

ITEM 2
MANAGER'S REPORT NO. 60
COUNCIL MEETING 94/10/24

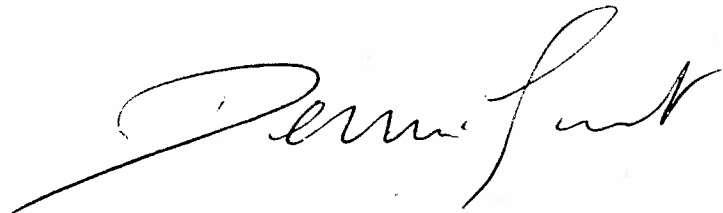
TO : CITY MANAGER
DATE: 1994 OCTOBER 20
FROM : DIRECTOR RECREATION AND CULTURAL SERVICES
RE : INSTALLATION OF BULKHEAD AT CENTRAL PARK POOL
PURPOSE : To request Council to bring down a bylaw to appropriate \$102,000 from the Capital Reserves to finance the construction of a bulkhead for Central Park Pool.

RECOMMENDATION:

1. THAT a bylaw be brought forward to appropriate \$102,000 from the Capital Reserves to finance the construction of a bulkhead for Central Park Pool.

REPORT

At its meeting of 1994 October 19, the Parks and Recreation Commission received the attached staff report on the above subject and adopted the two recommendations contained therein.



DENNIS GAUNT
DIRECTOR RECREATION &
CULTURAL SERVICES

tc
Attachment
A/3076

cc: Director Finance

~~ITEM (SUPPLEMENTARY) 7~~

ITEM 2
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COUNCIL MEETING 94/10/24

~~DIRECTOR'S REPORT NO. 16
COMMISSION MEETING 94/10/05~~

SUBJECT: INSTALLATION OF BULKHEAD AT CENTRAL PARK POOL

RECOMMENDATIONS:

1. THAT the design of the bulkhead for Central Park Pool be approved and that the project proceed to construction in February/March 1995.
2. THAT Council be requested to bring down a bylaw to appropriate \$102,000 from Capital Reserves to finance the construction of a bulkhead for Central Park Pool.

REPORT

At its meeting of 1994 September 21, the Commission approved the following process for confirming installation of a bulkhead at Central Park Pool:

1. Completion of the design by 1994 September 30.
2. Completion of estimates concurrent with design by 1994 September 30.
3. Report to the Commission on October 05 (may have to be supplementary) recommending:
 - a) Acceptance of design;
 - b) Acceptance of capital estimate (probably in the area of \$80,000 to \$100,000);
 - c) Approval to proceed to construction (probably in February/March of 1995);
 - d) That Council concur;
- \$100,000 is already provided in the 1995 Capital Program
 - e) That Council be requested to draw down a Capital Reserves bylaw. It is anticipated that the contract will be let by year end. However, there will be no expenditures incurred until 1995.
4. Report to Council on 1994 October 11.
5. Bylaw read on 1994 October 17 and 24.
6. Advise Barracudas on 1994 October 18 for their meeting of 1994 October 21.

PAGE 1 OF 3

~~ITEM (SUPPLEMENTARY) 7
DIRECTOR'S REPORT NO. 16
COMMISSION MEETING 94/10/05~~

INSTALLATION OF BULKHEAD AT CENTRAL PARK POOL

ITEM 2
MANAGER'S REPORT NO. 60
COUNCIL MEETING 94/10/24

The preliminary design and estimate concurrent with the design have been completed.

DESIGN

P.F. Backhouse & Associates Ltd. are the structural engineers contracted to design a bulkhead for Central Park Pool. The design that was originally recommended was reported on at the Commission meeting of 1994 September 07. Since then, problems were encountered that forced the consultant to make substantial changes to that design.

To meet Burnaby's requirements of a bulkhead that was both removable and easily stored, the original design recommended a two bulkhead system. It was to be manufactured of Fiberglas in sections small enough to allow either two or four persons to assemble/disassemble them in the pool.

These dual bulkheads would be placed equal-distance from shallower pool ends to create a 25 meter length at pool mid center. When removed, storage would be achieved by using the bulkheads as bleachers on deck.

Responses to a letter of inquiry based on the original conceptual design, sent out to five design/build companies, resulted in cost estimates that were wide ranging, from a low of \$65,000 to a high of \$132,000. A far greater concern was the distinct lack of interest in the project. The consultant found the companies needed a lot of prompting to submit estimates and then found the estimates to be incomplete and in some cases it was evident that the design documents were not read thoroughly and little effort made to submit accurate cost estimates.

This general lack of interest and apparent lack of expertise by custom Fiberglas fabricators led the consultant to modify the bulkhead design. A more conventional, Fiberglas clad, one piece aluminum frame design single bulkhead was recommended. This bulkhead would be placed in approximately the center of the pool. Removal would be accomplished by crane as opposed to a crew of workers required by the previous design.

With fewer units, costs may be reduced, installation damage would be minimized and using the more conventional aluminum frame, tendering would be more competitive.

COST

104

The cost estimate for the most recent design of a bulkhead system for Central Park Pool was \$95,000 excluding applicable taxes. This amount could be reduced to \$89,000 if Iso poly based FRP is used for the outer cladding of the structure. It is believed that this figure is very realistic and given a competitive bid situation could be as much as 5% less than quoted.

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ITEM	2
MANAGER'S REPORT NO.	60
COUNCIL MEETING	94/10/24

As the bulkhead will only be in the water 4 - 6 days per season, the lower priced alternative will be acceptable.

Basic cost	\$ 89,000
GST	6,230
PST	<u>6,230</u>
	\$101,460

Installation and removal costs are estimated to be approximately \$600 to \$800 per occasion based on four hours for set up time. This compares favorably with rough estimates for installation/removal of the original design which were \$640 to \$1,280 per occasion. This would be an additional cost to the Commission's operating budget.

FUNDING

\$102,000 is provided in the 1995 Capital Program. The Director Finance has advised that with the approval of City Council, the Commission would be in a position to confirm now construction of the Central Park bulkhead, construction to occur in the early months of 1995.

It is recommended that Council be asked to bring down a bylaw to appropriate \$102,000 from Capital Reserves.

The Burnaby Barracuda Swim Club have committed to donate \$15,000 towards the construction of the bulkhead.

SUMMARY

The latest bulkhead design submitted by P.F. Backhouse and Associates Ltd. eliminates the uncertainty experienced with the original design. It also has the added advantage of streamlining the installation and removal of the bulkhead.

It is recommended that the latest design for the bulkhead at Central Park Pool be approved, with the project proceeding to construction in February/March 1995. It is also recommended that Council be asked to bring down a bylaw to appropriate \$102,000 from Capital Reserves.

DD:BG:seo
COMMISSION/0207

cc: Director Finance