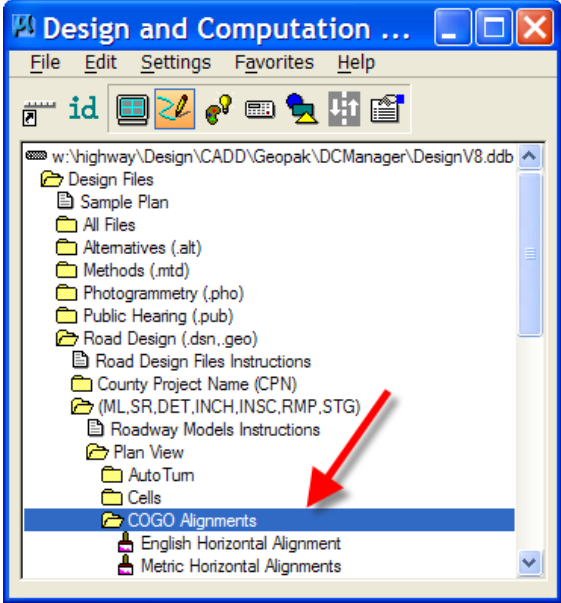# COGO Alignments, Plan View

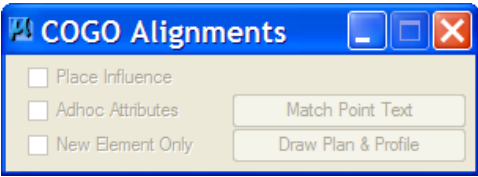Design Manual
Chapter 21
Automation Tools
Instructions

Originally Issued: 09-20-10

This tool can be accessed from the Geopak: D&C Manager, as shown at the right.

(If the item is not found as shown, use the *D&C > Edit > Find* tool to locate it.)
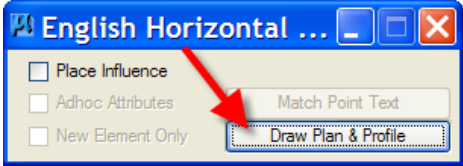
After *double-clicking* the **COGO Alignments** item, the **COGO Alignments** dialog, for Horizontal Alignments, will display, as shown below.
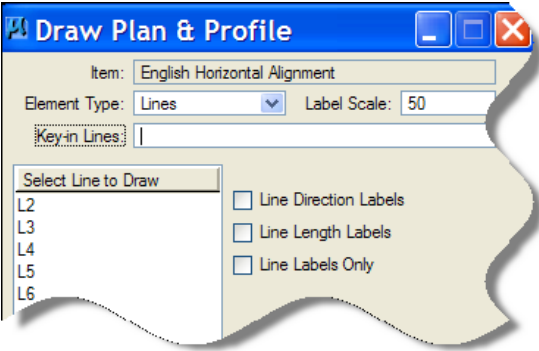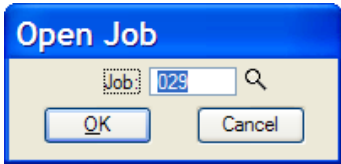
Double-clicking either the "**English…**" or the "**Metric Horizontal Alignment**" tool, (shown above), will run a program that will determine the resolution and scale of the open model, to be used later to populate the **Geopak Label Scale** field on the **Draw Plan & Profile** dialog.

Double-clicking either of the two above listed tools will also activate the "**Draw Plan and Profile**" button on the **Horizontal Alignment** dialog, as shown by the arrow at the right.
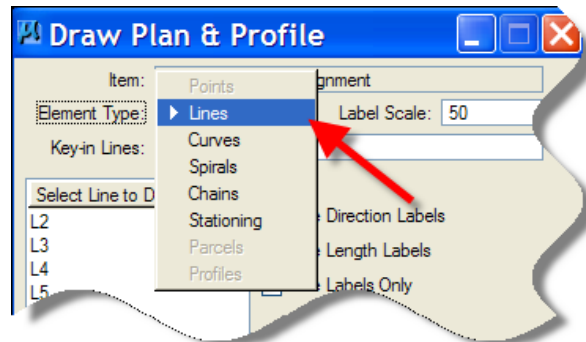
Clicking the "**Draw Plan & Profile**" button will activate the "**Open Job**" dialog, shown at the right. Select the appropriate "gpk" file, (**job**), and *click* the **OK** button. This will produce the **Draw Plan & Profile** dialog, shown below.

The **Element Type** drop-down list, shown at the right, provides the options for:
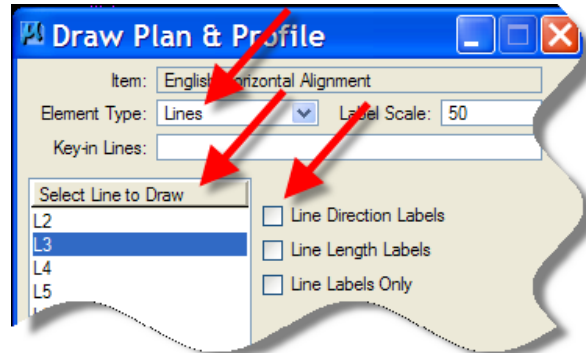**Lines,**
Curves,
Spirals,
Chains,
Stationing", and more.

The "**Lines**" **Element Type** provides the three options listed below and shown at the right.
Line Direction Labels,
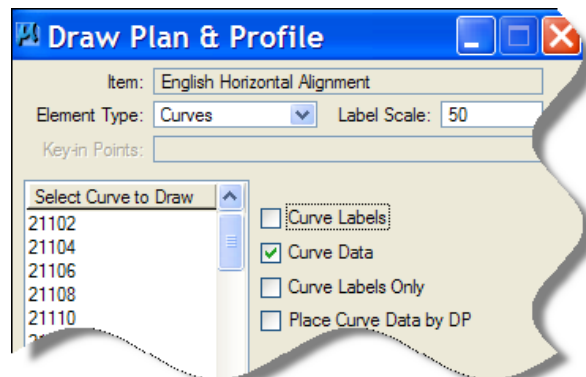**Line Length Labels, and**
Line Labels Only

Any or all of the options can be selected. A "**Line**" must also be selected from the "**Select Line to Draw**" list, if any are available.

If the "**Curves**" **Element Type** is selected, the options change as listed below, and as shown at the right.
Curve labels
Curve Data
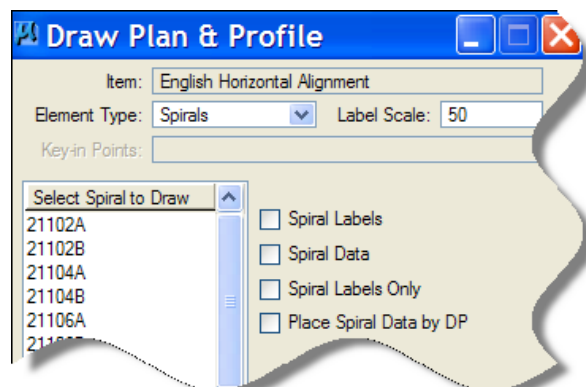**Curve Labels Only**
Place Curve Data by DP

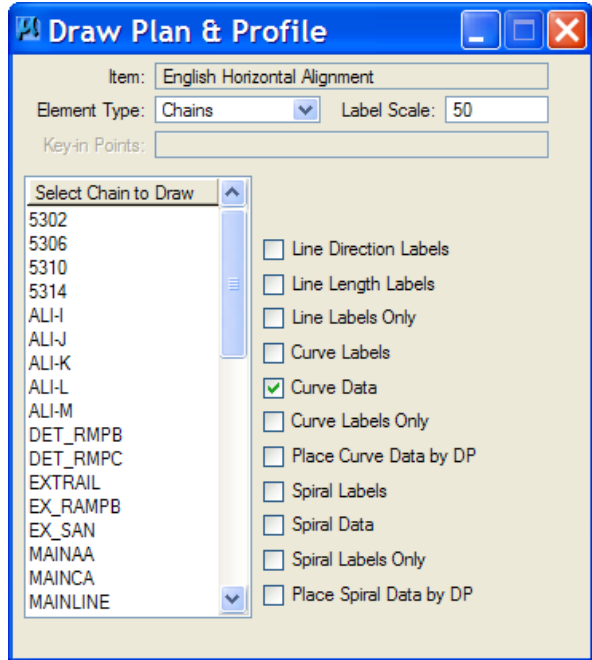As mentioned above for **Lines**, a "**Curve**" must also be selected from the "**Select Curve to Draw**" list.

Selecting the "**Spirals**" **Element Type** produces the following option list:
Spiral Labels
Spiral Data
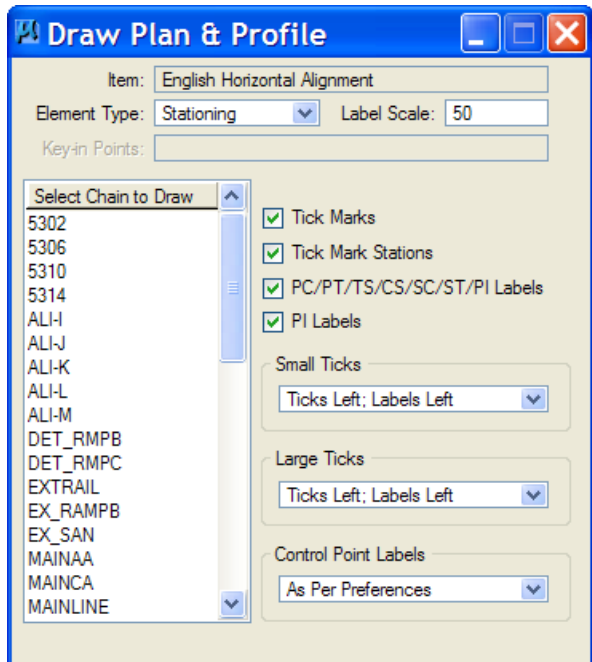**Spiral Labels Only**
Place Spiral Data by DP

As mentioned above for the other **Element Types**, a **Spiral** name must also be selected from the list.

The "**Chains**" **Element Type** produces a longer list of options, as shown at the right.

The options available when the "**Stationing**" **Element Type** is selected, are shown below.

The *drop-down* lists under both the **Large** and **Small Ticks** items provide several additional options, as listed and shown below.
> **Ticks Left; Labels Left**
> **Ticks Right; Labels Right**
> **Ticks Both; Labels Left**
> **Ticks Both, Labels Right**

There are also additional options under the **Control Point Labels** item, as listed and shown below.
> **As Per Preferences**
> **Force Left**
> **Force Right**

In all the examples above, the desired *check-box* options should be checked (☑) <u>before</u> selecting the "**Line, Curve, Spiral, Chain, or Stationing** item **to Draw"** from the list. The process will begin immediately after an item is selected.