

ROOT PRUNING AND STRUCTURAL ROOT ZONE FORMULA

1

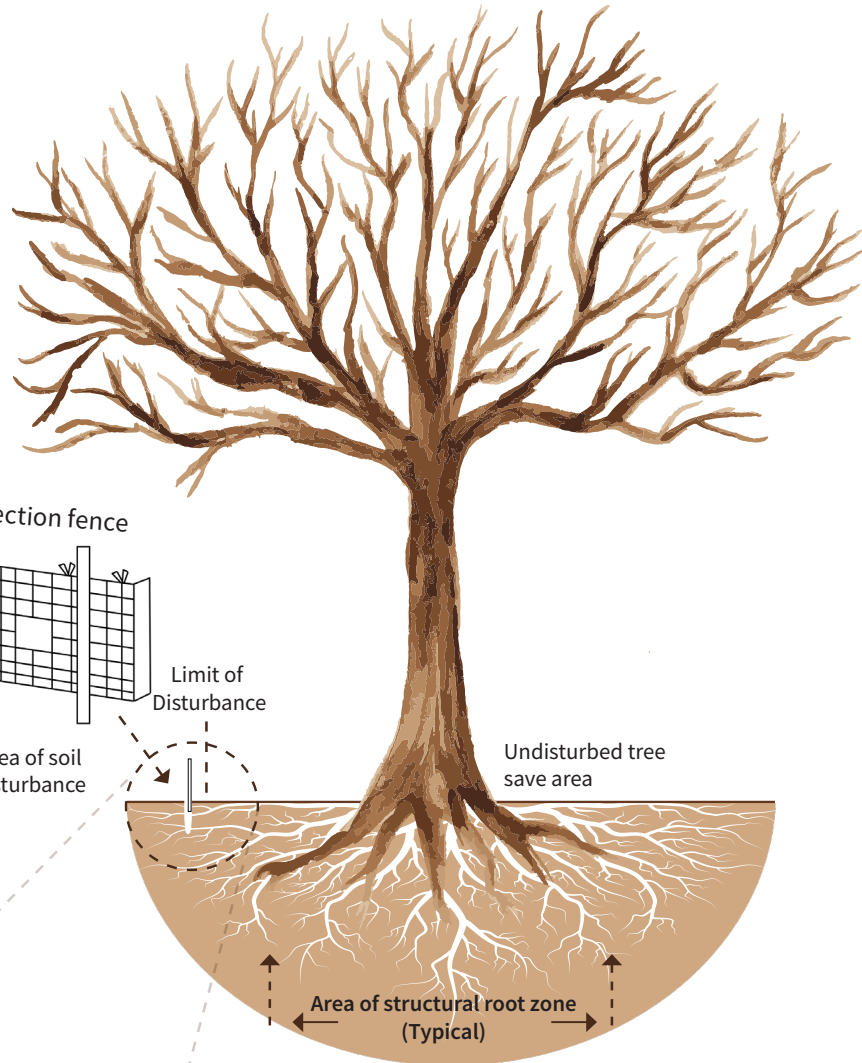
Backfill the root-pruning trench with excavated soil and mulch the trench line with 2 to 4 inches of shredded wood mulch. Trench may not remain open longer than 24 hours without watering. Except where erosion and sediment control devices are already provided, tree protection fence shall be installed along the limits of disturbance where this borders a tree save area. Root pruning shall be executed by a Maryland Licensed Tree Expert using a vibratory plow, air spade, or other approved equipment. Photo documentation of the root pruning must be sent to the Forest Conservation Inspector.

2

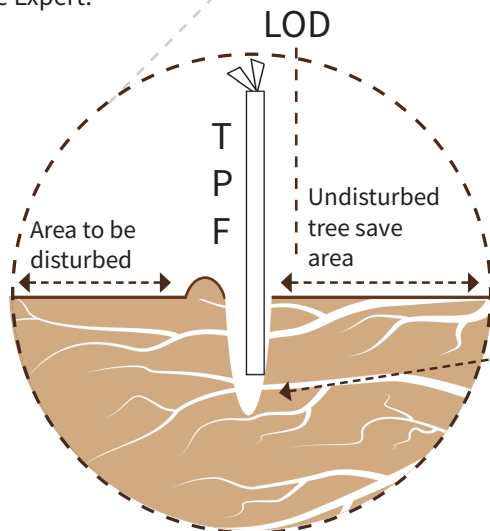
Root Pruning trench shall be excavated within 12 inches of the limit of disturbance and entirely within the area to be disturbed. Exact location of root pruning trench to be determined in the field during preconstruction meeting with Forest Conservation Inspector and MD LTE.

3

Mechanical root pruning is not allowed within the structural root zone. However, supersonic air or hydroexcavation tools may be used in these areas only if approved by the Forest Conservation Inspector and implemented by a Maryland Licensed Tree Expert.



Structural Root Zone Formula:
 $0.5 \times \text{Diameter of tree in inches}$
 $= \text{Radius of Structural Root Zone in feet}$



Root pruning shall be to the depth of excavation, or 24 inches, whichever is less.