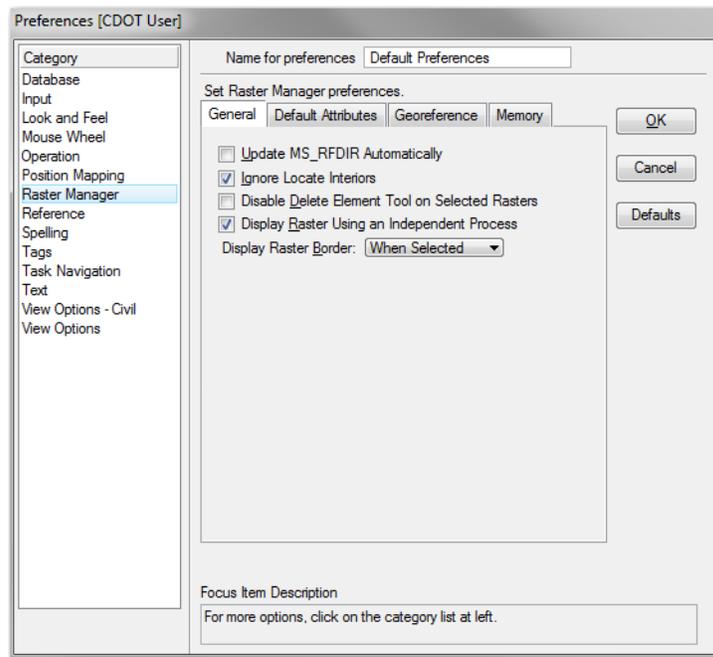# Workflow MS 15 - Using Georeferenced Images in Raster Manager

This document guides you through the Raster Manager settings in MicroStation for accurate placement of georeferenced image files. The section ***Setting the Default Preferences*** only needs to be done once. If your Raster Manager preferences have been previously set correctly you may proceed directly to ***Placing Georeferenced Images*** section of this document.
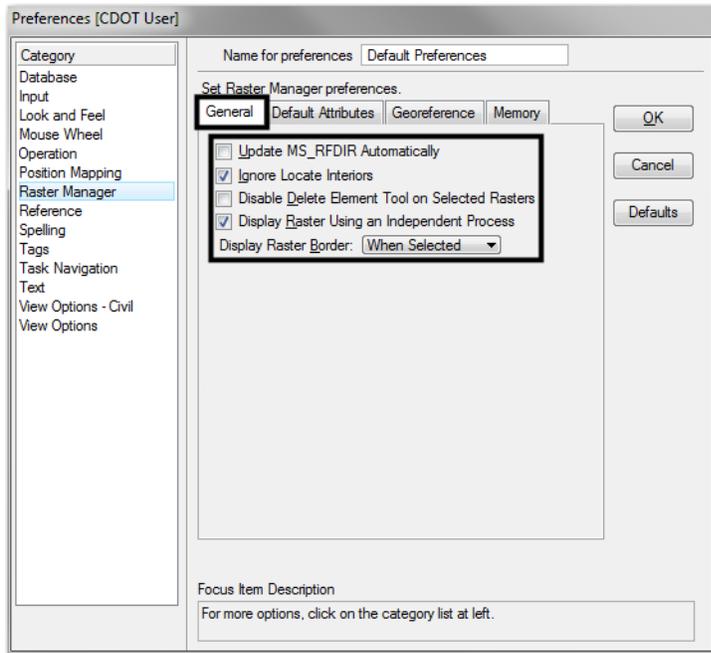
Setting the Default Preferences

1. From the MicroStation pull-down menu select **Workspace > Preferences**. The **Preferences** dialog will appear.

2. Select the **Raster Manager** option in the *Category* list in the left pane.
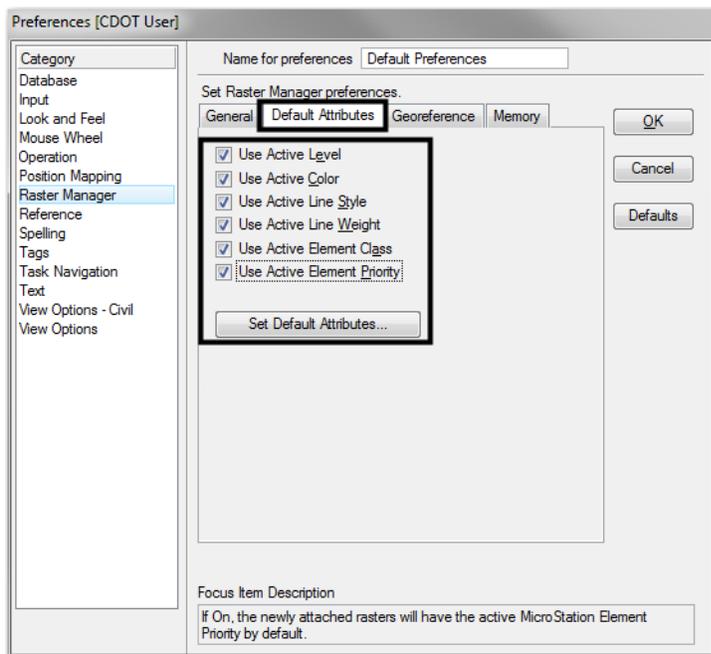

3. The User Preferences for Raster Manager have been broken out into four tabs:

    ♦ General

    ♦ Default Attributes

    ♦ Georeference

    ♦ Memory

4. Many of the setting are the same as they are in previous version and new functionally has been added to enable users to change the functionality of MicroStation.

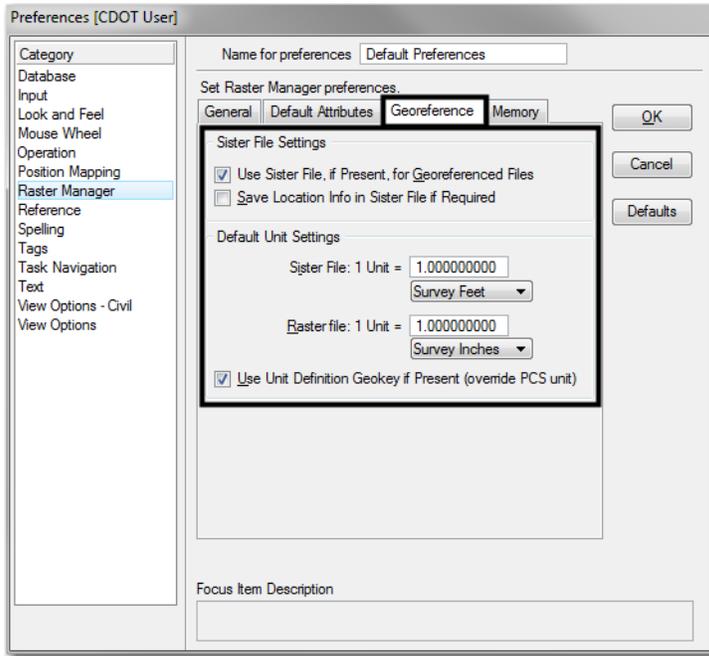5. In the **General** tab set the following toggles.

> **Note:** The settings in this tab help MicroStation process imagery faster and select the rasters images.

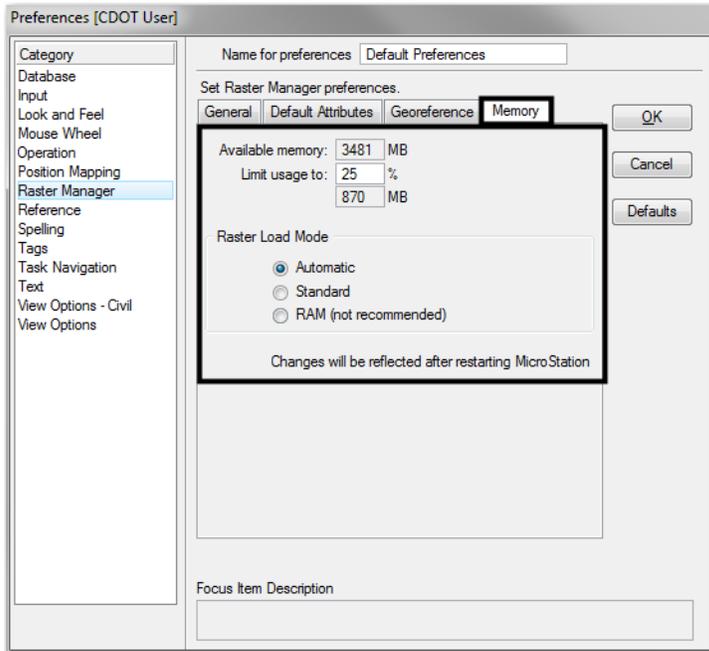6. In the Default Attributes tab, toggle on the following.

> **Note:** These settings only apply to the level, symbology and element properties of the raster image borders when they are attached.

7. The Georeference tab has the most important settings. Set the following settings for the Sister file and Unit Settings to ensure the proper placement of your raster images.

8. The Memory tab has been added to the Raster Manager User Preferences. These settings were only possible in previous versions through a series of configuration variables. The default values are set as seen below, but if you are having problems seeing your raster images these settings should be adjusted.
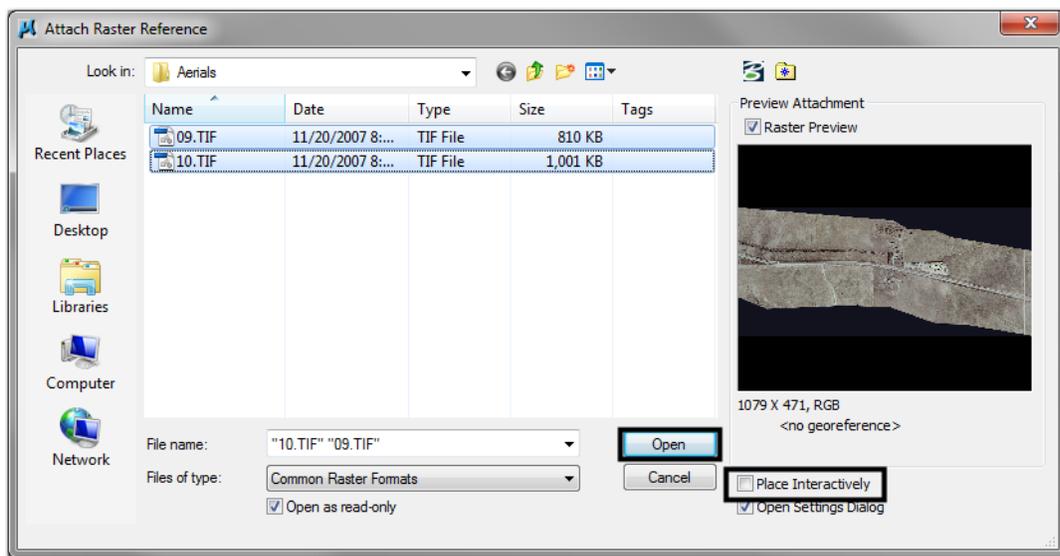
Note: When adjusting these settings take into account the computer's hardware.

9. **<D> OK** button to save these preferences. Once these preferences have been saved they should not have to be changed again.

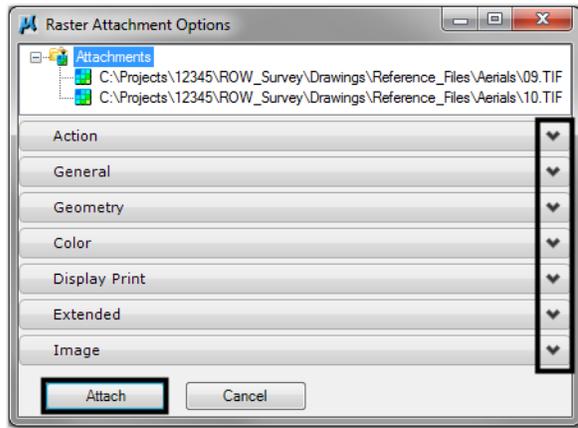   ***Note:*** Some settings will require you to restart MicroStation before they will take affect.

Placing Georeferenced Images

1. From the MicroStation pull-down menu select **File > Raster Manager**. The **Raster Manager** dialog will appear.

2. From the Raster Manager menu select **File > Attach > Raster**... The **Attach Raster Reference** dialog will appear.

3. ***Navigate*** to the location of the raster image files and select the file(s) to attach.

4. It is important that the ***Place Interactively*** check box is unchecked. **<D> Open** to attach the image(s).
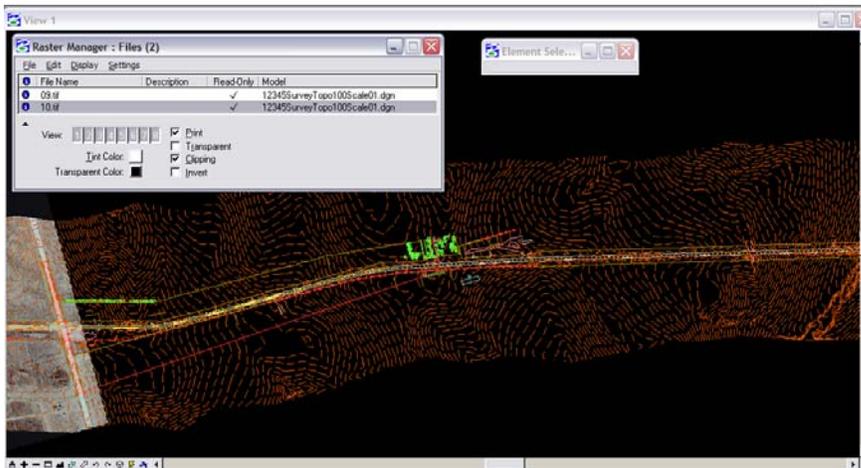

Note: Having the ***Open Settings*** dialog toggled on is optional. When toggled on you can review the Raster Attachment Options before attaching the rasters.

5. Click on the arrows to expand the settings. **<D>** *Attach* when finished.
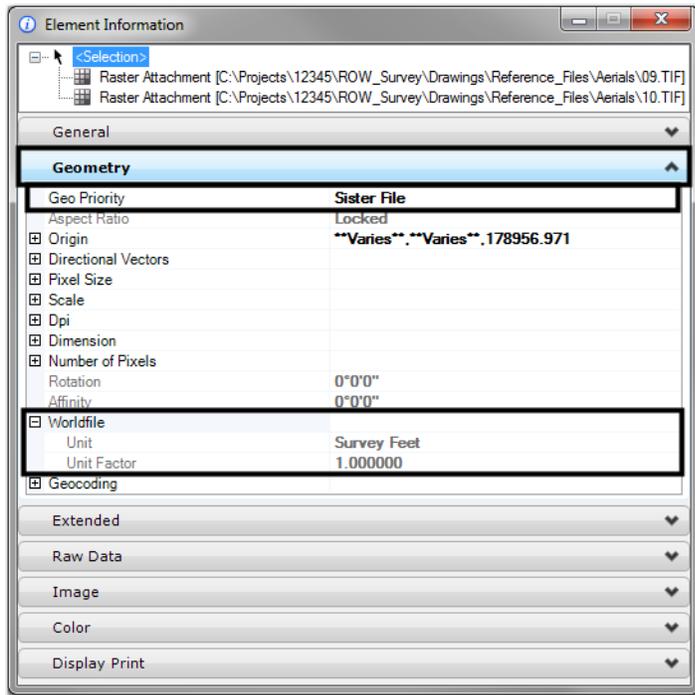

6. After attaching the image a **Fit View** may be needed to display the image.

7. If the image does not appear in the correct location adjust the placement location. Select the image from the **Raster Manager** dialog box.

8. From **Raster Manager** select all the images.

9. Click on the *Element Information* icon on the Primary tool bar.

10. Expand the ***Geometry*** field and change the ***Geo Priority*** to **Sister File**.

11. **Fit View** to display the image. The image should now appear in the correct location.