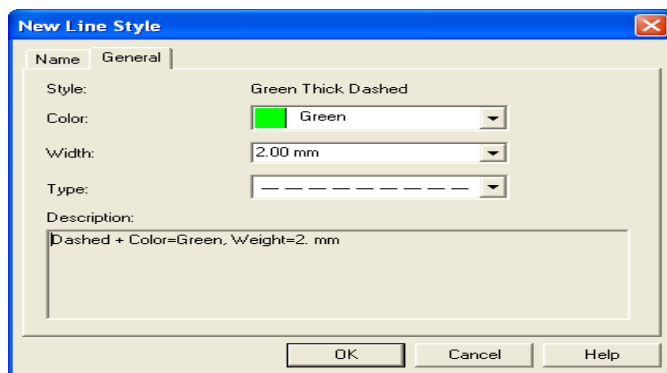


## Lab — Creating Linear Styles

In this lab you will create several new linear styles using the Style dialog box and the Line Style Editor.

### CREATE A GREEN THICK DASHED LINEAR STYLE

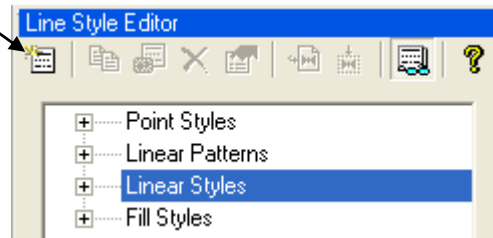
1. Start SmartSketch if it is not already running. Notice that a new file is automatically created from the *Normal* template.
2. Select **Style** from the **Format** menu.
3. In the **Style** dialog box, click the **Resources** button to determine the style resource files that are attached to your document. Cancel out of the dialog boxes.
4. Select **Style** from the **Format** menu.
5. Change the **Style type** to *Line* and click the **New** button.
6. In the New Line Style dialog on the Name tab, enter *Green Thick Dashed* for the **Name** and select *Dashed* in the **Based on** dropdown list.
7. Select the General tab and change the **Color** to *Green* and the **Width** to *2.00 mm*. Click the **OK** button.



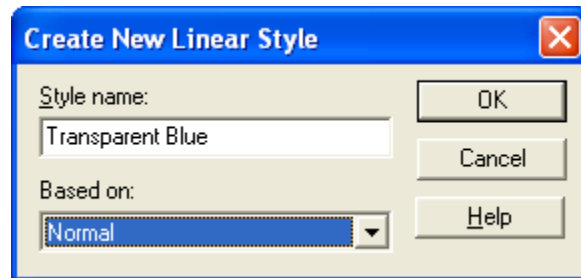
8. Select **Save As** from the **File** menu and save the file to the *C:\Drawing Files* folder as *ClassStyles*.

## CREATE A TRANSPARENT BLUE LINEAR STYLE

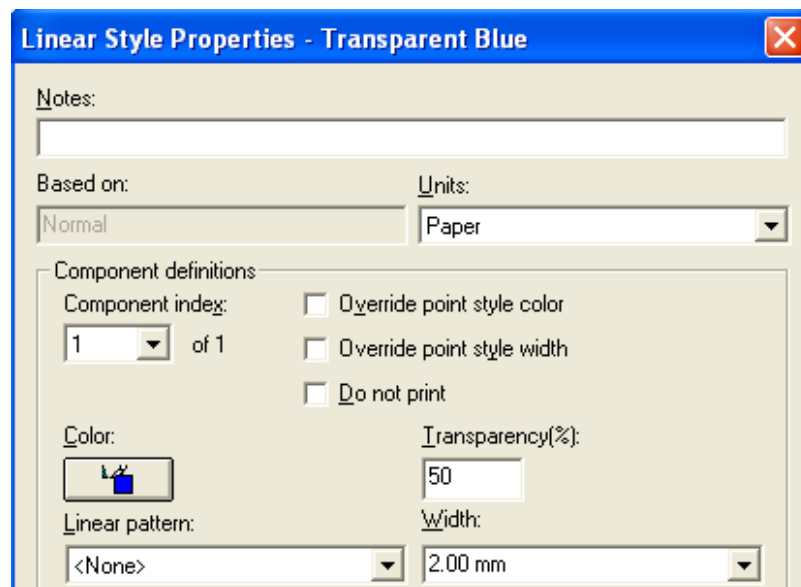
1. Select **Line Style Editor** from the **Tools** menu.
2. In the Line Style Editor dialog bar, select *Linear Styles* and then click the *Create New Style* button.



3. In the Create New Linear Style dialog, enter *Transparent Blue* for the **Style name**, select *Normal* in the **Based on** dropdown list, and click the **OK** button.



4. In the Line Style Properties dialog, change the **Color** to *Blue*, the **Width** to *2.00 mm*, the **Transparency** to *50*, and then click the **OK** button.



1. Save *ClassStyles.igr*.

## CREATE A WATER LINE – OPTIONAL LAB

### Place a text character

2. Select the **Text Box** command on the **Draw** toolbar.
3. In the ribbon bar, change the **Font Size** to *.125 in* if necessary.
4. Click once in the drawing window and key-in **W** for water. Right-mouse click when done.



### Create a point style from the text character

5. Select the **Zoom Area** command on the **Main** toolbar. Click once to the upper left of the **W** and then click again to the lower right of the **W** to zoom into the letter.
6. Select the **W** using the **Select Tool**.
7. In the Line Style Editor dialog bar, select *Point Styles* and then click the *Create New Style* button.
8. In the Create New Point Style dialog, enter *Water Symbol* for the **Style name** and click the **OK** button.
9. In the **Notes** field, key in *Symbol for Water Line* and click the **OK** button.
10. Make sure the **W** is still selected and then click the **Define Point Style Graphics** button from the Line Style Editor dialog bar.
11. When the target icon is displayed on the cursor, click in the drawing window near the center of the **W** to define the point style origin.



### Create a linear pattern that includes the new point style

12. Select the *Water Symbol* point style in the *Line Style Editor* dialog bar. The **W** character is displayed in the preview pane.
13. In the Line Style Editor dialog bar, click the plus sign next to the *Linear Patterns* entry to expand it and then select the *Dash* pattern.

14. Click the *Create New Style* button.
15. In the Create New Linear Pattern dialog, enter *Water Pattern* for the **Style name** and click the **OK** button.
16. In the Linear Pattern Properties dialog, change the following properties and then click the **OK** button.

*Stroke index: 1*

*Dash length: 0.13 in*

*Stroke index: 2*

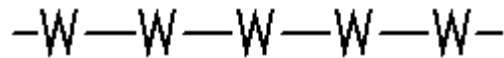
*Gap length: 0.13 in*

*Point style -*

*Name: Water Symbol*

*Position along stroke(%): 50*

### Create a linear style using the Water Pattern



17. In the Line Style Editor dialog bar, expand the *Linear Styles* entry and select the *Normal* style.
18. Click the *Create New Style* button.
19. In the Create New Linear Style dialog, enter *Water Style* for the **Style name** and click the **OK** button.
20. In the Linear Styles Properties dialog, click on the *Linear pattern* dropdown and select *Water Pattern* from the list. Click the **OK** button.
21. Select **Options** from the **Tools** menu. Select the **View** tab and toggle on *Display as printed*. Click the **OK** button.
22. Select the **Line** command from the **Draw** toolbar. On the ribbon bar, click on the *Style* dropdown list and select *Water Style*. Place a line using *Water Style*. Also place lines using the other linear styles created in this lab.
23. Save *ClassStyles*.