

## Earthwork 3D Basic Training

### Earthwork 3D Basics

Instructions: Click Link to download sample files. Click link to watch corresponding video and work along with video.

#### • General Information

Sample PDF File: *Pine Street Raster Example.pdf*

#### • Starting a New Job

**Video**

Scaling  
Entering Existing ground  
Entering job limits (Existing Perimeter)  
Contour Entry  
Spot elevations, ridges and swales  
Saving  
3D visual inspection

#### • Enter Stripping

**Video**

Varying stripping depths  
Holes  
Reports

#### • Entering Design

**Video**

Sample file: *Pine Street Stripping.esw*  
Pads  
Lines with varying elevations(top of curb)  
Offset lines  
Design contours  
Retaining walls  
Checking with 3D views

#### • Finishing the Design

**Video**

Entering grading limits (Design Perimeter)  
Perimeter holes  
Report Regions  
Sections  
3D views  
Volumes report

#### • Printing

**Video**

Complete sample file: *Pine Street Complete.esw*  
3D Views  
Print Page  
Volumes Report  
PlanView  
Profile Views  
Text entry

### Applications

#### • Vector PDF files

**Video**

Sample file: *Vector PDF 1.pdf*  
Scale  
Vectorize  
Transfer data

#### • Aligning Raster PDF files

**Video**

Matchlines

#### • Aligning Multiple Vector PDF Files

**Video**

Sample files:  
*Vector PDF 1.esw* *Vector PDF 1.pdf*  
*Vector PDF 2.pdf*

#### • Fixing Bad PDF Scale

**Video**

#### • Strata Entry

**Video**

Entering strata layers  
Entering bore holes  
3D view and PlanView  
Strata volume

### Modeling

#### • Snap Options

**Video**

#### • Entering Data from a CAD File

**Video**

Sample file: *Pine Street.dwg*  
CAD Transfer Window  
Transferring CAD layers  
Snap Options

#### • Using Crop Rectangle

**Video**

#### • CAD File Cleanup

**Video**

Sample file: *Earthwork 3D File Cleanup.esw*  
Join  
Compress  
Trim Lines

#### • Using Find Elevation

**Video**

#### • Label Select with Wildcards

**Video**

Sample file: *Label Selection.esw*