

## Some Handbook Acronyms and Terminology

### AGTEK Site Earthwork Software Product References:

**AGTEK** inclusively refers to the old **AGTEK 3D** and current **AGTEK 4D** products defined below.

**AGTEK 3D** inclusively refers to AGTEK's discontinued/unsupported *Earthwork 3D* products (*Earthwork 3D*, *SiteModel 3D/Sitework LT*, *SitePlan 3D*, *SiteModel-Highway* and *GradeModel 3D*).

**AGTEK 4D** inclusively refers to AGTEK's current *Earthwork 4D (Sitework 4D)* and *Gradework 4D* products.

### Elevation/Grade References:

**Existing** refers to a project's starting elevations as represented on the existing conditions plan (existing grade is typically modeled on AGTEK's *Existing Surface*).

**Stripped** refers to existing grade *after* subtracting the thickness of specified removals for surface topsoil and/or existing pavements/structures (stripped existing grade is typically modeled on AGTEK's *Stripped Surface* via *Stripping Areas*).

**Finish Grade** refers to final design elevations *after* completion of all specified site work construction, including pavements and topsoil respreads, as represented on the project's grading plans (finish design grade is typically modeled on AGTEK's *Design Surface*).

**Subgrade** refers to "bare dirt" design grade *after* subtracting the thickness of specified overlying pavements and topsoil respreads (design subgrade is typically modeled on AGTEK's *Subgrade Surface* via *Sectional Areas*).

[AGTEK's short video at [www.agtek.com/video.html?id=661](http://www.agtek.com/video.html?id=661) provides a good beginner's orientation to the above grade and surface references.]

### Volume Measures:

**CY** *Cubic Yards* (generic cubic yards with no reference to the volume's measured density).

**BCY** *Bank Cubic Yards* (cubic yards measured at undisturbed existing density).

**LCY** *Loose Cubic Yards* a/k/a *Truck Yards* or *Haul Yards* (cubic yards measured at disturbed density, typically a truck/scrapper or stockpile measure).

**CCY** *Compacted Cubic Yards* (cubic yards measured at final specified design density).

[Various handbook examples reconcile **BCY** and **CCY** volumes on AGTEK's volume reports by using either Report Region/Balance Region **Fill Factors** or Strata Layers **Cut Factors**. The handbook's sample factors are selected only to illustrate their impact on volume report interpretation and AGTEK users should understand that appropriate factors will vary from site to site (based on characteristics of the specific site's excavated materials).]