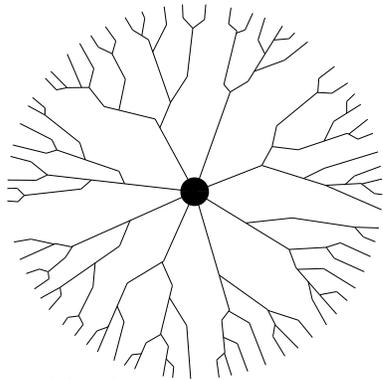


**NOTES:**

1. THE CRITICAL ROOT ZONE (CRZ) IS DEFINED AS 1.25 FEET PER INCH AT DBH FROM TRUNK OF TREE.
2. TRENCHING SHALL OCCUR OUTSIDE THE CRZ
  - 2.1. TUNNELING AND BORING IS PERMITTED AS LONG AS IT IS 30 INCHES DEEP OR GREATER. EXCAVATION AND HAND HOLES SHALL BE OUTSIDE THE CRZ.
  - 2.2. ENCROACHMENT INTO THE CRZ REQUIRES APPROVAL FROM THE URBAN FORESTER
3. ROOTS MUST BE PRUNED TO A CLEAN CUT. CUTTING OR PRUNING OF ROOTS 2" OR LARGER IS PROHIBITED.
4. IF EXCAVATION CAUSES PRUNED ROOTS OVER 1.5" IN DIAMETER TO REMAIN EXPOSED FOR MORE THAN 24 HOURS, ROOTS ON TREE SIDE MUST BE KEPT MOIST.
5. A TREE IMPACT PERMIT IS REQUIRED PRIOR TO INITIATION OF CONSTRUCTION IF ANY TREES ON CITY PROPERTY ARE TO BE IMPACTED BY PRUNING, TRENCHING, BORING, REMOVAL, PAVING, PLANTING, ETC.

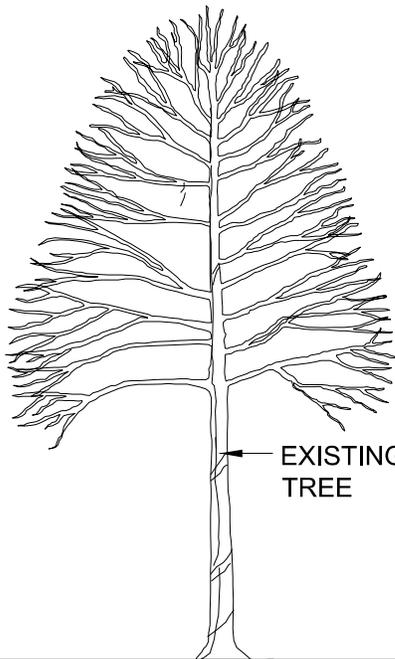
TRENCHING IS PERMITTED OUTSIDE OF THE CRZ



**PLAN**

CRITICAL ROOT ZONE

CRITICAL ROOT ZONE

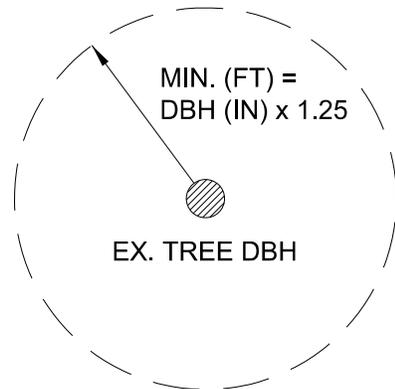


EXISTING TREE

30" MINIMUM

TUNNELING/BORING PERMITTED

**SECTION**



$$\text{MIN. (FT)} = \text{DBH (IN)} \times 1.25$$

EX. TREE DBH

**CRITICAL ROOT ZONE**

CONTACT INFORMATION:  
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 FORESTER: TREES@RALEIGHNC.GOV  
 WWW.RALEIGHNC.GOV

CITY OF RALEIGH		
PARKS, RECREATION AND CULTURAL RESOURCES DEPT		
REVISIONS	DATE: 9/1/13	NOT TO SCALE
	TRENCHING/TUNNELING NEAR EXISTING TREES	
	<b>PRCR-04</b>	