

## **Pin Oak (*Quercuspalustris*)**

### **Initial Assessment**

This particular tree has no visible signs of rot/decay or fungi and has a good full crown. The tree appears to be in good overall health.

### **Concerns**

It is possible the iron fence could be growing into the root structure at the base of the tree which was not visible and would require digging around the base of the tree to view. The tree sits in close proximity to the building and light post and according to Bill Lachette the Facilities Director; there is a sewer line that runs under the tree. Tree roots have the potential to compromise the sanitary sewer line. Replacing the sewer line in the same location would obviously require the tree to be relocated or removed. If the tree is relocated, items of concern: Relocation may require substantial alteration of the fibrous root system. It is possible that the roots could be growing around the sewer line and electric line that leads to the light post. It is possible that a large portion of the root system would most likely have to be cut and removed resulting in added stress to the tree.

### **Recommendation**

Because there may significant unforeseen alteration to the root system as previously stated, the tree may not survive the relocation process. If the decision is made to relocate the tree it is recommend that the tree is relocated while it is in its dormant state which would be November through February. It is not recommended that the tree be relocated due to the above situations . Perhaps it would be more logical to plant a new Pin Oak to serve as a memorial tree. Although these trees are naturally found in poorly drained soils, they are able to flourish on well drained loamy soils and are intolerant of shade.



## **Red Maple (*Acer rubrum*)**

### **Initial Assessment**

This particular tree appears to be somewhat healthy with an irregular crown shape which appears to be full. The tree also has a short bole (trunk) with the majority of twigs and branches pointing upward which may indicate stress.

### **Concerns**

The tree has grown around a chain that holds the dedication plaque which could act as a conduit for pest and pathogens. The irregular crown shape and short bole could indicate that tree has undergone periods of stress over time such as drought or physical damage. According to Bill Lachette the Facilities Director; there is a sewer line that runs under the tree which may cause the same issues as stated for the Pin Oak. Another concern is that school has acted as a wind-break for the tree during its life span and may have not developed a resiliency for strong winds. If the tree were to be replanted in an open field it may be susceptible to wind damage due to the tree's irregular form and the possibly weak section of the bole that has grown around the chain.

## Recommendation

Because of the possibility of wind damage and poor form possibly due to previous stressors it is not recommended that the tree be relocated. If the tree were to be relocated it would be best to relocate the tree during its dormant state which would be November through February. It may be more logical to plant a new Red Maple tree. Red maple tend to grow well in moist soils, but can thrive in a variety of soil types and are moderately shade tolerant.



Red Maple

## **Norway Maple Trees (*Acer platanoides*)**

According to Bill Lachette the Facilities Director, these particular trees are not memorial trees. He said their removal was acceptable and therefore it is recommended that these additional trees be removed as some are already showing signs of decay and fungi.