

ITEM	25
MANAGER'S REPORT NO.	48
COUNCIL MEETING	July 19/76

Re: EFFECT OF BOUNDARY ROAD WIDENING ON CENTRAL PARK

The following is the report of the Acting Administrator of the Parks and Recreation Department dated July 9, 1976 regarding the above.

The Parks and Recreation Commission have suggested that a copy of the report that was prepared at the request of the Vancouver Board of Parks and Recreation on March 24, 1971 be forwarded to the City of Vancouver.

The Municipal Manager is concerned that if this report is simply forwarded to the City of Vancouver without any explanation, that it will cause a great deal of confusion. It is with this thought in mind that the following comments are made:

1. The width of the long range future Boundary Road widening project has not yet been finalized in the Central Park area.
2. Attached as the last page to this particular report item is a copy of the sketch which outlines the widening contemplated during 1976, which basically provides for turning lanes on Boundary Road to the south of Kingsway. From the sketch it will be noted that there is a minimal effect on the "treed area" as shown in the 1971 C.D. Shultz report. Basically we are talking of intersection improvements for 1976 and a tapering section to connect to the existing pavement on Boundary Road near 45th Avenue. (See Sketch "A").
3. We have also shown on the plan the 132' right-of-way which is referred to in the Shultz report as being proposed for the ultimate in the Boundary Road widening project. We should point out that if we were to contemplate a 132' right-of-way (and one should keep in mind that we are presently examining ways and means of reducing this width so as to have a minimum impact on Central Park), it would only be necessary in the very long range if Boundary Road were upgraded to a very major facility such as it would be if it were to connect to a new crossing over the Fraser River.
4. The work proposed for 1976 will interfere with a half dozen ornamental trees in the vicinity of Kingsway.
5. The 1976 intersection improvements have been designed by Vancouver and the geometrics have been approved by the Burnaby Planning and Engineering Departments. The Vancouver Engineering Department have called for tenders for the work, and the work is supposed to start on August 3. It is to be completed in five weeks.
6. The road widening work being done in 1976 also goes north of Kingsway to a point slightly north of Thurston Avenue.

RECOMMENDATION:

1. THAT a copy of this report be forwarded to the City of Vancouver, the Burnaby/Vancouver Parks & Recreation Committee and the Burnaby Parks and Recreation Commission for their information.

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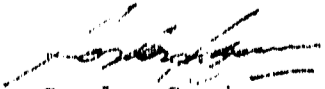
TO: MUNICIPAL MANAGER JULY 9, 1976
 FROM: ACTING PARKS AND RECREATION ADMINISTRATOR
 SUBJECT: EFFECT OF BOUNDARY ROAD WIDENING ON CENTRAL PARK

The Parks and Recreation Commission requested a report on the above subject and at its meeting of July 7, 1976, received a copy of a report prepared by C.D. Shultz & Co. Ltd. dated March 24, 1971. This report, a copy of which is attached, was prepared at the request of the Vancouver Board of Parks and Recreation.

The Commission directed that a copy of the report be sent to Council with the request that it be forwarded to the Vancouver City Council.

RECOMMENDATION:

1. That Council receive the C.D. Shultz report on the trees which will have to be removed from Central Park as a result of the proposed widening of Boundary Road.
2. That Council forward this report to the City of Vancouver.


 Gordon Squire
 ACTING ADMINISTRATOR

ITEM	25
MANAGER'S REPORT NO.	48
COUNCIL MEETING	July 19/76

ITEM 2
~~ADMINISTRATOR'S REPORT NO. 13~~
~~COMMISSION MEETING JULY 7, 1976~~

196

RE: EFFECT OF BOUNDARY ROAD WIDENING ON CENTRAL PARK

At a recent meeting, Commission requested a report from staff on the above subject.

The trees that will be lost through the widening of Boundary Road have been an area of concern for some time, and in March 1971, at the request of the Vancouver Parks Board, C.D. Schultz & Company Limited prepared a report on the subject. Copies of this report are attached.

A plan showing the trees in relationship to the Park, and to recreational facilities, will be on display at the Commission meeting.

This is for the information of the Commission.

ITEM 25
MANAGER'S REPORT NO. 48
COUNCIL MEETING July 19/76

ITEM 2
ADMINISTRATOR'S REPORT NO. 13
COMMISSION MEETING JULY 7, 1976



C. D. SCHULTZ & COMPANY LIMITED
FORESTERS AND CONSULTING ENGINEERS
325 HOWE STREET, VANCOUVER 1, CANADA

March 24, 1971
Our File: P1.001

Vancouver Board of Parks and
Public Recreation,
2099 Beach Avenue,
Vancouver, B. C.

Attention: Mr. E. Pitt,
Director of Ground Maintenance
and Construction.

Dear Sirs:

Re: Central Park - Road Widening

In accordance with your request, we have made an evaluation of the trees that will have to be removed from Central Park as a result of the proposed widening of Boundary Road. The trees are located on the west edge of Central Park between 45th Avenue and Kingsway.

The boundary of the proposed widening was established by measuring 132 feet east from the property line on the west side of Boundary Road. All trees within the widening area were measured and recorded. Trees beyond the widening area were also measured and recorded. Notes were kept concerning the presence of non-commercial trees and shrubs.

It was found that within the widening area there are 75 large fir trees, 55 small trees of various species, and 9 ornamental trees 12 feet tall which have been planted on the grass area south of Kingsway. Beyond the widening area there are 45 large fir trees and 22 small trees of various species.

The following table provides a summary of the trees within the widening area, and beyond the widening area.

ITEM	25
MANAGER'S REPORT NO.	48
COUNCIL MEETING	July 19/76

ITEM 2
~~ADMINISTRATOR'S REPORT NO. 13
 COMMISSION MEETING JULY 7, 1976~~

<u>Description</u>	<u>Within Widening</u>	<u>Beyond Widening</u>	<u>Total</u>	198
Fir 10"+ D.B.H. - No. trees	75	45	120	
Fir Volume 10"+ in M.B.M.	46	20	66	
Fir Under 10" D.B.H. - No.	9	3	12	
Cedar Under 10" D.B.H. - No.	1	-	1	
Hemlock Under 10" D.B.H. - No.	1	-	1	
Dogwood - No. trees	11	2	13	
Vine Maple - No. trees	15	10	25	
Cherry - No. trees	9	1	10	
Alder - No. trees	5	-	5	
Oak - No. trees	4	6	10	
Ornamental trees	9	-	9	

D. B. H. - Diameter at breast height - 4-1/2 feet above ground.
 M B. M. - Thousand feet board measure.

The principal value of these trees is aesthetic value. They form a part of the green forest area of Central Park. The trees are large and impressive and comprise an important link with the history of Vancouver and the lower mainland. The value of the trees is increased because of the large number of people who have ready access to the Park. The trees also have a scarcity value. There are very few comparable forest stands in the Vancouver area, and once the remaining ones are removed, it is unlikely that they will ever be replaced. In addition to aesthetic value, the trees have a functional value in providing a screen between Boundary Road and Swangard Junior Stadium.

The trees have been valued based on a calculated cost of replacement and on estimated aesthetic value and recreation use.

It is considered that the trees beyond the road widening will die as a result of the construction. Thus, it is our opinion that a valuation of trees that will be lost should include both those within the widening area, and those shown as beyond the road widening.

The following table shows the value of the trees that will be lost; an estimated cost to replace a screen of trees between Boundary Road and the Stadium, and a cost of moving, or replacing, the 9 ornamental trees.

ITEM	25
MANAGER'S REPORT NO.	48
COUNCIL MEETING	July 19/76

ITEM 2
 ADMINISTRATOR'S REPORT NO. 13
 COMMISSION MEETING JULY 7, 1976

VALUE OF TREES

<u>Description</u>	<u>Per Tree</u>	<u>Within Widening</u>	<u>Beyond Widening</u>	<u>Total</u>
Fir trees 10"+ D. B. H.	\$100	\$ 7,500	\$ 4,500	\$12,000
Fir trees 10"- D. B. H.	20	180	60	240
Dogwood	100	1,100	200	1,300
Other hardwoods	50	1,650	850	2,500
Total Value of Trees		\$10,430	\$ 5,610	\$16,040
Cost of planting screen behind stadium				1,500
Cost of moving or replacing 9 ornamental trees				300
Total Loss				\$17,840

The 120 fir trees over 10 inches in diameter have a merchantable volume of approximately 66 M B. M. It is estimated that the logs could be sold f. o. b. Central Park for \$40 per M B. M., or a total value of approximately \$2600. It is considered that, in actual practise, there will be no revenue from the logs. Any revenue will be offset by the high cost of falling the trees in a manner that will avoid damage to wires and other private property, and the cost of removing tops and branches. Thus, in the above valuation, no allowance has been made for revenue from the trees.

A map showing the location of the trees, and two photographs of the area, are attached.

Yours truly,

C. E. SCHULTZ & COMPANY LIMITED

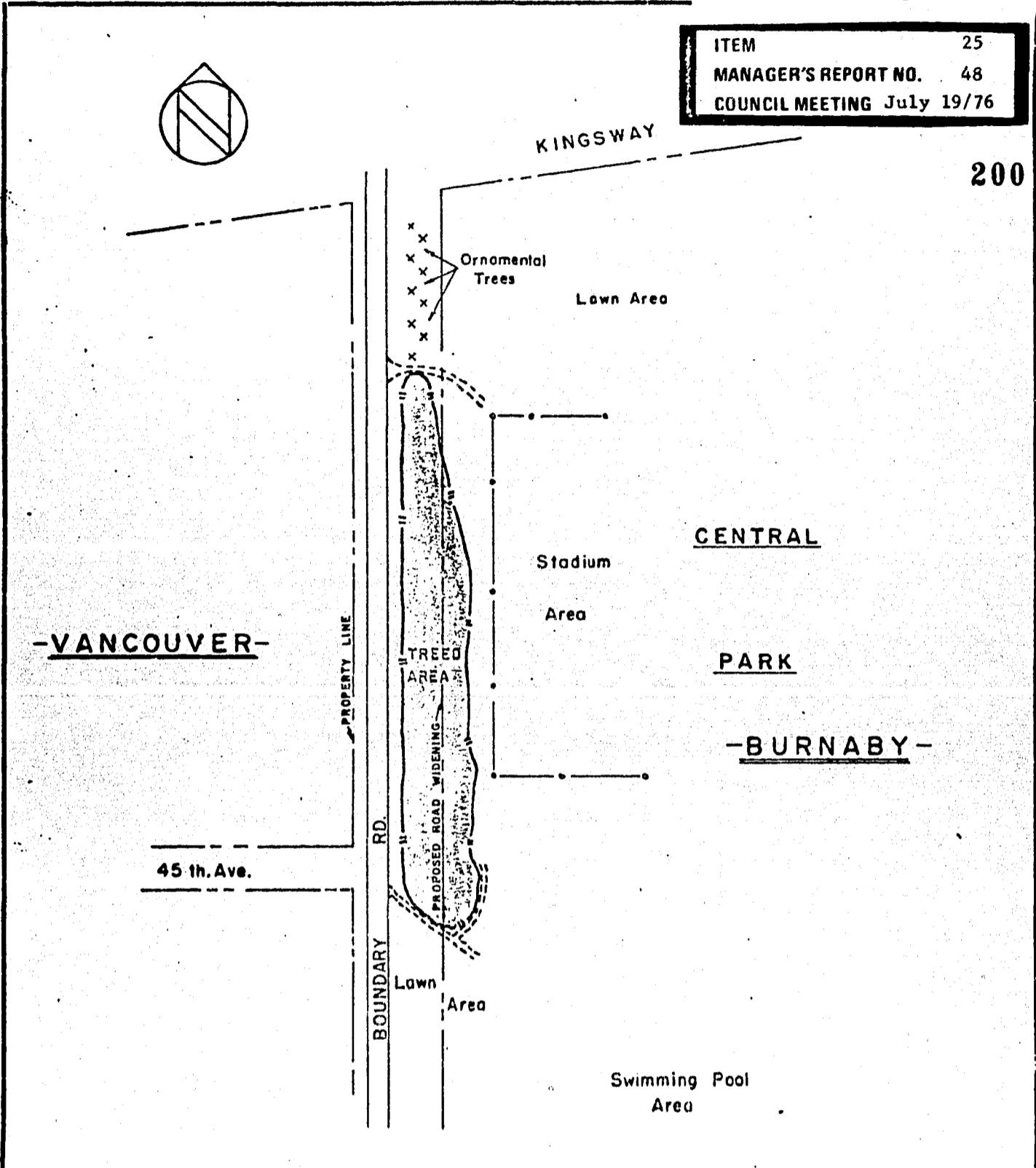
R. L. Caesar

R. L. Caesar, R. P. F.,
 Manager,
 Operations Department.

RLC/sar

ITEM 2
 ADMINISTRATOR'S REPORT NO. 13
 COMMISSION MEETING JULY 7, 1976

ITEM 25
 MANAGER'S REPORT NO. 48
 COUNCIL MEETING July 19/76



ROAD WIDENING - CENTRAL PARK

PROJECT NO. P1-001 | DWG NO. 733 | SCALE: 1" = 200' | DATE March 1971

VANCOUVER BOARD OF PARKS AND PUBLIC RECREATION

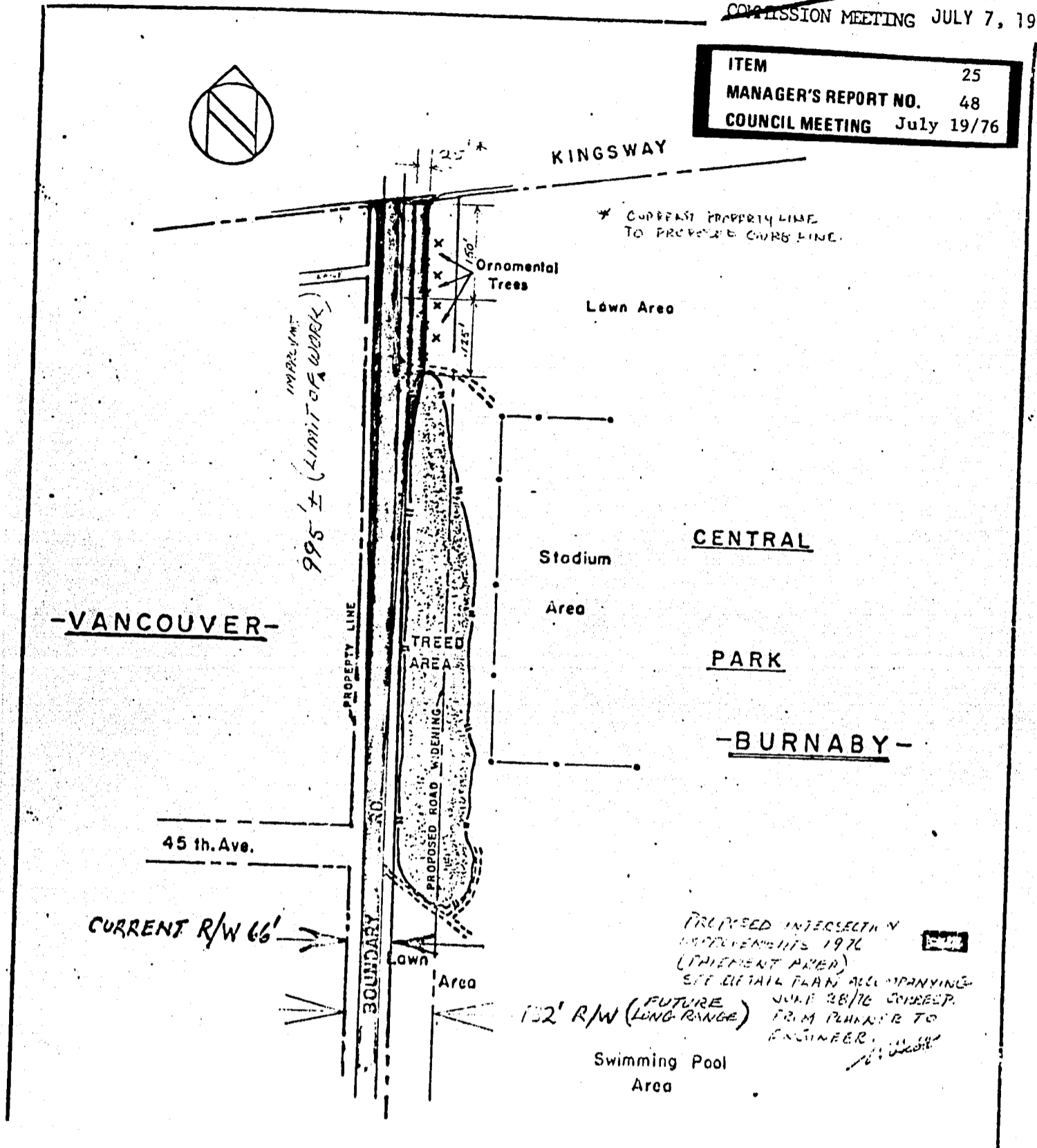
D. D. SCHULTZ & COMPANY LIMITED
 VANCOUVER CANADA

ITEM 2

ADMINISTRATOR'S REPORT NO. 13

COMMISSION MEETING JULY 7, 1976

ITEM	25
MANAGER'S REPORT NO.	48
COUNCIL MEETING	July 19/76



SKETCH "A"