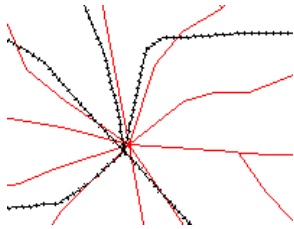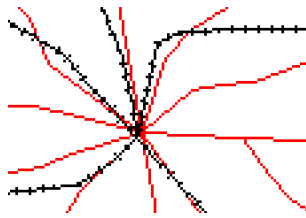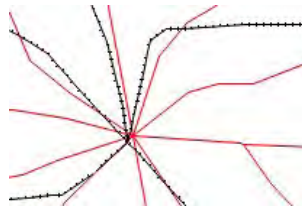# Antialiasing and Hinting of Thin Lines

Aliasing is the stairstep effect in lines drawn digitally using a fixed, uniform color and intensity. Antialiasing removes or reduces the jagged effect. TNTmips accomplishes antialiasing using transparency to provide a smoother appearance for lines. Antialiasing is applied to any line that has a width of less than 1.5 pixels at the scale being drawn. The illustrations below were captured either from the View window or from a magnifier utility.

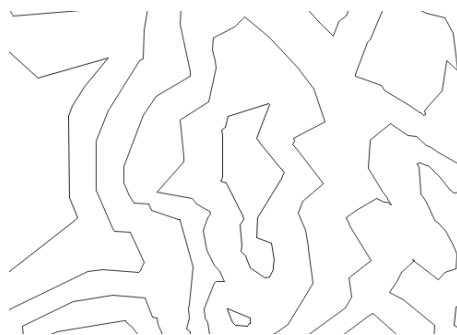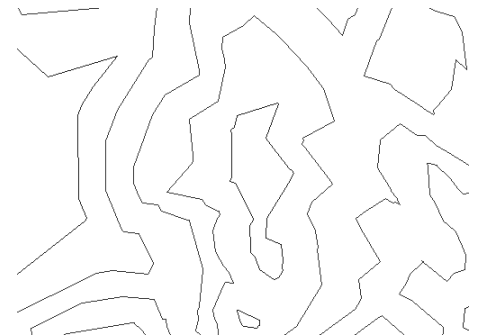|			
aliased View capture	aliased magnified	antialiased View capture	antialiased magnified

Hinting uses transparency to represent lines that would be less than one pixel at the current scale. Unlike antialiasing, which uses transparency to smooth the line where it would appear jagged, hinting applies to the line as a whole. The degree of transparency is proportional to how much less than one pixel the line width would be at the scale drawn. Hinting and antialiasing can be turned on and off independently for each View or for all newly opened Views.

hinting/antialiasing on, View capture	hinting off, antialiasing on, View capture	hinting/antialiasing off, View capture