APPENDIX II

RECOMMENDATION	STATUS
CONSTRUCTION PRACTICES	
1. ***Application of AWWA Standards*:** COV Waterworks Standard 641 "Emergency Repairs; Disinfection Methods for Watermain Breaks" be adopted for construction and repair work in Stanley Park	Is being included in all work/project documentation
2. ***Adoption of COV Waterworks Standard 305, Section 2:*** COV Waterworks Standard 305 be adopted for construction and repair work in Stanley Park.	Included in operational procedures
3. ***Full Time Inspection:*** All contract work affecting the drinking water system be inspected full time by a Waterworks staff member.	Current procedure
4. ***Sampling:*** Water samples be taken after water main shutdowns that drain the water main.	Current procedure
5. ***Leak Detection:*** A regular leak detection program be devised and implemented.	Park Board and City have agreed on program. Implementation scheduled following approval of LOU
6. ***Force Main Sewer Testing:*** Further investigation and testing of sewer force mains in the park be carried out.	Same as recommendation 5 above
7. ***Back Flow:***	
a) Irrigation systems in Stanley Park be checked for operational back flow preventers where required.	95% Completed, Remaining to be completed by May 31, 2001
b) All connections to fire hydrants use back flow preventers.	Standard practice
c) Hose bibs in washrooms and external connections be fitted with back flow preventers.	95% Completed, Remaining to be completed by May 31, 2001
d) All facilities within the Park boundaries be inspected for back flow preventers.	95% Completed, balance by May 31, 2001

RECOMMENDATION	STATUS
WATER MANAGEMENT	
1. ***Ensure Chlorine Levels:*** Work be done to ensure consistently high chlorine levels in the Stanley Park water system, with particular attention to the South West zone.	Park Board staff continue to monitor 5 sites on a weekly basis.
2. ***Regular Flushing:*** A regular flushing program be devised and implemented in Stanley Park.	Intermittent flushing being done at present and to be modified after modeling.
3. ***System Flow Characteristics Modeling:*** A review of the Stanley Park water system flow characteristics be performed, including computer modeling of water residency periods.	Modeling is being done by COV Waterworks staff and is nearing completion
4. ***Sampling Program:*** For the short term a sampling program was established on August 8, 2000 and will continue for 2 weeks provided negative results for fecal contamination continue. Samples are being taken in duplicate to the GVRD lab and the BCCDC lab.	Bi-weekly testing at 4 locations is being continued.
LONG TERM (CAPITAL) PROGRAM	
1. ***Long Range Plan:*** A long range plan, similar to the COV Waterworks Long Range Plan be developed for replacement of the Stanley Park water system.	To be undertaken jointly by Park Board and Engineering Services in 2001
2. ***System Wide Survey & Documentation:*** The Stanley Park water system be surveyed for all elements that can be located through currently available technology.	A partial survey was in place at the time of the incident. This was further updated with info from the incident and has been continuing since.
3. ***Capital Plan Program:*** A capital Program be developed to implement changes identified by the above review.	To be formulated as part of (1) as implemented by City Engineering Services