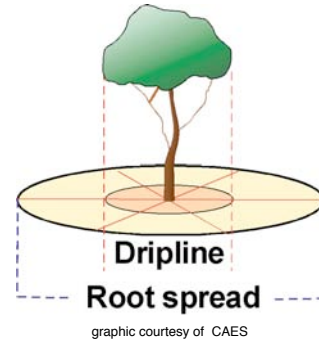
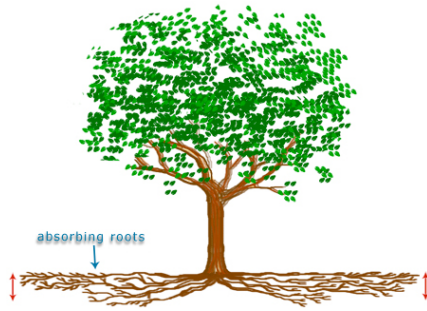


TREE INJURY

TREE INJURY DURING CONSTRUCTION



90% of the fine, absorbing roots critical to the tree's survival are in the upper 6 to 12 inches of soil and extend much farther than the dripline.

HOW IS YOUR TREE INJURED DURING CONSTRUCTION?

First, the roots are injured and the site microclimate is altered by clearing and shutting off water sources. More changes occur during grading and trenching to install utilities. Any heavy equipment used or building materials piled against the trees compact the soil around the tree. Materials and equipment against the trunk cause physical damage, and resulting wounds are susceptible to pathogens entering the tree and causing decay. New construction itself causes another series of harm to the root zone or branch canopy. Finally, finish grading, hardscaping, and landscaping may encroach into the root area and alter a tree's microsite environment. These cumulative injuries will cause the decline or death of a tree and sometimes will not be evident for many years after project completion.



Heavy equipment compacting soil and depleting oxygen to the tree

Roots severed by installation of retaining wall and home foundation

Foot traffic to and from restroom compacts soil

Building materials compacting the soil and causing physical damage to the trunk

No irrigation available for this tree

for more information visit gardenmagiccompany.com



handout courtesy of The Manhattan Canopy Tree Committee
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