

mence work on Contract No. 2 in August, and to have this completed within a year. The Joint Sewerage Board also proposes to proceed this year with the levelling of Burnaby Lake. When the water is at its lowest in July and August, it is intended to clean out the Brunette River from North road to the lake, and thus to increase the flow of water out of the lake, dropping the level several feet. This will have the effect also of increasing the flow from Still Creek, west of Burnaby Lake. The board will probably straighten Still Creek and endeavor to make it a better carrier of drainage water from this district. There is also a possibility that the sewerage board may take steps this season to extend the Balaclava main trunk in Kitsilano south to the city boundary line.

Fraser River, B.C.—The boring at the mouth of the North Arm of the Fraser river for the location of the best course for the channel in connection with the proposed harbor works, has proven satisfactory. The contract for this work was awarded to K. S. Robinson, of Vancouver. One hole sunk on the south of McMillan's Island, between that island and Sea Island, went down 45 feet and found nothing but sand and clay. Another off the Indian reserve was sunk 75 feet and down to 63 feet only sand and clay were encountered, when hard pan was struck. Several other holes have been bored at the mouth of the stream, and all have been equally satisfactory. Surveyors, also, are making current and water observations in the river, as well as surveying the foreshore and locating suitable places for test-boring. Also, good progress is reported on the construction of the long jetty at the mouth of the North Arm at the point of McMillan's Island. This, which will be 4 miles in length, will run parallel with and about 1,500 to 2,000 feet from the shore, and is being built by the Federal authorities for the protection of the channel, so as to prevent the sand from the sand heads silting up the channel, by the action of the tides. About a mile of bulkheading is already done, and work is now proceeding a mile further out towards the gulf, from the end of McMillan's Island, and directed landwards. Mattressing will be commenced when the jetty has progressed somewhat further.

PERSONAL.

J. C. NELSON, of Fort Rouge, Man., has been appointed traffic superintendent on the new railway in connection with the Greater Winnipeg Water District. Mr. Nelson has been in railway work for 23 years. In 1907 he joined the staff of the Northern Pacific Ry., at Winnipeg.

R. W. LEONARD, C.E., is resigning his position as commissioner of the National Transcontinental Railway, and the Department of Railways and Canals, Ottawa, will assume charge of his duties. It is reported that F. P. Gutelius, general manager of the Intercolonial Railway will be given charge for the Government of its whole system of railways—i.e., the I.C.R., the N.T.R. and the Hudson Bay Ry.

OBITUARY.

From Brandon, Man., comes the report of the death of Arch. M. Leitch, for many years a prominent contractor on the western lines of the Canadian Pacific Railway Company. Mr. Leitch was born in Argyle, Scotland, 66 years ago, and at the age of 36, became engaged in railway building in Canada.

An extremely sad fatality occurred at Copper Cliff, Ont., on the morning of June 25th, when Fred. J. Bedford, a '08

graduate in mining of the University of Toronto, was instantly killed while examining the mechanical operation of a skip in Mine No. 2 of the Canadian Copper Company.

Mr. Bedford had proceeded to the 10th level and was stationed at the side of the shaft when, owing to a mistaken signal, the skip descended upon him from the 9th level, causing instant death.

Mr. Bedford entered the employ of the company in 1908. Shortly afterward he proceeded to Porcupine and took charge of the Dome Mine at its opening. Later he entered into private practice in a consulting capacity and in assessment work. In November, 1913, he returned to Copper Cliff where he had since occupied the position of shift boss of No. 2 mine.

COMING MEETINGS.

AMERICAN SOCIETY FOR TESTING MATERIALS.—Seventeenth Annual Meeting to be held in Atlantic City, N.J., June 30th to July 4th, 1914. Edgar Marburg, Secretary-Treasurer, University of Pennsylvania, Philadelphia, Pa.

AMERICAN SOCIETY OF ENGINEERING CONTRACTORS.—Summer convention to be held at Brighton Beach, N.Y., July 3rd and 4th, 1914. Secretary, J. R. Wemlinger, 11 Broadway, New York.

UNION OF CANADIAN MUNICIPALITIES.—Annual Convention to be held in Sherbrooke, Que., August 3rd, 4th and 5th, 1914. Hon. Secretary, W. D. Lighthall, Westmount, Que. Assistant-Secretary, G. S. Wilson, 402 Coristine Building, Montreal.

WESTERN CANADA IRRIGATION ASSOCIATION.—Eighth Annual Meeting to be held at Penticton, B.C., on August 17, 18 and 19. Secretary, Norman S. Rankin, P.O. Box 1317, Calgary, Alta.

AMERICAN PEAT SOCIETY.—Eight Annual Meeting will be held in Duluth, Minn., on August 20th, 21st and 22nd, 1914. Secretary-Treasurer, Julius Bordollo, 17 Battery Place, New York, N.Y.

CANADIAN FORESTRY ASSOCIATION.—Annual Convention to be held in Halifax, N.S., September 1st to 4th, 1914. Secretary, James Lawler, Journal Building, Ottawa.

ROYAL ARCHITECTURAL INSTITUTE OF CANADA.—Seventh Annual Meeting to be held at Quebec, September 21st and 22nd, 1914. Hon. Secretary, Alcide Chausse, 5 Beaver Hall Square, Montreal.

CONVENTION OF THE AMERICAN SOCIETY OF MUNICIPAL IMPROVEMENTS.—To be held in Boston, Mass., on October 6th, 7th, 8th and 9th, 1914. C. C. Brown, Indianapolis, Ind., Secretary.

AMERICAN HIGHWAYS ASSOCIATION.—Fourth American Road Congress to be held in Atlanta, Ga., November 9th to 13th, 1914. I. S. Pennybacker, Executive Secretary, and Chas. P. Light, Business Manager, Colorado Building, Washington, D.C.

AMERICAN ROAD BUILDERS' ASSOCIATION.—11th Annual Convention; 5th American Good Roads Congress, and 6th Annual Exhibition of Machinery and Materials. International Amphitheatre, Chicago, Ill., December 14th to 18th, 1914. Secretary, E. L. Powers, 150 Nassau St., New York, N.Y.

The Ottawa branch of the Canadian Society of Civil Engineers announces the date of its annual meeting as the first Wednesday in October. During the summer months the rooms at 177 Sparks Street will be closed.