

Cedarvale Tree Services
LIMITED

ARBORICULTURAL and LANDSCAPE SERVICES



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November 21, 1973

*Woodlands Orchards Limited
1242 Bronte Road, R.R. #2
Oakville, Ontario*

Attention: *Mr. Geo. S. Atkins*

Subject: *Compatibility of White Oak tree to Road
Widening Program*

Dear Mr. Atkins:

Further to our discussion of November 20th and on site inspection of the large White Oak tree fronting the dwelling on your property on Bronte Road, we herein submit the following report and recommendations for your consideration.

Study of the construction plans of the various utility services and roads departments prompts us to compliment yourself and each utility service involved on the mutual interest in preserving the tree. Concern for the tree on your part and the cooperation of all service levels will be rewarded by appreciation of many travellers privileged to observe one of Southern Ontario's last large and historic trees.

Species: White Oak (Quercus Alba)

Approx. Age: 200 to 250 years

Diameter: 50" D.B.H. (Diameter Breast Height)

Circumference: 13'-1" D.B.H.

Height: Approx. 55' to 60'

Crown Spread: Approx. 75'

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Condition: Excellent - the tree is in an excellent state of vigour, assuming between two to three inches of growth during 1973 and establishing a good "bud set" for 1974.

The dead wood that has accumulated throughout the crown has been created by natural causes, e.g. lack of sunlight penetrating through to inner growth and gradual maturity.

Construction Program

Hydro: The relocation of Hydro Electric transmission lines to the opposite side of the road allowance assures permanent line clearance.

Sewage: The plan to re-route sewer lines to the west side of the roadway also guarantees no damage to growth on the outer periphery of the tree or to roots.

Water: The plan to re-route the water main (approximate mean depth of five feet) again assures protection to the branches and roots of the tree; there is a very remote chance that some small roots may be cut (we advise this would be negligible).

Curbing: Although the paved surface will be installed well beyond the actual outer periphery of the tree, if curbing is to be installed, we request that precautions be taken to not dig footings too deeply. Otherwise, root damage will occur where in all other instances, care has been taken to avoid damage.

Precaution Recommendations

Inasmuch as all efforts have been made to preserve the tree, there are a few hidden factors that may well defeat all good intentions.

1. Retain the protective snow fence tree guard until all construction is complete.
2. Avoid ingress and egress to the driveway by any form of heavy construction to avoid unnecessary compaction and possible spillage of gas, oil, etc. to root area.

3. Diameters of trenching be kept to a minimum and that all open areas be backfilled as soon as possible.
4. When road surfacing commences (even during the dormant period) that all trucks bearing "hot" loads of paving material or road surfacing equipment be not allowed to park within twenty feet of the outer periphery of the branching system of the tree.
5. We recommend that the west portion of the root strata be deep fertilized with 80 lbs. of 10-6-4 urea base fertilizer. Treatment should be rendered by drilling out drill holes 16" deep and 24" apart from the drip line toward the trunk of the tree.
6. Lower growth may be pruned back judiciously and that all exposed wood be treated with tree wound dressing.

We calculate the cost of carrying out the work in Items 5 and 6 would be \$70.00.

In closing, we reiterate that your interest and the plans of every service level involved bodes well for the continued well being of this fine Oak tree.

Very truly yours,

CEDARVALE TREE SERVICES LIMITED



A.C. Sellers

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