

Importing Points Workflow

The first thing to consider before importing points is to review and verify the dataset. Briefly analyze the point numbering, point descriptions for consistency, format (PNEZD) comma delimited, etc. A quick way to see this is by double clicking on the .txt file which will bring up MS Notepad showing the point file. If more pre-editing is necessary it is recommended that you open the .txt file with MS Excel which will force the creation of an excel spreadsheet from which a .csv or .txt file may be exported.

Workflow Steps

1. A coordinate file (.crd) must exist before points can be imported. This can be done as a part of the initial drawing setup or during the importing points workflow.

- a. **Part of drawing setup:**

- i. Navigate to Points either on the Menu bar or on the Ribbon. Select “Set Coordinate File” the following dialog box will appear. Create a new coordinate (.crd) file.
- ii. Select the New tab.
- iii. Provide a unique .crd file name. (the software wil generate and default file name that may be used) **BP: create a new file name that is consistent with the job/project setup on the data collector, accounting software or other office record keeping (i.e. 24-118 Jones)**

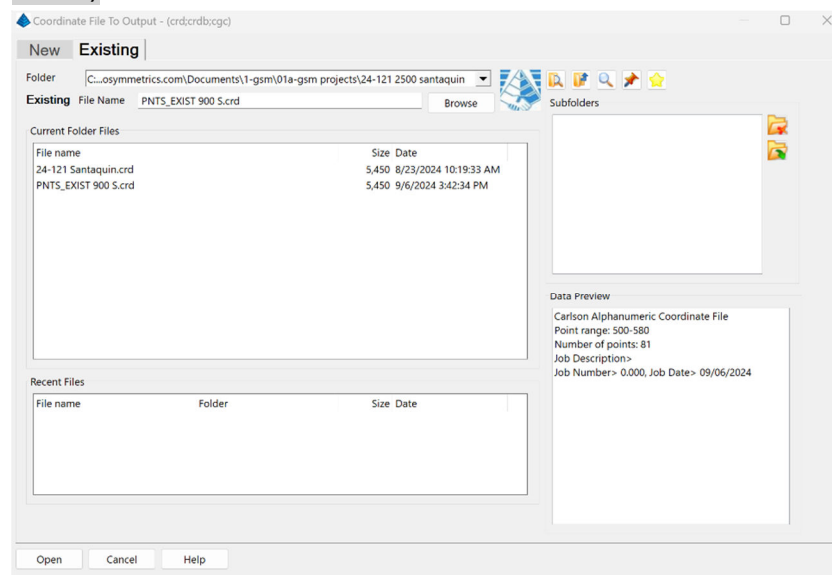


Figure 1 Coordinate File to Output

Importing points workflow:

- iv. Navigate to Points either on the Menu bar or on the Ribbon. Select “Import Text/ASCII file”
- v. Select text/ASCII file to be imported.

Import Text/ASCII File

Files to Import

C:\Users\dange\OneDrive - geosymmetrics.com\Documents\1-GSM\01a-GSM Projects\24-121 2500

Select Files Remove File Source File Format User Defined

Available Identifiers

P=Point Name D=Description N=Note M=Multiple Notes

Y=Northing X=Easting Z=Elevation S=Skip

Common Formats

P,Y,X,Z,D

Coordinate Order P,Y,X,Z,D Use Import Formatter Select Wizard

Preview Window

500,7154527.0066,1560228.6025,5117.2100,WV
501,7154527.2718,1560241.2768,5117.2300,WV
502,7154510.6537,1560235.0418,5117.1500,WV
503,7154546.9499,1560315.7866,5117.8500,WM

Change Point Names

Value to Add to Names 0 Name Prefix Suffix

Filter Options

Wildcard Description Match * Skip With Description Prefix

Header Lines to Skip 0

Range of Points to Read ALL Use Inclusion/Exclusion Areas

Process Options

Draw Points Off Point Group to Assign Set

☒ Point Protect ☐ Process Space Separated DMS Latitude/Longitude

Store to Coordinate File

☒ Current ☐ Prompt for Another ☐ Name Another by Input File

Current: None

OK Cancel Help Load Save

Figure 2 Import Text/ASCII File dialog box

- vi. Ensure the format identifiers match the text/ASCII format. (i.e PNEZD)
- vii. Using the settings shown in Figure 2 the points will be imported into the .crd file but will not be displayed in the drawing.

viii. Click “Ok”

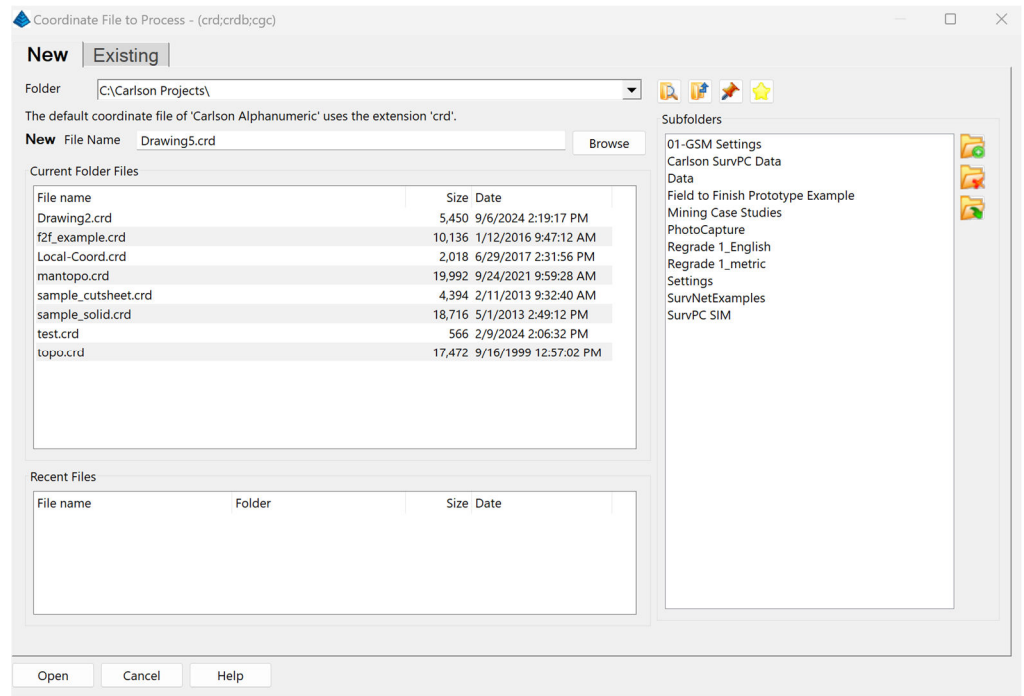


Figure 3 Coordinate File to Process dialog box

- ix. Select the New tab to create a unique .crd file name as shown in Figure 3. Click “Open”
 - x. A dialog box will appear indicating the number of points that have been read into the .crd file showing the specific file pathway
2. All text/ASCII points now exist in the .crd file. A new coordinate file (.crd) and the selected points have been imported to the new .crd file.
 3. Points can be viewed using the points list function (Points menu, select List Points) the following “list points” dialog box will appear per Figure 4.

List Points

Selection Method
☒ Range ☐ Area ☐ Selection Set

Range Settings
 Highest Point Number > 580
 Range of Points 500-580

 Description Match *

Report Options
☐ Report Coordinate Range
☐ Report Job Header
☐ List Point Notes
☐ List CRDB GIS Attributes
☐ List SurvPC/CE GIS Attributes
☐ Use Report Formatter
☐ Include Geodetic Report
☐ Double Space Between Points
 Coordinates in Inches Off
 North/Easting Decimals 0.0000
 Elevation Decimals 0.00

Figure 4 List Points dialog box

4. Before clicking the OK button ensure that NO report options are selected. (See Quick Reference Guide - Reporting Options). Then click the OK button.
5. A dialog box showing point details will be displayed.