

APPENDIX A

TREE WELL ILLUSTRATION *(Amended Ord. 2018-20)*



Source: National Institute of Home Building

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TABLE 1. CALIPER TO HEIGHT RATIOS FOR DECIDUOUS TREES

| CALIPER IN INCHES | STANDARD SHADE TREES | SLOW GROWING TREES | | SMALL UPRIGHT |
|----------------------|-------------------------|---------------------------|---------------------------|------------------|
| | AVERAGE RANGE | MAXIMUM HEIGHT IN FEET | MINIMUM HEIGHT IN FEET | AVERAGE RANGE |
| 5/16 | | | | 2 TO 3 |
| 7/16 | | | | 3 TO 4 |
| 9/16 | | | | 4 TO 5 |
| 11/16 | | | | 5 TO 6 |
| 7/8 | | | | 6 TO 8 |
| 1/2 to 3/4 | 5 to 6 | 8 | 3.5 | |
| 3/4 to 1 | 6 to 8 | 10 | 4 | |
| 1 to 1 ¼ | 8 to 10 | 11 | 5.5 | |
| 1 ¼ to 1 ½ | 8 to 10 | 12 | 5.5 | |
| 1 ½ to 1 ¾ | 10 to 12 | 14 | 6.5 | |
| 1 ¾ to 2 | 10 to 12 | 14 | 6.5 | |
| 2 to 2 ½ | 12 to 14 | 16 | 8 | |
| 2 ½ to 3 | 12 to 14 | 16 | 8 | |
| 3 to 3 ½ | 14 to 16 | 18 | 9.5 | |
| 3 ½ to 4 | 14 to 16 | 18 | 9.5 | |
| 4 to 5 | 16 to 18 | 22 | 10.5 | |
| 5 to 6 | 18 and up | 26 | 12 | |

TABLE 2. HEIGHT TO SPREAD RATIOS FOR CONIFEROUS NURSERY TREES

| HEIGHT IN INCHES | SPREAD RANGE IN INCHES |
|------------------|------------------------|
| 12 to 15 | 8 to 12 |
| 15 to 18 | 9 to 15 |
| 18 to 24 | 12 to 18 |
| 24 to 30 | 15 to 21 |
| 30 to 36 | 18 to 24 |
| 36 to 48 | 21 to 30 |
| 48 to 60 | 30 to 36 |
| 60 to 72 | 36 to 48 |

Generally, the Height: Spread ratio should be no less than 2:1

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TABLE 3. TREE REMOVAL GUIDE *(Amended Ord. 23-24)*

| | Rural Overlay Zone | | | | Urban Overlay Zone | | | |
|---|---------------------------|--------------------------|--------------------------|--------------------------------|----------------------------|--------------------------------|----------------------------|--------------------------------|
| | Occupied Single Family | Unoccupied Single Family | Non-Single Family | Infrastructure for Subdivision | Occupied Single Family | Unoccupied Single Family | Non-Single Family | Infrastructure for Subdivision |
| Grand Tree 24” & up | Exempt (1302.1) | With Conditions (1302.2) | With Conditions (1302.2) | Prohibited | With Conditions (1303.4.1) | With Conditions (1301, 1302.2) | Prohibited | Prohibited |
| <u>Protected Tree 10” & up</u> | Exempt (1302.1) | With Conditions (1302.2) | With Conditions (1302.2) | With Conditions (1301.7) | With Conditions (1303.4.1) | With Conditions (1301, 1302.2) | With Conditions (1303.4.1) | With Conditions (1301.7) |

Figure 1. Typical Critical Root Zone

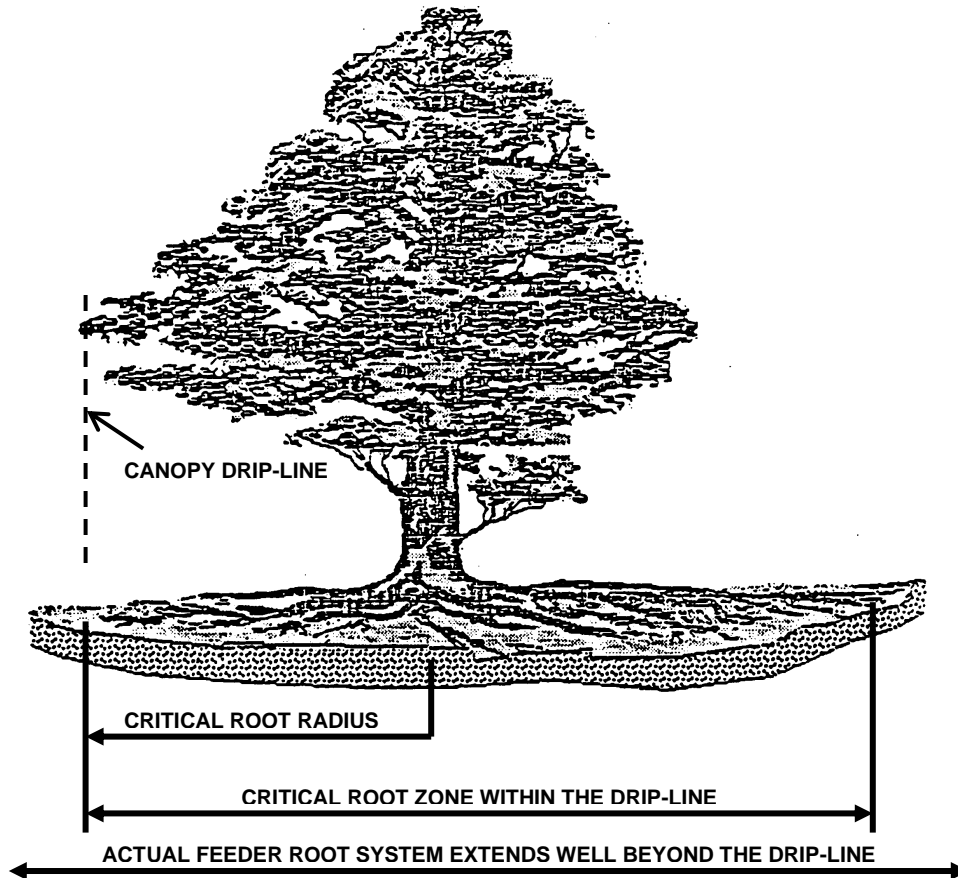
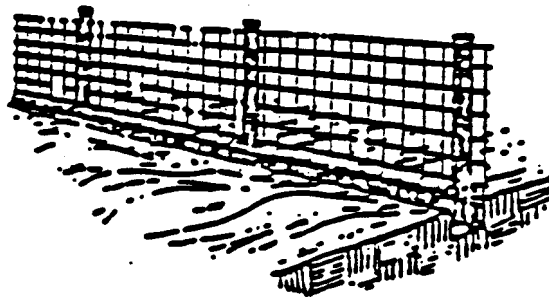


Figure 2.
Protective
Detail



Active
Tree Fencing

Figure 3.
Tree



Alternative Protective
Fencing Detail
4" HIGH, ORANGE
POLYETHYLENE LAMINAR
SAFETY NETTING

Figure 4. Root Loss From Trenching vs. Tunneling

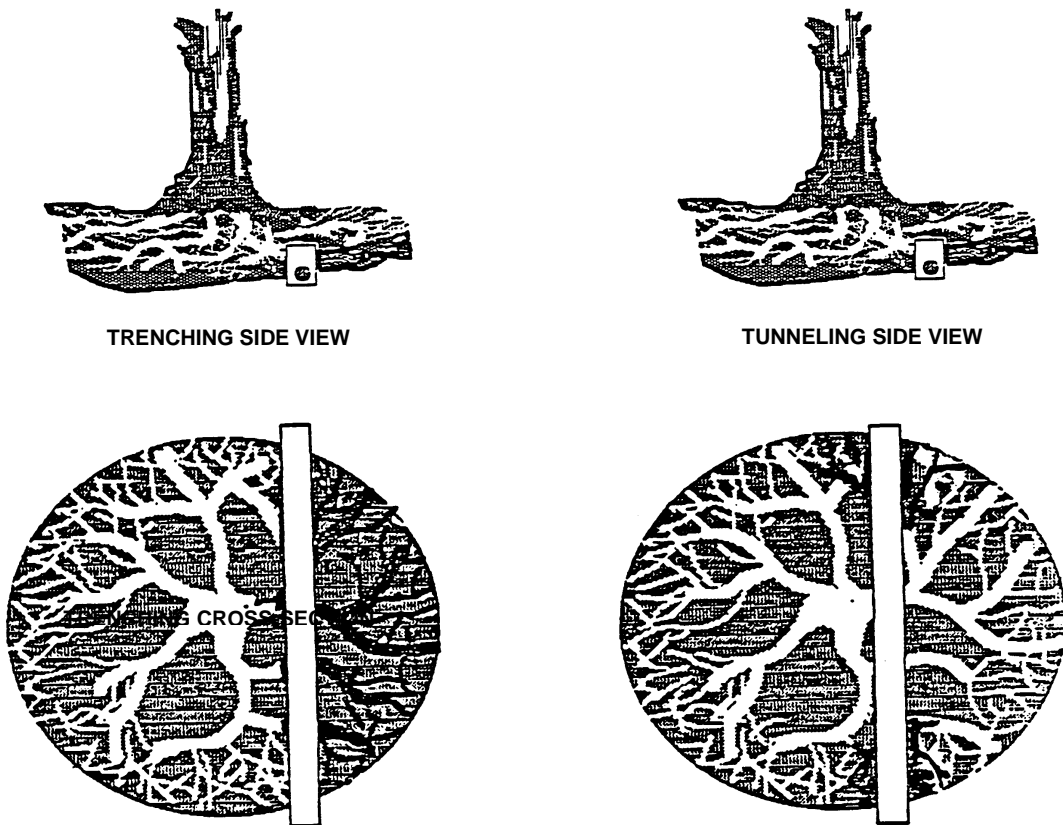
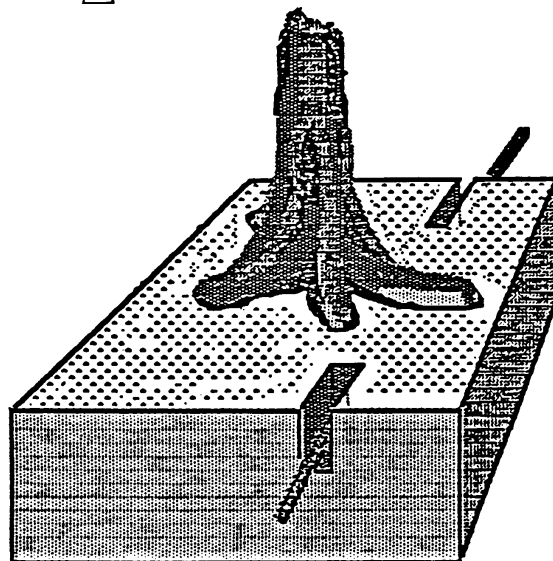


Figure 5. Underground



Tunneling for Utilities

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