Stantec

Memo

To:	Public Works Department Town of Arlington	From:	Ngan Han, PLA
Project/File:	Arlington: Mass Ave / Appleton Street Safety & Accessibility Corridor Project	Date:	September 21, 2023

Reference: Mass Ave / Appleton Street Tree Removal and Proposed Planting

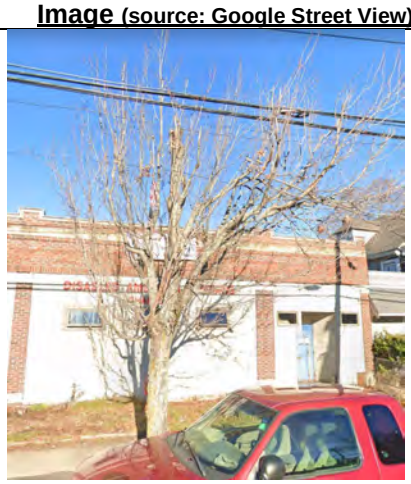
We are requesting approval for tree removals associated with work proposed as part of the Mass Ave / Appleton Street Safety & Accessibility Corridor Improvements. This hearing is being presented to the Select Board as the trees in question are part of a public construction project and Massachusetts State Law allows the Select Board to vote directly in such instances.

The proposed improvements include providing dedicated accessible pedestrian and bicycle accommodations as well as traffic signal control at two intersections along this section of the Mass Ave corridor. Providing consistent and continuous safety improvements along the project corridor requires the removal of eight (8) trees to complete with an additional (1) tree removal as part of the 1211 Mass Ave Development Project for a total of nine (9) trees / 69 inches caliper. Four (4) of those trees that need to be removed are recommended to be transplanted along the corridor. The design team gave considerable thought and consideration to the tree removals. With limited street width and demand for balancing the needs of safe, accessible pedestrian sidewalks, crossings, raised bike lanes, and street parking, the design team rigorously studied the road alignment to minimize impacts to trees as much as feasible.

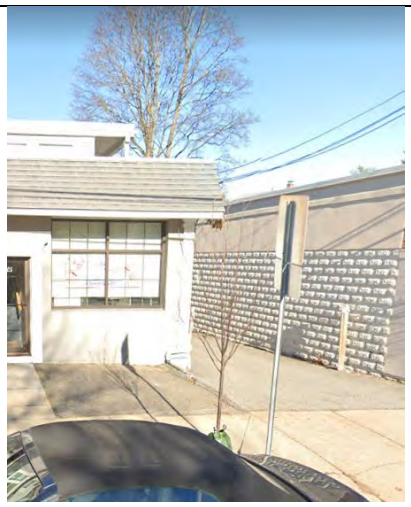
We are proposing 20 new trees totaling 70 inches in caliper to replace the removed trees. With the addition of the four (4) transplanted trees, a total of 24 new proposed and transplanted trees are proposed within the project limits. The proposed tree species are selected from an approved list provided by Arlington's Tree Warden. It will add to the diversity of trees along the corridor, create a visually more welcoming experience for the community and assist in reducing the urban heat island effect. Additionally, we are proposing the use of Silva Cells under pavement at new tree plantings to improve root growth and increase tree health and longevity.

We have included an inventory of the trees to be removed based on the final concept design as well as a site plan with proposed new tree locations.

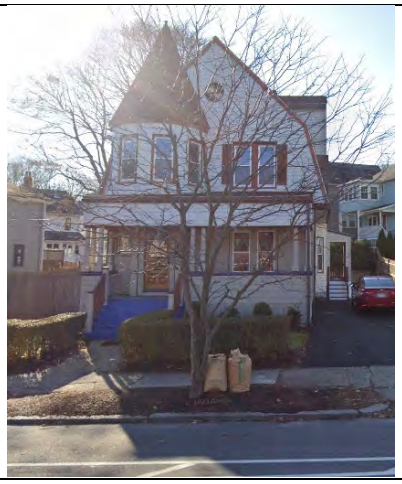
Reference: Tree Removal / Planting

Nearest Address	**Tree Size**	**Reason for removal**	**Image (source: Google Street View)**
1207 Mass Ave	13” caliper	Falls within proposed Hotel Project Driveway	
1207 Mass Ave	3” caliper	Falls within proposed bike lane at bus stop	

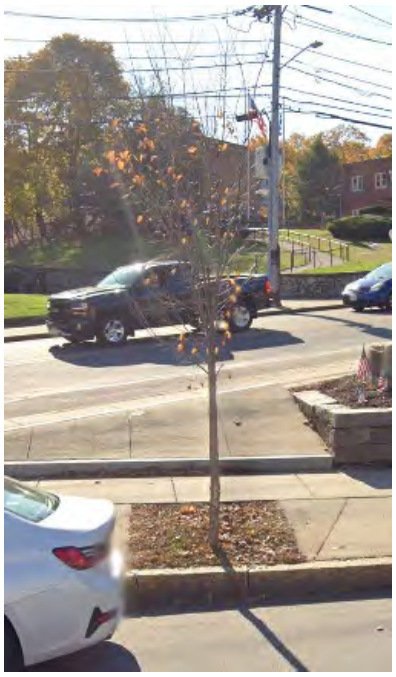
Reference: Tree Removal / Planting

1207 Mass Ave	1” caliper	Falls within proposed bike lane	
1189-1195 Mass Ave	8” caliper	Falls within proposed bike lane	

Reference: Tree Removal / Planting

1189-1195 Mass Ave	2” caliper	Falls within proposed bike lane	
1180 Mass Ave	23” caliper	Falls within proposed bike lane	
1188 Mass Ave	7” caliper	Falls within proposed bike lane	

Reference: Tree Removal / Planting

1210 Mass Ave (corner of Appleton St)	5” caliper	Falls within proposed bike lane	
1210 Mass Ave	18” caliper	Falls within proposed bike lane	

Reference: Tree Removal / Planting

Thank you for your consideration of this request.

Sincerely,

STANTEC PLANNING AND LANDSCAPE ARCHITECTURE P.C.

Ngan Han
Landscape Architect
ngan.han@stantec.com

Attachment: [Plan Titled: 2023-09-20 Mass Ave – Appleton St_PROPOSED TREE LOCATIONS]

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MASSACHUSETTS AVENUE
LOWELL STREET
LOCKE STREET
CLARK STREET
FOREST STREET
RICHARDSON AVENUE
APPLETON STREET
APPLETON PLACE
BURTON STREET
MASSACHUSETTS AVENUE
PINE COURT
QUINN ROAD
MASSACHUSETTS AVENUE
EXISTING TREES TO REMAIN
EXISTING TREES TO BE REMOVED / TRANSPLANTED
PROPOSED TREES
DRAFT
NOT FOR CONSTRUCTION
MASS AVE & APPLETON ST
ARLINGTON, MA
PREFERRED ALTERNATIVE
8/29/2023
SCALE: 1" = 20'