

nection with Seymour Creek is now being made, a description of which will follow. The following are the dimensions of the reservoir, its capacity and other information:

Top length of reservoir	612 feet
Bottom length of reservoir	511 "
Top width of reservoir	175 "
Bottom width of reservoir	280 "
Depth from top to bottom	25 "
Slopes of inside	2 horizontal to 1 vertical
Top width of bank	115 feet
Width of base of bank	115 "
Total excavation	80,000 cubic yards
Rock excavation	18,000 " "
Plain concrete lining	15,000 sq. "
Reinforced concrete lining	9,835 " "
Cost of excavation	852,000
Cost of concrete lining	11,000
Total cost	863,000

Capacity when filled to the top, 30,000 . . . Imperial gallons
 Capacity with a depth of 22 feet to the top, . . . 25,000 . . . Imperial Gal.
 Elevation of top above sea level, 100 feet

GENERAL DESCRIPTION OF WORK

The excavation work was performed under contract and consisted chiefly of a very hard compact mass of boulder-clay containing large stones overlying bed-rock, all of which had to be drilled and blasted before it could be removed with the steam shovel. The material excavated was filled into dump carts, then hauled away from the shovel by dinky locomotives and placed in the banks.

The banks are formed throughout (except at the rock cut) with the material excavated from the site of the reservoir, the inside portion of the banks being made with the finer and most suitable material for this purpose, and the outer portion formed from the coarser material, boulders and excavated rock.

The finished outside slope of the bank for its entire length is formed with the large pieces of broken rock excavated from bed-rock. This adds to the stability of the bank, improves its appearance and prevents erosion from the heavy winter rains.

LINING OF RESERVOIR

The lining of the bottom consists of concrete slabs made in 12 foot squares, 1½ inches in thickness and provided with parting joints. The side slopes are lined with reinforced concrete, with an