

JOHNSON COUNTY UNIFIED WASTEWATER DISTRICTS  
PRIVATE INFILTRATION/INFLOW REMOVAL SPECIFICATIONS

INTRODUCTION:

The purpose of the Johnson County Unified Wastewater Districts' Private Infiltration/Inflow (I/I) Removal Program is to identify and disconnect sources of ground water entering the sanitary sewer system from private property. The excess groundwater may cause the sanitary sewers to become overloaded, resulting in basement flooding and possible bypasses of untreated sewage into streams.

An I/I sewer connection is one which allows ground surface run-off from rain, melting snow, and clear ground water to enter the sanitary sewer system. The Board of County Commissioners adopted Resolution No. W.D. 92-22 (originally entered as W.D. 85-96) which prohibits these connections, but provides funds to disconnect and re-route them. The costs of repairs or modifications to comply with the resolution will be included in the overall cost of the rehabilitation project.

LEGAL AUTHORITY:

Resolution No. W.D. 92-22 (originally enacted as W.D. 85-96) adopted by the Board of County Commissioners of Johnson County, Kansas.

TYPES OF I/I CONNECTIONS:

Groundwater from any of the following sources which discharge directly to the sanitary sewer constitutes an I/I connection:

1. Foundation drain sump pits, sump pumps.
2. Combination drain sump pit, sump pump (sanitary and storm).
3. Outside area drains, i.e. driveway, basement entry, window wells, patio.
4. Downspouts.
5. Service line cleanouts.

INSPECTIONS:

In order to verify that an I/I source has been properly disconnected, it is necessary that all modifications be inspected by an authorized Johnson County Unified Wastewater Districts' employee.

The attached information is intended to give some typical examples of stormwater inflow into the sanitary sewer system and suggested methods of permanently removing these sources from the sanitary sewer system.

**The Johnson County Unified Wastewater Districts does not endorse any particular product or manufacture, but will require materials and construction methods to be equivalent to or exceed those examples enclosed.**

Prepared by Ron Thomann