

SELECTMEN'S MEETING
Monday, June 11, 2018
Battin Hall, Cary Memorial Building
7:00 PM

AGENDA

ITEMS FOR INDIVIDUAL CONSIDERATION

1. Center Streetscape Update 7:00 p.m.
 - Presentation (45 min.)
 - Comments/Questions (60 min.)
 - Next Steps (10 min.)

ADJOURN

1. Anticipated Adjournment 8:55 p.m.

The next regularly scheduled meeting of the Board of Selectmen is scheduled for Wednesday, June 13, 2018 at 7:00 p.m. in the Selectmen's Meeting Room, Town Office Building, 1625 Massachusetts Avenue.

A Joint Meeting of the Board of Selectmen, School Committee, Appropriations Committee and Capital Expenditures Committee is scheduled for Thursday, June 14, 2018 at 7:00 p.m. in the cafeteria, Samuel Hadley Public Services Building, 201 Bedford Street.

Hearing Assistance Devices Available on Request

*All agenda time and the order of items are approximate and
subject to change.*


Recorded by LexMedia

AGENDA ITEM SUMMARY

LEXINGTON BOARD OF SELECTMEN MEETING

AGENDA ITEM TITLE:

Center Streetscape Update

PRESENTER:

David J Pinsonneault, DPW Director;
John Livsey, Town Engineer; Center
Streetscape Task Force

ITEM NUMBER:

I.1

SUMMARY:

No vote is requested for this agenda item.

Members of the Town Manager's Center Streetscape Task Force (Pam Shadley, Anne Eccles, Howard Levin, Tim Lee and Peggy Enders) will present the 25 percent design stage recommendations for this project.

SUGGESTED MOTION:

NA

FOLLOW-UP:

Based on Board and community comments, revisions will be made to the 25 percent design plans.

A request for full funding of the design is anticipated for the November Special Town Meeting.

DATE AND APPROXIMATE TIME ON AGENDA:

6/11/2018

7:00 p.m.

ATTACHMENTS:

Description

Type

□ Presentation

Backup Material

TOWN OF LEXINGTON

CENTER STREETSCAPE UPDATE

Board of Selectmen Public Meeting
June 11, 2018



Center Streetscape

Public Meeting June 11, 2018

WELCOME

MEETING AGENDA

- Restate project goals
- Review recent actions on streetscape
- Provide a project update and preliminary estimate
- Hear comments and questions



PROJECT GOALS

- Improved Safety
- Improved Accessibility
- Renewal of the Mid-Century Modern landscape



RECENT ACTIONS

- **Create Town Manager Work Group to guide design team & staff**
- **Two Additional Reports** (requested by Ad Hoc Committee)
 - Historic Resource Assessment of Designed Landscape
By Public Archeology Laboratory (PAL), January 2018
 - Tree Inventory and Management Plan
By Bartlett Tree Experts, October 2017



WORKING GROUP

The project update is based on the *January 30, 2017* vote of the Board of Selectmen approval of elements in the Ad Hoc Report.

Working Group

- Howard L. Levin, Chair Ad Hoc Committee
- Anne Laurin Eccles, Historic Districts Commission
- Margaret S. Enders, Bicycle Advisory Committee
- Timothy D. Lee, Design Advisory Committee
- Pamela F. Shadley, Center Committee

Town Staff

- David Pinsonneault, CSFM, CPRP, DPW Director
- John Livsey, PE, Town Engineer

Design Consultant

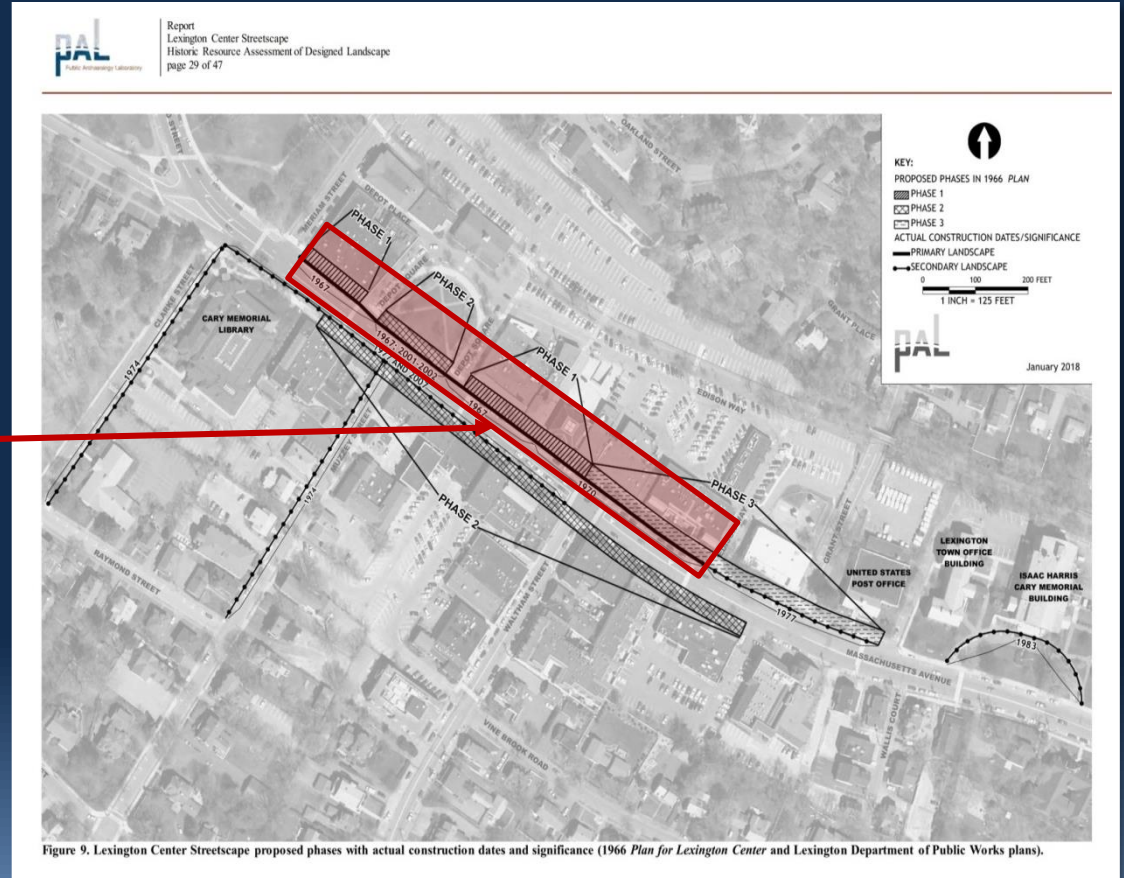
- Kelly Carr, RLA, ASLA, Beta Group, Inc.
- Kien Ho, PE, Beta Group, Inc.



RECENT ACTIONS

Summary: Historic Resource Assessment of Designed Landscape

Restore Primary Historic
Landscape (in Red)



Center Streetscape

Public Meeting June 11, 2018

RECENT ACTIONS

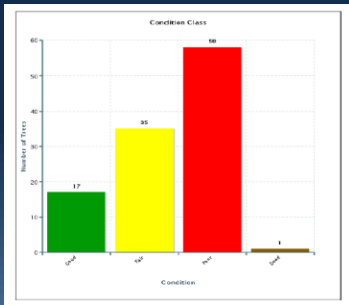
Summary:

Tree Inventory and Management Plan

53% are Poor or Dead

32% are Fair

15% are Good



CONDITION CLASS BREAKDOWN		
Condition Class	Quantity	% of Total
Good	17	15%
Fair	35	32%
Poor	58	52%
Dead	1	1%



Center Streetscape

INVENTORIED TREES BY CONDITION CLASS



Public Meeting June 11, 2018

STREETSCAPE ELEMENTS

Updated 25% Design is consistent with the direction by the Ad-Hoc Committee and Board of Selectmen

CENTER STREETSCAPE SUMMARY

Streetscape Element	Ad-Hoc	BOS	Updated 25%
Roadway, parking	n/a	✓	✓
<i>Eliminate decorative crosswalks</i>	✓	✓	✓
Simplified overall design	✓	✓	✓
Sidewalk			
<i>Material locations</i>	✓	✓	✓
<i>Installation method</i>	✓	n/a	✓
<i>Embedded historical medallions</i>	✓	✗	✗
Lighting	✓	✓	✓
Trees			
<i>Species</i>	✓	✓	✓
<i>Suspended pavement or tree grates</i>	✓	✓	✓
Irrigation	✓	✓	✓
Seating			
<i>Style, locations, layout</i>	✓	✓	✓
Bicycle Parking	✓	✓	✓
Buffers, edges, walls, fences, bollards			
<i>Planter type</i>	✓	✓	✓
<i>Trash receptacle type</i>	✓	✓	✓
<i>Eliminate walls and bollards</i>	✓	✓	✓
<i>Eliminate posts and fences</i>	✓	✓	✓
Stormwater Infiltration	✓	✓	✓
Signage			
<i>Consolidate, use black posts</i>	✓	✓	✓



Center Streetscape

Public Meeting June 11, 2018

UPDATE

Project Limits:

- From Cary Library to Police Station (no Woburn Street intersection)
- Waltham Street to parking area entrance



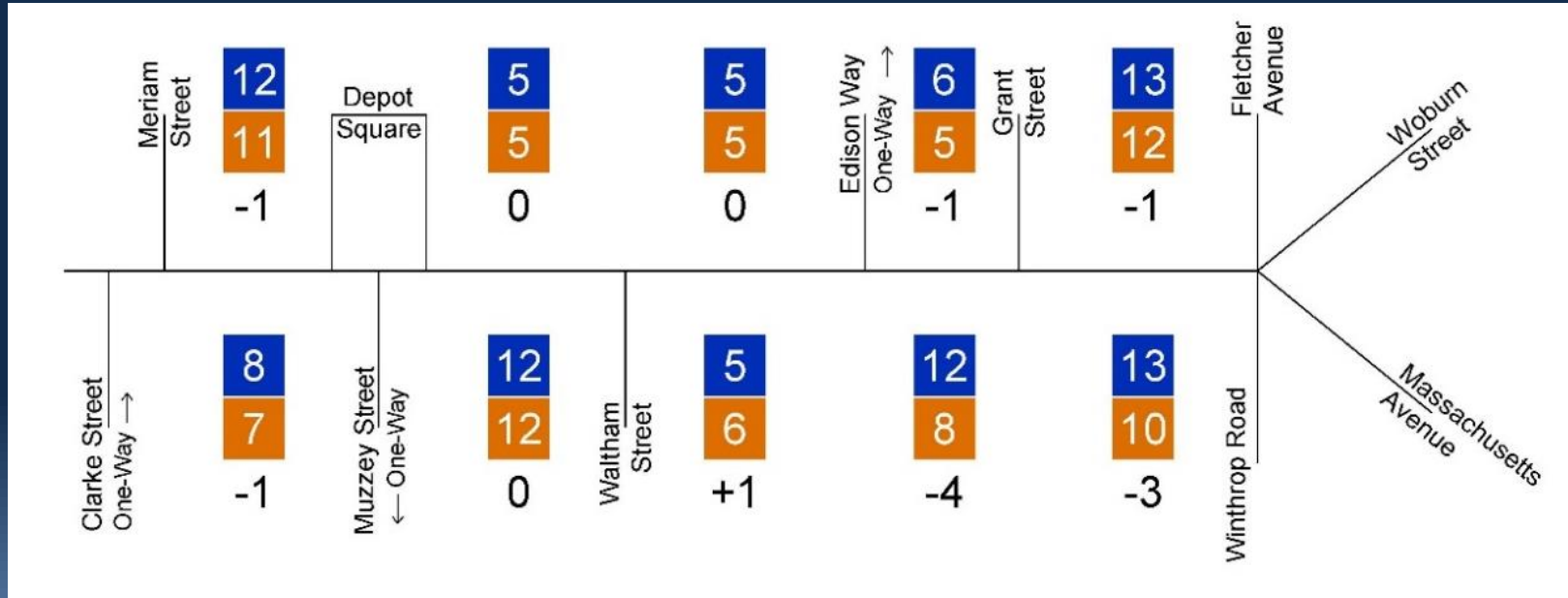
Center Streetscape

Public Meeting June 11, 2018

UPDATE

PARKING

- 91 Existing (blue)
- 81 Proposed (orange)
- Net lost of 10 spaces
- Plus loss of 1 on Waltham



UPDATE

SIDEWALK

- Brick where there is currently brick
- Concrete with brick edging where there is currently concrete



Center Streetscape

Public Meeting June 11, 2018

UPDATE

SIDEWALK

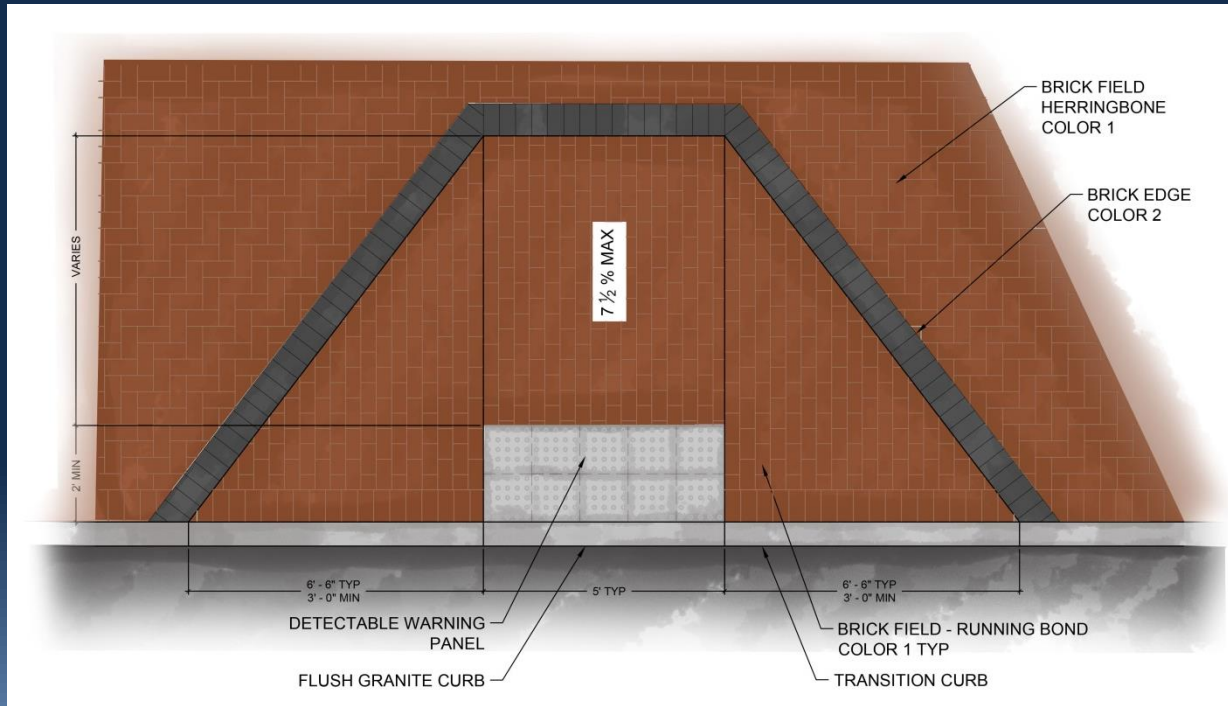
- Wire cut straight edge brick paver (no spacers)
- Color: red to dark brown
- Hand tight, sand swept joints
- Set to industry standards
- Drainage – minimal cross slope meeting or exceeding ADA standards
- Herringbone pattern set 90 degrees to the direction of travel



UPDATE

SIDEWALK

- Contrasting curb ramp trim
- Granite detectable warning panel with contrasting color



UPDATE

SAFETY

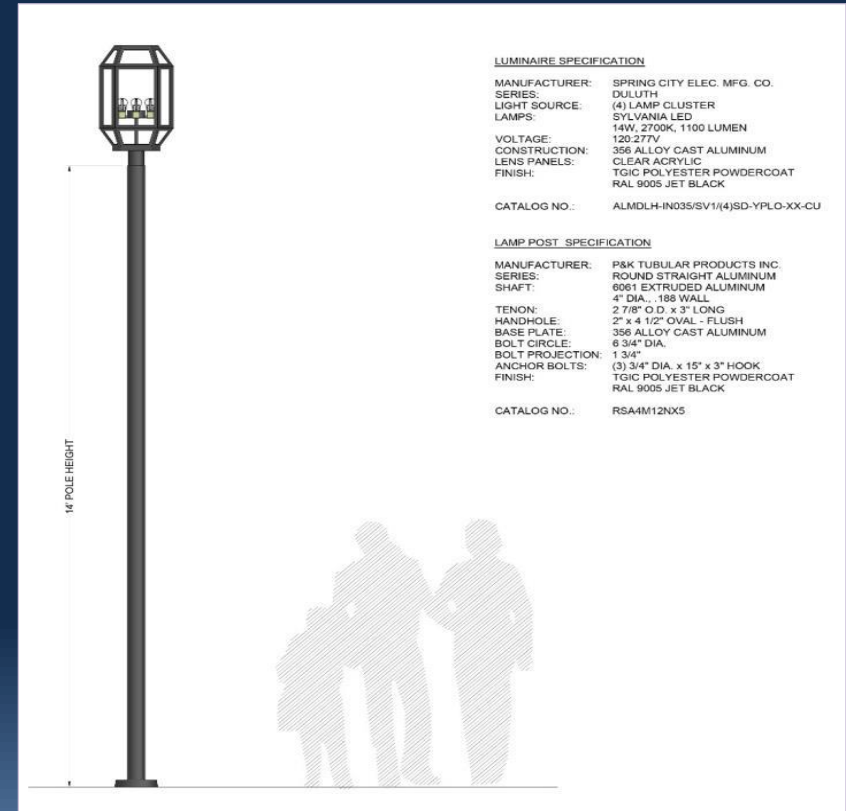
- Bump-outs to shorten crossings
- Improved pedestrian visibility
- Traffic Calming
- Improved lighting at crosswalks



UPDATE

LIGHTING (pedestrian level)

- Consistent with existing lighting
- Slender, simple pole and base
- Luminaire and pole painted black
- Top shielding to prevent upward lighting
- LED bulbs



UPDATE

LIGHTING (roadway light)

- Slender profile, unobtrusive
- Minimal visual presence
- Small base to reduce pedestrian conflicts
- Height in range of 21 to 30 feet
(existing height = 24')
- Painted black
- Banner arms possible
- LED bulbs

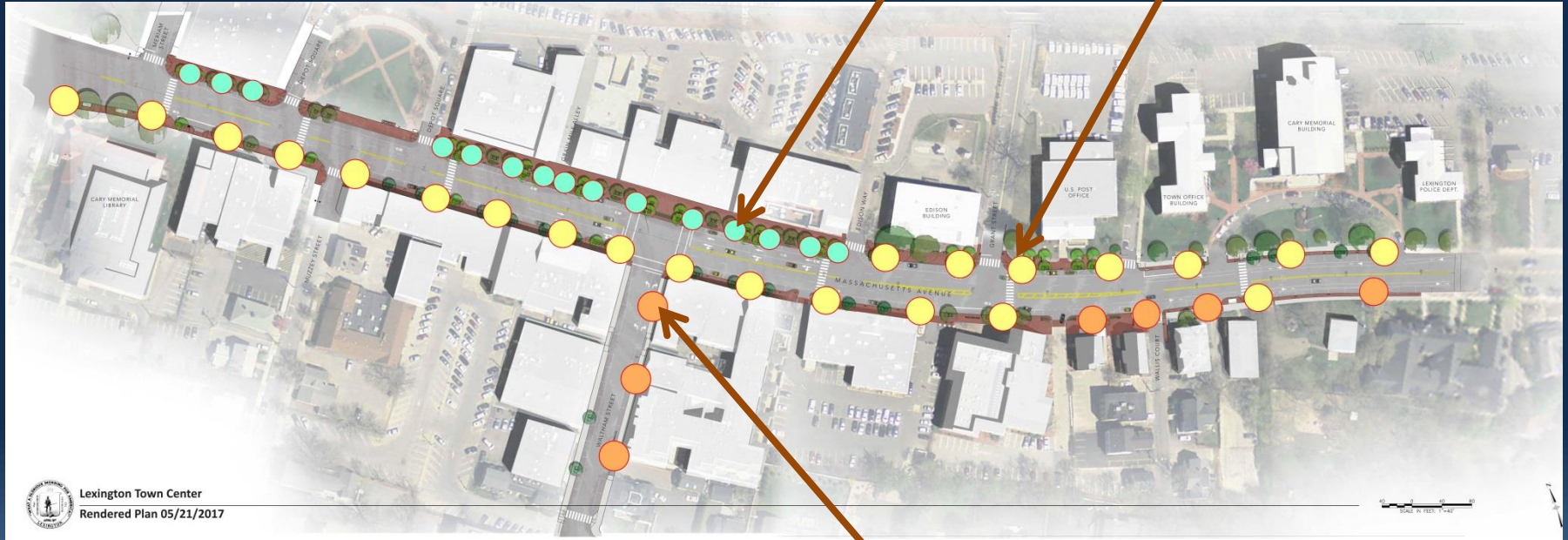


UPDATE

LIGHTING (updated plan)

Pedestrian Light

Roadway Light



Lexington Town Center
Rendered Plan 05/21/2017

Roadway Light on Utility Pole

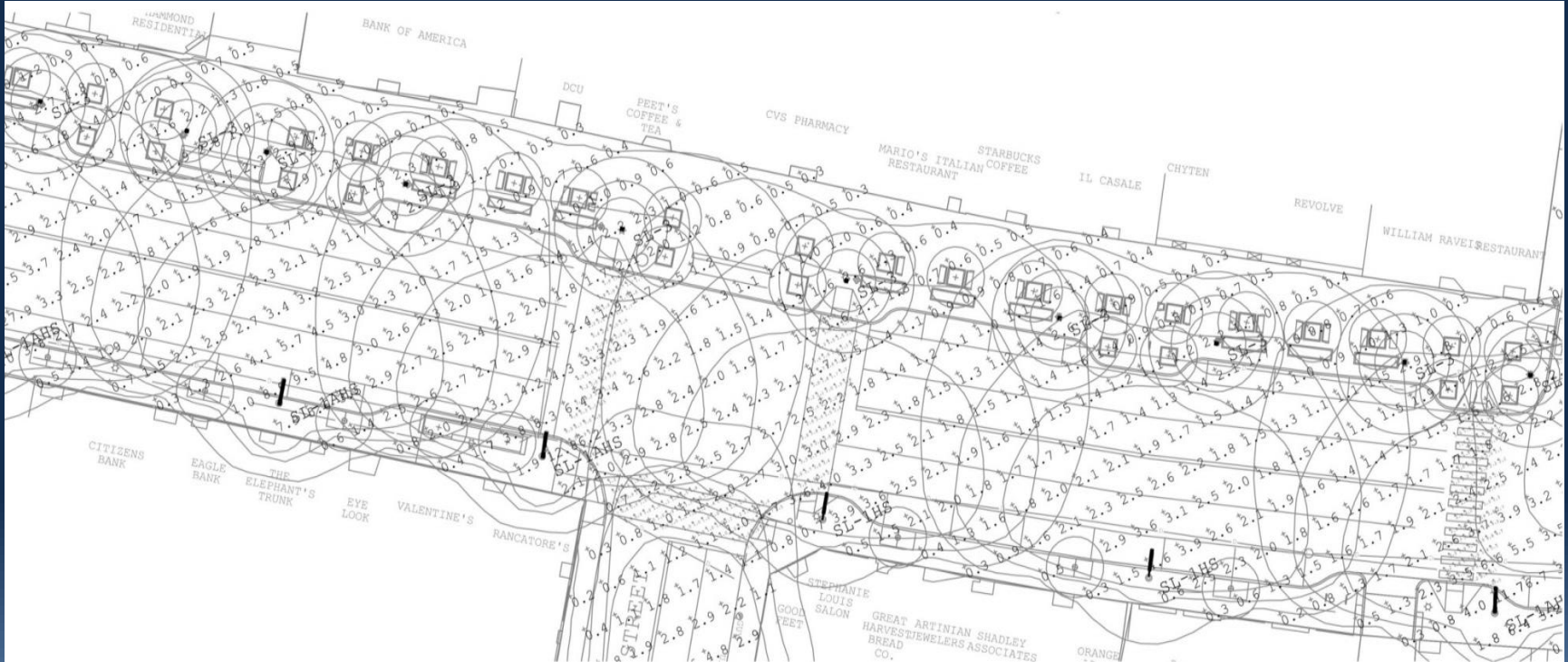


Center Streetscape

Public Meeting June 11, 2018

UPDATE

LIGHTING PHOTOMETRIC PLAN: Design for recommended footcandles



Center Streetscape

Public Meeting June 11, 2018

UPDATE

CRITERIA FOR TREE SELECTION

- Hardy to our region
- Low maintenance
- Tolerant of urban conditions
- Variety of species
- Distinct zones created
- Solar orientation, drainage considered
- Continuous canopy on both sides of street
- Large caliper at installation



Honeylocust



Zelkova



Center Streetscape

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UPDATE

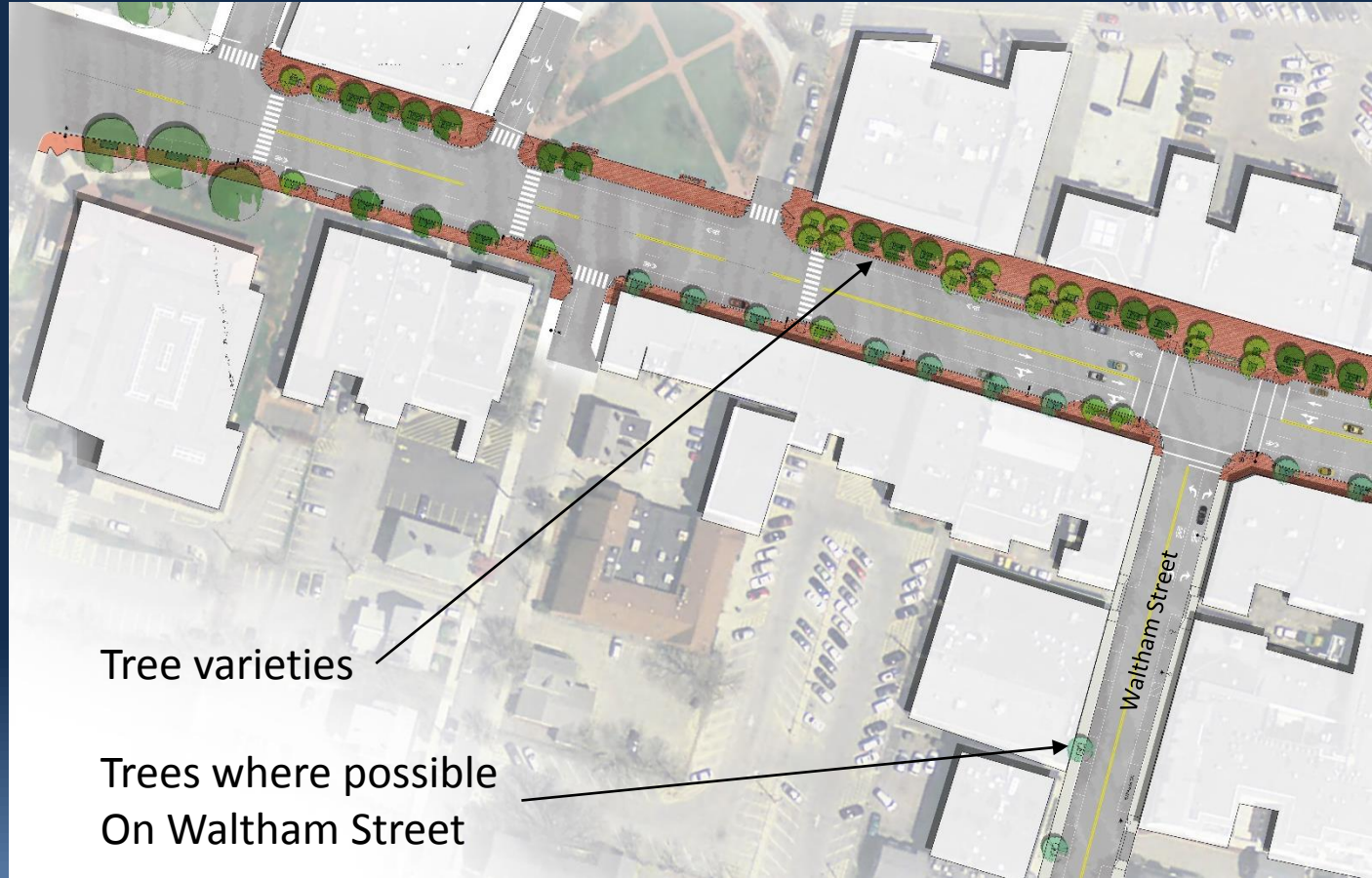
TREE HEALTH

- Curbed tree pits in Primary Historic Landscape, with suspended pavement to increase soil volume
- Tree grates flush with sidewalk to minimize root compaction
- Irrigation and underdrainage for all plantings



UPDATE

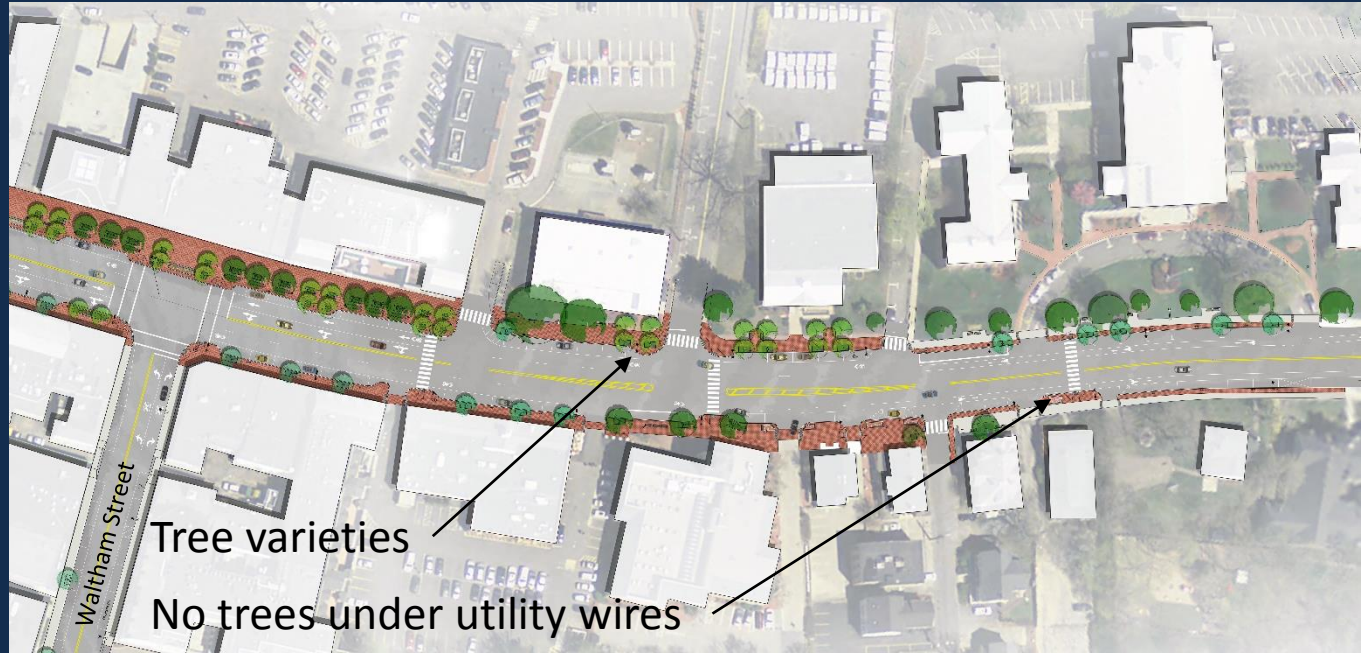
TREES Cary Library To Waltham St.



UPDATE

TREES

Waltham St. to
Police Station



Center Streetscape

Public Meeting June 11, 2018

UPDATE

SEATING – Benches

- Remove and reset good condition benches
- Use IPE wood for new benches and transfer plaques
- Incorporate individual chairs and backless benches for diverse and flexible seating



UPDATE

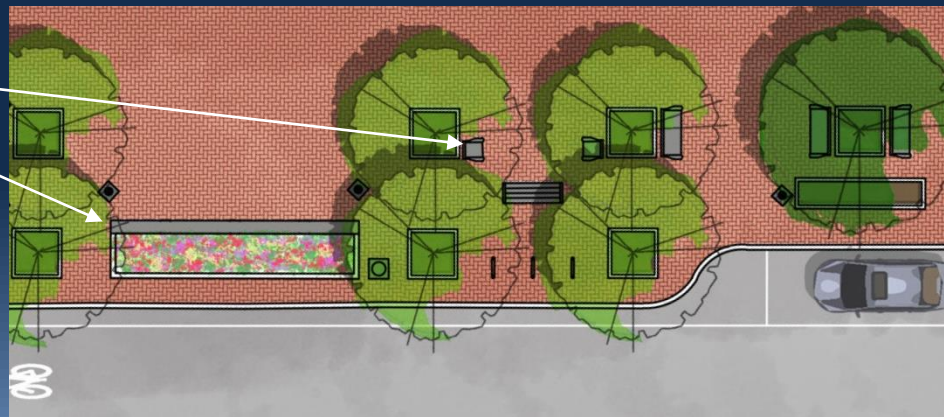
SEATING – New Seating

- Create a variety of seating areas and types / sizes
- Additional seating for conversation and interaction



Benches and chairs

Wood seat on granite planter wall



Center Streetscape

Public Meeting June 11, 2018

UPDATE

BICYCLE PARKING - OPTIONS

Double and/or single parking post



Swerve rack

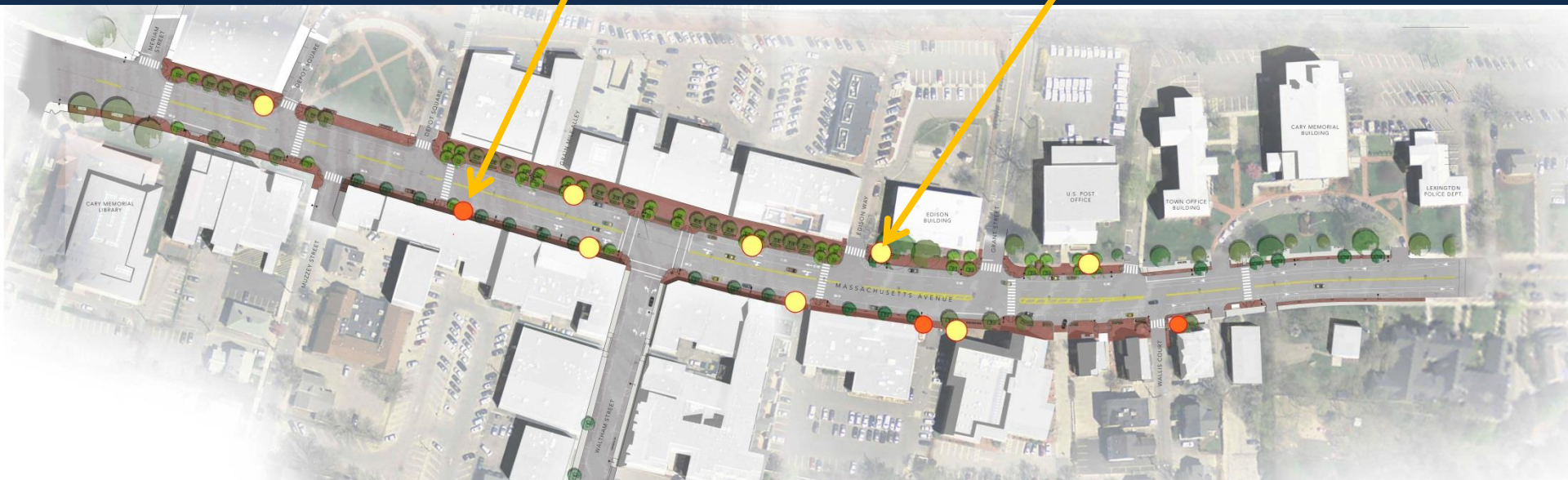


UPDATE

BICYCLE PARKING - LOCATIONS

Accommodates 1-2 bikes

Accommodates 4-8 bikes



Accommodates 45 bicycles



Center Streetscape

Public Meeting June 11, 2018

UPDATE

SIGNAGE

- Blue 'P' on Lexington oxblood shield
- Black sign posts to match new black
- Consolidate signs where possible



UPDATE

WALK THROUGH THE STREETScape PLAN



Center Streetscape

Public Meeting June 11, 2018

UPDATE

CLARKE STREET TO DEPOT SQUARE



UPDATE DEPOT SQUARE



UPDATE

DEPOT SQUARE TO WALTHAM STREET



UPDATE WALTHAM STREET INTERSECTION



UPDATE WALTHAM STREET



Center Streetscape



UPDATE

WALTHAM STREET TO EDISON WAY



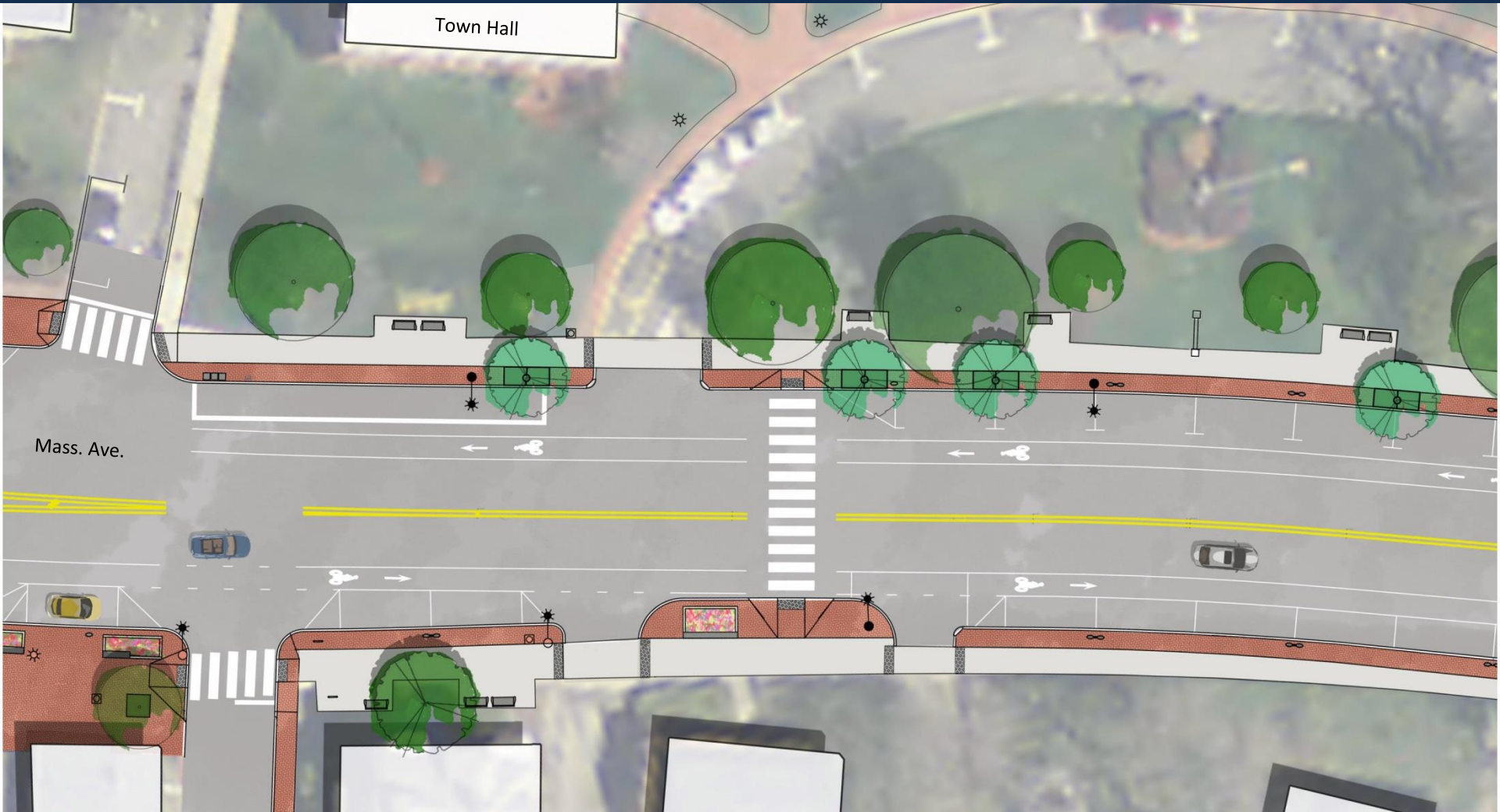
UPDATE EDISON WAY TO GRANT STREET



UPDATE POST OFFICE

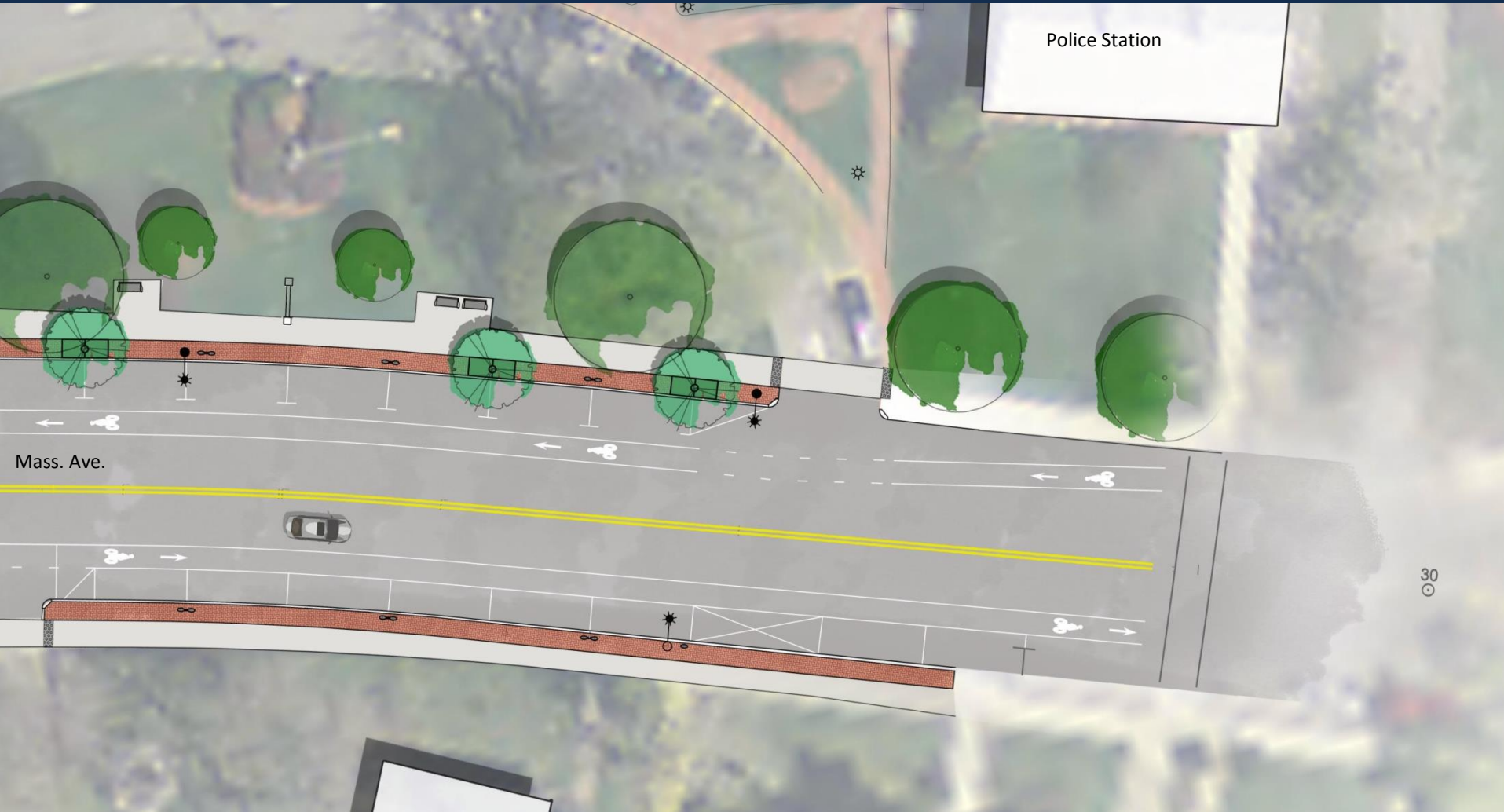


UPDATE TOWN HALL



UPDATE

CARY MEMORIAL BUILDING/POLICE STATION



UPDATE

Our new Center Streetscape!



UPDATE

CHECKLIST



Center Streetscape

CENTER STREETSCAPE SUMMARY

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Sidewalk			
<i>Material locations</i>	✓	✓	✓
<i>Installation method</i>	✓	n/a	✓
<i>Embedded historical medallions</i>	✓	X	X
Lighting	✓	✓	✓
Trees			
<i>Species</i>	✓	✓	✓
<i>Suspended pavement or tree grates</i>	✓	✓	✓
Irrigation	✓	✓	✓
Seating			
<i>Style, locations, layout</i>	✓	✓	✓
Bicycle Parking	✓	✓	✓
Buffers, edges, walls, fences, bollards			
<i>Planter type</i>	✓	✓	✓
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<i>Eliminate posts and fences</i>	✓	✓	✓
Stormwater Infiltration	✓	✓	✓
Signage			
<i>Consolidate, use black posts</i>	✓	✓	✓

UPDATE

25% Construction Cost Estimate

- Changes from previous 25% include removal of Woburn Street intersection; simplify design; remove fencing, markers, street median; all brick pavement; add soil amenities for tree health
- Updated estimate includes
 - Cost of all elements in current 25% design
 - Design contingency
 - Police Details and Construction Administration
 - Assumes one phase -- increase if phased
 - 2018 Dollars (based on recent bid pricing)
- Updated estimate will be performed when plans progress to 100%



UPDATE

25% Construction Cost Estimate

Construction Items		2018
1	General Conditions / Site Prep	\$441,396
2	Roadway	\$1,572,360
3	Sidewalk	\$2,362,238
4	Landscaping	\$1,439,461
5	Lighting	\$1,032,886
6	Site Furnishings	\$508,638
	Subtotal Construction	\$7,356,980
	Police Details (10%)	\$740,000
	Construction Administration (15%)	\$1,110,000
TOTAL PROJECT COST		\$9,206,980



UPDATE

Project Schedule

- Ad Hoc Report – January 2017
- BOS votes – early 2017
- Additional Reports on Historic Resources, Trees – Fall 2017, Winter 2018
- Updated 25% - Spring 2018
- PUBLIC MEETING – June 11, 2018
- Request funding to complete design – Fall 2018
- Request construction funding– Spring Town Meeting 2019
- First Construction Stage Spring 2020 to Fall 2021
- Second Construction Stage 2 Spring 2022 to Fall 2023



UPDATE

Preliminary Thoughts on Project Phasing

- MINIMIZE IMPACTS TO CENTER BUSINESSES!
- Minimize impacts to residents and visitors
- Organize areas of construction impact
- Good communication between Town, contractor, businesses and residents
- Full time oversight by Town's representative(s)



CENTER STREETSCAPE

- Improved Safety
- Improved Accessibility
- Renewal of the Mid-century Modern landscape



Center Streetscape

Public Meeting June 11, 2018

CENTER STREETSCAPE

Thank you! We look forward to your comments and input!



Center Streetscape

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