

Set UDF Layer

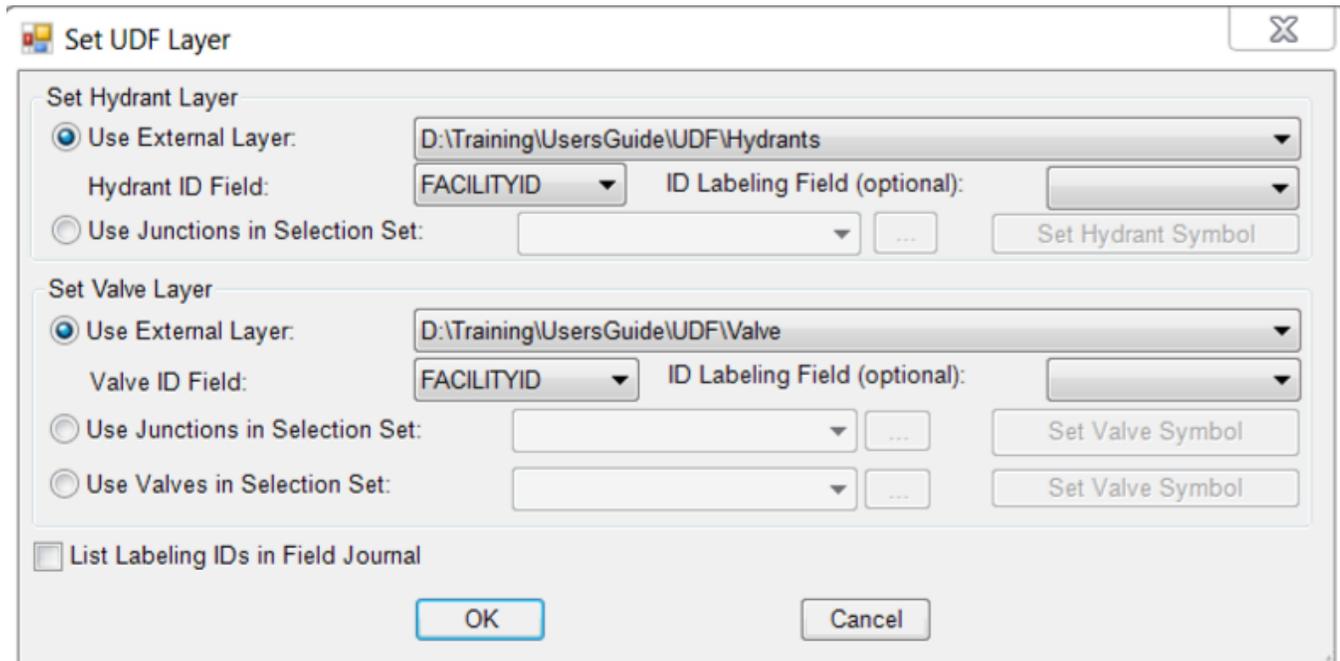
UDF layers must be registered with the UDF interface before creating flush zones or flush sequences. Registered hydrant and valve layers to be used by UDF. This command brings up the dialog box shown below. From this box, the hydrant and valve layers are identified and unique ID must be specified.

The hydrant and valve layers must be added to the project () before they can be set as UDF layers. Alternately, create selection sets of junctions in the model that represent hydrants and valves and use these selection sets for hydrant and valve definition.

 Typically, municipalities will maintain a layer within their GIS system for each of their hydrants and valves. Often these files will contain a unique ID and other pertinent information. However, a new shapefile can be added and the hydrants and/or valves can be created within the ArcGIS /InfoWater Pro environment. A unique ID must be added in the Attribute Table before the Set UDF layers command is used.

To set a UDF Layer:

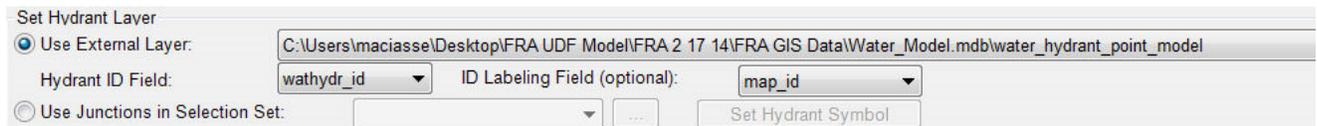
1. From the upper right-hand corner in the InfoWater Pro ribbon, click on the **Set Layer**  button to open up the Set UDF Layer dialog box.
2. Use the dialog box to create your settings for your UDF layers. See description of the fields below.



Set Hydrant/Valve Symbols - Sets default symbols for hydrants () and valves (). Symbols can be user-specified by double clicking on the symbol in the Details tab of the Table of Contents window.

 The hydrant layer and valve layer are ArcGIS layers and can be updated, modified, and edited using any ESRI functions.

Set Hydrant Layer



Use External Layer - Select this option to use a non-InfoWater Pro layer to represent hydrants.

<Select a Hydrant Layer> - Select the shapefile or feature class that represents fire hydrants in the water system. This dataset must be contained in the ArcGIS table of contents to appear in the drop-down selection box.

Hydrant ID Field - The field in the hydrant dataset containing unique ID's for each hydrant in the dataset.

Set Valve Layer

Use External Layer: C:\Users\maciase\Desktop\FRA UDF Model\FRA 2 17 14\FRA GIS Data\Wate

Valve ID Field: I_vlv_ID ID Labeling Field (optional): I_vlv_ID

Use Junctions in Selection Set: [] [] Set Valve Symbol

Use Valves in Selection Set: [] [] Set Valve Symbol

Use Junction in Selection Set - Select this option to use InfoWater Pro junctions in a selection set to represent valves.

Set Valve Layer

Use External Layer: C:\Users\maciase\Desktop\FRA UDF Model\FRA 2 17 14\FRA GIS Data\Wate

Valve ID Field: I_vlv_ID ID Labeling Field (optional): I_vlv_ID

Use Junctions in Selection Set: [] [] Set Valve Symbol

Use Valves in Selection Set: [] [] Set Valve Symbol

Selection Set ID - Select the selection set **SS10_11** from the drop-down menu that represents valves in the system.

Selection Set Editor - Click on this **Ellipsis** [] button to access the Selection Set Editor, which provides the ability to create, modify, and merge selection sets.

Set Valve Symbol - Click on this **Set Valve Symbol** [Set Valve Symbol] button to change the symbology of the InfoWater Pro junctions in the specified selection set from a junction to a valve.

Set Valve Layer

Use External Layer: C:\Users\maciase\Desktop\FRA UDF Model\FRA 2 17 14\FRA GIS Data\Wate

Valve ID Field: I_vlv_ID ID Labeling Field (optional): I_vlv_ID

Use Junctions in Selection Set: [] [] Set Valve Symbol

Use Valves in Selection Set: [] [] Set Valve Symbol

Use Valves in Selection Set - Select this option to use InfoWater Pro hydraulic valves in a selection set to represent UDF valves.

Set Valve Layer

Use External Layer: C:\Users\maciase\Desktop\FRA UDF Model\FRA 2 17 14\FRA GIS Data\Wate

Valve ID Field: I_vlv_ID ID Labeling Field (optional): I_vlv_ID

Use Junctions in Selection Set: [] [] Set Valve Symbol

Use Valves in Selection Set: [] [] Set Valve Symbol

Selection Set ID - Select the selection set **SS10_11** from the drop-down menu that represents hydrants in the system.

Selection Set Editor - Click on this **Ellipsis** [] button to access the Selection Set Editor, which provides the ability to create, modify, and merge selection sets.

Set Valve Symbol - Click on this **Set Valve Symbol** [Set Valve Symbol] button to change the symbology of the InfoWater Pro valves in the specified selection set to a valve.

ID Labeling Field (optional) - Select a field other than the ID field to label on the map.