

FINANCE AND AUDIT COMMITTEE

Tuesday, March 10, 1987
Finance Committee Minutes

Finance Committee

A meeting of the Finance Committee of Council convened in the Council Chambers of the Municipal Hall, 1111 Brunette Avenue, Coquitlam, B.C. at 3:30 p.m. on March 10, 1987 with all members of Council present.

Also present were the Municipal Manager, Municipal Treasurer, Municipal Solicitor, Director of Planning, Deputy Director of Planning, Municipal Engineer, Fire Chief, former Fire Chief Derek Jackson, Acting Parks and Recreation Director Mr. Bob Munro, Personnel Officer and the Municipal Clerk.

The purpose of the meeting was to give consideration to the contents of the 1987 Annual Budget.

Overview

The Municipal Manager gave a brief overview of the contents of the 1987 Budget presented to the Committee for study and indicated that the Budget, as submitted, represented a 4.99% increase in the tax rate for 1987.

The Manager further indicated that the Budget, as presented, represented the staff view of what should be included in the document and was subject to revision by Council as to deletions or additions.

Comparison Tables

The Municipal Treasurer provided three different comparison tables related to tax rates and taxes and a copy of those tables is attached and forms a part of these Minutes.

R.C.M.P. - Request for Additional Police Personnel

Supt. E. Naaykens addressed the Council to make a request that the 1987 Budget make provision for the hiring of 9 additional regular police members.

He advised Council of statistics related to population - police ratio, caseload - police ratio and the manner in which the 9 proposed additional police would be deployed at the Detachment.

Supt. Naaykens indicated that to hire the additional 9 members effective July 1, 1987 would cost \$230,985 for the balance of the year and to stagger the hiring by bringing 3 members on July 1, 1987, 3 members on October 1, 1987 and 3 members effective January 1, 1988 would mean an expenditure of \$162,475.00 for 1987.

Supt. Naaykens indicated that the large increase in population in Coquitlam is putting a large demand on services being requested of the Police Force and they are finding it impossible to do any pro-active policing.

The Superintendent also indicated that the Sunday shops opening has meant a dramatic upturn in the call for policing on that day.

The Committee expressed their appreciation to Supt. Naaykens for his appearance and indicated that serious consideration would be given to his request.

Assessment Appeals

The Municipal Treasurer advised the Committee that there are a number of outstanding assessment appeals which go back to 1983 and, if all appeals are successful, the Municipality could be liable for refunds of taxes amounting to from \$350,000 to \$400,000.

The Treasurer advised that a reserve fund has been established to cover the eventuality of having to refund taxes and \$100,000 had been set aside in that account in 1986 and a further \$100,000 is included in the 1987 budget.

Revenues

The Municipal Treasurer reviewed the Revenue section of the Budget in order that Council would be aware of how funds are derived for 1987.

Expenditures

The following sections of the 1987 Budget were reviewed by Council.

- 1 - General Government
- 2 - Protective Services - Police/Bylaw
- 3 - Protective Services - Fire
- 4 - Protective Services - Emergency Measures
- 5 - Protective Services - Inspection/License
- 6 - Protective Services - Animal/Pest Control
- 7 - Transportation Services - Surface Operations

Committee Actions

1. Suggestion Award System

Moved by Ald. Robinson
Seconded by Ald. Ohirko:

That a provision be made in the 1987 Annual Budget to allow for the commencement of a suggestion-award system.

DEFEATED

Mayor Sekora, Ald. Mitchuk, Ald. LeClair and Ald. Parker registered opposition.

2. Re-introduction of Buyer position in Purchasing Department.

Moved by Ald. Robinson
Seconded by Ald. Parker:

That the position of Buyer be reinstated within the Purchasing Department.

CARRIED UNANIMOUSLY

Tuesday, March 10, 1987
Finance Committee Minutes

3. Production of Newsletter

Moved by Ald. Ohirko
Seconded by Ald. Reid:

That the provision in the 1987 Annual Budget for the production of two newsletters be deleted.

DEFEATED

Mayor Sekora, Ald. Parker, Ald. LeClair, Ald. Mitchuk and Ald. Robinson registered opposition.

4. Funding of Mileage Payments for Vandal Watch Patrol Members

Moved by Ald. Robinson
Seconded by Ald. Reid:

That approval be given for inclusion of sufficient funds in the 1987 Annual Budget to allow for payment of mileage to participants in the Vandal Watch program. The amount to be included to be \$2,340.00 to cover payment effective April 1, 1987 with approval being sought from Port Coquitlam for sharing of the cost on a 1/3 to 2/3 basis.

CARRIED

Ald. Parker registered opposition.

Bylaw Enforcement Officer

Moved by Ald. Parker
Seconded by Ald. Reid:

That the provision contained in the Budget for the employment of a second full time Bylaw Enforcement Officer be approved.

CARRIED UNANIMOUSLY

Adjournment

The Budget meeting was declared adjourned at 10:00 p.m.

Chairman

DISTRICT OF COQUITLAM

1986 - 1987 GENERAL MUNICIPAL TAXES COMPARISON

Roll No.	Registered Owner	Property Address	1986		1987		\$ Increase (Decrease)	% Increase (Decrease)
			Taxable Value	Mun. Taxes 5.636	Taxable Value	Mun. Taxes 5.9173		
RESIDENTIAL - CLASS 1								
RESIDENTIAL - SINGLE FAMILY								
00768-000	G.F. Parker	626 Grayson	62,050	349.71	70,200	415.39	65.68	18.78%
01224-000	L.W. Browning	825 Edgar Avenue	79,800	449.75	80,300	475.16	25.41	5.65%
02389-000	G.L. Clampitt	936 Edgar Avenue	82,600	465.53	86,400	511.25	45.72	9.82%
03651-000	T. & L. Watson	529 Appian Way	127,650	719.44	137,850	815.70	96.26	13.38%
08369-000	J. & G. Tonn	1590 Thomas Avenue	89,450	504.14	102,300	605.34	101.20	20.07%
11295-000	J.E. Skerry	1142 Dansey Avenue	96,200	542.18	101,450	600.31	58.13	10.72%
13800-178	J.M. LeClair	447 Alouette	144,800	816.09	153,200	906.53	90.44	11.08%
13936-052	I. & M. Vaskovic	1362 Lansdowne	113,000	636.87	121,800	720.73	83.86	13.17%
13936-117	K.G. Gerrard	1293 Charter Hill	122,600	690.97	129,950	768.95	77.98	11.29%
13950-007	F. & Z. Kratoska	1279 Steeple Drive	112,200	632.36	119,450	706.82	74.46	11.77%
14809-001	R. & H. Mitchuk	922 Dennison Street	160,950	907.11	175,000	1,035.53	128.42	14.16%
20285-032	S. LeClair	630 Newport Street	111,250	627.01	115,350	682.56	55.55	8.86%
20285-048	B. & J. Robinson	659 Newport Street	121,650	685.62	122,650	725.76	40.14	5.85%
24305-000	L. Sekora	947 Porter Street	101,100	569.80	105,700	625.46	55.66	9.77%
24796-000	J. Simmonds	1371 Chine Crescent	113,000	636.87	115,700	684.63	47.76	7.50%
27698-070	W. Ohirko	909 Baker Drive	101,750	573.46	107,350	635.22	61.76	10.77%
35297-081	J. & J. Huckell	1236 Bluff Drive	70,600	397.90	77,350	457.70	59.80	15.03%
35340-130	G.R. McMeeking	1217 Hornby Street	84,600	476.81	90,500	535.52	58.71	12.31%
35894-000	W. & E. Ward	3337 Hazel Avenue	137,750	776.36	141,650	838.19	61.83	7.96%
36482-000	B. Pettie	3469 Roxton Avenue	81,300	458.21	82,900	490.54	32.33	7.06%
36595-000	W. & C. Phelan	3557 Victoria Drive	122,000	687.59	129,250	764.81	77.22	11.23%
36904-020	T. & J. Timm	4225 Cedar Drive	98,050	552.61	101,850	602.68	50.07	9.06%

DISTRICT OF COQUITLAM

1986 - 1987 GENERAL MUNICIPAL TAXES COMPARISON

Roll No.	Registered Owner	Property Address	1986		1987		\$ Increase (Decrease)	% Increase (Decrease)	Code	Actual Use
			Taxable Value	Mun. Taxes 5.636	Taxable Value	Mun. Taxes 5.9173				
RESIDENTIAL - MOBILE HOMES										
90040-019	J.R. Martyn	19 - 2881 Barnet Hwy.	8,550	48.19	8,150	48.23	0.04	0.08%		
90045-025	B.P. Charloe	27 - 1133 Pipeline	14,550	82.00	13,500	79.88	(2.12)	-2.59%		
90045-048	A. & E. Fraser	52 - 1133 Pipeline	38,650	217.83	33,650	199.12	(18.71)	-8.59%		
				17.322		18.1866				
UTILITIES - CLASS 2										
21985-000-5	B.C. Telephone	701 Blue Mountain St.	678,300	11,749.51	781,900	14,220.10	2,470.59	21.03%	520	Telephone
36170-000-8	G.V.W.D.	Pipeline Road	112,950	1,956.52	112,950	2,054.18	97.66	4.99%	560	Water Dist. System
38209-000-9	C.P.R. Co.	R-W Fraser Mills	1,336,650	23,153.45	216,100	3,930.12	(19,223.33)	-83.03%	500	Railway
38212-000-4	Burlington North Inc.		617,500	10,696.34	54,914	998.70	(9,697.64)	-90.66%	500	Railway
38215-000-1	Trans. Mtn. Oil Co.	4.56 Miles 24" Pipe	1,247,850	21,615.26	2,334,120	42,449.71	20,834.45	96.39%	436	Oil & Gas Transp. Pipe
				17.00		17.8485				
INDUSTRIAL - CLASS 5										
06460-022-4	Mason Land Dev.	25 Leeder Street	727,200	12,362.40	728,800	13,007.99	645.59	5.22%	464	Metal Fabricating Ind.
06502-001-8	Newport Terminals	2320 Rogers Ave.	950,400	16,156.80	1,005,550	17,947.56	1,790.76	11.08%	474	Misc. Industrial
06502-002-6	Warren Paving	2300 Rogers Ave.	1,746,850	29,696.45	1,832,650	32,710.05	3,013.60	10.15%	447	Asphalt Plants
06547-020-5	Pac Athletic Supply	2445 Canoe Avenue	1,513,300	25,726.10	1,503,650	26,837.90	1,111.80	4.32%	274	Storage & Warehouse
08461-010-4	First Canwest Hol.	211 Schoolhouse	75,300	1,280.10	55,750	995.05	(285.05)	-22.27%	450	Rubber & Plastics Pro.
35208-002-2	Leslie Const. Ltd.	1210 Pipeline Rd.	413,800	7,034.60	397,000	7,085.85	51.25	0.73%	273	Storage & Warehouse
35956-000-0	Montcalm Aggregates	1530 Pipeline Rd.	130,100	2,211.70	189,050	3,374.26	1,162.56	52.56%	448	Concrete Mixing Plant
38233-100-7	Ashland Oil Can. Lease	2.6 Acre Lease	147,550	2,508.35	145,650	2,599.63	91.28	3.64%	447	Asphalt Plants
38233-200	LaFarge Concr. Ltd.	3.36 Acre Lease	223,050	3,791.85	201,900	3,603.61	(188.24)	-4.96%	447	Asphalt Plants
40003-000	Crown Forest Prod.	Pcl 5 Pl Ref 54459	1,013,500	17,229.50	1,013,500	18,089.45	859.95	4.99%	401	Industrial Vacant

DISTRICT OF COQUITLAM

1986 - 1987 GENERAL MUNICIPAL TAXES COMPARISON

Roll No.	Registered Owner	Property Address	1986		1987		\$ Increase (Decrease)	% Increase (Decrease)	Code	Actual Use
			Taxable Value	Mun. Taxes 14.716	Taxable Value	Mun. Taxes 15.4505				
BUSINESS - CLASS 6										
15547-000-8	V. Heino Const. Co. Trojan Apts. Ltd.	1053 Ridgeway Ave.	147,400	2,169.14	202,950	3,135.68	966.54	44.56%	200	Store & Services
15586-000-0	Chevron Canada Ltd.	1029 Austin Ave.	288,000	4,238.21	285,250	4,407.26	169.05	3.99%	222	Service Station
24694-000-1	Chevron Canada Ltd.	1695 Como Lake	182,400	2,684.20	182,650	2,822.03	137.83	5.13%	222	Service Station
30974-005-8	Sutterhill Dev. Ltd.	3000 Lougheed Hwy.	12,790,000	188,217.64	13,965,200	215,769.32	27,551.68	14.64%	214	Shopping Centre
31016-000-7	Shell Canada Ltd.	3051 Lougheed Hwy.	731,300	10,761.81	762,950	11,787.96	1,026.15	9.54%	222	Service Station
31909-030-4	Norco Products Ltd.	2710 Barnet Hwy.	773,400	11,381.35	928,400	14,344.24	2,962.89	26.03%	273	Storage & Whse. Closed
32599-000-0	Pension Funds Real.	2929 Barnet Hwy.	68,390,000	1,006,427.24	73,870,000	1,141,328.44	134,901.20	13.40%	214	Shopping Centre
32790-010-6	Vcr. City Savings	3020 Lincoln	1,898,600	27,939.80	1,736,900	26,835.97	(1,103.83)	-3.95%	204	Stores & Offices
SEASONAL RESORTS - CLASS 8										
				7.168		7.5258				
FARMS - CLASS 9										
				6.506		6.8307				
36991-000-5	M. Martelli	3585 Lincoln Ave.	10,421	67.80	98,475	672.65	604.85	892.11%		Class 1 (1987)
37016-000-4	H & A Leighland	3717 Lincoln Ave.	7,006	45.58	7,006	47.86	2.28	5.00%		
37487-000-4	L. & S. Paquette	3407 Galloway	7,209	46.90	7,209	49.24	2.34	4.99%		

COMPARISON OF 1986 MUNICIPAL TAX RATES
FOR LOWER MAINLAND MUNICIPALITIES

CLASS	1	2	5	6	8	9
JURISDICTION	RESIDENTIAL	UTILITIES	INDUSTRY	BUSINESS	RECREATION	FARM
A. CITIES						
TRRR Langley	1. 7.4480	1.62 12.0847	1.56 11.6199	1.56 11.6199	1.32 9.8382	.61 4.5704
TRRR New Westminster	1. 8.66770	2.97 25.7625	3.14 27.2600	2.16 18.6985	1.00 8.6677	1.00 8.6677
TRRR North Vancouver	1. 6.58605	1.99 13.08735	2.02 13.27843	1.31 8.6452	1.00 6.58605	1.31 8.64520
TRRR Port Coquitlam	1. 8.9559	2.50 22.3898	1.60 14.3295	1.60 14.3295	1.10 9.8515	1.35 12.0708
TRRR Port Moody	1. 8.1714	3.66 29.8748	2.97 24.2600	2.27 18.5365	2.27 18.5370	0 0
TRRR Vancouver	1. 5.1009	3.99 20.3665	4.64 23.6626	3.28 16.7268	1.22 6.2119	1.29 6.5936
TRRR White Rock	1. 8.2467	3.50 28.87047	0	2.25 18.55958	1.00 8.2487	0 0
Average Tax Rate Ratio to Residential - B.C.	1.	2.87	2.34	2.05	1.10	.91
B. DISTRICTS						
TRRR Coquitlam	1. 5.6360	3.07 17.3220	3.02 17.0000	2.61 14.7160	1.27 7.1680	1.15 6.506
TRRR Burnaby	1. 6.2698	3.50 21.9443	2.50 15.6745	2.10 13.1666	1.00 6.2698	1.00 6.2698
TRRR Delta	1. 6.6437	3.23 22.1235	2.07 13.7524	1.85 12.2909	0.48 3.1890	1.05 6.9759
TRRR Langley	1. 5.79468	2.76 16.00996	2.40 13.89122	2.40 13.89122	1.00 5.79468	.75 4.36733
TRRR North Vancouver	1. 6.2858	2.00 12.5716	2.00 12.5716	1.42 8.9258	1.00 6.2858	- -
TRRR Richmond	1. 4.5071	3.47 15.6369	2.78 12.5511	2.21 9.9791	.87 3.9250	.90 4.0393
TRRR Surrey	1. 4.4200	3.22 14.2300	2.28 10.0600	2.28 10.0600	1.00 4.4200	1.00 4.4200
TRRR West Vancouver	1. 6.6960	1.51 10.1140	1.52 10.1740	1.48 9.9260	1.32 8.8090	0
Average Tax Rate Ratio to Residential - B.C.	Not available.					

Notes - Comparison of tax ratios by class may not be totally representative where a municipal jurisdiction initiates separate user rates and another absorbs the cost within its general tax rate.

TRRR - Acronym for Tax Rate Ratios to Residential

COMPARISON OF 1986 MUNICIPAL TAX RATES
FOR LOWER MAINLAND MUNICIPALITIES

1 Residential		2 Utilities		5 Industry		6 Business		8 Recreational		9 Farm	
Surrey	4.4200	West Vancouver	10.1140	Surrey	10.0600	City N. Van.	8.6452	Delta	3.1890	Richmond	4.0393
Richmond	4.5071	Langley City	12.0847	West Vancouver	10.1740	Dist. N. Van.	8.9258	Richmond	3.9250	Langley Dist.	4.36733
Vancouver	5.1009	Dist. N. Van.	12.5716	Langley City	11.6199	West Vancouver	9.9260	Surrey	4.4200	Surrey	4.4200
Coquitlam	5.6360	City N. Van.	13.08735	Richmond	12.5511	Richmond	9.9791	Langley Dist.	5.79468	Langley City	4.5704
Langley Dist.	5.79468	Surrey	14.2300	Dist. N. Van.	12.5716	Surrey	10.0600	Vancouver	6.2119	Burnaby	6.2698
Burnaby	6.2698	Richmond	15.6369	City N. Van.	13.27843	Langley City	11.6199	Burnaby	6.2698	Coquitlam	6.506
Dist. N. Van.	6.2858	Langley Dist.	16.00996	Delta	13.7524	Delta	12.2909	Dist. N. Van.	6.2858	Vancouver	6.5936
City of N. Van.	6.58605	Coquitlam	17.3220	Langley Dist.	13.89122	Burnaby	13.1666	City N. Van.	6.58605	Delta	6.9759
Delta	6.6437	Vancouver	20.3665	Pt. Coquitlam	14.3295	Langley Dist.	13.89122	Coquitlam	7.1680	City N. Van.	8.64520
West Vancouver	6.6960	Burnaby	21.9443	Burnaby	15.6745	Pt. Coquitlam	14.3295	White Rock	8.2487	New Westminster	8.6677
Langley City	7.4480	Delta	22.1235	Coquitlam	17.0000	Coquitlam	14.7160	New Westminster	8.6677	Pt. Coquitlam	12.0708
Port Moody	8.1714	Pt. Coquitlam	22.3898	Vancouver	23.6626	Vancouver	16.7268	West Vancouver	8.8090	Port Moody	
White Rock	8.2467	New West.	25.7625	Port Moody	24.2600	Port Moody	18.5365	Langley City	9.8382	White Rock	
New Westminster	8.66770	White Rock	28.87047	New Westminster	27.2600	White Rock	18.55958	Pt. Coquitlam	9.8515	Dist. N. Van.	
Pt. Coquitlam	8.9559	Port Moody	29.8748	White Rock		New Westminster	18.6985	Port Moody	18.5370	West Vancouver	

1987

COQUITLAM/PORT COQUITLAM
CRIME PREVENTION COMMITTEE
CITIZEN CRIME WATCH PATROL
(VANDAL WATCH)

PROJECT NAME:

Coquitlam/Port Coquitlam Citizen Crime Watch Patrol.

OBJECTIVES:

To encourage citizens to work with Coquitlam Detachment in controlling high-crime areas, to observe and report suspicious criminal activity.

APPLICATION:

To patrol the Coquitlam/Port Coquitlam Municipalities a minimum of two evenings per week during peak-crime periods.

FINANCIAL:

VEHICLE MILEAGE AND GENERAL EXPENSES:

Milage - 50 miles per vehicle per evening @\$0.10	
- 6 vehicles per evening @ \$5.00 = \$30.00	
- Cost per week 2 x \$30.00 = \$60.00	
- Cost per year 52 x \$60.00	\$3,120.00
TOTAL	<u>\$3,120.00</u>

FROM

TEO KLASSEN

DEPARTMENT

MUNICIPAL CLEAN

BRIAN KIRK

DATE

1987 03 12

PORT COQUITLAM

SUBJECT

MILEAGE PAYMENT -
VANORAL WATCH

MESSAGE

AS DISCUSSED WITH YOU BY TELEPHONE
I ENCLOSED A COPY OF THE VANORAL WATCH
PROPOSAL FOR PAYMENT OF MILEAGE COSTS

COQUITLAM PROPOSES PAYMENTS TO
COMMENCE APRIL 1, 1987 WHICH
WOULD MEAN THE FOLLOWING COST:

\$ 260.00 PER MONTH = \$ 2340.00

COQUITLAM SHARE 2/3 OF \$ 2340.00 = 1560

PT. COQ. SHARE 1/3 OF 2340.00 = 780

PLEASE ADVISE OF THE DECISION OF YOUR
COUNCIL



USE LOWER PORTION FOR REPLY

REPLY FROM

DATE

Thursday, March 12, 1987
Finance Committee Minutes

Finance Committee

A meeting of the Finance Committee of Council convened in the Council Chambers of the Municipal Hall, 1111 Brunette Avenue, Coquitlam, B.C. at 3:00 P.M. on March 12, 1987 with all members of Council present.

Also present were the Municipal Manager, Municipal Treasurer, Municipal Solicitor, Director of Planning, Municipal Engineer, Deputy Director of Planning, Fire Chief, former Fire Chief Derek Jackson, Acting Parks and Recreation Director Mr. R. Munro, Personnel Officer and the Municipal Clerk.

The purpose of the meeting was to give consideration to the contents of the 1987 Annual Budget as commenced at the meeting of March 10, 1987 and the review this evening started from the Storm Drainage section of the Budget.

Parks and Recreation Department

Moved by Ald. Reid
Seconded by Ald. Robinson:

That the provision for Seminars and Conventions in the Parks and Recreation portion of the Budget be increased to a total figure of \$5,000.00.

CARRIED

Mayor Sekora registered opposition.

Library Board Allocation

Moved by Ald. Mitchuk
Seconded by Ald. Parker:

That an additional amount of \$8750.00 be allocated towards the 1987 Library Board grant.

CARRIED

Mayor Sekora registered opposition.

Additional Items to 1987 Annual Budget

1. Arena Annex Lighting Upgrading:

Moved by Ald. Mitchuk
Seconded by Ald. Ohirko:

That a provision of \$27,500.00 be made in the 1987 Annual Budget to cover the cost of lighting upgrading in the Arena Annex.

CARRIED UNANIMOUSLY

2. Mackin Park Parking Lot Paving

Moved by Ald. Robinson
Seconded By Ald. Mitchuk:

That a provision of \$32,650.00 be made in the 1987 Annual Budget to cover the cost of paving the Mackin park parking lot.

CARRIED UNANIMOUSLY

Thursday, March 12, 1987
Finance Committee Minutes

3. Sidewalk Vegetation Control Programme

Moved by Ald. Reid
Seconded by Ald. Mitchuk:

That an additional provision of \$12,000.00 be made in the 1987 Annual Budget to cover the cost of instituting a vegetation control programme as described in the Engineer's report of March 9, 1987 entitled "Vegetation Control: A Proposed Program for Consideration in the 1987 Budget Review Process."

CARRIED UNANIMOUSLY

1987 Annual Budget and Rates Bylaws

Moved by Ald. Robinson
Seconded by Ald. Ohirko:

That the staff be instructed to prepare the necessary Budget Bylaw and Rates Bylaw for submission to Council based on the Budget submitted to the Finance Committee and including those alterations as approved by Council at the Finance Committee meetings of March 10, 1987 and March 12, 1987.

CARRIED UNANIMOUSLY

Partners in Enterprise Programme

In response to a question the Municipal Treasurer indicated that approximately \$1.4 Million in assessed values was eligible for tax incentives under the Partners in Enterprise programme and this would translate to about \$10,000 in lost revenue to the District.

#1 Firehall Construction

The Municipal Manager advised Council that the proposed new radio system for the #1 Firehall had been costed at a figure of over \$800,000.00, which was far in excess of the amount provided for in the Budget for construction of the facility.

The Manager did advise that he has instructed that the radio facility not proceed at this time and that at some future date he would again approach Council on this matter.

Adjournment

Moved by Ald. Parker
Seconded by Ald. Reid:

That the Finance Committee adjourn: 9:20 P.M.

CARRIED UNANIMOUSLY

Chairman

DISTRICT OF COQUITLAM

Inter-Office Communication

TO: J. L. Tonn, Municipal Manager DEPARTMENT: Administration DATE: 1987 March 09
FROM: Neil Nyberg DEPARTMENT: Engineering YOUR FILE:
SUBJECT: VEGETATION CONTROL: A PROPOSED PROGRAM FOR CONSIDERATION OUR FILE: 03 01 06
IN THE 1987 BUDGET REVIEW PROCESS

1.00 BACKGROUND

- 1.00 In 1985 and 1986 we experienced a high frequency of public complaints regarding grass and weeds growing through pavement construction joints. As the inventory of curb, gutter and sidewalk increases, with the resources committed to pavement maintenance remaining constant, the frequency of complaints will increase dramatically. Several instructions come from the Mayor's office each year to remedy isolated problems.
- 1.02 If allowed to develop over a period of years, root growth displaces concrete slabs, causing break up and creates a safety hazard for pedestrians. Cracks and openings allow moisture to penetrate to the soil supporting the slabs, and eventually crack or fracture the concrete. Of less concern but still important, is the image created by unchecked vegetation growth along Coquitlam streets. This image of untidiness and neglect creates a very unfavourable impression with residents and potential investors.
- 1.03 There has been a reluctance to use herbicides because of the perceived risk of environmental damage. Compared with the costly, time-consuming and ineffective manual methods of weed control, chemical application has important advantages.
- 1.04 This report advocates a new Vegetation Control Program using a locally-applied liquid herbicide. Since this program is additional to the current 1987 budget submission the goals, objectives, costs and measurement criteria are set out in some detail, in an effort to substantiate funding in the amount of \$12,000 in 1987.

2.00 DISCUSSION

2.01 Objective.

- a. To adopt an effective Vegetation Control Program to control weed growth in District pavements;
- b. Inhibit future growth in the same locations. (This will permit a reduction in the program in future years); and
- c. to minimize or eliminate any risk of adverse effects to persons, pets, plants or property.

2.02 Investigation. Various herbicides have been investigated by the Assistant Municipal Engineer-Operations, and agencies such as the Ministry of Environment and Department of Agriculture, and commercial nurseries have been consulted. The best product is "Round-up", which is described in detail in Annex 'A'. "Round-up" is approved for use in weed control by the environmental and agricultural agencies.

2.03 Method of Work. Application requires a special applicator's license. Liquid "Round-up" is carried in a back-pack and applied with a long spray wand directly to the growing weed in the pavement, without affecting nearby desirable growth from overspray or air drift. Protective clothing and gloves are worn by the applicator, and a complete personal hygiene routine would be carried out by the individual at the cessation of each days work. These precautions, which are far in excess of the recommended safety techniques, would be employed to remove the slightest vestige of possibility of physical affects.

- 2.04 The Vegetation Control Program would cost approximately \$14,183.00. The existing proposed level of funding in account 232331-000 is a pittance of \$2,000. The expanded program reflects employment of one labourer and vehicle and the purchase of 270 litres of "Round-up". A news release would be prepared explaining the nature of the program.
- 2.05 The attached plans show that sidewalk, curb and gutter are concentrated in the high value neighbourhoods of Coquitlam. The inventory of sidewalk has steadily increased: 10,000 metres of new sidewalk have been added from the road referendum projects alone, and further a 60,000 metres of new sidewalk has been taken over since 1981 from advancing subdivision development. This huge increase of sidewalk, overgrown with grass and weeds, will create a devastating appearance problem for the municipality.
- 2.06 A good idea of the area of coverage can be obtained from examining the road maintenance zone maps attached as Appendix B. Dark lines indicate sidewalk locations. Zone 3 (River Heights) and Zone 5 (Eagle Ridge) show significant volumes of new sidewalk.

3.00 RECOMMENDATION

- 3.01 That additional supplementary funding be provided for a limited Vegetation Control Program to remove weeds growing in arterial and collector roads and sidewalks using the herbicide "Round-up", at an annual cost of \$12,000 in 1987.



Neil Nyberg, P. Eng.
Municipal Engineer

NWN/mw
Attach.

c.c. W. Low
D. A. Kersey

Roundup[®] Q&A

Herbicide

July, 1984

FORMULATION

- Q.** What are the chemical components of Roundup?
- A.** Glyphosate the "active ingredient" in Roundup, is formulated as the isopropylamine (IPA) salt. Glyphosate's chemical name is N-(phosphonomethyl) glycine. It contains the elements carbon, hydrogen, oxygen, nitrogen and phosphorus. The formulated product also contains inert ingredients. These inerts include water and a surfactant to aid in the absorption of the herbicide into the plant.
- Q.** Does Roundup contain 2,4-D?
- A.** Monsanto earlier marketed a product called Roundup which was a combination of propachlor and 2,4-D. The manufacture and sale of that product, available in either granular or wettable powder form, was stopped in the late 1960s. Roundup herbicide, as produced and sold today, has no similarities to the previous product other than the name. It contains the isopropylamine salt of glyphosate (IPA glyphosate), which is not a phenoxy chemical. It does not contain 2,4-D.
- Q.** Does Roundup contain dioxin?
- A.** No, Roundup does not contain dioxin. It contains IPA glyphosate which readily biodegrades in soil into carbon dioxide, water, nitrogen and phosphorus products.

REGISTRATION

- Q.** When was the current product first made commercially available?
- A.** In Canada, the 'new' Roundup was first approved in 1975 for noncrop and agricultural usage. By 1984, Roundup was labeled preplant to all agricultural crops, for forestry usage and usage in industrial sites such as public/industrial areas and on railroad/highway rights-of-way.
- Q.** Who determines the extent and types of tests which will be completed in herbicides?
- A.** Agriculture Canada in consultation with Health & Welfare Canada, Environment Canada and Fisheries and Oceans Canada, develops testing requirements for the registration of all pesticides. Depending on the type of herbicide being developed and the crops or sites for which it is intended, the registrant in consultation with the various departments agrees on the types of experiment which must be conducted to obtain product registration. Additional studies may be required depending on the results obtained from the initial testing on the crops or sites on which use is proposed. Either the registrant or government departments may determine that additional experiments be conducted.
- Q.** Why are silvicultural use instructions classified as a restricted use?
- A.** Agriculture Canada has defined control products for use in forest management programs as restricted compounds which are subject to interdisciplinary review and permit requirements under provincial legislation. Permit requirements may include the establishment of appropriate buffer zones to minimize the drift potential to non-target plants, aquatic species and populated areas.

Q. Many of the health effect studies were performed by industrial Bio-Test Laboratories (IBT), a company accused of deficient recordkeeping practices. Is the glyphosate data valid?

A. In the course of a routine U.S. Food and Drug Administration (FDA) inspection of IBT, a number of deficiencies were revealed in the manner in which some animal toxicology studies were conducted as well as discrepancies between the reports of such studies and the raw data. As a result of these findings Health & Welfare Canada and the EPA required a thorough audit of the raw data of all IBT studies. A number of chemicals from several different manufacturers were involved in the audit. As a result of this audit, Monsanto Company initiated an aggressive program to respond to the concerns as communicated by Health & Welfare Canada and the EPA. All of the requested pivotal studies have been completed and accepted by Health & Welfare Canada and the EPA. Importantly, results of the requested tests which were completed in accordance with the most current toxicological guidelines fully support the conclusions reached in the initial IBT studies.

Q. Why do Monsanto and other chemical companies keep their toxicological and environmental data confidential when pesticides pose potential problems to health and the environment?

A. Toxicological and environmental data must be obtained for each pesticide product to be marketed in Canada before it may be registered by Agriculture Canada and approved for use as stated on the label. The process of bringing a newly discovered compound to market requires an investment of between 20-25 million dollars. Much of that cost is incurred in evaluating the health and environmental effects and the efficacy of the compound. If these data were disclosed, other parties desiring to market a like product could apply for registration with Agriculture Canada citing the toxicological and environmental data generated by the original registrant. Hence, companies in order to protect their sizeable investments from competitors, must maintain the confidentiality of the data.

This is not to say that information on the relative hazards of a pesticide is not available. Information on the health and environmental characteristics of Roundup has been widely distributed by Monsanto. To site a single example, over 5,000 copies of a Roundup Herbicide Bulletin on this subject have been distributed to interested individuals.

TOXICOLOGY

Q. What is the acute toxicity of Roundup?

A. Roundup is virtually nontoxic. On a relative basis, for example, Roundup is less acutely toxic than table salt or aspirin. Based on animal studies, a 165-pound person would have to ingest 22 quarts of a normal use solution at one sitting to obtain a possible lethal dose. $\approx 373 \text{ mg} = 0.37 \text{ l}$ straight

Q. Why has Roundup been designated an irritant by Agriculture Canada?

A. Roundup was assigned an irritant designation by Agriculture Canada due to its potential to cause irritation following contact with the eyes. Although such exposure may result in irritation and discomfort, laboratory studies with Roundup indicate the effects are only temporary, with the eyes shortly returning to a normal condition. The relative severity of eye irritation may be seen by comparing Draize scores, which measure eye irritation levels in laboratory animals. When these scores are compared, they show that Roundup has a lower irritation index than many common household shampoos or detergents.

Q. Are some people more sensitive to skin irritation from Roundup than others?

A. Our experience to date indicates that some individuals are more susceptible than others to skin and eye effects resulting from contact with Roundup. Human skin reactions may vary not only because of individual differences, but also from the nature of the exposure. In some cases the clothing has been saturated with the material, particularly the concentrate, and has been left in contact with the skin for some time. In other situations some individuals who have gotten the material in small cuts or breaks in their skin have exhibited irritation, while other individuals exposed under a similar set of circumstances have had no symptoms. It is primarily because of

the increased susceptibility of some individuals that we universally recommend washing the material off the skin. Studies have shown that these irritation effects are only temporary with the eyes or skin returning to a normal condition once the Roundup has been washed off.

- Q.** Animal studies give some indication of a herbicide's relative safety, but what effects have accidental exposures to Roundup had on human beings?
- A.** Reports of accidental human exposures to Roundup show that in the majority of cases there was no exposure related effects whatsoever. In those cases where there was an effect it was relatively minor in nature, with the exposed individual being treated locally and released. The U.S. Environmental Protection Agency's pesticide incident monitoring system has been monitoring pesticide exposures since 1966. A recent report, cataloging exposure incidents in humans, shows only 92 reported on glyphosate since 1974, the year Roundup was registered. Of these 92 individuals, only 35 exhibited symptoms related to glyphosate exposure. Reported symptoms included skin or eye irritation in applicators and mild gastric distress in children who had accidentally ingested Roundup.
- Q.** There have been recent allegations made about the possibility of adverse health effects occurring as the result of exposure to Roundup. What is the potential for adverse health effects to occur as a result of such exposure?
- A.** The primary concern expressed relates to long-term or delayed effects such as the potential for such exposure to cause birth defects, cancer or mutations. Glyphosate did not cause cancer, tumors, reproductive problems or mutations in the animal studies specifically designed to assess the potential for these effects.
- Q.** What special precautions, if any, should be taken when using Roundup?
- A.** As with any chemical, always read and follow the label directions; keep out of the reach of children, preferably in a locked storage container. Care should be taken to avoid skin and eye contact. In case of skin contact, wash exposed areas thoroughly with soap and water. In case of eye contact, flush immediately with large volumes of clean water for at least 15 minutes. If irritation persists, consult a physician or call the Monsanto emergency number (314) 694-4000.
- Q.** Will residues of Roundup be detected in milk or meat if cattle have grazed in recently treated areas?
- A.** ~~No residues were found in the milk or meat of lactating cows fed glyphosate, other than at levels which were practically non-detectable.~~ The majority of the fed material was excreted unchanged, ~~indicating little metabolic activity upon the chemical within the gastro-intestinal tract.~~ The study indicates that there is essentially no chance of glyphosate appearing in the milk or meat of cows, in other than insignificant amounts, following ingestion of treated forage. Such insignificant amounts pose absolutely no hazard to the consumer.

ENVIRONMENTAL IMPACT

- Q.** How toxic is Roundup to fish and other wildlife?
- A.** Roundup and glyphosate have been tested on a variety of fish and aquatic organisms. Field studies with Roundup indicate that application of up to 100 times the use concentration does not adversely affect the behavior or survival of rainbow trout and water fleas. In laboratory studies, using undiluted Roundup, toxicity ranged from practically non-toxic to moderately toxic. This range of toxicity reflects differences in the sensitivity of the aquatic species tested, as well as differences in the study design and the age of the organism being tested. Toxicity studies conducted on quail and mallard ducks show the toxic dose for these birds to be similar to that observed for laboratory rats. Toxicity rates, extrapolated from laboratory rat studies, and residue results, obtained from use application forage residue tests, may be used to estimate forage ingestion levels required to induce a toxic effect in grazing animals. When the rates for Roundup are used in this manner a worst case estimate would mean that a grazing animal would have to eat nearly 2½ times its body weight in one feeding to obtain a lethal dose.

Q. Will Roundup bioaccumulate in fish or other wildlife?

A. Laboratory studies with glyphosate on several different varieties of fish clearly establishes the fact that glyphosate does not bioaccumulate in fish. It required 10-14 days of constant exposure to 3 to 4 times the normal use levels of glyphosate before a maximum residual level of 0.1-0.3 ppm was achieved. This level was well below the exposure level of 10.0 ppm in the water. To further show that bioconcentration was not occurring, the exposed fish virtually completely eliminated all traces of glyphosate residue once they were placed in clean water or water containing lower levels of the material.

Studies in quail and rats using radio-labeled 14-C glyphosate resulted in little to no material being found in the edible portions of the quail or in the tissues of the rodents. A rapid and virtually complete depletion of any remaining residues was observed following withdrawal of glyphosate from the diet of the test animals. In summary, the lack of appreciable retention and the rapid elimination of glyphosate shown in these studies, indicates that bioaccumulation in the food chain will not occur.

Q. How far will Roundup drift following aerial applications?

A. The degree to which any herbicide will drift during aerial application operations is a function of many inter-related factors including droplet size, wind currents, temperature, thermal inversions, nozzle structure and placement, and physical factors of the aircraft and its operation. Drift problems resulting from aerial applications of Roundup may be avoided by taking the appropriate precautions, as stated on the label. Due to its extremely low volatility (negligible vapor pressure) Roundup has less of a tendency to drift than materials which do not possess such physical characteristics.

Q. What is the length of time that Roundup will persist in the soil and water following forestry applications?

A. Studies conducted at a forestry site in the Pacific Northwest indicated that the majority of the aerially applied Roundup was intercepted by the forest foliage. Exposed soil samples, taken immediately after application, showed negligible residues of glyphosate. Results of stream water and sediment studies indicate that no appreciable run-off of glyphosate occurred.

Streams, purposely sprayed in this study, showed an initial concentration of 0.27 ppm. This initial level in water decreased very rapidly, and by the fourth day was below detectable limits.

Q. What happens to Roundup when heavy rains erode treated soil into streams?

A. Roundup remains tightly bound to the soil particles which eventually become part of the bottom sediment in the stream. Microorganisms will continue to degrade the glyphosate in the water, breaking it down to carbon dioxide, water, nitrogen and phosphorus products. Since Roundup remains tightly bound to soil particles in the bottom sediment, there is little chance of it being ingested by humans or fish.

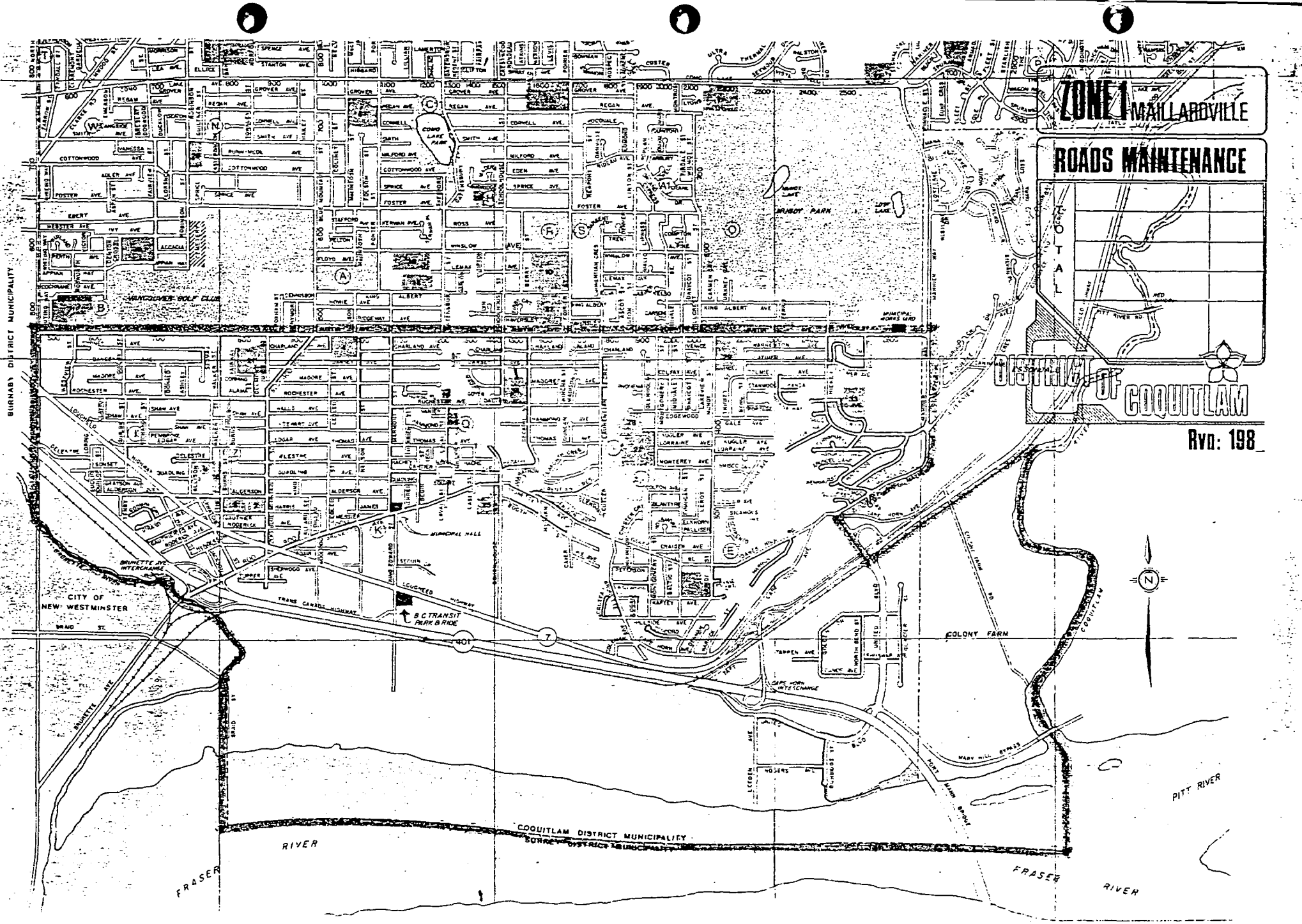
Q. How is Roundup degraded and what are the breakdown materials?

A. Roundup breaks down very rapidly in the environment. Glyphosate biodegrades in soil and water through the action of microorganisms. These microorganisms are not adversely affected by this process. Glyphosate degrades into harmless natural components — carbon dioxide, water, nitrogen and phosphates. The average half life of Roundup in soil is less than 60 days and 90 per cent of the glyphosate is degraded into these natural components in less than 6 months.

Monsanto

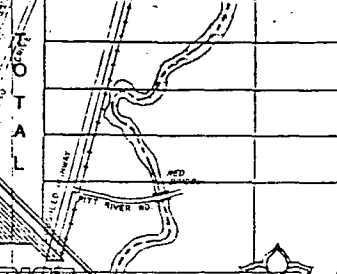
Streetsville P.O. Box 787
Mississauga, Ontario
L5M 2G4

Roundup[®] is a registered trademark of Monsanto Canada Inc.



ZONE 1 MAIL ARDVILLE

ROADS MAINTENANCE



DISTRICT OF COQUITLAM

Rvd: 198



BIRNABY DISTRICT MUNICIPALITY

COQUITLAM DISTRICT MUNICIPALITY

CITY OF NEW WESTMINSTER

FRASER RIVER

RIVER

FRASER RIVER

RIVER

PITT RIVER

COLONY FARM

GARIBOLDI

LOGAN

FRASER CANAL HIGHWAY

BRUNETTE

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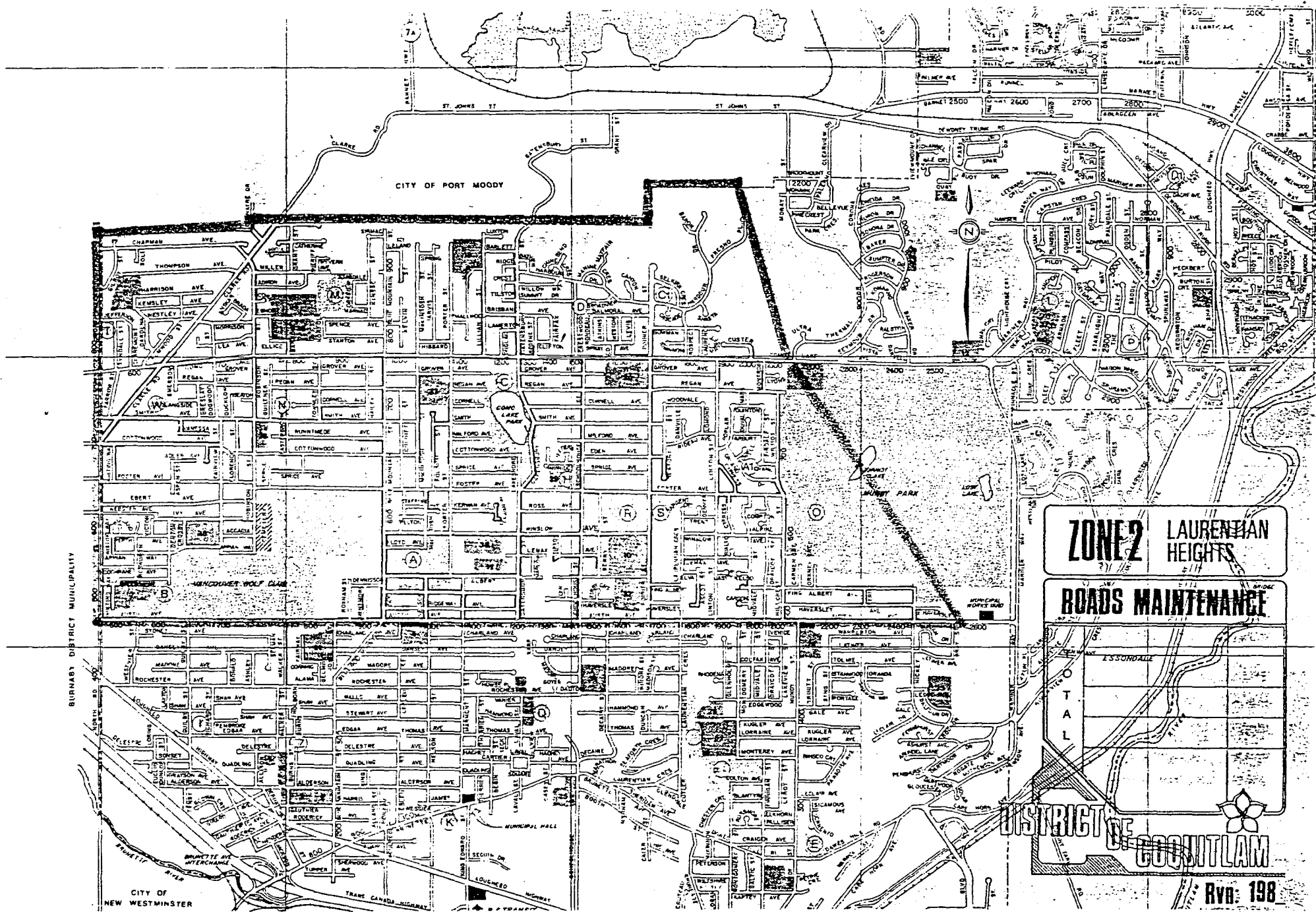
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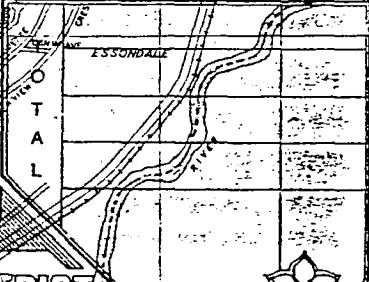
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ZONE 2 LAURENTIAN HEIGHTS

ROADS MAINTENANCE

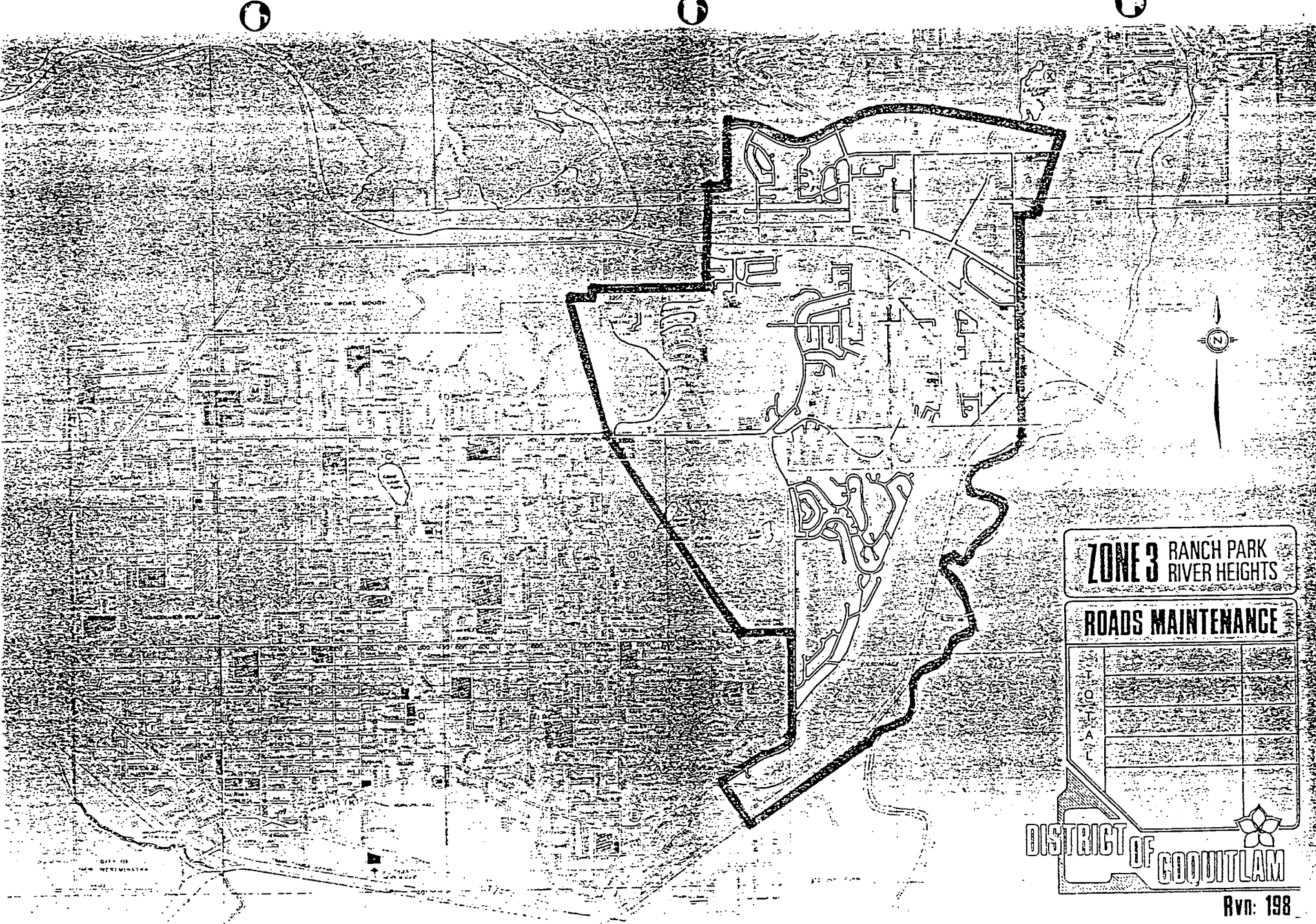


DISTRICT OF COQUITLAM

Rvr: 198

BURNABY DISTRICT MUNICIPALITY

CITY OF NEW WESTMINSTER



ZONE 3 RANCH PARK
RIVER HEIGHTS

ROADS MAINTENANCE

TOTAL		

DISTRICT OF COQUITLAM 

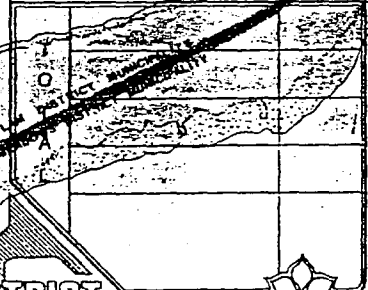
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TO BURKE MOUNTAIN PARK-SKIING



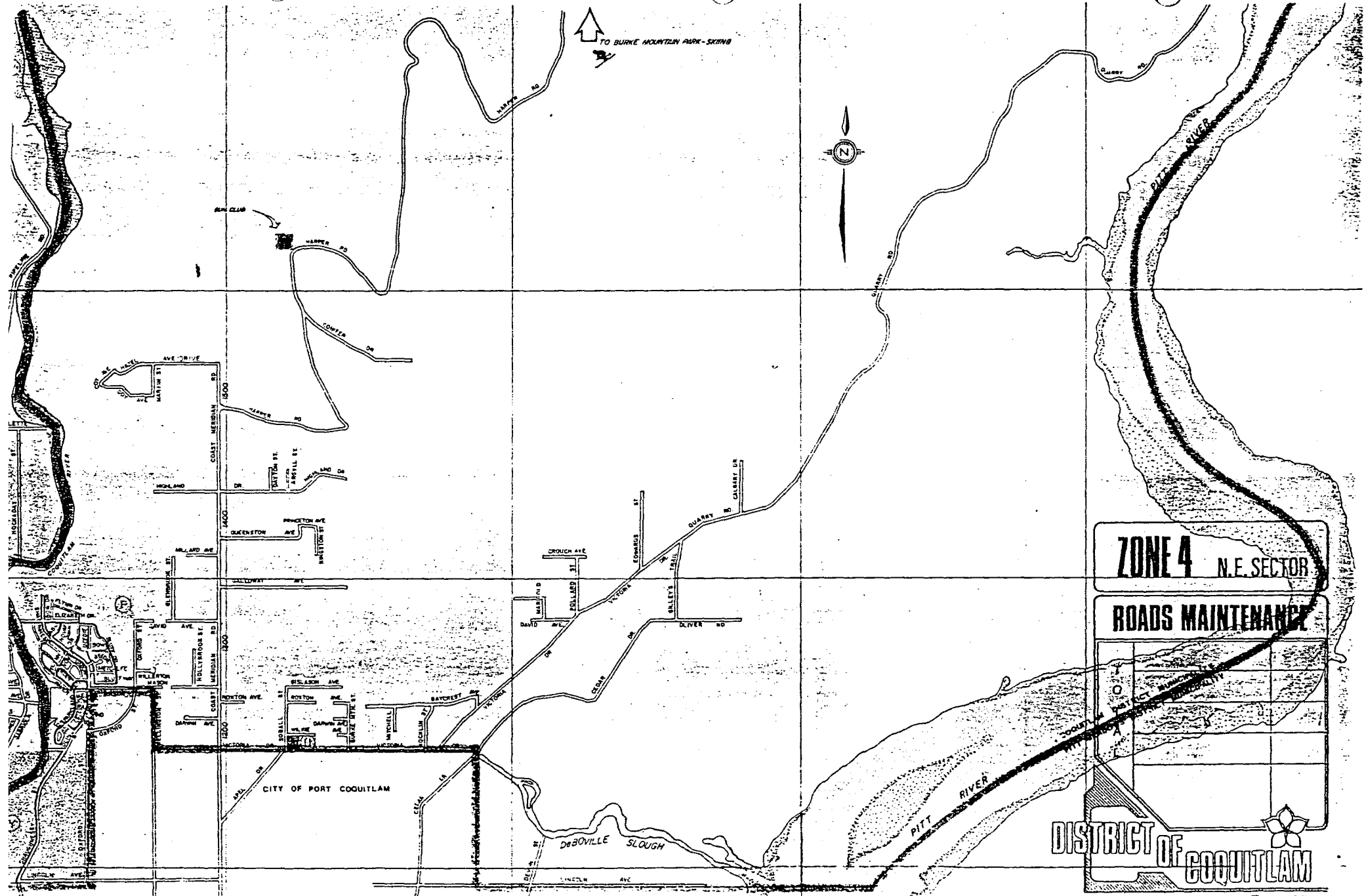
ZONE 4 N.E. SECTOR

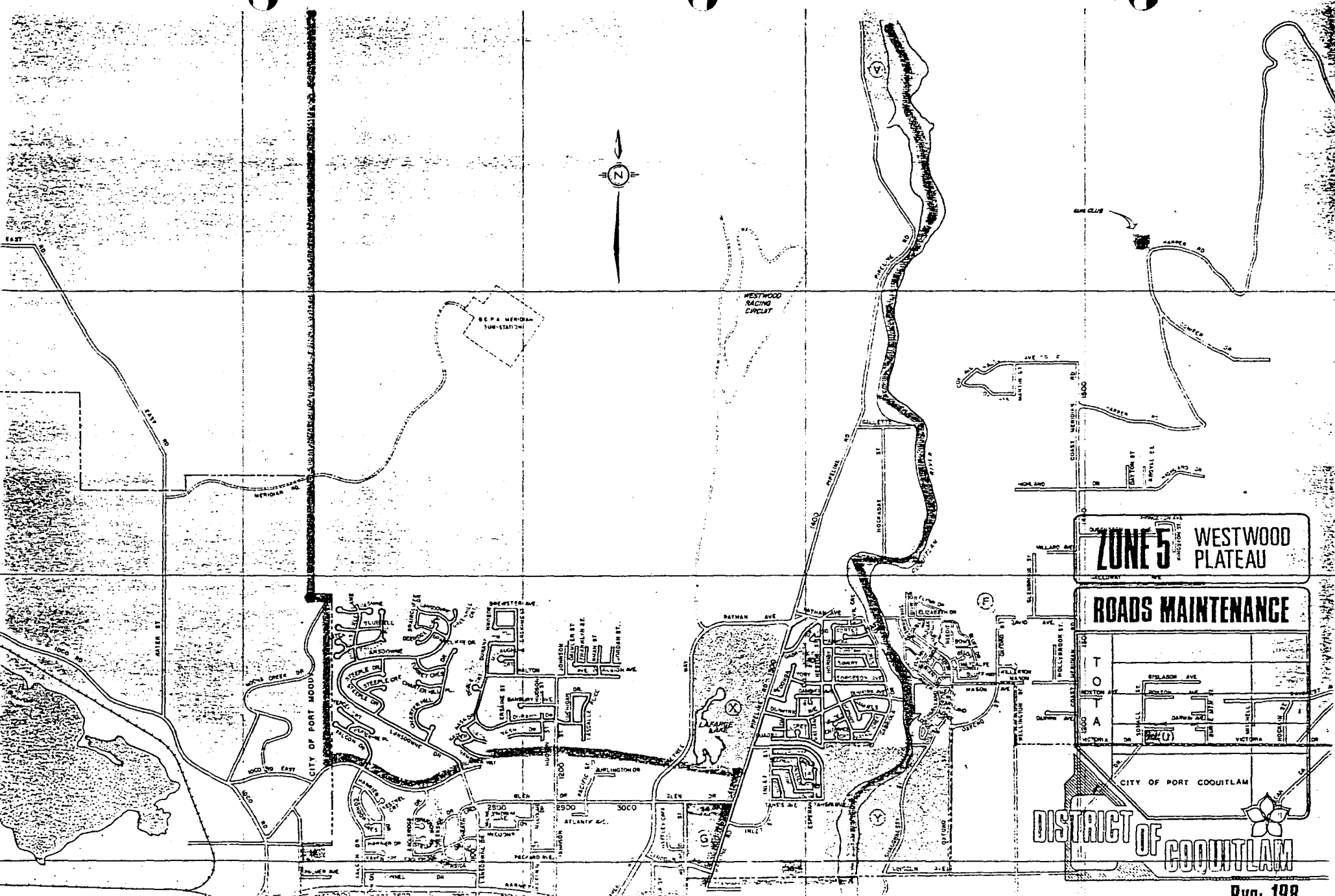
ROADS MAINTENANCE



DISTRICT OF COQUITLAM

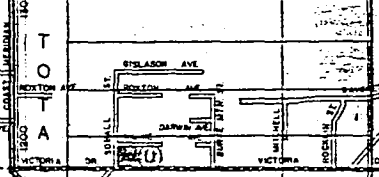
Rev: 199





ZONE 5 WESTWOOD PLATEAU

ROADS MAINTENANCE



DISTRICT OF COQUITLAM

Thursday, April 2, 1987
Finance and Audit Committee

FINANCE AND AUDIT COMMITTEE

A meeting of the Finance and Audit Committee of Council convened in the Council Chambers of the Municipal Hall, 1111 Brunette Avenue, Coquitlam, B.C. at 3:00 p.m. on April 3, 1987 will all members of Council present.

Also present were the Municipal Manager, Municipal Treasurer, Municipal Solicitor, Director of Planning, Municipal Engineer, Fire Chief, former Fire Chief Derek Jackson, Parks and Recreation Director, Mr. R. Munro, Personnel Officer and the Municipal Clerk.

The purpose of the meeting was to give consideration to the contents of the 1987 Annual Budget.

1987 Operating Surplus

The Municipal Manager advised Council that the 1986 operations of the Municipality had produced a surplus of \$459,000.00 and that direction was being requested as to how these funds should be dealt with in the 1987 Budget.

Reserve Fund - Assessment Appeal Board Decisions

The Municipal Manager indicated to Council that the existing reserve funds to provide for possible adverse decisions of the Assessment Appeal Board should be bolstered by an additional \$200,000.00 in order that the Municipality would be fully protected were all appeals to be successful by the appellants.

MOVED BY ALDERMAN REID
SECONDED BY ALDERMAN OHIRKO

That an additional \$200,000.00 be allocated in the 1987 Annual Budget towards the Reserve Account for purposes of funding any adverse Assessment Appeal Court decisions.

CARRIED UNANIMOUSLY

Report of Municipal Engineer -
Advance Approval for Purchase of Project Control Work Station.

The Municipal Engineer submitted a report dated April 1, 1987 entitled "Request for Advance Approval Project Control Work Station Account 529 200-005" a copy of which is attached and forms a part of these minutes.

MOVED BY ALDERMAN PARKER
SECONDED BY ALDERMAN OHIRKO

That Council give approval in advance of the Budget Bylaw, to purchase a Sperry based work station including CPU, printer, monitor and software, as provided for in account 529 200 005 in the amount of \$11,500.00.

CARRIED UNANIMOUSLY

Servicing of Mackin Park Fieldhouse

The Municipal Engineer advised Council that additional funds were required to be included in the 1987 Annual Budget to cover the costs of completing the Mackin Park Fieldhouse sanitary sewer connection and parking lot in order that the required work could be completed by June of 1987.

MOVED BY ALDERMAN OHIRKO
SECONDED BY ALDERMAN MITCHUK

That Council authorize a total expenditure of \$56,890.73 to be included in the 1987 Annual Budget to cover the cost of the sewer connection and parking lot pavement for the Mackin Park Fieldhouse.

CARRIED UNANIMOUSLY

Rich Hansen - Man In Motion Tour

The Municipal Engineer presented a report to the Committee entitled "Budget Revision Request, Account No. 232 690-021 Rick Hansen - Man In Motion Tour", a copy of which is attached hereto and forms a part of these minutes.

MOVED BY ALDERMAN OHIRKO
SECONDED BY ALDERMAN MITCHUK

That the Special event Traffic Control Account No. 232 690-021 be revised to \$1040.00 to provide adequate traffic control measures during the "Rick Hansen - Man In Motion Tour" in Coquitlam.

CARRIED UNANIMOUSLY

Alderman LeClair joined the meeting at this point - 3:58 p.m.

Budget Revision Request - Water Utility

The Municipal Engineer submitted a report entitled "Budget Revision Request - 994 000 012 and 994 000 014, a copy of which is attached hereto and forms a part of these minutes.

MOVED BY ALDERMAN REID
SECONDED BY ALDERMAN OHIRKO

That the Water Utility Account be amended to reflect the revisions as set out in the report of the Municipal Engineer dated 1987 04 02.

CARRIED UNANIMOUSLY

Vandal Watch - Payment of Mileage Accounts

The Municipal Manager advised Council of a letter from the City of Port Coquitlam in which they advised that they do not agree to the payment of mileage costs to members of the Vandal Watch Programme. A copy of that letter is attached and forms a part of these minutes.

Council were of the opinion that the Coquitlam contribution should remain in the Budget with payment of mileage being directed to Vandal Watch members carrying out duties within the boundaries of Coquitlam.

Alderman Robinson joined the meeting at this time - 4:40 p.m.

Report of Municipal Engineer - Pipeline Road

The Municipal Engineer reported to Council that a portion of Pipeline Road in the 1400 block has deteriorated and is in need of repairs. He indicated that no funds are available in the Budget at this time for such repair work unless Council were of the opinion that other road works be delayed in favour of Pipeline Road.

Council indicated they would not favour a diversion of funds, however, should Provincial Legislation be altered to allow the charging of royalties on gravel removal the matter should be brought before Council for further consideration.

Balance of Unallocated 1987 Revenue Surplus

The Committee discussed how the balance of \$249,000.00 from the 1986 Revenue Surplus should be used with several ideas being expressed by Council members.

MOVED BY ALDERMAN OHIRKO
SECONDED BY ALDERMAN PARKER

That further debate related to expenditure of the \$249,000.00 be deferred for discussion at the April 13, 1987 Council Meeting.

CARRIED

Mayor Sekora, Alderman Mitchuk and Alderman Robinson registered opposition.

Adjournment

MOVED BY ALDERMAN OHIRKO
SECONDED BY ALDERMAN MITCHUK

That the Finance and Audit Committee meeting adjourn. 7:08 p.m.

CARRIED UNANIMOUSLY

CHAIRMAN

DISTRICT OF COQUITLAM

Inter-Office Communication

TO: J.L.Tonn, Municipal Manager DEPARTMENT: Administration DATE: 1987 April 01
FROM: Neil Nyberg DEPARTMENT: Engineering YOUR FILE:
SUBJECT: REQUEST FOR ADVANCE APPROVAL PROJECT OUR FILE: 05 02 87/32
CONTROL WORK STATION ACCOUNT 529200-005

FOR COUNCIL

1.00 BACKGROUND

1.01 On 1987 March 30, the Assistant Chief Building Inspector, Mr. Camporese, reported for work. His immediate assignment is to grapple with the flood of small and large building projects which are funded...but not organized for implementation. The immediate goals are:

- . to create project management data files for each building project;
- . to establish implementation schedules and checkpoints;
- . to put improved cost controls in place and thereby reduce the potential for overruns and under-accomplishments.

1.02 The main obstacle to planning the projects before mid-summer is the lack of computer time on existing work stations. Engineering work stations are jammed with the civil engineering work program for 1987, leaving no accessibility for building related projects. Since a lead time of several months is normal for acquiring our standard pattern 640 k Sperry Work Station, we clearly need a 'jump' on ordering the equipment if we are to make effective use of the project control system in 1987.

2.00 RECOMMENDATION

2.01 That Council give approval in advance of the Budget Bylaw, to the purchase of a Sperry based work station including CPU, printer, monitor and software, as provided for in account 529200-005 in the amount of \$11,500.

Neil Nyberg

Neil Nyberg, P. Eng.
Municipal Engineer

NWN/mw

DISTRICT OF COQUITLAM
1987 A. BUDGET
GENERAL CAPITAL FUND - EXPENDITURES

ENGINEERING SERVICES DIVISION

	1985 Actual		1986 Annual Budget Amendment		1987 Annual Budget		Increase (Decrease)				Assumptions, Explanations and Calculation.	
							1987 Annual to 1986 Amendment		Other			
	Revenue	Other	Revenue	Other	Revenue	Other	Revenue	%	Other	%		
ENGINEERING SERVICES DIVISION - 532212												
532212-000 Engineering Services - Capital Acquisitions and Replacements												
1985 Acquisitions	7,460	11,338(E)	-	-	-	-	-	-	-	-	-	
1986 Acquisitions and Replacements	-	-	2,279	400(E)	0	0	(2,279)	(100)	(400)	(100)		
1987 Acquisitions and Replacements												
-006 Replacement Office Chair	-	-	0	0	0	250(E)	0	0	250			
-007 Replacement Calculator	-	-	0	0	0	90(E)	0	0	90			
-008 Superset Telephone: Assistant Municipal Engineer	-	-	0	0	750	0	750		0	0		
Subtotal: Engineering Services - Capital Acquisitions and Replacements	<u>7,460</u>	<u>11,338(E)</u>	<u>2,279</u>	<u>400(E)</u>	<u>750</u>	<u>340(E)</u>	<u>(1,529)</u>	<u>(58)</u>	<u>(60)</u>	<u>(15)</u>		
529200-000 Capital Acquisitions and Replacements												
1985 Acquisitions and Replacements	2,232	8,186(E)	-	-	-	-	-	-	-	-		
1986 Acquisitions and Replacements	-	-	950	0	0	0	(950)	(100)	0	0		
1987 Acquisitions and Replacements												
-005 Work Station: Building/ Plumbing/Gas Permit: 640K CPU Terminal, Math coprocessor, software	-	-	0	0	11,500	0	0	0	0	11,500		
Subtotal: Inspection and Licence - Capital Acquisitions and Replacements	<u>2,232</u>	<u>8,186(E)</u>	<u>950</u>	<u>0</u>	<u>11,500</u>	<u>0</u>	<u>(950)</u>	<u>(100)</u>	<u>11,500</u>			
TOTAL: ENGINEERING SERVICES DIVISION	<u>9,692</u>	<u>19,524(E)</u>	<u>3,229</u>	<u>400</u>	<u>12,250</u>	<u>340</u>	<u>9,021</u>	<u>279</u>	<u>(60)</u>	<u>(15)</u>		

Source of Funds:

(E) Furniture Equip.
Reserve 5340

9

DISTRICT OF COQUITLAM

Inter-Office Communication

TO: J. L. Tonn DEPARTMENT: Administration DATE: 87 Apr. 02
FROM: Neil Nyberg DEPARTMENT: Engineering YOUR FILE:
SUBJECT: BUDGET REVISION REQUEST, ACCT. #232690-021 OUR FILE: 09 03 07
RICK HANSEN - MAN IN MOTION TOUR

FOR FINANCIAL AND AUDIT COMMITTEE

1.00 BACKGROUND

- 1.01 The 'Rick Hansen - Man in Motion Tour' is coming to Coquitlam on 1987 May 22. The selected route of the tour in Coquitlam is: westbound on Lougheed/Barnet; southbound on Thermal Drive; westbound on Como Lake Avenue; southbound on Poirier Street; stop at Centennial Sports Field; south on Poirier Street; and westbound on Austin Avenue to North Road.
- 1.02 Traffic control for this event will be provided by the R.C.M.P., however, some temporary traffic controls will be needed and will require the efforts of the Engineering Department.
- 1.03 This memo requests an upward revision to the 'Special Event Traffic Control' account.

2.00 DISCUSSION

- 2.01 To provide proper traffic control during this event, the Engineering Department will be required to establish temporary parking prohibition along portions of Como Lake Avenue and Austin Avenue and temporarily change parking restrictions on Poirier Street. The Coquitlam R.C.M.P. will be providing traffic control on the remainder of the route.
- 2.02 To install and remove these temporary traffic controls will require the following expenditures:

a. Materials:

Cardboard 'No Parking' signs,	200 x \$1.50 = \$300.00
Burlap bags,	500 x \$1.00 = 50.00

b. Equipment:

3/4 tonne pick-up truck,	\$5/h x 10 h = 50.00
Wooden barriers,	6 x \$5.00 = 30.00

c. Labour

2 men,	\$18/h x 10 h = <u>360.00</u>
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TRAFFIC CONTROL TOTAL

\$790.00

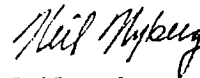
BUDGET REVISION REQUEST, ACCT. #232690-021
RICK HANSEN - MAN IN MOTION TOUR
1987 Apr. 02

PAGE 2

2.03 In addition, the selected route will require street sweeping to provide safer and smooth journey for Mr. Hansen. The estimated cost of sweeping the route is \$250.00.

3.00 RECOMMENDATIONS

3.01 That the Special Events Traffic Control Account #232690-021 be revised to \$1,040.00 to provide adequate traffic control measures during the 'Rick Hansen - Man in Motion Tour' in Coquitlam.



Neil Nyberg, P. Eng.
Municipal Engineer

TPM: LJS/0096

DISTRICT OF COQUITLAM

Inter-Office Communication

TO: J. L. TONN DEPARTMENT: Legal DATE: 1987 04 02
FROM: NEIL NYBERG DEPARTMENT: Engineering YOUR FILE:
SUBJECT: BUDGET REVISION REQUEST OUR FILE: 05 02 87/19
994 000 012
994 000 014

FOR: FINANCE AND AUDIT COMMITTEE

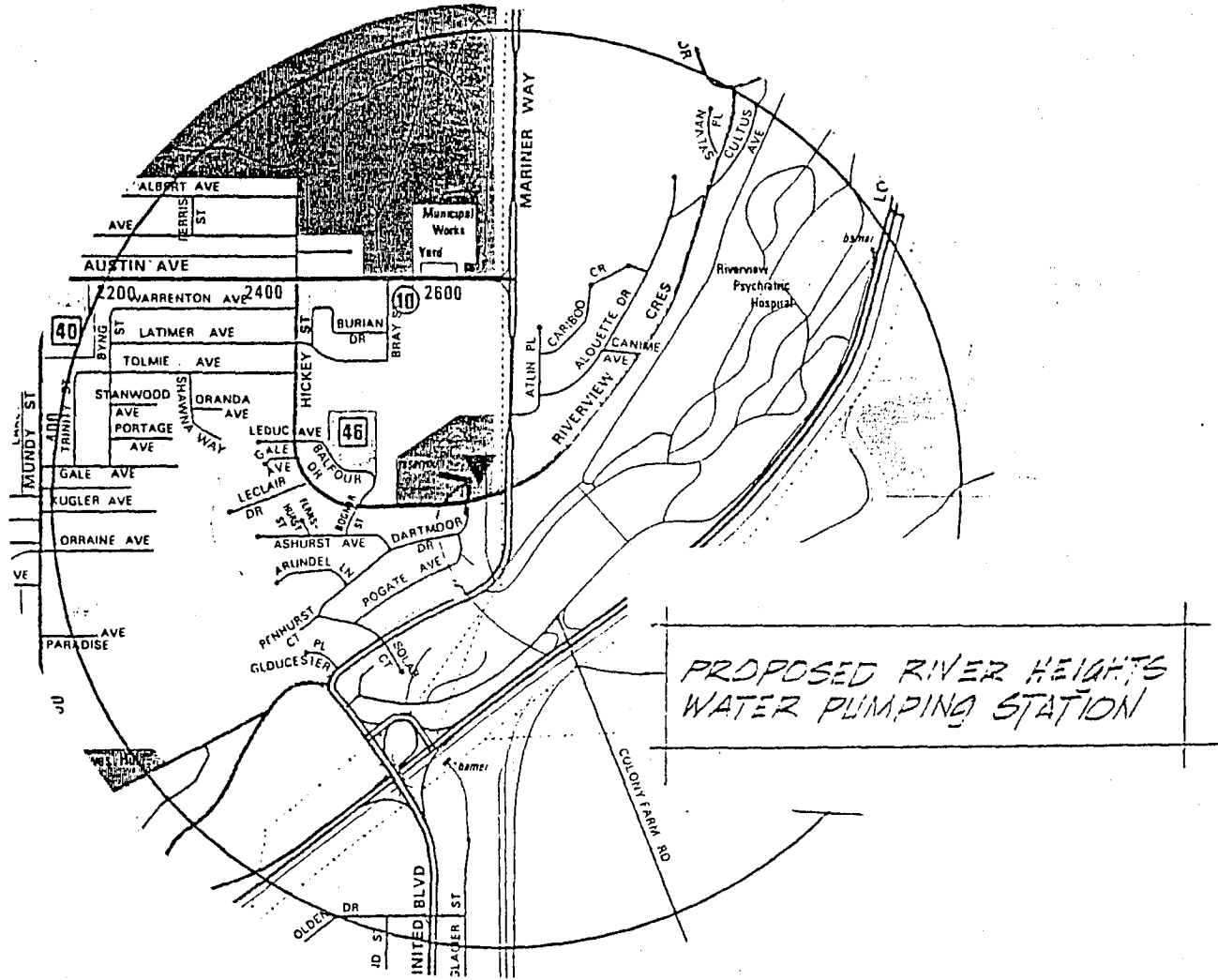
- 1.01 The Oxford Heights Pump Station and River Heights Pump Station have been analyzed by consulting engineers as to design and cost. This estimate will form the basis for any loan authorization By-law submitted to the Ministry of Municipal Affairs. Part of the By-law submission includes the budget provision in the current year.
- 1.02 There are generally three cost estimates for any major project: the pre-engineering cost estimate; the engineer's estimated cost; and the estimated contract cost after tenders have been analyzed and awarded. Each subsequent estimate is more accurate than the last.
- 1.03 Budget submissions are commonly prepared on the basis of pre-engineering estimates, or rough estimates of cost based on similar installations. Specific site and design details remain undiscovered until the work of engineering design has begun. Some preliminary engineering for both installations has now been completed, so it is recommended that the annual budget provisions be modified, as follows:

				1987 Annual Budget	
				original submission	revision
994	000	012	Oxford Heights Pump Station	165,000	222,900
994	000	014	River Heights Pump Station	600,000	854,500

Neil Nyberg
Neil Nyberg, P.Eng.
Municipal Engineer

NN/ms

PROPOSED RIVER HEIGHTS
PUMPING STATION LOCATION



*PROPOSED RIVER HEIGHTS
WATER PUMPING STATION*


SITE PLAN

DISTRICT OF COQUITLAM
 LOAN AUTHORIZATION BYLAW
RIVER HEIGHTS WATER PUMPING STATION

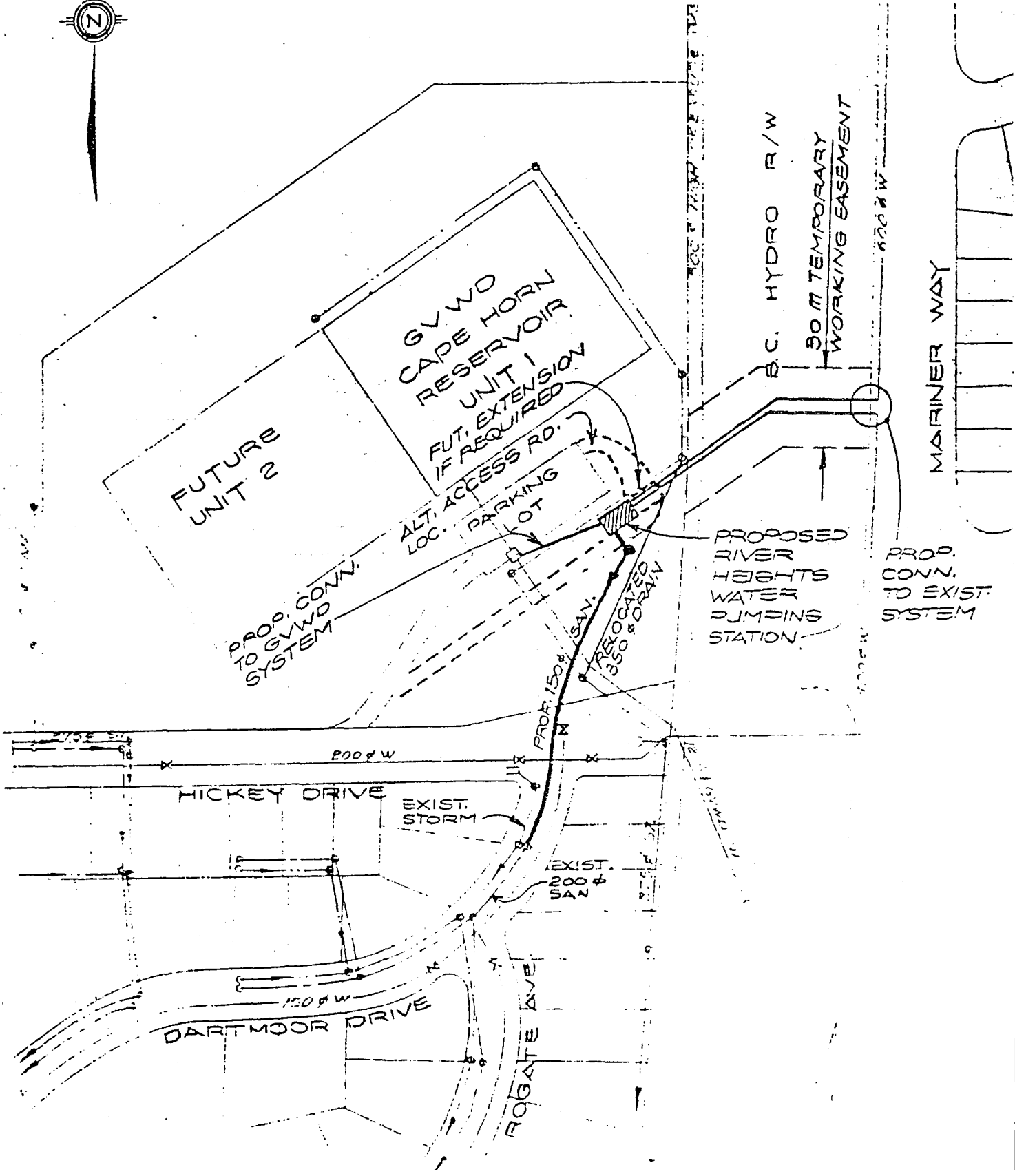
(Option II-VTP)

	<u>Description</u>	<u>Amount</u>
(I)	<u>CONSTRUCTION</u>	
	o Building (Architectural and concrete)	\$ 96,000
	o Zone 2 Pumps	56,000
	o Zone 3 Pumps	120,000
	o Piping and Valves	67,000
	o Instrumentation & Flow Meter	25,000
	o Electrical (including Hydro Connection)	65,000
	o Sub-Station	40,000
	o Remote Control and Alarm (Stage I)	25,000
	o Emergency Generator and Room	125,000
	o Paving of Site Work	15,000
	o Suction Line	25,000
	o Discharge Lines	64,000
	Sub-Total	\$ 723,000
	Less Use of Existing Cape Horn Pumps in Zone 2 (net)	-30,000
	Construction Contingency	44,000
	Sub-Total I	\$ 737,000
(II)	<u>ENGINEERING</u>	
	o Design	\$ 25,650
	o General Services during Construction	7,500
	o Some Guidance to Coquitlam for Resident Engineering Services	10,000
	o Documentation and Record Drawings	2,000
	o Startup	1,000
	Sub-Total II	\$ 46,150
(III)	Add 15% Project Contingency for I and II	\$ 117,500
	TOTAL (I, II and III)	\$ 900,650

- NOTES: 1. Total amount does not include legal survey, land acquisition and right-of-ways.
2. Class B Estimate

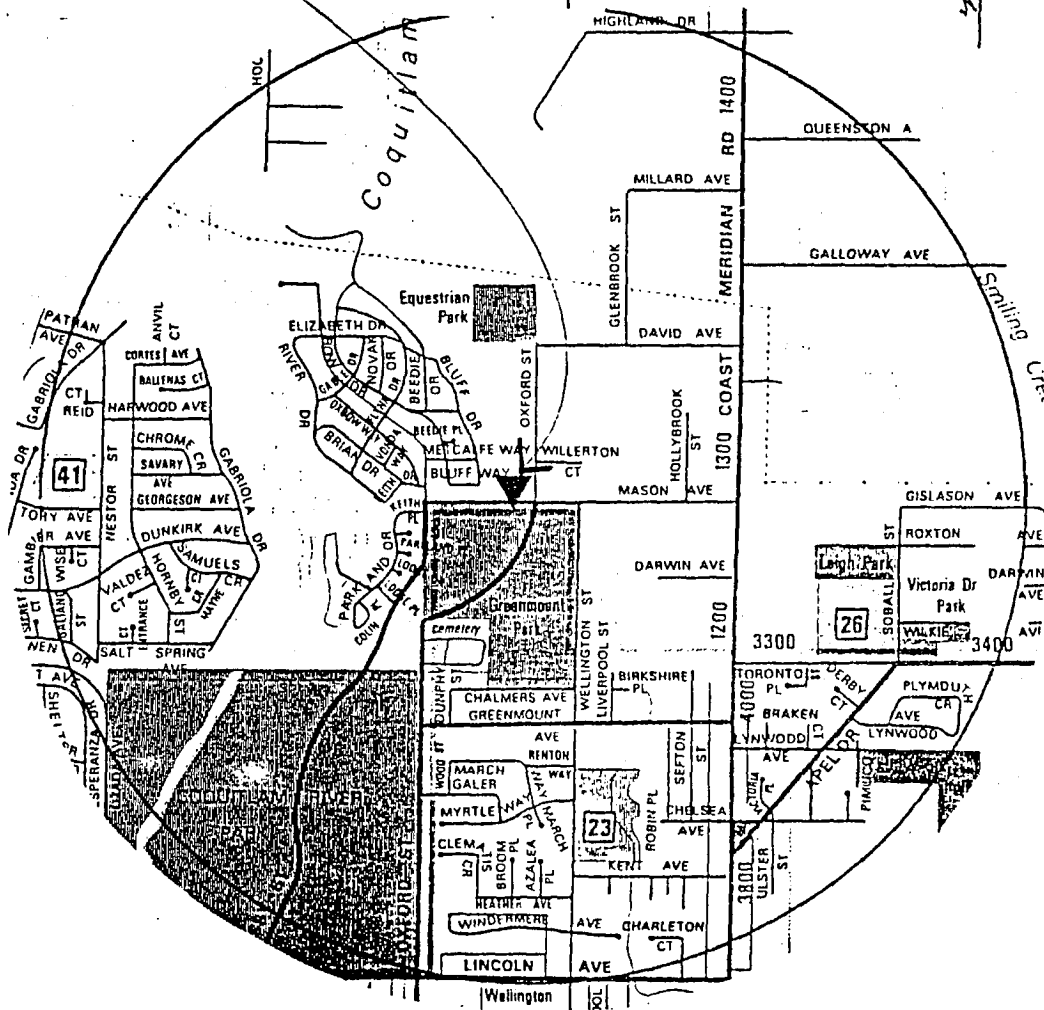

 Agris Berzins
 DAYTON & KNIGHT LTD.

SITE PLAN
PROPOSED RIVER HEIGHTS PUMPING STATION



PROPOSED OXFORD HEIGHTS PUMPING STATION LOCATION

PROPOSED OXFORD HEIGHTS WATER PUMPING STATION



SITE PLAN



Stanley Associates Engineering Ltd.
 Suite 307, 1847 West Broadway
 Vancouver, B.C. V6J 1Y6
 Phone (604) 734-2024 Telex 04-53283

20 March 1987
 94-163-01-01

DISTRICT OF COQUITLAM
 1111 Brunette Ave.
 Coquitlam, B.C.
 V3K 1E9

ATTENTION: Mr. A.J. Edwards, P.Eng.
Assistant Municipal Engineer

Dear Sir:

REFERENCE: Oxford Heights Pump Station
Certified Cost Estimate

Further to our recent discussions, we have prepared cost estimates for the Oxford Heights Pump Station. Based on two variable speed pumps (one duty and one stand-by) to handle the anticipated year 2006 demand, the estimated costs are as follows:

A) CONSTRUCTION COST

Description

Building Structure	\$ 29,700
Pump Package and Controls	93,100
Heating, Lighting and Ventilation	13,800
Misc. Piping & Connections to Existing Main	8,400
Site Access and Drainage	9,500
Landscaping and Fencing	5,000
Pressure Reducing Valve at David Station	18,000
Sub-Total	<u>\$177,500</u>

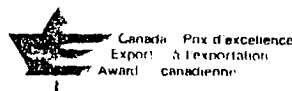
B) B.C. HYDRO COST TO EXTEND 3 PHASE POWER \$ 12,000

C) ENGINEERING FEES

Detailed Design	\$ 21,040
Site Inspections (1 day/wk. for 12 wks.)	6,300
As-Built Drawings	1,560
Operation Conditions & Emergency Procedures Manual	1,800
Commissioning & Startup	2,500
Sub-Total	<u>\$ 33,200</u>

Sub-Total "A" + "B" + "C" \$222,700
 + 15% Contingency 33,400

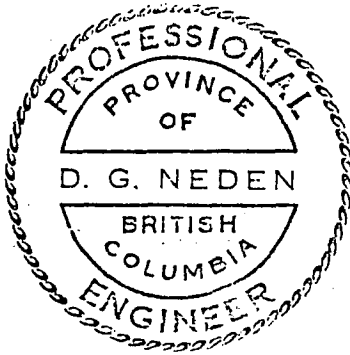
TOTAL \$256,100





- 2 -

We trust this certified cost estimate is as you require. If you have any questions, please contact the writer.



Yours very truly,

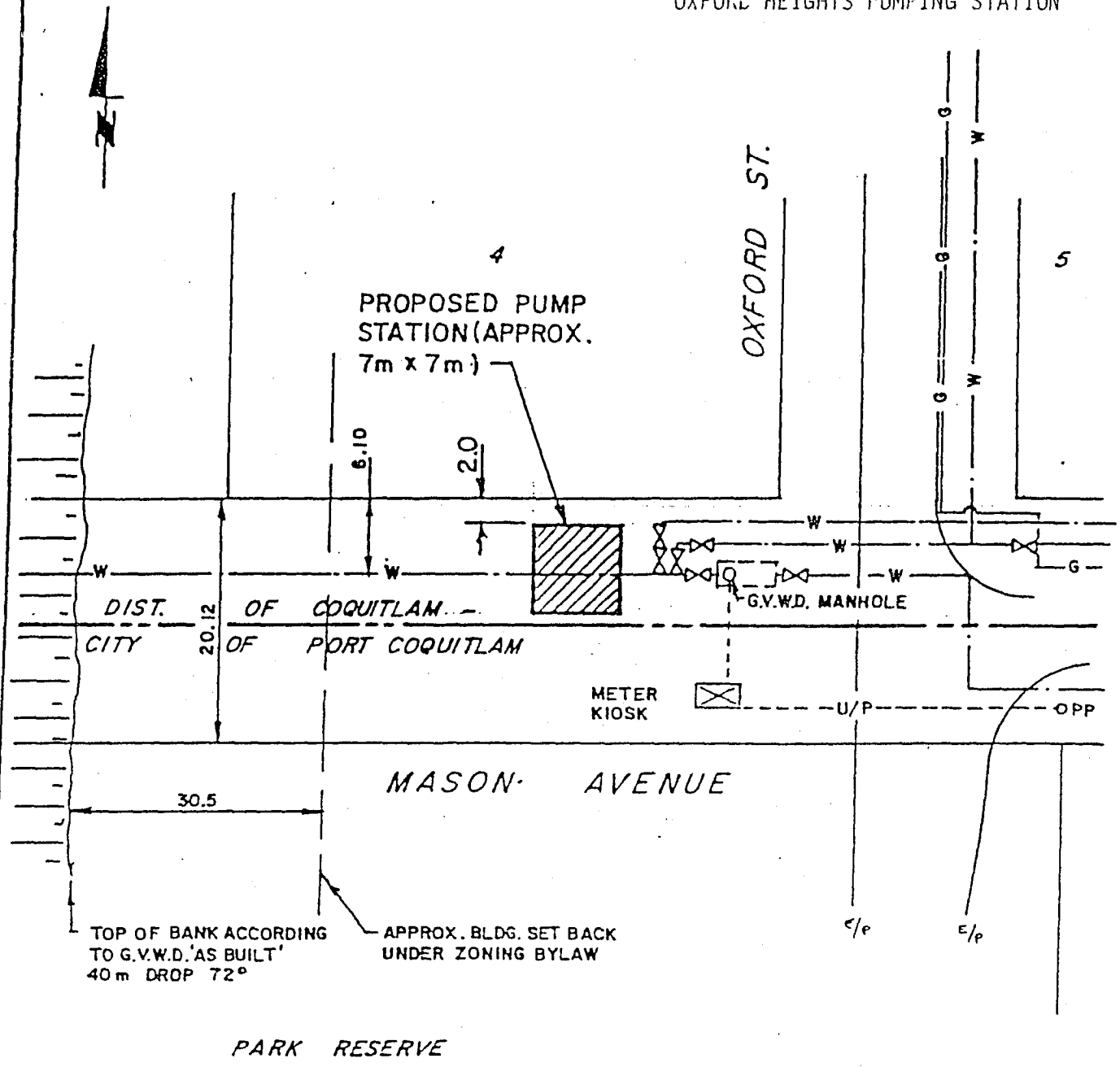
STANLEY ASSOCIATES ENGINEERING LTD.


A handwritten signature in cursive script, appearing to read 'D. G. Neden'.

D.G. Neden, P.Eng.
Vancouver Branch Manager

DGN:dma
CORR04/gg

PROPOSED LAYOUT
OXFORD HEIGHTS PUMPING STATION



 <p>Stanley STANLEY ASSOCIATES ENGINEERING LTD.</p>	DESIGNED BY	D. N.	DATE DRAWN	02-02-87	REVISION
	DRAWN BY	B.H.P.	SCALE	1:500	DRAWING N°
	CHECKED BY		JOB N°	94-168-1-1	P-1



THE CORPORATION OF THE CITY OF PORT COQUITLAM

2272 McALLISTER AVENUE
PORT COQUITLAM, B.C.
V3C 2A8

TELEPHONE: 941-5411

OUR FILE

March 24, 1987

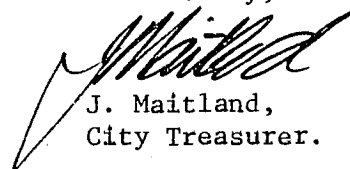
The District of Coquitlam,
1111 Brunette Avenue,
Coquitlam, B.C.
V3K 1E9

Attention: Mr. T. Klassen

Dear Sirs:

City Council at their March 23rd budget meeting discussed the proposal to pay mileage costs to the members of the vandal watch program and unanimously rejected the proposal. Council's main concern is not the \$780 requested, it is the idea of compensating volunteers which Council objects to. Council finds this contrary to the concept of volunteerism and is concerned that if paid will lead to much greater costs throughout our budget as many of our functions depend greatly on volunteers.

Yours truly,


J. Maitland,
City Treasurer.

JM/ms

c.c. Mayor L. Traboulay
B. Kirk, City Administrator

MAR 26 1987

CITY OF PORT COQUITLAM