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## Chapter 16

# Port Viewer

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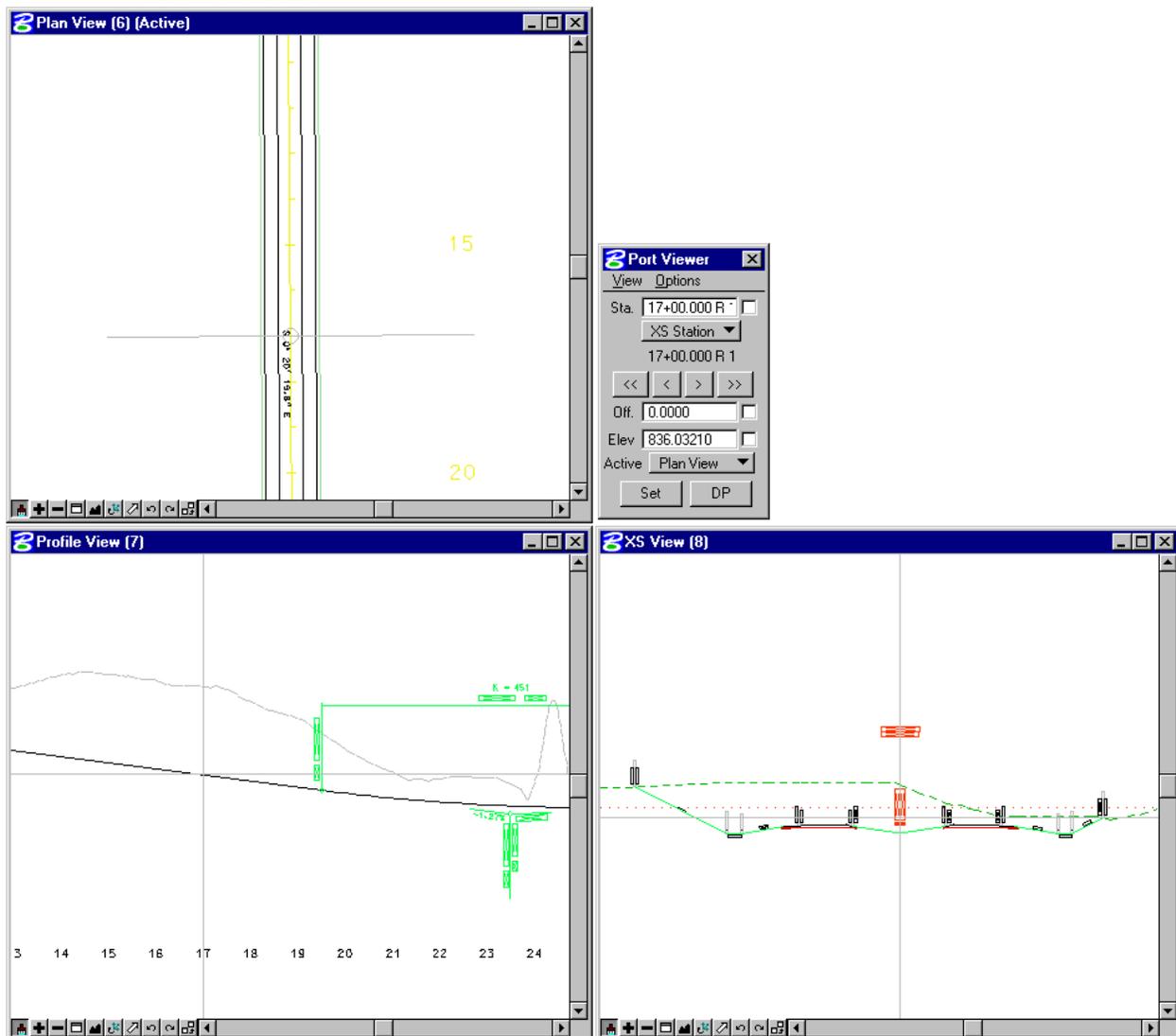
## 16.1 Objectives

- Learn how to use Geopak's **Port Viewer** utility.

## 16.2 Definitions

The **Port Viewer** is a tool that enables the user to view and manipulate all three major aspects of a road design simultaneously, even though they are located in different files. These include:

- Plan
- Profile
- Cross-sections



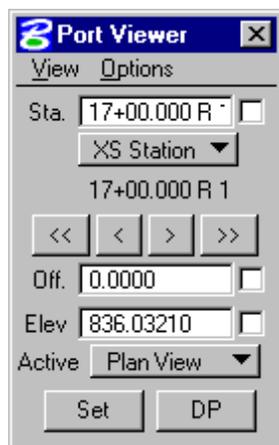
# Chapter 16 Port Viewer

## 16.3 Accessing

Prior to starting the **Port Viewer** the working alignment must be set up to include the plan view drawing file, centerline chain, profile view file, profile name and location, and cross-section view file.

To access the **Port Viewer**, choose the **Port Viewer** button from the **Project Manager** dialog.

## 16.4 Dialog



The **Port Viewer** dialog box allows the user to manipulate the views several different ways.

The user is able to key-in the **Station** they want to view. The cross hairs in the plan and profile views will move to the keyed-in station, and the section view will display the cross-section nearest that station.

The navigation buttons allow the user to navigate station by station (< or >), or to the beginning (<<) or ending (>>) station.

The **Offset** option will control the location of the circle in the plan view and the vertical cross hair in the cross-section view.

The **Elevation** option will control the location of the horizontal cross hairs in the profile and cross-section views.

If the Portview TIN is defined in the **Working Alignment** definition, the DTM view can be substituted for the cross-section view. The DTM view will cut a section at the location of the cross hairs in the plan view.

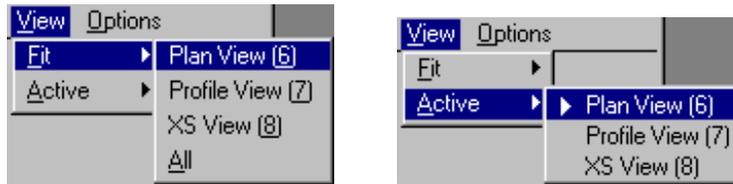


The **Active View** chooses the view to change the current file. Any Microstation drawing commands will be executed in the **Active View**. If the user wants to draw something in the cross sections, they should switch the **Active View** to XS View.

Selecting the **Set** button allows the user to move the cursor to a view and move the cross hairs. As the user moves the cursor along the view, the other two views will be updated according to the placement of the cursor in the current view.

The **DP** button allows the user to issue a data point for a Microstation command. For example, if the user wanted to draw a line at the given station and offset listed in the **Port Viewer** dialog, they would select the line tool, and press the **DP** button. This would begin drawing a line at the given station and offset.

The **View** menu at the top of the dialog box allows the user to fit one or all of the views, or to select the **Active View**.



The **Options** menu controls which cross hairs to display, as well as the symbology of the DTM section view.

