

Surveys, Plans, and Estimates

These studies have been carried to the point of assembling only such data as are essential to evaluation of the problem.

Necessary surveys have been stadia surveys by the Engineering Department of Massillon, and conducted so as to enable paper location of the sewer lines.

The plans and profiles are general and are intended to exhibit intent and scope rather than details of alignment or grade. Where laterals are shown they are from foot surveys and are but suggestive of what is practicable. In one or two instances--eg, Wooster Street, Canton Road, etc--the economics of lateral layout have been considered and note thereof made in the text.

The estimates of cost include all items of construction, and also engineering and legal expense, together with an allowance for the acquisition of necessary sewer easements. The resulting totals are in excess of present day sewer costs in Massillon and further reflect a possible increase in the index of construction expense.

In several instances, the suggested layout for laterals calls for artificial drainage by cutting through ridges which subdivide minor watersheds, (eg, North Akron Street, Wooster Street, and New Haven Avenue). The purpose of this is to lessen the total cost of sewerage by eliminating subtrunks which would otherwise be necessary. Because of this, it would be proper to charge the excess cost of such deep laterals to trunk sewers. The estimates included elsewhere do not include this item for the reason that it is impracticable to determine and evaluate all such cases until the program is established and plans initiated.

It is impracticable to determine the expenditure proper for sewer easements. For estimate purposes it has been assumed that in the development of corporate areas, the interests of property owners will result in donation of the necessary rights. Where it is necessary to traverse acreage with a trunk line, there is no particular advantage to the property owner, and a fair payment for the privilege has been included in the totals. The estimates are liberal.

Statement of the details of the estimates has been omitted. They are not justified by the nature of the studies and for other reasons have been kept in the computation record.

Procedure of improvements as indicated in this report will require location surveys and the preparation of detailed plans and estimates together with other data of concern to the State Department of Health. The Health Department will have jurisdiction over all of this work, but will have partial interest in the creation of additional outlets at Columbia Heights and Forest Avenue. General accord with such plans has already been afforded by their approval of the General Sewerage Plan for Massillon.