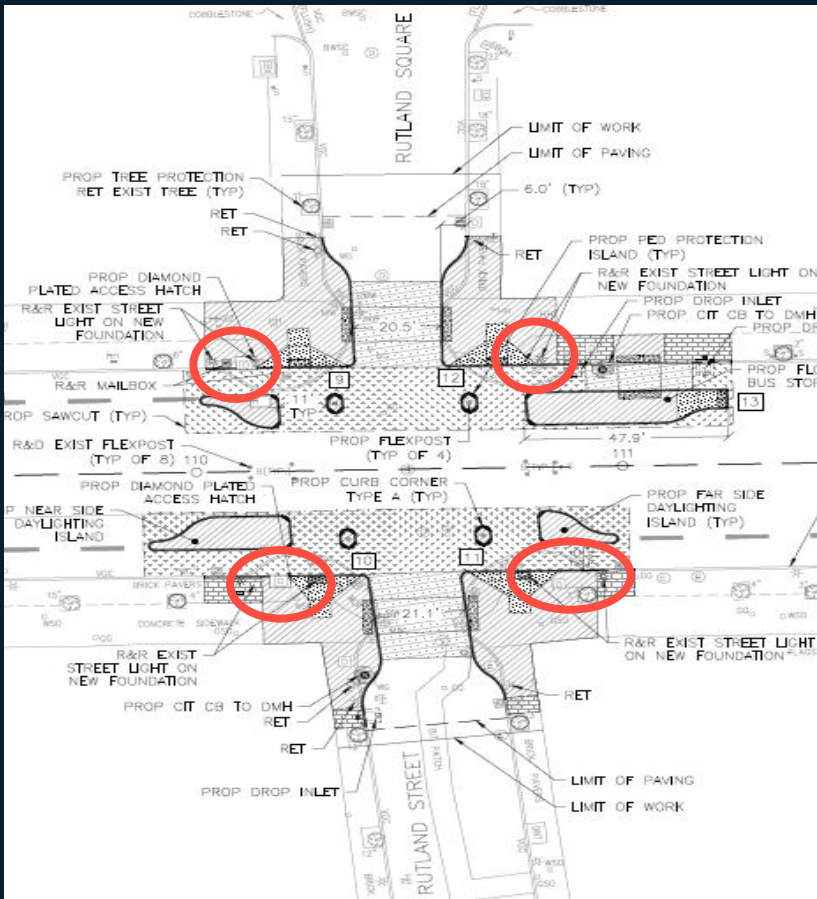
CONCORD SQUARE/STREET



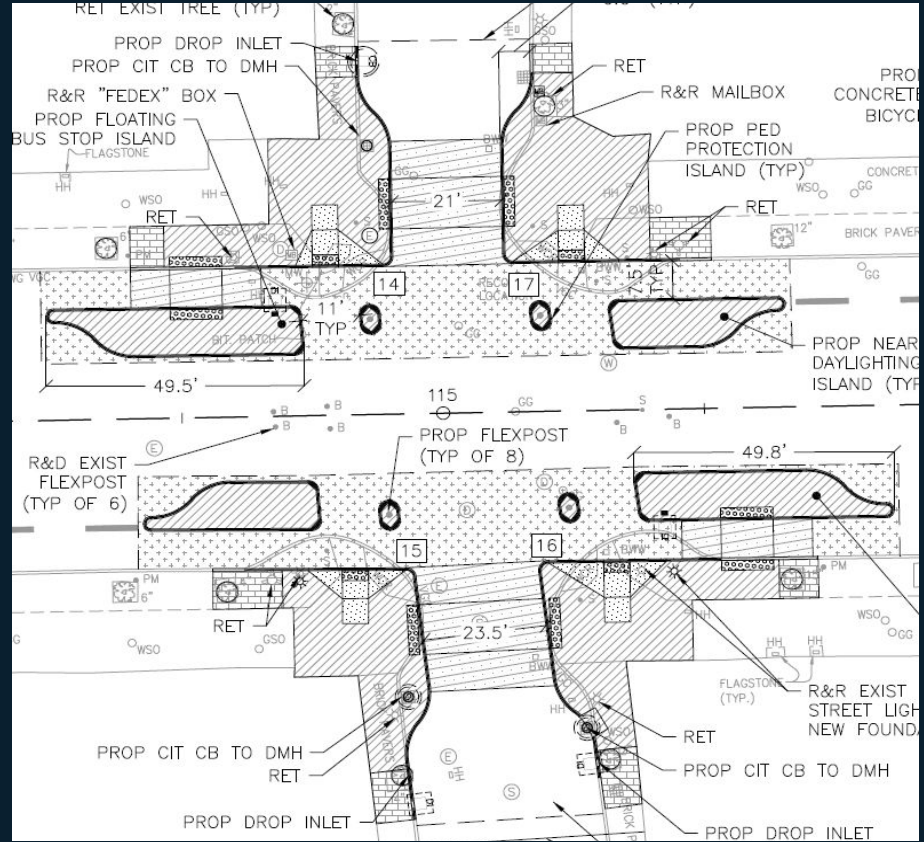
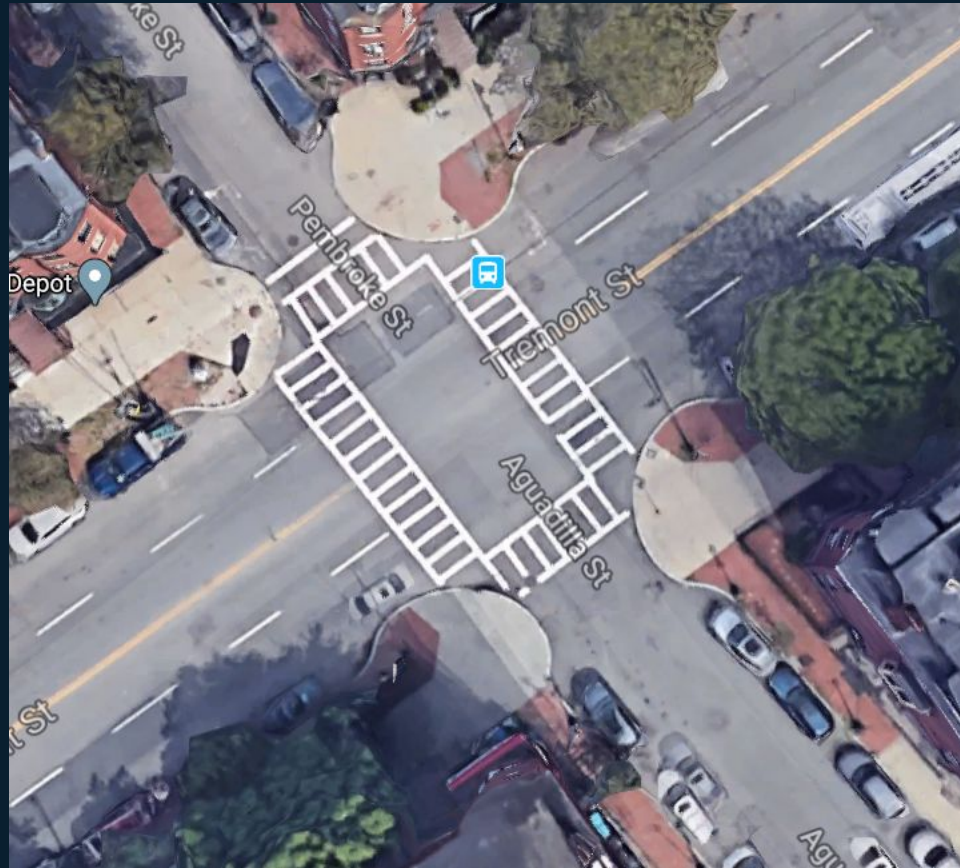
RUTLAND SQUARE/STREET



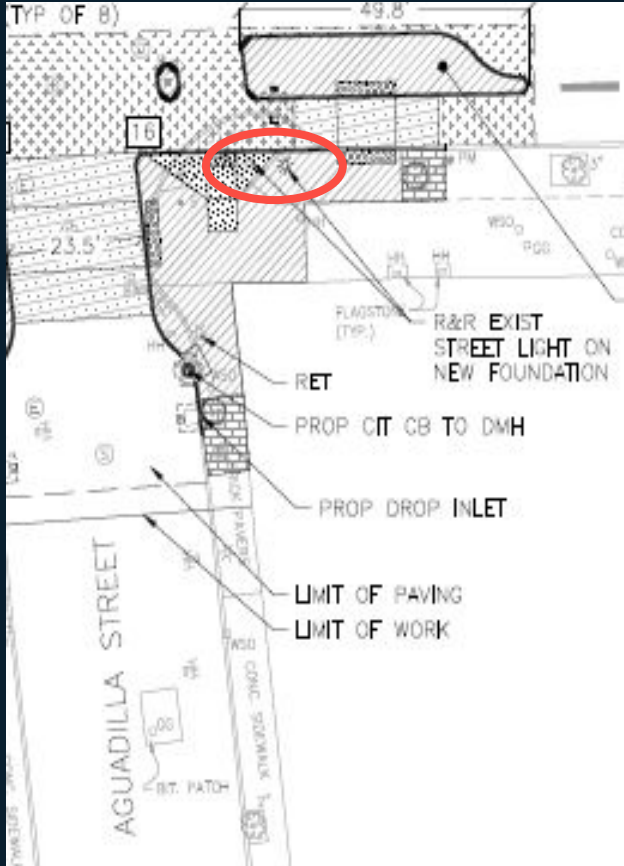
RUTLAND SQUARE/STREET



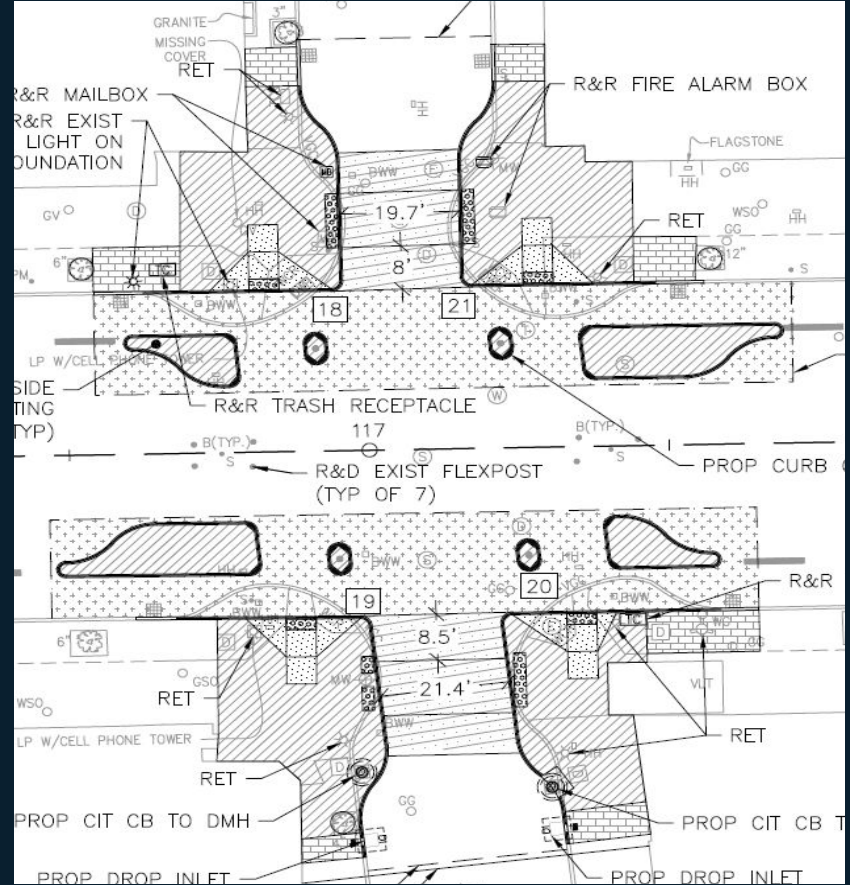
PEMBROKE / AGUADILLA STREETS



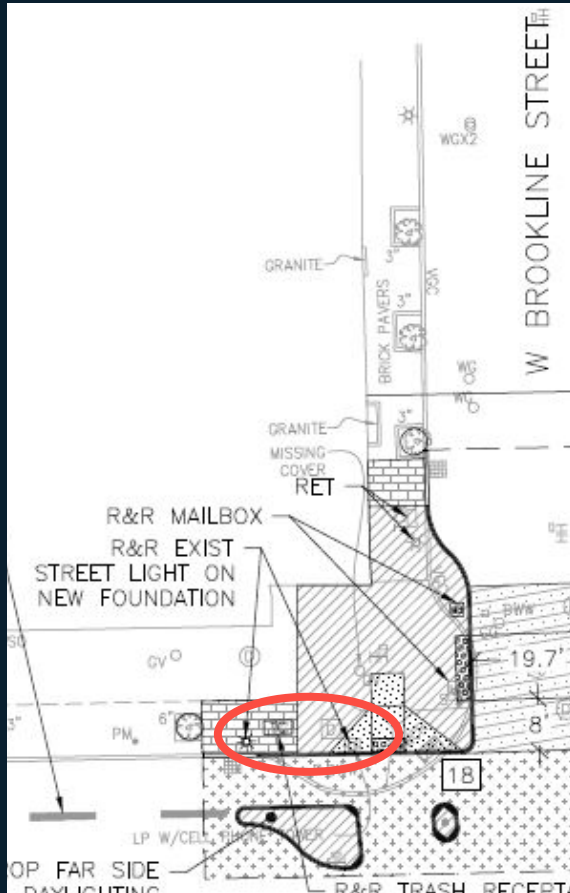
AGUADILLA STREET (SE CORNER)



WEST BROOKLINE STREET

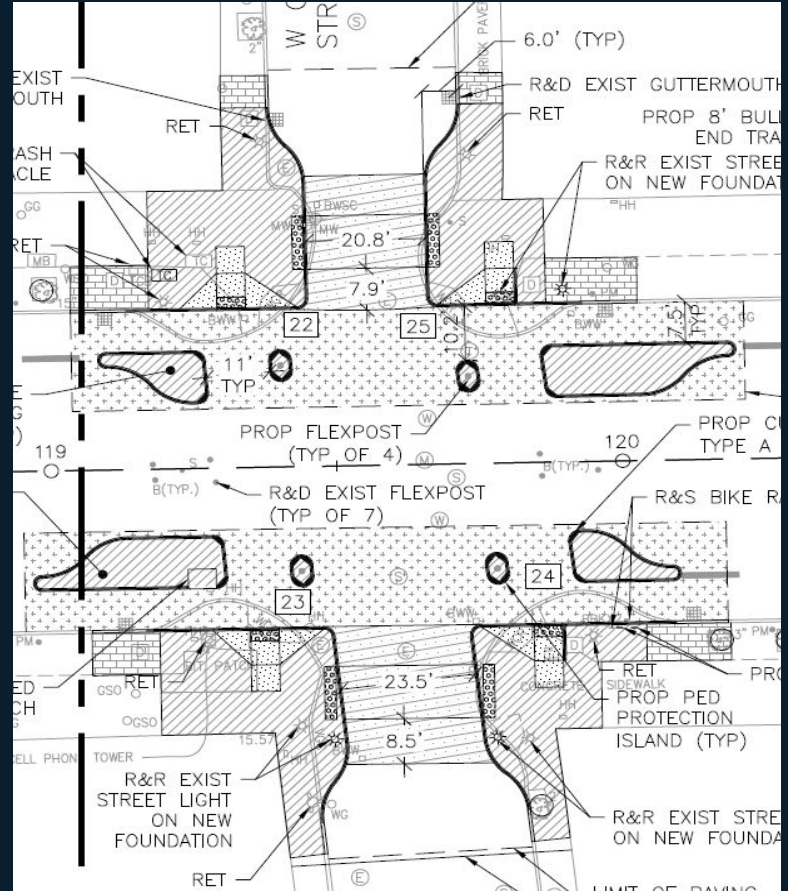


WEST BROOKLINE STREET (NW CORNER)

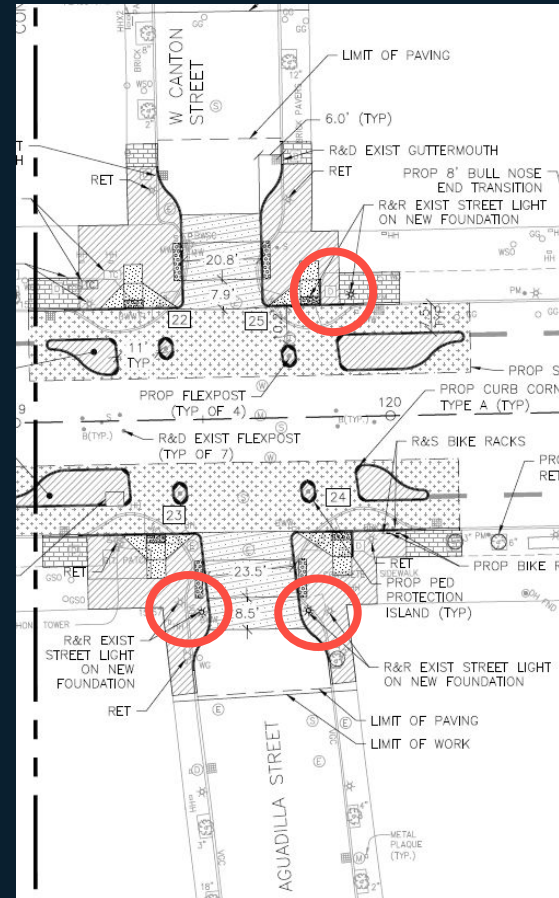


Google

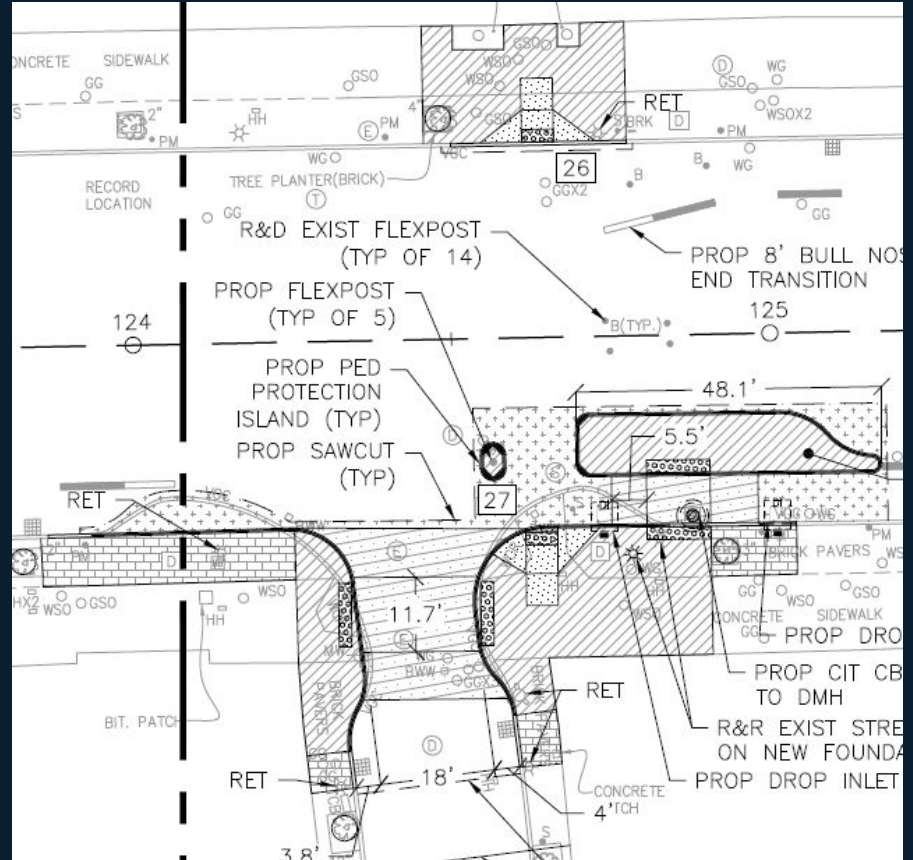
WEST CANTON / AGUADILLA STREETS



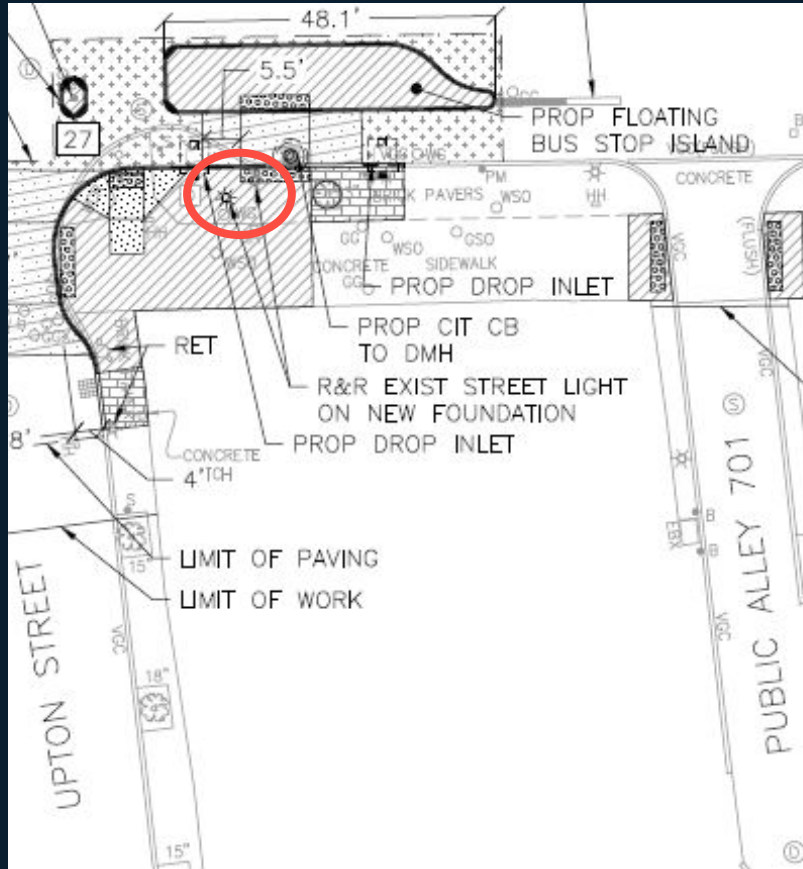
WEST CANTON / AGUADILLA STREETS



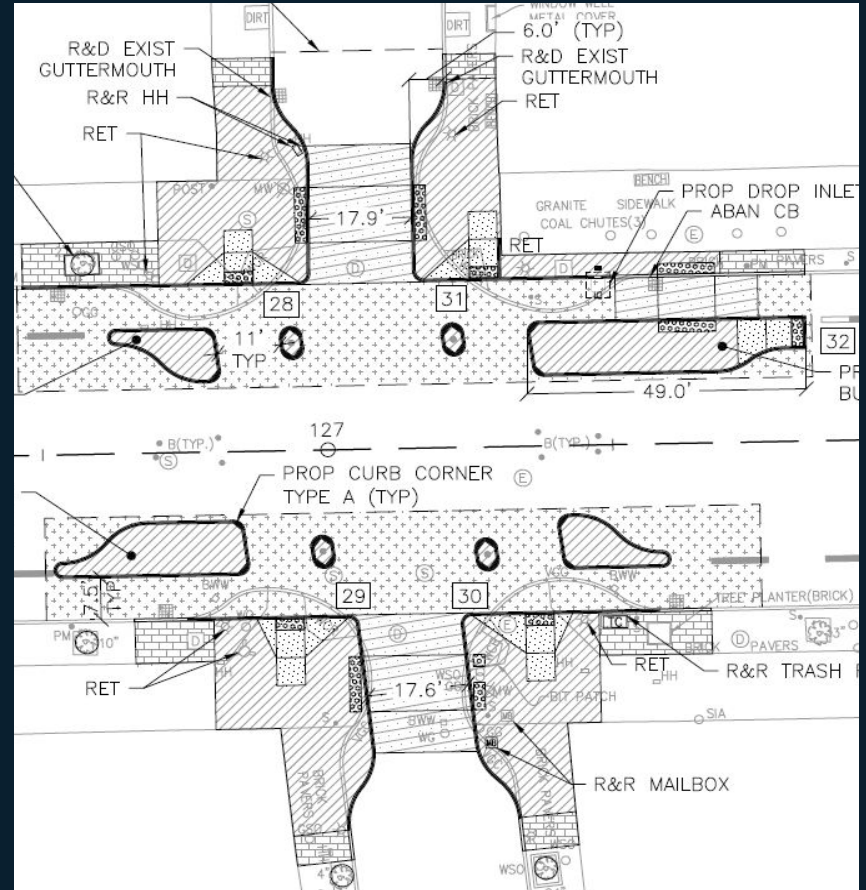
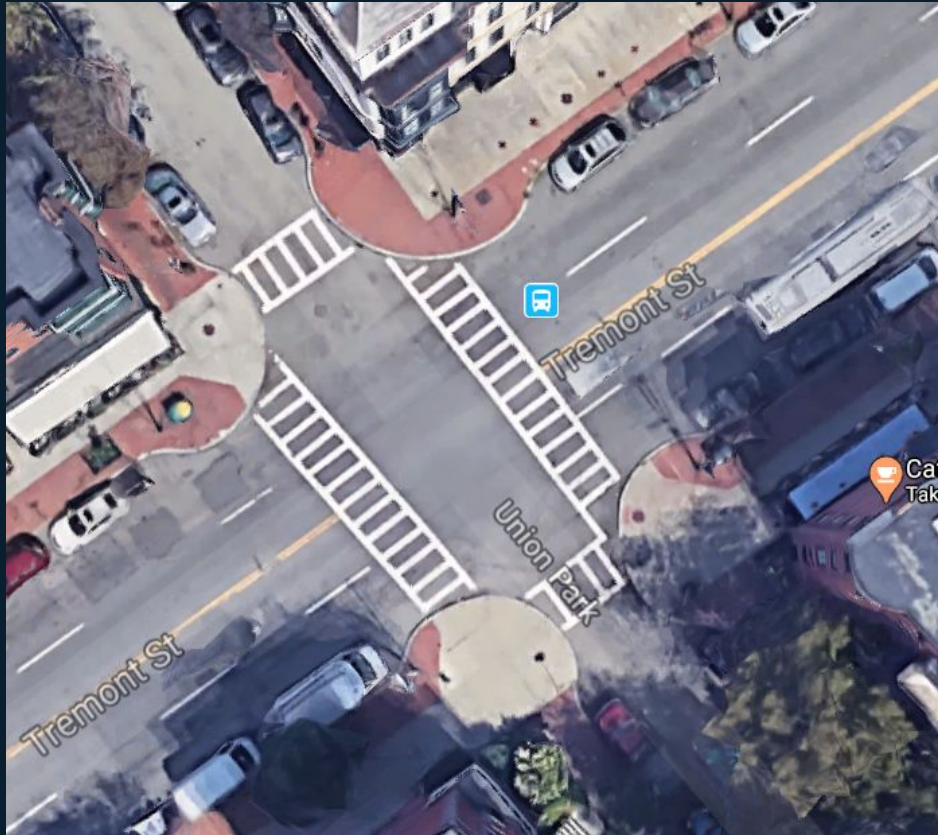
UPTON STREET



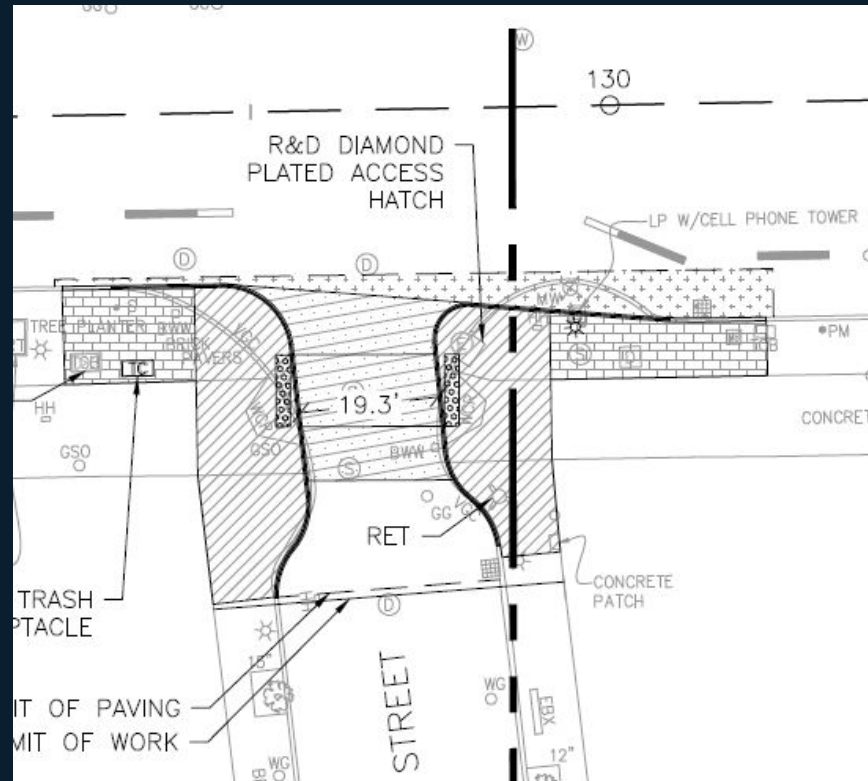
UPTON STREET (SE CORNER)



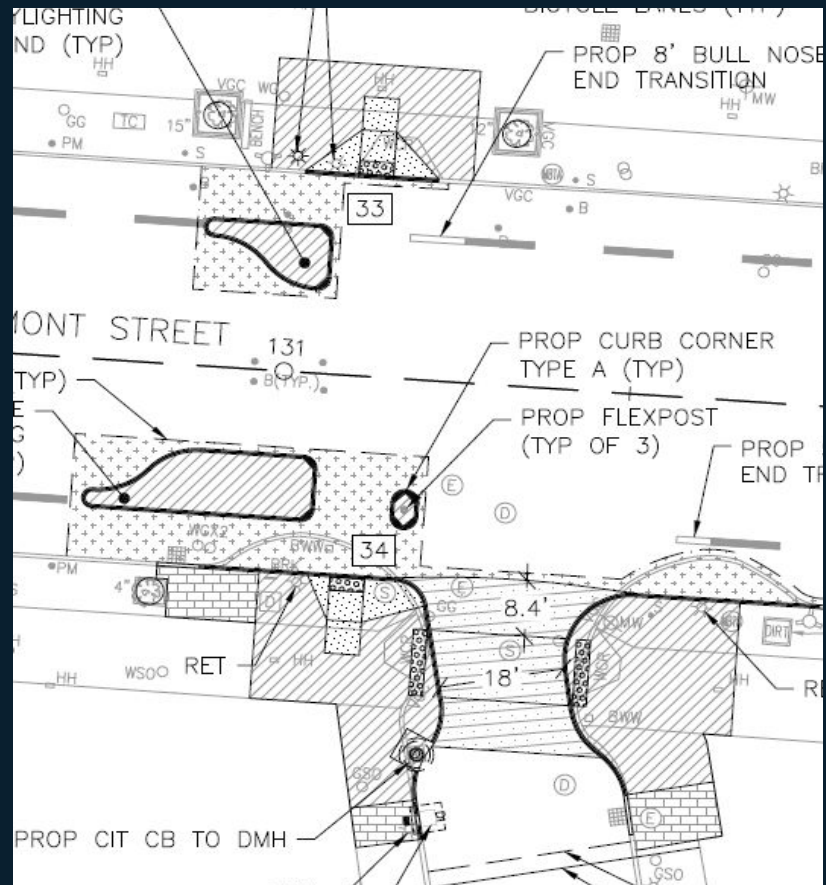
UNION PARK



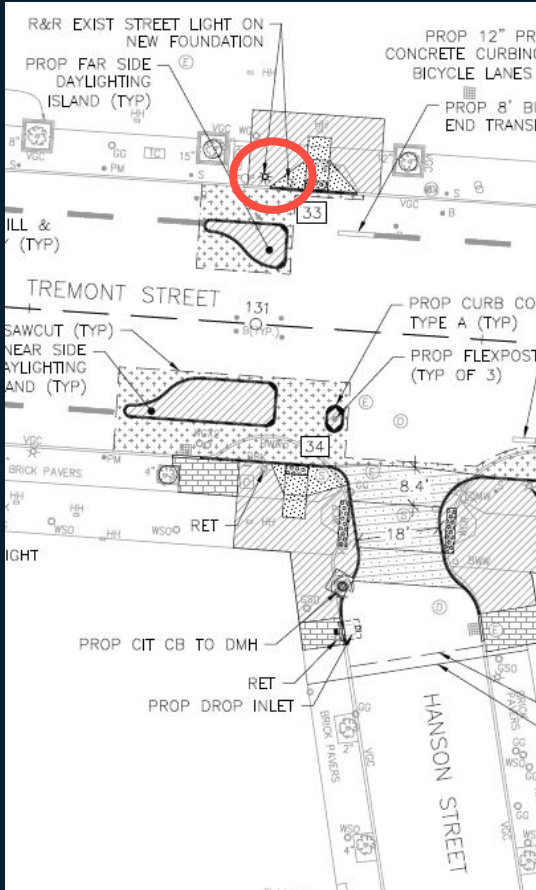
WALTHAM STREET



HANSON STREET



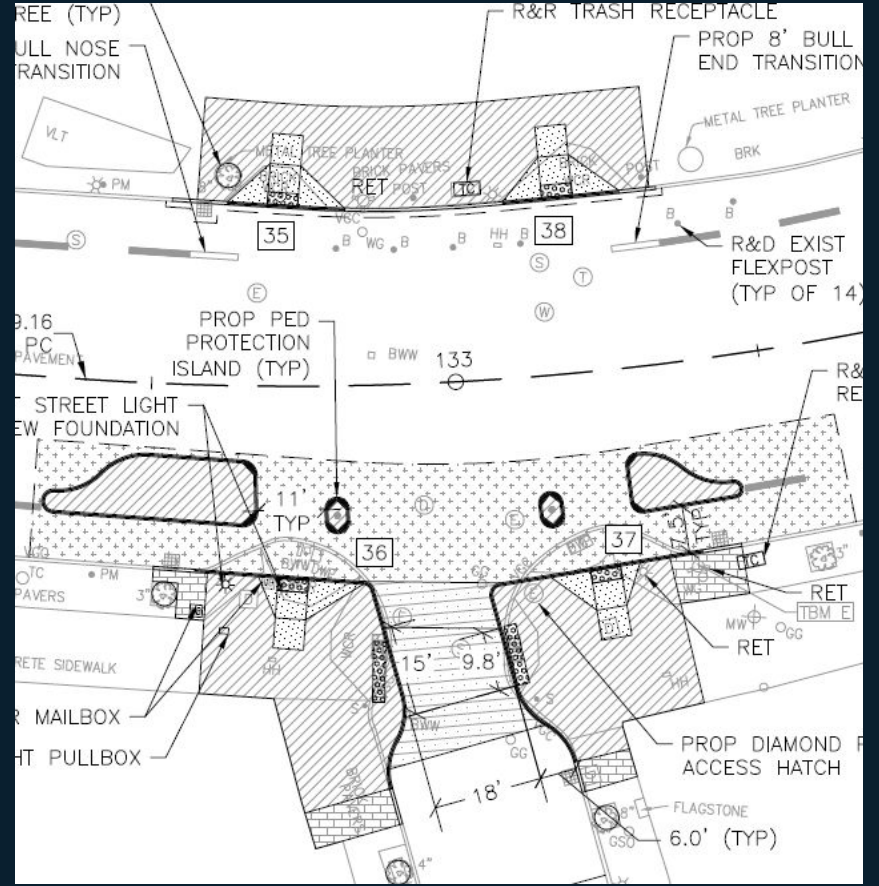
HANSON STREET (NW SIDE)



MILFORD STREET



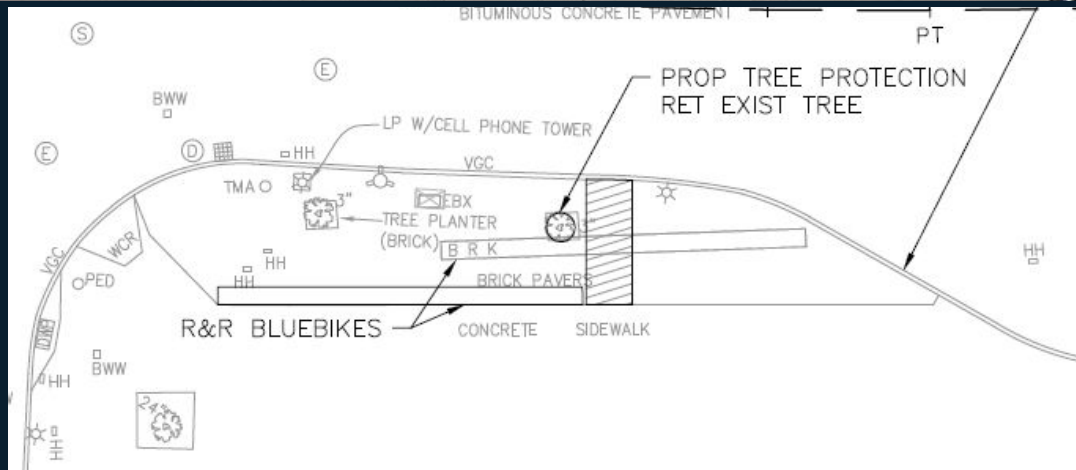
Elderwood Pavilion
at the Boston Center...
temporarily closed



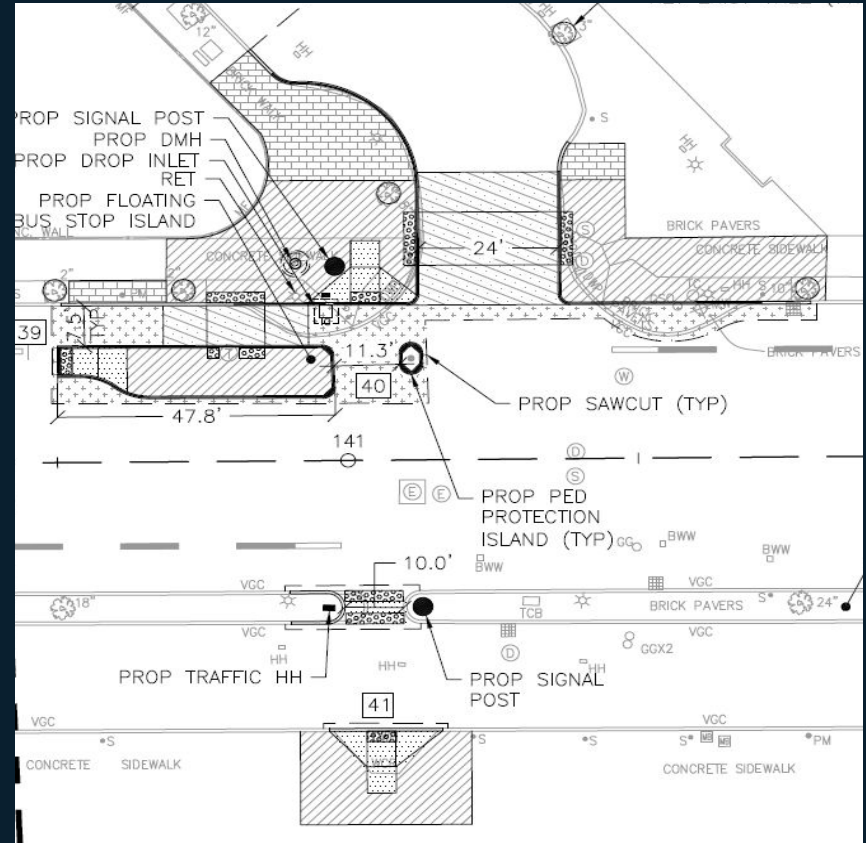
DWIGHT STREET



BERKELEY STREET BUS STOP RELOCATION



APPLETON STREET



A blue-tinted photograph of a dog on a sidewalk. The dog is in the center-right of the frame, looking towards the camera. The sidewalk is made of large, light-colored tiles. There are shadows cast across the sidewalk, suggesting a sunny day. The overall image has a monochromatic blue color scheme.

THANK YOU

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