

Re: CENTRAL ADMINISTRATIVE AREA  
RELOCATION OF B.C. TEL OVERHEAD LINES ON  
CANADA WAY BETWEEN NORLAND AND KENSINGTON AVENUES

Following is a report from the Director of Planning regarding overhead lines on a section of Canada Way.

With respect to the second recommendation, the Capital Improvement Program Contingency fund currently stands at \$200,000.00. The recommended transfer will leave a balance of \$133,900.00 in the fund for other purposes.

RECOMMENDATIONS:

1. THAT Council approve Municipal financing of the Phase I undergrounding of telephone lines between Ledger Avenue and Kensington by 1/3 cost sharing under the terms of the Provincial Government's Power and Telephone Beautification Fund as more specifically outlined in the Director of Planning's report; and
2. THAT \$66,090.00 be transferred from the 1978 Capital Improvement Program Contingency Fund to the Municipal Special Roads Account in order to fund the Phase I undergrounding project during 1978.

\* \* \* \* \*

1978 MAY 03  
PLANNING DEPT.

TO: MUNICIPAL MANAGER  
FROM: DIRECTOR OF PLANNING  
RE: CENTRAL ADMINISTRATIVE AREA  
RELOCATION OF B.C. TEL OVERHEAD LINES ON  
CANADA WAY BETWEEN NORLAND AND KENSINGTON AVENUES

1.0 Background:

- 1.1 Council's adopted Plan for the Central Administrative Area calls for quality moderately scaled development in a park-like setting on both sides of Canada Way. Since the Plan was adopted, several office developments have been constructed together with additions and improvements to the adjacent Municipal Centre.
- 1.2 Consistent with Council's desire for quality development, a condition of Rezoning #29/73 (an office-campus development known as Deer Lake Centre, now owned by Marathon Realty) was agreement to pay their share of the cost of undergrounding the existing B.C. Tel Trunk Line on Canada Way fronting their property between Norland and Ledger Avenues.
- 1.3 Now that construction on Phase 1 is underway, Marathon is prepared to meet their commitment under the provision of the Provincial Government's Bill 21, known as the Power and Telephone Line Beautification Program. Under the Act, a municipality and a public utility such as B.C. Hydro and B.C. Tel, together with the Province, may agree to share equally in the cost of underground installation of power, telephone or other overhead transmission lines in a municipality (please see Appendix 1). In this case, the cost of the underground installation would be shared between Marathon Realty, the B. C. Telephone Company and Burnaby.

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- 1.4 The Planning Department has been successful in securing the agreement of the B.C. Telephone Company to sharing the cost of undergrounding the existing telephone lines. B.C. Tel prefers to improve a longer 2-block section of Canada Way to maximize cost benefit for this scale of work and to avoid later disruption to service should further extensions to the undergrounding occur. Engineering and Planning staff have met on several occasions with officials from B.C. Tel who have indicated that the utility does not plan to initiate and fully fund an undergrounding program in this area by themselves and only by cost sharing under the terms of the Government's reenacted Bill 21 will undergrounding occur in the foreseeable future.
- 1.5 On 1978 April 24 this Department contacted Mr. K. D. McRae, Assistant Director of Agencies for the Ministry of Finance, Victoria. Mr. McRae, after receiving a description of the proposed undergrounding, indicated that the Province would likely support the program provided that the project received equal financial support from B.C. Tel, private developers and the Municipal Council.
- 2.0 Comments:
- 2.1 The Planning Department recognizes several significant advantages in proceeding with an undergrounding program for certain areas throughout the Municipality and will advance a detailed report to Council in the near future on how this work could be accomplished, prioritized and funded. The undergrounding of telephone lines along Canada Way, which forms the subject of this report, is beneficial to the Municipality for the following reasons:
- a) This major overhead trunk line is visually prominent and unsightly. Its removal is consistent with Council's desire to progressively upgrade the Municipal Centre and maintain a high quality in the development of the Central Administrative Area.
  - b) The pole line is a hazard to pedestrians using the flanking sidewalk on Canada Way because the poles themselves are now placed in the middle of the sidewalk alongside a busy arterial-truck route. (Please refer to Appendix 2.)
  - c) Present traffic volumes on Canada Way between Norland and Kensington are 18,000 vehicles per weekday. The volume increases to 36,500 vehicles per weekday on Canada Way east of Kensington Avenue. As more development occurs in the Central Administrative Area and in other areas flanking Canada Way, a progressive upgrading of this arterial will likely be required in the future. Improvements to Canada Way would include widening, separated sidewalks, left turn channelization, the installation of traffic signals at major intersections and the relocation and/or undergrounding of overhead power and telephone lines. The section of Canada Way between Norland and Kensington Avenues is considered suitable for widening and improvement in response to the development of the Central Administrative Area and the increasing use of Ledger Avenue, Norland Avenue, Kensington Avenue and Deer Lake Place.
  - d) The Provincial Government, B.C. Telephone Company and a private developer recognize the need and advantages of undergrounding major overhead lines in this area and have agreed to share costs under the Power and Telephone Line Beautification Program should Council agree to share costs.

2.2 The attached letter from the B.C. Telephone Company, contained in Appendix 3, indicates the utility's support for the project and provides Council with an estimate of two phases of the work. All costs are valid until 1978 October 11.

Phase I - Kensington Ave. to Ledger Ave.  
Placing conduit and relocating cable to new underground system. Estimated cost-\$220,650.00

- This work need not proceed concurrently with Phase II although B.C. Tel would prefer that both Phases are completed at one time to reduce costs and avoid disruption to service through resplicing.

\* - Cost to the Municipality as estimated for a separate Phase I would be 1/3 of \$220,650 = \$73,550

Phase II- Ledger Ave. to Norland Avenue  
Relocating cable to existing underground system. Estimated cost - \$69,865.00

- This work could proceed if necessary independent of Phase I but completion of Phase I and II together is preferred.

- There is no cost to the Municipality for this portion of the work as Marathon Realty has agreed to meet the 1/3 contribution.

\* Should Council agree to proceed with the total project and include Phase I now, the overall cost of undergrounding between Norland and Kensington would be reduced by \$40,000. The cost to the Municipality would be as follows:

\$ 250,000	Estimated cost of Phase I and II together.
- 69,865	Phase II by Marathon
\$ 180,135	Phase I Ledger to Kensington
\$ <u>180,135</u>	
3	= \$ 60,045.00
	6,045.00 - Allow a 10% contingency for budget purposes as detailed under Section 2.6
Total -	\$ <u>66,090.00</u> - Proposed Budget Allocation

Please note that these costs have been accurately estimated, include 5% contingency, but do not represent a firm contract figure. Final costs will be available at the time of construction and may be slightly higher or lower than the estimates.

2.3 This is the first undergrounding program of major existing overhead lines in Burnaby, although active programs exist in Vancouver and several other municipalities utilizing the Provincial Government's Power and Telephone Beautification Fund.

2.4 Funding for projects such as the undergrounding of existing overhead lines would normally be drawn from the Municipal Special Roads Project Account which presently contains no funds. If Council wishes to proceed with Phase I work now, \$66,090 would be transferred from the 1978 Contingency Account which currently totals \$200,000.

2.5 In order to obtain financing from the Provincial Government for Phase I, the Ministry of Finance would require approval of Municipal Council evidenced by a copy of this report and the relevant certified Council Minutes confirming acceptance. Construction, tendering and overall project responsibility would be carried by the B.C. Telephone Company, who would receive Municipal and Provincial funds by progress payments once a contract is duly signed. The Utility Company has advised that an overall 10% contingency above the estimate

should be allowed by all parties when budgeting for projects of this type which go to general tender. B.C. Tel, upon receipt of approval by all parties, would complete the work during the Summer of 1978. 136


2.6 Details of the routing and installation as it relates to the Canada Way right-of-way will be co-ordinated by the Municipal Engineer. Preliminary design consultations between Engineering and Planning Department staff and officials of B.C. Tel indicate that due to the location of existing services and grades, the most practical route is the one shown in Appendix 4 attached. This would require a 3-4 meter wide easement granted by the Municipality in favour of B.C. Tel to permit them service access to the buried cables on Municipal property east of Ledger Avenue.

3.0 Conclusion:

The Municipality has an opportunity to participate in a worthwhile street improvement project by undergrounding a major overhead telephone trunk line through equal cost sharing with the B.C. Telephone Company and the Provincial Government. Council could review the success of this pilot project under the presently active Provincial Cost Sharing formula preparatory to a consideration of further undergrounding and beautification proposals elsewhere in the Municipality. The subject undergrounding before Council would enhance the appearance of Canada Way and surrounding areas in the Central Administrative Area, improve pedestrian safety on the public sidewalk and would allow for future improvement of Canada Way in this developing area.

4.0 RECOMMENDATIONS:

- 4.1 THAT Council approve Municipal financing of the Phase I undergrounding of telephone lines between Ledger Avenue and Kensington by 1/3 cost sharing under the terms of the Provincial Government's Power and Telephone Beautification Fund; and
- 4.2 THAT \$66,090 be transferred from the 1978 Contingency Fund to the Municipal Special Roads Account in order to fund the Phase I undergrounding project during 1978.

  
A. L. Parr,  
DIRECTOR OF PLANNING

SJB:ep

cc: Municipal Engineer  
Municipal Treasurer

Attachments - Appendices

ITEM	14
MANAGER'S REPORT NO.	36
COUNCIL MEETING	1978 05 08

PROVINCIAL - MUNICIPAL PROGRAMS

(P) 4.2

PROGRAM TITLE:

POWER AND TELEPHONE LINE BEAUTIFICATION

AUTHORITY RESPONSIBLE

Ministry of Finance

PROGRAM OBJECTIVE

To encourage the underground installation of power, telephone and other overhead transmission-lines in municipal areas.

DESCRIPTION

A municipality, and a public utility including B. C. Hydro and Power Authority and the Province may agree to share equally in the cost of underground installation of power, telephone or other overhead transmission-lines in a municipality.

A 1976 amendment extinguishes the "Fund" and indicates that appropriations shall be paid out of Consolidated Revenue Fund with money authorized by the Legislature.

AVAILABILITY

All municipalities.

STATUTE REFERENCE

Power and Telephone Line Beautification Fund Act as amended.

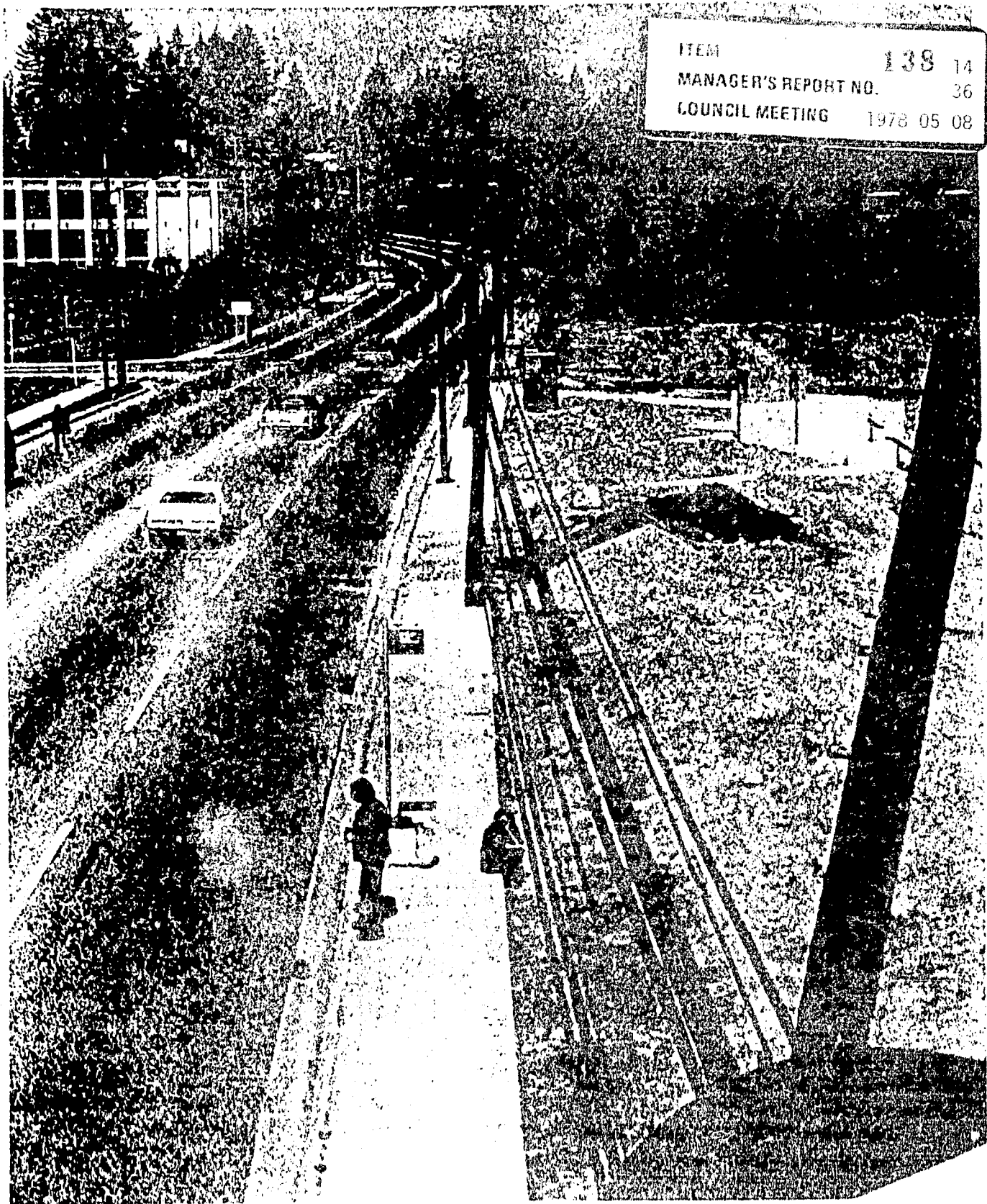
INFORMATION CONTACT

Mr. K. D. McRae,  
Assistant Director of Agencies,  
Ministry of Finance,  
Room 104, Douglas Building,  
Parliament Buildings,  
Victoria, B.C.  
ph. 387-3748.

March 1, 1977.

APPENDIX 1.

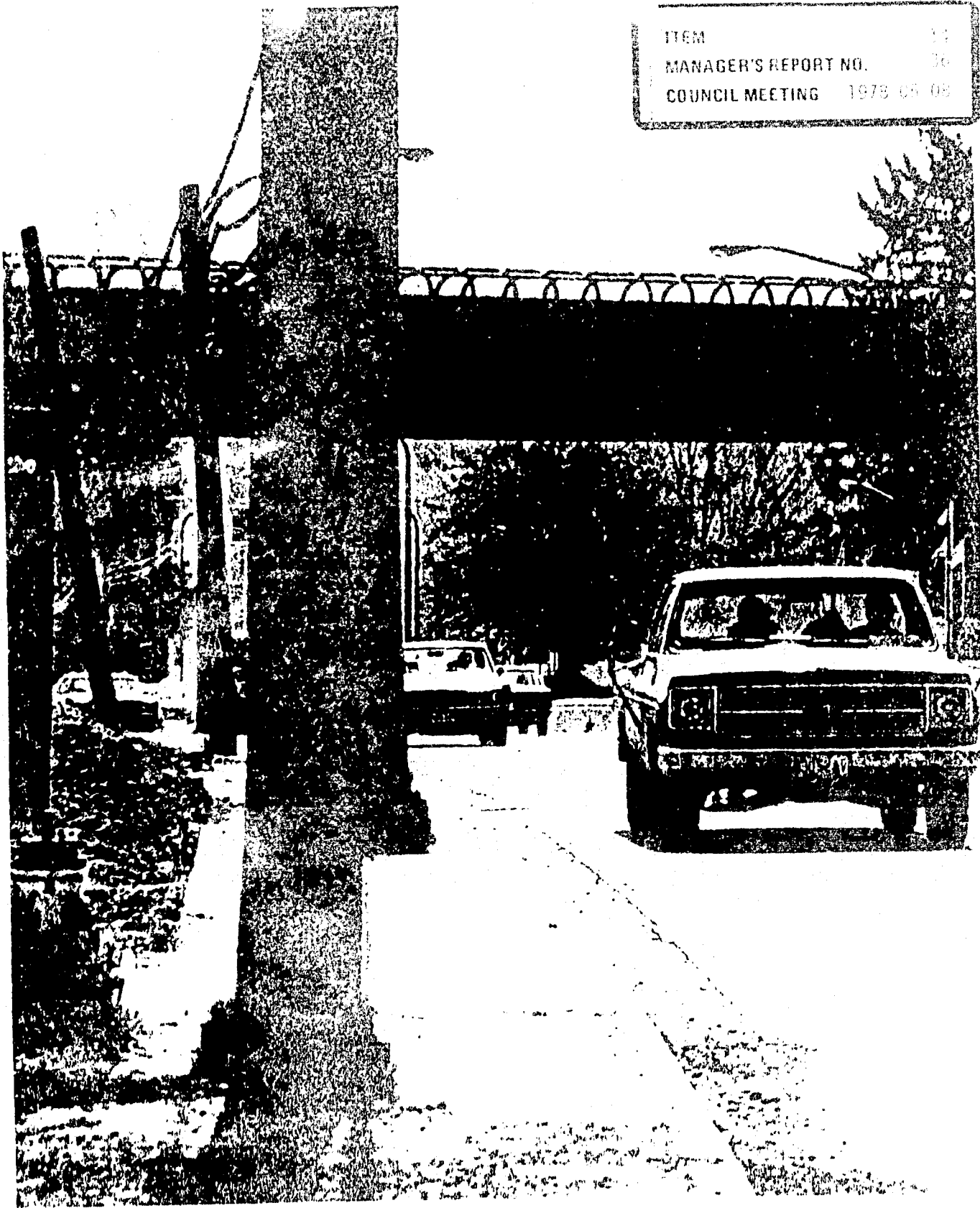




A P P E N D I X 2

PHOTOGRAPHS OF EXISTING OVERHEAD TELEPHONE  
TRUNK LINE BETWEEN NORLAND AND KENSINGTON  
AVENUES.

ITEM 34  
MANAGER'S REPORT NO. 36  
COUNCIL MEETING 1978 05 08



ITEM 140 14  
MANAGER'S REPORT NO. 36  
COUNCIL MEETING 1978 05 08





ITEM	14
MANAGER'S REPORT NO.	36
COUNCIL MEETING	1978 05 08

BRITISH COLUMBIA TELEPHONE COMPANY  
4839 CANADA WAY, BURNABY, B.C. V5G 3W4 TELEPHONE: 433-3740 AREA CODE 604

PLEASE ADDRESS YOUR REPLY  
TO THE UNDERSIGNED

File: P LINE 15  
Cypress/New West  
(RG/bj)

April 12, 1978

Mr. A.L. Parr  
Corporation of the  
District of Burnaby  
Municipal Hall  
4949 Canada Way  
Burnaby, B.C.

Dear Mr. Parr:

RE: Relocation of B.C. Tel Plant on Canada Way  
from Norland to Kensington

Further to our meeting on March 6, 1978, we have re-estimated this relocation into two phases as follows:

PHASE I - Kensington Ave. to Ledger Ave. - Placing conduit and relocating cable to U.G. system.	Estimated Cost	\$220,650.00
PHASE II - Ledger Ave. to Norland Ave. - Relocating cable to existing U.G. system.	Estimated Cost	<u>\$69,865.00</u>
	TOTAL	<u>\$290,515.00</u>

As stated at our meeting, the cost to relocate the aerial portion to underground, from Kensington to Norland as one job is estimated at \$250,000.00.

Please note that the above cost is \$40,000 less than the total of Phase 1 and 2 above due to the duplication of splicing etc.

B.C. Tel is prepared to proceed with either of the Phases but would prefer to relocate both as one project.

APPENDIX 3.

ITEM	14
MANAGER'S REPORT NO.	36
COUNCIL MEETING	1978 05 08

142

Further discussions with Mr. W. Davison have indicated the duct bank could be placed on the south side of Canada Way rather than the north. This would mean two crossings on Canada Way, but would eliminate the difficult crossing at Kensington. An easement would be required from the Municipality for this route at your cost. This cost has not been calculated but we would estimate approximately the same as the above. At this time it would appear that there is no way that we can construct the duct system on the north side of Canada Way due to existing gas and water lines.

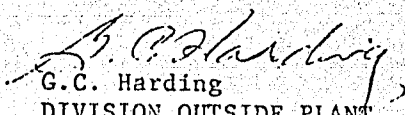
As B.C. Tel will not require U.G. conduit on Canada Way until the late 1980's, if at all, the cost for this relocation and placing conduit will be borne by the Corporation of the District of Burnaby, unless it is approved by the Provincial Government, under the Beautification Act, in which case the cost would be shared by B.C. Tel, Burnaby and the Provincial Government.

B.C. Tel is in favour of relocating this area to underground and are prepared to share the cost under the terms of Bill 21.

If you wish us to proceed, please submit a Purchase Order or Letter of Authority quoting the above mentioned file code. Please keep in mind that we will require approximately three months lead time for detailed engineering, construction scheduling and material ordering before construction can commence.

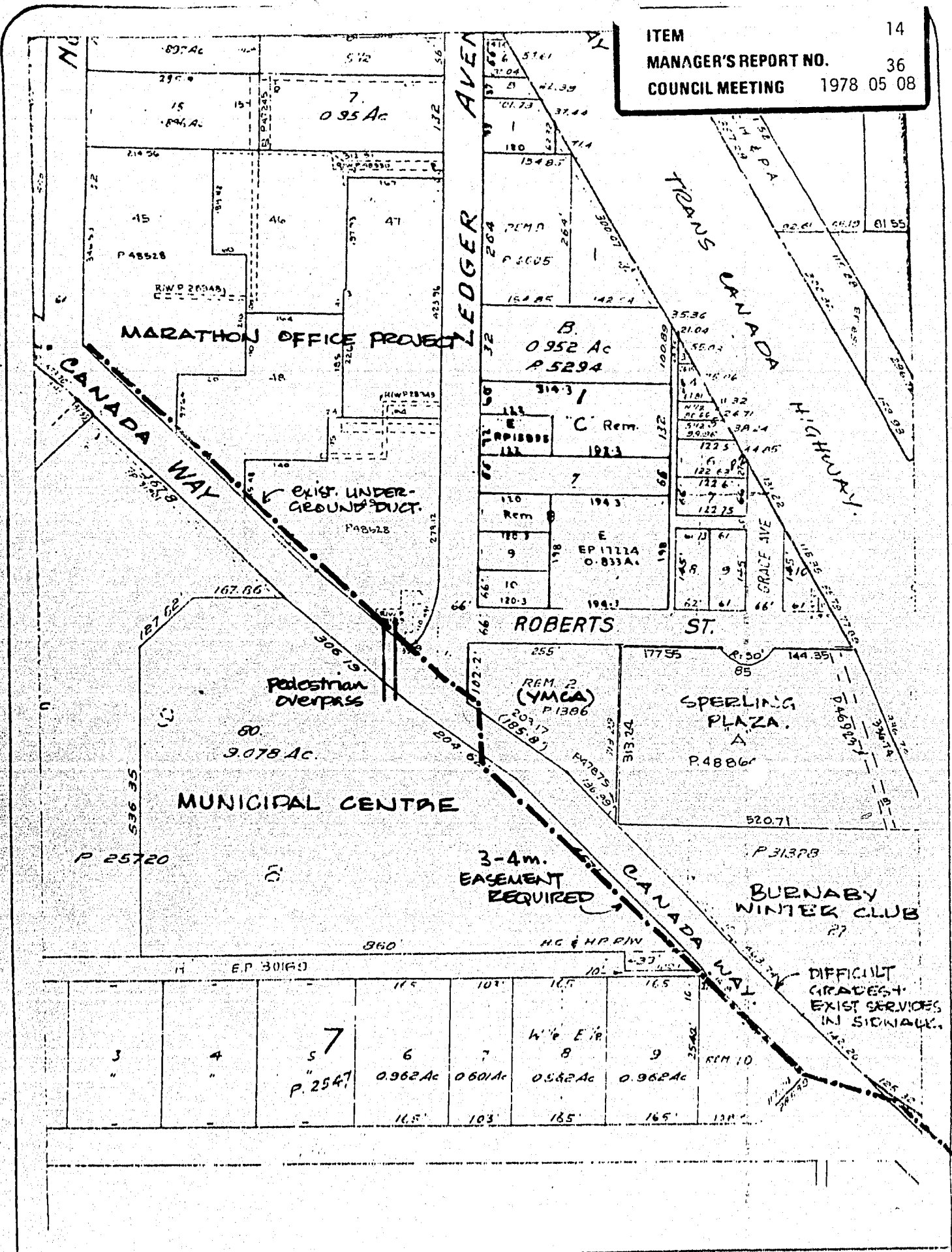
These costs are valid until October 11, 1978.

Yours very truly,

  
G.C. Harding  
DIVISION OUTSIDE PLANT  
ENGINEER - VANCOUVER EAST,  
BURNABY AND NEW WESTMINSTER

GCH/bj  
cc - Mr. W. Davison  
- Mr. S. Brady

ITEM 14  
 MANAGER'S REPORT NO. 36  
 COUNCIL MEETING 1978 05 08



Date  
 MAY '78

Scale  
 1" = 200'

Drawn By

Burnaby Planning Department



**APPENDIX 4**  
 ROUTE OF PROPOSED UNDERGROUND  
 TELEPHONE DUCT.