

proximate nearly \$1,800. The plans were prepared by Frank Barber of Barber & Young, Toronto.

**Winnipeg, Man.**—The James Robertson Company will supply lead pipe required by the city at \$4.90 per 100 lbs.

**Winnipeg, Man.**—The Board of Control decided to recommend that the contract for water pipe be awarded to W. Beverley Robinson, of Montreal, on behalf of the Stanton Iron Works, at \$18,131, the lowest tender.

**Winnipeg, Man.**—The following contracts have been made:—Sewer on McMillan, \$734.20, engineer of construction. Sewer on Helen Street, \$1,909, engineer of construction. Sewer on Helen, \$1,407.20, Thomas Jackson & Sons. Sewer on Ida, engineer of construction, \$309.15. Water main on McMillan, \$169.60, engineer of construction. Water main on Grosvenor, \$154.00, engineer of construction. The total cost of these improvements is \$4,683.15.

**Vancouver, B.C.**—Tenders for an additional five miles of cement walks were as follows: H. Ledingham, 13 cents per square foot; Palmer Bros. & Henning, 13 ¼ cents; McCachran & Richardson, 13½ cents. Referred to the engineer for report.

**Vancouver, B.C.**—Contracts to the amount of approximately \$325,000 have been awarded for the construction of the Metropolitan ten-storey office building on the north side of Hastings Street. Work will be started immediately after April 10. Some of the contracts were given the following firms:—John Coughlan & Sons, steel fabrication; Ross & Howard, cast-iron bases; E. E. Davis & Company, steel erection; Wells Construction Company, preparation of site, concrete work and stone; Canada Foundry Company, ornamental iron; Barr & Anderson, steam heating; Dorel & Killing, plumbing; Sears & Company, bricklaying; Raftery & Company, expanded metal and plastering; Western Sheet Metal Works, sheet metal and roofing; Cope & Son, electrical work; Robert Stewart, Ontario, hardwood finishing; British Columbia Plate Glass & Importing Company, painting and glazing; A. & P. Steven, Glasgow, elevators. The contract for the model stone carving and general enrichment work will be awarded during the next few days.

**Victoria, B.C.**—J. L. Skene will build the new Y.M.C.A. building for \$70,000.

**Victoria, B.C.**—Evans, Coleman & Evans were awarded the contract for supplying coal for the Vancouver courthouse and normal school for the current year. The contract for coal for the New Westminster court house and jail goes to Belyea & Co., and for the hospital for the insane to Gilley Bros., Ltd.

## RAILWAYS—STEAM AND ELECTRIC.

**St. John, N.B.**—The survey for the St. John Valley Railroad will be started by the Hazen Government as soon as weather permits, with P. S. Archibald, formerly Chief Engineer of the Intercolonial Railway, in charge.

**Toronto, Ont.**—W. H. Grant left Toronto on Tuesday for Vancouver to superintend the construction of D. D. Mann's Portland Canal Short Line Railway in Northern British Columbia. He was accompanied by D. O. Lewis, C.E.

**Toronto, Ont.**—A big programme of expansion on the Temiskaming & Northern Ontario Railway is foreshadowed by Mr. J. E. Englehart, Chairman of the commission, who recently returned from his tour of inspection over the line. Plans are perfected for many extensions and improvements and contracts will be awarded in the course of a few days for the construction of new steel bridges. Several new stations are also completed, and the double-tracking of an additional portion of the road. New stations are under way for Cobalt, Matheson and Cochrane.

**Niagara Falls, Ont.**—G. F. Hanning and staff have completed the survey of the Canadian Northern route to the Falls. It runs along the right-of-way of the Toronto & Niagara Power Company to the city line, through the heart of the city, crossing the river on a bridge to be built three hundred feet north of the upper steel arch bridge. The Niagara, St. Catharines & Toronto Railway, owned by Mackenzie & Mann interests, may build a line to Fort Erie during the coming summer, forming a belt line through the Niagara district as a feeder for the Canadian Northern.

**Niagara Falls, Ont.**—The N. St. C. & T. Railway intend to lay new girder on several streets here.

**Winnipeg, Man.**—G.T.P. officials announce that the new G.T.P. shops at Winnipeg will be completed by the end of

the present year. The shops and grounds will cover 300 acres, and there will be seventeen acres of floor space in the thirteen buildings.

**Winnipeg, Man.**—The Cowan Construction Company, received from the Canadian Northern Railway a contract for grading the Maryfield to Moose Jaw extension, while the Northern Construction Company will grade the Vegreville and Goose Lake extension. These contracts cover about 230 miles of road.

**Brandon, Man.**—City council have accepted the proposition of the Canadian Northern Railway to build a transfer railway connecting the three lines running through Brandon.

**Edmonton, Alta.**—Grading has commenced on the To-field-Calgary railway line from Camrose into Calgary. This line will be finished this year. Work has also started on the Vegreville-Calgary C.N.R. branch.

**Phoenix B.C.**—C.P.R. will spend \$20,000 on track improvements between Phoenix and Eholt.

**Yorkton, Sask.**—Engineer Wallace and a party of five G.T.R. surveyors have arrived here and will locate the proposed line between Yorkton and Canora.

## LIGHT, HEAT, AND POWER

**Fort William, Ont.**—Three tenders were received for the gas franchise, while the firm of John Coates & Co., London, England, offered to install a plant. The city had prepared specifications in which they would grant a franchise, but none of the tenderers stuck to these, claiming that it would be impossible to install a plant under the conditions imposed. The only tenders received on these specifications were on a basis of two dollars per thousand cubic feet. The International Heating and Lighting Co., Cleveland, offer to take the franchise on a 25-year basis, not exclusive, and supply gas at \$1.30 on a start, to grade down to \$1 upon sixty million cubic feet issued per year. W.D.B. Turville, Port Arthur, tendered at \$1.30 for a 30-year franchise, also to grade down to \$1. The tenders were turned over to a special committee.

## SEWERS, SEWAGE AND WATERWORKS.

**Forest, Ont.**—Municipal officials are discussing waterworks. The town will have to purchase a new engine in any event, and a system of waterworks may be constructed.

**Fort William, Ont.**—Board of Works have passed plans which involve the expenditure of \$110,000 on sewer construction.

**Saskatoon, Sask.**—Geo. T. Clark, city engineer, is preparing plans for new sewage disposal works.

**Regina, Sask.**—A. J. ———, C.E., recently submitted plans and estimates of the cost of the trunk sewer to be built in connection with the general sewerage scheme. The total sum involved is \$476,275 of which \$280,000 is to be this year's portion of expenditure. These estimates have been approved by the works committee.

**Victoria, B.C.**—Provincial Government recently decided to conserve the water supply on both sides of the Okanagan lake in order to assure an abundant supply for future demands.

## BY-LAWS AND FINANCE.

The following municipalities have sold debentures as follows:—

Bloomfield, Ont., \$3,000, streets and sidewalks.

Woodstock, Ont., \$37,500.

Hibbert Township, Ont., \$6,525, drainage.

Hespeler, Ont., \$10,509, Niagara power and local improvement.

Stirling, Ont., \$10,000, electric light.

St. Thomas, Ont., \$59,405, Hydro-electric and local improvements.

Nanaimo, B.C., \$100,000, sewer.

Welland, Ont., \$105,242, \$18,642, \$23,600 and \$63,000 for sewers, schools and concrete walks.

**Three Rivers, Que.**—A bill will be presented to the Legislature asking permission to borrow \$200,000 for improvement purposes.