

**Regina, Sask.**—Contracts have been awarded by the department of highways, Regina, for construction as follows: Concrete bridge over Wascana Creek, south-east of Regina, E-9-17-19, west of 2nd meridian, to E. J. St. Onge, Maple Creek, Sask. Concrete abutments over Dog Hide Creek near Tisdale, 1-45-15, west of 2nd meridian, to the Parsons Building Co., Regina. Concrete abutments over Swan River, N.E. ¼-22-34,30, west of 1st meridian, to the Parsons Building Co., Regina. H. S. Carpenter, deputy minister.

**Riverside, Man.**—Tenders will be received by J. H. Putman, secretary-treasurer, up till noon, on Saturday, September 13th, 1919, for the construction of a 16-ft. span girder bridge on the N. of N.E. ¼-20-5-17. Plans and specifications may be secured from the office of the highway commissioner, Winnipeg.

**Sarnia, Ont.**—Hon. F. G. Macdarmid, Ontario minister of public works, has communicated with the local Chamber of Commerce to the effect that the government has under consideration the extension of the provincial highway system in western Ontario. The communication refers to the highway which would connect London and Sarnia, and states that probably a survey of the route will be undertaken shortly.

**Scarboro Tp., Ont.**—Tenders will be received by W. D. Annis, township clerk, up to noon, Tuesday, September 2nd, 1919, for grading and gravelling Courcellette Road, from Kingston Road to Windsor Ave., and Lakeside Ave., from Kingston Road south. Plans and specifications may be seen at the office of the engineers, James, Loudon & Hertzberg, Ltd., 36 Toronto St., Toronto.

**St. Jacobs, Ont.**—Construction has commenced on the new 16-ft. concrete, provincial county road north of St. Jacobs. Length of road to be built, three miles. Contractor, Lichty Bros., Wellesley.

**Toronto, Ont.**—At a meeting of the city council, the following by-laws were passed: extension of Duplex Ave. and opening of Cleveland St., \$119,211.73; asphalt pavement on Danforth Ave., widening Kingston Rd. from Balsam to Silver Birch Ave., widening Morton Rd., construction of sewer on Queen St. from Pape to Leslie, \$84,559; completion of Strachan Ave. bridge, \$16,000, and Cherry St. bridge, \$100,000. R. C. Harris, commissioner of works.

**Vancouver, B.C.**—Tenders will be received by Wm. McQueen, city clerk, up to 2 p.m., Tuesday, September 2nd, 1919, for the construction of a protection pier and fender, at Granville Street bridge. Plans and specifications may be obtained at the city engineer's office, city hall.

**Welland, Ont.**—City council passed a by-law providing for the construction of a cement sidewalk on the west side Crowland Ave. City Engineer, Charles L. Coulson.

**York Township, Ont.**—Contracts have been awarded by the county commissioners for construction of the following concrete structures: Abutment for Baldwin bridge to R. H. H. Blackwell, Aurora, Ont., \$2,290. Ramsden bridge to W. H. Sheridan, Toronto, Ont., \$1,512. Frank Barber, engineer, 40 Toronto St., Toronto.

## WATER, SEWAGE AND REFUSE

**Brantford, Ont.**—The city council has decided to enlarge the pumping station at the waterworks plant. Two new engines and two pumps are being installed at present.

**Chatham, Ont.**—The engineers are considering a proposition to pump water to Chatham from the Snye. This source of supply will probably be incorporated in the official report.

**Edmonton, Alta.**—The department of public works, Ottawa, is considering an alternative route for the sewer outlet of the city, to remove same from its present position close to the penitentiary grounds. Commissioner Ormsby.

**Edmonton, Alta.**—Construction of the clear water basin has commenced. Estimated cost, \$30,000. A. W. Hadow, city engineer.

**Edmonton, Alta.**—Tenders will soon be called for construction of a sewer for the Swift packing plant. Estimated cost, \$45,000. A. W. Hadow, city engineer.

**Halifax, N.S.**—In a report presented to the city board of health, Dr. K. G. Mahabir recommended that the city abandon Chain Lake as a source of supply; purchase certain properties on the water-sheds and draw water from Long Lake and Spruce Hill Lake; extend the existing intakes, which are in the "dead" ends of the lakes into deeper water near the centre.

**Hespeler, Ont.**—Tenders will be received until 5 p.m., August 30th, by the town council for laying approximately 5,448 lin. ft. of water mains. Town clerk, M. E. Jardine. Engineer, Herbert Johnston, 130 Lancaster St. E., Kitchener, Ont.

**London, Ont.**—Contract has been awarded by the London township council, for construction of Ox Bow drain, to W. P. Godson & Co., 30 Leopold St., Toronto. Contract price, \$10,146.95. Rejected tenders, E. P. Murray, Stratford, \$13,300, Peter Winter, Parkhill, \$19,500. Mary Grant, clerk.

**Moncton, N.B.**—The city engineer's department will construct sewer along Victoria Ave., Wesley to Pearl St. J. Edington, city engineer.

**Moncton, N.B.**—Contract has been awarded by the city council for construction of sewers on Henry and Cornell St., to Lewis Stephens & Co., St. John, N.B. Contract price, \$12,786.25.

**Parry Sound, Ont.**—Contract has been awarded by the town council for construction of a 6-in. water main on Armstrong Ave., to R. Kenny.

**Quebec, Que.**—Plans and estimates are being prepared by the department of works for construction of sewers in St. Roch's, St. Sauveur and St. Malo on the south side, and along the Limoilou on the north side of the St. Charles River. W. D. Baillairge, city engineer.

**Sandwich, Ont.**—Town council has awarded contracts for sewers as follows: Randolph and Rankin Ave., to Merlo, Merlo and Ray, \$7,000; Felix Ave., to Pettypiece, Ltd., \$4,000; Matchet Rd., and Manchester Ave., to West & Sheehan, \$15,000.

**Sarnia, Ont.**—Tenders will be received until 10 a.m., September 1st, by the Sarnia Cemetery Co., for construction of water works system of piping in Lake View Cemetery. M. A. Sanders, secretary, 215½ Front St. N., Sarnia.

**Toronto, Ont.**—At a recent meeting of the city council, the following by-laws were passed: for relief sewers, \$394,000; for extending and improving waterworks, \$386,000. R. C. Harris, commissioner of works.

**Welland, Ont.**—City council passed a by-law for the construction of a sewer on River Road. City engineer, Charles L. Coulson.

**Welland, Ont.**—A report on the construction of a sewer in the north ward to Parkway Heights was submitted to the city council by City Engineer Coulson. The total cost of the proposed sewer is \$39,369. Consideration of the report was laid over until next meeting.

**Winnipeg, Man.**—The following tenders were received by the department of public works, Winnipeg, for excavating 300,000 cu. yds. material in drainage district No. 2; high tender, Lunt Engineering Co., Winnipeg, 26c. per cu. yd.; low tender, Carter, Halls & Aldinger, Winnipeg, 22.5c. per cu. yd. Estimated cost of work, \$81,000. G. A. Grierson, minister.

**Woodstock, Ont.**—Plans will soon be completed for the treatment and disposal of sewerage for the south side intercepting sewer scheme. By-law to be submitted to the rate-payers, calls for an expenditure of \$110,000. City engineer Ure.

**York Tp., Ont.**—Tenders will be received by the township engineer, Frank Barber, 40 Jarvis St., Toronto, up to 12 o'clock noon, Saturday, September 6th, 1919, for the construction of a sewer on River Road.