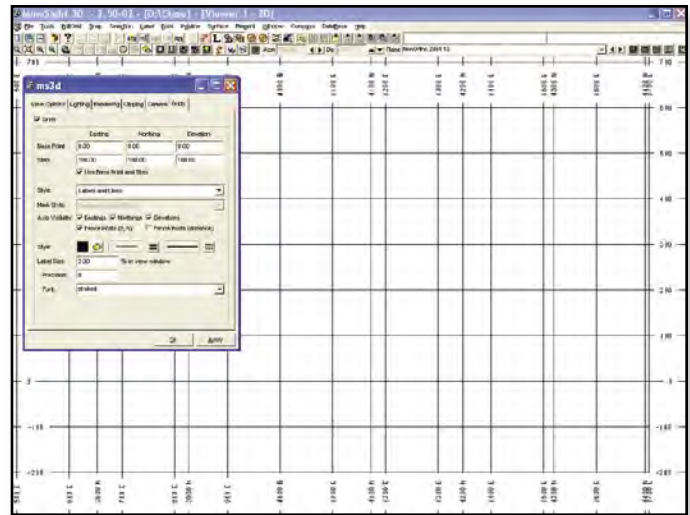




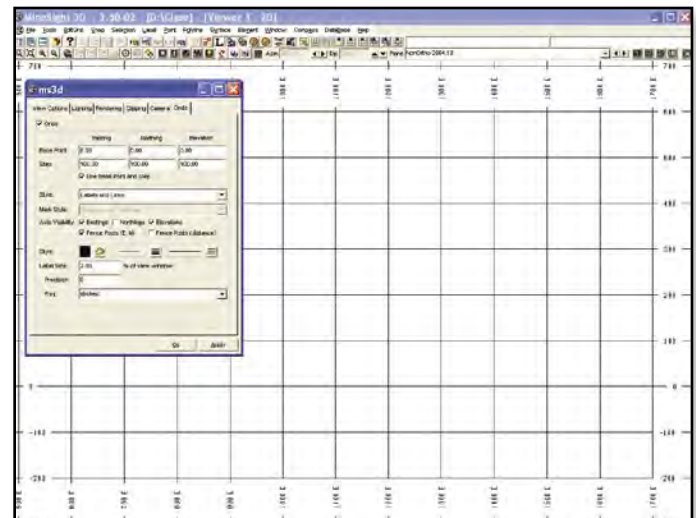
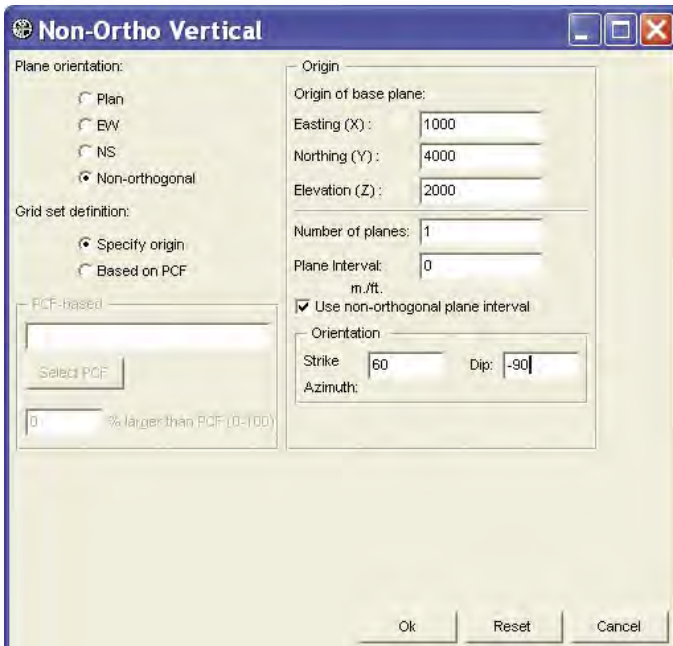
# Digitizer Setup for Non-Orthogonal Vertical Section

Before starting to set up the digitizer, set up the non-orthogonal grid set section where you will be working.

In the working folder create a new non-orthogonal vertical gridset.



By default, the axis visibility for the **Northings**, **Eastings**, and **Elevations** are shown. Turn off the **Northings** and use the **Eastings** as a reference or vice versa. For this example, we will turn off the **Northings**. This leaves the **Eastings** on the horizontal axis and the **Elevations** on the vertical axis.



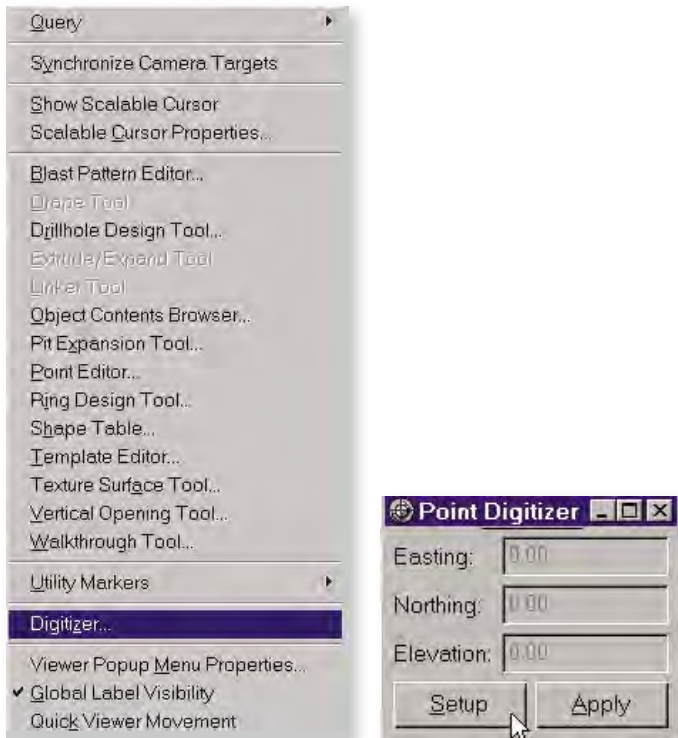
Then attach the gridset to the viewer and select 2-D mode.

To turn on the grid lines, click on the viewer grid toggle. Then, click on **Viewer Properties** and select **Grids Tab**.

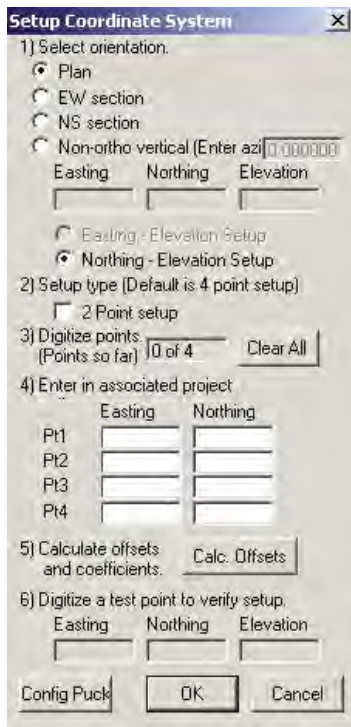
(continued on page 7)

(Digitizer Setup for Non-Orthogonal Vertical Section continued from page 6)

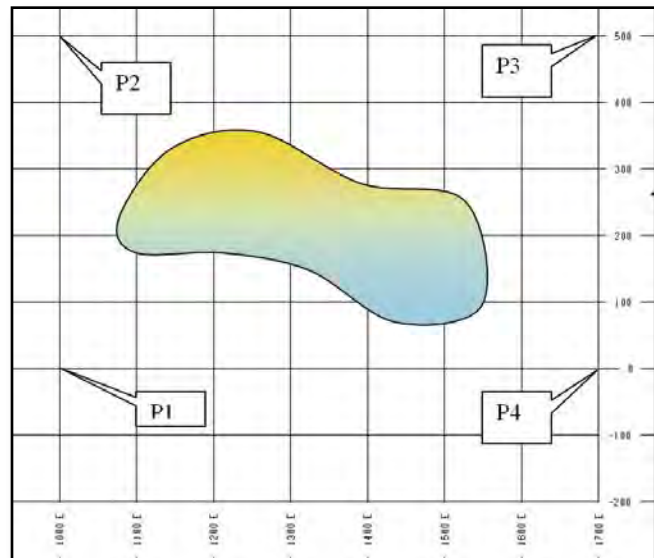
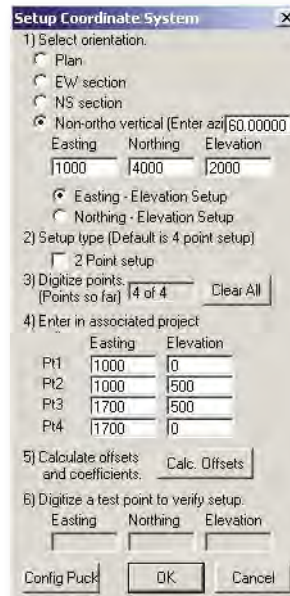
You are now ready to start using the digitizer. Go to **Tools | Digitizer** and click on the set up button.



By default the set up coordinate system pops up as shown below:



- 1) Select the orientation. For this example, use a Non-orthogonal vertical plane, with an azimuth of 60 degrees and an origin point of X=1000, Y= 4000, Z= 2000. (Refer to the gridset shown on page 6). It should be noted that the eastings and the elevations are being used for this setup.
- 2) Setup type. By default the program uses four points, however, a box can be checked to use a two point setup. For this example, we are going to use the default (four points).
- 3) On the digitizing board start entering the four reference points.
- 4) On the setup coordinate system, enter the coordinates of the four points.



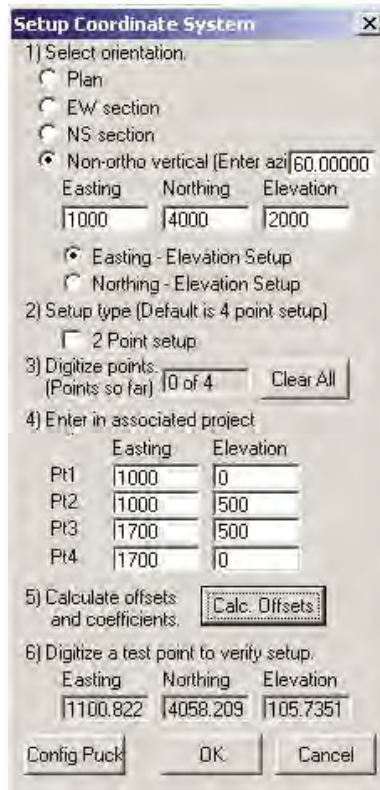
Since digitizing is on a non-orthogonal vertical plane, use the following steps:

(continued on page 8)

(Digitizer Setup for Non-Orthogonal Vertical Section continued from page 7)

5) Click on the **Calc. Offsets** button.

6) Digitize a test point to verify the setup.



Then click on the **Ok** button. Go to **Polyline | Create Polyline**, and you are ready to start digitizing.

