

Coast to Coast

Vancouver, B.C.—The large wharf that is being constructed for the Vancouver Island division of the Canadian Northern Pacific Railway will be ready for use early in the new year.

Moose Jaw, Sask.—During the past season 9.85 miles of streets were graded, involving the excavation of 30,680 square yards of material at a cost of \$8,530.17, or a rate of 27.8 cents per cubic yard. The city has 36 miles of graded streets.

Moose Jaw, Sask.—The city has 35.66 miles of sanitary sewers, of which 2.33 miles were laid this year. The mileage of water mains is 66.44, of which 2.90 miles were laid this year. The number of fire hydrants on domestic water mains is now 306, of which 22 have been installed during the season.

Galt, Ont.—The Lake Erie and Northern Railway line has been connected up with the C.P.R. line at Main Street. The ballasting of the new road in Galt is now about complete, and work has commenced on the erection of a station on Main Street pond, the filling in of which has been finished.

Victoria, B.C.—The construction of a wharf at Patricia Bay has been commenced by Mr. S. Doe, who has been awarded the contract by the Canadian Northern Pacific Railway Company. The structure will have a width of 64 feet and a length of about 145 feet.

Vancouver, B.C.—The Dominion Board of Railway Commissioners, in session at Vancouver some time ago, cancelled their previous order for viaducts at Pender, Keefer and Harris Streets, over the V., V and E. Railway. A similar viaduct on Hastings Street, ordered at the same time, had not been subjected to delay and is already nearing completion.

Lytton, B.C.—To conclude the section of the C.N.R. between Summit and Kamloops, about 105 miles of track are still to be laid between Albreda and Lytton. Some 65 miles have still to be laid between Port Mann and Kamloops. These are the only remaining sections of the main line. Work is being proceeded with at the rate of 4 miles per day.

Welland, Ont.—The first tubular steel flag-pole made in Canada has recently been erected in Merritt Park. It is 76 ft. long and weighs 2½ tons. It consists of four sections of lap-welded steel pipe. The pole is anchored in a concrete foundation 6 ft. square and 7 ft. in depth. It was manufactured by the Page-Hersey Iron, Tube and Lead Company, Welland.

Toronto, Ont.—Property Commissioner Chisholm recently presented a report showing that the gross value of all civic properties was \$35,712,806. The principal items were: City Hall and other public buildings, \$6,278,366; Public schools, \$6,540,097; parks, \$12,352,893; tax sale lands, \$1,270,666; High schools, \$1,798,922; waterworks, \$1,022,795; revenue-producing property, \$2,729,191; Hydro properties, exclusive of plant, \$269,110.

Saanich, B.C.—On the branch of the Canadian Northern Pacific Railway Company from Victoria to a terminus on the Saanich Peninsula there is a large cut extending for a distance of about 700 ft. and involving the removal of about 50,000 cu. yards of gravel. The excavation is now practically complete, and has been carried out by the firm of McDonald, Nettleton, Bruce, Essbach and Company. Rail-laying on this section has commenced.

Hamilton, Ont.—The Dominion Railway Commission has directed the city's engineering staff, and also the engineering staff of the T., H. and B. Railway, to prepare reports and estimates on the cost of grade separation for submission to it on February 1st, 1915. This is in connection with the old dispute between the city and the company, occasionally referred to in these columns. The Commission has advised the city and railway to get together as much as possible in an attempt to settle their difficulties.

Outremont, Que.—A special feature of the town's new lighting system is that it is entirely served by underground cables, and also that nitrogen-filled tungsten lamps are used exclusively. In both these respects the town deserves publicity, in that it is the first Canadian municipality to inaugurate the above features completely. The town has about 20 miles of lighting system. The installation has cost about \$75,000, and has been installed by Town Engineer Duchastel, with the consulting engineering supervision of Mr. L. A. Herdt, of Montreal.

Cobalt, Ont.—The preliminary work in connection with the draining of Cobalt Lake has been completed, and it is at present being lowered, by gravity, to an elevation of 6½ ft. below normal, at which elevation pumping will commence in the spring. The pumping equipment is now in place. The greatest undertaking in connection with this project has been the supply of water for concentrating purposes to the various mills now getting their supply from Cobalt Lake. This has necessitated the damming of a series of lakes and pumping water through an extensive piping system to the mills.

Guelph, Ont.—County Roads Superintendent Young's report outlines the work of two outfits of road machinery continuously employed during the season. Several bridges were built, including the following: Moore's, Pilkington Tp., \$845.26; Burnett's, Pilkington Tp., \$924.60; Powell's, Peel Tp., \$505.26; Parkinson's, Eramosa Tp., \$1,037.05; Walker's, Maryboro Tp., \$349.11; Scanlon's, Nichol Tp., \$458.81; Blyth's, Guelph Tp., \$769.02; Moorefield bridge, retaining wall, Maryboro Tp., \$2,416.83; Kitley's bridge, Maryboro Tp., \$207.51. Considerable drainage, grading and resurfacing on several of the county roads have been proceeded with, the materials used for resurfacing being mainly broken stone and gravel.

Leamington, Ont.—The town has recently awarded the contract for the construction of a drain to consist of 6,500 ft. of open drain, with 6 ft. bottom, 3,371 ft. of 4-ft. concrete tile, 1,456 ft. of 36-inch, 2,935 ft. of 30-inch, 2,956 ft. of 20-inch, and about 2,000 ft. each of 12, 8 and 6-inch, together with 34 catch-basins, 17 manholes, and a small bridge. The contract for the work, which is known as the Selkirk drain, was awarded to the Webster Construction Company, of London, the price being \$24,999.50. The contractor intends to manufacture his own concrete tile. Walter Thorold, C.E., consulting engineer, Toronto, was called in to report upon this work some time ago, and it is on his recommendation that reinforced concrete construction was adopted.

Moose Jaw, Sask.—According to a recently issued report of Mr. Geo. D. Mackie, city engineer-commissioner, there are now 40.16 miles of concrete sidewalk in the city, of which 11.25 miles were constructed this year. The Moose Jaw Construction Company had the contract for this season's work, the price being \$104,968. The unit price per square foot for the sidewalk was 20.4 cents as against an estimated cost of 25 cents. The total area of the walk laid was 51,000 square feet, curb and gutter 56,000 lineal feet, excavation 20,000 cubic yards, and 7,400 square feet of lane crossings. This contract was stopped in August owing to the outbreak of the European war, and there is left still to be carried out under the contract on the 1914 work about 25,000 square feet of sidewalk.