The chief object of maintaining this as a private right-of-way, is to give the city absolute control over this system at all times, so that the necessary repairs can be made and new mains laid or any other work done without asking the consent of the Municipality of North Vancouver or incurring damages that would follow, should this pipe line right-of-way be converted into a public highway.

The Seymour Creek Valley is formed by steep hill-sides on each side of the creek, one or two of them being liable to slides at times. In locating the pipe line it was thought advisable to keep down as close as possible to the toe of the banks in the more solid ground, to secure the best safety to the pipes, and subsequent experience has proved this to be the only proper location.

The protection work done since the installation of the Capilano and Seymour Creek supply mains, has been chiefly timber, rock-filled cribbing placed along the banks of these creeks to prevent encroachment, due to the alteration from time to time of their channels.

RENEWAL AND REPAIR WORK TO SUBMERGED MAINS

Since the waterworks system was first installed, the chief repair work and renewals to the pipe system has been done at the crossing of the First Narrows. There have been four old submerged mains hauled out during the past 21 years, making a total of ten which have been installed during this period. There have been numerous repairs and about twelve bad breaks during this time, which have been repaired under water by divers. These breaks were caused chiefly by ships' keels landing on the pipes near the shore ends during foggy weather, or when these vessels were out of control.

MANAGEMENT

The Water Works Department is controlled by the Water Committee of the City Council and its management is under the direct supervision of the City Engineer with the Water Works Superintendent in charge of general [redacted] maintenance. The accounting is under the supervision of the City Comptroller, and all money required for extensions is borrowed by the issue of city debentures.

The receipts from water rates are used to pay the interest and sinking fund of the debentures, together with the operating expenses, the surplus passing into the general revenue of the city.

ENGINEERING

Since the year 1905, by a special arrangement with the City Council, the designing and engineering of the water works extensions, and supervision of construction, excepting the distribution system and maintenance, has been performed by the writer, who is paid on a percentage basis.