

James River Water Project

Specimen Tree Care & Protection Plan:

Area surrounding individual specimen trees or groups of specimen trees to be protected during construction with orange tree protection fence, and defined by the drip line of individual trees or the perimeter drip line of groups of trees, unless otherwise indicated. No material shall be stockpiled for an extended period of time within tree protection zones.

Excavation Near Specimen Trees:

- A. Where utility trenches are required within protection zones, avoid cutting main lateral specimen tree roots or taproots when possible. Cut smaller roots that interfere with installation of utilities. Cut roots as required for root pruning.
- B. Redirect roots in backfill areas where possible. If encountering large, main lateral roots, expose roots beyond excavation limits as required to bend and redirect them without breaking. If encountered immediately adjacent to location of new construction and redirection is not practical, cut roots approximately 3 inches back from new construction and as required for root pruning.
- C. Do not allow exposed roots to dry out before placing permanent backfill. Water and maintain in a moist condition. Temporarily support and protect roots from damage until they are permanently relocated and covered with soil.

Root Pruning:

- A. Prune roots of specimen trees that are affected by temporary and permanent construction. Roots damaged during excavation will be exposed and cut/pruned per the requirements defined in this section. Cut roots of concern manually by cleanly cutting exposed roots with sharp pruning instruments; do not break, tear, chop, or slant the cuts.
- B. Coat cut ends of roots more than 1-1/2 inches in diameter with an emulsified asphalt or other coating formulated for use on damaged plant tissues and that is acceptable to arborist.
- C. Temporarily support and protect roots from damage until they are permanently redirected and covered with soil.
- D. Cover exposed roots with burlap and water regularly when prolonged exposure is anticipated.

Crown Pruning:

- A. Prune branches that are affected by temporary and permanent construction.
- B. Cut branches with sharp pruning instruments; do not break or chop.
- C. Do not apply pruning paint to wounds.
- D. Chip or remove branches.