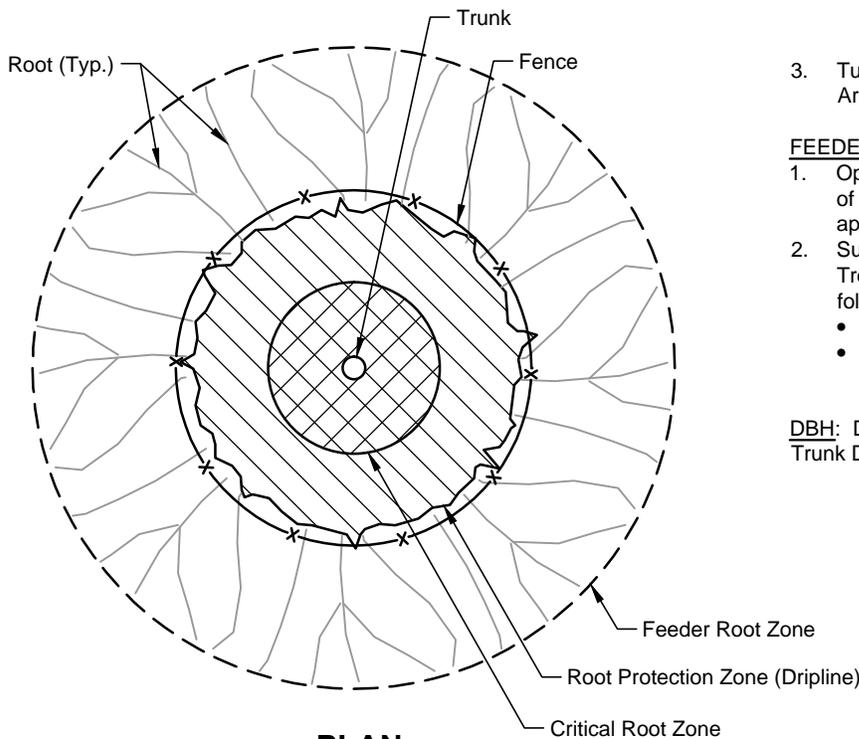


Critical Root Zone
(Radius = 3 times trunk diameter
measured at breast height or
10-ft, which ever is greater)

ELEVATION



PLAN

FENCING/ROOT PROTECTION
Orange Safety Fencing (Min. height 4-ft)
To Be Provided & Maintained At Dripline.

CITY ARBORIST

Approval required for use/access within Root Protection Zone / Dripline. Permission for use/access requires surface protection for all unfenced, unpaved surfaces within Root Protection Zone / Dripline.

SURFACE PROTECTION MEASURES

1. Mulch Layer, 8-inch Depth (Min.)
2. 3/4" Plywood over 2 - 3 inches of Mulch
3. Steel Plates - Bridging

TRENCHING / EXCAVATION:

CRITICAL ROOT ZONE (CRZ)

1. No disturbance allowed in this zone.
2. Severance of roots larger than 2-inch dia. requires City Arborist approval.
3. Tunneling required to install lines.
4. **The CRZ may be outside the Dripline**

ROOT PROTECTION ZONE / DRIPLINE (RPZ)

1. Operation of heavy equipment and/or stockpiling of materials prohibited.
2. Surface protection measures required trenching allowed as follows:
 - Excavation by hand or with hand-driven trencher may be required.
 - Limit Trench width. Do not disturb Critical Root Zone. Maintain 3/4 or more of Root Protection Zone / Dripline in undisturbed condition.
3. Tunneling may be required per review by the City Arborist.

FEEDER ROOT ZONE (FRZ)

1. Operation of heavy equipment and/or stockpiling of materials subject to landscape architect's approval.
2. Surface protection measures may be required. Trenching with heavy equipment allowed as follows:
 - Minimize trench width
 - Maintain 2/3 or more of Feeder Root Zone in undisturbed condition

DBH: Diameter at Breast Height.
Trunk Diameter Measured at 4.5 feet Above Grade

File Name: w:\tools and utilities\drafting standards\cma std details\2910-x tree protection details.dwg

FILE NO.:
DATE: NOV. 2013
REVISION NO.:
REVISION DATE:

CITY OF CEDAR RAPIDS PUBLIC WORKS DEPARTMENT STANDARD DETAIL (MANDATORY FOR CITY PROJECTS - RECOMMENDED FOR ALL OTHER PROJECTS)	
TREE PROTECTION DURING CONSTRUCTION DETAIL	
NO. 2910-022	