

## CHAPTER 3

### STORM DRAINAGE SYSTEMS

#### 3.8 Computer Programs

To assist with storm drain system design a microcomputer software model has been developed for the computation of hydraulic grade line. The computer model has been attached to the program HYDRA, which has been adopted by the Federal Highway Administration organized Pooled Fund Study on Integrated Drainage System as the program for storm drain design and analysis. The model developed in this study, called HYGRD, would allow a user to check design adequacy and also to analyze the performance of a storm drain system under assumed inflow conditions.

The HYDRA computer program is integrated into the Federal Highway Administration's HYDRAIN computer model system which is available from McTrans Software, University of Florida, 512 Weil Hall, Gainesville, Florida 32611.

END OF SECTION 3.8