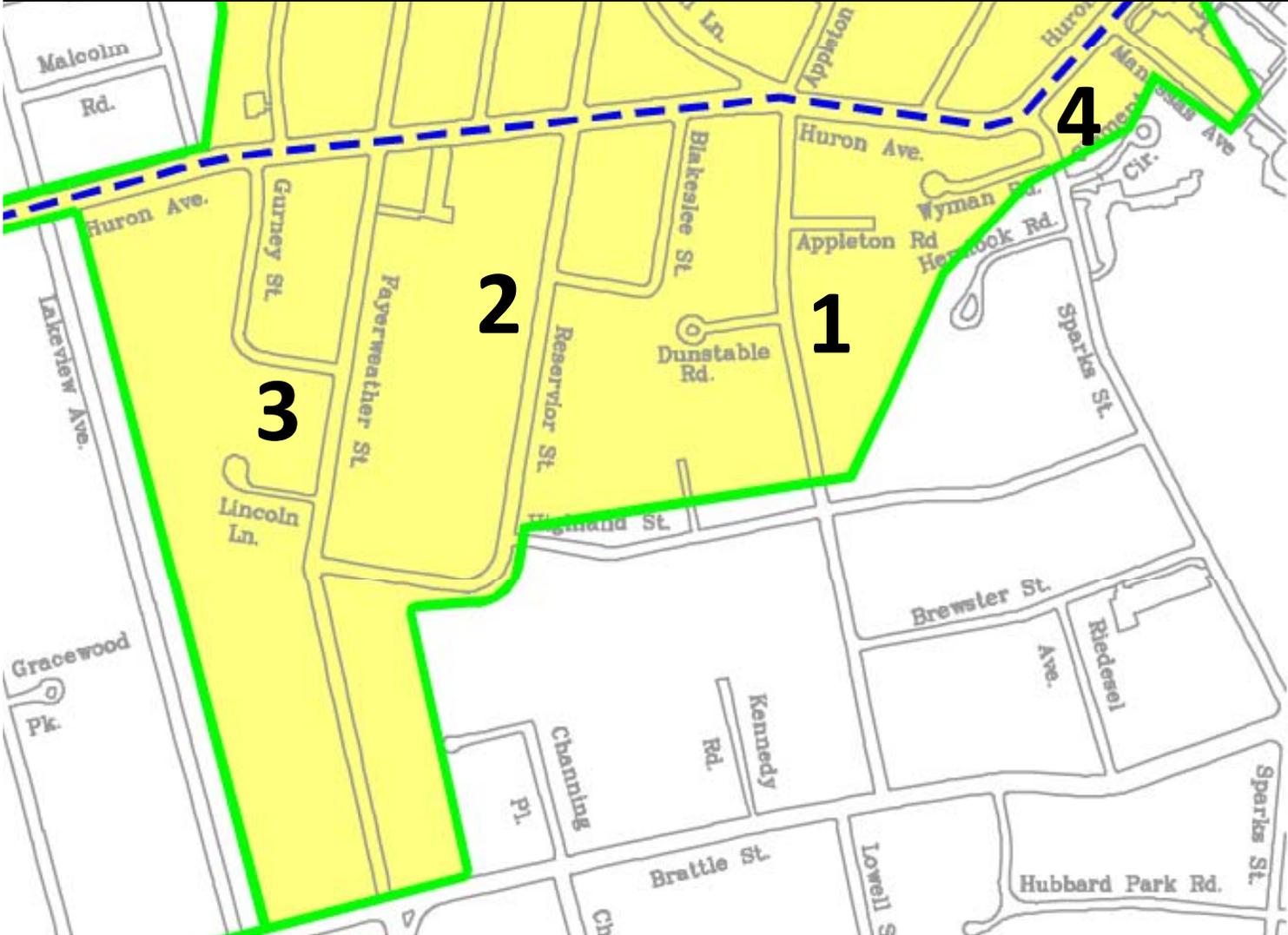


# Huron B Sewer Separation Project Residential Streets South of Huron Community Meeting – June 27, 2012



# Huron B Project Area: Residential Streets South of Huron Avenue



-  Huron Ave. Project Area
-  Contract Limits
-  Huron B Contract area

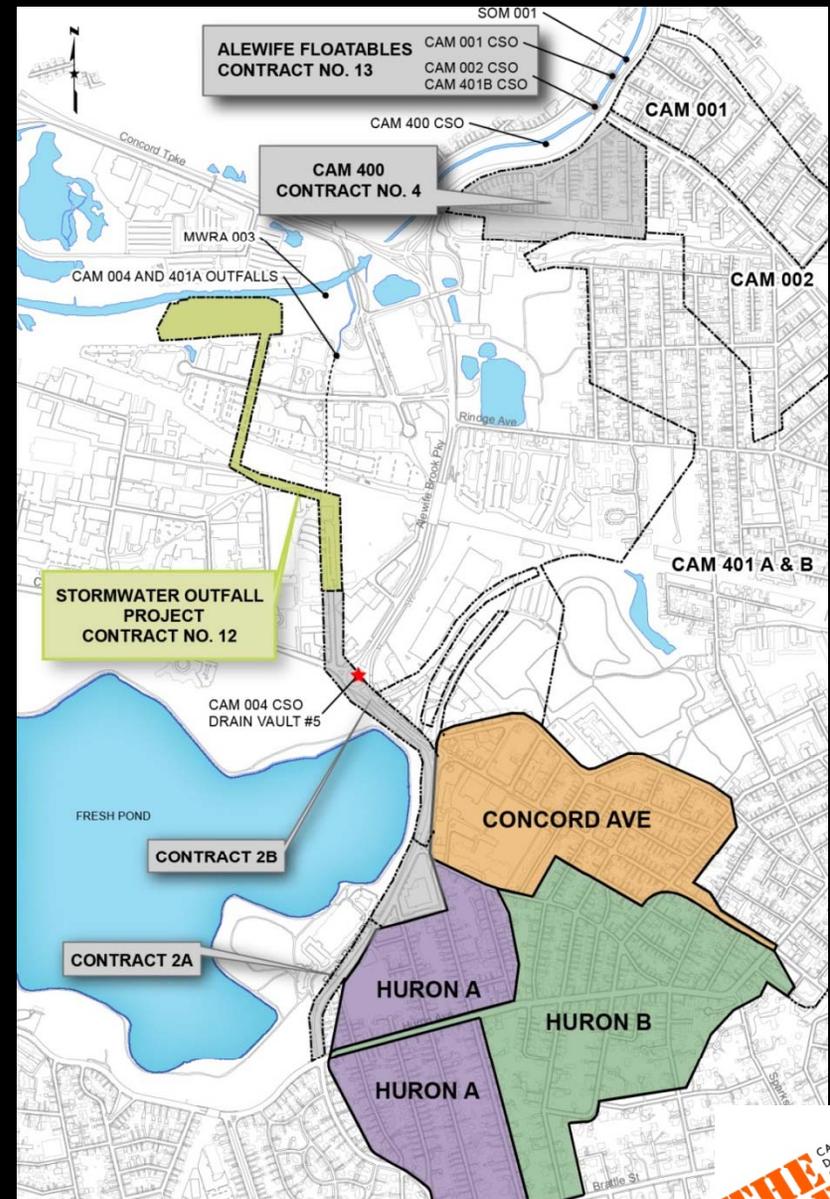
# Huron B: Residential Streets South of Huron

## Meeting Agenda

- Project Overview and Update
- Review of Community Input
- Proposed Streetscape Tools/Improvements
- Review of Conceptual Streetscape Plans
- Next Steps
  
- Breakout Groups - 4 Groups:
  1. Reservoir St. / Blakeslee St.
  2. Fayerweather St. / Gurney St. / Lincoln Ln.
  3. Appleton St. / Appleton Rd. /Dunstable Rd.
  4. Wyman Rd. / Manassas Ave.

# 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



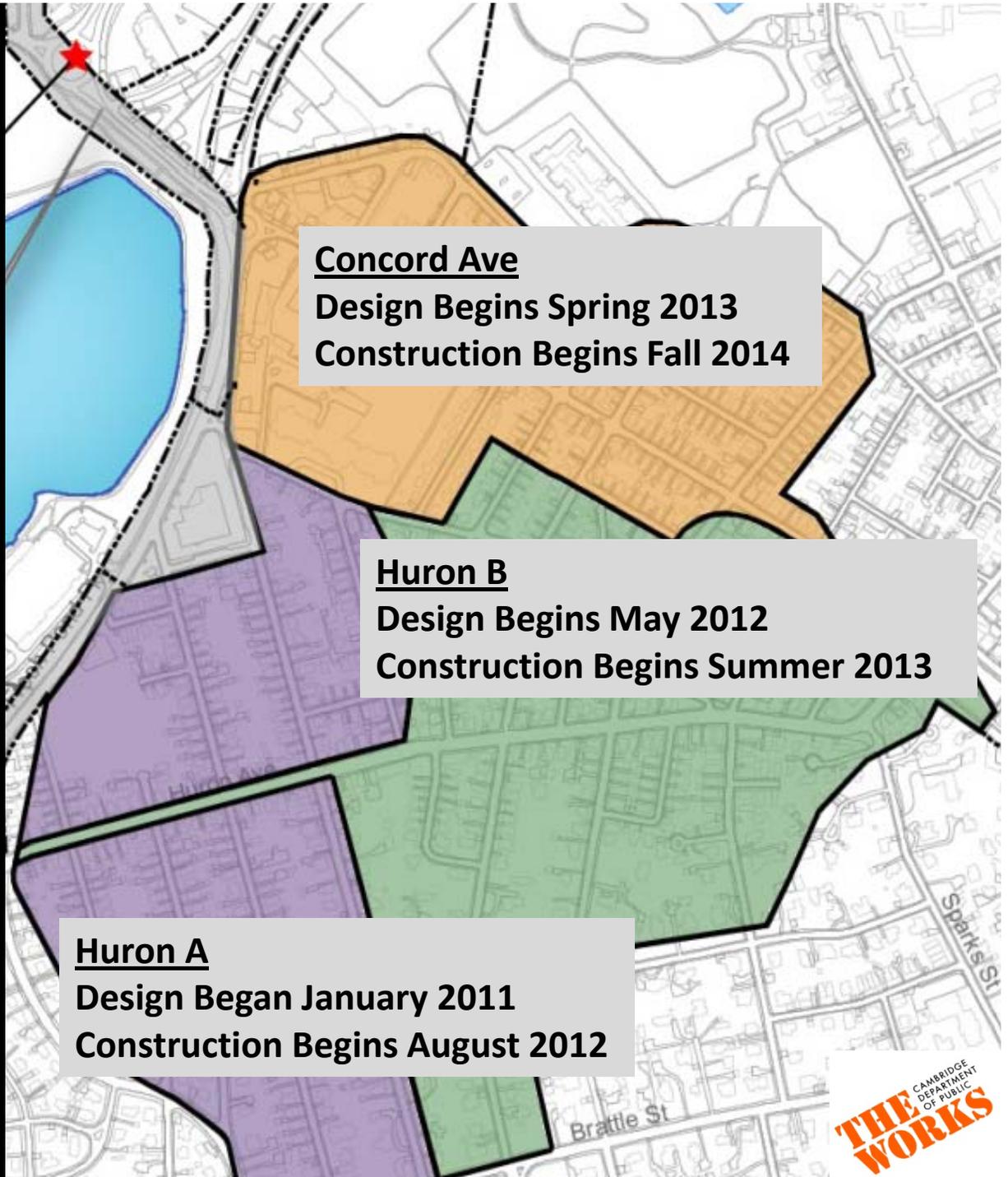
# Huron/Concord Project Areas

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

Surface restoration complete by 2016

## Sewer separation will:

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

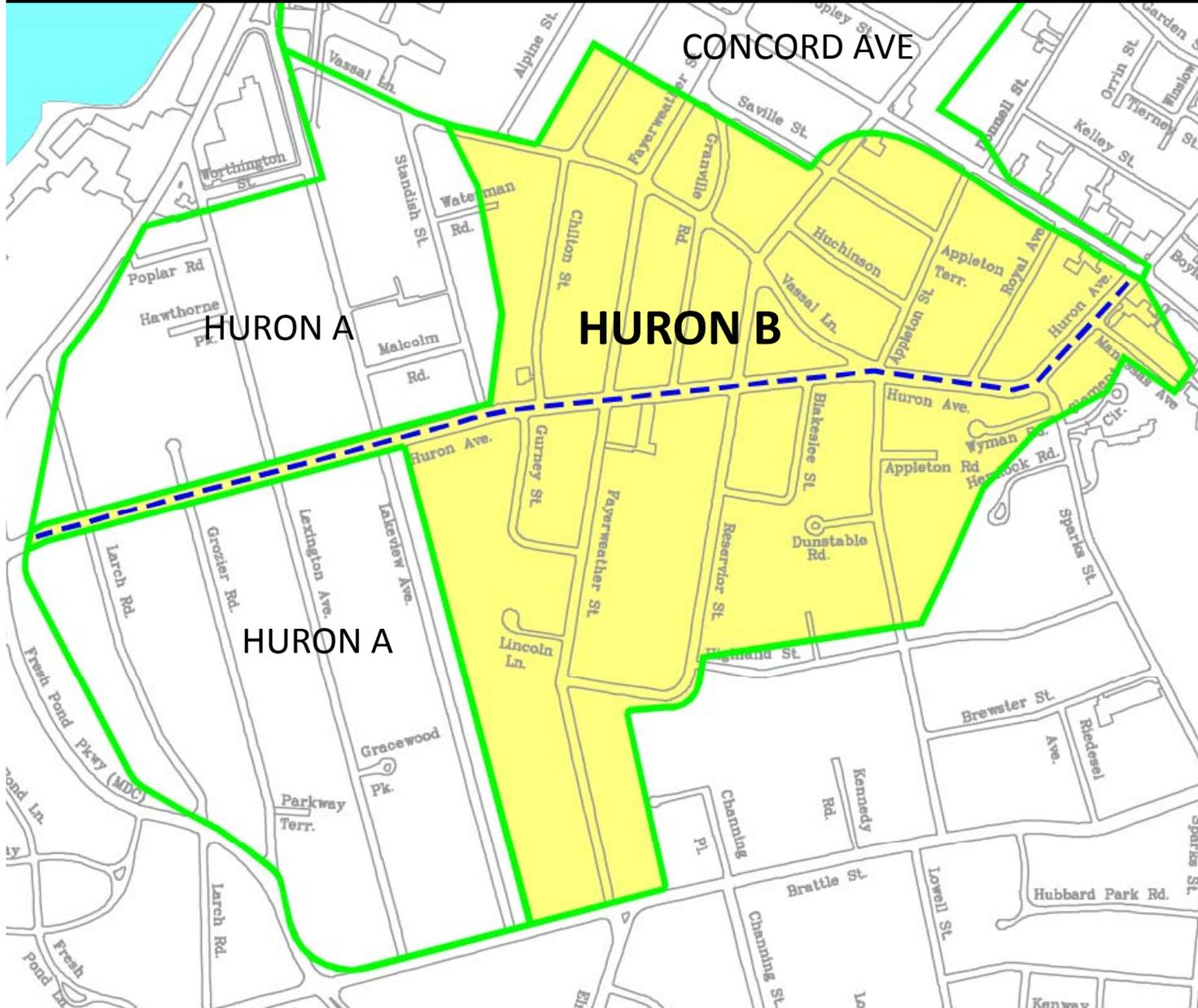


Concord Ave  
Design Begins Spring 2013  
Construction Begins Fall 2014

Huron B  
Design Begins May 2012  
Construction Begins Summer 2013

Huron A  
Design Began January 2011  
Construction Begins August 2012

# Huron B Project Area



-  Huron Ave. Project Area
-  Contract Limits
-  Huron B Contract area

# Huron B: Project Scope

## UTILITY IMPROVEMENTS

- Sewer main construction and rehabilitation
- Installation of new pipes and manholes
- City water main pipes, hydrants and services (replace lead services with copper)
- Private Utility Upgrades and Repairs



# Huron B: Project Scope

## STREET & SIDEWALK IMPROVEMENTS

- New pavement and accessible sidewalks
- Enhanced pedestrian safety (traffic calming)
- Healthy tree canopy
- Water Quality Improvements



# Since the Last Meeting:

- Subsurface utility design work on-going
- Tree condition and sidewalk obstruction inventory
- Review of community survey and other submitted comments
- Development of conceptual streetscape options
  - Required improvements for accessibility
  - Optional improvements

# Comments

## General issues/comments:

- Poor condition of streets and sidewalks
- Ponding and drainage Issues
- Need for increased trees and green space
- Considerations of one-way street system
- Desire to underground utilities
- Concern with potential loss of parking
- Pedestrian Safety Concerns
- Vehicular Speed Concerns
- Vehicular Movement Concerns:
  - Reservoir Street Curve
  - Appleton/Huron Intersection

# Conceptual Streetscape Options

## Proposed Tools/Improvements

- Curb Extensions
- Modified Raised Crosswalks
- Raised Intersections
- New Tree Plantings
- Enhanced Planting Areas
- Stormwater Management BMP's

## Improvements Categorized as:

- Required for accessibility
- Optional

# Proposed Improvements: Curb Extensions

- Proposed where trees or other obstructions create inaccessible sidewalks
- Can be implemented to improve pedestrian safety at crossings



# Proposed Improvements: Curb Extensions

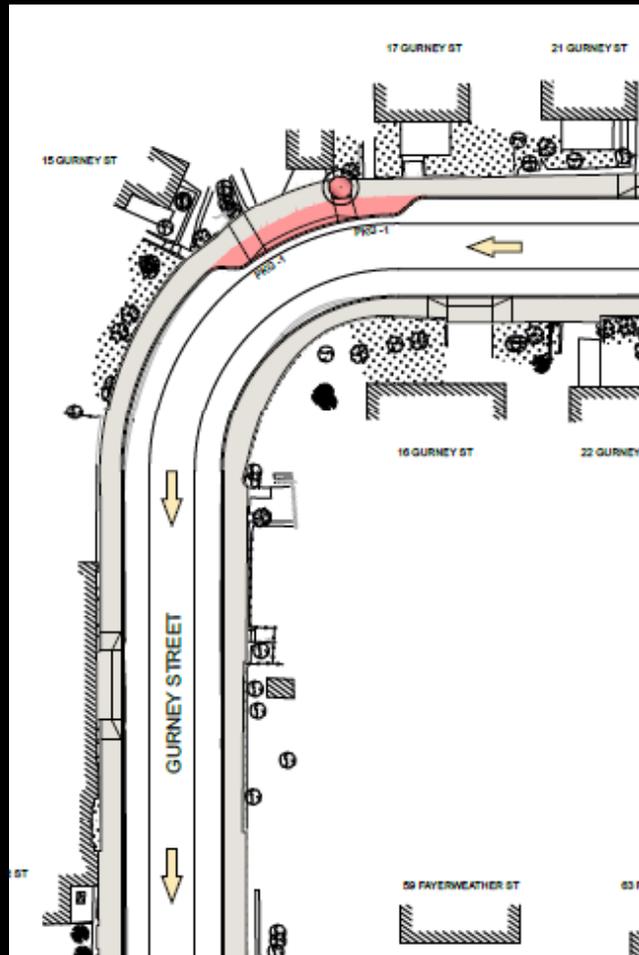
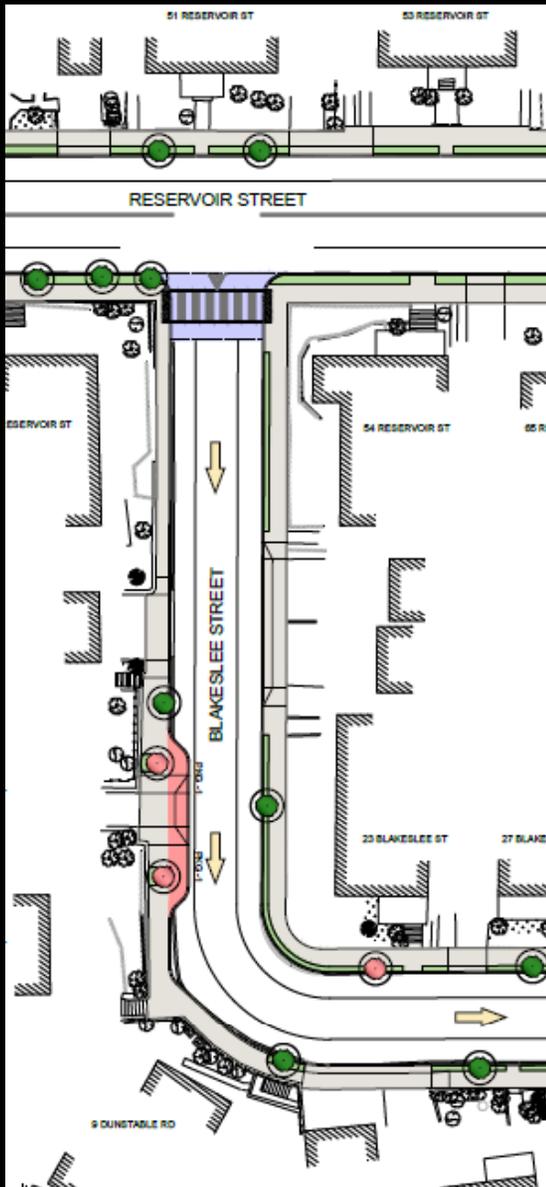
Back of sidewalk option available with property owner's approval



# Proposed Improvements: Curb Extensions



# Proposed Improvements: Curb Extensions



# Proposed Improvements: Raised Crosswalks

Modified Raised Crosswalks proposed as option at most side streets

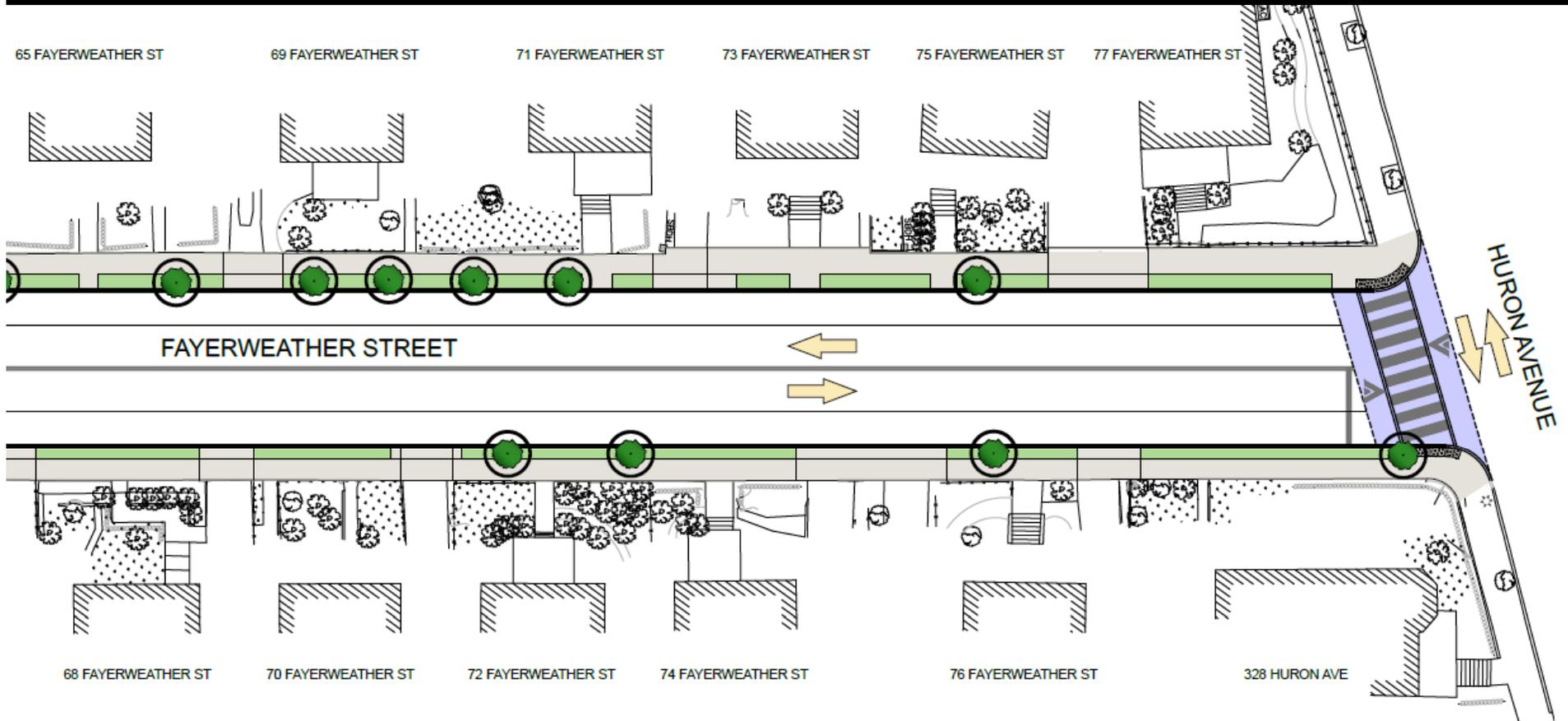


# Proposed Improvements: Raised Crosswalks

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

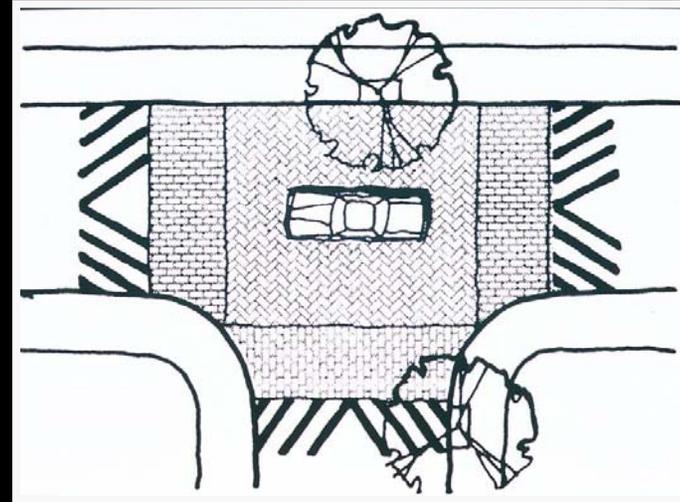


# Proposed Improvements: Raised Crosswalks



# Proposed Improvements: Raised Intersection

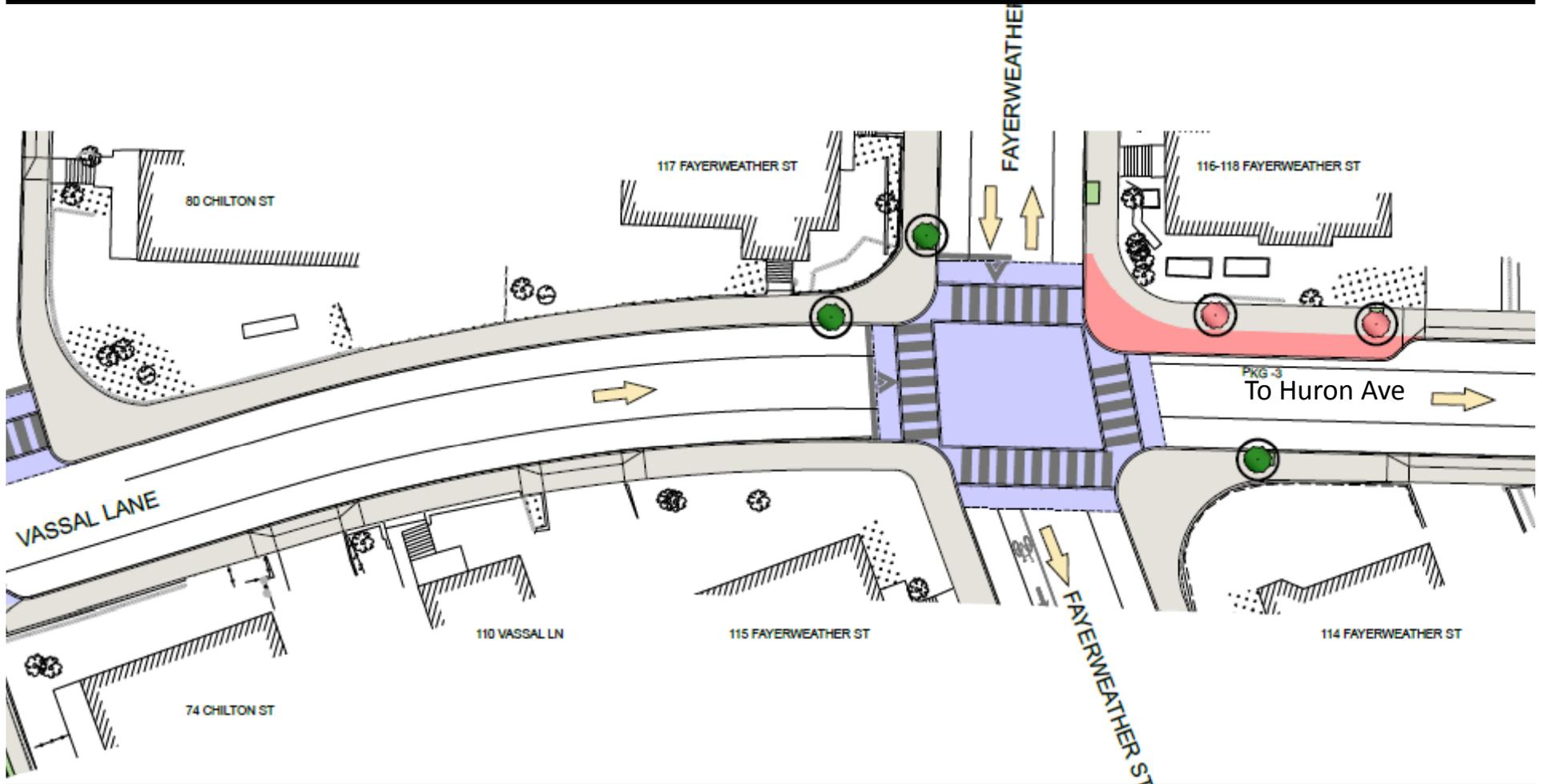
- Improves experience and safety for pedestrians of all abilities
- Reduces speed of motor vehicles



# Proposed Improvements: Raised Intersection



# Proposed Improvements: Raised Intersection



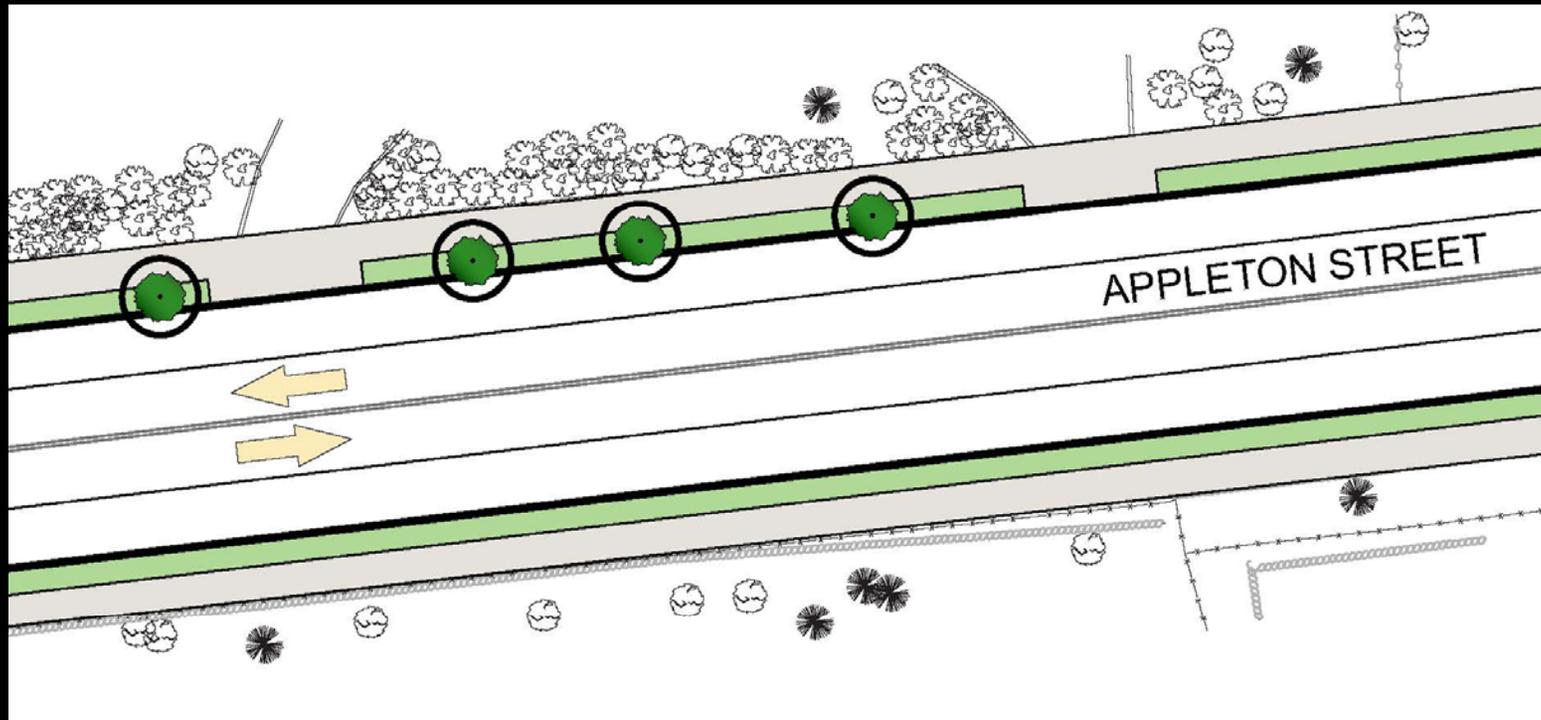
Vassal/Fayerweather Intersection

# Proposed Improvements: New Tree Plantings

- Goal to Improve Tree Canopy
  - 140 new trees proposed in Huron A
- Resident input/requests welcome
- 6-foot minimum sidewalk width required for new tree
- Back of sidewalk plantings encouraged



# Proposed Improvements: New Tree Plantings



New Trees are NOT shown on Conceptual Streetscape Plans

Residents encouraged to request trees and attend tree walks with arborist to identify locations

# Proposed Improvements: Planting Areas

Goal to Increase green space

Most opportunities along  
Huron Ave



# Proposed Improvements: Planting Areas



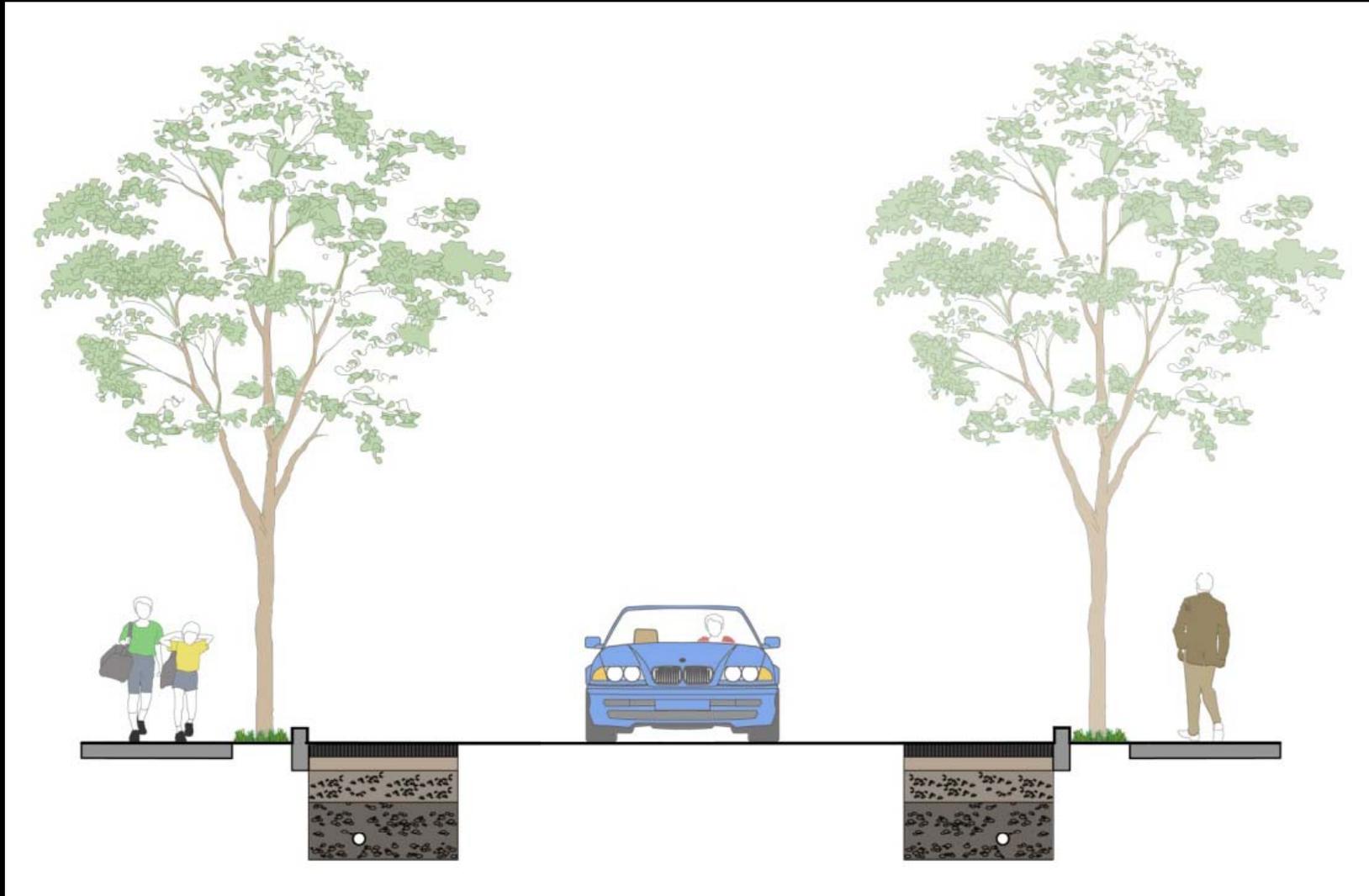
# Proposed Improvements: Stormwater Management

## Porous Asphalt Paving

- Reduces stormwater infrastructure
- Reduces volume and rate of runoff
- Improves water quality
- Infiltrates and recharges groundwater
- Reduces de-icing costs



# Proposed Improvements: Stormwater Management



# Proposed Improvements: Stormwater Management

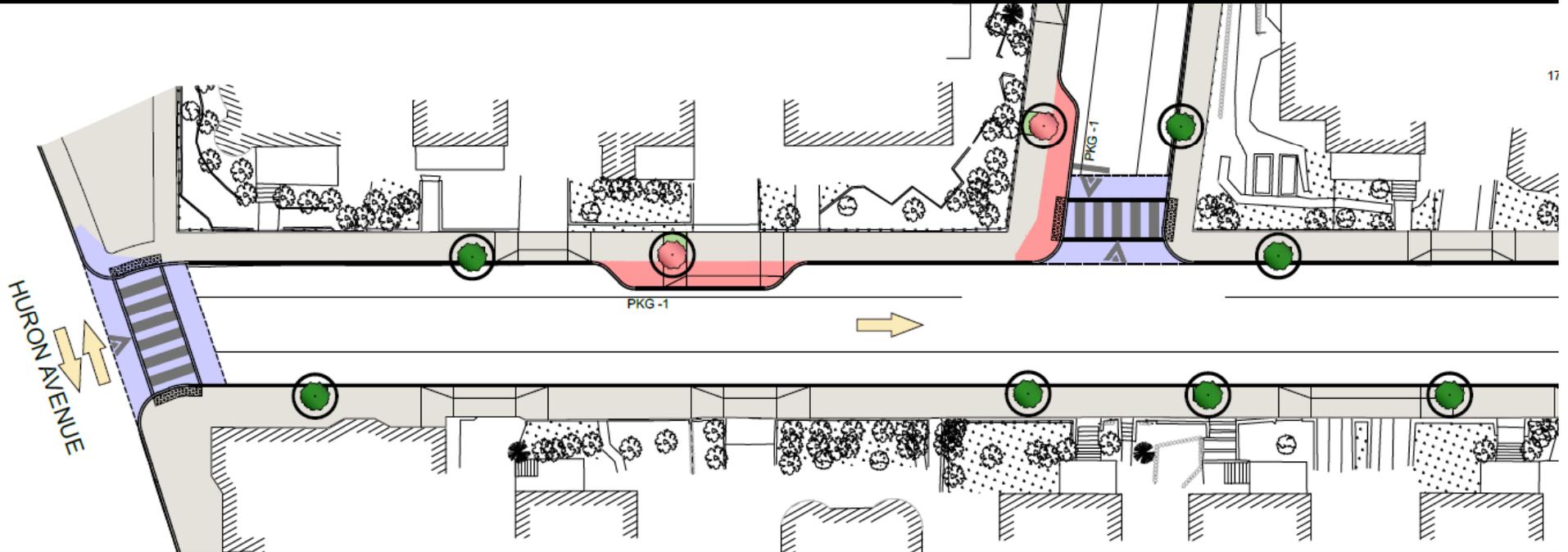
## Infiltrating Catch Basin



Stormwater management BMPs are NOT shown on Conceptual Streetscape Plans

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

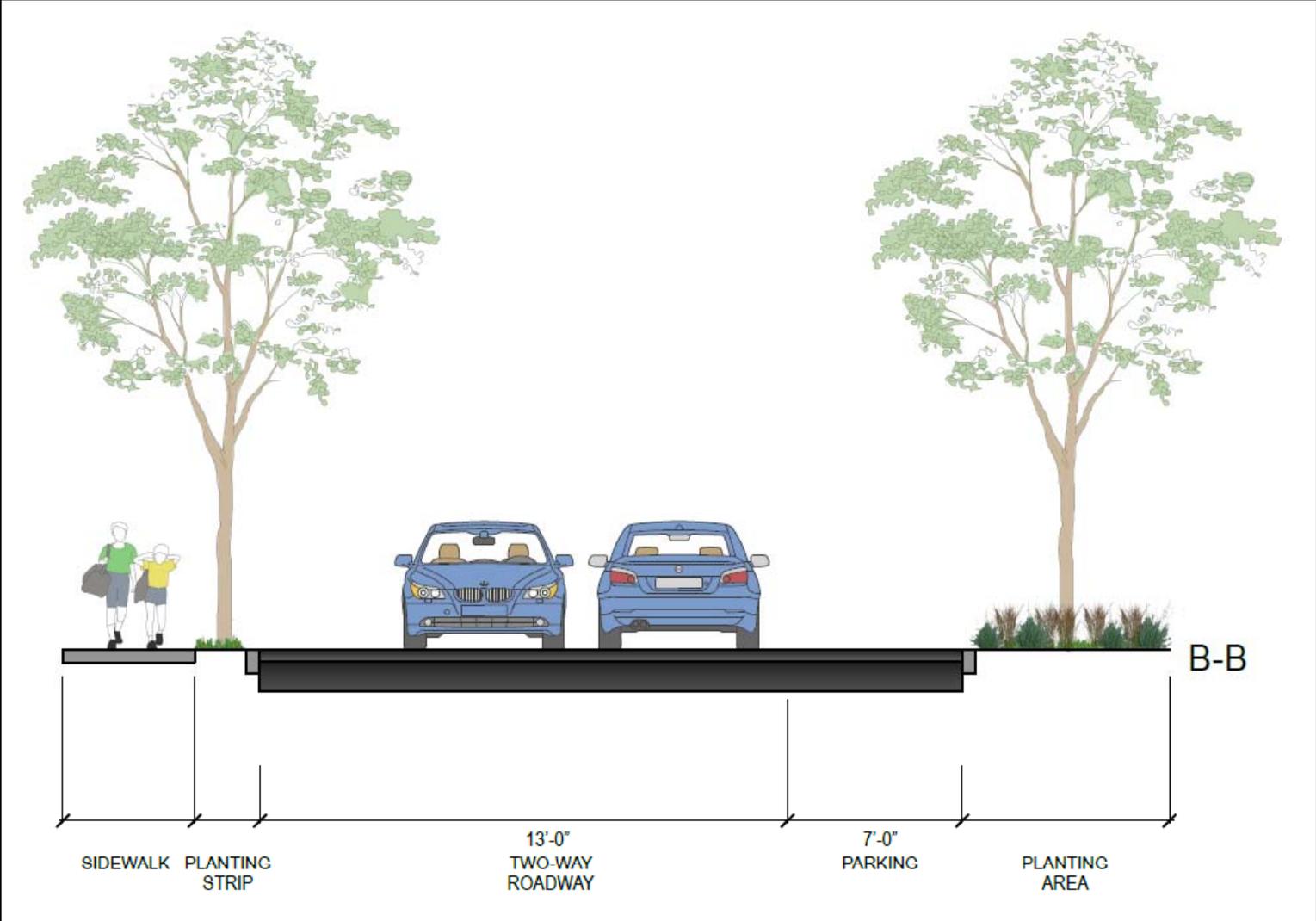
# Conceptual Streetscape Plans



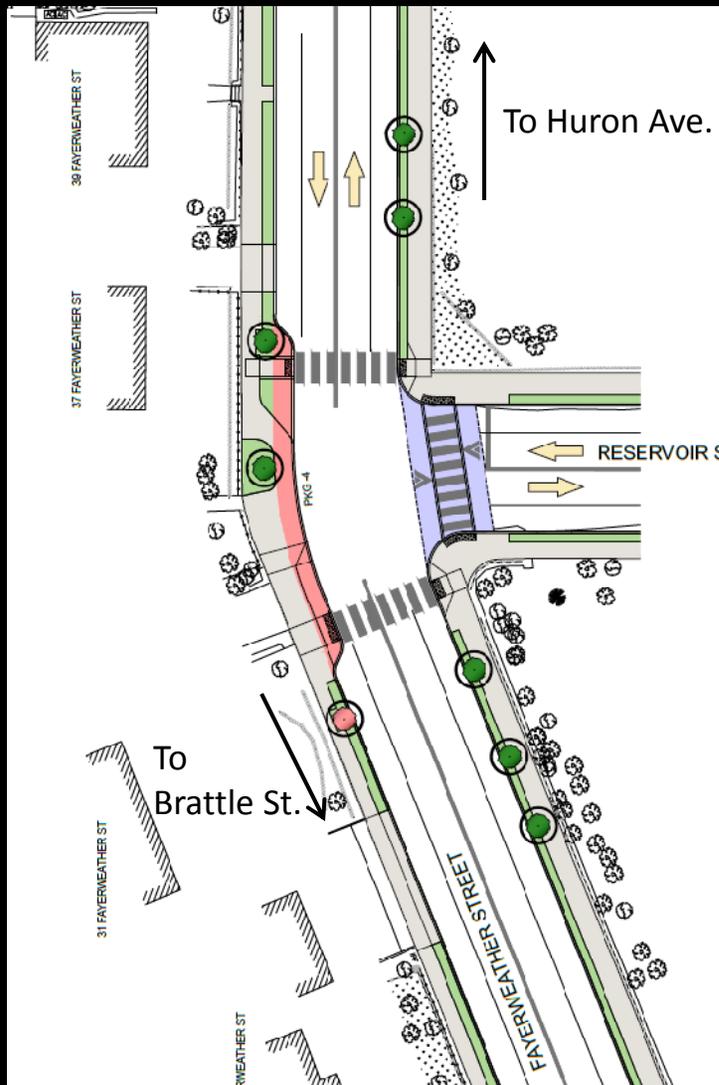
## LEGEND

- |   |                        |   |  |
|---|------------------------|---|--|
|  | PROPOSED SIDEWALK      |  | EXISTING TREE TO REMAIN (19)                           |
|  | PROPOSED LAWN AREA     |  | EXISTING TREE TO REMAIN (5)<br>LESS THAN 36" CLEARANCE |
|  | TRAFFIC LANE DIRECTION |  | REMOVE AND REPLACE                                     |
|  | AT-GRADE CROSSWALK     |  |  |
|  | RAISED CROSSWALK       |  | REQUIRED ACCESSIBILITY                                 |
|  | RAISED INTERSECTION    |  | OPTIONAL IMPROVEMENTS                                  |
- LOSS OF PARKING: 8

# Conceptual Streetscape Plans



# Conceptual Streetscape Plans: Fayerweather and Reservoir



**LEGEND**

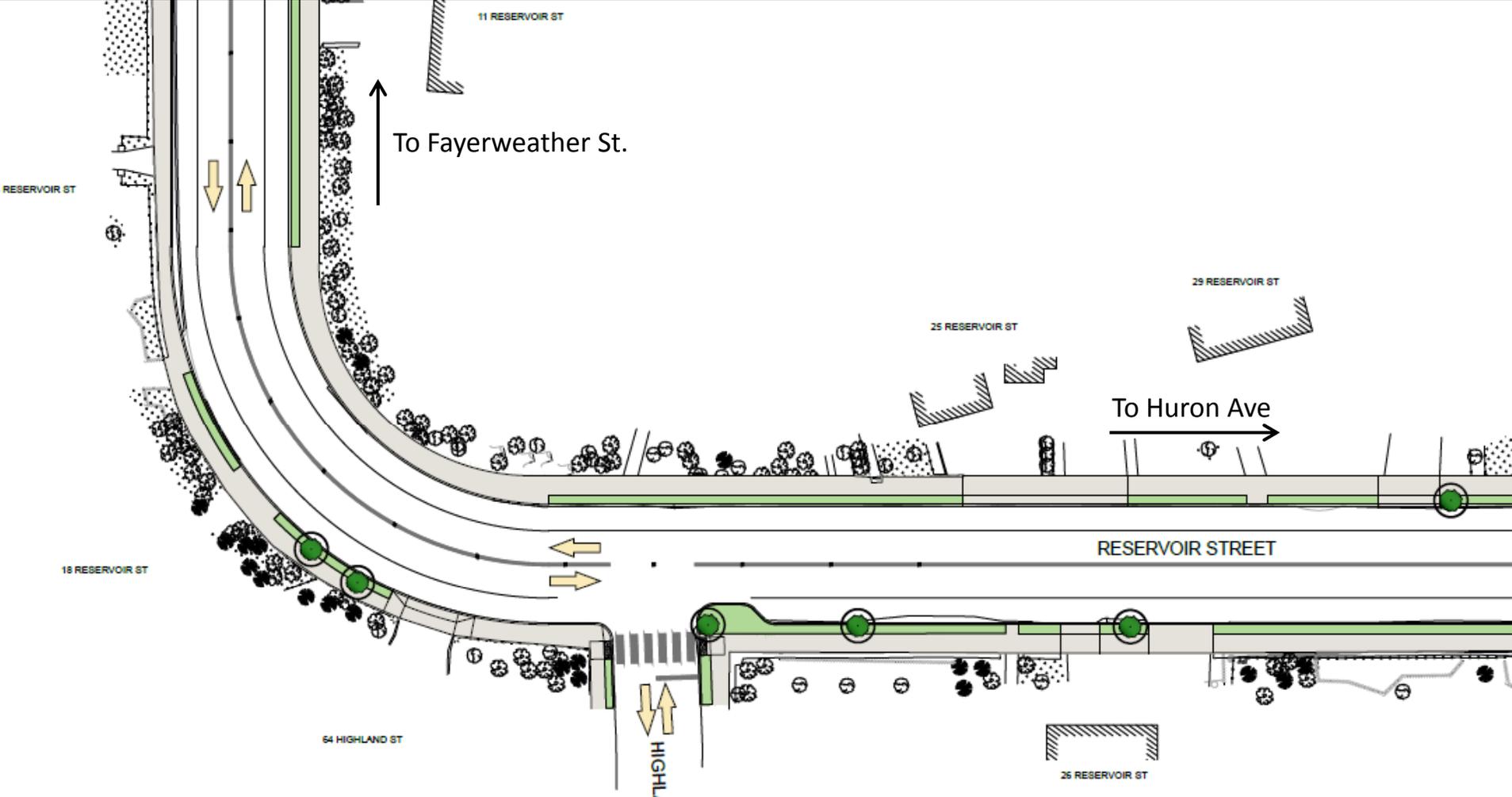
	PROPOSED SIDEWALK		EXISTING TREE TO REMAIN (30)
	PROPOSED LAWN AREA		EXISTING TREE TO REMAIN (7) LESS THAN 36" CLEARANCE
	TRAFFIC LANE DIRECTION		REMOVE AND REPLACE
	AT-GRADE CROSSWALK		PROPOSED TREE
	RAISED CROSSWALK		REQUIRED ACCESSIBILITY
	OPTIONAL IMPROVEMENTS		

# Conceptual Streetscape Plans: Fayerweather and Reservoir



Fayerweather looking south to Brattle Street

# Conceptual Streetscape Plans: Reservoir Street Curve

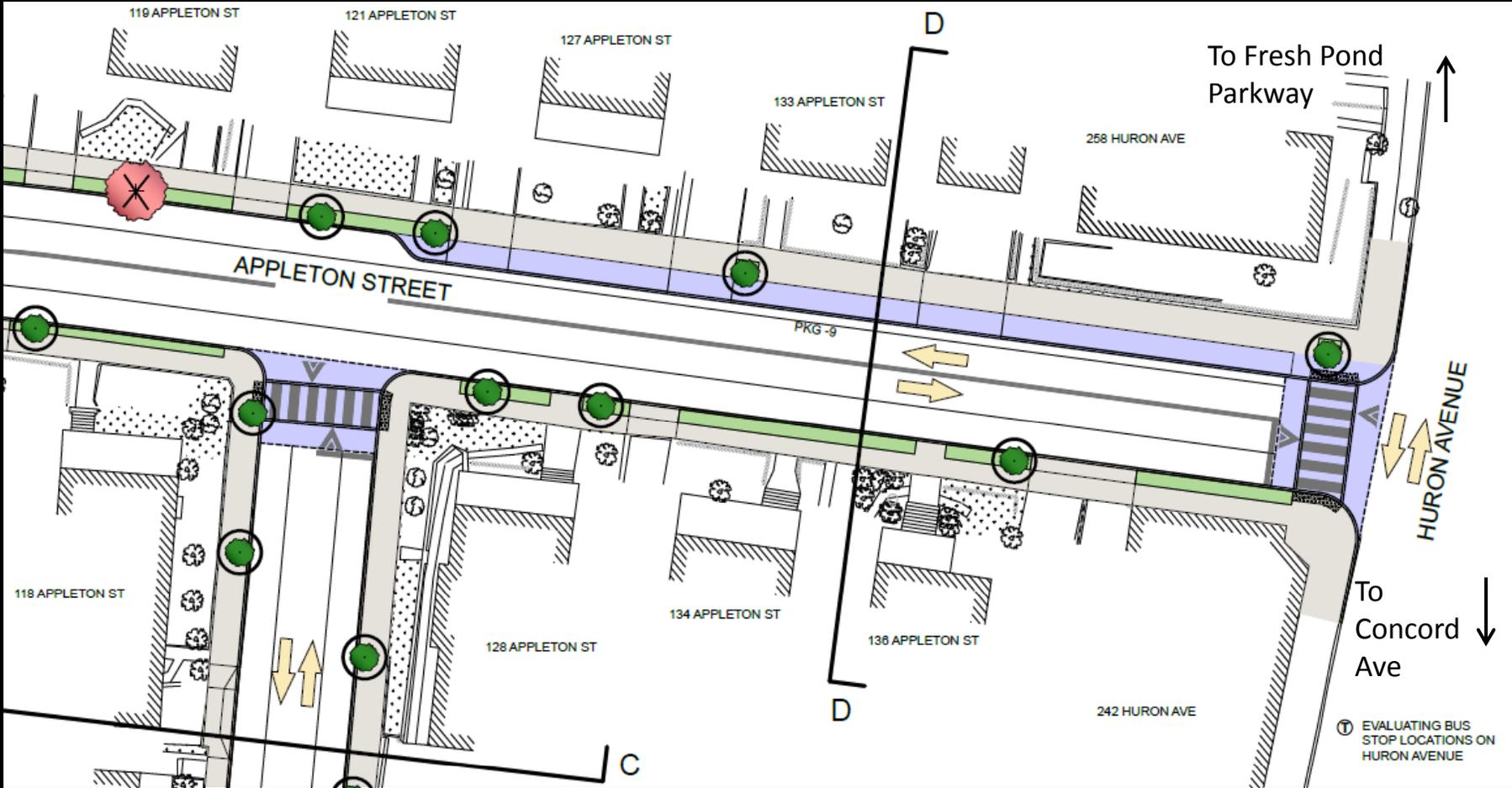


# Conceptual Streetscape Plans: Reservoir Street Curve



Reservoir Street looking south

# Conceptual Streetscape Plans: Appleton Street Curb Extension



# Breakout Groups

1. Reservoir St. / Blakeslee St.

Bill Deignan

2. Fayerweather St. / Gurney St. / Lincoln Ln.

Juan Avendano

3. Appleton St. / Appleton Rd. /Dunstable Rd.

Kathy Watkins

4. Wyman Rd. / Manassas Ave.

Owen O’Riordan

## For your consideration:

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

# Next Steps

- Plans and notes to be posted on the website
- Next Meetings
  - June 28: Residential Streets North of Huron Ave.
  - Mid-September 2012: Next Round of Meetings
- Tree Walks
  - To be Scheduled
    - 2-3 Saturdays Late Summer / Early Fall
- Design Phase – thru March 2013
  - Borings scheduled to begin next week
- Construction begins late Summer 2013

# Contact Information

- **Questions, Comments or Suggestions**
  - Kara McSweeney Falise, Project Manager  
[kmcsweeney@CambridgeMA.gov](mailto:kmcsweeney@CambridgeMA.gov)
- **24-Hour Emergency Assistance**
  - Cambridge DPW at 617-349-4800
- **Information on City Web Site**
  - [www.cambridgema.gov/theworks/cityprojects.aspx](http://www.cambridgema.gov/theworks/cityprojects.aspx),  
under: *Alewife Sewer Separation Project: Huron B Neighborhood*

# Breakout Groups

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