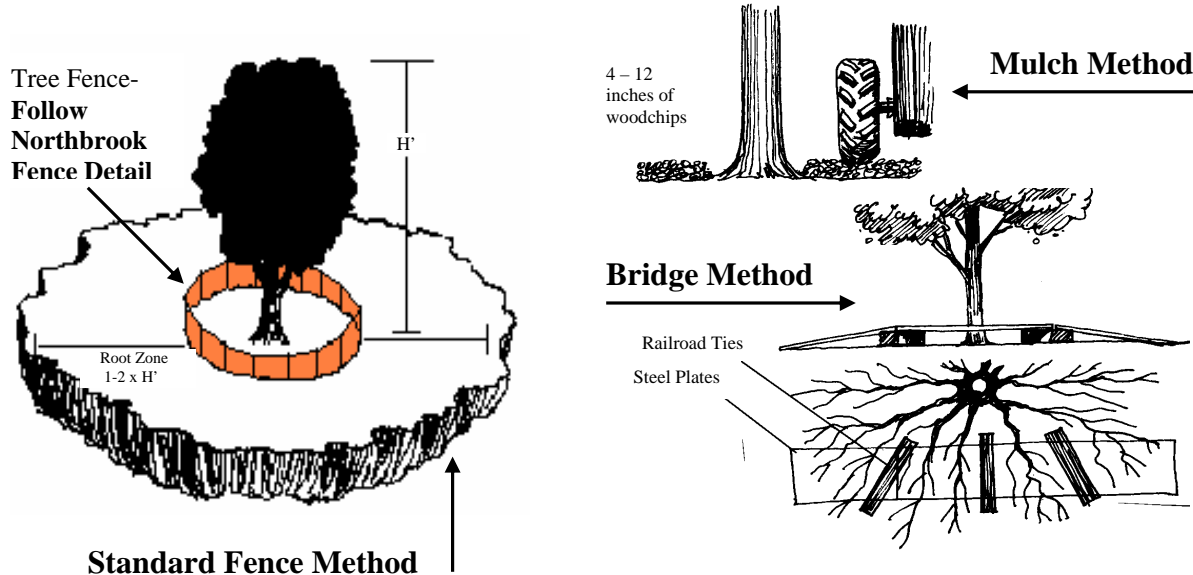


Tree Preservation Guidelines for Contractors

While working around any trees on your job site, it is *critical and mandatory* that you follow these guidelines to prevent construction damage to the trees.

Tree Protection Measures



Tree protection fencing is a requirement for you to receive your building permit. You are notified of the requirements when the application for permit is filed. Follow the fence detail noted on the permit. Keep in mind the diagrams above. Fencing around the dripline is the minimum requirement. The farther away from the dripline you are, the better chance the tree has to survive. **If you must fence within the dripline, you must also take other protective measures. Some which may include putting down a layer of mulch at least 4" to 12" deep.** The mulch method is the preferred method. You may also use the bridge method illustrated above.

TRENCHING AND TUNNELING FOR UTILITIES

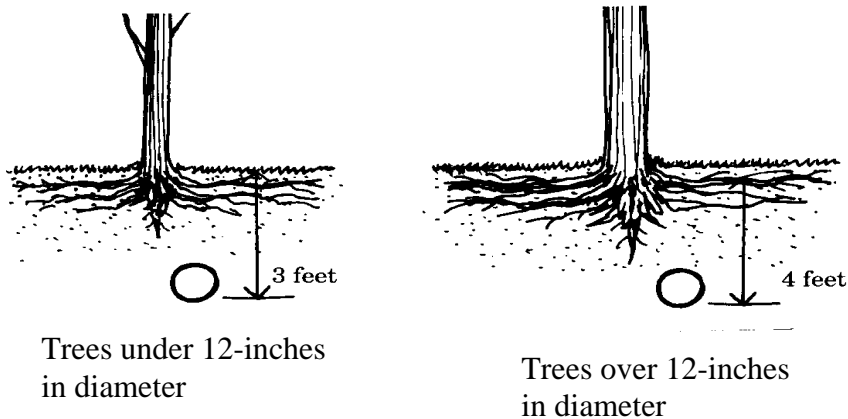
You will be notified about our requirements for trenching and tunneling through the tree(s)' root system by our Plumbing Inspector and our Tree Preservation Officer before your final permit is issued. Here are some *trenching guidelines* you need to follow:

- (1) When any roots are cut or torn during construction, it is **critical** that you **sharply cut all the ends of any exposed roots immediately**. Failure to do so will leave crushed and torn roots which can lead to decay and little or no root regeneration
- (2) Pile soil on the side of the trench opposite the tree. If this is not possible, place the soil on a plastic tarp, plywood or a thick bed of mulch.
- (3) Do not compact the backfill on the trench more than its original firmness.
- (4) Water the backfill to allow the roots to begin regrowing.

Trenching near a tree will kill many of its roots. Boring or augering for the utilities may be required in some cases where you are working within the dripline. A boring or augering tunnel should be a minimum depth of three feet (3') for trees under 12-inches in diameter. For larger trees with diameters over 12-inches, the preferred depth is a minimum of four feet (4'). **See the augering diagram on the opposite page.**

Turn page over for more information...

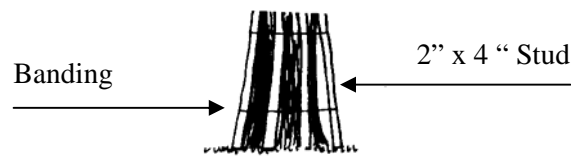
Auguring Diagram



Work pits for tunnels are sometimes 5' to 8' wide and can also damage many roots. To the degree practical, try to minimize the size of work pits or push the location further away from root zones. Include the same procedures for root pruning in the work pits as for the trenches.

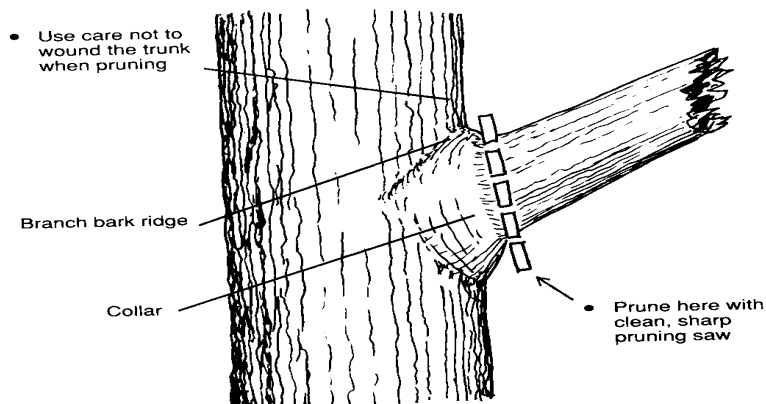
Trunk Protection

If the tree you are working around is in a confined space and your equipment will be coming close to it, it is important for you to protect the trunk. To prevent scraping or gouging the bark on the trunk or lower limbs with heavy equipment wrap the tree trunk in old tires or place 2"x 4" studs around the tree and rope or band them together.



Pruning

Prune any broken branches at the end of each work day. When in doubt, call a professional tree service, arborist, or forester to work with you on the proper pruning required for that tree.



For more information, contact Terry Cichocki, Tree Preservation Officer, Northbrook Public Works, 655 Huehl Road, Northbrook, IL 60062, Phone: 847/272-4711 ext. 203. E-mail: cichocki@northbrook.il.us