

Trunk Sewer Facilities for North End Area

The following is a study of the ability of the North End Trunk to accommodate the flow from area proposed for annexation.

In the detailed design of this trunk there was included provision for draining 50 acres from outside the corporation. The contemplated addition entails an increase of 117 acres to the watershed of North End Trunk (98 acres to Sippo Trunk).

At the rate of contribution used in the designs for this report the net increase of 67 acres (117 minus 50) would yield a maximum flow of 0.20 million gallons daily, or 0.31 cubic feet per second as a surload to that upon which the designs were based.

To enable determination of the ability of the Trunk to accommodate the increased flow, there are given in the following table, at various critical points, the estimated additions to the sewage flow and the sewer capacity therefor.