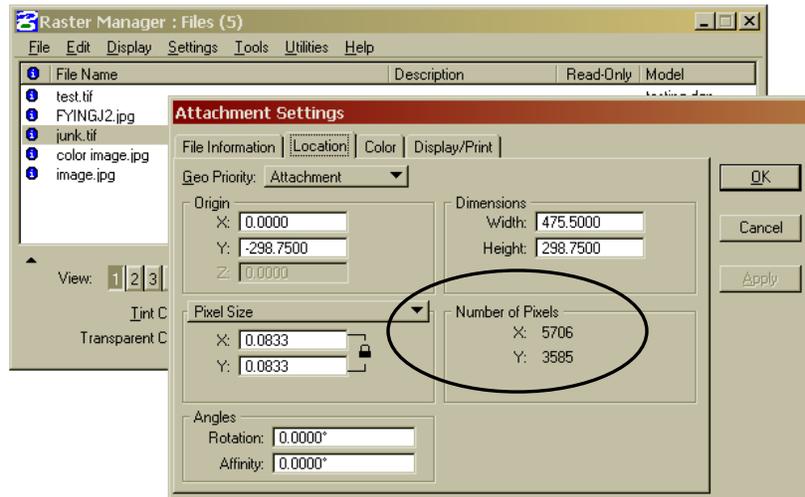


Exercise 3 Creating Overlays

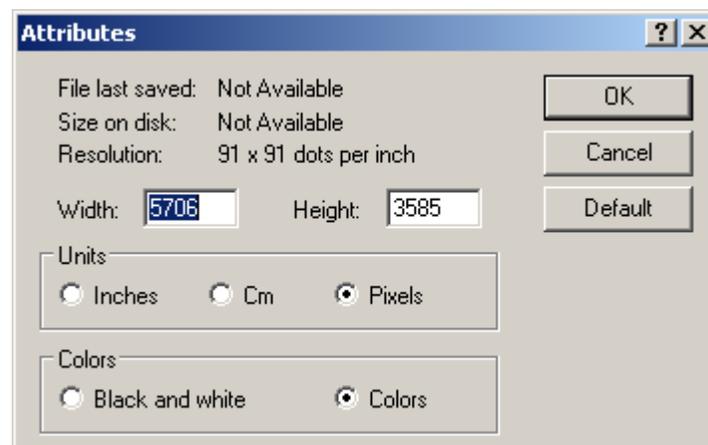
OBJECTIVE: We will take a drawing with vector and raster images and overlay an image as to highlight areas of new construction.

1. Open the MicroStation file named **exercise3.dgn**
2. Open the raster manager  to verify the pixel size of the raster image attached.

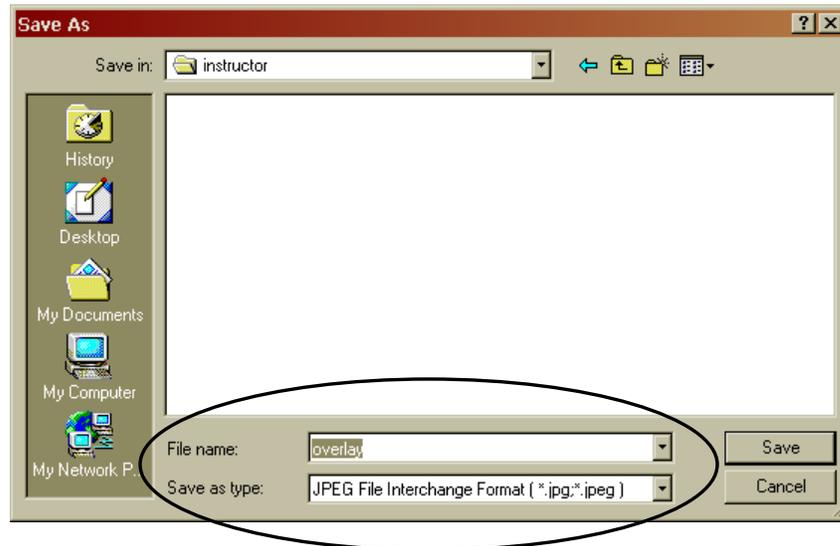


You can get the *Attachment Settings* dialog box by double clicking on the raster image name in the *Raster Manager* dialog box or through the *Settings* pull down and selecting the *Attachment* option.

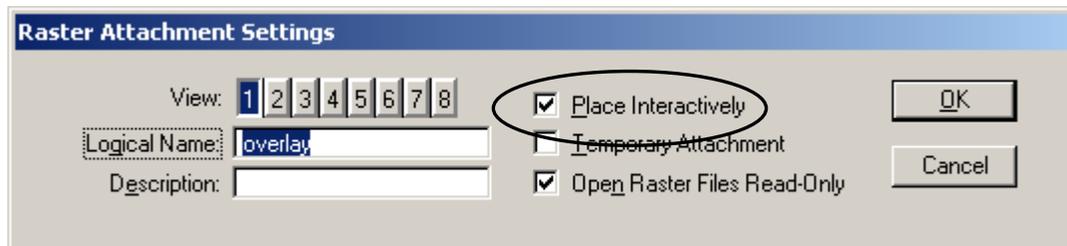
3. Open the Microsoft Paint program. Click on **File – New** to create a new white image. Under the **Image- Attributes** tab, make sure your units are set to Pixels. Place the proper values under width and height (X and Y from step 2). Click OK.



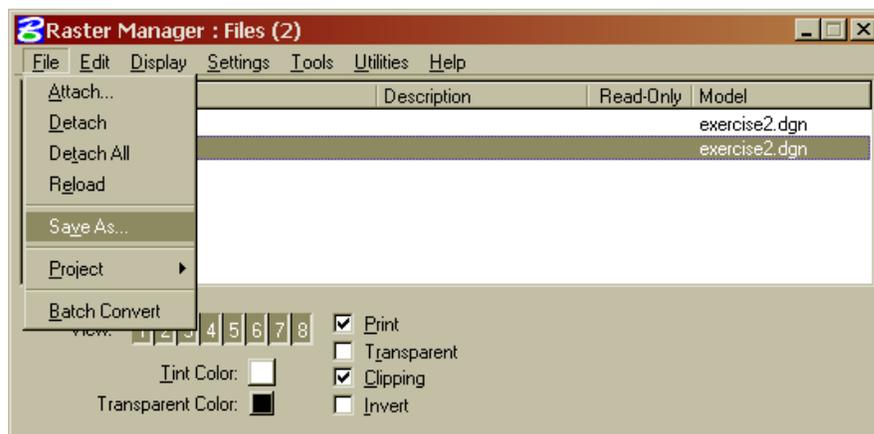
- Save the Paint file as a **jpeg** on your local drive. Then bring the file into ProjectWise to a location near the MicroStation design file.



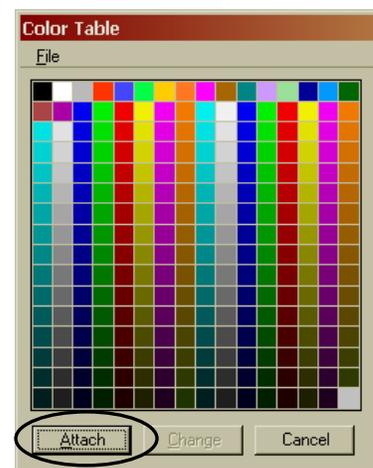
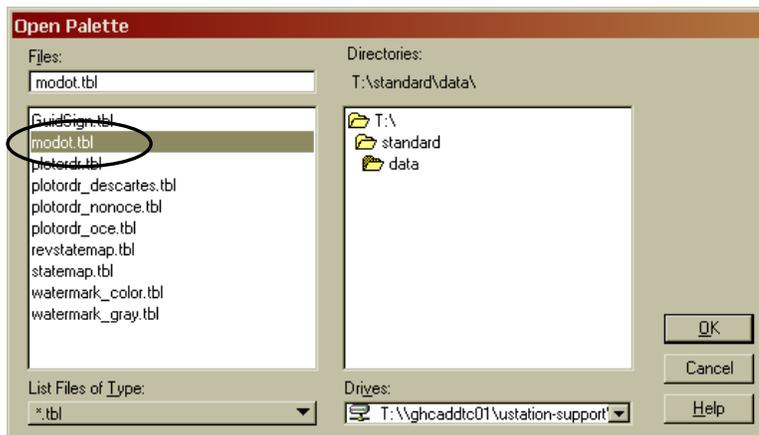
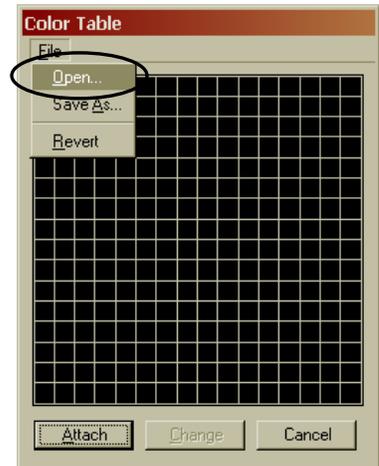
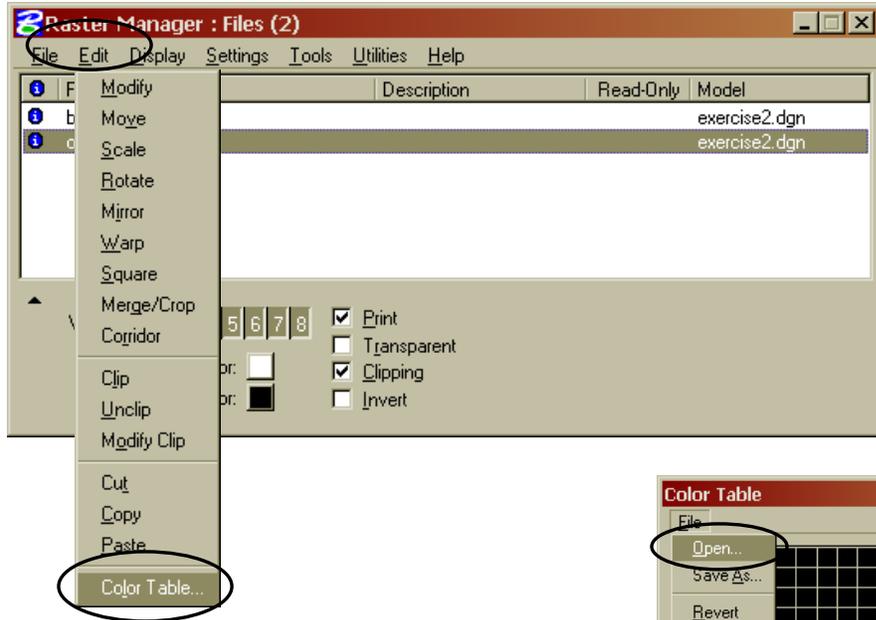
- Attach the newly created Paint image into your design file using the **Place Interactively** option. When placing the image make sure to cover the drawing completely.



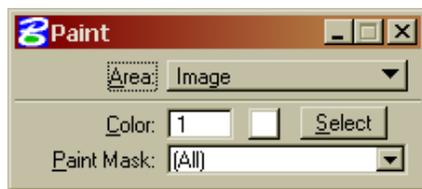
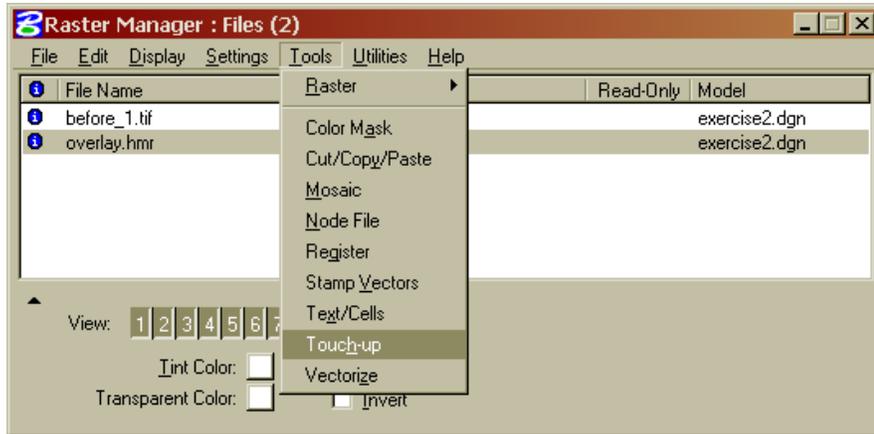
- Save the overlay.jpg image as an **.hmr**.



- Attach the MoDOT 256 to the .hmr image so we will be able to apply colored overlays to our shapes later on. The path for the MoDOT color table is:
T:\Standard\Data\modot.tbl

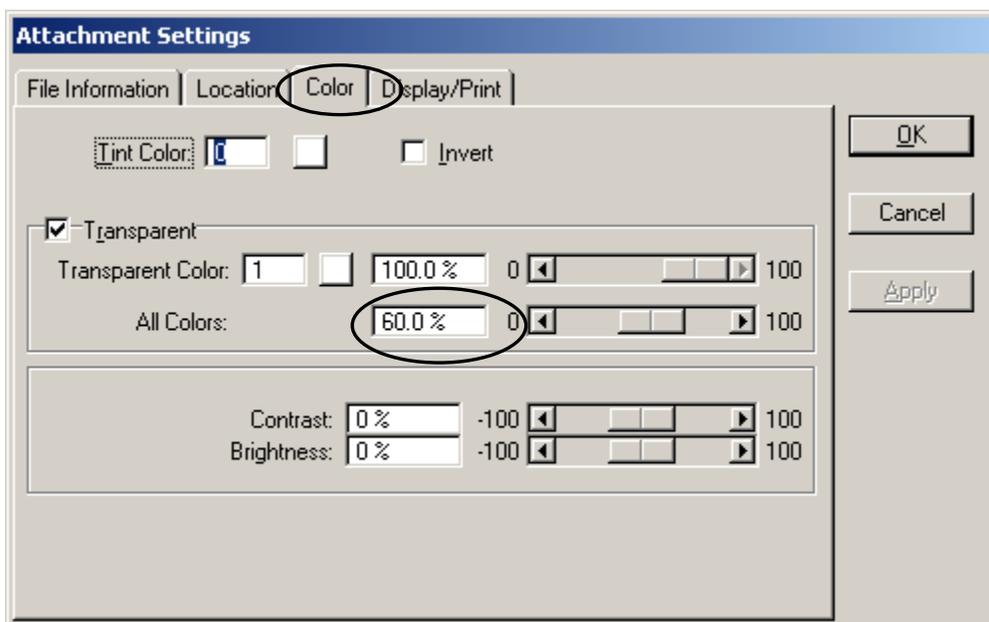


- Open the *Touch-up* tools located under the Tools pull down in the *Raster Manager* dialog box. Click on the *Paint* tool to open the Paint tool settings dialog.



Note: This process can take a minute or two.

- Double left click on your .hmr file in the raster manager. Go to the color tab, and make sure Transparent is checked. Then change the setting for “all colors” to a value around 60%.



12. Using the Touch-Up tool again, the *Paint Settings* tool has various Area methods to paint with.



The *Block* option allows the user to place a block to paint. The *Element* option allows the user to pick a predefined MicroStation shape to paint. The *Fence* option allows the user to paint within a placed fence. The image will allow the user to paint an entire image one color. For this exercise we want to choose the Element option.

13. The next step in the process is to pick colors and paint the shapes in the design file. Simply left click the element (closed shape) to be painted and left click again to accept the paint operation.



It's that simple.