

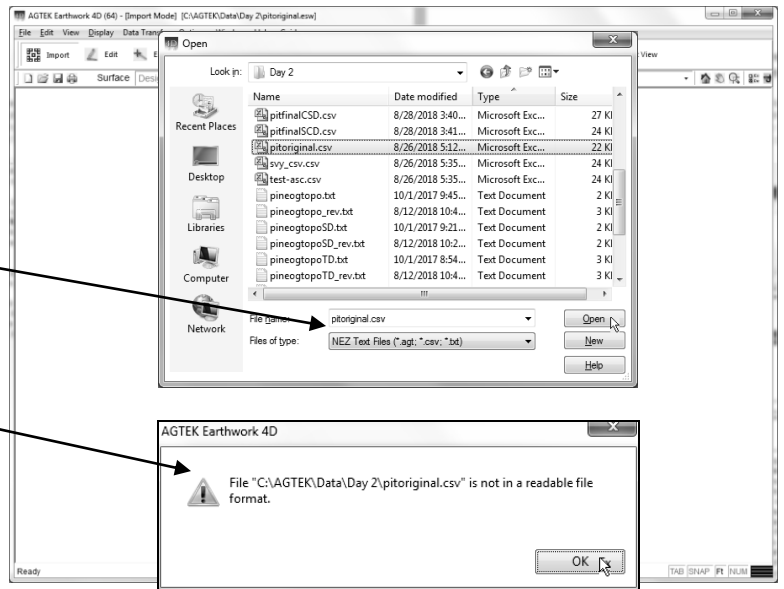
Modeling with ASCII Text Survey Data Borrow Pit Modeling & Volumes II

Unlike the first borrow pit example (page 159), this second example makes use of a starting survey that documents the pit's original topography and a final survey that documents the pit's ending topography—this should result in a more accurate measure of the pit volume (this example also adds a couple of kinks to the process to make it a little more interesting) . . .

The pit area is offsite and not included in a corresponding AGTEK job file, so we'll start from scratch and directly *Open* the starting survey text file in AGTEK.

Step 1: Start the AGTEK program (or select **File > Open** from the menu if already running). In the *Open* dialog, change **Files of type** to **NEZ Text Files**, navigate to the desired folder and file, click the desired file (*pitoriginal.csv* for this exercise—see Appendix C) then click **Open**.

This error message indicates a problem with the format of the text file (see pages 155-156). Click **OK** to close the dialog and we'll use **Windows Notepad** to preview the file that produced the error (while we're at it, we'd better preview the second survey file that will be used in this example to see if it also has a format issue).

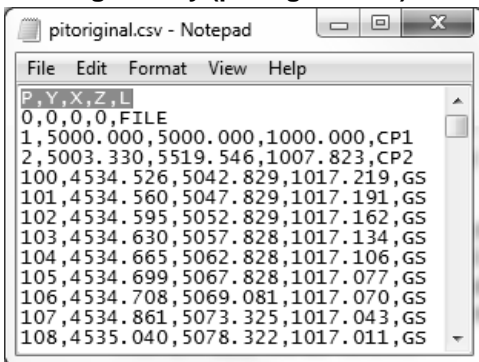


Step 2: Use **Windows File Explorer** to locate the *pitoriginal.csv* file then **Right** click the file and select **Open with > Notepad**. Also locate the *pitfinal.csv* file then **Right** click it and select **Open with > Notepad**. The two survey files are displayed in separate Notepad windows (see below).

The error message in Step 1 was caused by the **P,Y,X,Z, L** header record in the starting survey file (the **PNT,NORTH, EAST,ELEV,LBL** header record in the final survey file will cause the same error when that file is imported in AGTEK)—the header records do confirm that the actual survey records are compatible but we need to remove the headers from both files. The **0,0,0,0,FILE** record in the starting survey file is not a survey point record but it won't cause an error (it can be deleted in Notepad or in AGTEK). The last thing to note is that the two surveys did not use the same horizontal and vertical reference (compare the records labeled **CP1** in both files)—this can be dealt with in AGTEK.

Step 3: In each Notepad window, drag select the header record, press **Delete** twice (the second deletion removes the empty record) then select **File > Save As** from the menu and add **EDIT** to the save as name (i.e., *pitoriginalEDIT.csv* and *pitfinalEDIT.csv*). Close the Notepad windows when done with these edits.

Starting Survey (pitoriginal.csv):



Final Survey (pitfinal.csv):

