

Drainage Structure Numbers

Hydraulic Unit Designers and Hydraulic Unit Consulting Firms will now be responsible for the permanent numbering of drainage structures, pipe system outlets, pipe collars, cross pipes, side drain pipes, etc., on plans. Roadway Design will not renumber these drainage structures on plans.

The Hydraulics Unit is currently working on an application which will read the node numbers in Geopak Drainage and place them in the drainage structure number cell on the plans. This application will only number Geopak Drainage nodes and will not number other structure elements drawn using Microstation. Because of this, we will have to hand number some structures. (For instance, we don't use elbows in Geopak Drainage.)

Until the application is written, we will need to do this by hand in the following manner;

1. Place the Structure Number Cell using the Box Number Cell under "Miscellaneous" on the Hydraulics Drainage System Bar Menu
2. Number the structure using four digits. The first two digits will indicate the sheet number and the remaining two digits will be the structure number. For example, for structure number 10 on Sheet 5, label it as "0510". If we have a need for a three digit structure number, we will address it at that time.

It will be stressed to Roadway that in order to keep structure renumbering revisions to a minimum, plan sheet renumbering or plan sheet movement within a plan set should not occur after Hydraulic Designers have begun their design.

The following is a list of Drainage Items that should be numbered.

1. CB's, DI's, 2GI's, JB's, & MH's
2. Converts and Adjust Boxes
3. Collars and Tees
4. All pipes including cross pipes and side drain pipes
5. Outlet structures

Items that are not typically numbered

1. Pipe removal
2. Pipe plugs
3. Elbows