A Visual Guide to Tree Root Disturbance





One sided cuts at the ISA Critical Root Zone (12x diameter, which is usually near the drip line) is almost guaranteed survival. Cutting all the way around at CRZ may be too much for older trees.



expected fully grown size. All trees less than 30' tall or wide should be planted 2' away, then add 4' for every 10' width over 30' or 2' for 10' height over 30'

Figure 2. Plan-view diagram of the horizontal woody root system developed from a single lateral root of a red maple about 60 years old. Solid circles show the location of other trees in the stand. Arrows indicate that the root tips were not found; therefore these roots continued somewhat farther than is shown. From Lyford and Wilson, 1964.