

average thickness of 1 1/2 inches. The reinforcement is made with Clinton electrically welded wire cloth, Nos. 6, 8 and 10 gauge, the mixture throughout consisting of one part Portland cement, two parts washed sand and 1 parts broken rock.

This lining was made in sections 12 feet wide, which were started at the bottom and carried up to the coping at the top of the bank in one continuous operation.

Between each section a parting joint has been formed and designed to provide for contraction or expansion in the lining and at the same time maintain a water-tight joint.

INLET PIPE

The inlet pipe consists of a continuous steel riveted pipe with a diameter of 24 inches, built of 3/8-inch steel plate. This pipe was placed in an excavated trench and embedded in concrete before the reservoir was started, and passes through two concrete bulkheads or cut off walls. The total cost of the actual reservoir work was \$25,000.00, which brings the cost per 1,000 Imperial gallons capacity at \$3.80.

The valve arrangement already installed just outside of the reservoir embankment, consists of an 18 inch swing check and an 18-inch automatic regulating valve, also an 18-inch scour valve, all enclosed within a concrete valve house.

The future additions proposed here would be a 24-inch connection from the new high level Seymour Creek supply main, and an 18-inch connection from the Capilano system, made through a 24-inch regulating valve.

NEW HIGH LEVEL SEYMOUR CREEK SUPPLY MAIN

It is expected that this new main will be finished and in operation before the end of next May, (1913), the following being a description of the work:

This supply main from the Second Narrows up to its temporary intake, has a diameter of 36 inches, the diameter here being fixed by an agreement with the Municipality of Burnaby, who will receive water through an 18-inch connection at the north side of the Narrows.

The contract was let to the Macdonald, Godson Co., Ltd., of this city on May 31st, 1911, for supplying 10,000 feet of steel riveted pipe 36 inches in diameter; 20,000 feet of steel riveted pipe 32 inches in diameter, and 6,500 feet of lap-welded pipe 18 inches in diameter. The 36-inch pipe is built of plate ranging from 5 to 16-inch in thickness to 7 to 16-inch, costing \$1.00 and \$1.96 per foot, a short section at the upper end being built of 1 1/4-inch plate.