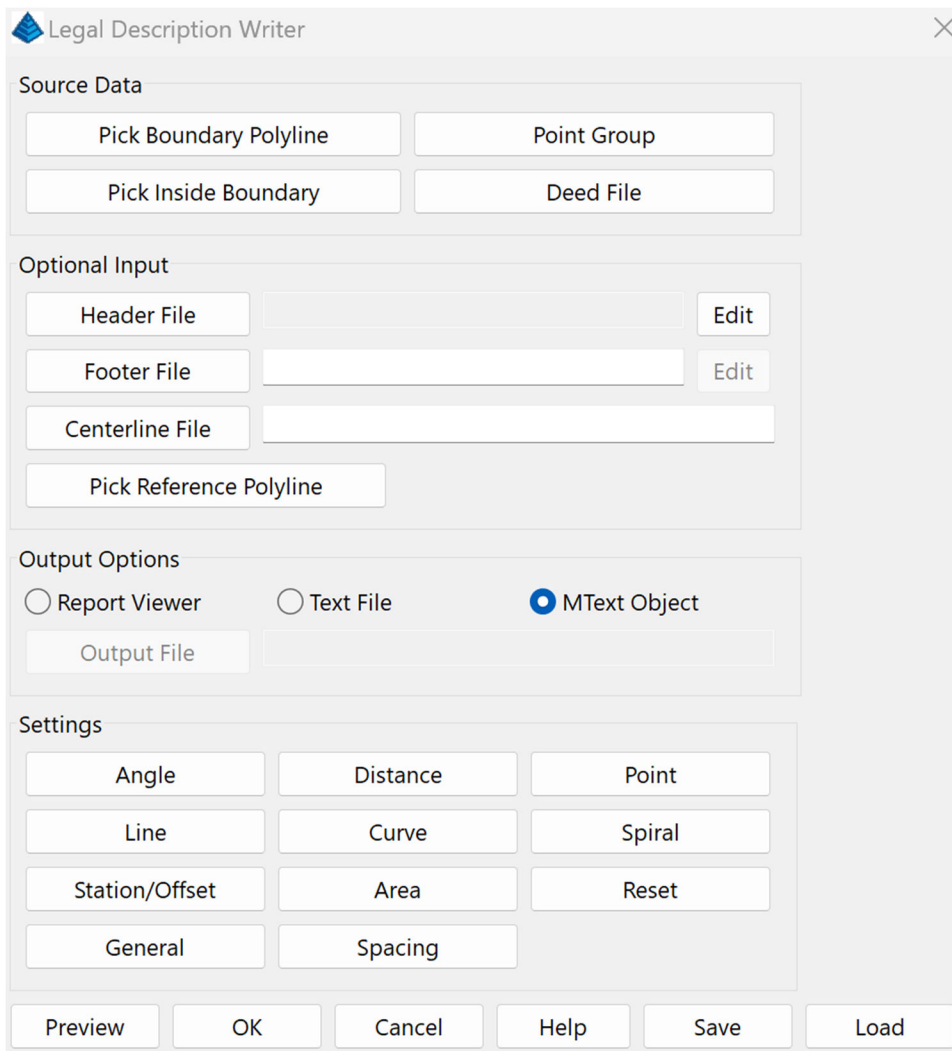


Legal Description Writer Workflow

Legal Description writer allows the user to generate a new composite legal description from an existing closed polyline or closed boundary in a drawing.

Workflow Steps

1. Either on the menu or the ribbon navigate to Survey, Legal Description Writer icon which will present a dialog box.



The dialog box is titled "Legal Description Writer" and contains the following sections:

- Source Data:** Four buttons: "Pick Boundary Polyline", "Point Group", "Pick Inside Boundary", and "Deed File".
- Optional Input:** Three text input fields with "Edit" buttons: "Header File", "Footer File", and "Centerline File". A "Pick Reference Polyline" button is also present.
- Output Options:** Three radio buttons: "Report Viewer", "Text File", and "MText Object" (which is selected). Below them is an "Output File" text input field.
- Settings:** A grid of buttons: "Angle", "Distance", "Point", "Line", "Curve", "Spiral", "Station/Offset", "Area", "Reset", "General", and "Spacing".
- Buttons:** "Preview", "OK", "Cancel", "Help", "Save", and "Load" at the bottom.

2. Select either the *Pick Boundary Polyline* (must be a closed polyline) or *Pick Inside Boundary* (must be a closed boundary). If your boundary consists of a series of individual lines and arcs (2D or 3D) select *Pick Inside Boundary*. If the line is a polyline (2D or 3D) select *Pick Boundary Polyline*.

3. The default output option is MText Object which allows the newly created legal description to be displayed in Mtext format in the drawing (so, it will require the user to *Pick Starting Location*). If Text File has been selected the software will prompt for a name and location of the text file to be saved. If *Report Viewer* output option is selected see Carlson Report Viewer Quick Reference Guide.
4. At this stage a legal description has been generated. However, additional settings may be used to further customize the appearance and format of the legal description. See the example below to see how the default description is formatted.

Beginning at a;
thence with a curve turning to the right an arc length of 210.02 feet, a radius of 100.00 feet, and a central angle of 120°20'07";
thence S 34°52'03" W, 91.56 feet;
thence S 80°40'07" W, 294.75 feet;
thence N 04°57'30" E, 300.17 feet;
thence S 85°28'04" E, 243.87 feet
to the point of beginning.
comprising an area of 83932 square feet, 1.93 acres.

Additional Settings

Settings		
Angle	Distance	Point
Line	Curve	Spiral
Station/Offset	Area	Reset
General	Spacing	

Best Practice Note:

The recommended practice is to begin with the General button which includes settings such as upper or lower case, text size scaler and layer, as well as the body of the description starts and ends. Note that all settings are case and space sensitive. Sometimes changes in the general settings button are sufficient, however sometimes additional changes may be required using settings found under the other buttons (i.e. distance, line , curve, area, etc.).

Explore each button and make adjustments as desired while reviewing the results until satisfied. All adjustments to settings have been made to the Carlson default settings unless saved with a unique name (company or individual initials, etc.). The settings file (.lgl extension) for legal descriptions can then be loaded/ retrieved for future drawings.