

Program and Vector Data Overview

Similarity of CAD, Vector PDF and LandXML Data

A short overview of the typical steps for importing and processing vector data files is provided on pages 50-51 and detailed instructions are provided in the “Step-by-Step” exercise beginning on page 52. With few exceptions, the basic steps for importing and manipulating any AGTEK-compatible vector data file are virtually identical . . .

- ◆ The primary difference in working with various vector data files is in the initial steps of importing the file . . .
 - When importing vector PDF data, a scale must be set, verified and (if necessary) corrected for each plan sheet. ***If you are referencing this handbook and working with vector PDF data, follow the steps beginning on page 54.***
 - Scale verification and editing is typically not required when importing CAD and LandXML data (because horizontal dimensions are defined by the point coordinates in these files). ***If you are referencing this handbook and working with CAD data, follow the steps beginning on page 80 (see page 94 for notes regarding LandXML import).***
 - For seminar attendees, we will work through the specific steps for vector PDF import (page 54), followed by the steps for CAD import (page 80).
 - We won’t cover them in the seminar class, but the initial steps for LandXML import and transfer are provided on page 94.
- ◆ After completing the initial steps of importing a vector file, the remaining steps of selecting and transferring the resulting vector data, finding and correcting any bad elevations, and 2D-to-3D conversion are identical except for some minor differences . . .
 - Line work from vector PDF plans will be completely 2D (no need to check for bad elevations, but more time will be spent on 2D-to-3D conversion).
 - Line work from CAD files is typically a mix of 2D and 3D (some time will be spent checking for and correcting bad elevations, and some time will be spent on 2D-to-3D conversion).
 - Line work from LandXML files should be 3D (some time might be spent checking for and correcting bad elevations, but no time will be spent on 2D-to-3D conversion).