New Service Layer Scheme in AutoCAD Plant 3D

AutoCAD Plant 3D

The layer and colour assignment automation scheme in AutoCAD Plant 3D may be configured to use the piping Service property to set the colour of a piperun. The Service property initially uses the values from the default Services selection list. Very often, this list of services is not appropriate for the current project and a new list is required. Although the default list can be modified, it is sometimes desirable to retain the original list and create a new one. However, when doing so the new list of values is not shown in the layer and colour settings.

In this White Paper, we will show how to create a new service list and make it available in the layer and colour settings.

P3d Line Group – Service Property

The first thing that we need to do is to create our new list of services and assign it to the *Service* property of the *P3d Line Group* class. This will enable us to retain the original selection list.
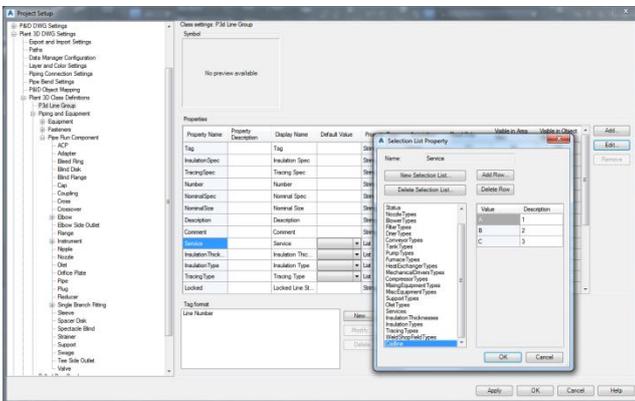
PipeRunComponent - Service Property

We now need to refresh the list of services available to all Pipe Run Components. We do this by editing the *Acquisition Rule* for the *Service* property in the *Pipe Run Component* class definition.

We simply reselect the *Service* property from the *P3d Line Group* class.
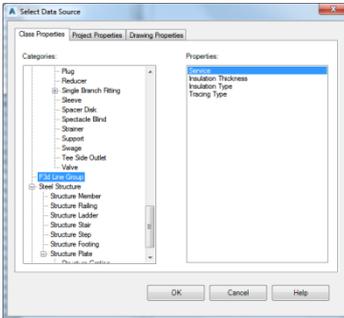
Automation Scheme

Our new list of services is now available to us to use within a layer and colour assignment automation scheme.