

March 3, 2020

To whom it may concern,

I, Kray A. Small, Massachusetts Certified Arborist, License # 1797, have been retained by Eric Moorehead, of MJ Nicholls Landscaping LLC. 77 Gridley Street, Quincy, MA to assess a tree located in the front of the St. Botolph Club on 199 Commonwealth Avenue, Boston, MA.

The aim of the assessment is to determine feasibility of protecting this tree during excavations for a new water main.

The tree is located in a small court yard, to the right of the entrance to the building on Commonwealth Avenue. The tree is shown in photo #1

**Photo #1**



The white strips on the sidewalk indicate the span of the excavation (red arrow). Pointed out is the tree directly in the path of the excavation.

The tree is a flowering cherry, either a Yoshino or Kwanzan, and is approximately 8 inches in diameter, 30 feet in height, and has a drip line of about 12 feet. The tree has been pruned properly in the past but has a girdling root at the base, at the root collar and has a cavity of decay within one of the main leaders. Eventually the girdling root will choke the canopy of both water and nutrients and the upper portion of the canopy will start to die off. Photos #2 and #3.

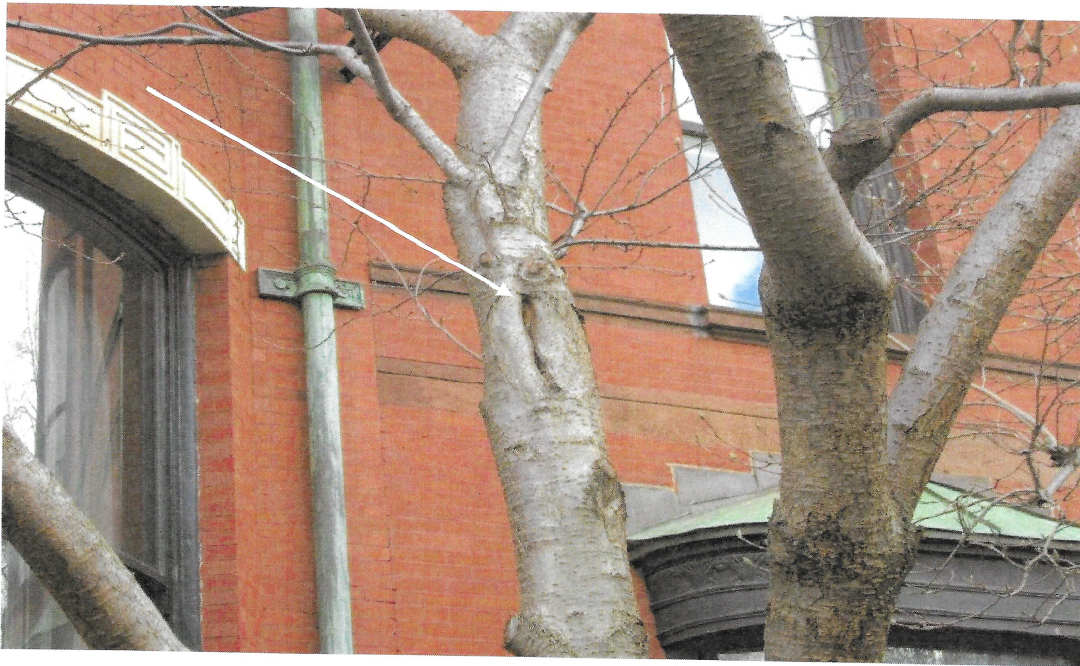


**Photo #2**



Pointed out is that girdling root. As the tree get older, the root gets larger and constricts the stem from delivering water and nutrients to the canopy.

**Photo #3**



Pointed out is a cavity of decay within one of the main leaders. This will never callus (heal over) and will always be a weak area in the tree. Eventually the decay will spread throughout the leader.

The excavation will be approximately 8' deep. The actual water line will be set at 6' and 2' of over dig to lay down a proper footing for the line itself. The trench will be supported on the sides to prevent potential cave in. With this being said, tunneling under the tree and supporting the 'roof' of the excavation and still be able to use equipment to bore through the building just isn't feasible.

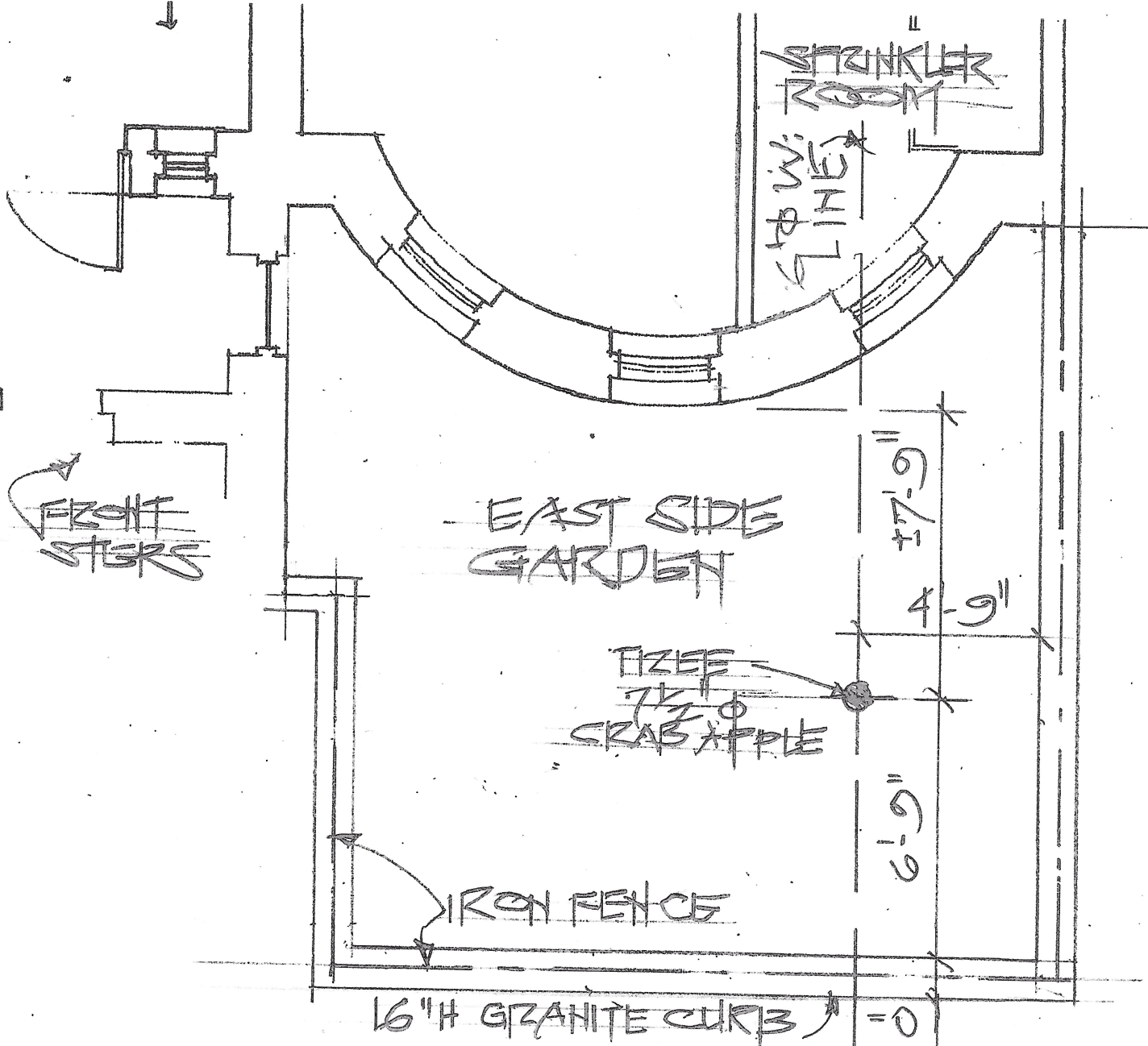
The tree is not more than 20 years of age and it is assumed that it is not a memorial. Preserving the tree by tunneling beneath and supporting the soil above will add both expense and safety issues to the project. The tree can easily be replaced, more cost effectively, than trying to preserve it.

If any questions arise, I may be reached by telephone at 508-328-4214 and by email [ksmall4214@charter.net](mailto:ksmall4214@charter.net) any other correspondence can be mailed to Kray Small P.O. Box 163, Woodville, MA 01784.

Respectively Submitted,

Kray A. Small, Massachusetts Certified Arborist #1797





FRONT STAIRS

EAST SIDE GARDEN

TREE  
7 1/2' Ø  
CRAB APPLE

IRON FENCE

16" H GRANITE CURB

7'-9"

4'-9"

6'-9"

1'-0"

15'-11"

ST. BOYSLPH CLUB  
100 COMM. AVE

SCALE 1/4" = 1'-0"

LOCATION OF  
6" Ø NEW WATER  
MAIN

COMM. AVE  
CURB

STREET

LAMP  
POST