

CANADIAN CONTRACT RECORD

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PUBLIC WORKS • TENDERS • ADVANCE INFORMATION • AND MUNICIPAL PROGRESS

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Information solicited from any part of the Dominion regarding contracts open to tender.

ADVERTISING RATES ON APPLICATION.

At its Convention held in Toronto, Nov. 20 and 21, 1889, the Ontario Association of Architects signified its approval of the CANADIAN CONTRACT RECORD, and pledged its members to use this journal as their medium of communication with contractors with respect to advertisements for Tenders.

The following resolution was unanimously adopted at the First Annual Meeting of the Province of Quebec Association of Architects, held in Montreal, Oct. 10th and 11th, 1890: "Moved by J. Perrault, seconded by A. F. Dunlop, that we the Architects of the Province of Quebec now assembled in Convention being satisfied that the CANADIAN CONTRACT RECORD affords us a direct communication with the Contractors, Resolved, that we pledge our support to it by using its columns when calling for Tenders."

Subscribers who may change their address should give prompt notice of same. In doing so, give both old and new address. Notify the publisher of any irregularity in delivery of paper.



NOTICE TO CONTRACTORS.

Tenders will be received by registered post addressed to the City Engineer, Toronto, up to 11 o'clock a. m. on FRIDAY, THE 7TH DAY OF OCTOBER, 1892, for the construction of the following works:

TRACK ALLOWANCE ONLY.

On Avenue road, from Bloor street to north city limit, asphalt on concrete, with granite or scoria toppling.

On Queen street, from the G. T. R. crossing to Lee avenue, cedar blocks on concrete, with granite sets.

On High Park avenue, from Roncesvalles ave. to High Park, cedar pavement with concrete and granite toppling.

Plans can be seen and forms of tender obtained at the City Engineer's office on and after Tuesday, October 4th, 1892.

A deposit in the form of a marked cheque payable to the order of the City Treasurer, for the sum of 5 per cent. on the value of the work tendered for under \$1,000, and 2½ per cent. for the value of the work tendered for over that amount, must accompany each and every tender, otherwise it will not be entertained. All tenders must bear the bona fide signatures of the contractor and his sureties (see specifications), or they will be ruled out as informal.

The Committee do not bind themselves to accept the lowest or any tender.

JOHN SHAW,

Chairman Committee on Works,
Committee Room, Toronto, Sept. 27, 1892.

TENDERS

Will be received at the office of the undersigned until 5 p.m., WEDNESDAY, OCTOBER 5TH, for taking down a building at the corner of Adelaide and Victoria Streets. Lowest or any tender not necessarily accepted.

STRICKLAND & SIMONS, Architects,
18 Toronto Street.

PRESERVATION OF STONE.

Limestones are for many reasons, eminently suitable for constructive purposes, being cheap and easily worked, but they readily absorb moisture. This, as it usually contains carbonic acid, gradually dissolves away the material of the stone, and in winter, serious injury is often caused by the freezing of this water and its consequent expansion. Several methods of rendering this material porous have been proposed, but not frequently has the remedy been worse than the disease. Alkaline silicates were at one time in favor for this purpose, but in its application, soluble hygroscopic alkaline carbonates are formed, which seriously affect the utility of the process. Moreover, unless care is taken in the application of these silicates, a hard impervious varnish is given to the surface of the stone, within which the water in dissolving the silicates is imprisoned, and on the first frost serious disintegration takes place. M. M. Faure and Kessler have recently been at work on this question, and as a result of their experiments recommend the use of metallic fluosilicates more especially those of aluminium, magnesium and zinc. The surfaces to be treated are brushed over with a solution of salt chosen, causing on the first application an abundant froth due to the liberation of carbonic acid gas. When dry the operation is repeated once or twice, depending on the quality of the stone, on an average for soft stones 1.7 pounds of solution to 40 Beaume are required, per cubic yard. The advantages are that the process is completed in twenty-four hours, it allows the stone to be polished, and by a suitable choice fluosilicate used, different colors can be communicated to it; and lastly, the process is cheap, and applicable not only to stone, but to all cements and mortars containing lime. The theory of the process is, that a double decomposition occurs, forming in the first place, silica, calcium and aluminium fluorides, and carbonic acid gas; secondly a reaction takes place between the limestone and the aluminium fluorides, producing aluminium fluorides, alumina, calcium fluoride, and carbonic acid. In this manner each grain of the limestone is covered with an insoluble coat, materially increasing its resistance to atmospheric influences.—*Engineering.*

CONTRACTS OPEN.

ST. JOHNS, QUE.—An improved system of drainage is badly needed.

TRURO, N. S.—Mr. John Chisholm is preparing to erect a new house on Lorne street.

LONDON, ONT.—G. Craddock, architect, will receive tenders until to-day for repairs to Burton's Hotel.

OTTAWA, ONT.—Mr. G. F. Stalker, architect, is preparing plans for the new Parliament building in British Columbia.

BROCKVILLE, ONT.—John Dargavel, Clerk, will receive tenders until the 3rd inst. for building an Isolated hospital in this town.

ALLISTON, ONT.—Tenders are asked until the 15th of October for the purchase of waterworks debentures to the extent of \$15,000. J. C. Hart, Treasurer.

MONCTON, N. B.—D. Pottinger, Chief Superintendent Intercolonial Railway, will receive tenders until the 18th of October for the construction of a steam ferry boat.

CALGARY, N. W. T.—Mr. W. A. Proctor, a Canadian millionaire, has purchased \$30,000 worth of real estate in this town. He will erect a stone block next spring.

AMHERST, N. S.—The Baptists have decided to erect a new church on the site of their present building. The new building will be of brick and stone, and will cost from \$30,000 to \$40,000.

VANCOUVER, B. C.—A company to be known as the British Pacific Construction Company, with a capital of five million dollars, is to be formed to build the Canadian Western Railway.

PORT ARTHUR, ONT.—A by-law has been read a first time in council to submit a by-law to the ratepayers to raise the sum of \$40,000 for the extension of the street railway to West Fort William.

NANAIMO, B. C.—The plans submitted by J. J. Honeymoon, architect, of this place, have been accepted for the new fire hall. The building is to be situated at the corner of Nicol and Victoria streets, and is to be a two-story brick and stone building, constructed in the Gothic style of architecture.

HALIFAX, N. S.—The foundations of eight new houses on Morris street will be commenced immediately. The cost of the whole work is over \$30,000.—The Nova Scotia Power Co. announces its intention to construct an electric street railway from the deep water terminus of the Intercolonial Railway to the south end of the city, by way of Water street.

PORTLAND, MAINE.—Propositions for the construction of a line of railroad from Mechanic Falls to a connection with the Maine Central railroad at some point between Danville Junction and Auburn will be received at the office of the company, 34 Exchange street, until Saturday, October 8th, 1892. Frederic Danforth, Chief Engineer.

TORONTO JUNCTION, ONT.—It has been decided to erect a large flour mill near the power house on the north side, with a capacity of 600 barrels daily. The building is to cost \$60,000. There will be a coöperation in connection. Citizens are agitating for a reservoir.—The sewer-

age Engineer has been instructed to advertise for tenders for materials for the construction of storm sewers.

WINDSOR, ONT.—William M. Boomer, proprietor of the Windsor Street Railway, is negotiating with Detroit capitalists for an extension of the line. If negotiations now pending are carried out \$50,000 of new capital will be added, the line extended on the east to the wine house above Walkerville and on the west to the Michigan Central depot, and the road equipped with a fine electric system.

WATERLOO, ONT.—A meeting of the citizens of Waterloo and the adjoining municipalities was held this week for the purpose of discussing the advisability of aiding in the construction of an electric railway from Hamilton to Guelph. Those present seemed to be in favor of the scheme, and it is thought that a company will be formed at an early date to obtain a charter and proceed with the construction of the road.

KINGSTON, ONT.—Tenders will shortly be asked for the extension of the water pipe. A number of citizens are talking of organizing a joint stock company to build a cable from Kingston Mills to the city to transfer power to the various manufacturing industries.—Negotiations between the Street Railway Company and the City Council in respect to the introduction of electricity have been cancelled, and the Committee on Street has been commissioned to negotiate for an electric car service on streets other than those occupied by the present company.

WOODSTOCK, ONT.—It is understood that a prominent citizen of the East End is considering the erection of a flour mill in that part of the town with a capacity of 100 barrels daily. The ratepayers will vote on a by-law on the 12th of October to provide the sum of \$12,000 for the erection of a fire hall and the equipment of a complete fire alarm system.—The Water Commissioners have decided to extend the water mains as follows: on Graham street to the north side Brant street, on Mill to Russell street, on Hay to Bruce street, and on Bruce to Spencer.

WINNIPEG, MAN.—The City Council has advertised its intention to construct a sewer on 2nd ave. south from 9th st. south to 11th street south, and on 10th st. south from 2nd ave. south to Central ave.—Tenders have been called for the constructing of pipe sewers on Main street north and Prairie street.—It is stated that Mr. James Billings, a Duluth capitalist, contemplates the erection next spring of thirty or forty dwelling houses in this city, the cost of which will be from \$1,500 to \$2,000 each. Robert Jaffray and Geo. A. Cox, of Toronto, who are interested in Winnipeg property, contemplate erecting a handsome block here. The New York Life Assurance Company are considering the erection of a large building in this city.

HAMILTON, ONT.—R. Clohery, architect, will receive tenders until to-day (Saturday) for the mason and carpenter work required in extensive additions and alterations to the Loretto Convent in this city. A building permit has been granted to Thomas Allen, for four two-story brick dwellings on Queen street and six on Pearl street, to cost \$10,800.—It is proposed to utilize a large