

Minimum Sewer Grades			
For 8-inch Vitrified Pipe Sewers a Grade of 0.006'			
12-inch "	do	do	0.003%
15-inch "	do	do	0.0022%

5: Prior to advertising paving or repaving contracts, review existing sewerage, and include in the contract provisions for manholes and other minor additions to the old sewers- preferably upon a unit price basis.

6: By ordinance or by regulation require the installation of Grease and oil traps in garages and automobile repair shops.

Relief Sewers

Some consideration has been given to the matter of relieving the existing sewerage of part of its burden in order to alleviate existent or threatened overload. Immediate need for this appears only in the case of the Wooster Street sewer which has been accordingly provided relief by the proposed Wooster trunk. As other need arises it will be feasible to divert from one trunk area to another less burdened. Such changes should be made with care.

Underground Records

Existing records of past sewer construction are deficient and misleading. They are essential to an adequate review of present sewerage and if amplified to include all sub-surface structures they are invaluable to the public and to corporations. It is accordingly suggested that a program as extensive as that contemplated herein should include an allowance for a careful field survey of existing underground structures. The cost would be small; it would provide for one field party, a draftsman and two or three laborers to excavate test holes. The sum of \$6000 should be sufficient.

Storm Water Drains

Drainage of storm water is secured by numerous short sewers which discharge to River, Canal or other water course. No attempt has been made during this study to consider storm drainage other than to make certain that the storm sewers do not carry sanitary wastes. A study of storm drainage needs and their co-ordination with street improvements programs is recommended. Preparatory thereto should be made a topographic map of the City and of surrounding country.

The separation of roof leader discharge from house plumbing has been well handled in Massillon. Inquiry suggests that some storm water still finds its way into