

The Canadian Engineer

A weekly paper for Canadian civil engineers and contractors

Proposed Filter Plant for Walkerville, Ont.

Details of New Plant to Be Erected Next Spring—Provision Made for Adding Units When Required—Initial Installation Calls for Maximum Capacity of 6.7 Million Gallons

IN view of the general industrial development that has characterized the Town of Walkerville, Ontario, during the past few years, and the prospects for still greater development in the days that are to come, it was inevitable that something would have to be done in order to meet and cope with the conditions so far as an adequate water supply is concerned.

In order to do this the Walkerville Water Co., Limited, has secured the services of Mr. R. Winthrop Pratt, of Cleveland, as Consulting Engineer, to design the new filter plant, and prepare plans and specifications for same.

The proposed lay-out of the plant will be clearly understood from the accompanying illustrations.

Location

The plant, Fig. 1, will be located on the north side of Sandwich Street, opposite the intersection of Walker Road. The main entrance to the head house is on Sandwich Street, the buildings extending from the street line to the present pumping station near the Detroit River.

This location will necessitate the removal of one of the large tank warehouses belonging to the distillery of Messrs. Hiram Walker & Sons, Limited.

Basis of Design

The initial installation is designed to treat, normally, five million gallons per day, but provision has been made for increasing the capacity of the plant by the addition of an east wing similar in every way to the one shown west of the head house. Later, more filter units may be added to either end, increasing the capacity of the plant, first to ten, and then to fifteen million gallons. These additions will necessitate the removal of two or more warehouses now used for storing alcohol.

Owing to the intermittent demand at the Walkerville pumping station, it is estimated that a consumption of five million gallons per day will result in a rate, during certain hours, of from six to seven million gallons per day. It is therefore necessary to provide for such peak demand either by constructing ample storage for filtered

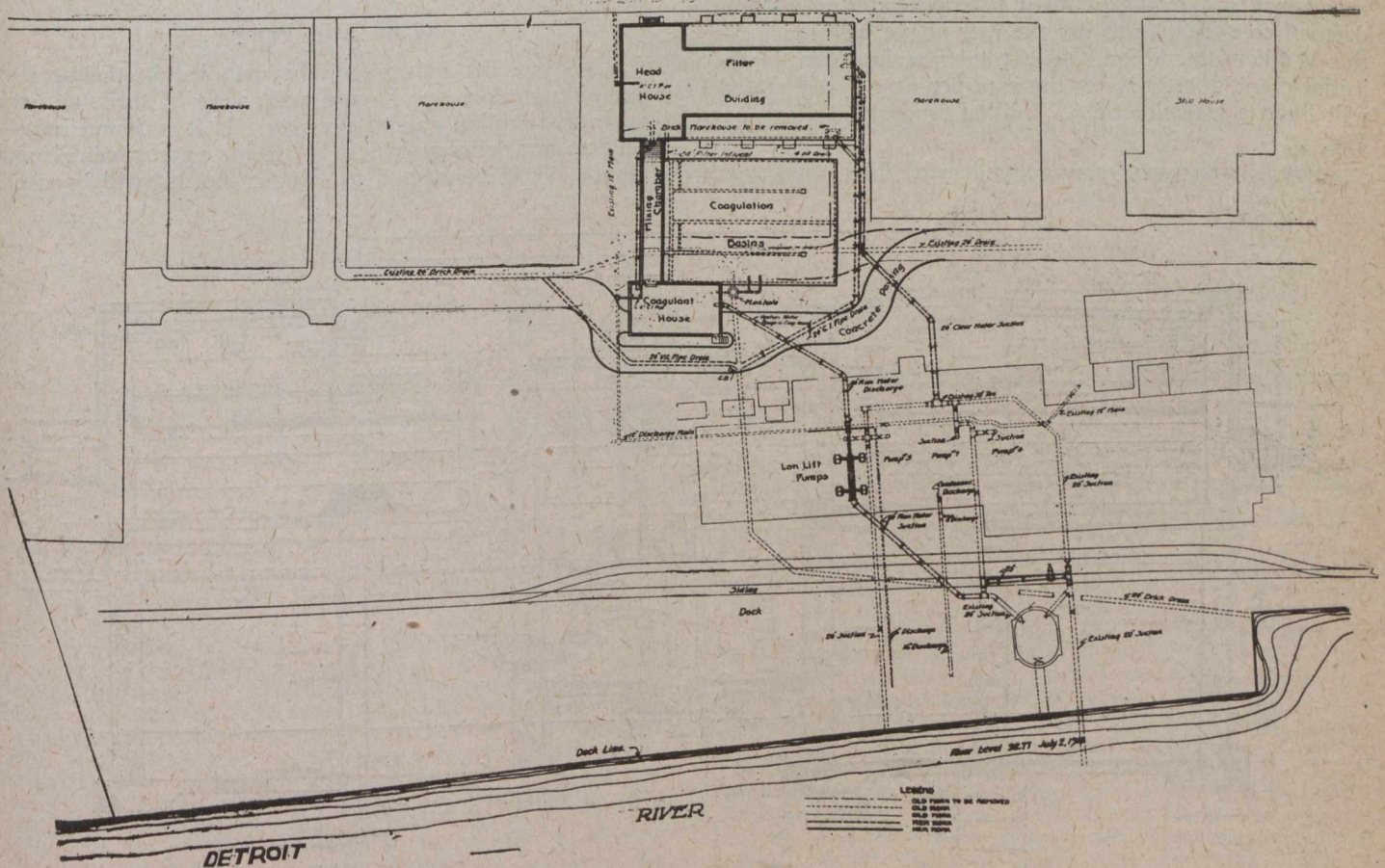


Fig. 1—Location of Proposed Plant in Relation to Detroit River