

## DOWNSPOUTS DISCHARGING TO SANITARY SEWER

### Problem

Downspouts which are connected to the sanitary sewer results in extra loading on the sewer system for which it was not designed. This often results in sewer backups in basements throughout the neighborhood during wet weather.

Attached is a plan which shows how the downspout may be constructed and how it may be repaired. Please be aware that plumbing layout may vary from house to house.

### Remedial Work Required

1. If downspouts are directly connected to the sanitary sewer, they must be disconnected.
2. This may be done by cutting off the downspout approximately twelve (12) inches above ground level and ten (10) inches below ground level, install an expandable plug into the bell or barrel of the exposed pipe.
3. Have the Johnson County Unified Wastewater Districts inspect concrete forms and pipe plug prior to pouring concrete.
4.
  - a. Place concrete around and on top of pipe (refer to detail for specifications).
  - b. Place a concrete splash block (three(3) feet or longer) under the downspout. Point the splash block in the direction of the natural drainage. Anchor an elbow onto the downspout and line it up with the splash block.
5.
  - a. Extend the downsout out away from the building (above or under) the ground to a point of drainage.
  - b. Replace dirt so that it slopes from the house (one (1) inch of fall per foot) and place concrete splash block.

Sketches:

Downspout Disconnection Detail.