




Huron B Sewer Separation Project Residential Streets North of Huron Community Meeting – June 28, 2012



Huron B Project Area: Residential Streets North of Huron Avenue



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

Huron B: Residential Streets North of Huron

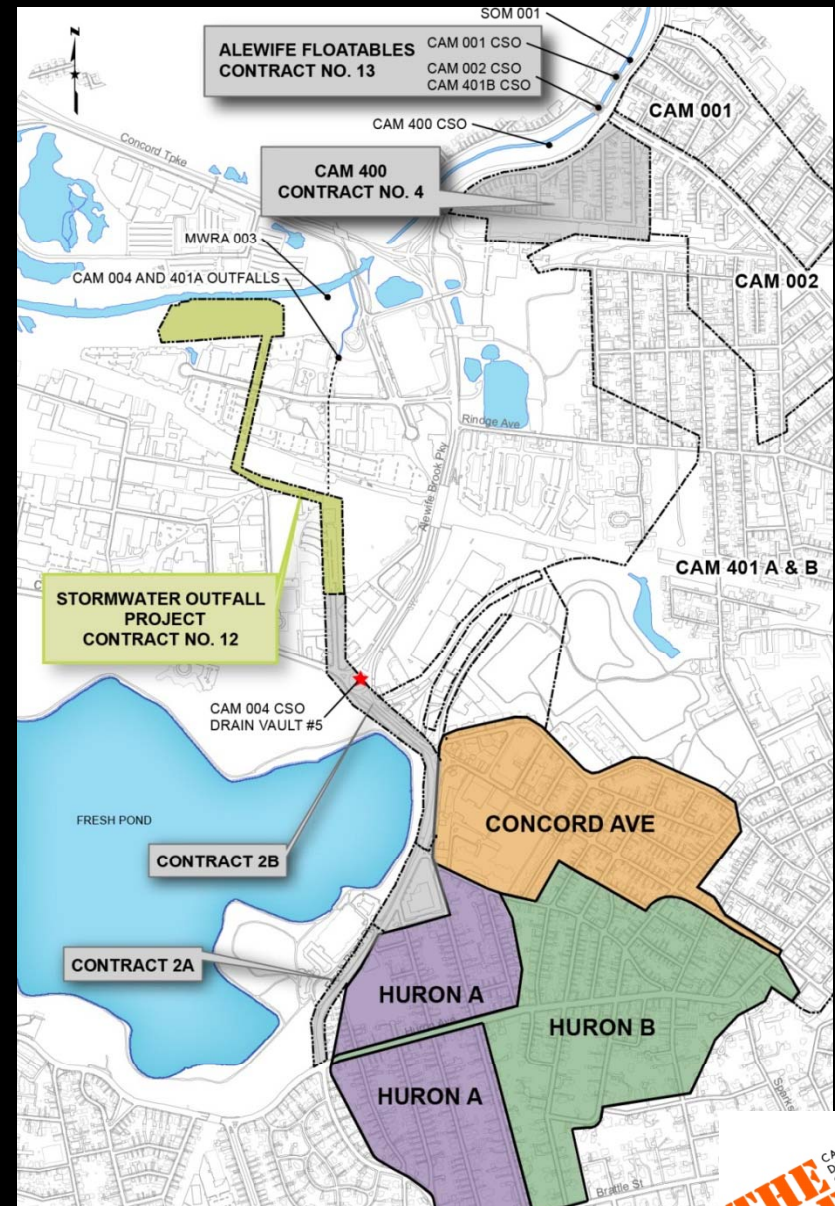
Meeting Agenda

- Project Overview and Update
- Review of Community Input
- Proposed Streetscape Tools/Improvements
- Review of Conceptual Streetscape Plans
- Next Steps

- Breakout Groups - 4 Groups:
 1. Royal Ave / Appleton St. / Hutchinson St. / Saville St.
 2. Vassal Lane
 3. Reservoir St. / Walden St.
 4. Granville Rd. / Fayerweather St. / Chilton St.

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



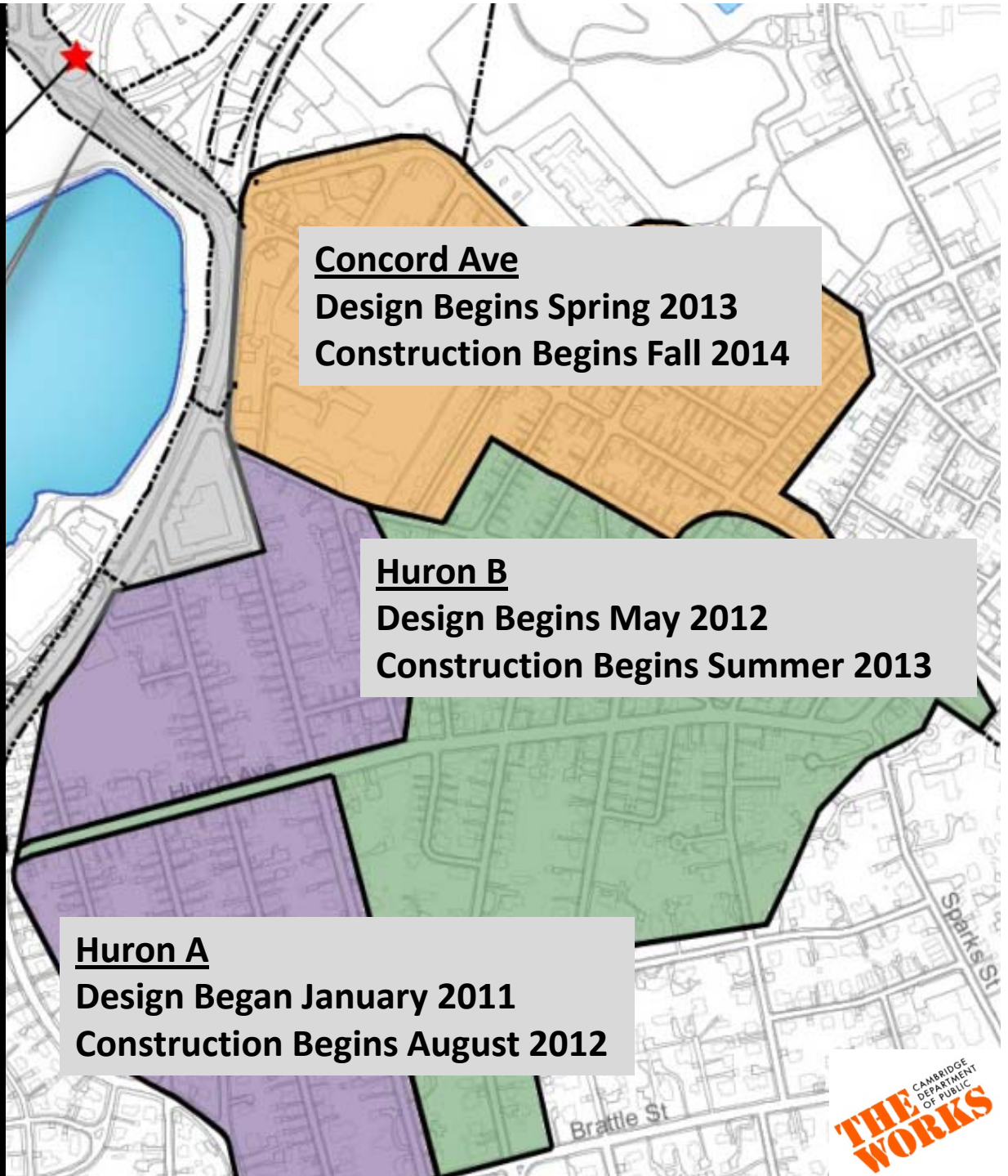
Huron/Concord Project Areas

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



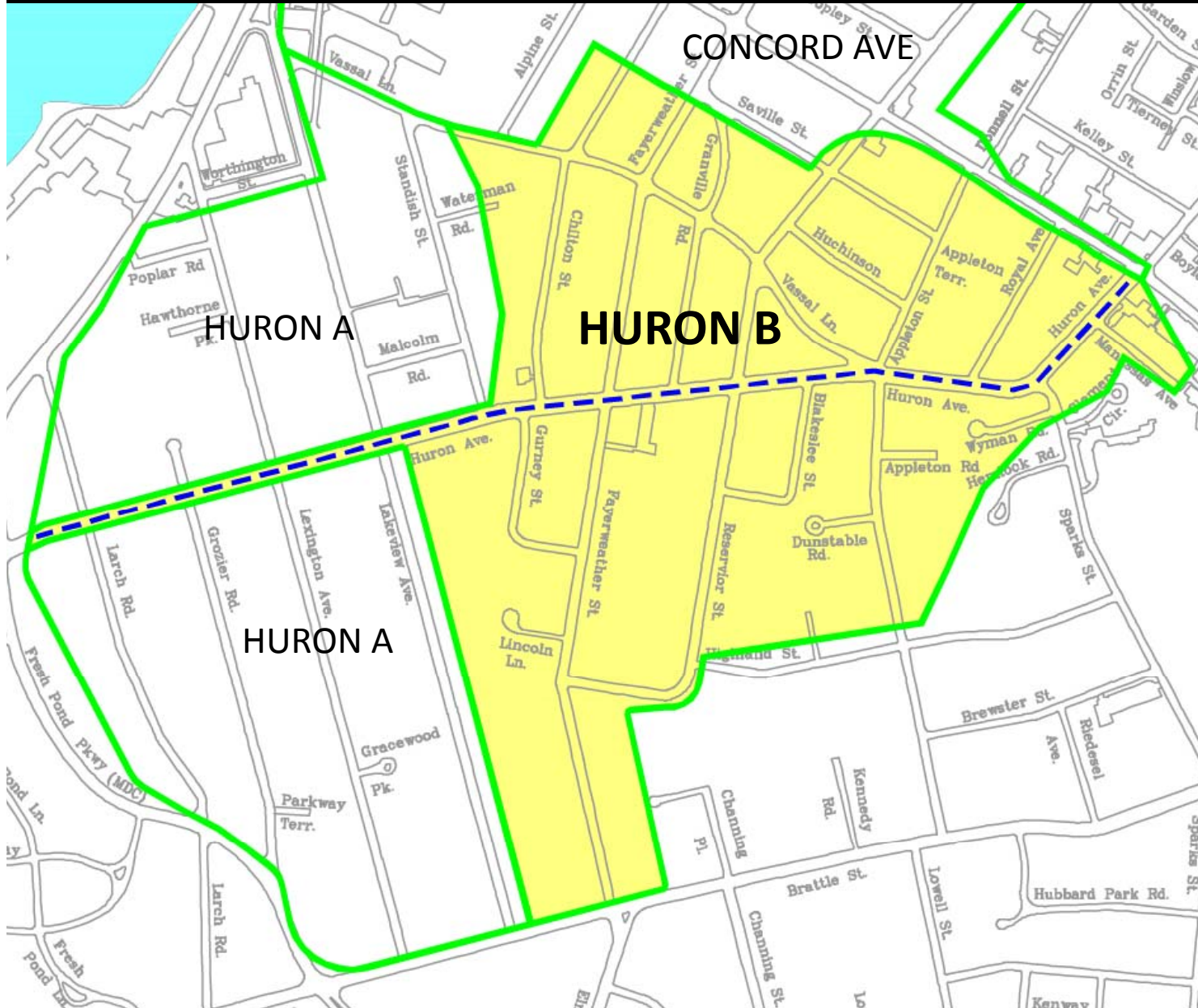
Concord Ave
Design Begins Spring 2013
Construction Begins Fall 2014

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 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 Sightline Concerns

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

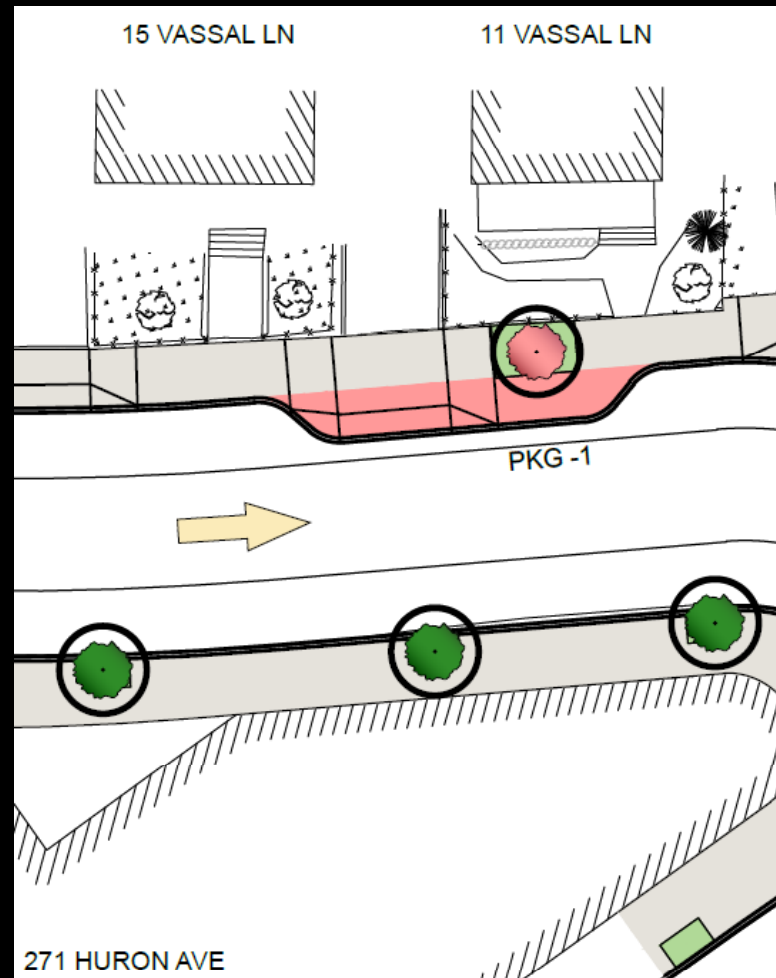
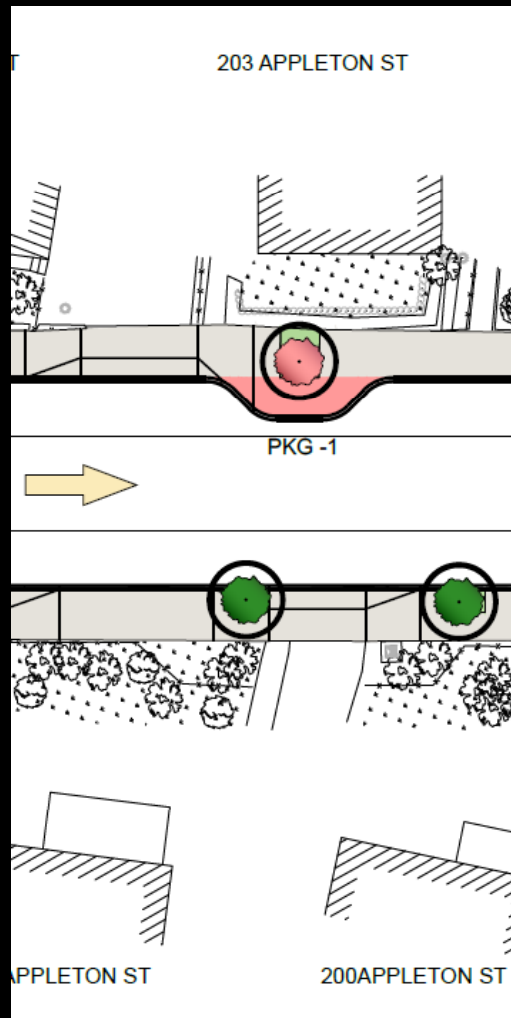
Back of sidewalk option available with property owner's approval



Proposed Improvements: Curb Extensions



Proposed Improvements: Curb Extensions



Proposed Improvements: Raised Crosswalks

Modified Raised Crosswalks proposed as option at most side streets

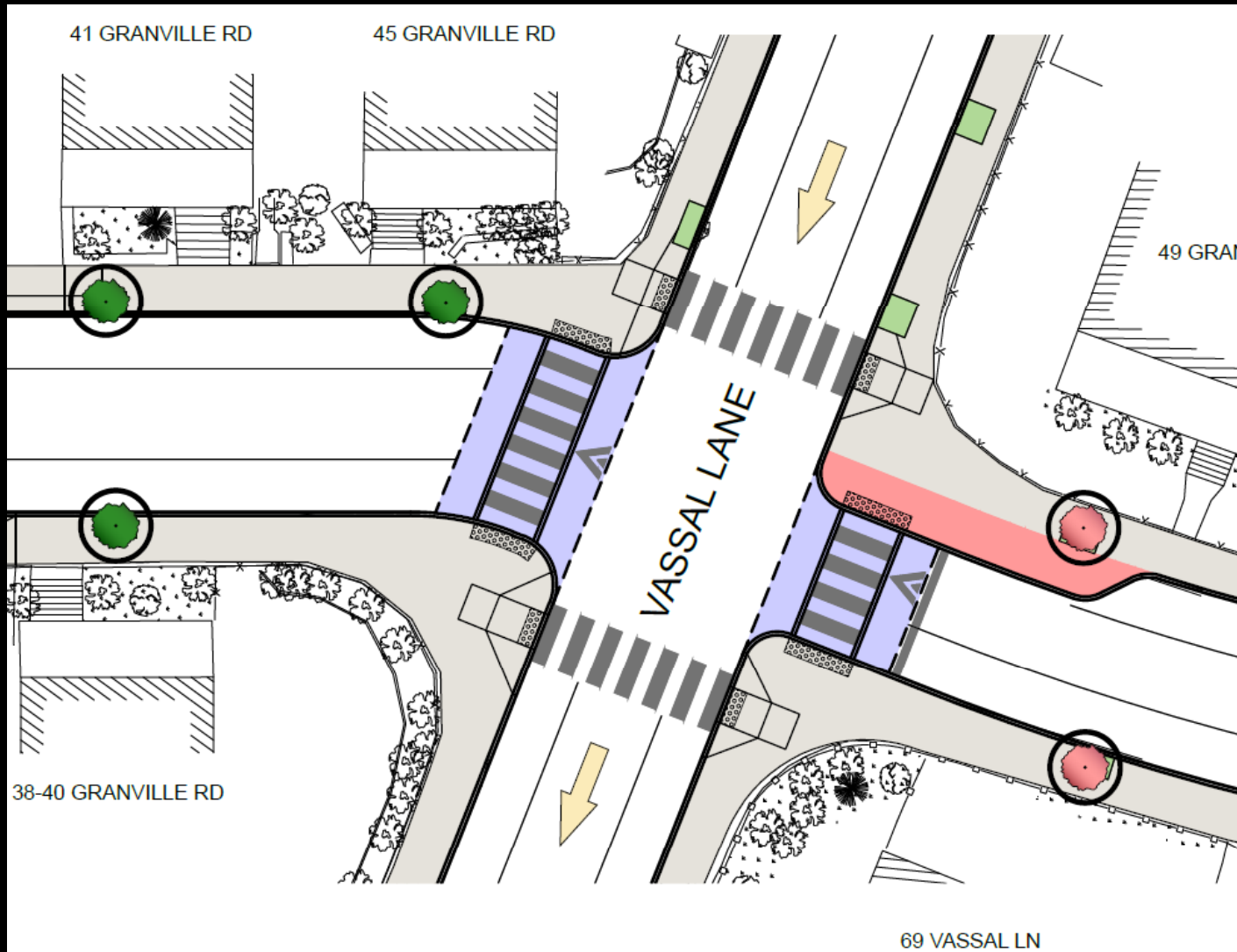


Proposed Improvements: Raised Crosswalks

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

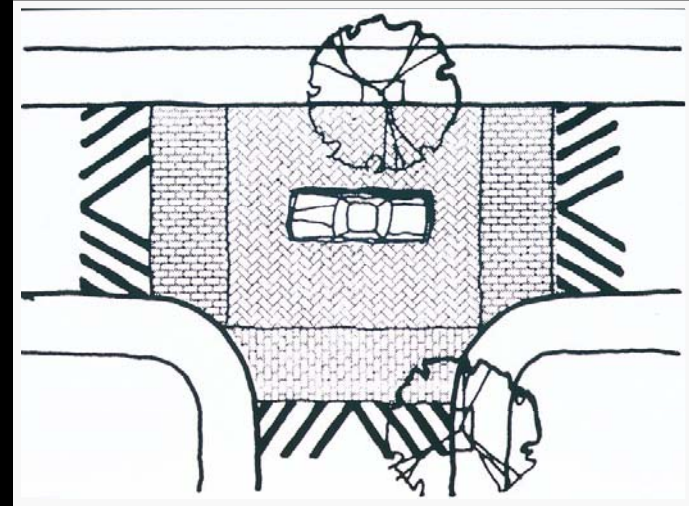


Proposed Improvements: Raised Crosswalks



Proposed Improvements: Raised Intersection

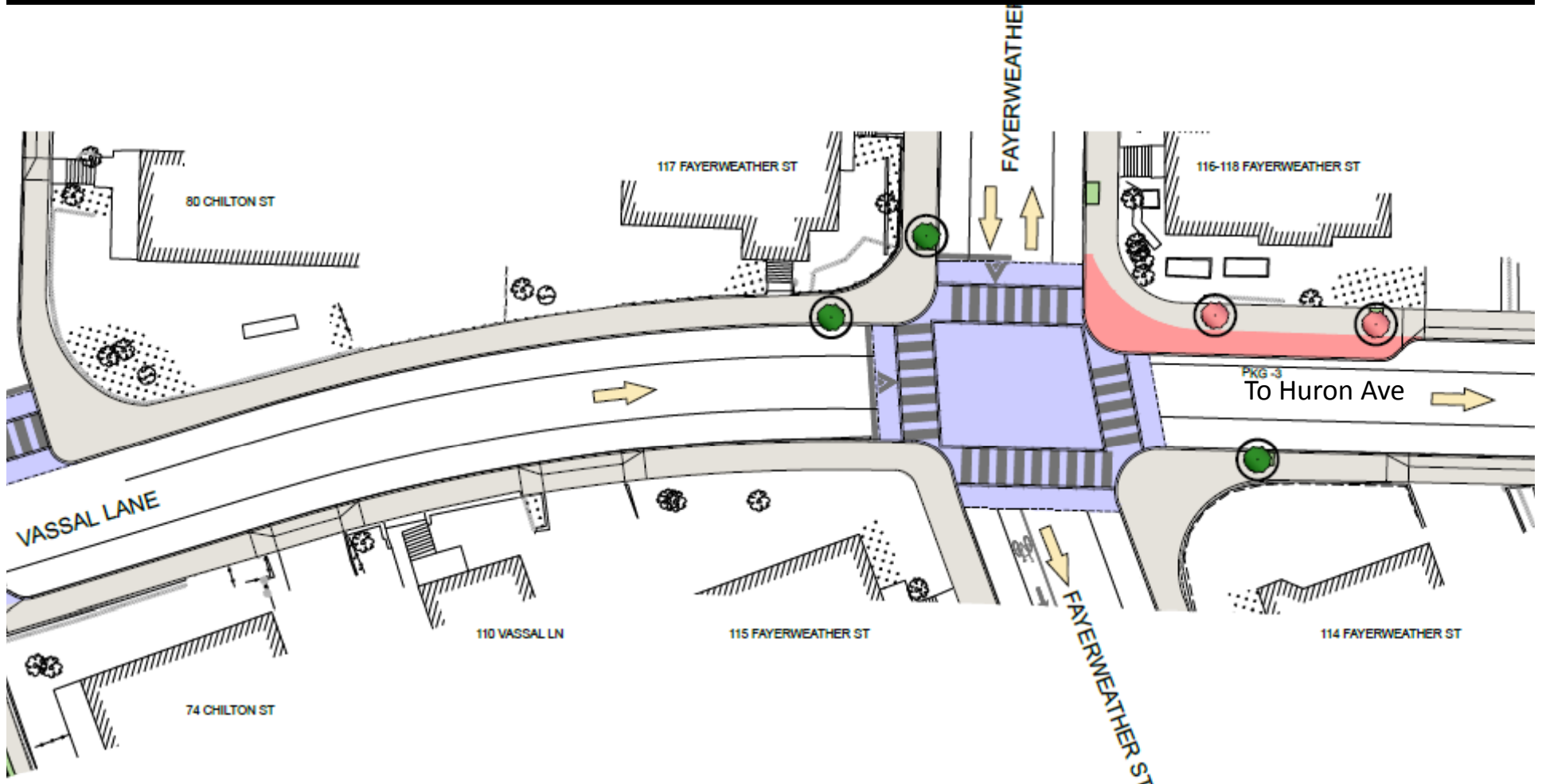
- Improves experience and safety for pedestrians of all abilities
- Reduces speed of motor vehicles



Proposed Improvements: Raised Intersection



Proposed Improvements: Raised Intersection



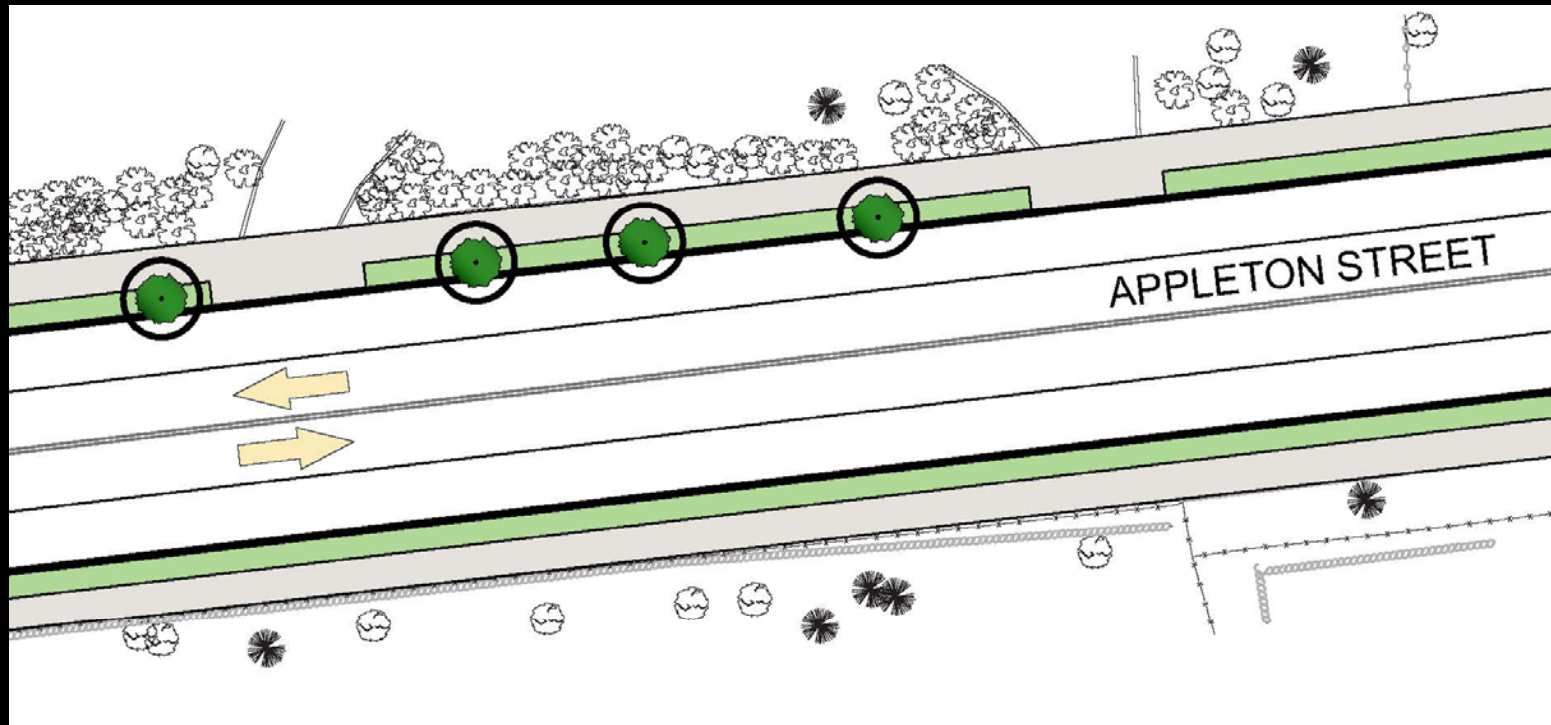
Vassal/Fayerweather Intersection

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



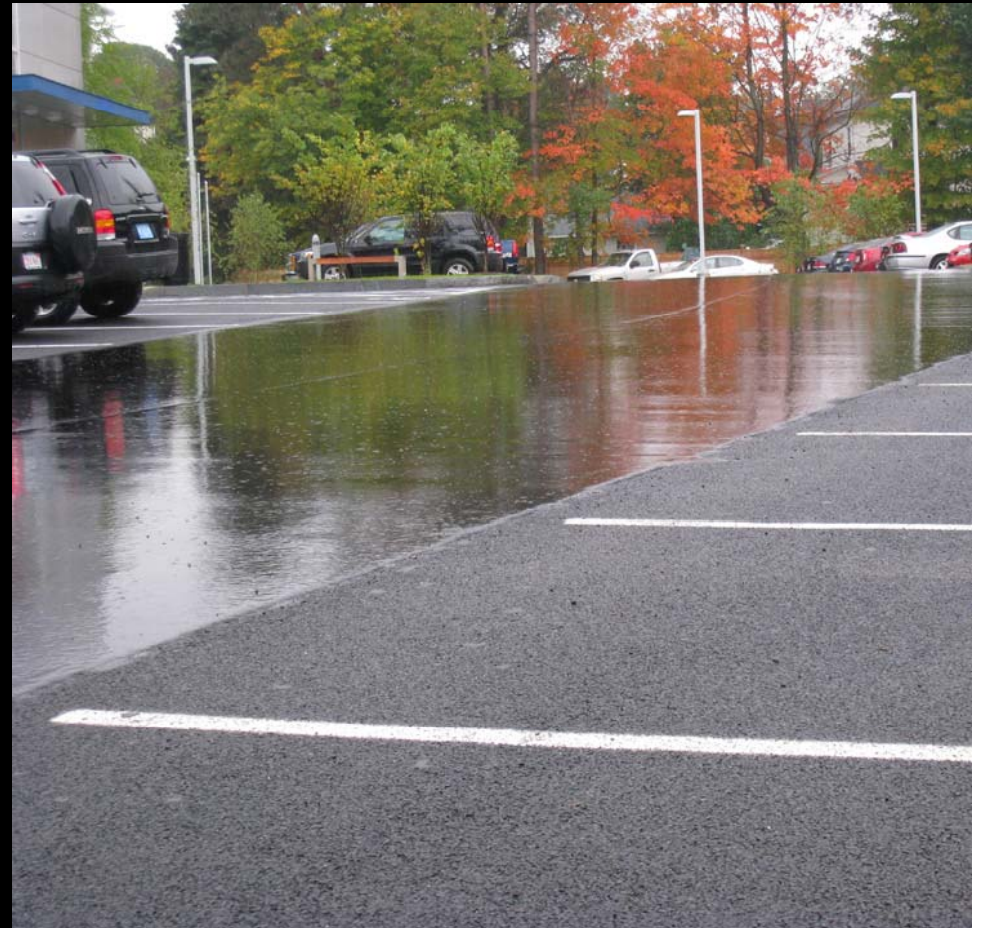
Proposed Improvements: Planting Areas



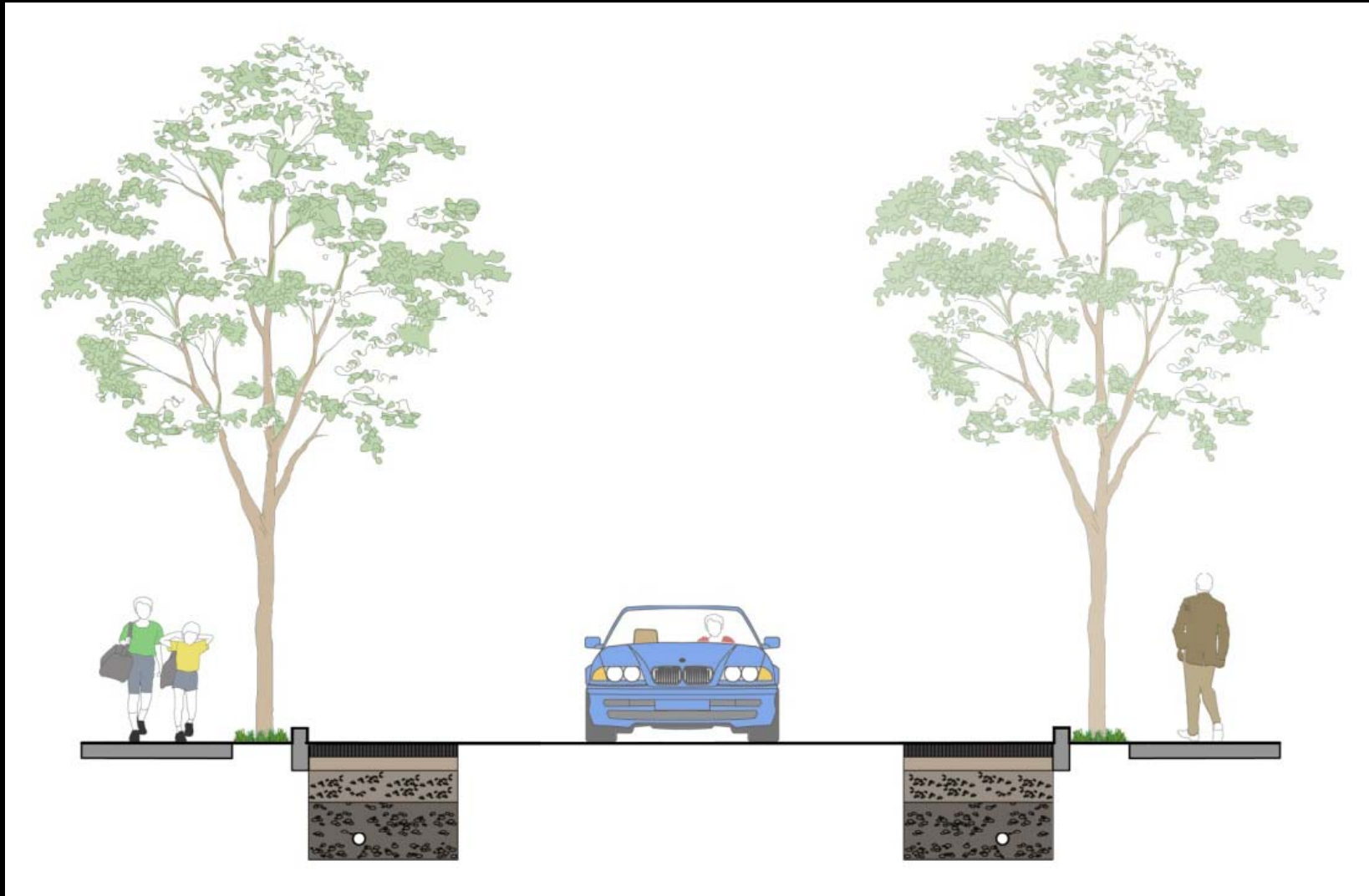
Proposed Improvements: Stormwater Management

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

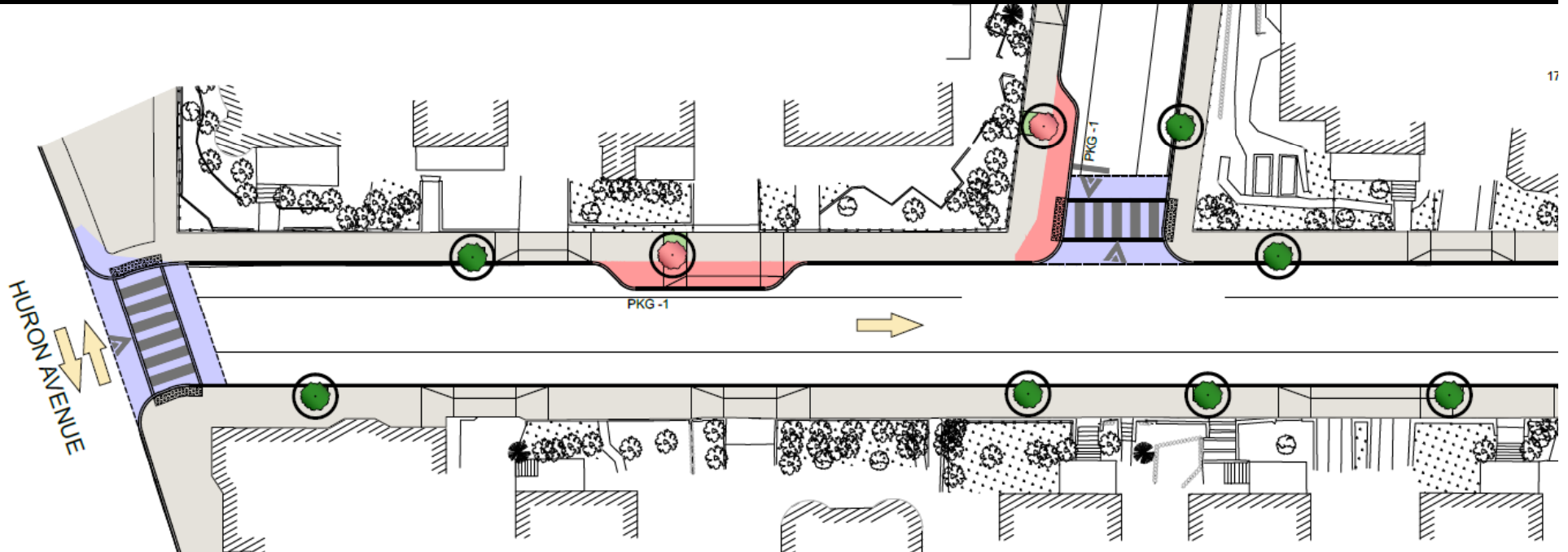
Infiltrating Catch Basin















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.

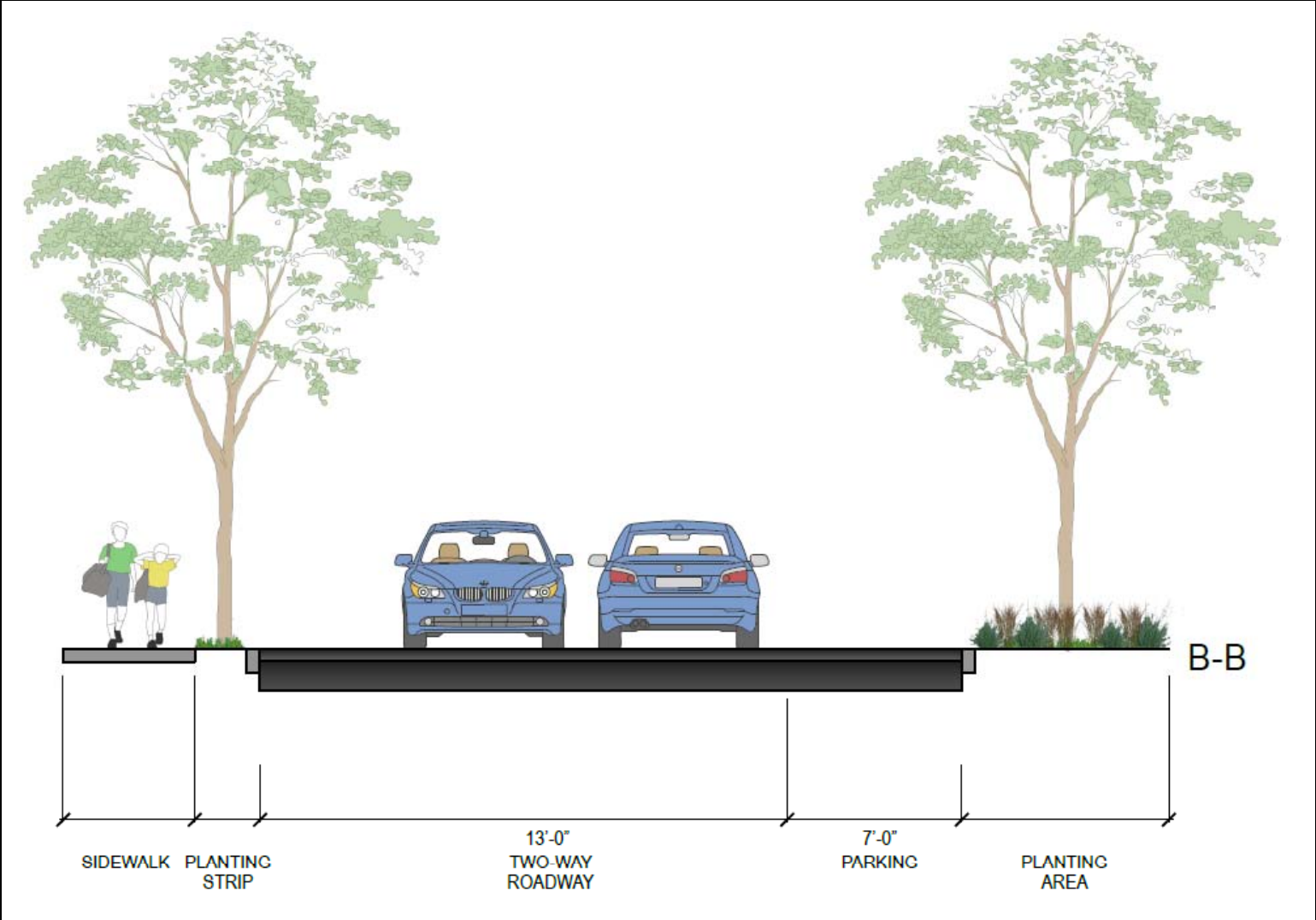
Conceptual Streetscape Plans



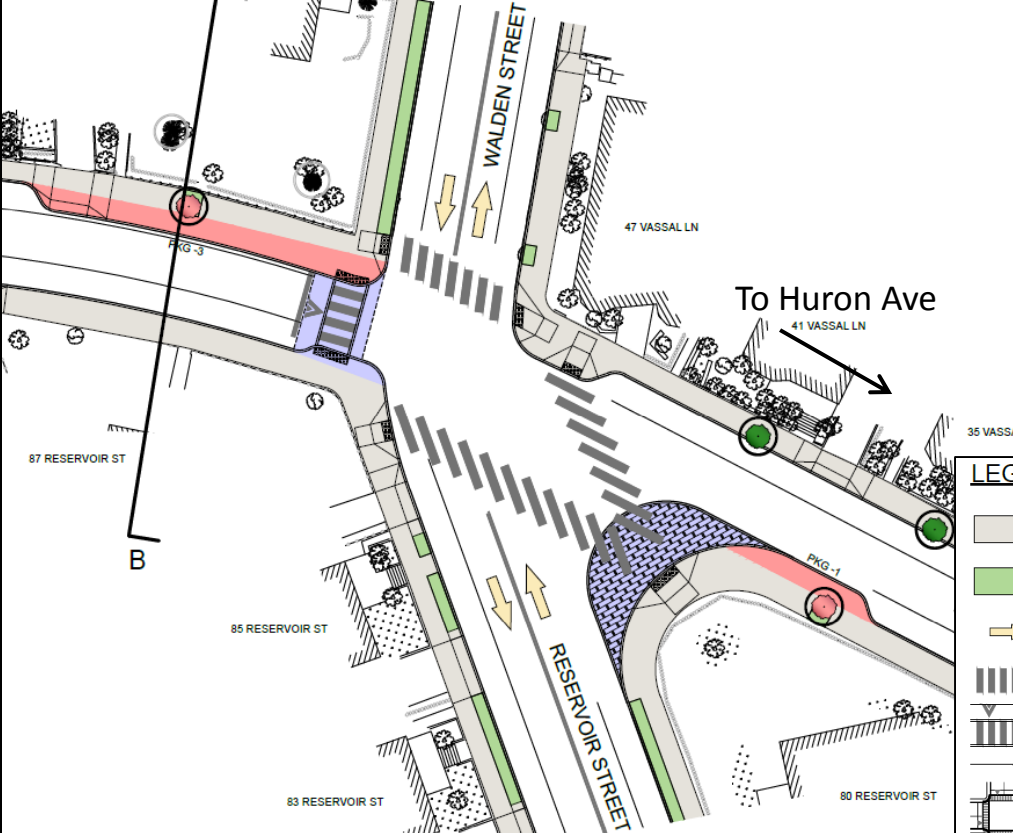
LEGEND

- | | | | |
|---|------------------------|---|--|
|  | PROPOSED SIDEWALK |  | EXISTING TREE TO REMAIN (19) |
|  | PROPOSED LAWN AREA |  | EXISTING TREE TO REMAIN (5)
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: Vassal at Walden/Reservoir



LEGEND

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



Conceptual Streetscape Plans: Vassal at Walden/Reservoir

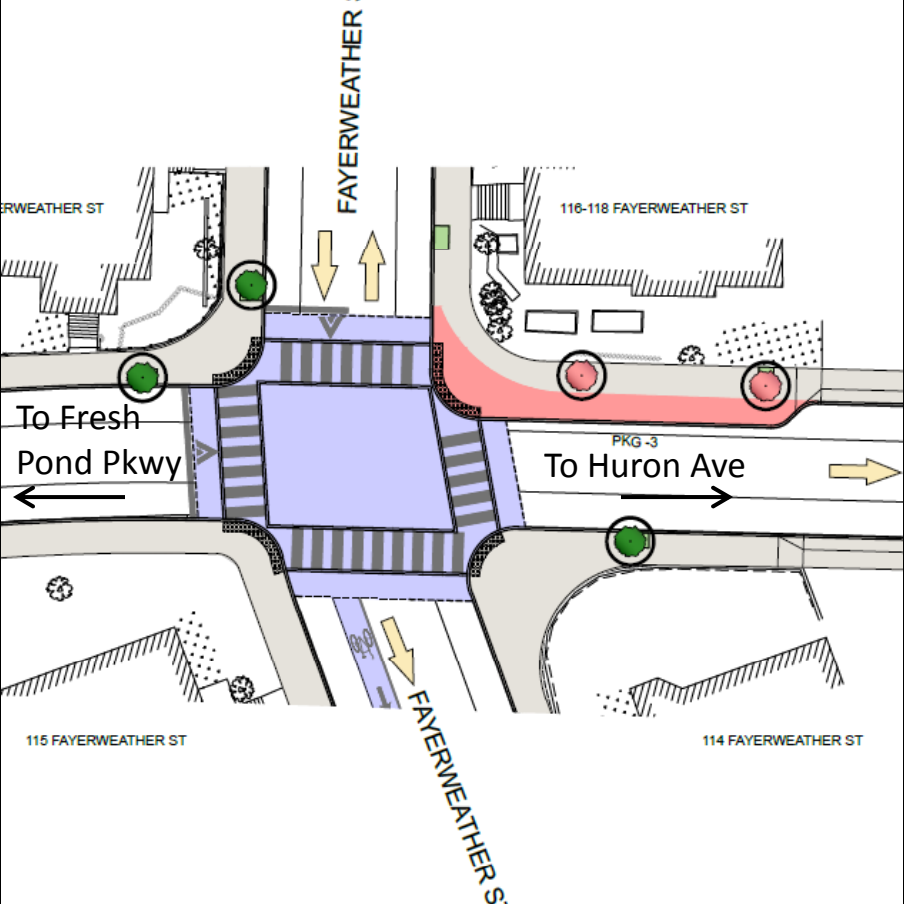


Conceptual Streetscape Plans: Vassal at Walden/Reservoir



Looking Down Vassal Lane toward Huron Ave

Conceptual Streetscape Plans: Vassal at Fayerweather



LEGEND

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			LOSS OF PARKING: 8



Breakout Groups

- | | |
|--|--------------------|
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| 2. Vassal Ln. | Juan Avendano |
| 3. Reservoir St. / Walden St. | Owen O'Riordan |
| 4. Granville Rd. / Fayerweather St. / Chilton St. | Catherine Woodbury |

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
 - 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
- **24-Hour Emergency Assistance**
 - Cambridge DPW at 617-349-4800
- **Information on City Web Site**
 - www.cambridgema.gov/theworks/cityprojects.aspx,
under: *Alewife Sewer Separation Project: Huron B Neighborhood*
 - <http://huronavenue.info>

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