

in place; concrete dam and gate house, containing about 5,000 yards, and for 4,000 barrels Portland cement. Smith, Kerry & Chace, engineers, Winch building, Vancouver, B.C., and at Calgary, Alta., where further particulars may be obtained.

VANCOUVER.—A twenty-mile ditch system is being constructed for the Quesnelle Hydraulic Gold Mining Company, in the Cariboo Mining district by Messrs. Burr & Ferguson, civil and hydraulic engineers, 216 Loo Building, Vancouver, who are in the market for supplies required in connection with the construction of dams, tunnels, ditches, flumes, pipe lines, etc., and invite manufacturers of such material to forward them descriptive literature.

CONTRACTS AWARDED.

Nova Scotia

HALIFAX.—Tenders for supplying three thousand feet of 2½-inch hose, three hundred feet of chemical hose and some suction hose were not considered by the board of works, at their recent meeting, because the specifications called for a four-year guarantee and the tenders submitted were only on the basis of a three-year guarantee.

Quebec.

MONTREAL.—A contract was awarded for paving work to Laurin & Leitch, by the St. Louis Council.

MONTREAL.—The Water Committee awarded a contract to Messrs. Muir and Son, for 12,000 tons of Old Mines Sydney soft coal at \$3.65 per ton. This is the lowest figure the city has paid for a long time.

Ontario.

OTTAWA.—The Government has formally awarded the contract for the construction of the Kippewa dam to Morrow and Beattie, of Peterborough. The work is to cost \$26,210. The dam will create in Lakes Temiskaming and Kippewa reservoirs for the conservation of waters for distribution during the summer months.

ORILLIA.—Mr. J. A. MacIlwraith will lay 20-inch cast iron pipe from the corner of King and Front Streets, into the pumping station, at 83c. a foot, the town to supply the pipe.

PORT ARTHUR.—Tenders for the construction and equipment of a power station in connection with Hydro-Electric Power Commission, to cost approximately \$60,000, are in the hands of the commission and will probably be considered at an early date.

HAMILTON.—A new supplied wagon for the fire department will be furnished by J. D. Patterson & Company, for \$165.

SARNIA.—P. Corrigan & Company, have been awarded a contract for the construction of the Durand Street sewer, at \$6,927.73. Fred. Wales offered to do the work for \$6,827.73.

TORONTO.—On page 521 of last week's issue we announced the award of contracts for 16 sixteen-inch stop valves and 2 check valves for water mains. The Canada Foundry Company were given the contract for the check valves at \$74.27, while Mr. Matthew Warnoch received the order for 16 stop valves at \$93.50 each. Other tenders were:—

| Stop Valves. | Check Valves. |
|---------------|---------------|
| \$100.25 each | \$130.25 each |
| 99.00 " | *125.00 " |
| 95.40 " | 81.41 " |
| 245.00 " | 75.00 " |
| 146.26 " | 85.00 " |

*Flange ends, \$95 each.

TORONTO.—The City of Toronto received the following tenders for electrical apparatus for the waterworks, particulars of which were given on page 42, of the Canadian Engineer for October 15th:—

| Section No. | Alternative "F." | Alternative "F. 1." | Alternative "F. 2." | Section "G." | Section "H." | "F., "G., "H." & comb'd |
|-------------|------------------|---------------------|---------------------|--------------|--------------|-------------------------|
| 1 | 61,450 | Add \$ 250 | Add \$865 | 43,975 | 17,460 | |
| 2 | 74,184 | Deduct 2006 | " 1,061 | 49,951 | 14,347 | |
| 3 | 75,465 | " 7000 | " 1,000 | 50,170 | 16,585 | |
| 4 | 56,319 | Add 2840 | " 1,605 | 40,674 | 13,257 | 107,756 |
| 5 | 83,936 | " 3422 | " 1,599 | 47,379 | 10,730 | 140,145 |
| 6 | 72,750 | " 2650 | " 1,350 | 48,100 | 16,060 | |

It will be observed that only two tenders were submitted for sections "F.," "G.," and "H." combined, viz., tenders No. 4 and 5. No. 4, the tender of the Canadian Westinghouse Company was accepted. The next lowest tender for section "F." and "G." is No. 1, of the Dick, Kerr Company of England, submitted by the Canadian representatives—Chapman & Walker, Toronto. Tender No. 5, containing the lowest individual price on section "H.," is that of the Lancashire Dynamo & Motor Company of England.

TORONTO.—Contracts were awarded on Wednesday for eighteen pumps which will be installed in connection with the waterworks extensions. Section A, awarded to Jens Orten Boving, London, England, \$14,800, was for four pumps with a capacity of 13,500,000 gallons each, for the main pumping station. The highest tender was \$52,200. Section B, John McDougall, Caledonian Iron Works, Montreal, \$11,703, was for two pumps with a capacity of 5,000,000 gallons, for the high-pressure fire system at the main pumping station. The highest tender was \$35,000. Section C, Jens Orten Boving, \$6,500, was for four pumps with a capacity of 16,000,000 gallons each, for the high-level pumping station. The highest tender was \$24,000. Section D, John McDougall, Caledonian Iron Works, \$7,385, was for four pumps with a capacity of 6,500,000 gallons each, for the high-level pumping station. The highest tender was \$18,400. Section E, Canadian General Electric Company, \$4,822, was for four pumps with a capacity of 1,500,000 gallons each, for the Island pumping station. The highest tender was \$14,500.

WESTON.—On page 522 last week we gave the names of the successful tenderers in connection with the waterworks here. This week Mr. George B. Maark was awarded the contract for the filtration basin, at \$2,675. The unsuccessful tenderers were John F. Connolly, \$2,900, and J. H. McKnight, \$2,700.

Saskatchewan.

MOOSE JAW.—Coal for power plant contract was awarded to J. H. Wellington at \$5.30 a ton f.o.b., Moose Jaw. Other bidders were:—Pioneer Lumber Company, \$5.10; Hitchcock & McCulloch, \$5.10 and \$6.05; McLean-Hodge Company, \$5.40 and \$5.35; C. W. Milestone, \$5.40. All prices were f.o.b. cars, Moose Jaw, where all firms tendering are located.

RAILWAYS.

Ontario

PORT COLBORNE.—It is thought that the construction of the electric line from Port Colborne to Welland will be completed by January.

OTTAWA.—The C. P. R. company will seek authority to build a line of railway from a point on its Pheasant Hills branch at or near Asquith, Sask., northwesterly for a distance of twenty miles.

SIMCOE.—A resolution was passed at a recent meeting of the town council to grant permission to Brantford-Port Dover Electric Railway to construct a line through the town of Simcoe.

TORONTO.—Word was received at the Toronto offices of the Grand Trunk Pacific this week that the section of the new line between Wainwright and Edmonton, Alta., will not be ready for through traffic till the spring. The road is in order, but the Railway Commission has refused to allow through trains to run, until the line has been properly fenced all the way. Contractors are rushing the work, but there are several months' work yet to be done.

FORT WILLIAM.—Master mechanics of the entire C. P. R. system held their annual meeting here on November 5th and 6th. Among those attending were representatives from the Atlantic to Pacific, including Vancouver, Calgary, Halifax, Montreal and Toronto. The meeting was held to discuss and devise ways and means for the betterment of the mechanical department.

PORT ARTHUR.—The C.N.R. will erect new sheds and a 40-stall round-house here.

WINNIPEG.—The final location surveys for the Hudson Bay railway from the Pas Mission north are being pushed forward rapidly and at the present time 20 miles of the railway are ready for the contractors. No matter which terminal is selected on the bay, either Churchill or Nelson, the first 200 miles follow the same route, and it is expected that this will