

DATE 01.24.2022
 PROJECT Sawyer Free Library, G2 #2125
 FROM Gigi Saltonstall + Lisa Giersbach
 TOPIC Beech Tree
 IN ATTENDANCE Paul Marsan, Certified Arborist, Carpenter Costin; Simon Paddock; Jenny Benedict, Library Director; GS; LG

Meeting Minutes

Item	New Items	Responsibility																														
1.0	<p>Visual assessment. Paul observed the beech tree and considers the tree at high risk for structural failure. The main stem (trunk) of the tree could fail, probably approximately 2/3 of the way up the tree and/or other significant branches could break in a storm. Risk is determined by considering the probability of failure and the severity of the consequences of that failure (consequences are factors such as damage to people or property):</p> <table border="1"> <thead> <tr> <th></th> <th colspan="4">Consequences</th> </tr> <tr> <th>Probability</th> <th>Negligible</th> <th>Minor</th> <th>Significant</th> <th>Severe</th> </tr> </thead> <tbody> <tr> <td>Very likely</td> <td>Low</td> <td>Moderate</td> <td>High</td> <td>Extreme</td> </tr> <tr> <td>Likely</td> <td>Low</td> <td>Moderate</td> <td>High</td> <td>High</td> </tr> <tr> <td>Somewhat likely</td> <td>Low</td> <td>Low</td> <td>Moderate</td> <td>Moderate</td> </tr> <tr> <td>Unlikely</td> <td>Low</td> <td>Low</td> <td>Low</td> <td>Low</td> </tr> </tbody> </table>		Consequences				Probability	Negligible	Minor	Significant	Severe	Very likely	Low	Moderate	High	Extreme	Likely	Low	Moderate	High	High	Somewhat likely	Low	Low	Moderate	Moderate	Unlikely	Low	Low	Low	Low	
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1.1	Paul pointed to both Nectria and Decay Fungi visible on the trunk of the tree. These can not be eliminated and will continue to cause deterioration of the tree over time.																															
2.0	Possible construction impacts. Although the majority of the active roots of the tree are to the north and east of the stem, compaction and any disturbance to the root zone will cause more stress for the tree. Construction to the south and west of the tree could at best maintain the tree in its current condition (already at high risk for structural failure).																															
3.0	Mitigation. The crown of the tree could be reduced in size to attempt to mitigate wind problems. A few significant lateral branches on the west side would need to be removed for construction access.																															
3.1	The approximate cost of pruning the tree is \$3,500. The approximate cost for removing the tree is \$6,000.																															
4.0	Replacement tree. Paul suggested that this site could accept a new beech tree. A 6-8" caliper tree (approximate height of 18-25') would cost \$6,000-\$10,000 (includes purchase and installation).																															

