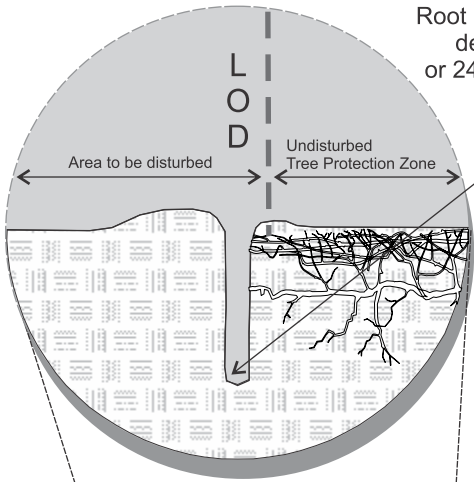
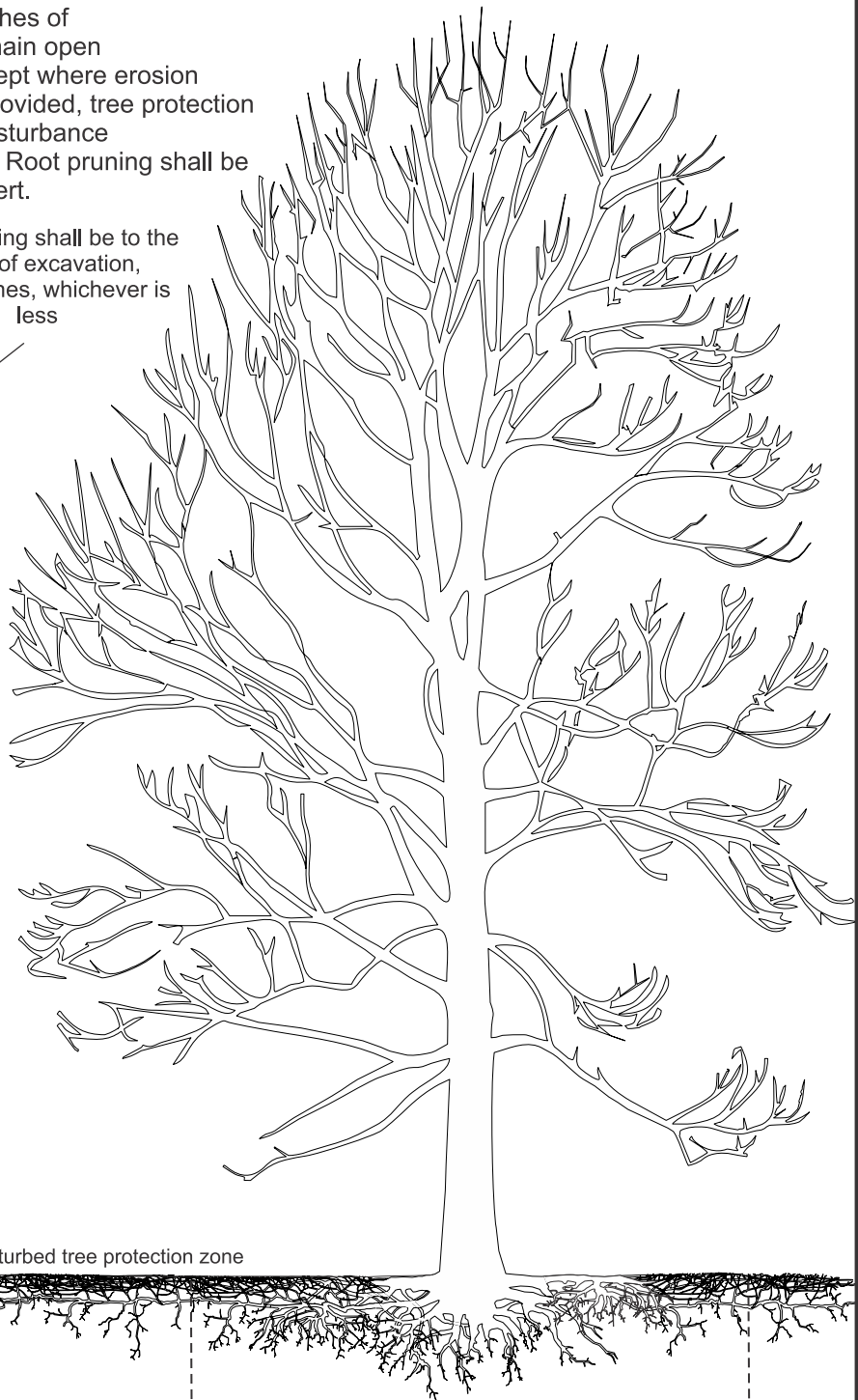


Backfill the root-pruning trench with excavated soil and mulch the trench line with 2 to 4 inches of shredded wood mulch. Trench may not remain open longer than 24 hours without watering. Except where erosion and sediment control devices are already provided, tree protection fence shall be installed along the limits of disturbance where this intersects a tree protection zone. Root pruning shall be executed by a Maryland Licensed Tree Expert.



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



Root pruning trench shall be excavated within 12 inches of the limit of disturbance and entirely within the area to be disturbed.

Limit of Disturbance

Undisturbed tree protection zone

Area of soil disturbance

Mechanical root pruning is not allowed within the structural root zone without prior approval from the Department of Permitting Services. However, supersonic air or hydroexcavation tools may be used in these areas without prior permission if these activities are implemented by a Maryland Licensed Tree Expert.

Area of structural root zone (Typical)

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



MONTGOMERY COUNTY  
 DEPARTMENT OF PERMITTING  
 SERVICES

ROOT PRUNING  
 AND  
 STRUCTURAL ROOT  
 ZONE FORMULA

DATE: 5/16

SCALE: NONE