

ITEM	9
MANAGER'S REPORT NO.	82
COUNCIL MEETING	Dec. 20/76

Re: BYRNE CREEK DITCH FRONTING C-B SUPPLIES LIMITED  
PROPERTY - 4641 BYRNE ROAD  
(ITEM 37, REPORT 48, JULY 19, 1976)

The following is a report from the Municipal Engineer concerning the above and the representations made to Council by Mr. L.E. Barclay when he appeared as a delegation at Council's meeting of July 19, 1976.

RECOMMENDATION:

1. THAT a copy of this report item be forwarded to Mr. L.E. Barclay, Bryne Road.

\* \* \* \*

16 December, 1976

TO: MUNICIPAL MANAGER  
FROM: MUNICIPAL ENGINEER  
SUBJECT: BYRNE CREEK DITCH FRONTING C-B SUPPLIES LIMITED  
PROPERTY - 4641 BYRNE ROAD

Earlier in 1976 Mr. Barclay appeared before Council asking that something be done in the way of bank stabilization treatment in the Byrne Creek ditch fronting his property. Ostensibly, his request was based on a desire to cut down on the growth of weeds and wild grasses emanating from the top of the ditch near the property line. There is no measure of instability on the banks of the creek per se, so the requested action is largely intended for "cosmetic" purposes.

Council directed that the Municipal Engineer get together with Mr. Barclay to see if a satisfactory answer could be found to his request. Attached is a copy of a letter which the Municipal Engineer sent to Mr. Barclay dated 16 December.

Regrettably, the problem brought to Council by Mr. Barclay does not have an easy solution, short of spending considerable sums of money, and when considering that there are numerous other exactly similar solutions existing throughout Burnaby, your Municipal Engineer is unable to justify singling out the ditch in front of this particular property for special treatment.

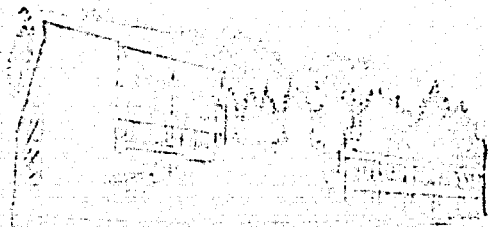
RECOMMENDATION:

THAT a copy of this report be sent to Mr. L.E. Barclay, 4641 Byrne Road.

  
MUNICIPAL ENGINEER

EEO:cmg  
Attch.

ITEM	9
MANAGER'S DECISION	82
COUNCIL DECISION	Dec. 20/76



## THE CORPORATION OF THE DISTRICT OF BURNABY

MUNICIPAL HALL  
4949 CANADA WAY  
BURNABY B.C. V5G 1M2

16 December, 1976

THE OFFICE OF THE ENGINEER

C-B Supplies Limited  
4641 Byrne Road  
Burnaby, B.C.  
V5J 3H6

Attention: Mr. L.E. Barclay  
President

Dear Mr. Barclay:

Re: Byrne Creek Ditch Fronting C-B Supplies  
Limited Property - 4641 Byrne Road

Further to our on-site meeting of 15 October, 1976, which resulted from the request of the Municipal Council for you and I to get together to discuss possible solutions to the problem, I would advise that we have now completed our review and consideration of possible alternatives for treatment for the bank of Byrne Creek adjacent to your front property line.

We considered the following alternatives:

1. Piping the ditch entirely and back filling over the pipe.
2. Construction of a timber bulkhead involving driving of piles and installation of timber struts on the piles.
3. Concreting or "guniting" of the slope.
4. Installation of a blanket of plastic to discourage weed growth and covering with soil.

Our investigations disclosed that alternatives #1 and #2 are too costly to consider undertaking at this time. Alternative #1 would cost approximately \$12,000, while Alternative #2 would cost approximately \$7,000. There is a complete lack of adequate foundation for installation of a concrete or gunited bank; in other words, the improvement would, over a period of time, slip down into the soft ground conditions prevailing in this area. Alternative #4 was not found to be feasible because of the steepness of the banks, which would have meant being unable to properly "anchor" the plastic cover, and would have surely resulted in slippage of any soil type material placed on the plastic blanket.

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With the present state of development in the Big Bend Area as a whole, i.e. with the Byrne Creek watercourse remaining open, there is, regrettably, nothing feasible that can be done in the way of improving the banks of the creek, without expending considerable sums of money. We do intend to budget storm sewer monies for the proper treatment to Byrne Creek, but there are numerous other demands throughout the Municipality for storm sewer facilities where the cost benefit ratio is much higher, and it is in these areas that storm sewer money must first be spent. In my opinion, it will be several years before ultimate treatment of Byrne Creek can be justifiably budgeted.

Yours truly,



E. E. Olson, P. Eng.  
MUNICIPAL ENGINEER

EEO:cmg