

## Program Overview Typical Data Entry Sequence

After the initial steps of setting up a new job file and scaling the plan sheet, data entry can be performed in any preferred sequence, but the following sequence works well for modeling and quantifying site earthwork (we use this sequence in the *Day 1 Earthwork Modeling Step-by-Step* exercise starting on page 54) . . .

- ◆ Start the AGTEK earthwork program by double-clicking the corresponding desktop shortcut:



- ◆ If digitizing from a raster PDF plan sheet, create job file, import PDF plan sheet then set/check/correct plan scale (pages 56-63). [See page 309 if digitizing from a paper plan sheet.]
- ◆ Translate arbitrary job file coordinates to match designer's coordinates (page 64).
- ◆ [AGTEK 4D only] Geo-reference PDF plan sheet with Google Earth (pages 69-76).
- ◆ Enter Existing Perimeter (pages 78-79).
- ◆ Enter Existing Data Lines (pages 80-86).
- ◆ Error-check/edit Existing Data Lines and Existing Surface (pages 87-113).
- ◆ Design Data Line entries (pages 124-133), initial error-check/edits (pages 134-136) and Design Data Line Offsets (pages 137-151).
- ◆ Enter Design Perimeter (pages 162-163).
- ◆ Final error-check/edits of Design Data Lines and Design Surface (pages 164-170).
- ◆ Enter, error-check/edit Stripping Areas (pages 172-177).
- ◆ Enter, error-check/edit Report Regions and Sectional Areas (pages 178-199).
- ◆ Enter Strata Bore Hole data (see *Day 3 Handbook*).
- ◆ Graphical surface comparisons with profile views (pages 203-208) and cut-fill maps (pages 209-213).
- ◆ Calculate cut/fill volumes (pages 223-226) and evaluate the volume report (pages 227-230).
- ◆ Format and print volume report and supporting graphical documentation (*Appendix E*, pages 293-301).
- ◆ [AGTEK 4D only] Export job file data to KMZ for Google Earth (*Appendix E*, pages 305-307).