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THE CORPORATION OF THE CITY OF PORT COQUITLAM

ENVIRONMENTAL PROTECTION COMMITTEE

MINUTES

A meeting of the Environmental Protection Committee was held in the Council Chambers on Wednesday, August 19, 1987 at 4:45 p.m..

Personnel in Attendance:

Alderman M.D. Gates, Chairman  
Alderman M. Wright, P. Eng., Co-Chairman  
T.M. Chong, P. Eng., Deputy City Engineer

Also in attendance:

Eric Bonham - Provincial Manager for Extended 1968 Fraser River Flood Control Program.  
Jim Leon - Federal Representative for Extended Fraser River Flood Control Program  
Niel Peters - Provincial Water Management Branch Flood Plan Management  
Niel Nyberg - Municipal Engineer (Coquitlam)

CONFIRMATION OF MINUTES

Recommended:

That the minutes of the meeting of the Environmental Protection Committee held on Thursday July 16, 1987 be taken as read and adopted.


Carried

ITEM I: COQUITLAM RIVER DYKE UPGRADING

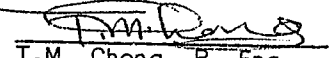
The delegation from the extended 1968 Fraser River Flood Control Program was introduced to the committee members. Mr. Eric Bonham made a presentation regarding the current status of the Program as it pertains to the Coquitlam River Dyke Upgrading. The attached memo to the City Administrator summarizes the subsequent discussions on this subject.


ITEM II: NEW BUSINESS

- a. Alderman Gates reported that a resident on Fox Street has constructed a large pigeon house over the creek to the rear of his house. Although he has attempted to contact the Fisheries Department to advise them of this potential source of pollution, he was not successful. Alderman Gates asked T. Chong to liaise with the Fisheries Department on this matter.
- b. The EPC Budget was discussed with the recommendation that Mr. Derek Murphy be invited to the next Committee meeting to explore new ideas for promoting recycling in the City.

  
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The Meeting Adjourned at 5:30 p.m.

  
T.M. Chong, P. Eng.,  
Deputy City Engineer/  
Operations Manager

  
Alderman M.D. Gates,  
Committee Chairman

NOTE: Minutes not read and adopted by the Committee until certified correct by the Committee Chairman's signature.

cc Mayor and Aldermen  
City Administrator  
City Clerk  
City Engineer

  
AUG 19 1987

THE CORPORATION OF THE  
CITY OF PORT COQUITLAM

MEMORANDUM

TO: B.R. Kirk  
City Administrator

September 2, 1987

FROM: T.M. Chong, P. Eng.,  
Deputy City Engineer/  
Operations Manager

SUBJECT: Construction of Dykes along Coquitlam River  
Environmental Protection Committee Meeting of  
August 19, 1987

Members of the Committee and the District of Coquitlam's Municipal Engineer, Mr. Nyberg, met Mr. Bonham, Project Manager for the Fraser River Flood Control Program, on August 19, 1987. Mr. Bonham works for the Provincial Ministry of Environment. Accompanying him were Mr. Peters of the Provincial Water Management Branch and Mr. Leon of the Federal Department of Inland Water, Land, Conservation, Protection and Environment. The Environmental Protection Committee invited Mr. Bonham and his party to the meeting for the specific purpose of finding out the current plans for the flood control works to be constructed along the Coquitlam River.

The attachment to this memo summarizes Mr. Bonham's presentation to the Committee. After Mr. Bonham's presentation, the following discussions took place:

1. The proposed dyke alignment in area 3 may have a significant impact on the current development plan for Reeve Street Park. It was agreed that the City would review the impact of the dyke alignment upon the proposed park and submit comments along with the Reeve Street Park Development Plan to Mr. Bonham.
2. There was some doubt expressed that the dedicated funds for the construction of the proposed dykes may not be available by 1990 due to the senior governments' priorities. Both Mr. Bonham and Mr. Leon indicated that it is quite unlikely that these funds will be channelled elsewhere.
3. Since the proposed dyke works will not include any stream bed improvements (ie dredging and tree removal) the question was raised regarding whether or not Mr. Bonham will incorporate such works into the terms of reference for his Consultant and eventually the contract for the dykes if funds can be found elsewhere. The understanding would be that any work not within the

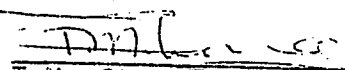
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scope of the Fraser River Flood Control Agreement will be paid for separately. Mr. Bonham indicated that it would be extremely difficult if not impossible to proceed under these arrangements.

4. When Mr. Bonham and his party were asked whether they knew of the existence of any funding assistance programs which municipalities may apply to have the river dredged, they replied in the negative.
5. Mr. Niel Peters of the Water Management Branch stated that even if Dykes are constructed along the Coquitlam River, there will still be a need to regulate the height of dwellings constructed in low area inside the dyke. He request that any further enquiries be directed to his office.
6. In view of the fact that land acquisition costs are 100% the responsibility of the municipality, it was pointed out that Mr. Bonham's Consultant must liaise closely with the City regarding the impact of the dyke alignment on land acquisition costs. What may appear to be the lowest cost for dyke construction may result in extremely high land acquisition costs. Mr. Bonham said that he will brief the Consultant in this respect, however, his primary interest is to keep the cost of dyke construction to a minimum.
7. Mr. Nyberg suggested that the "wheels" be put in motion between the two municipalities to determine what maintenance responsibilities are involved subsequent to the construction of the dykes.

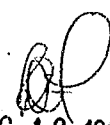
The Environmental Protection Committee wishes to update Council on this matter. I have also been requested to apprise Mr. Gerry St. Germain, M.P. of this meeting pertaining to the Coquitlam River.

  
T.M. Chong, P. Eng.,  
Deputy City Engineer/  
Operations Manager

TMC:jlh

attachments

cc Mayor and Aldermen  
City Engineer  
City Treasurer  
City Planner  
Director of Parks & Recreation


  
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COQUITLAM RIVER - FACT SHEET

Presented at Port Coquitlam City Hall - August 19, 1987

1. The Fraser River Flood Control Program current funding is \$161,000,000. Expenditures to date \$126,000,000. Annual budget is \$5,000,000. Program terminates 1995.
  2. The Coquitlam River project is currently scheduled to be designed in the fiscal year 1988-1989 and constructed over a 3-year period 1990-1993. Depending on the demands of other projects, it is possible that construction could commence fiscal year 1989-1990.
  3. The original analysis of the dyke and bank protection requirements is contained in the "Coquitlam River Water Management Study" prepared in 1978.
  4. An Outline Report was prepared by Ministry of Environment in 1982 which specifically addressed dyke, bank protection and floodbox requirements on the Coquitlam River.
  5. The Outline Report was updated in 1984.
  6. For analysis, the Coquitlam River main stem was divided into the following subsections:
    - a) Area I -Hockaday Street
    - b) Area II -District of Coquitlam
    - c) Area III -City of Port Coquitlam
    - d) Area IV -Indian Reserve No. 2
    - e) Area V -Colony Farm
- The above areas are depicted on the attached drawings A5333-2, A5333-3 and A5333-4.
7. Areas I - V were estimated based on 1984 construction prices.
  8. Areas IV and V, Indian Reserve No. 2 and Colony Farm are not included in the current analysis. These areas have been eliminated due to insufficient benefits. The cost estimate to provide flood protection to Areas I, II and III is \$5,600,000 based on 1984 estimates. With an allowance for escalation the 1987 estimate is \$6,000,000 (not including land acquisition).

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9. Note these estimates are based on preliminary figures. Be advised that these estimates and the scope of the work are subject to the change once the design phase is completed. The consultant will review in detail flood protection requirements and refine the cost estimates.
10. The flood protection works on the Coquitlam River will be designed for a 1-in-200 year flood flow of  $585 \text{ m}^3/\text{s}$  (20,670 cfs), assuming that the Coquitlam Lake reservoir is full at the beginning of the flood event. The runoff above the lake would then contribute directly to the flood event.



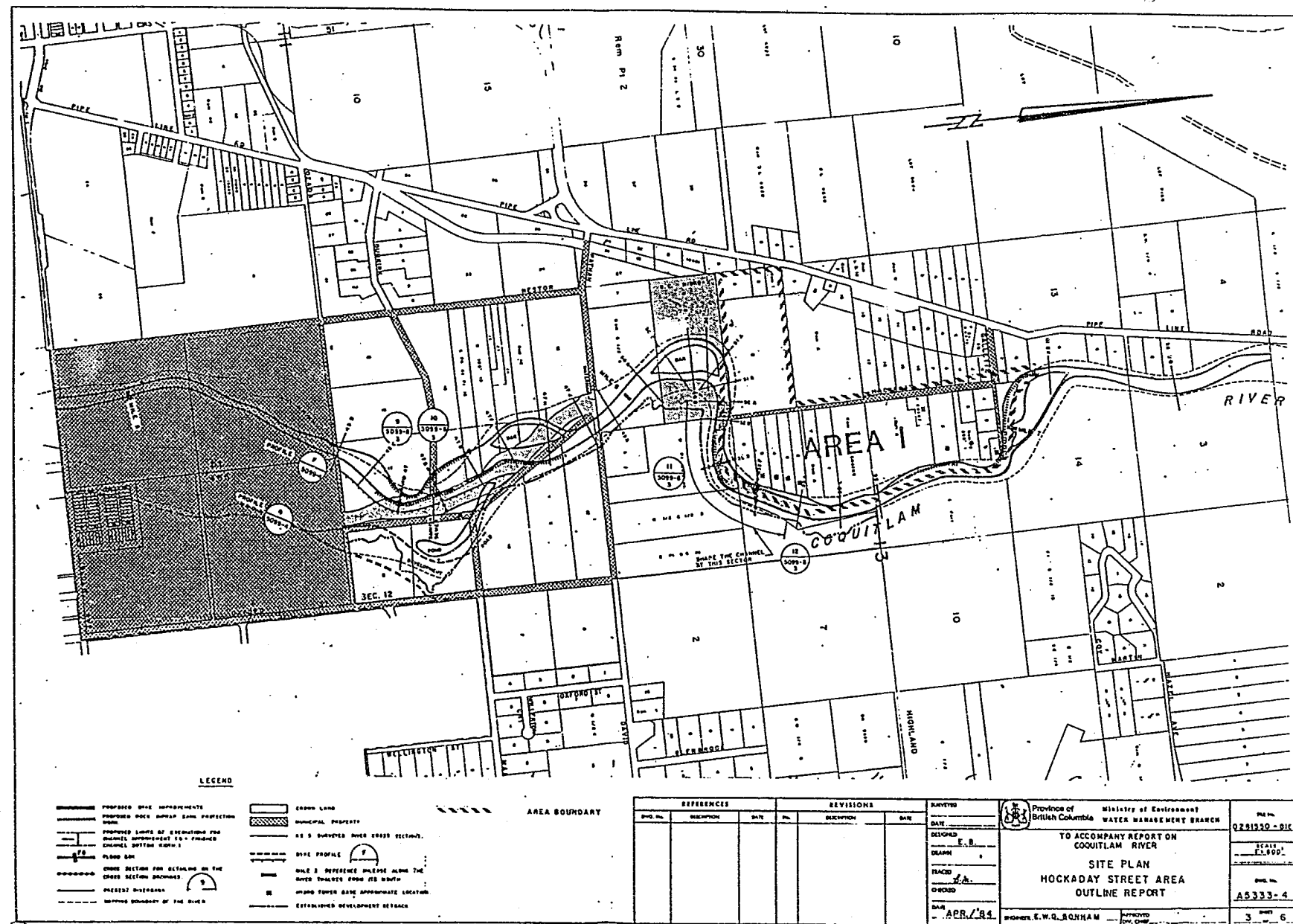
E.W.D. Bonham, P. Eng.  
Project Manager  
Rivers Section  
Water Management Branch

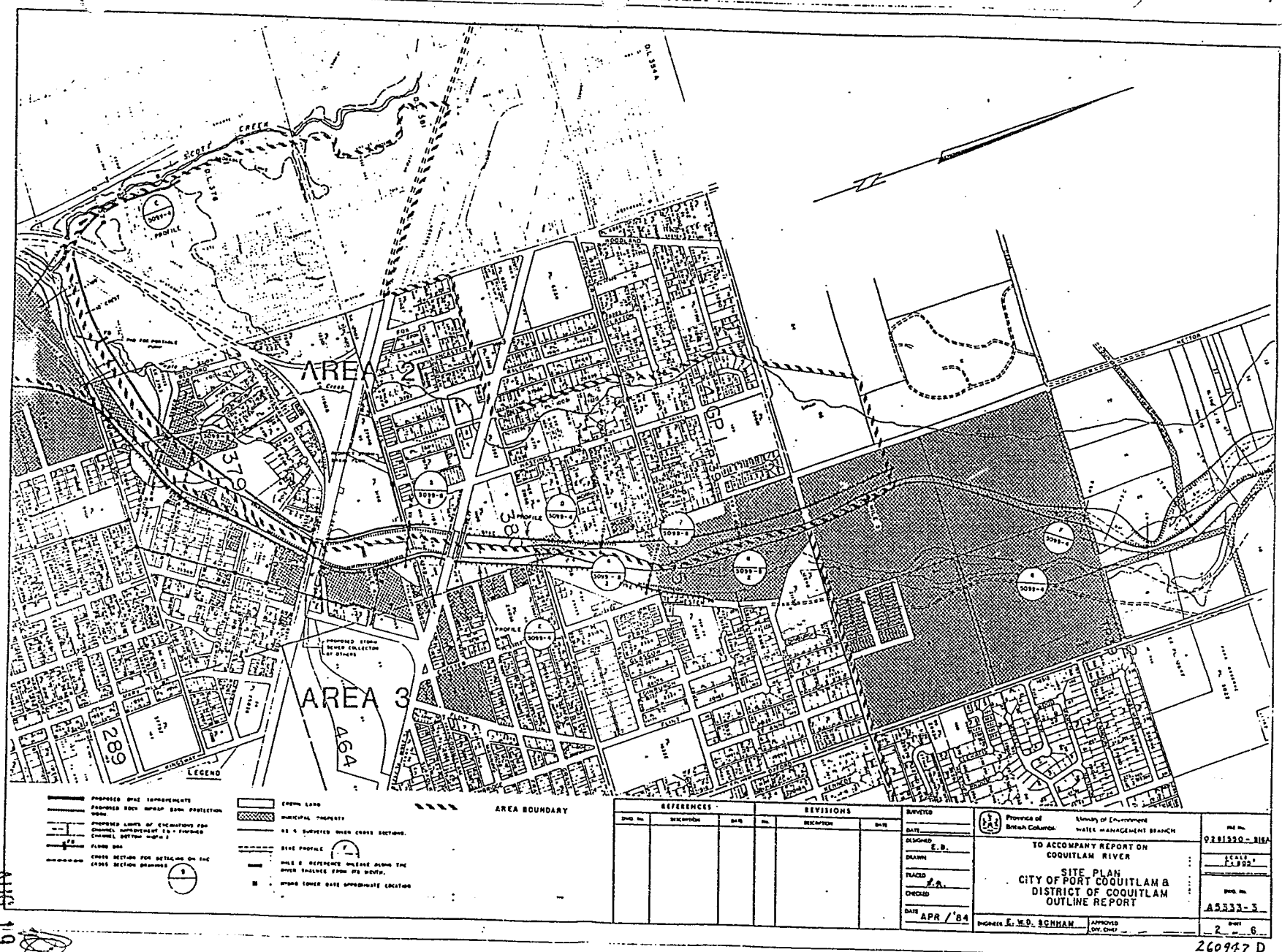
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