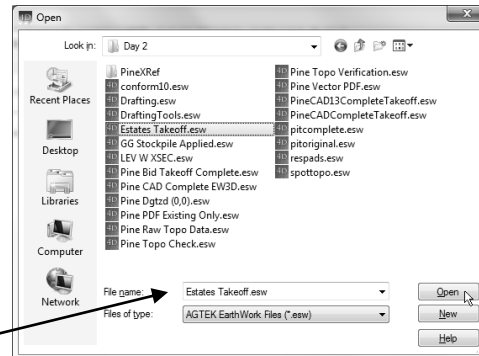


Modeling with ASCII Text Survey Data Quantify and Document Bid Topo Update

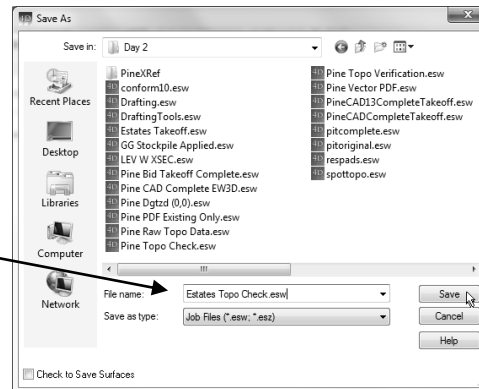
In the borrow pit examples (pages 179 and 187) we imported and processed surveyed topo data without an initial AGTEK job file for the pit site. In this example we will import surveyed topo data into an AGTEK job file, process it with the **Apply Survey** utility and then compare it to the surfaces modeled from the bid grading plan data . . .

Note: If the survey data and ESW files are based on different coordinate systems, one set of data will need to be translated before proceeding (see pages 120, 191 and 307 for examples of coordinate translations).

Step 1: Start the AGTEK program (or select **File > Open** from the menu if AGTEK is already running). In the **Open** dialog, locate and open the desired AGTEK ESW file (**Estates Takeoff.esw** in the *Day 2* data folder for this exercise—see *Appendix C*).



Step 2: Select **File > Save As** from menu and make a working copy of the just-opened takeoff job file (let's name it **Estates Topo Check.esw** in this case). *[Although this step is technically optional, it never hurts to retain an unmodified copy of the original takeoff job file.]*



The job file we've opened in this example includes data for a multi-phase residential subdivision. The eastern section of the site includes a detailed earthwork model for the current bid phase. Our bid quantities estimate (see page 215 or click the **Volume Report** mode button to view the volume report saved in the **Estates** job file) indicates that the current phase is net short 60,007 BCY (this shortage will be "borrowed" from future-phase cut areas). The western section of the site includes a less-detailed model (finish grade only for design with fewer break lines) for the future phase (it's good enough to estimate that at least 62,697 BCY future-phase cut is available to satisfy the current-phase shortage). *[These numbers reflect topsoil stripping, where applicable, of 0.33 feet and an average cut-to-fill shrinkage of 8 percent.]*

