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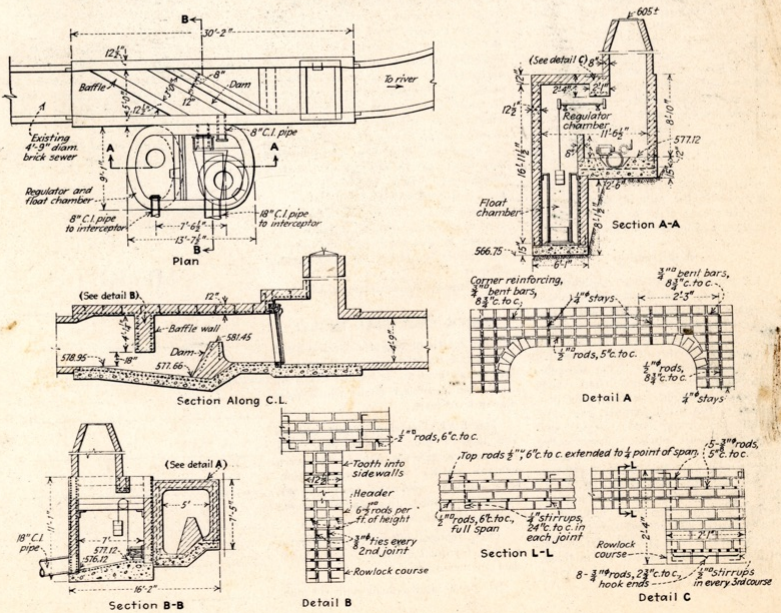
Reinforced Brick Masonry on Dearborn Sewer System

Regulator chamber and dam in old storm sewer, made necessary to fit it for combined flow, are built of brick reinforced with steel rods

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REINFORCED brick masonry was used on the Dearborn, Mich., sewer system for some special construction required to divert the sewage from an existing sewer to an interceptor connecting with the disposal plant. This old sewer had been used for stormwater only but was to be converted to a combined storm and sanitary drain by the new work. During dry weather all of the sanitary flow will be diverted to the disposal plant. Stormflows will be flushed over a dam in the sewer into a river outlet.

The work, located on Michigan Ave. opposite the engineering laboratories of the Ford Motor Co., consisted essentially of replacing 30 ft. of the existing 4-ft.-9-in.-diameter brick sewer with a rectangular sewer section 5 ft. wide, varying in depth from 4 ft. 9 in. to 6 ft. 10 in. and with invert about 26 ft. below the street; of building a regulator and float chamber at one side of the sewer with bottom at 37 ft. maximum below the street level; of installing a dam and baffle wall in the new section of the



Details of reinforced brick masonry used in a diversion and regulating chamber on the Dearborn, Mich., sewer system.

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