

Day 1 Seminar Class Outline

Note: Although Earthwork Software Services **no longer conducts** the Day 1 AGTEK seminar, the Day 1 handbook is **the textbook** that the Day 1 seminar class was taught from and the latest updated edition of the Day 1 textbook can be ordered at www.earthworksoftwareservices.com/hbk-replace-order.aspx.

(Morning Class Session)

- 8:00 Sign-In and Seating
- 8:30 (Class Begins) Brief Seminar and Documentation Overview
- 8:40 Earthwork Modeling Step-by-Step
- New Job File Setup
 - Import and Scale First PDF* Plan Sheet
 - Verify and Correct PDF Plan Scale
 - Translate Job File to Designer's Coordinates
 - Geo-Reference Job File with Google Earth
 - Enter Existing Perimeter
 - Enter Existing Data Lines
 - Contours, Spot Elevations, Sloping Lines
- 10:00 Morning Break
- 10:15 Earthwork Modeling Step-by-Step (Cont.)
- Error-Check and Correct Existing Data Lines
 - 2D/3D Views, Trimesh, Water Flow, Generated Contours
 - Enter Corrective Existing Break Lines
 - Import and Align Second PDF Plan Sheet
 - Enter Design Data Lines
 - Buildings, Landscape, Pond, Street
- 12:00 Lunch Break (Lunch Provided by Earthwork Software Services)

* Requires AGTEK PDF Utility (included with AGTEK 4D and GradeModel 3D, but an add-on module purchase for Earthwork 3D and SiteModel 3D).

Day 1 Seminar Class Outline (Cont.)

(Afternoon Class Session)

- 1:00 Earthwork Modeling Step-by-Step (Cont.)
- Offset Design Data Lines (Buildings, Pond, Street)
 - Enter Design Perimeter
 - Error-Check and Correct Design Data Lines
 - 2D/3D Views, Trimesh, Water Flow, Generated Contours
 - Enter Corrective Design Break Lines
 - Enter and Verify Stripping Areas
- 2:30 Afternoon Break
- 2:45 Earthwork Modeling Step-by-Step (Cont.)
- Enter and Verify Report Regions and Sectional Areas
 - Generate Profile Views
 - Generate Cut-Fill Maps
 - Calculate Cut/Fill Volumes
 - Interpret Volume Report
 - Cut/Fill, Stripping, Sectional Quantities
 - Shrink/Swell on Volume Report
 - Net Import/Export Volumes
- 5:00~5:30 Class Adjourns