

City of Lawrence
Administrative Policy

SUBJECT Sanitary Sewer Extension Policy	APPLIES TO Utilities, Public Works and Planning Departments	EFFECTIVE DATE 1/12/99
APPROVED BY City Commission	TOTAL PAGES 2	POLICY NUMBER AP-76

1.0 **Purpose**

To establish a procedure for new and existing development and connection to the existing sanitary sewer system. This procedure will be administered by the Utilities, Public Works and Planning Departments. Please note: any reference made herein to the 1995 Wastewater Facility Master Plan shall include any subsequent updates.

2.0 **Policy**

- a. The Black and Veatch 1995 Wastewater Facility Master Plan as adopted by Resolution No. 5761, will be the guide to connection to the existing sanitary sewer system.
- b. Sanitary sewer flow calculations will be submitted with the preliminary plat. These flow calculations will be based on projected land use and the flow characteristics assigned to that use for both this development and the upstream portions of the drainage basin, according to the design criteria provided by Kansas Department of Health and Environment (KDHE).
- c. The KDHE design manual criteria will be used to determine design flow and maximum flow for lateral system improvements.
- d. The downstream characteristic of the system will also be investigated by a licensed engineer, according to KDHE criteria and any deficiencies in the downstream system will be noted. The investigation will be required for the gravity systems as well as for lift stations and their accompanying force mains. The investigation will be made on the downstream system until the proposed design flow is equal to or less than ten percent (10%) of the existing design flow. Results of this investigation will be provided to the City Engineer.
- e. If the downstream system is found deficient by the City Engineer, the following choices may be made by the City Engineer:
 - i. Approve the system enlargement with no conditions.
 - ii. Approve a portion of the system enlargement with or without conditions, based on the projected deficiencies (conditions may include limited building permits, timing of construction, etc.).
 - iii. Deny the system enlargement until downstream deficiencies are corrected.

The developer would have the option of correcting the deficiencies at their cost or waiting until the corrections are scheduled per the City's 1995 Wastewater Facility Master Plan and/or Capital Improvement Program. In either case, the design will be based on the criteria set forth in the 1995 Wastewater Facility Master Plan.

- iv. Deny the system enlargement.
- f. If the improvements include a lift station, the City may deny sanitary sewer connections until gravity sewers are installed or until modifications are made to an existing lift station.
- g. Flow investigation will be for entire basin and any proposed discharge received from outside the drainage basin will be a negative considered in the system evaluation.
- h. The City may deny the sanitary sewer system extension for the entire development or allow a portion of the land to be developed.

3.0 Summary

- a. Sanitary sewers in new subdivision or the extension of the existing system will be designed according to KDHE standards. The sizing of the sewer will be governed by the entire tributary area.
- b. Relief lines and lift station modifications will be designed using 1995 Black and Veatch Waste Water Facility Master Plan criteria.
- c. If it is to the best interest of the City, additional capacity may be built into the system initially. If this is done, the developer will be required to pay for the equivalent contribution to the system from the development.
- d. Drainage basin wide sewer system improvements are encouraged so that the cost of the larger lines that would be required at the lower reaches of the basin may be spread over the entire basin. However, if a developer chooses to develop the lower reaches of the basin, and a larger line (greater than 8") is required, the entire cost is the responsibility of the developer.