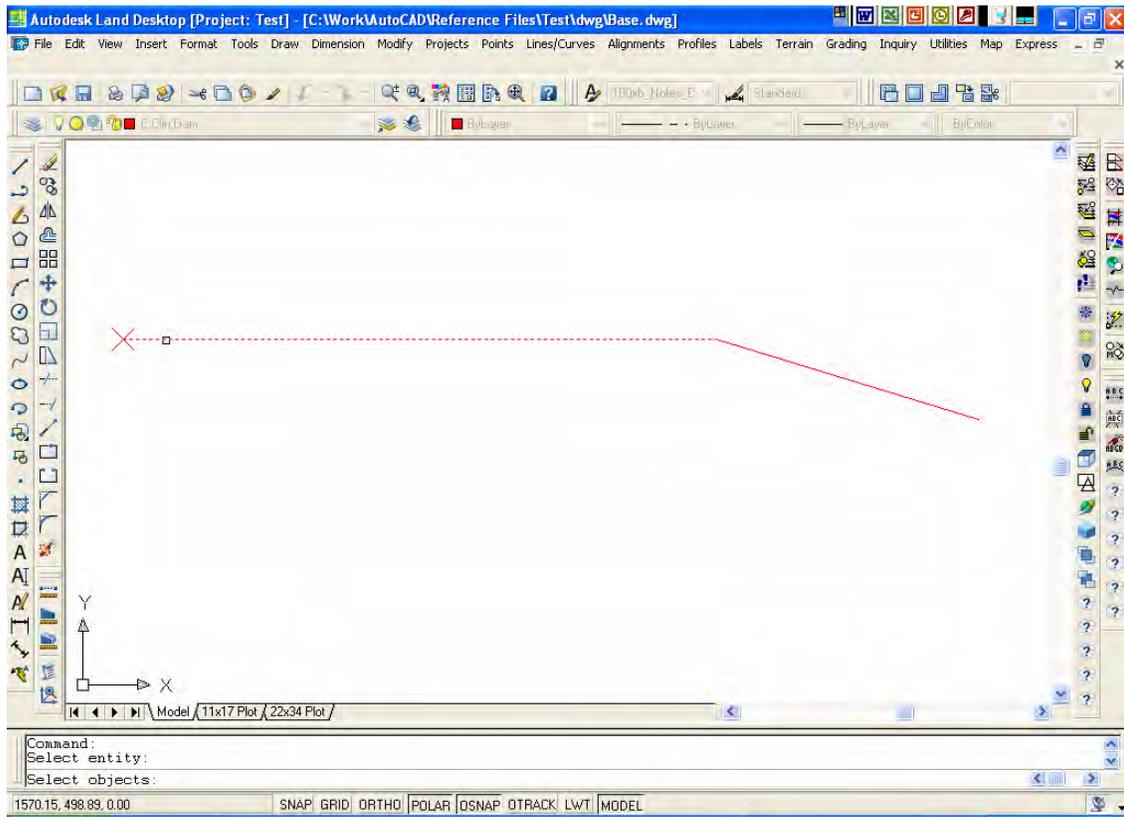
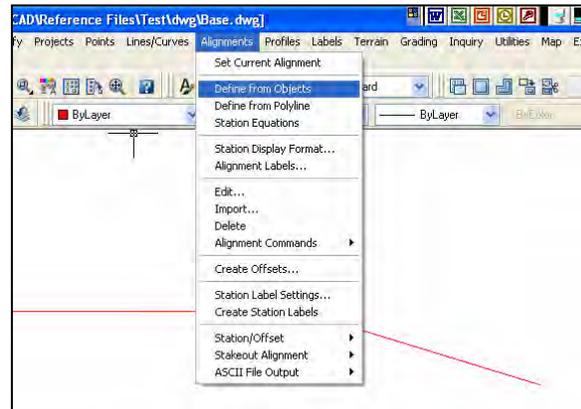


DEFINING AN ALIGNMENT USING LINES

NOTE: This procedure also works for other entities such as arcs.

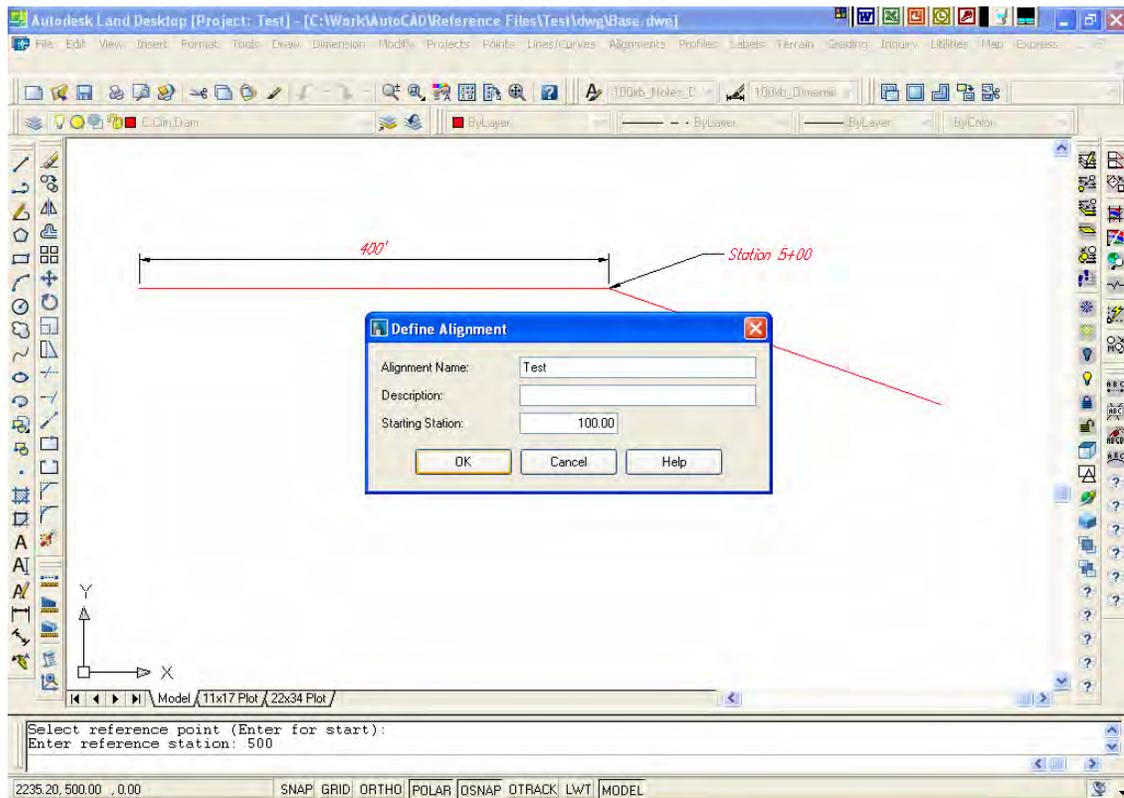
1. From the Alignments menu, select Define from Objects. If the Alignments menu is not displayed across the top of the screen, you will need to switch to the Civil Design menu palette.
2. The prompt “Select Entity:” will appear at the command line.
3. For an alignment consisting of a single line, select the line near the end where you want the alignment to begin. A large X will appear on the end of the line nearest to where you clicked on it (see below). This X represents the beginning point of the alignment that you are defining.



4. If the alignment consists of several individual lines in sequence, you will continue to select the line segments that will make up the complete alignment now. Each line will show up as dashed as it is added to the list of lines that will be used to define the alignment. The beginning point will remain the same even if additional lines are added to the alignment string.

DEFINING AN ALIGNMENT USING LINES

5. Right click or hit enter when you are finished selecting line segments to be used to define the alignment.
6. The prompt “Select reference point (Enter for start):” will appear at the command line. If you want to begin the stationing of the alignment at the beginning point of the alignment (the point where the X appeared during Step 3 above), hit enter and the Define Alignment window will appear.
7. If you want to define a different reference point for the stationing of the alignment such as a point where you know what the stationing of the alignment you are creating should be, select that point now. You will now be prompted to enter a station for that reference point at the command line. Enter the reference station and hit enter to bring up the Define Alignment window.
8. In the Define Alignment window, you can give the alignment a name, a description, and a starting station. If you selected the beginning point of the alignment as your reference station as in Step 6 above, the starting station in the Define Alignment window will default to 0.00.



9. If you manually selected a reference point and provided a reference station as in Step 7, the starting station value that will appear in the Define Alignment window will have been automatically calculated to be the station at the beginning of the entire alignment string based on the stationing that you provided at the reference point that you selected. In the example above, a reference point was selected at the intersection of the two lines and given a station of 5+00 (entered as 500). As you can see, the starting station (at the left end of the horizontal line) was automatically determined to be 100.00.

