

If nothing is done in the meantime with the larger scheme, then the only alternative is to install an additional pumping engine at a cost of about \$25,000.

#### Ontario.

MARKDALE, ONT.—This place is going ahead with its waterworks scheme this winter.

OTTAWA.—City Engineer Ker has reported to the City Council in favor of a booster system to cost \$40,000 in connection with the city water supply. Recent additions have increased the city area by 54 per cent. and to increase the water pressure in case of fire it is proposed to install auxiliary pumping stations and equip them with electric driven turbines. The present mains will be fitted up with check valves and gates so that in any area and more particularly in the business district a pressure of 120 pounds can be secured at the fire hydrants. Such a scheme will give the necessary fire protection and will not require extra mains &c., the installing of which would be very expensive in a city built on rock like sections of Ottawa.

OTTAWA.—City Engineer Ker has written the Ontario Board of Health regarding Aylmer's sewage disposal scheme. He pointed out that while the sewer construction is going ahead the Quebec Board of Health have not taken action, nor are they endeavoring to co-operate with the Ontario Board of Health in attempting to safeguard the water supply of Hull and Ottawa. Tests show that sewage deposits find their way down to the source of the city's water supply. If the Boards of Health do not act the City of Ottawa may be forced to take out an injunction.

PEMBROKE.—Pembroke Council are planning to extend their water works intake. The new pipe will cost \$50,000. Sand filtration is also talked of. A sand filtration plant with the new intake would cost \$90,000. Town Engineer Bryson made such a recommendation some time ago.

ST. THOMAS.—A petition has been presented by the residents of Yarmouth Heights asking for an extension of the water service along Wellington street to Fairview avenue—City Engineer, J. J. Bell.

TORONTO.—City Engineer Rust reports that owing to the extremely dry summer a number of sewers are badly in need of cleaning. He estimates that 800 feet of hose will have to be purchased to do the work.

TORONTO.—The City Engineer has reported that approximately the following quantity of water pipe will be required during 1909: Three miles of 12-inch pipe and four or five miles of 6-inch pipe.

#### Alberta.

MACLEOD.—The ratepayers of this place have voted in favor of spending \$35,000 for the installation of a sewerage system.

### CONTRACTS AWARDED.

#### Ontario.

ST. CATHARINES.—The Fire and Light Committee have recommended the purchase of 500 feet of hose, "Red Cross Brand" from Gutta Percha & Rubber Co., at 85 cents per foot, and the purchase from the Ontario Rubber Company of rubber coats at \$4.50 each, 4 sizes; \$4.75 each, 4 sizes.

#### Manitoba.

MANITOBA.—The Manitoba Government has awarded the contract for 25,000 telephone poles to J. L. Nelson, Winnipeg, who will during the winter months cut and distribute them to points throughout the province where they may be required for next year's construction by the Government-owned telephone system. The larger portion of this big contract for poles will be secured from the territory tributary to the Grand Trunk Pacific Railway east of Winnipeg.

#### British Columbia.

NEW WESTMINSTER.—Tenders were opened for the new New Westminster Lulu Island bridge as follows: For the substructure: The International Contract Co., Seattle, \$29,642; Armstrong, Morrison & Co., Vancouver, and the

Burrell Bridge and Construction Co., Seattle. For the metal, 562,500 pounds of steel, for the superstructure, there were five tenderers, the U. S. Steel Products Export Co., Canada Foundry Co., Canadian Bridge Co., Minneapolis Steel and Machinery Co., Kansas City. The first was the lowest tender, but only about \$120 less than that of the Canada Foundry Co., \$26,831.25. The contract was awarded to the International Contract Co. for the sub-structure and the Canada Foundry Co. for the superstructure. The contract price is about \$20,000 higher than the estimate price.

VICTORIA.—Tenders were opened for the supply of twenty special type hydrants for the high pressure service. These were three in number: Hutchison Bros. & Co., Victoria, \$90 or \$98 each, two forms of hydrant being tendered on; Ramsay's Machine Works, Victoria, \$140 each; Canadian General Electric Co., Vancouver, \$125 each.

### RAILWAYS—STEAM AND ELECTRIC.

#### Ontario.

OTTAWA.—Hon. George P. Graham has fixed Dec. 17th for hearing of the application of the Canadian Northern Railway for approval of its plan of entrance to Ottawa.

#### British Columbia.

VANCOUVER.—The Albert Central Railway Company is applying for legislation granting it an extension of time, an increase of capital from one to two million dollars, an increase of debentures from \$20,000 to 35,000 per mile and authorizing the extensions of its line from its western terminus near Rocky Mountain House to G. T. P. at Yellow Head pass from its present terminus near Elbow of Battle River, easterly to Saskatoon or Warman, and from Red Deer southeasterly to Moose Jaw.

VICTORIA.—The Victoria and Barclay Sound Railway Company will ask for an act of incorporation. The proposed charter authorizes a line from Victoria by Otter Point and San Juan to Barclay Sound near Sarta River.

### FINANCING PUBLIC WORKS.

#### Nova Scotia.

WESTVILLE.—A. W. McBean, Town Clerk and Treasurer, invites tenders until December 14th for \$7,000 20-year 4¼ per cent. waterworks debentures.

#### Ontario.

LONDON.—The Water Commissioners have decided to take in the Kilworth supply at a cost of \$125,000. This will turn at least 500,000 gallons into the city mains by June of next year. The cost of the scheme is estimated at \$441,000.

NIAGARA FALLS.—By-laws will be submitted to the ratepayers at Niagara Falls, Ont., next month to raise \$19,000 for an armory site, sewer extension and improvements to city fire halls.

#### Manitoba.

BRANDON.—The City Council have received an offer from an Eastern bond house for all the city's debentures in sight. These include the following to be voted on this month: Western Agricultural and Arts by-law, \$55,000; bridge by-law, \$25,000; cemetery by-law, \$10,000; hospital by-law, \$35,000.

ST. ANDREWS.—On December 15th the electors will vote on a by-law authorizing the issue of \$30,000 debentures for roads and bridge purposes. J. Macdougall, secretary-treasurer.

#### Alberta.

LETHBRIDGE.—As previously noted, \$75,000 city of Lethbridge, Alta., debentures for the purchase of the electric light plant have been awarded to the Dominion Securities Corporation, Toronto. The Electric Light Company sold their own bonds, which were handed to them in payment of the plant. The city is now asking for tenders on