

Concord Ave Neighborhood Sewer Separation Project Concord Avenue Community Meeting – June 27, 2013



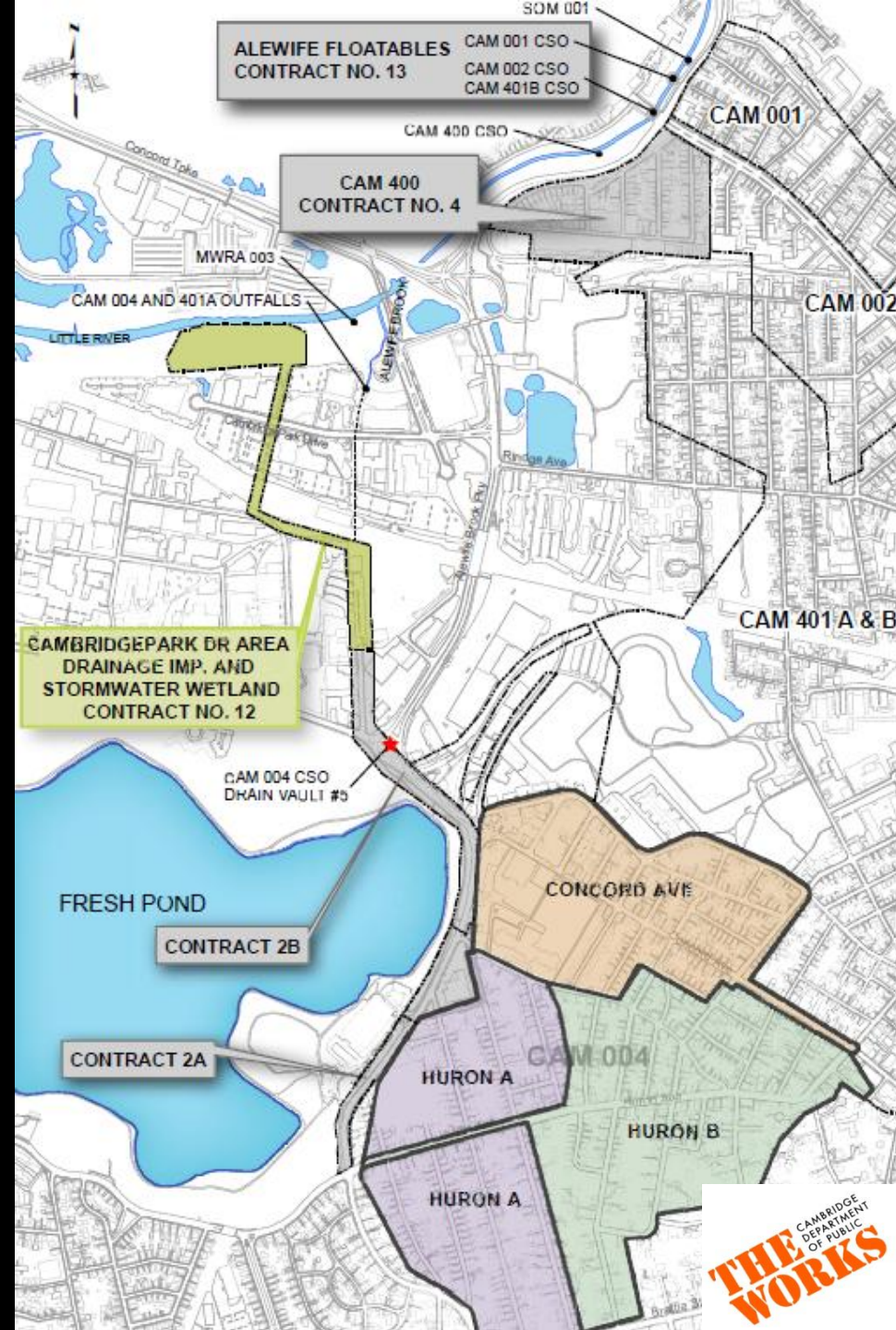
Concord Ave Neighborhood: Concord Avenue

Meeting Agenda

- Project Overview + Update Catherine Daly Woodbury
- Update and Review of Community Input
- Streetscape Options Kathy Watkins
- Landscape/Water Quality Options
- Concord Ave Streetscape Concepts
- Bike Facility and Bus Stop Accommodations
- Proposed Parking Regulations
- Next Steps KyAnn Anderson
- Contact Information
- Breakout Groups

Alewife Brook Sewer Separation Project

- Court-ordered clean up of Boston Harbor requires implementation of the Long Term Control Plans for Combined Sewer Overflow (CSO) for Alewife Brook
- Opportunity for improved neighborhood infrastructure



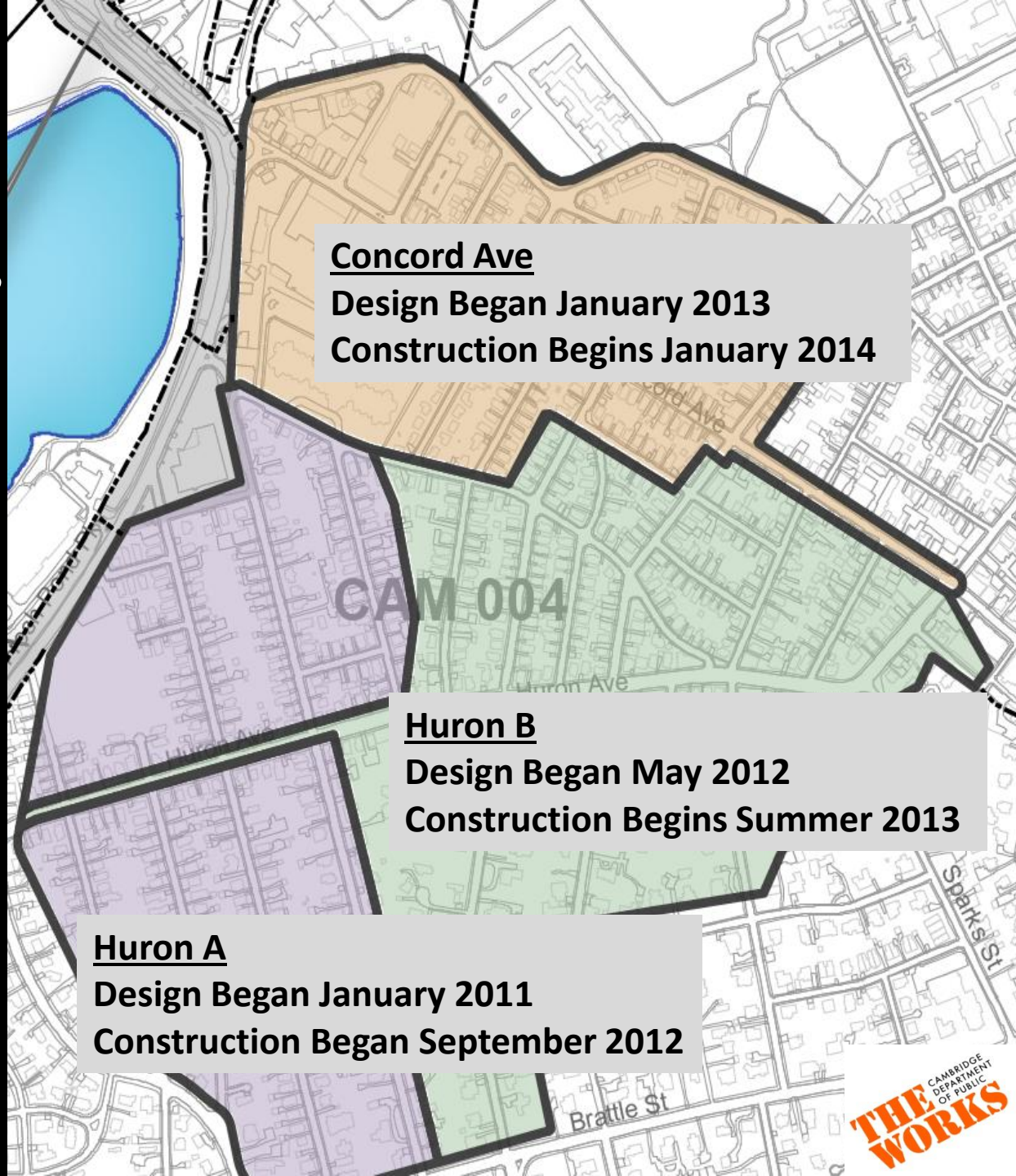
Huron/Concord Project Areas

Sewer improvements on all 3 contracts to be complete by December 2015

Surface restoration to be complete by 2016

Sewer separation will:

- Eliminate CSOs from this neighborhood
- Improve stormwater quality discharges to Alewife Brook
- Marginal improvement on local flooding



Concord Ave

Design Began January 2013

Construction Begins January 2014

Huron B

Design Began May 2012

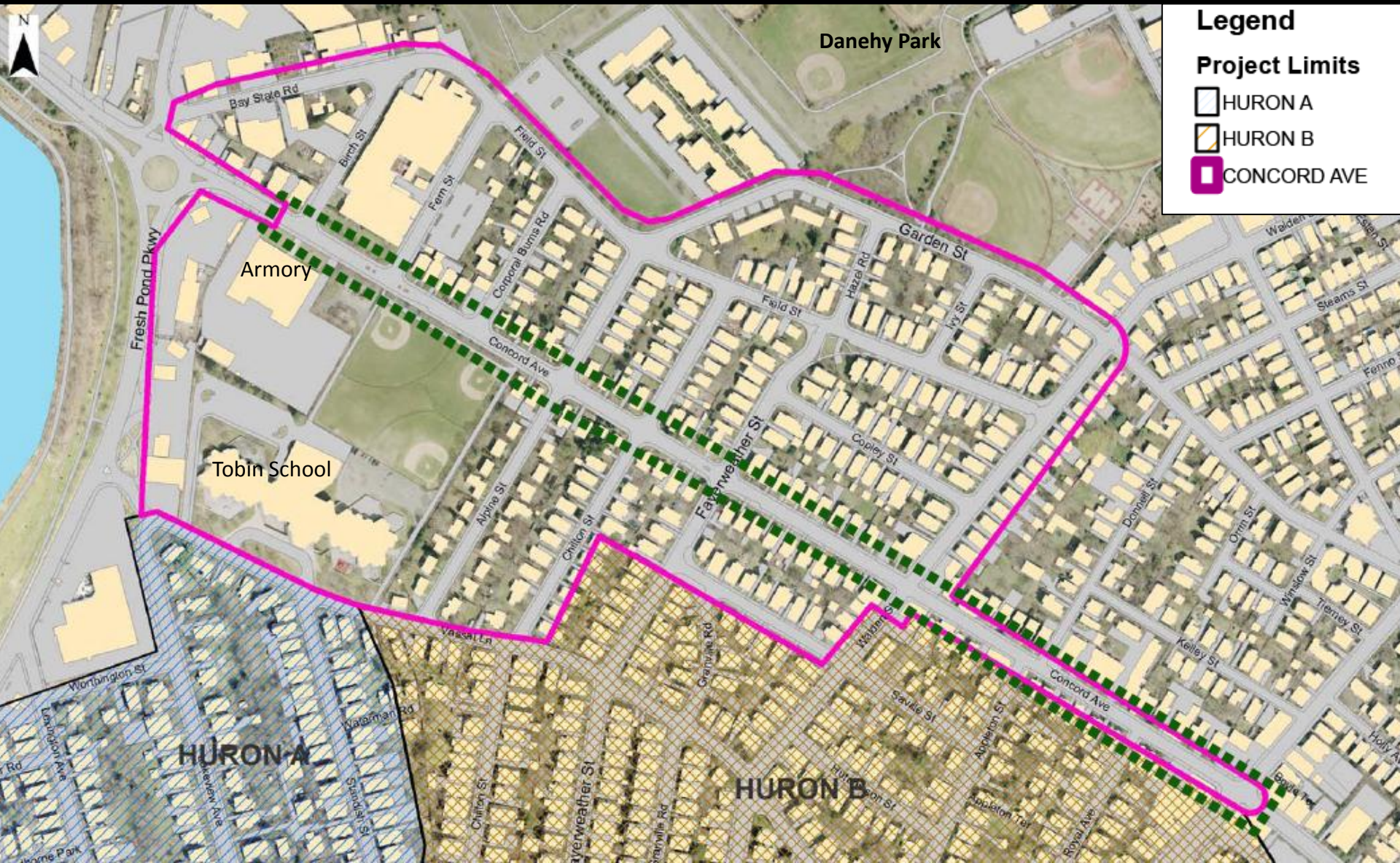
Construction Begins Summer 2013

Huron A

Design Began January 2011

Construction Began September 2012

Concord Ave Neighborhood Project Area



Concord Ave: Project Scope

Utility Improvements:

- Sewer and drain construction and rehabilitation
- City water system and private utility upgrades and repairs



Street & Sidewalk Improvements:

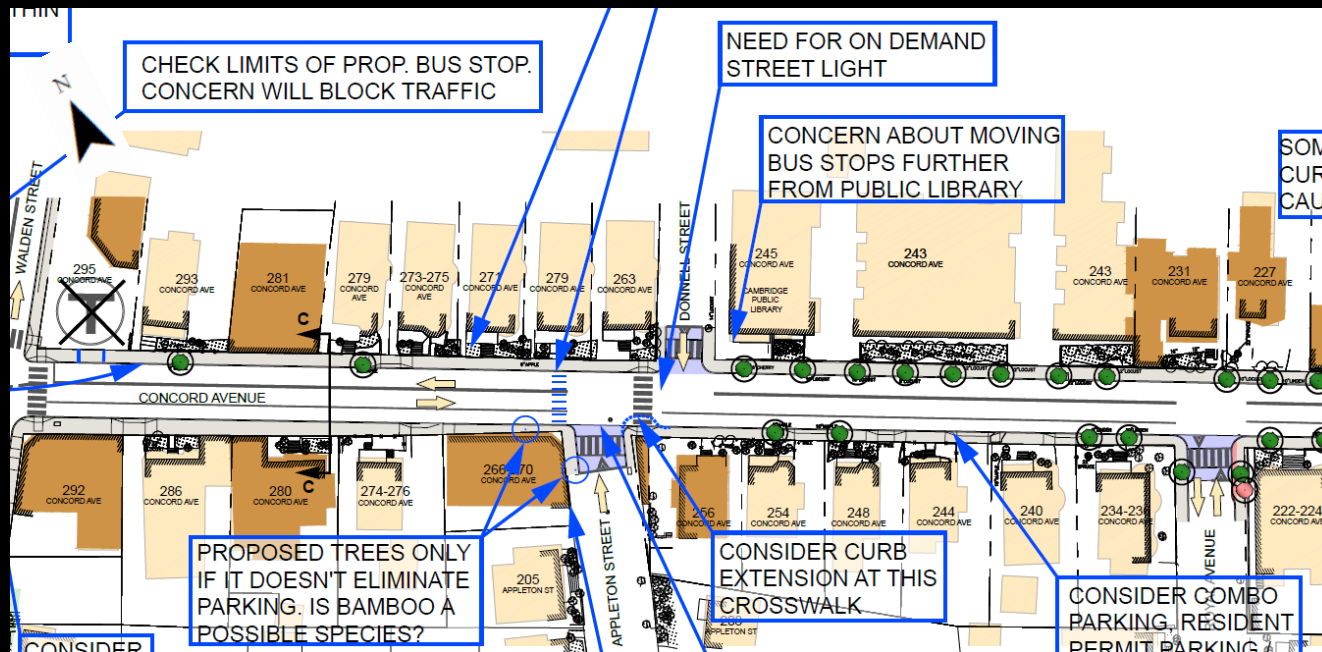
- New pavement and accessible sidewalks
- Enhanced pedestrian safety (traffic calming)
- Healthy tree canopy and water quality improvements



Since The Last Meeting:

Refinement of streetscape designs based on:

- Community comments
- Tree walks and tree conditions inventory
- Community survey and other submitted comments
- Neighborhood Streets Community Meeting - 6/19
- General design progression



Concord Ave: Existing Conditions



Streetscape Options

Proposed Tools/Improvements

- Curb Extensions
- Modified Raised Crosswalks
- Crossing Islands
- Chicanes

Improvements Categorized As:

- Required for accessibility
- Optional



Raised Crosswalks (at intersection)



Curb/Sidewalk Extensions (for accessibility)



Chicanes



Curb Extensions with Crosswalk At Grade (at intersection)



Crossing Islands

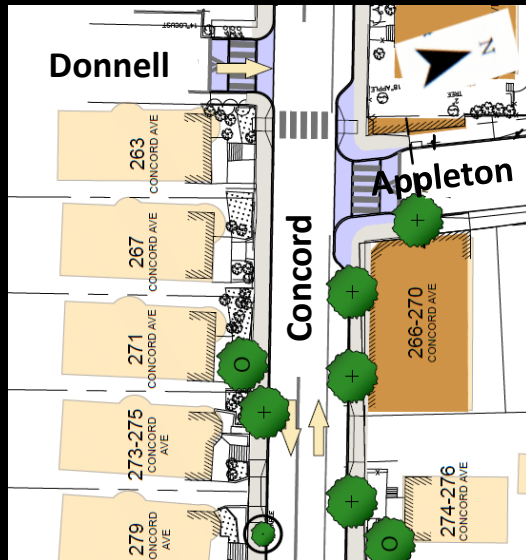
Streetscape Options: Curb Extension

- Proposed where trees or other obstructions create inaccessible sidewalks
- Back of sidewalk option available with property owner's approval
- Can be implemented for pedestrian safety



Streetscape Options: Curb Extension

Example: Appleton/Donnell/Concord Intersection



- On Concord looking East toward Appleton & Donnell



Streetscape Options: Raised Crosswalks

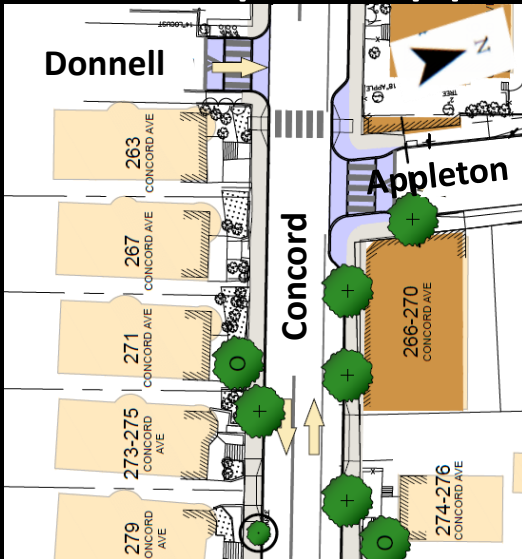
Modified Raised Crosswalks
proposed on many side streets

- Improves pedestrian experience and safety
- Reduces need for ramps at tight corners
- Provides indication to motorists of entrance into residential neighborhood
- Locations being analyzed for hydraulic impacts



Streetscape Options: Raised Crosswalks

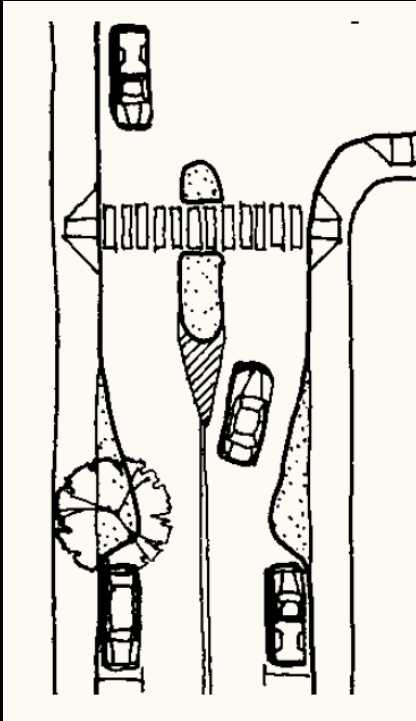
Example: Appleton/Donnell/Concord Intersection



- On Concord looking East toward Appleton & Donnell



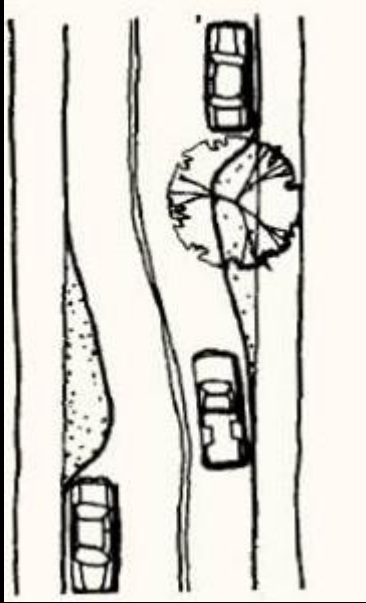
Streetscape Options: Crossing Islands



- Improves pedestrian safety
- Slows the speed of vehicles by breaking up straightaways
- Allows pedestrians to cross one direction of traffic at a time



Streetscape Options: Chicanes



- Improves pedestrian safety
- Slows the speed of vehicles by breaking up straightaways
- Created by alternating parking from one side of the street to the other



Landscape/Water Quality Options

- New Tree Plantings
 - Minimum 6' sidewalk width
 - Back of sidewalk opportunity
- Enhanced Planting Areas
- Stormwater Management BMP's
 - Porous Pavement
 - Infiltrating Catch Basins
 - Biobasin/rain garden



Porous Pavement



New Tree Plantings



Planting Areas



Infiltrating Catch Basins










TOOLBOX
DESIGN ELEMENTS

CAMBRIDGE
DEPARTMENT
OF PUBLIC
**THE
WORKS**

CAMBRIDGE
DEPARTMENT
OF PUBLIC
**THE
WORKS**

Landscape/Water Quality Options:

Current Concord Ave Area Tree Counts

		<u>Concord Ave</u>	<u>Total</u>	<u>Project</u>	<u>Total</u>
	EXISTING TREE TO REMAIN	49		169	
	EXISTING TREE TO REMAIN LESS THAN 36" CLEARANCE	3		19	
 	REMOVE AND REPLACE	2		16	
	PROPOSED SIDEWALK TREE	25		93	
	REQUESTED BACK OF SIDEWALK TREE	3		9	
	OPPORTUNITY FOR BACK OF SIDEWALK TREE	8		24	



Residents Are Encouraged To Consider And Identify Locations
For Street Trees Or Back Of Sidewalk Trees



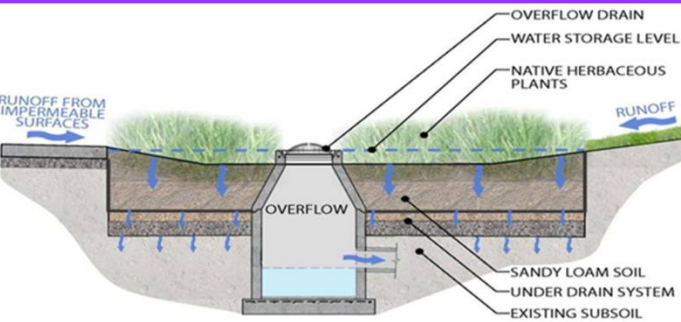
Subsurface investigations are on-going to determine if recharge is feasible. Implementation of BMPs has minimal impacts on streetscape.



LEGEND

- ↔ FRESH POND ZONE OF CONTRIBUTION
- BIOBASINS / PLANTING AREAS
- POROUS PAVEMENT

Water Quality Improvement Opportunities



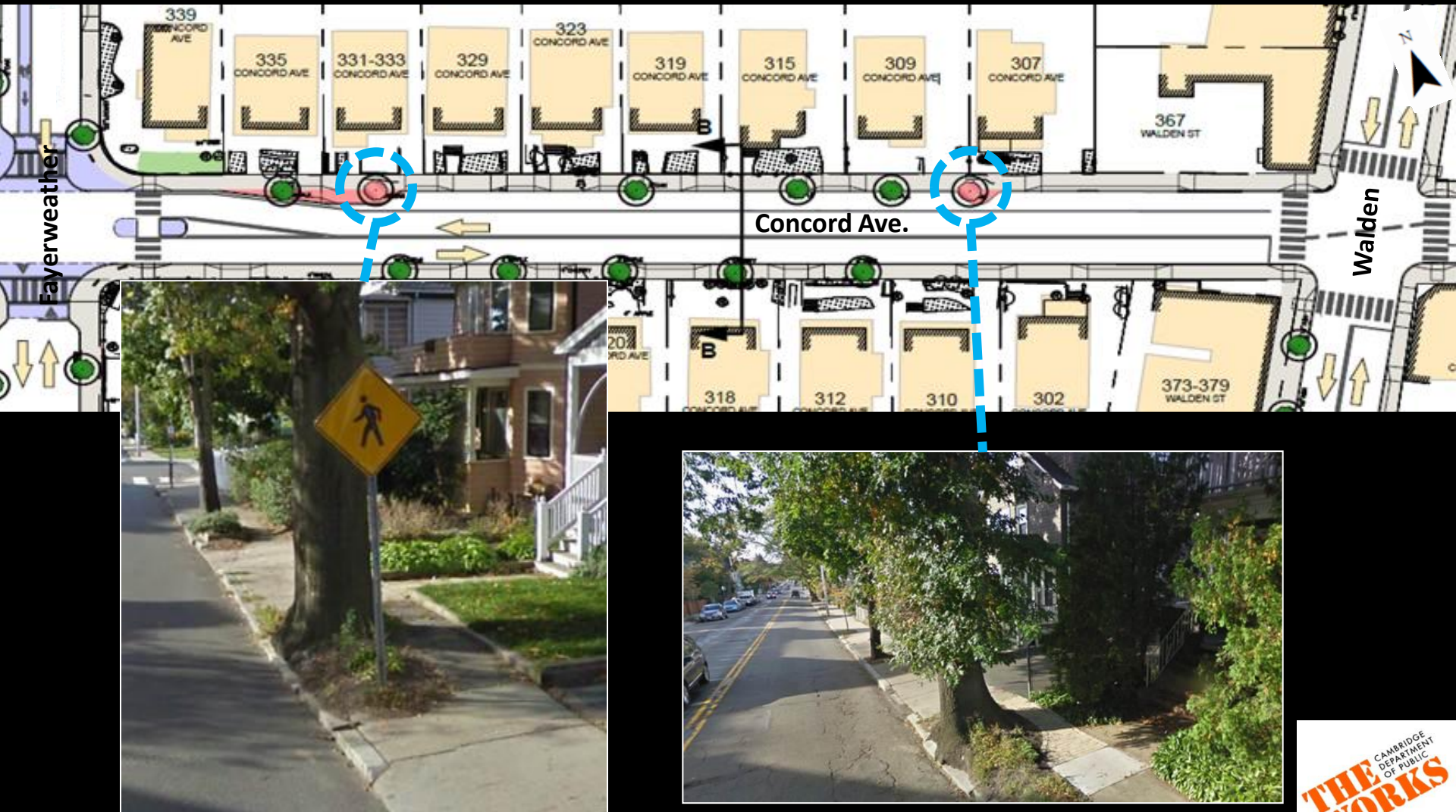
Biobasin opportunity

Subsurface investigations are on-going to determine if recharge is feasible. Implementation of BMPs has minimal impacts on streetscape.



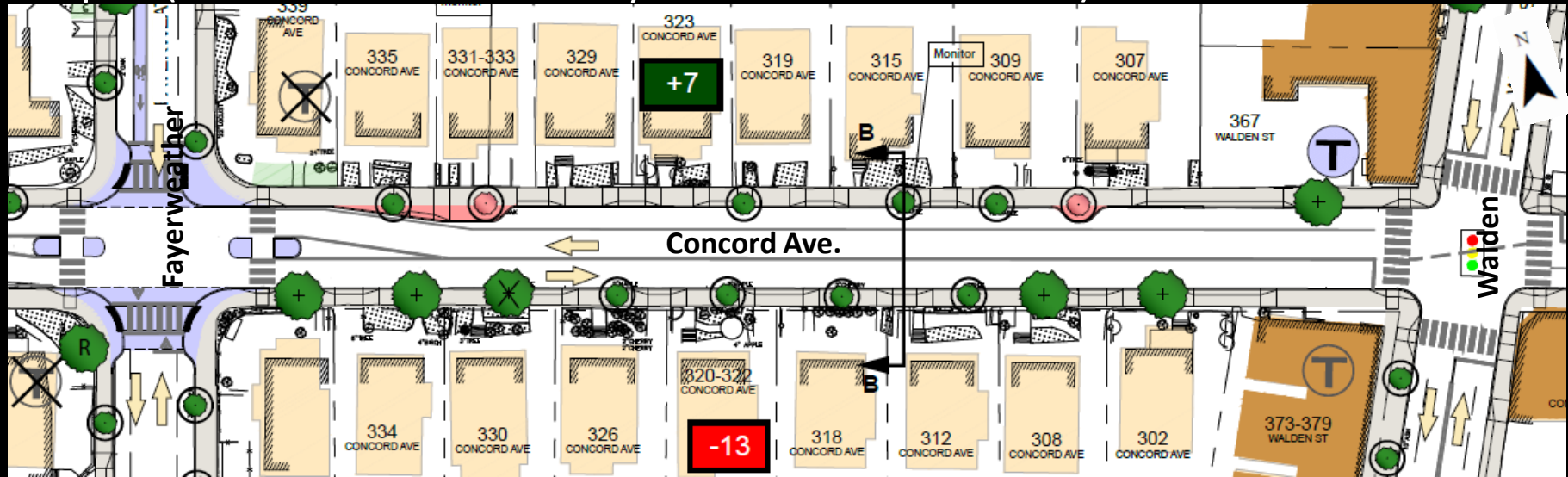
Streetscape Plans: Accessibility At Trees

- Meet accessibility requirements

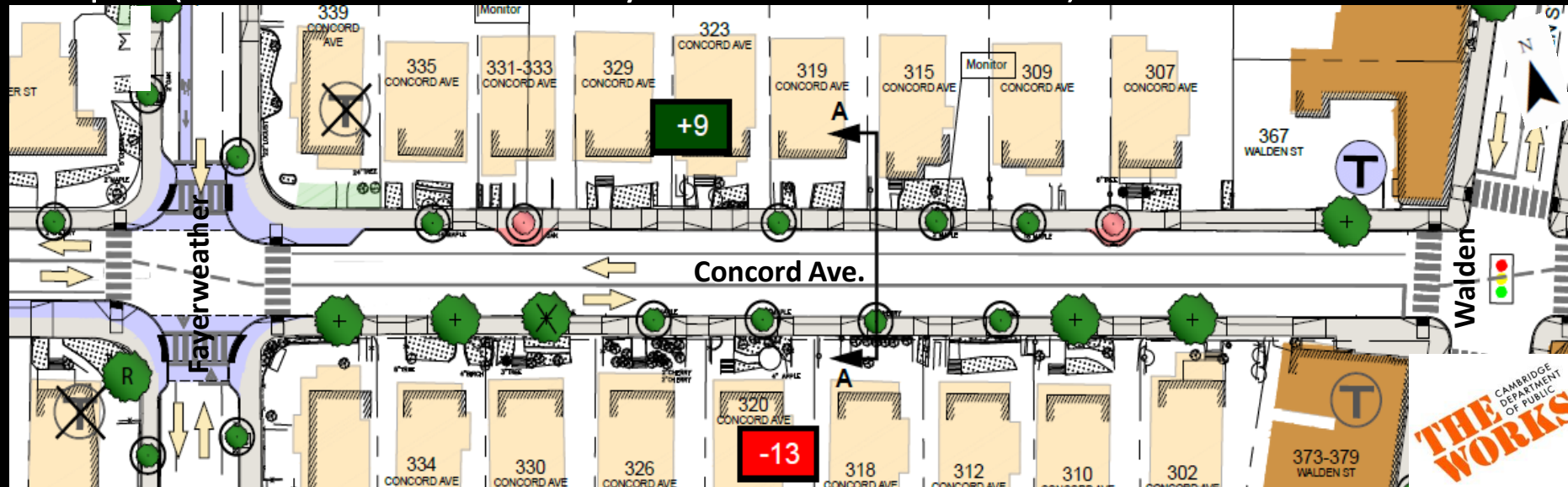


Streetscape Plans: Accessibility At Trees

Concept 1 (On Concord Between Fayerweather And Walden)



Concept 2 (On Concord Between Fayerweather And Walden)



Streetscape Plans: Concept 1

- Proposed parking changes
- Crossing Islands remain



- At Fayerweather
East towards
Walden

Streetscape Plans: Concept 2

- Proposed parking changes
- Eliminate crossing islands, propose taper



- At Fayerweather Looking East towards Walden

Streetscape Plans













Other Considerations:

- Minimize parking loss
- Evaluate bus stop consolidation/relocation
- Parking regulation changes
- Bike facility accommodations

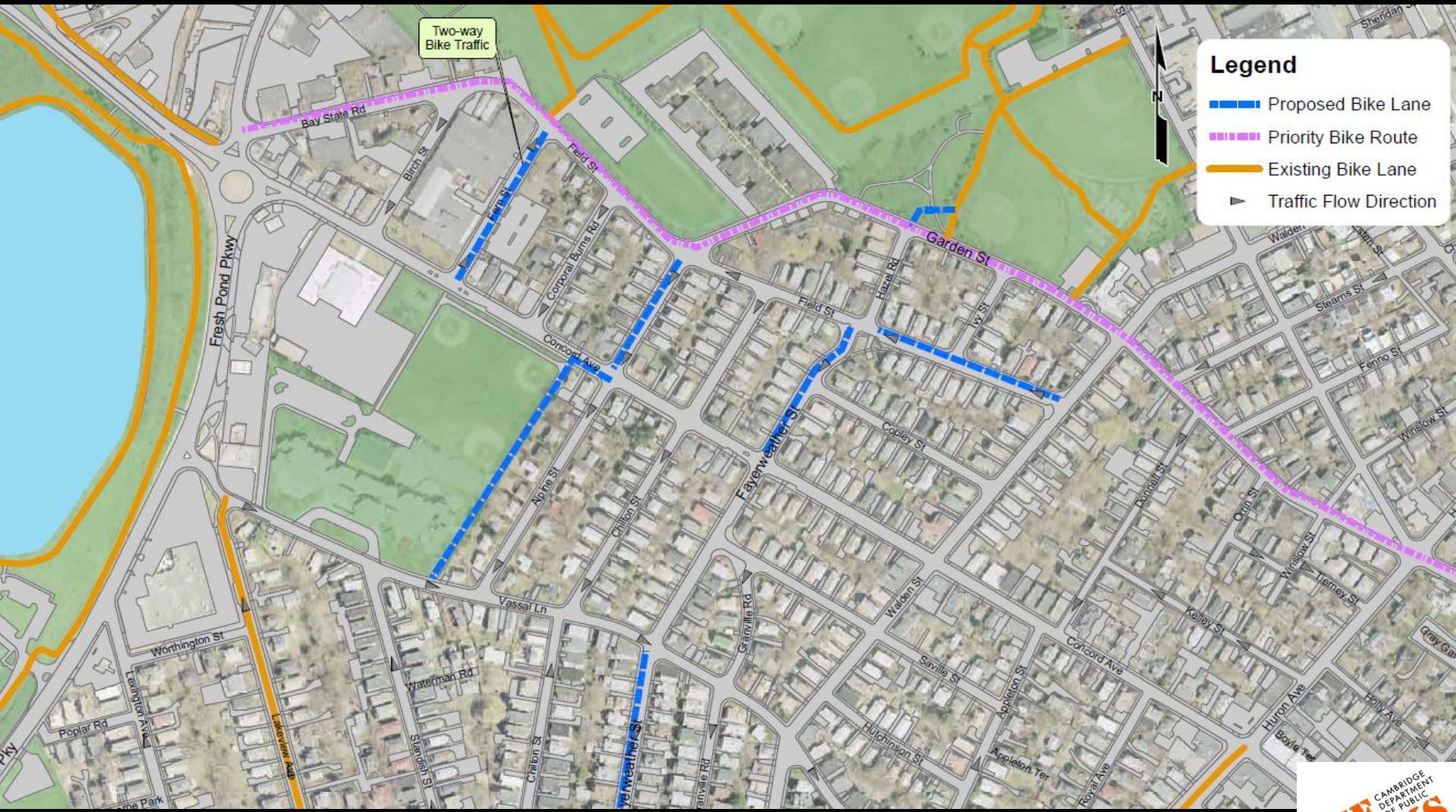


Bike Facility Accommodations

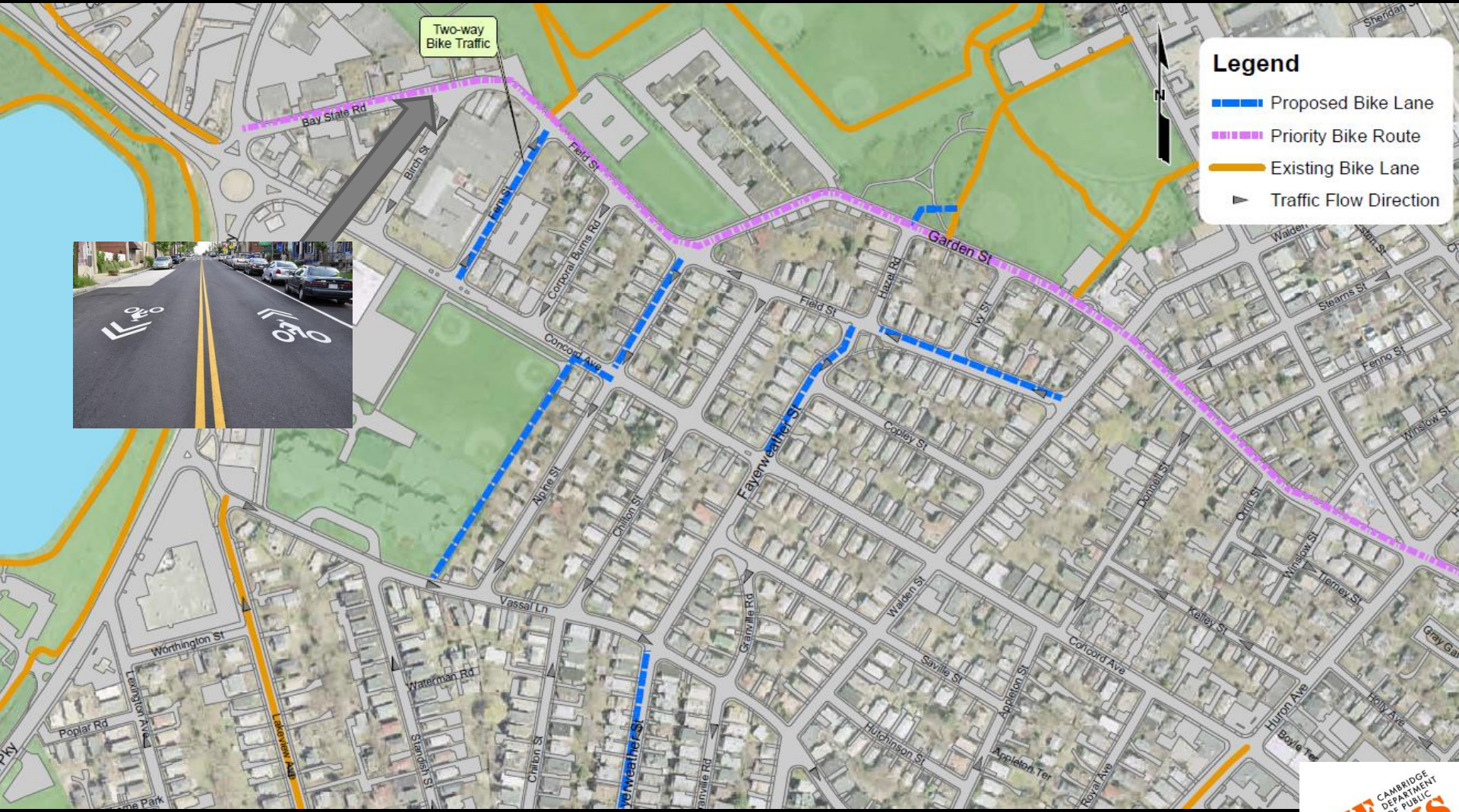


- | | | | | | | | |
|--|----------------------------------|---|--------------------------------------|---|---------------|---|----------------|
|  | Bike Path/Multi-Use Path |  | Cycle Track |  | Shared Street |  | Bike Shop |
|  | Planned Bike Path/Multi-Use Path |  | Planned Cycle Track |  | Contra-flow |  | Fix-It Station |
|  | Bike Lane |  | Shared Lane Pavement Marking | | | | |
|  | Planned Bike Lane |  | Planned Shared Lane Pavement Marking | | | | |

Bike Facility Accommodations



Bike Facility Accommodations

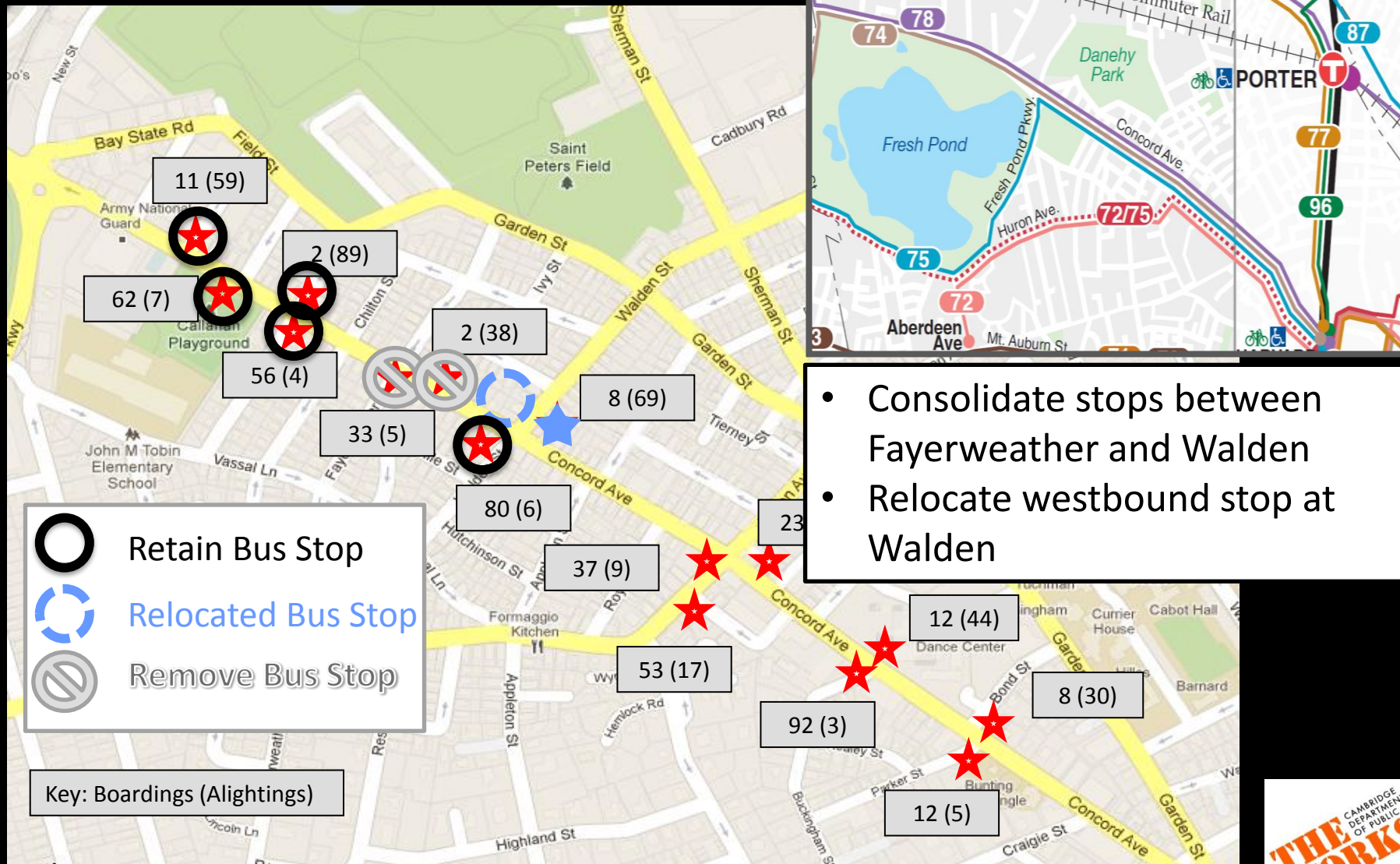


Bike Facility Accommodations



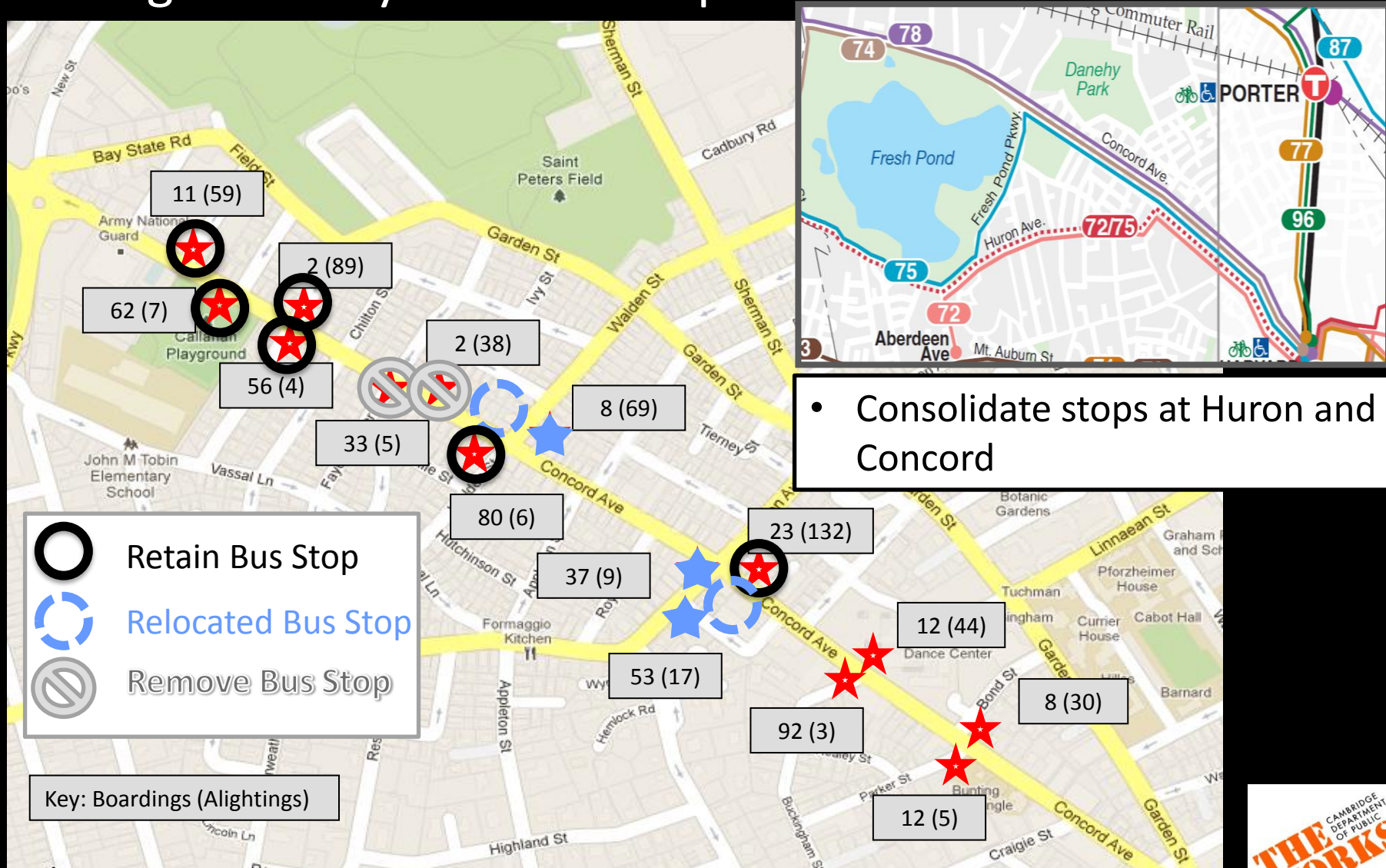
Bus Stop Accommodations

Existing Weekday Bus Ridership Information



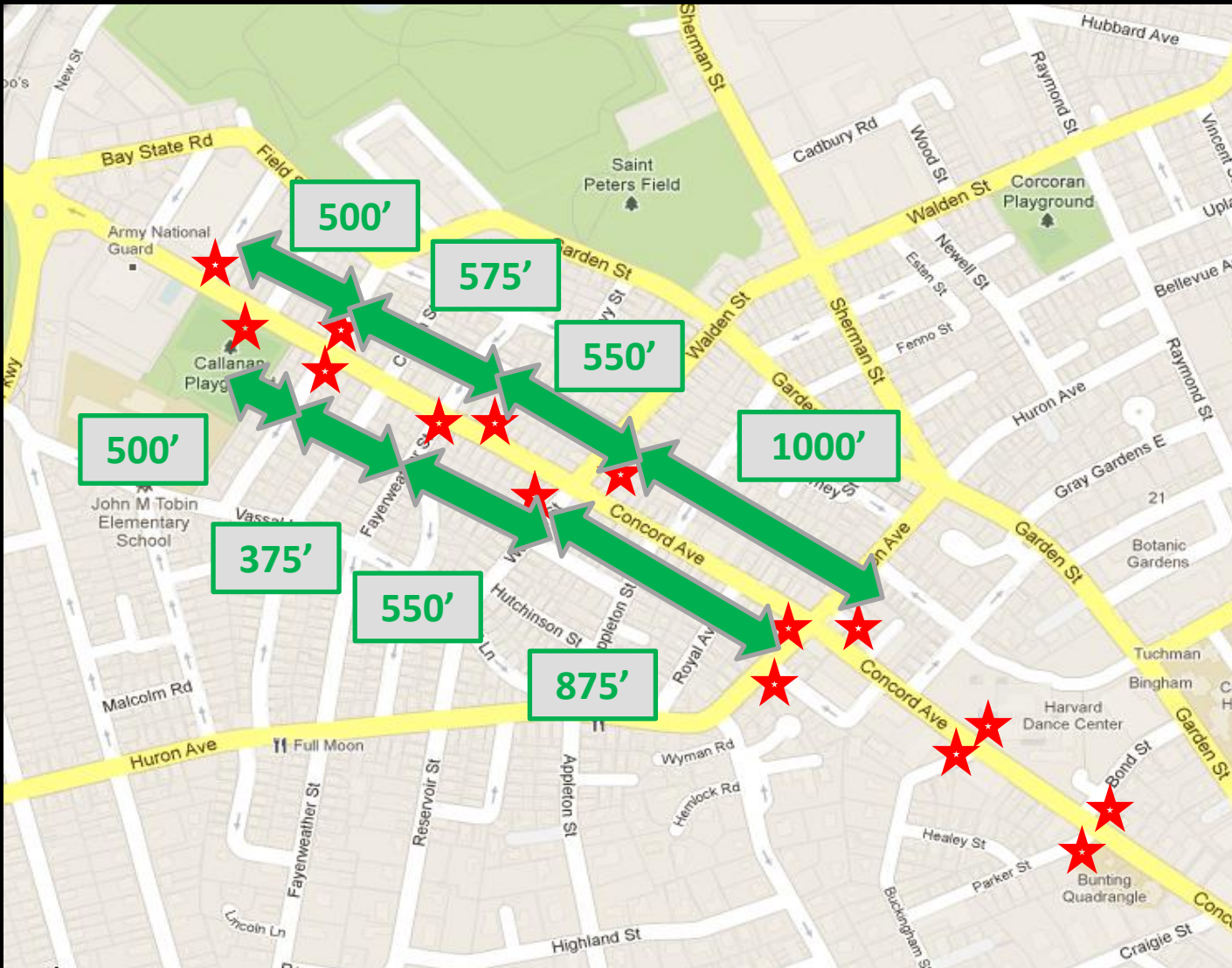
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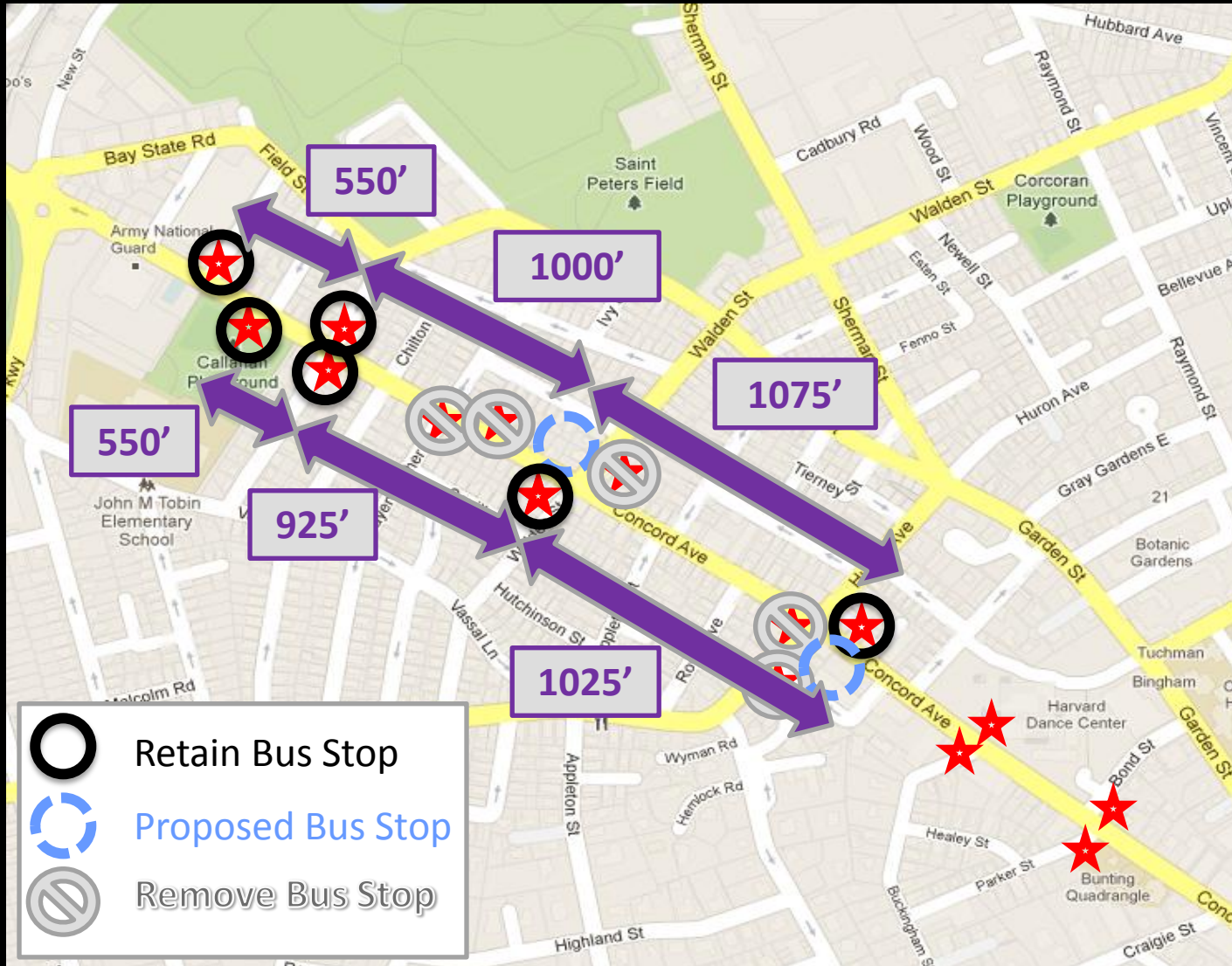
Bus Stop Accommodations

Distance Between Existing Bus Stops

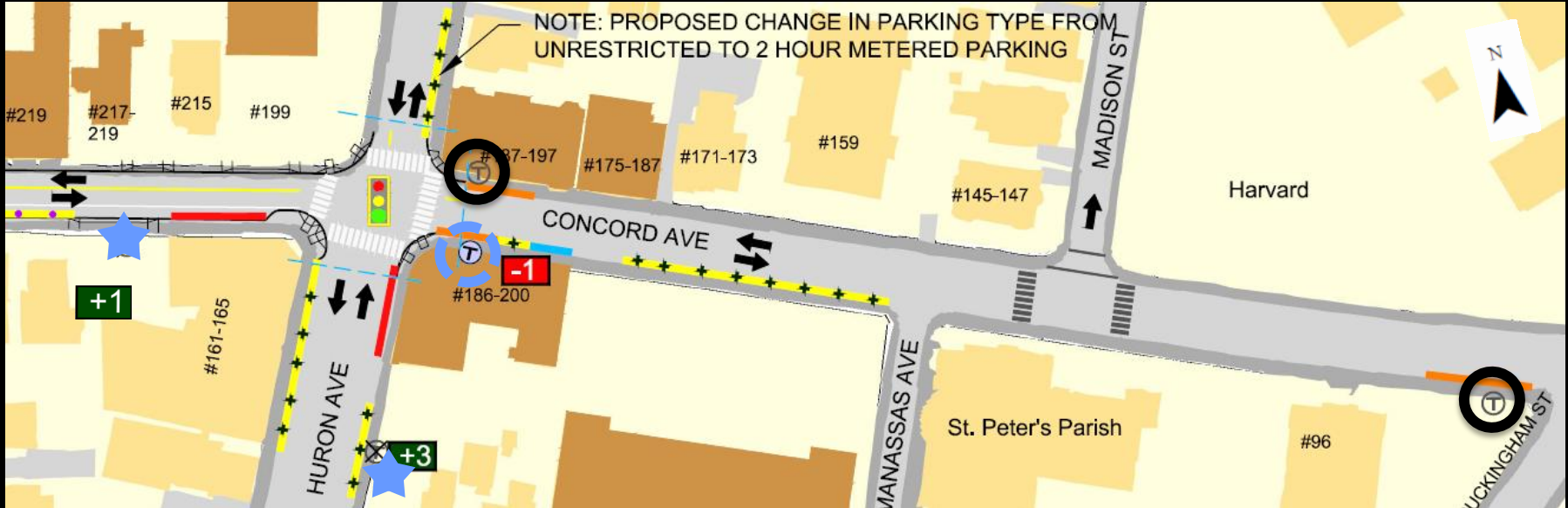


Bus Stop Accommodations

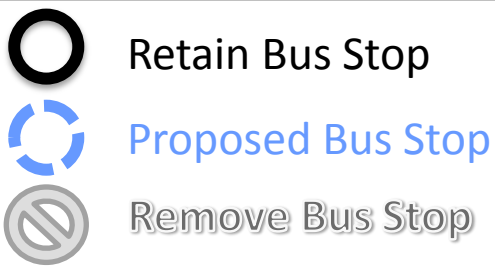
Distance Between Proposed Bus Stops



Bus Stop Accommodations



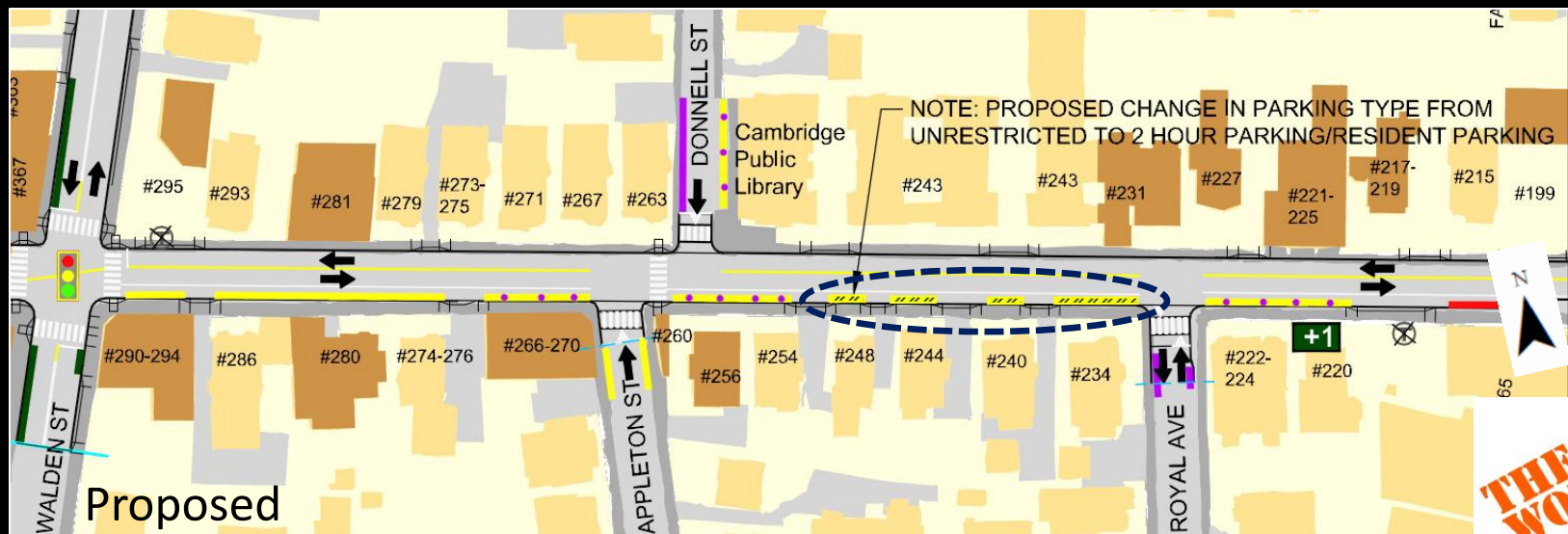
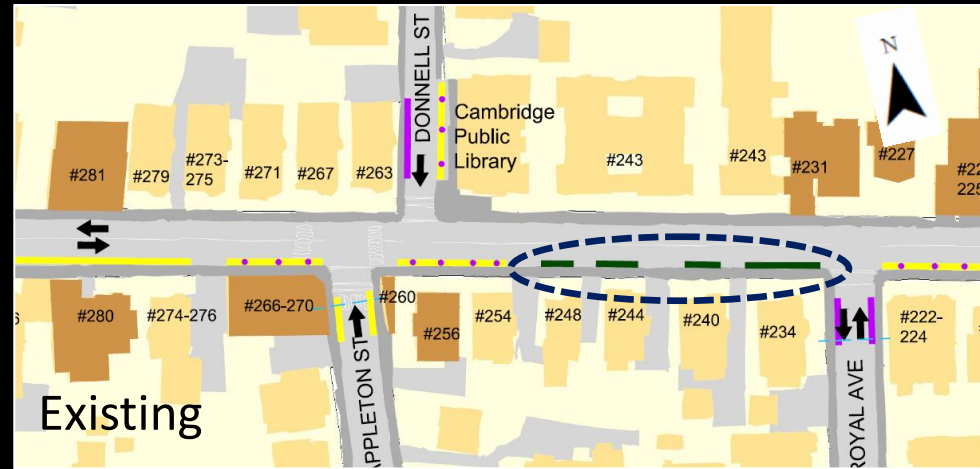
- Consolidate two stops at Huron and Concord to one stop on Concord
- Net gain of three parking spaces



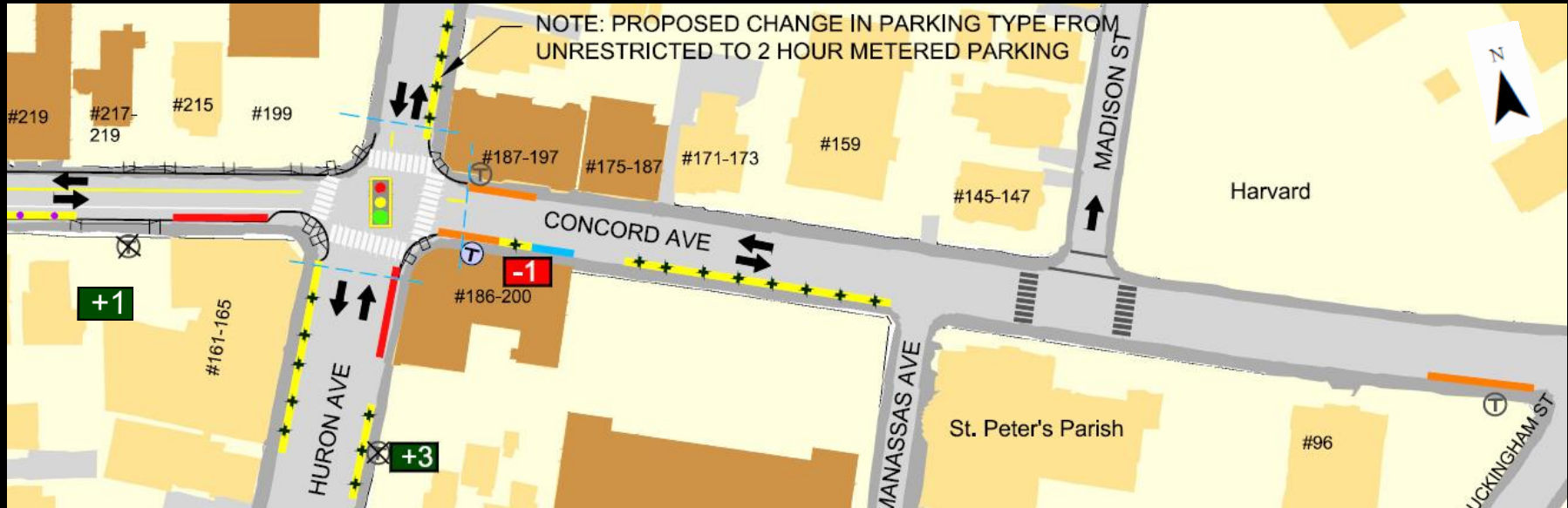
Proposed Parking Regulations

- Unrestricted spaces proposed to be 2 Hour/Resident parking

LEGEND	
	MBTA BUS STOP
	DISABILITY PARKING
	LOADING ZONE
	PERMIT PARKING EXCEPT SUNDAYS
	UNRESTRICTED PARKING
	1 OR 2 HOUR PARKING 8AM-6PM
	1/2 HOUR PARKING 8AM-6PM
	2 HOUR METERED PARKING 8AM-6PM
	2 HOUR 8AM-6PM OR PERMIT PARKING
	PARKING SPACE DECREASE
	PARKING SPACE INCREASE
	MBTA BUS STOP RETAINED
	MBTA BUS STOP PROPOSED
	MBTA BUS STOP REMOVED
	LIMIT OF WORK
	COMMERCIAL BUILDING



Proposed Parking Regulations



- Propose to change parking regulation from unrestricted to 2 hr metered parking

Next Steps:

- Plans and notes to be posted on the website
- Next Design Meetings
 - September 2013: Next round of meetings
- Design Phase – thru October 2013
- Construction begins January 2014

Contact Information:

- **Questions, Comments or Suggestions**
 - Catherine Daly Woodbury, DPW Project Manager
cwoodbury@CambridgeMA.gov
 - KyAnn Anderson, Community Relations Manager
kanderson@kleinfelder.com
- **24-Hour Emergency Assistance**
 - Cambridge DPW at 617-349-4800
- **Information on City Web Site**
www.cambridgema.gov/theworks/ConcordArea

Breakout Groups:

- 4 Breakout Groups
- Report back to full group



For your consideration:

- Review optional and required improvements; share thoughts
- Offer suggestions for additional improvements
- Consider opportunities for tree plantings and green space