

# SAMPLE SPECIFICATIONS

## PROTECTION AND PRESERVATION OF EXISTING VEGETATION AND TREES

**Contractor shall protect from damage all existing vegetation determined by the Owner to remain and on adjacent property. Contractor shall repair any damage, including that to the adjacent property resulting from failure to comply with the requirements of the Contract Documents or failure to exercise reasonable care in performing the Work. If Contractor fails or refuses to repair the damage promptly, Owner may have the necessary work performed and charge the cost to Contractor.**

1. All trees, not to be removed, shall be flagged with a distinctive colored ribbon. After flagging and prior to commencement of any work, the Contractor shall notify the Owner's representative who will verify that the correct trees are flagged.
2. Flagged trees and other vegetation to remain shall be protected by a temporary 3 foot ht. min. chain link fence. The Contractor shall be responsible for providing temporary fencing as required to protect all existing vegetation to remain. The fencing shall be placed outside the drip line of the tree to be protected. The protective fence shall not be disturbed or removed until all exterior construction has been completed.
3. Contractor shall construct an earthen berm 8" min. height on the uphill side of the protective fence to divert runoff from the construction site to the protected trees. The berm shall be maintained until protective fence is removed from the project site.
4. Do not park any vehicles or equipment, nor allow equipment wash-down, nor store any materials, nor dispose of chemicals, petroleum products or other detrimental substances within the fence line protecting the trees. Restrict vehicular traffic to areas outside the drip line of the tree. Restrict foot traffic to prevent excessive compaction of soil over root systems.
5. Protect trees from flame, smoke, paint spray, heat and exhaust from generators, compressors or construction vehicles. The diameter of the fencing shall not be reduced without written instructions from the Owner.
6. Under no circumstances shall the contractor remove existing trees that are indicated not to be removed.
7. Removal of interfering branches of trees shall not be allowed except as specifically indicated and/or otherwise approved by the Owner's representative.
8. Any tree that is specifically shown to not be removed and/or which is destroyed or damaged during construction operations to the extent that, in the opinion of the Owner, the continued life of the tree is questionable shall be removed by the Contractor at

his/her own expense. Removal shall include the tree and stump to 2ft. below grade. The stump hole shall be backfilled and compacted to 85% modified proctor.

In addition thereto the tree shall be replaced with trees of the same species and equal size. Replaced trees shall be free of disease, injury and insect infestation, and fully foliated when in leaf. Replacement trees shall be guaranteed for a period of two years (two growing seasons) after final acceptance. Trees that are not established and flourishing at the end of this period shall be replaced at no additional charge.

9. Trees which cannot be replaced due to unavailability of species or size shall be paid for at the rate of \$500.00 per square inch of cross sectional area measured three feet above existing grade for trees up to and including six (6) inches caliper, and at the rate of \$1,000.00 per square inch of cross sectional area measured three feet above existing grade for trees greater than six (6) inches caliper.

10. Contractor shall confine all operations, including storage of materials, to prior approved areas. Delete this section if no tree protection is required

## **CONSTRUCTION AROUND PROTECTED TREES**

1. Open trenches are not to be routed beneath the over-story of trees that are to be preserved unless impossible to avoid; in which case damage may be reduced by careful placement by hand-digging of trenches to avoid large roots by tunneling under rather than cutting roots greater than 1 1/2" in diameter.

2. Do not cut main lateral roots or tap roots. Roots to be cut shall be pruned cleanly. Protect all exposed roots with moist organic mulch or burlap, backfill as soon as possible.

3. Water shall be applied 2 times a week until the completion of exterior construction.

4. No rototilling or major soil disturbance shall take place within this zone of protection, before, during, or after the construction, unless designated within construction documents

5. Promptly repair trees damaged by construction within 24 hours.

6. Treatment of damaged trunks, limbs, and roots will conform to ANSI A300-Part 1-1995 pruning standards.

7. All pruning will conform to ANSI A300-Part 1-1995 pruning standards, with the supervision of the Owner's representative, to remove damaged branches and encourage healthy new growth.

Owner will review completed pruning and direct additional work if it is necessary in his opinion.

8. If at any time the Contractor judges that the protection of a tree designated to be saved is incompatible with work required, or if operations necessarily threaten the health of a tree, notify immediately the Owner and do no further work affecting the tree until a written agreement is reached concerning acceptable procedures.