

RAILWAYS.

Sault Ste. Marie, Ont.—The O'Boyle Construction Company was awarded a contract for the construction of 31 miles of railroad from Hawk Lake to Hobon, which will connect the C.P.R. and A.C.R., so that direct connection along the Algoma Central main line to Winnipeg will be possible.

Ottawa, Ont.—The Canadian Pacific Railway Company have filed plans involving an outlay of about one million dollars for an underground line through the city connecting the Central Station near the foot of the Rideau Canal with the company's Union Station in the northwestern part of the city. The connection between the two stations is now made by a roundabout line across the Ottawa River and around the outskirts of Hull. The proposed new line will give the shortest route between the two stations, will enable all trains to be run through to the Central Station in the heart of the city, and will cut off several miles of the company's through line from Montreal to the West. The company proposes to acquire from the Dominion Government the bed of the Rideau Canal from the "deep cut" to Sapper's Bridge, a distance of about half a mile, and after diverting the water in the canal to the Rideau River, to run its railway line along the course of the waterway, paralleling the present railway entrance to a point opposite the new station. From there it is proposed to construct an underground tunnel from near the post-office under the same to a point on Wellington Street, near the waterworks aqueduct property, and thence on the street level to a connection with the C.P.R.'s present lines at the Union Station.

Port Arthur, Ont.—The new route laid out for the extension of the Canadian Northern Railway east from Port Arthur to Sudbury, on which engineers have been at work for several months, is proving to be much more favorable to railway construction than was hoped for. The divide between Port Arthur and Nepigon is crossed at an elevation of 220 feet lower than where it is crossed by the Canadian Pacific Railway. This insures a four-tenths grade. The line will probably skirt the shore for some distance along Thunder Bay.

Toronto, Ont.—It is reported that the Canadian Pacific Railway will commence early in June on extension to their yards at North Toronto. These include a subway and a new passenger station on Yonge Street, and extensive freight sheds. Another subway may be built at the Avenue Road crossing.

Toronto, Ont.—The Toronto Railway Company have submitted to the Ontario Railway and Municipal Board for approval the list of new street car lines the company agreed to construct, as follows:—Teraulay Street, from Queen to Agnes, west across University Avenue, Anderson and St. Patrick to Bathurst. Victoria Street, from Adelaide to Wilton east, across the new bridge to a point east of Broadview Avenue. Shuter Street from Yonge to Victoria. Harbord Street, from Spadina Avenue to Ossington Avenue. Single track on Louisa Street, Teraulay to James. Single track on James Street, Louisa to Queen.

Welland, Ont.—A street railway will probably be built here at an early date. The ratepayers will shortly vote.

London, Ont.—The C. P. R. has just taken over a piece of land in the east end of London, which will be used for a new roundhouse, station, shops, yards and office buildings. It is said that practically all repair work now being done in Toronto will be done here.

Camrose, Alta.—For the first time in the history of Alberta the lines of three transcontinental railroads were connected with one town when the steel of the Canadian Northern was laid into Camrose last week. The diamond crossing the Canadian Pacific Railway track is completed and the sidings in their yard are finished, and steel is being laid south toward the Battle River. The grade is connected about 40 miles south of Stettler, and the track laying will be pushed as far as possible. The telegraph crew is following closely and the poles are up as far as Camrose, while the wiring is finished to within five miles of Camrose.

Edmonton, Alta.—The contract for the first fifty miles of the C. N. R. main line west of Edmonton has been awarded to Malcolm McCrimmon, of Edmonton, who will start construction at once. Surveys of the main line have been completed through to the coast, and construction is now to be rushed with the object of reaching the coast in three years.

Vancouver, B.C.—The Western Canada Power Co. will shortly commence the construction of an eight-mile railway, which will be operated in conjunction with their new power plant at Stave Falls, from whence the first power will be delivered this week.

Philadelphia, Pa.—At the special meeting of the Lake Superior Corporation stockholders, in Camden, plans were approved for the extension of the Algoma Central-Hudson Bay Railroad from the end of the present line ninety miles to Hobon on the Canadian Pacific. Plans for financing the company were also approved. Under the terms of the land grants from the Canadian Government the work must be done at once. President Drummond announced that the cost of construction had been estimated at \$3,162,000, and the officers estimated that the net earnings for the first year after completion would be \$552,900 for the railroad, and \$75,000 for the steamship line, a total of \$627,000.

SEWERS, SEWAGE AND WATERWORKS.

Montreal, Que.—A new six-million-gallon turbine pump costing \$30,000 will be among the items in the \$375,000 bill for water extensions in different parts of the city. This is to supply high-level territory recently annexed to the North End, and the total cost of that particular task, with an \$8,000 pump house and \$126,000 worth of pipe, will be \$173,000. For the new territory of Villeray and northern St. Denis no pumping is needed, and the piping will cost only \$36,440; while that of Rosemount is a trifle of \$6,910. For new mains in the old sections there is \$45,000, and for new service pipes \$35,000. The sum of \$39,000 is for the third section of a new elevating main on Montigny Street. The high-level reservoir will cost \$6,000 to make water-tight. Improvements to the low-level station cost \$15,455.

Quebec, Que.—The Private Bills Committee sanctioned the addition of a new clause to Montreal's bill empowering the city to raise by by-law an additional loan of five million dollars, in order to establish a water filtration plant; to further enlarge the waterworks; to put down mains, and to provide a water supply for the newly annexed districts, and also to construct sewers in the new wards.

Chatham, Ont.—Water commissioners have decided to meter the water supplied to factories, stores, hotels, etc. Meters may either be purchased direct from manufacturers or through the city.

St. Thomas, Ont.—Hazen & Whipple, who were engaged to report on waterworks extensions here, have recommended improvements to cost \$32,000. They include: Construction of a coagulating basin (at \$7,500), and aerator (at \$1,000), on side hill near the pumping station, at distance of about 500 feet, \$8,500; connections to and from this basin to the pumps to consist of 80-inch cast iron pipe, \$3,000; installation of two electrically-driven centrifugal pumps to be installed in the present station, taking water from the reservoir and lifting it to the aerator above coagulating basin, \$1,500; the construction of a pure water reservoir of covered concrete, reinforced with steel, with fire equipment and a capacity of 600,000 gallons, near present station below level of filters connecting piping from present filters to this basin, \$8,500; installation new coagulating apparatus and controllers on discharge lines to regulate the flow of the filter, \$2,500; installation of proper loss of head gauges, \$2,500. The cost of engineering in connection with this was estimated at \$4,200, making a total of \$32,200. The consulting engineers agreed with most of the details of a report prepared previously by City Engineer Jas. A. Bell.

Vancouver, B.C.—Board of Works have decided on a general sewerage scheme for Mount Pleasant and Fairview. The work will cost over a hundred thousand dollars, and tenders will shortly be invited.

Victoria, B.C.—H. M. Burwell, consulting engineer, of Vancouver, has been engaged to report on the Sooke Lake water scheme.

BY-LAWS AND FINANCE.

Bowmanville, Ont.—On 31st May ratepayers will vote on a by-law to purchase the electric light plant for \$12,000.

Ingersoll, Ont.—Council have passed by-laws to take over the electric light at \$39,800 and for waterworks extension to cost \$55,000.

New Hamburg, Ont.—Ratepayers will vote on a by-law