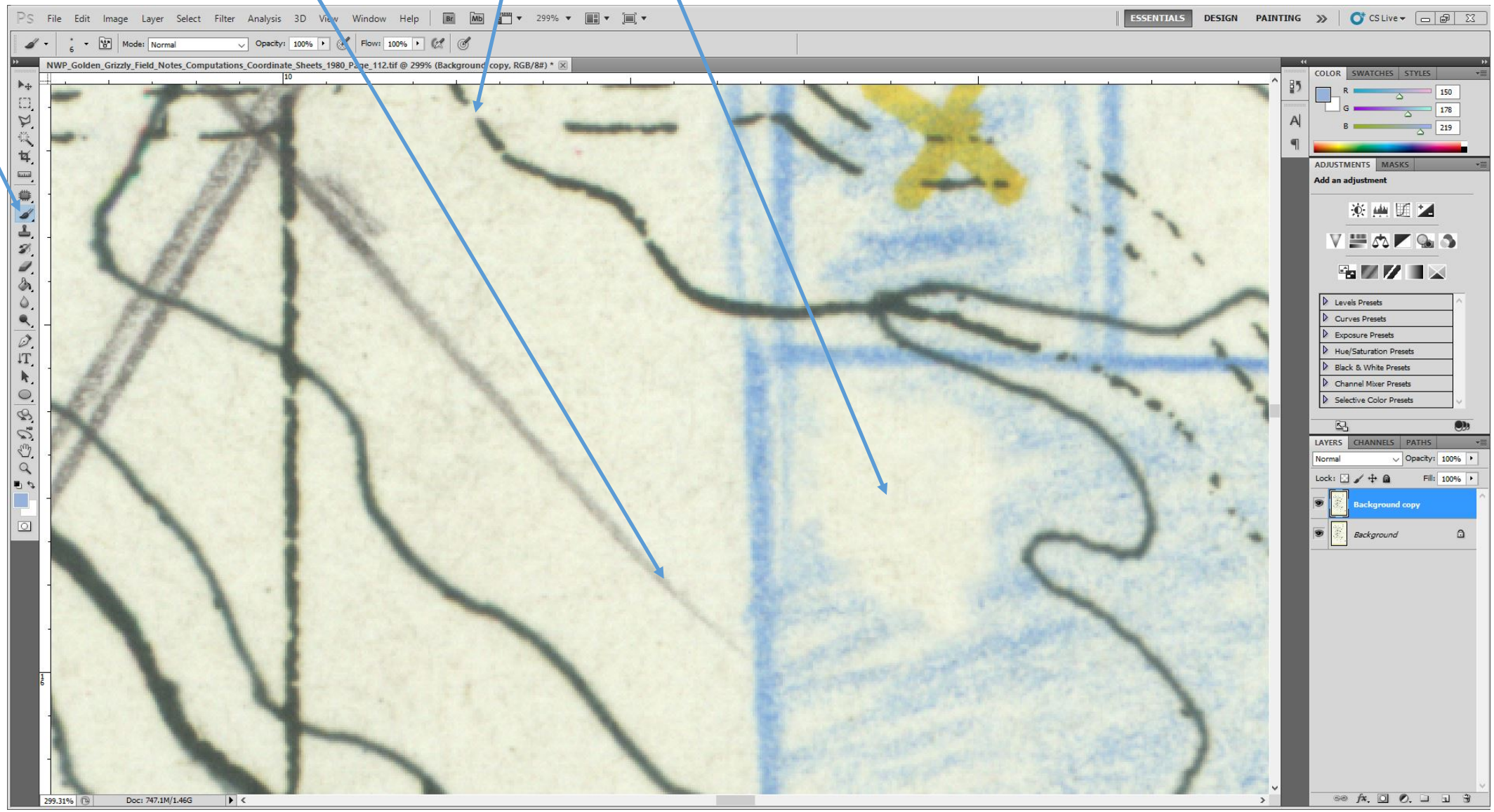
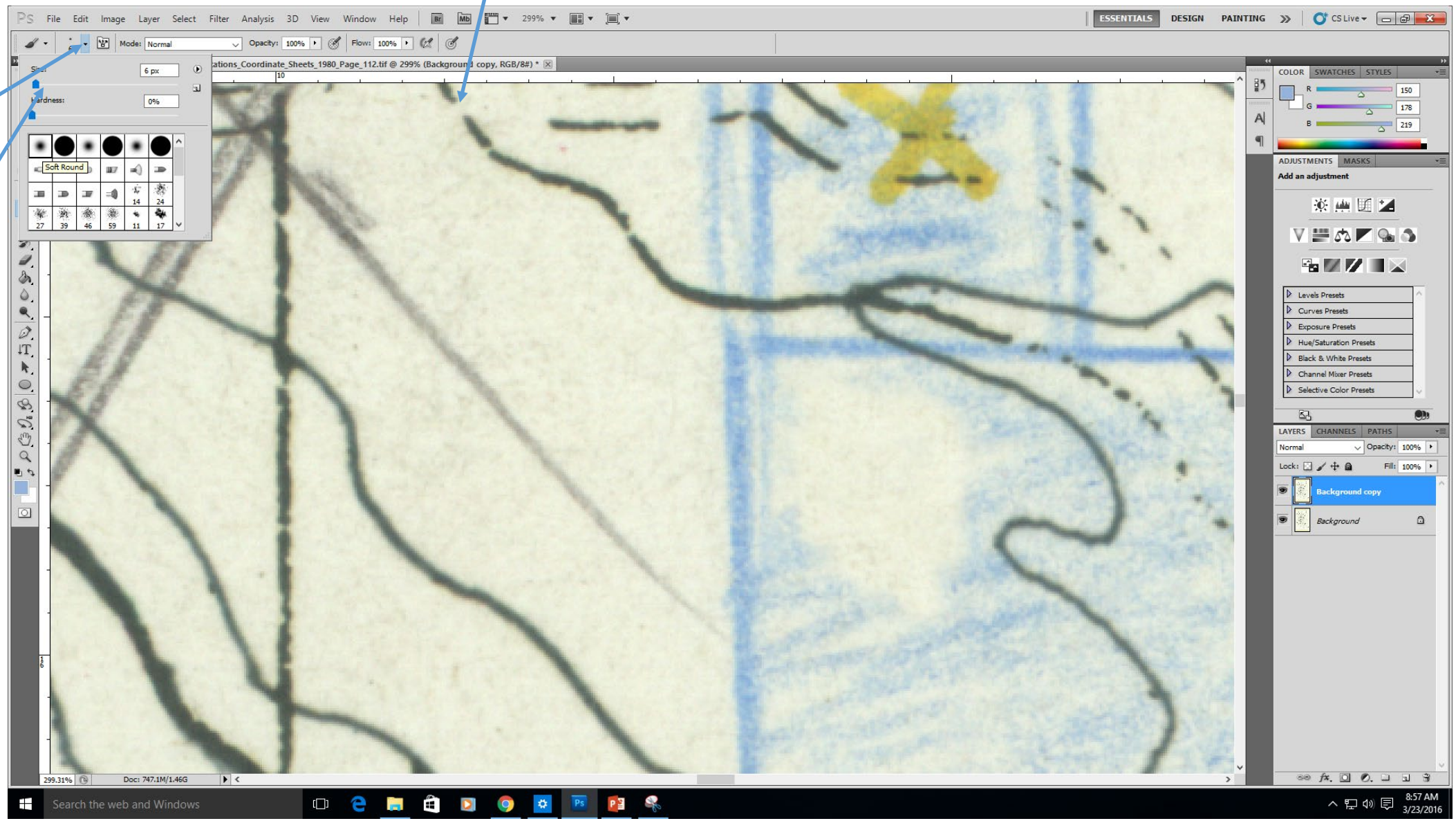
Brush Tool Tips

The **brush** tool has several useful features. The **brush** tool settings can be changed to accommodate a variety of restoration techniques. This map has several areas that could benefit from use of the **brush** tool.



The first area that will benefit from the **brush** tool is this broken topography line.

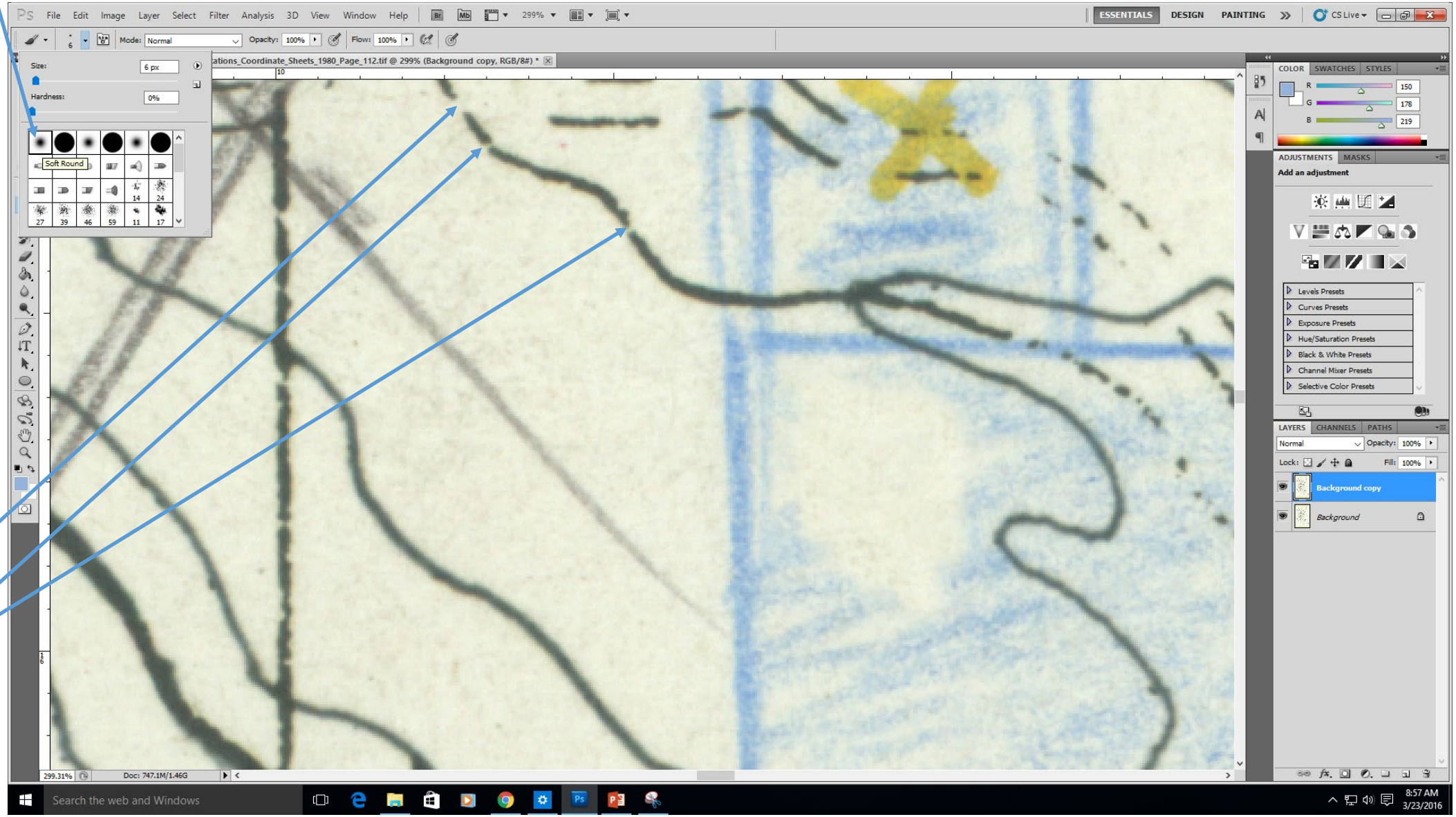
First, select the **brush** tool. Next open the **Brush Preset Picker** menu.
Then select a brush size that most closely matches the width of the topo line.
In this case, 6 pixels seems to be the right size. You can move the mouse cursor over the map and compare its size to the size of the topo line to help determine the correct size.



Since the topo line does not have perfectly clean edges, select a **Soft Round** brush tip. This will create a feathered edge that more closely matches the original line. If you hover the mouse over the brush presets, tool tips will show the preset name.

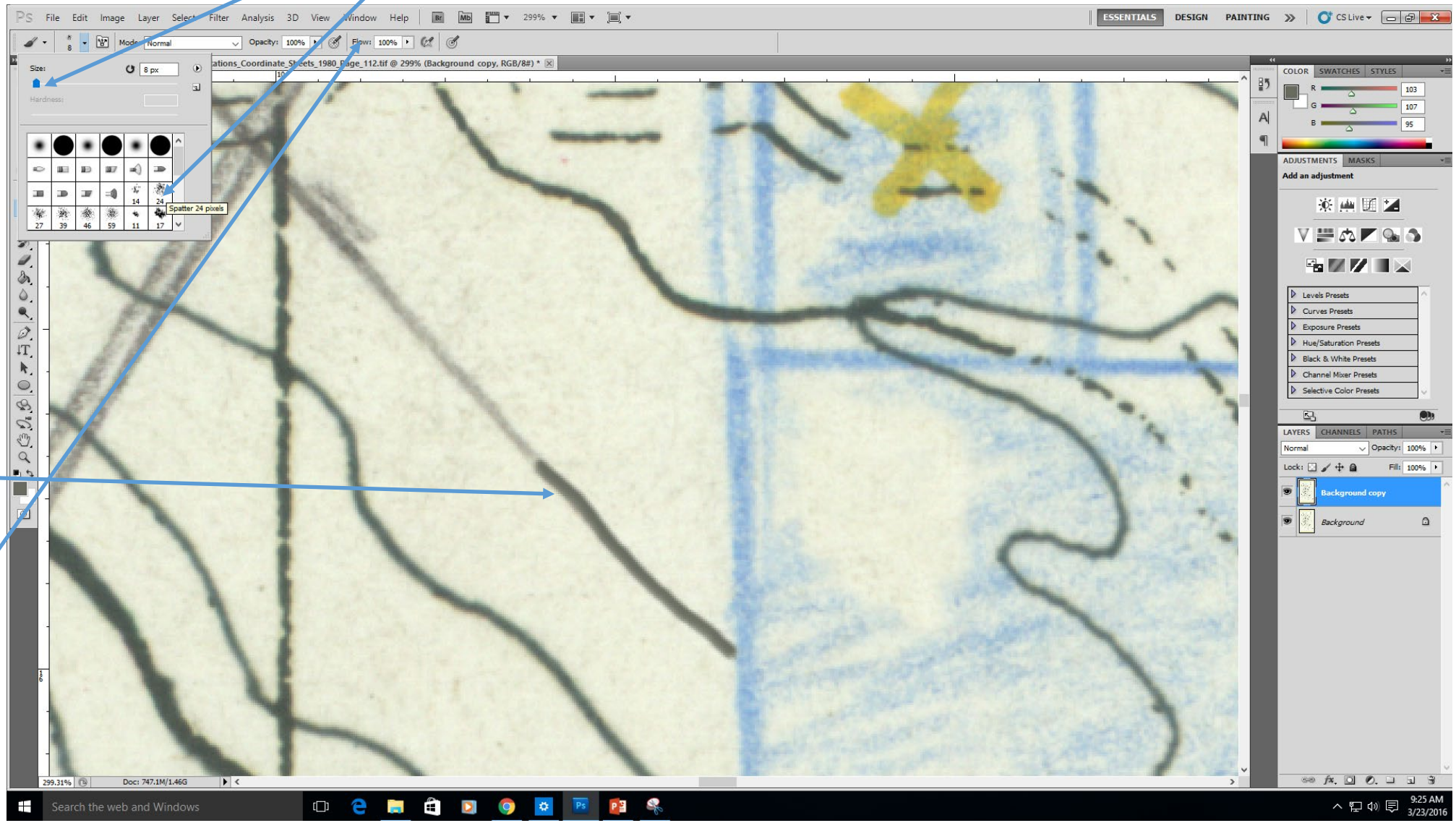
Next, hold the **alt** key and click on the line in order to match the brush color to the line color. The mouse cursor will turn into the eyedropper when the alt key is held down.

Once the color is matched, use the brush to paint over the broken sections of the topo line.



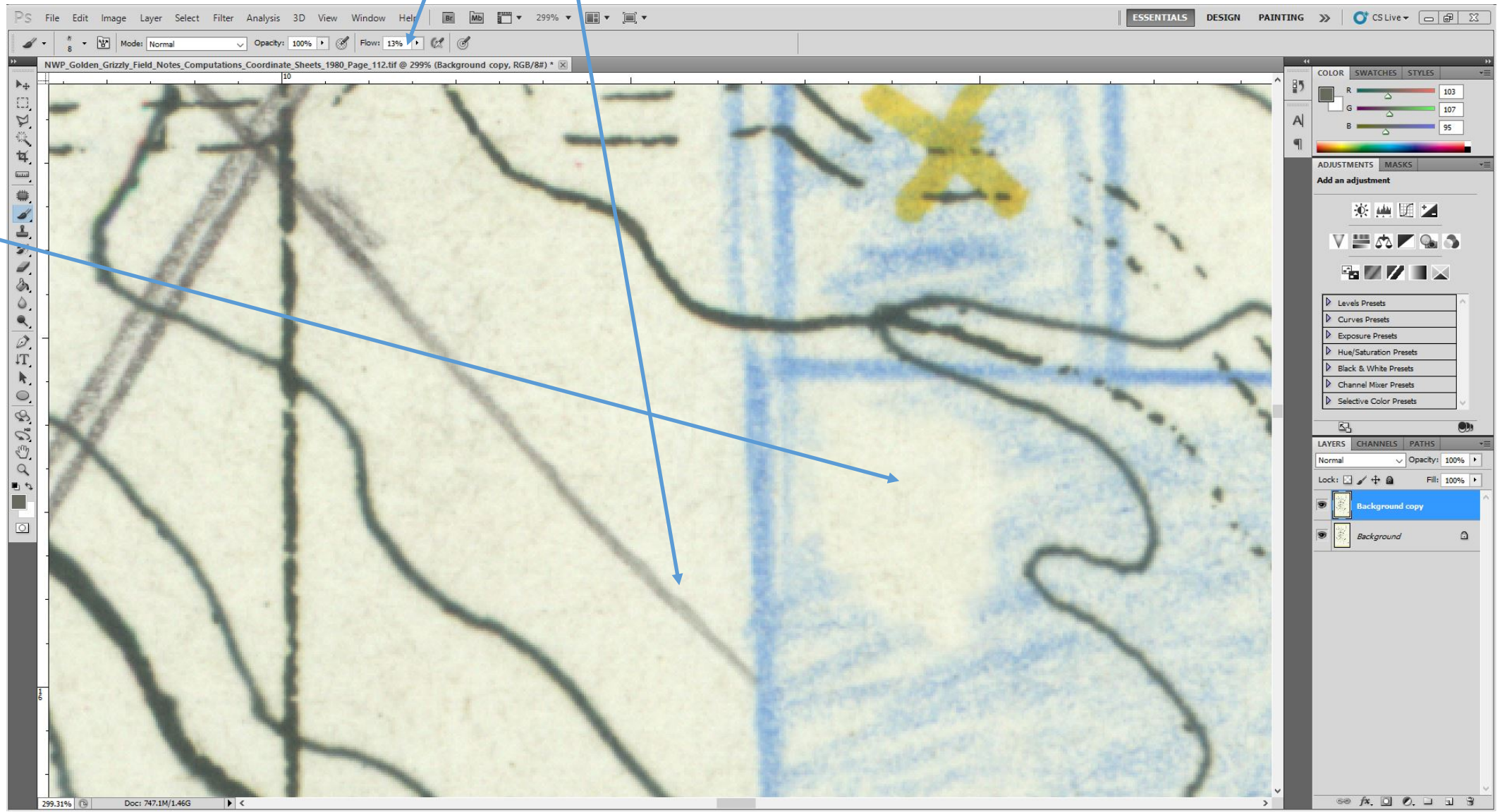
Now the topo line is restored. Next, you can extend the pencil line using the **brush** tool. The pencil line is not as solid as the topo line, so different brush settings will be needed. In this case, a **spatter brush** tip works best. It may be necessary to test several tips before you find the closest match. In this case, the **Spatter 24 pixels** tip preset was selected, then resized to 8 pixel.

Be sure to hold **alt** and click the pencil line to match the brush color to the pencil line color.
Even with a **spatter tip** selected, if you use the brush now, the newly painted line will look too solid.
To more closely match the pencil line, the brush **Flow** setting needs to be adjusted.



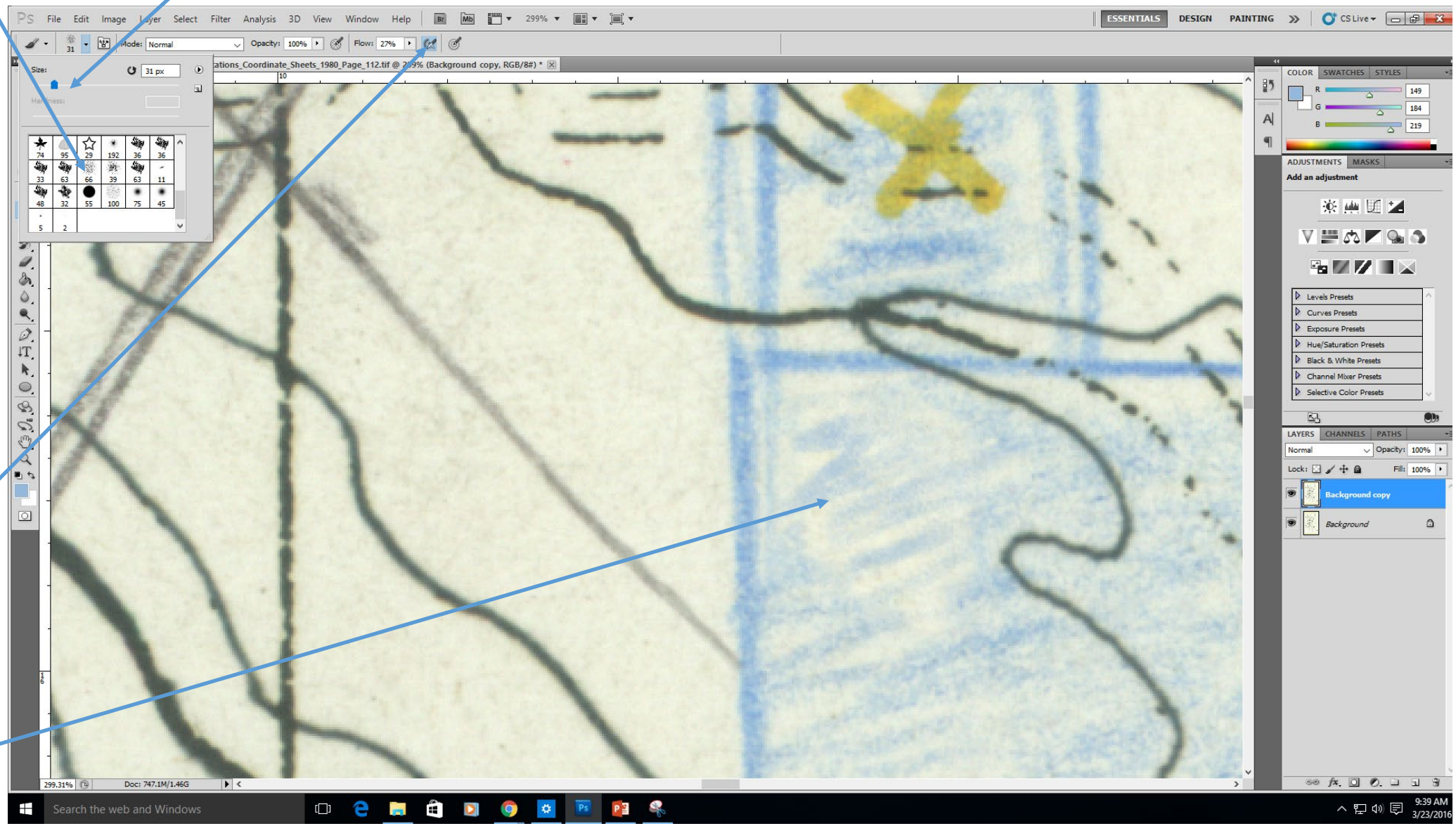
Adjust the brush **Flow** setting until the brush matches the pencil line. You will probably need to test several settings. In this case, the **Flow** appropriate flow setting is 13%.

Another section that will benefit from the **brush** tool is the faded colored pencil area.



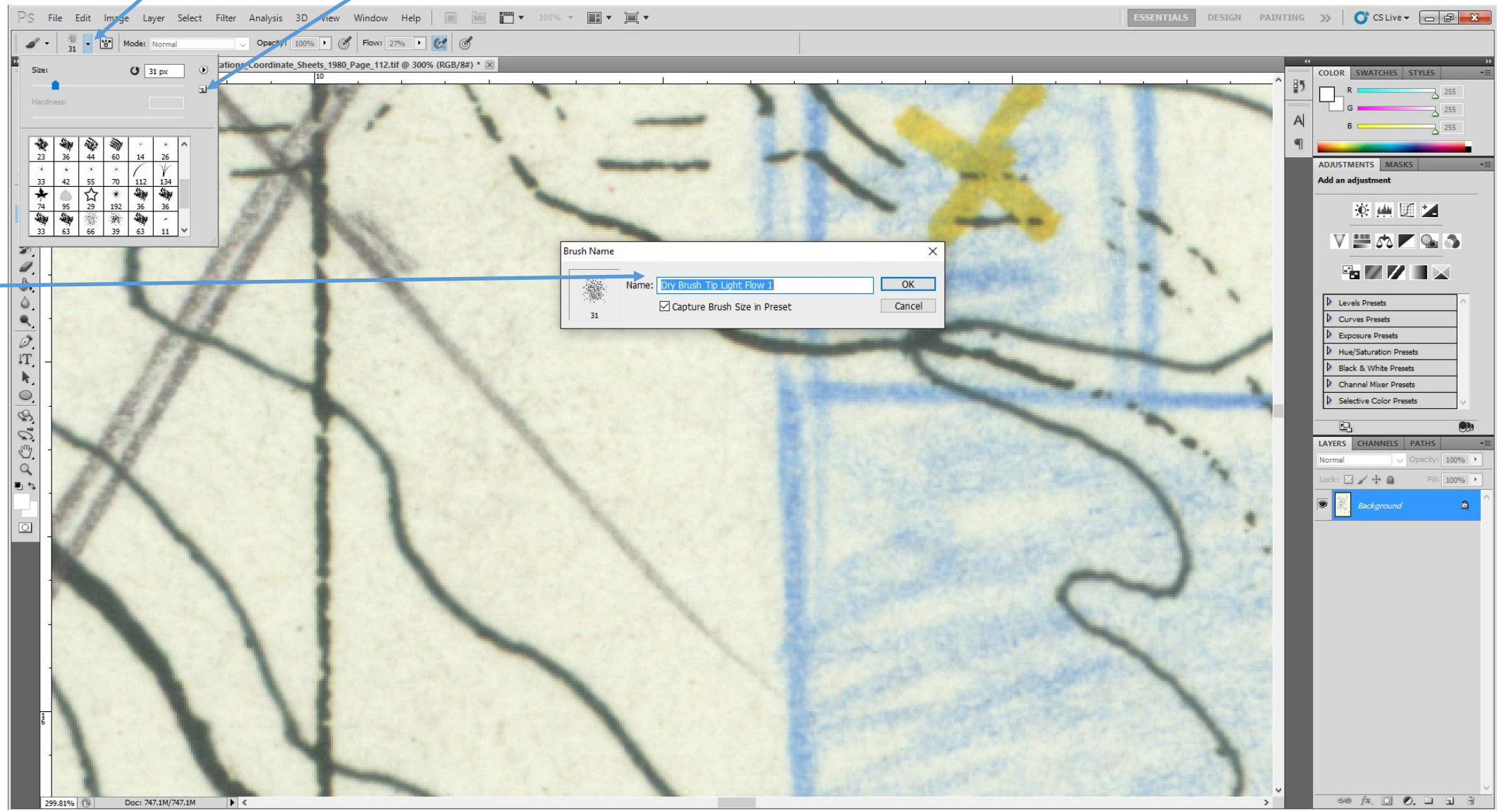
For the colored pencil area, different **brush** tool settings are needed. In this case, a **Dry Brush Tip Light Flow** matches the colored pencil closely. A brush tip size adjustment to 31 pixels more closely matches the pencil strokes. Make sure to match the color again.

The brush **Flow** setting can also be adjusted to match the grainy pencil strokes. In this case, a Flow of 27% matches well. However, the strokes still seem too solid with these settings. In this case, the brush tool **Airbrush Mode** needs to be enabled to add even more graininess to the strokes.



When working with many similar maps or documents, it can be useful to save the **brush** tool settings for future use on documents. In order to save **brush** tool settings, click on the **Create a new preset from this brush** button.

You can give the brush preset a custom name, and it will be saved in the **Brush Preset Picker** menu for future use.



There are many brush presets and many more ways to adjust them. Experiment with the settings to find the ones that best fit the document on which you are working.

Remember to save your work.