Autodesk®

Modeling CULTEC Chambers in Autodesk® Storm and Sanitary Analysis

Autodesk® Storm and Sanitary Analysis is an advanced, powerful, and comprehensive hydrodynamic modeling package available for analyzing and designing urban drainage systems, stormwater sewers, and sanitary sewers. It can handle a variety of complex flow situations such as looped networks, interconnected ponds, and pumps. In addition, Autodesk® Storm and Sanitary Analysis can model all aspects of stormwater quality/quantity and incorporates best management practices (BMPs), including support for all CULTEC storage chambers.

Any CULTEC storage chamber can be added to an Autodesk® Storm and Sanitary Analysis is project by performing following few simple steps:

Step 01: Start Autodesk® Storm and Sanitary Analysis with a new project or open an existing project

Step 02: By double clicking on the “Storage Curves” from the data tree bring up the dialog

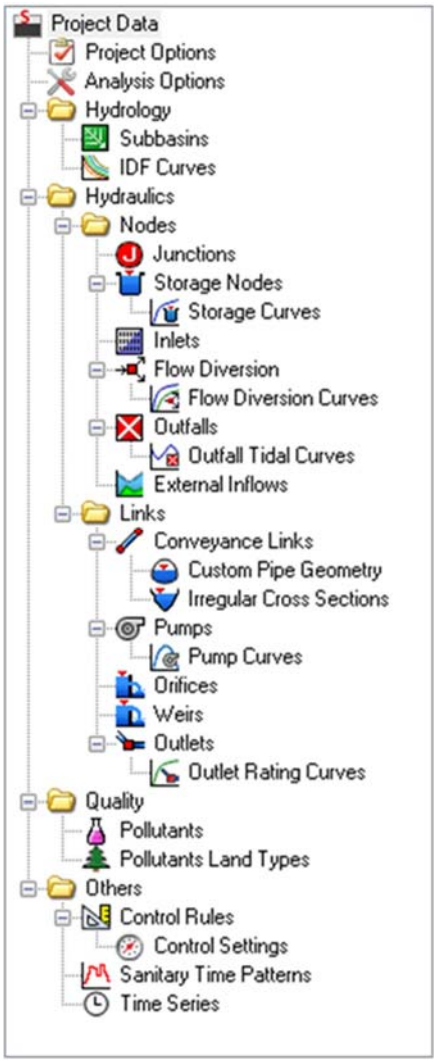

Figure 1: Autodesk® Storm and Sanitary Analysis is Data Tree

Step 03: From the Storage Curves dialog, click on “Add” button to create a new storage curve. Then switch to the “Storage Chambers” tab.

Step 04: Select the desired CULTEC storage chamber type from the drop down list and set the Parameter values to match your project needs. Click on “Compute” button to calculate “Depth vs. Area” storage curve data for the selected CULTEC chamber. Click on “Close” to close the dialog.

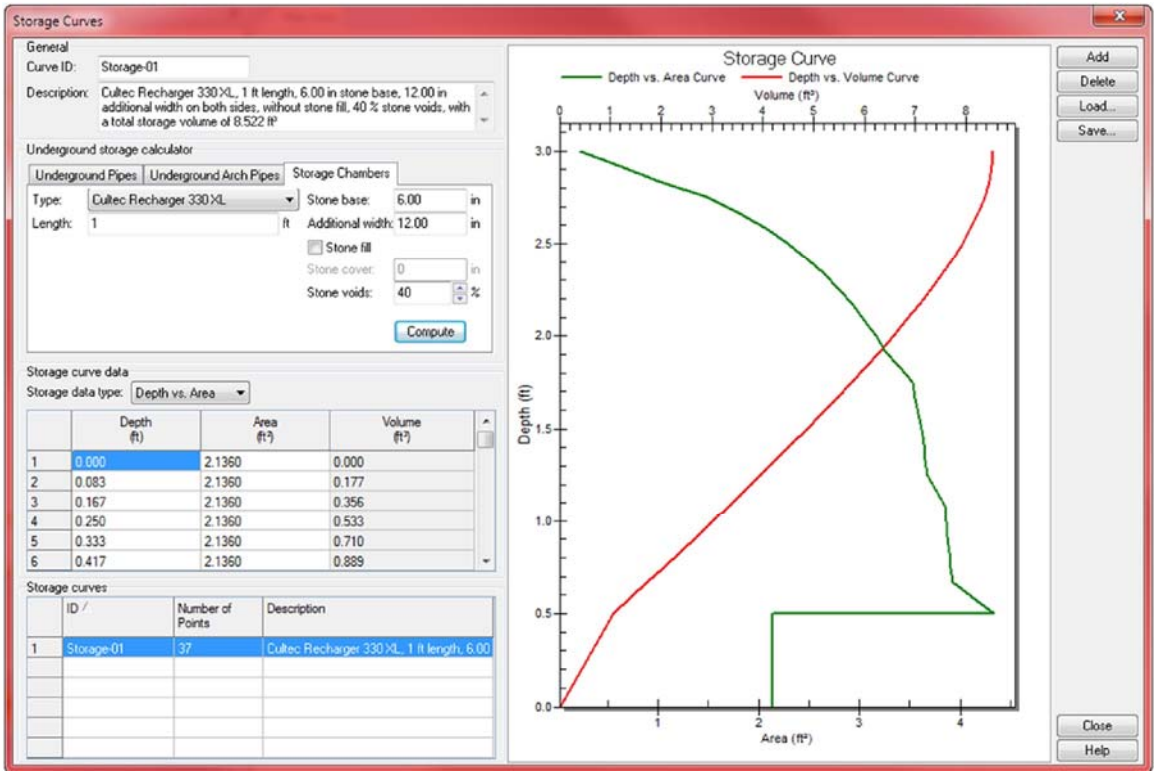

Figure 2: Storage Curves Dialog

Step 05: Select Storage Node icon ( ) from the Autodesk® Storm and Sanitary Analysis toolbar and click at the desired location on the “Plan View” to create a storage node element

Figure 3: Autodesk® Storm and Sanitary Analysis Elements Toolbar

Step 06: Double click on the Storage Node icon ( ) to open the storage nodes property dialog.

Step 07: Specify the Storage Shape type as Storage Curve and select the previously defined storage curve (Storage-01)

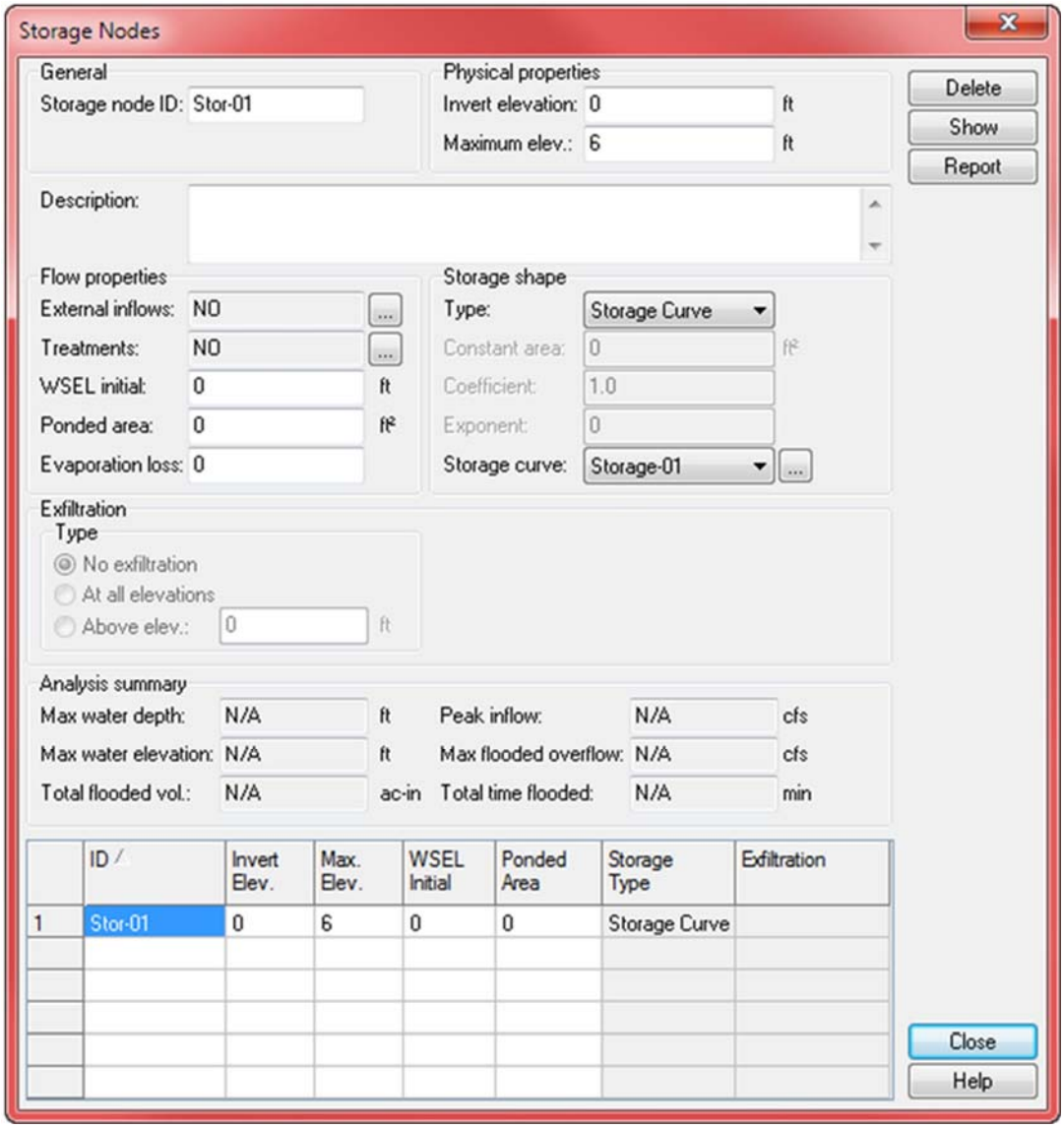

Figure 4: Autodesk® Storm and Sanitary Analysis Storage Nodes Dialog

Step 08: Define "Invert Elevation", Maximum Elevation" and other input parameters required for storage nodes as per project specifications.

For More Information Contact:

Autodesk, Inc.
1-800-964-6432

More information on SSA can be found at www.autodesk.com/storm-sanitary-analysis

Currently, the SSA (Storm & Sanitary Analysis) 2011 version is available only to Civil 3D and Map 3D subscription customers via our subscription center which can be accessed by Civil 3D/Map 3D subscribers.

Please be aware that the 2012 version will not be available to end users until end of April 2011 where it will be included as part of Civil 3D 2012 and Map 3D 2012.

Since all purchases are handled by resellers, anyone looking to purchase Civil 3D or Map 3D (which will include SSA) should look up the designated resellers in their area.