

Plan and Propositions

TO THE MAYOR AND COUNCIL OF THE CITY OF ATLANTA FOR THE CONSTRUCTION OF WORKS TO FURNISH THE CITY WITH WATER BY THE "ATLANTA CANAL AND WATER COMPANY."

The "Atlanta Canal & Water Company" propose to construct works capable of furnishing the City of Atlanta with an abundant supply of pure water, with plans by which the amount can be increased if required. The reservoir, with a capacity of over \$4,000,000 gallons, will have sufficient elevation to raise water at the passenger depot to the height of sixty to eighty feet above the railroad track. The water supply proposed is intended for domestic purposes and public use. Pure water is demanded in the center of the city—where, according to analysis recently made, the water of wells is contaminated to a degree that sanitary considerations forbid its use for drinking purposes. For public consumption in the fire department, watering the streets and sewerage, there is a strong desire for a supply on the part of citizens generally. The plan of works by this company has been considered with an eye to the importance of an abundant present and prospective supply. From statistical accounts of water works where most of the inhabitants are furnished for private use, about 40 gallons per capita make the full average for a day. In Europe where the use of such supply is more general, the average amount per day for each inhabitant is said to be not above thirty gallons. These estimates include the amounts furnished for private and public consumption. In view of these facts the supply contemplated by the Company to a city like Atlanta, half of whose inhabitants are supplied for domestic purposes with the best of well water, will be beyond doubt abundant, even with the prospective increase of population and demand. The plan of construction and items of cost are as follows:

At a point on Utoy creek, selected for the source of supply, the stream is of sufficient size, as found from actual measurement, to afford an abundant supply of pure water.

A site has been selected for pumping works, and the estimates made for real estate, two pumps and boilers, and placing them in position and construction of cistern is \$9,000. Three miles of strong nine inch pipe (cast-iron) for pumping water from the source to reservoir, at the prices of reliable manufacturers, and laying the same make the sum of \$27,795. The site for reservoir on Walker street, and grading, masonry, etc., in its construction, is estimated at \$13,000.

For one mile of 12 inch cast-iron pipe for aqueduct from reservoir to centre of town, and laying the same the estimate is \$16,380.

One mile of 10 inch cast-iron pipe, and laying it, for distributing mains, will cost \$10,990.

These items of cost make the aggregate amount of \$77,560.

In the above there is no estimate for small water pipes, fire plugs hydrants, meters, etc., for consumers, as these are sometimes considered in the contract for water rents, and are required only in proportion to the amount of water used. For these and the possible increase in the size of pipes, pumps and boilers that may be found necessary, \$15,000 should be added to the above aggregate amount, making \$92,560.

The above plan and estimates would have been presented with the approval of an experienced hydraulic engineer, but for the supposition that the Council would pater to have a voice in the selection of such expert.

In view of the pressing demand for water supply, the shortness of the time allowed for accomplishing the work the present year, and the fact that the company can proceed no further until arrangements are made with the city authorities, it is thought advisable to present varied propositions, so as to meet the views of council with the least possible delay.

The Company propose, first, to build water works at their own expense, without the expenditure of a dollar by the city in the construction, for the purpose of furnishing the City of Atlanta with the quantity of water required, even to the full amount specified in the foregoing estimates for reservoir if necessary, at a reasonable price to the consumer, compared with other cities thus supplied; the amount, places of delivery, rates and terms of water rents &c., for the public supply, to be fixed by contract between the Company and City Government, as soon as practicable after this proposition is accepted; also, such other arrangements between the parties as may be necessary to protect private consumers against unjust and extortionary discriminations.

If the above proposition be not satisfactory to Council, the Company propose, secondly, to build the works by means raised on their own obligations, with the endorsement of the City, instead of funds obtained as contemplated in the first proposition, and in consideration of this, the payment of two thirds of the water rent for public consumption, that may accrue for the first two years of the supply, shall be postponed to the end of that time. To indemnify the City against the possibility of loss from failure of the Company to pay the interest or principle of said debt when due, all real estate, material for work, and all other property of said Company, shall be pledged by mortgage to the city, as they come into possession of the Company. In all other respects this is intended to contain the provisions of the first proposition.

The third proposition is that the city take stock in the Company to the amount of thirty to forty thousand dollars, to be paid in as required of other stock holders for construction of the works. The city's dividends of profits in the Company, to be applied, as far as they may go, in the payment of water rent for public consumption; the balance to be paid in cash as provided for in proposition the first. In all other respects this to contain the provisions of the preceding propositions.

By order of the Board of Directors.

J. G. WESTMORELAND, President.

JAMES ADKINS, Secretary.

Atlanta, July 8, 1870