

1. Utility Projects that do not go through the Office of the City Forester (OCF) review process or do not receive OCF approval; OCF reserves the right to plant in the PRW and cannot be held liable for any damage that occurs to utility within PRW where utility is not placed at a minimum depth of 36 inches.
2. OCF reserves the right to declare unencumbered space in the PRW for future and replacement PRW trees. Should these areas be violated by any utility, the utility owner shall (re)move utility at owner's expense.
3. The contractor shall not cut, prune, plant, remove, inject or spray trees or other landscaping elements within ROW, unless such work is otherwise specified on the approved plans or receives prior written authorization from the OCF.
4. Any disturbed landscaping will be replaced to equal or better condition than that which existed prior to work.
5. Seeding, sodding, and planting shall be as specified or otherwise approved by the City. Construction, maintenance, and watering requirements shall conform to the City standard specifications. Where landscape restoration must be delayed due to seasonal requirements, a separate permit may authorize such work.
6. The City requires compliance with the following when work is necessary and/or required adjacent to trees in the PRW or other public spaces:
 - a) Tree Protection Zone (TPZ) is the area equal to 1.5 feet per 1-inch diameter tree measured at 4.5 feet above grade or the dripline of the tree, whichever is greater.
 - i. TPZ fencing shall be established prior to work commencing, see Tree Protection Detail available on website
 - ii. All work within TPZ must be authorized in writing by OCF, including but not limited to:
 - a. Entrance and/or access
 - b. Moving, resizing, removing, or altering in any manner
 - c. Storage of soils/materials/debris/equipment
 - d. Changes in grade
 - iii. All pit locations must be staked and approved prior to an excavation.
 - iv. Excavation; including but not limited to trenching, potholing, bore pits, and handhole installation; shall not occur within the TPZ without prior written authorization from OCF and verifying location of existing roots that may be impacted by excavation:
 - a. Approved root discovery methods include: hand work, pneumatic excavation, ground penetrating radar, or other OCF approved method.
 - b. Adjust the route to avoid roots as much as possible.
 - c. Roots 2 inches in diameter and larger shall not be cut, pruned, severed, or damaged. If conflict arises, contractor must contact OCF prior to continuance of work.
 - i. Roots of any size shall be pruned prior to exaction to minimize damage from ripping or tearing

- d. Minimize the work pit to no wider than the trench.
 - e. Store soil opposite the tree side of the trench.
 - f. Backfill quickly and cleanly, and water roots deeply.
 - g. Exposed roots must be kept moist at all times. Cover exposed roots with burlap or other material that will hold moisture against exposed roots.
 - v. Tunneling/directional boring must be at least 36 inches below grade, 48 inches preferred.
 - a. Final depth of installed utility must be at a minimum of 36 inches below final grade. Due to the inability to consistently maintain accurate boring depths, it is strongly recommended to target a depth of 48 inches to ensure no violation of the 36-inch minimum depth occurs. The City may order the lowering of installed utilities when they are discovered not to be deeper than the 36-inch minimum.
 - b) The Critical Root Zone (CRZ) is the area within the TPZ and equal to 1 linear foot radius per 1-inch diameter of tree trunk measured at 4.5 feet above the ground.
 - i. No root disturbance shall occur within this area.
 - a. If not possible, contractor must meet with OCF personnel on site.
 - i. When work occurs within CRZ, excavation must be performed with hand-tools, pneumatic excavation or other OCF approved method.
 - c) The Structural Root Zone (SRZ) is the area within the TPZ and equal to 0.9 times per inch diameter of the tree measured at 4.5 feet above the ground (0.9*x).
 - i. No activity shall occur within this zone with the exception of directional boring at a minimum depth of 36 inches below grade, 48 inches preferred.
 - a. Final depth of installed utility must be at a minimum of 36 inches below final grade. Due to the inability to consistently maintain accurate boring depths, it is strongly recommended to target a depth of 48 inches to ensure no violation of the 36-inch minimum depth occurs. The City may order the lowering of installed utilities when they are discovered not to be deeper than the 36-inch minimum.
7. Should any tree damage occur, contractor shall contact the OCF immediately
- a) OCF shall issue an order directing the responsible party to prune, remove, or otherwise take such action as is necessary to repair said damage
 - b) If damage is beyond repair, the responsible party shall compensate the City for the lost monetary value of the tree and may include replacement
8. The City & County of Denver Tree Retention and Protection Specifications must be followed. For a copy of the Tree Protection Specifications please contact the Office of the City Forester at (720) 913-0651 or email at Forestry@denvergov.org