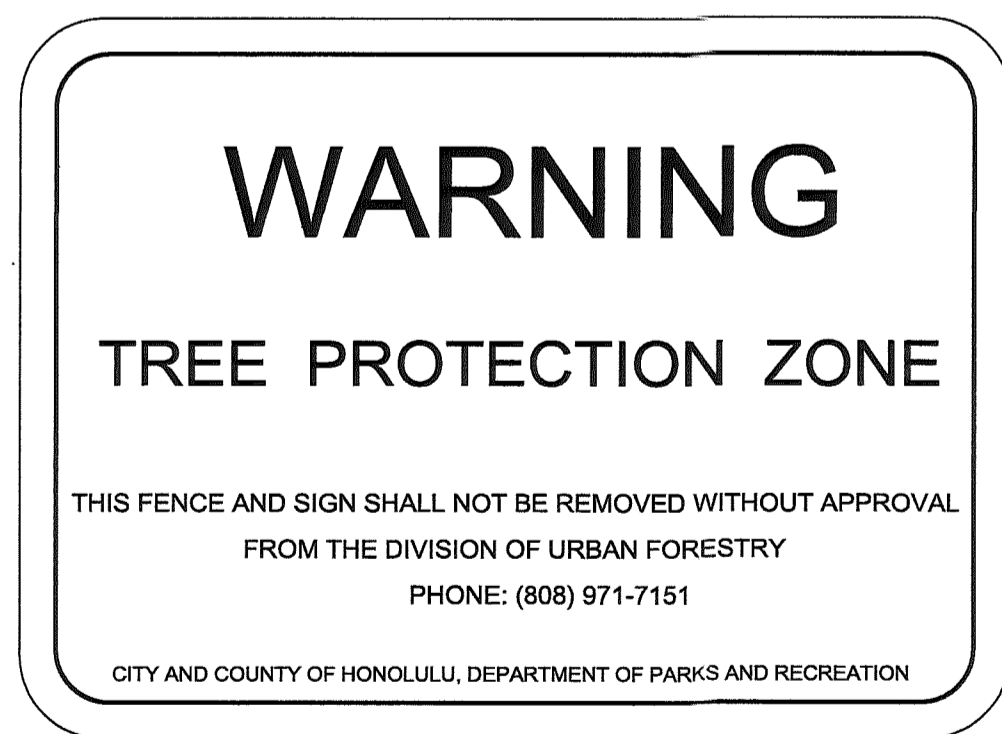


TREE PROTECTION ZONE FENCE NOTES:

- FOR TREES THAT ARE IN NARROW PLANTING STRIPS, THE ENTIRE PLANTING STRIP SHALL BE ENCLOSED.
- FOR TREE WELLS AND SMALL PLANTER AREAS THAT ARE FULL OF ROOTS, USE PLASTIC TRAFFIC BARRICADES (WATER FILLABLE) MINIMUM (3) EACH, OR TYPE 1 OR TYPE 2 BARRICADES, MINIMUM (4) EACH OR AS DETERMINED BY DUF.
- TREE WILL REQUIRE SUPPLEMENTAL WATERING.
- IF THE FENCE IS INSIDE THE DRIP LINE, PLYWOOD BOARDS OR STEEL PLATES OR HEAVY DUTY GROUND PROTECTION MATS OVER AN 8" MULCH LAYER WILL BE REQUIRED TO PROTECT THE TREE ROOTS AND CONSTRUCTION EQUIPMENT VEHICLES.
- 2" GALVANIZED IRON POSTS, DRIVEN INTO THE GROUND TO MIN. 24" DEPTH, AT NO MORE THAN 10' SPACING.
- THE GENERAL CONTRACTOR SHALL SCHEDULE AN ON SITE MEETING WITH THE DIVISION OF URBAN FORESTRY AT (808) 971-7151. DISCUSS THE INSTALLATION AND LAYOUT OF THE TREE PROTECTION FENCING.
- AVOID DAMAGING ROOTS DURING FENCE POST INSTALLATION.

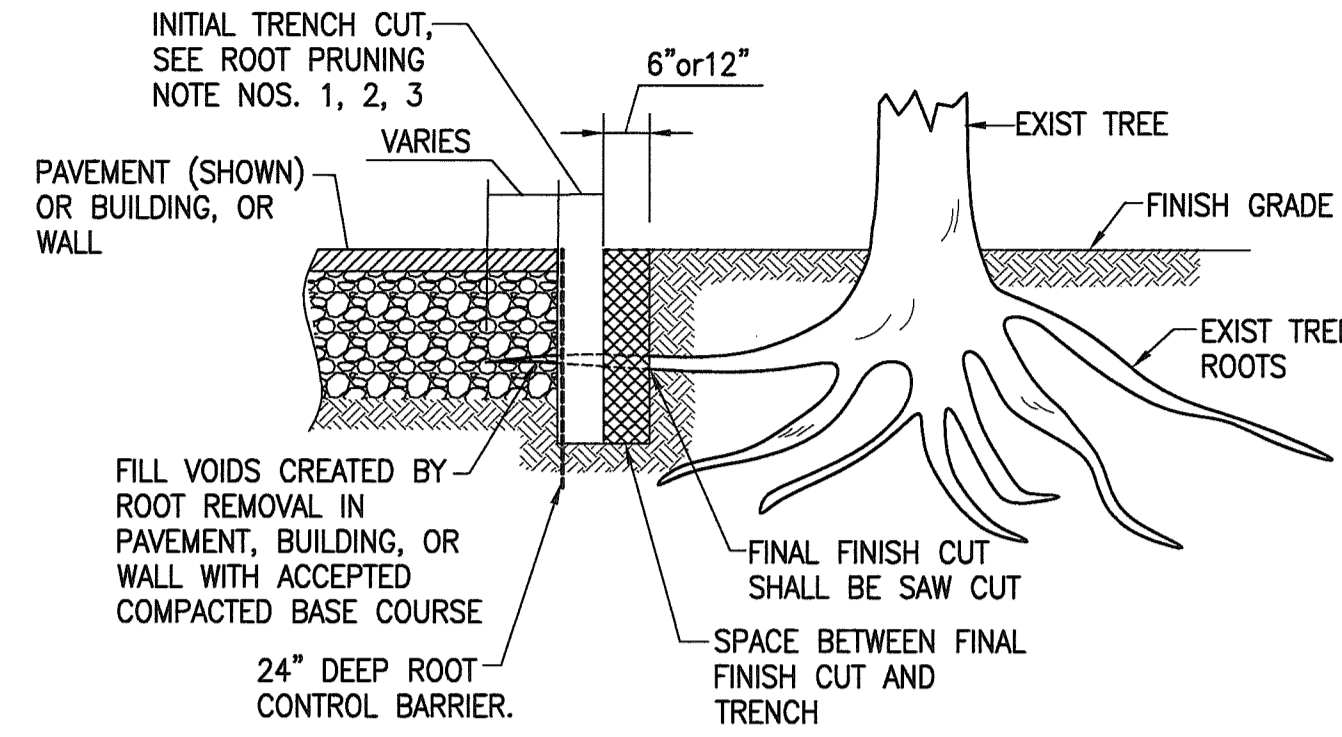
TREE PROTECTION DETAIL
NOT TO SCALE



SIGN NOTES:

- MINIMUM SIZE OF SIGN: 8 1/2"x11"
- SECURELY FASTEN TO FENCE
- HANG MORE THAN ONE SIGN FOR VISIBILITY PURPOSES IF NEEDED AND AS INDICATED.
- SIGN TO BE MADE OF WEATHERPROOF MATERIAL
- AVOID DAMAGING TREE ROOTS DURING FENCE POST INSTALLATION

TREE PROTECTION SIGN DETAIL
NOT TO SCALE



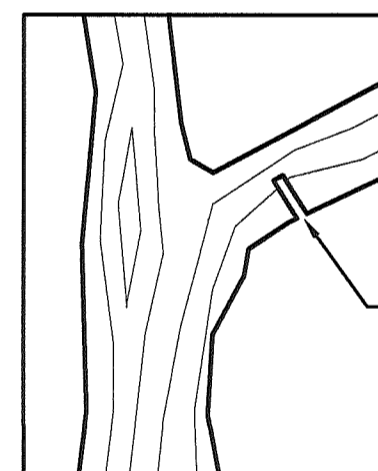
NOTES:

- ALL RELOCATION SHALL BE DONE UNDER THE SUPERVISION OF A QUALIFIED ARBORIST PER SPECIFICATIONS.
- TRUNK DIAMETER OF THE TREE IS MEASURED AT 54 INCHES FROM EXISTING GROUND LEVEL.
- THE QUALIFIED ARBORIST AND DUF/DPR SHALL DETERMINE THE AMOUNT OF THE TREE CANOPY PRUNING AFTER ROOT PRUNING.
- WORK TO BE DONE UNDER THE DIRECT SUPERVISION OF A QUALIFIED ARBORIST.
- REMOVE AND DISPOSE OF PRUNED ROOTS AND BRANCHES.

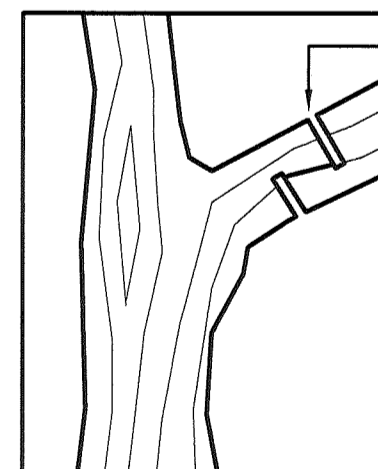
ROOT PRUNING DETAIL
NOT TO SCALE

NOTE:

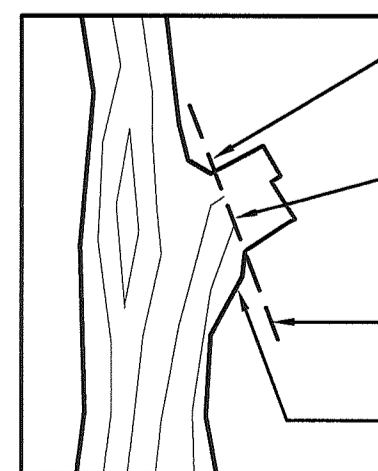
THE QUALIFIED ARBORIST SHALL POSSESS A THOROUGH WORKING KNOWLEDGE OF THE AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS: "PRUNING, TRIMMING, REPAIRING, MAINTAINING AND REMOVING TREES AND CUTTING BRUSH SAFETY REQUIREMENTS, ANSI Z133.1" LATEST EDITION AND "TREE, SHRUB AND OTHER WOODY PLANT MAINTENANCE - STANDARD PRACTICES, ANSI A300" LATEST EDITION.



FIRST CUT, FROM BELOW (UNDERCUT) AND AT LEAST ONE-THIRD OF THE WAY THROUGH THE BRANCH, KEEPS BARK FROM TEARING DOWN STEM AS BRANCH FALLS



SECOND CUT, FROM ABOVE AND ABOUT 1" FURTHER OUT, SEVERS MAIN PART OF BRANCH



BRANCH BARK RIDGE
THIRD CUT REMOVES STUB AND MAINTAINS BRANCH COLLAR. DO NOT CUT FLUSH AND DO NOT APPLY PAINT SEALANT.
ANGLE CUT
BRANCH COLLAR

LARGE BRANCH PRUNING DETAIL
NOT TO SCALE

ROOT PRUNING NOTES:

- MAKE INITIAL TRENCH CUTS 6" BEYOND THE FINAL FINISH CUT WHEN USING A TRENCHER.
- MAKE INITIAL TRENCH CUTS 12" BEYOND THE FINAL FINISH CUTS AND AVOID RIPPING ROOTS WHEN USING A BACKHOE AND/OR EXCAVATOR.
- BACKFILL TRENCH WITH NATIVE SOIL DUG FROM THE TRENCH AND COMPACT ALL VOIDS TO MATCH EXISTING FINISH GRADE, AND SEED, SPRIG OR SOD WITH GRASS AS SPECIFIED.
- WHEN USING BACKHOE EQUIPMENT FOR INITIAL CUTS, USE THE FRONT EDGE OF THE BUCKET PARALLEL TO THE TREE ROOTS (TRANSVERSE DIRECTION TO RADIATING ROOTS) TO SEVER THE TREE ROOTS TO AVOID RIPPING THE ROOTS.
- HAND EXCAVATE AROUND ROOTS TO THE SIZE OF DESIRED ROOTBALL AND THEN PRUNE OFF PROTRUDING ROOTS BY HAND SAW OR CHAIN SAW.
- ALL FINAL FINISH CUTS SHALL BE MADE USING A SHARP HAND SAW OR APPROVED ROOT PRUNING EQUIPMENT TO ENSURE CLEAN, NON-JAGGED CUTS.
- WORK SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A QUALIFIED ARBORIST.
- THE QUALIFIED ARBORIST AND THE DIVISION OF URBAN FORESTRY, DEPARTMENT OF PARKS & RECREATION STAFF SHALL DETERMINE THE AMOUNT OF THE TREE CANOPY THAT SHALL BE PRUNED AFTER ROOT PRUNING.
- ALL PRUNED ROOTS AND BRANCHES SHALL BE REMOVED AND DISPOSED OF.
- WHEN EXCAVATING ROOTS, DO NOT DAMAGE OR STRIP OUTER LAYER OF ROOT TISSUE.

[Signature]
DIRECTOR, Department of Parks and Recreation

4/6/22
Date