
Autodesk Products Tip & Tricks

Product: AutoCAD Civil 3D 2009 & Hydraflow Storm Sewers Extension
Topic: Editing XML files to work with Hydraflow and Civil 3D
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When working with LandXML files created from Hydraflow Storm Sewers Extension and Civil 3D 2009, some problems may arise with the export process. When a LandXML file is exported from a Civil 3D 2009 pipe network, all of the pipe and structure names are appended with the storm network name inside of the LandXML file. This is not a problem until you import the design from Hydraflow Storm Sewers and all of your pipes and structure labels change.

Another problem with export process occurs inside of Hydraflow Storm Sewers. After exporting a file from Hydraflow Storm Sewers Extension to a LandXML file, the storm network is renamed. When importing the LandXML from Hydraflow Storm Sewers into Civil 3D, another network with the new name is created instead of updating the network in the drawing.

The problem with the export process can be remedied by editing the LandXML files. There are several methods of editing LandXML files using an XML Editor. Microsoft offers an XML editor called XML Notepad 2007; this program is available for [download](#) on the Microsoft website.

Once you export the pipe network from Civil 3D 2009 (see figure 1) you need to edit the XML file.

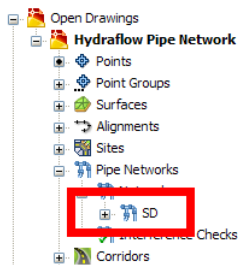


Figure 1

When you open the XML file for editing the structures and pipes need to be renamed. In the following examples the structure CB #4 and the pipe, Pipe – (12) have the storm network SD appended to them. Inside of XML Notepad 2007 we can use the replace... command located in the edit pull down menu to remove the storm network name (see figure 2).

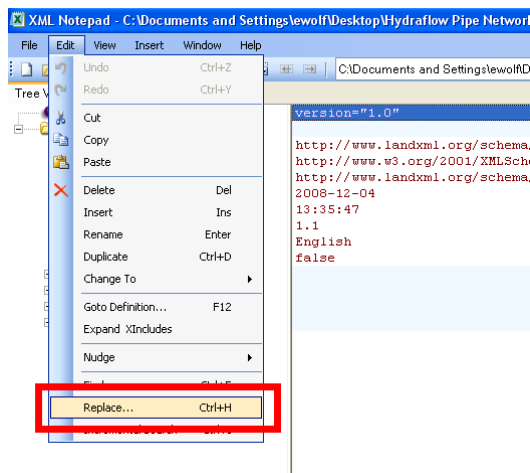
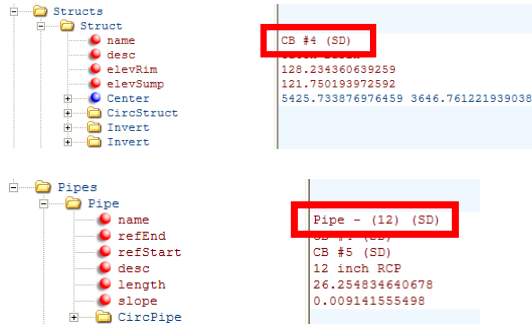


Figure 2

After editing the file exported from Civil 3D it is now ready to be imported into Hydraflow Storm Sewers Extension.

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Before



After

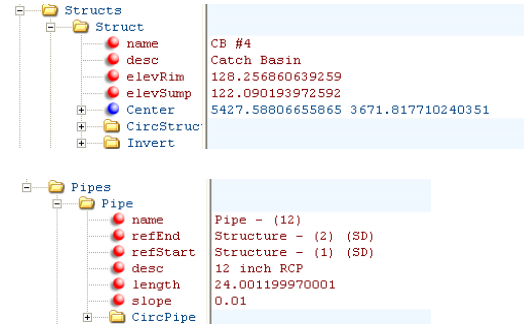


Figure 3

After exporting from Hydraflow Storm Sewers Extension the pipe network takes on the name of Line(s) _1_to_4 representing how many pipes are in that network. We can once again use XML Notepad to edit the pipe network name so on import to Civil 3D it will update the existing pipe network see figure 4.

Before



After

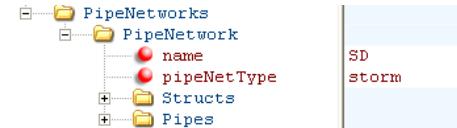


Figure 4