

Appendix D

Catalog of Day 1 Handbook Web Resources

The following links list catalogs the supplemental web resources mentioned in each chapter of this *Day 1 Handbook* (with corresponding handbook page references provided). **[Tip: Save some typing and use the clickable links in the PDF copy of this Appendix (see “WebLinksD1.pdf” in Appendix C).]**

Note 1: Viewing many of the AGTEK resources linked below will require logging in with an AGTEK Support ID and Password (have them handy). **Note 2:** The AGTEK video links below were working when this catalog was last revised (January 20, 2025) but AGTEK occasionally changes/deletes links to older videos. If a video link returns a “404.0 – Not Found” error (or a non-responsive screen), AGTEK has likely renumbered, renamed or deleted the corresponding video (also see **AGTEK’s Videos FAQ** at <https://bit.ly/3MIDQGn>). **Note 3:** At some time after mid-2025, all resource links with a www.earthworksoftwareservices.com URL may require access via the **web archive site** at <https://web.archive.org/web/https://www.earthworksoftwareservices.com/>.

Title Page & Notices

www.earthworksoftwareservices.com/hbk-replace-order.aspx

Web Page: Order form for revised and expanded 2024 post-seminars AGTEK training handbooks (pages 1, 2, 249).

Author’s Note

www.agtek.com/video.html?id=583 [Gradework 4D]

AGTEK Video: Overview of new features in Gradework 4D v1.10 (pages 2, 139).

www.agtek.com/video.html?id=654 [Gradework 4D]

AGTEK Video: Overview of new features in Gradework 4D v1.11 (page 2).

www.earthworksoftwareservices.com/hbk-replace-order.aspx

Web Page: Order form for revised and expanded 2024 post-seminars AGTEK training handbooks (pages 1, 2, 249).

<https://bit.ly/4cZOHuE>

Web Page: Overview of the three-day AGTEK earthwork software seminar course and resource links (page 2).

Some Handbook Acronyms and Terminology

www.agtek.com/video.html?id=661

AGTEK Video: Beginner’s orientation to grade and surface references (page 3).

Program Overview

www.earthworksoftwareservices.com/resourceed.htm

Web Page: Extensive list of earthwork construction learning resource links (page 23).

agtek.my.site.com/community/s/support-hardware-requirements

Web Page: Hardware guidelines for AGTEK software (pages 24, 31).

agtek.my.site.com/community/s/support-it

Web Page: AGTEK’s IT specifications & requirements, including registry administrator permission, port 34015 access and hardware recommendations for AGTEK’s Gradework and REVEAL products (pages 24, 25).

www.agtek.com/video.html?id=190

AGTEK Video: Older AGTEK software-installation video referencing USB and Internet Keys (page 24).

www.agtek.com/video.html?id=371

AGTEK Video: Internet Key administration, adding a new user (page 24).

www.agtek.com/video.html?id=372

AGTEK Video: Internet Key administration, resetting a user password (page 24).

www.agtek.com/video.html?id=557

AGTEK Video: Comprehensive coverage of all methods for setting/resetting a user password (page 24).

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Program Overview (Cont.)

www.agtek.com/video.html?id=558

AGTEK Video: Newer video covering adding a new user (page 24).

www.agtek.com/video.html?id=527

AGTEK Video: Internet Key administration, changing automatic check-in time (pages 24, 25).

<https://agtek.s3.amazonaws.com/Agtek/n4gNNTe6WDNm>

PDF: Sitework 4D user manual link (pages 25, 34).

<https://agtek.s3.amazonaws.com/Agtek/mp5vdrBgNMug>

PDF: Gradework 4D user manual link (page 25).

www.agtek.com/video.html?id=36

AGTEK Video: Earthwork 4D software installation and use of Internet Key (page 25).

www.agtek.com/video.html?id=559

AGTEK Video: Gradework 4D software installation (pages 25, 250).

www.agtek.com/video.html?id=37

AGTEK Video: Internet Key user administration (page 25).

www.agtek.com/video.html?id=561

AGTEK Video: AGTEK Access web-based User/File Manager (pages 25, 248).

<https://bit.ly/3oepH5f>

Web Page: AGTEK FAQ on read/write permission for AGTEK registry folders/subfolders, AGTEK Support login required (page 25).

agtek.my.site.com/community/s/support-it

Web Page: AGTEK's IT specifications & requirements, including registry administrator permission, port 34015 access and hardware recommendations for AGTEK's Gradework and REVEAL products (pages 24, 25).

<https://bit.ly/3WqV2Os>

Web Page: AGTEK FAQ on graphics performance setting, AGTEK Support login required (page 26).

<https://agtek.s3.amazonaws.com/Agtek/j5bXEJ9Cv1Ei>

File Download: Download *AccessCheck.exe* diagnostic tool to test connectivity (page 26).

agtek.my.site.com/community/s/support-hardware-requirements

Web Page: Hardware guidelines for AGTEK software (pages 24, 31).

www.agtek.com/video.html?id=330

AGTEK Video: Overview of differences between Earthwork 3D and Earthwork 4D products (page 31).

www.agtek.com/video.html?id=655

AGTEK Video: Overview of differences between Earthwork 4D and Gradework 4D products (page 31).

<https://agtek.s3.amazonaws.com/Agtek/n4gNNTe6WDNm>

PDF: Sitework 4D user manual link (pages 25, 34).

www.earthworksoftwareservices.com/resourcesw.htm#gtco

Web Page: GTCO digitizing tablet resource links (pages 34, 252).

www.earthworksoftwareservices.com/downloads/disable.pdf [Earthwork 3D]

PDF: Instructions for disabling/enabling GTCO TabletWorks driver (page 34).

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Program Overview (Cont.)

www.agtek.com/video.html?id=523

AGTEK Video: Overview of the ease in working with vector PDF data (page 36).

<https://youtu.be/l6YqXtBXIEE>

YouTube Video: Combine match-line PDF plan sheets with Bluebeam's Snapshot tool (page 37).

www.takeofftips.blogspot.com/2010/07/photoshop-matchline-tutorial-for.html

Web Page: Combine match-line PDF plan sheets in Adobe® Photoshop® Elements (page 37).

www.agtek.com/video.html?id=348

AGTEK Video: Assign an identifying Point Label “tag” to a new point inserted on a PDF border reference (page 38).

www.agtek.com/video.html?id=604 [Gradework 4D]

AGTEK Video: Edit PDF border reference label with Image Selection utility (pages 38, 122).

www.agtek.com/video.html?id=163

AGTEK Video: Organize Google Earth PDF folders (pages 38, 307).

www.agtek.com/video.html?id=95 [Earthwork 4D]

AGTEK Video: Alternate alignment sequence for multiple PDF plan sheets (page 39).

www.agtek.com/video.html?id=442 [Gradework 4D]

AGTEK Video: Alternate alignment sequence for multiple PDF plan sheets (page 39).

www.agtek.com/video.html?id=640 [Gradework 4D]

AGTEK Video: Alternate alignment sequence for multiple PDF plan sheets at different scales (page 39).

www.agtek.com/video.html?id=203 [Earthwork 4D]

AGTEK Video: Import and align multiple PDF plan sheets using overview PDF plan sheet (pages 39, 320).

www.agtek.com/video.html?id=468 [Gradework 4D]

AGTEK Video: Import and align multiple PDF plan sheets using overview PDF plan sheet (page 39).

www.agtek.com/video.html?id=204 [Earthwork 4D]

AGTEK Video: Import and align multiple PDF plan sheets using match lines (page 39).

www.agtek.com/video.html?id=470 [Gradework 4D]

AGTEK Video: Import and align multiple PDF plan sheets using overview PDF plan sheet (page 39).

www.agtek.com/video.html?id=148

AGTEK Video: Import and align two overlapping PDF plan sheets using street centerline points (page 39).

www.agtek.com/video.html?id=161

AGTEK Video: Import, scale and geo-reference overview PDF plan sheet (page 39).

www.agtek.com/video.html?id=162

AGTEK Video: Import and align multiple detail PDF plan sheets (page 39).

www.agtek.com/video.html?id=596

AGTEK Video: Import and align multiple PDF plan-profile sheets using a centerline point on match line and a spot elevation point as the alignment reference points (page 39).

www.agtek.com/video.html?id=273 [Gradework 4D]

AGTEK Video: Clearing Image Cache for high-resolution drone image update (page 41).

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Program Overview (Cont.)

<https://bit.ly/4bai6H3>

Web Page: AGTEK's Auto Save FAQ page (page 42).

<https://bit.ly/3xEvt4y>

Web Page: AGTEK's BAK File FAQ page (page 42).

<https://bit.ly/3YM9u6U>

Web Page: AGTEK's Auto Save and BAK File FAQ page (page 42).

www.agtek.com/video.html?id=441

AGTEK Video: Earthwork 4D and Gradework 4D file compatibility (page 42).

www.agtek.com/video.html?id=645

AGTEK Video: Introduction to the earthwork program's modes, surfaces, layers, user interface and functions (page 44).

www.agtek.com/video.html?id=444

AGTEK Video: Another introduction to the earthwork program's modes, surfaces, layers, user interface and functions (page 44).

www.agtek.com/video.html?id=160

AGTEK Video: Enter pipe invert elevations from plan-view, model trench with Apply Template (page 46).

Earthwork Modeling Step-by-Step

www.agtek.com/video.html?id=534 [Gradework 4D]

AGTEK Video: Enter pipe invert elevations from profile (pages 46, 159, 324).

www.agtek.com/video.html?id=472

AGTEK Video: AGTEK 4D's Documentation layer (pages 46, 77).

www.earthworksoftwareservices.com/resourcefiles.htm

Web Page: Download seminar sample grading plan and data files (pages 54, 275).

www.agtek.com/video.html?id=407

AGTEK Video: Overview of creating new job file and importing/scaling a raster PDF plan sheet to prepare for digitizing (page 57).

www.agtek.com/video.html?id=127

AGTEK Video: Includes overview of PDF shortcuts in AGTEK 4D when working with multiple PDF sheets (pages 57, 117).

www.agtek.com/video.html?id=420

AGTEK Video: Translate job file in arbitrary coordinates to match coordinates of provided CAD data (page 64).

www.agtek.com/video.html?id=657 [Gradework 4D]

AGTEK Video: Translate job file in arbitrary coordinates to match coordinates of provided CAD data (page 64).

www.earthworksoftwareservices.com/resourcesa.htm#GEPro

Web Page: Free Google Earth Pro information and download link (page 69).

www.agtek.com/video.html?id=388

AGTEK Video: Good overview of geo-referencing and KMZ export (pages 69, 71).

<https://bit.ly/3qidoG8>

Web Page: List of Google Earth keyboard shortcuts (page 70).

www.agtek.com/video.html?id=236

AGTEK Video: (@ 4:50 min) Save Google Earth JPG image for import as AGTEK background image (pages 71, 293, 298).

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Earthwork Modeling Step-by-Step (Cont.)

www.agtek.com/video.html?id=18

AGTEK Video: (@ 0:58 min) Placemark method for Google Earth alignment (page 71).

www.agtek.com/video.html?id=388

AGTEK Video: Ruler Tool method for Google Earth alignment (pages 69, 71).

<https://bit.ly/3MnIDap>

PDF: Google Earth User Guide (pages 76, 307).

www.agtek.com/video.html?id=472

AGTEK Video: AGTEK 4D's Documentation layer (pages 46, 77).

www.agtek.com/video.html?id=439

AGTEK Video: Entry-mode Snap options and settings (page 80).

www.agtek.com/video.html?id=84

AGTEK Video: Beginner's basic overview of plan reading (page 80).

www.agtek.com/video.html?id=426

AGTEK Video: An introduction to a number of handy data-editing keyboard shortcuts (page 88).

www.agtek.com/video.html?id=486

AGTEK Video: Selecting bad vertical point on 3D view (page 92).

www.agtek.com/video.html?id=462

AGTEK Video: Using the Find Elevation function (page 93).

<https://youtu.be/v4p8x5yGJhw>

YouTube Video: Good demonstration of controlling AGTEK's 3D view using keyboard shortcuts (pages 93, 367).

www.earthworksoftwareservices.com/downloads/whitepaper.pdf

PDF: Handbook author's white paper, "Digital Surface Modeling and Volumetric Analysis Techniques Applied to the Measurement of Plan-View Earthwork Quantities" (pages 96, 226, 403). *[Note: This PDF link may break sometime after mid-2025 but the document link is active on the web archive site referenced in Note 3 on page 279.]*

www.agtek.com/video.html?id=522

AGTEK Video: Using Water Flow utility to error-check a surface (pages 98, 166).

www.agtek.com/video.html?id=408

AGTEK Video: Includes entry of Existing perimeter, Existing Data Lines and Stripping Area from raster PDF plan (page 113).

www.agtek.com/video.html?id=138

AGTEK Video: (@ 2:32 min) Selected points alignment example (page 115).

www.agtek.com/video.html?id=127

AGTEK Video: Includes overview of PDF shortcuts in AGTEK 4D when working with multiple PDF sheets (pages 57, 117).

www.agtek.com/video.html?id=604 **[Gradework 4D]**

AGTEK Video: Edit PDF border reference label with Image Selection utility (pages 38, 122).

www.agtek.com/video.html?id=504

AGTEK Video: Tips on modeling retaining walls (page 128).

<https://bit.ly/3YPORES>

AGTEK Video: Other tips for entering curb line work as a reference for Offsets or Templates (page 133).

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Earthwork Modeling Step-by-Step (Cont.)

www.agtek.com/video.html?id=123

AGTEK Video: (@ 3:30 min) Other Continue function options (page 133).

www.agtek.com/video.html?id=409

AGTEK Video: Includes entry and editing of Design Data Lines with raster PDF plan (page 135).

www.agtek.com/video.html?id=583 [Gradework 4D]

AGTEK Video: (@ 1:42 min) New Round Corners Offset/Template option in Gradework 4D v1.10 (pages 2, 139).

www.agtek.com/video.html?id=145

AGTEK Video: Use Apply Template utility for street subgrade model (page 154).

www.agtek.com/video.html?id=368

AGTEK Video: Use Apply Template utility for street with curb and gutter (page 155).

www.agtek.com/video.html?id=143

AGTEK Video: Use Apply Template utility for street with side slopes, no curb and gutter (page 155).

www.agtek.com/video.html?id=374

AGTEK Video: Use Apply Template utility for street variable side ditches, no curb and gutter (page 155).

www.agtek.com/video.html?id=399

AGTEK Video: Use Apply Template utility for curb and gutter from TBC lines (page 155).

www.agtek.com/video.html?id=448

AGTEK Video: Use Apply Template utility for curb and gutter from EP lines (page 155).

<https://bit.ly/3WqD2oQ>

AGTEK Video: Status Bar Display drafting/entry examples (pages 159, 262, 263).

www.agtek.com/video.html?id=267

AGTEK Video: F12 Discreet Distance/Angle entry application example (pages 159, 263).

www.agtek.com/video.html?id=355

AGTEK Video: Another F12 Discreet Distance/Angle entry application example (pages 159, 263).

www.agtek.com/video.html?id=208

AGTEK Video: Single-sheet PDF profile digitizing example (pages 159, 324).

www.agtek.com/video.html?id=147

AGTEK Video: Two-sheet PDF profile digitizing example (pages 159, 324).

www.agtek.com/video.html?id=502

AGTEK Video: More details on multiple-sheet PDF profile digitizing (pages 159, 324).

www.agtek.com/video.html?id=232

AGTEK Video: Two-sheet PDF profile digitizing example with metric scale (pages 159, 324).

www.agtek.com/video.html?id=127

AGTEK Video: (@ 2:02 min) Some additional PDF profile digitizing features in AGTEK 4D (pages 159, 324).

www.agtek.com/video.html?id=534 [Gradework 4D]

AGTEK Video: Digitize pipe invert elevations from PDF profile (pages 46, 159, 324).

www.agtek.com/video.html?id=428

AGTEK Video: Editing Design Perimeter alignment with Continue/Backspace method (page 163).

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Earthwork Modeling Step-by-Step (Cont.)

<https://bit.ly/3DFOqU2>

AGTEK Video: Editing horizontal alignment of line work with Insert Point/Move Point/Remove Selected method (pages 163, 198).

<https://bit.ly/3vL9DeT>

Web Page: AGTEK FAQ page with troubleshooting tips for 3D view not displaying when Staged Design is enabled (pages 165, 170).

www.agtek.com/video.html?id=522

AGTEK Video: Using Water Flow utility to error-check a surface (pages 98, 166).

www.agtek.com/video.html?id=450

AGTEK Video: Review Graphics video includes a good overview of display options and settings in 3D View mode (pages 167, 177, 199, 222).

www.agtek.com/video.html?id=235

AGTEK Video: Surface adjustments with Stripping Areas and Sectional Areas (page 171).

www.agtek.com/video.html?id=261 [Gradework 4D]

AGTEK Video: (@ 5:25 min) Applying Gradework-Materials Structures as Stripping Areas example (page 171).

www.agtek.com/video.html?id=599 [Gradework 4D]

AGTEK Video: (@ 26:20 min) Applying Gradework-Materials Structures as Stripping Areas example (page 171).

www.agtek.com/video.html?id=536 [Gradework 4D]

AGTEK Video: Applying Gradework-Materials Structures as Sectional Areas and Report Regions (page 171).

www.agtek.com/video.html?id=317

AGTEK Video: Adjusting Highway alignment cross-section surfaces with Stripping Areas and Sectional Areas (page 171).

www.agtek.com/video.html?id=633

AGTEK Video: Adjusting Highway alignment cross-section surfaces with Stripping Areas and Sectional Areas (page 171).

<https://bit.ly/3yQbDnO> [Gradework 4D]

AGTEK Video: New dialog and reporting features for Report Regions, Sectional Areas and Stripping Areas (pages 172, 178, 227, 394, 400).

<https://bit.ly/41X9Jxy> [Gradework 4D]

AGTEK Video: New shortcuts for entry/edit of Report Regions, Sectional Areas and Stripping Areas (pages 172, 176, 178, 197, 198, 256, 262).

<https://bit.ly/3Plc660> [Gradework 4D]

AGTEK Video: New entry functions with Report Regions, Sectional Areas and Stripping Areas (pages 178, 262).

www.agtek.com/video.html?id=400

AGTEK Video: (@ 3:30 min) Basic example of a Report Region/Sectional Area entry at a parking lot with islands (page 186).

www.agtek.com/video.html?id=46

AGTEK Video: Using Sitework 4D entries as Structures in Materials 4D (page 190).

www.agtek.com/video.html?id=259 [Gradework 4D]

AGTEK Video: Using Gradework entries as Structures in Gradework-Materials (page 190).

<https://bit.ly/4bLY3QG> [Gradework 4D]

AGTEK Video: Deducting Holes in Gradework-Materials Structures (page 190).

www.agtek.com/video.html?id=435

AGTEK Video: Editing multiple Sectional Area Depths (page 197).

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Earthwork Modeling Step-by-Step (Cont.)

www.agtek.com/video.html?id=436

AGTEK Video: Editing multiple Report Region Fill Factors (page 198).

<https://bit.ly/3DFOqU2>

AGTEK Video: Editing horizontal alignment of line work with Insert Point/Move Point/Remove Selected method (pages 163, 198).

<https://bit.ly/47EqAp0>

AGTEK Video: What causes, and how to remove, an “Unspecified” line item on the Volume Report (pages 198, 223).

www.agtek.com/video.html?id=450

AGTEK Video: *Review Graphics* video includes a good overview of display options and settings in 3D View mode (pages 167, 177, 199, 222).

<https://youtu.be/aDkz8PpHIFs>

YouTube Video: Operator’s application of vertical/horizontal offsets in a GPS grade control box (page 200).

<https://youtu.be/KDuLlCLxavY>

YouTube Video: Generating profile views (pages 203, 307, 356).

www.agtek.com/video.html?id=430

AGTEK Video: Generating cross sections covering the entire site area (pages 208, 356).

www.agtek.com/video.html?id=217

AGTEK Video: Generate cross sections for mass analysis when highway project was modeled as a site-type project (page 208).

www.agtek.com/video.html?id=81

AGTEK Video: Multiple cross-section printing option in Highway 4D (page 208).

www.agtek.com/video.html?id=651

AGTEK Video: Grid-spacing options for Cut-Fill Map values (page 209).

www.agtek.com/video.html?id=602

AGTEK Video: On-Grade Limit utility (page 210).

www.agtek.com/video.html?id=432 [Gradework 4D]

AGTEK Video: (@ 2:00 min) Capture/display Cut-Fill Map colors as background image (page 218).

www.agtek.com/video.html?id=433 [Gradework 4D]

AGTEK Video: (@ 44:35 min) Capture/display Cut-Fill Map colors as background image (page 218).

www.agtek.com/video.html?id=591 [Gradework 4D]

AGTEK Video: Slope Colors and Slope Boundaries functions (page 220).

www.agtek.com/video.html?id=600 [Gradework 4D]

AGTEK Video: More Slope Colors and Slope Boundaries functions (page 220).

www.earthworksoftwareservices.com/resourcegps.htm#AGPS

Web Page: GPS resource page with links for autonomous GPS site inspections (page 222).

www.agtek.com/video.html?id=450

AGTEK Video: *Review Graphics* video includes a good overview of display options and settings in 3D View mode (pages 167, 177, 199, 222).

<https://youtu.be/EMQUlapKlsg>

YouTube Video: Another AGTEK video covering various 3D View mode display settings (page 222).

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Earthwork Modeling Step-by-Step (Cont.)

www.earthworksoftwareservices.com/resourcesw.htm#video

Web Page: Video screen capture utilities to record AGTEK drive-through simulations to AVI file (page 222).

<https://bit.ly/47EqAp0>

AGTEK Video: What causes, and how to remove, an "Unspecified" line item on the Volume Report (pages 198, 223).

www.earthworksoftwareservices.com/downloads/whitepaper.pdf

PDF: Handbook author's white paper, "Digital Surface Modeling and Volumetric Analysis Techniques Applied to the Measurement of Plan-View Earthwork Quantities" (pages 96, 226, 403). [Note: This PDF link may break sometime after mid-2025 but the document link is active on the web archive site referenced in Note 3 on page 279.]

<https://bit.ly/3yQbDnO> [Gradework 4D]

AGTEK Video: New dialog and reporting features for Report Regions, Sectional Areas and Stripping Areas (pages 172, 178, 227, 394, 400).

<https://bit.ly/41X9Jxy> [Gradework 4D]

AGTEK Video: New shortcuts for entry/edit of Report Regions, Sectional Areas and Stripping Areas (pages 172, 176, 178, 197, 198, 256, 262).

www.agtek.com/video.html?id=580

AGTEK Video: Overview of Trackwork 4D for haul planning (page 238).

https://flh.fhwa.dot.gov/resources/design/pddm/Geotechnical_TGM.pdf#4.6.2

PDF: Chapter 6, Section 4.6.2 of the USDOT FHWA's "Federal Lands Highway Project Development and Design Manual", which includes Church's material shrink/swell tables (page 239).

https://etd.auburn.edu/xmlui/bitstream/handle/10415/3532/Crooks,%20Alexandria_MS%20Thesis_Spring%202013.pdf

PDF: "Application of Shrinkage and Swelling Factors on State Highway Construction" [Master's thesis, Auburn Univ.] (page 240).

www.earthworksoftwareservices.com/downloads/Spahn.pdf

Web Page: "Veteran Lessons on Machine Control" article (page 240).

ftp://ftp.dot.state.oh.us/pub/Innovative_Delivery/Portsmouth/Final_RFP/Current_All_Ref_Info/GE-Geotechnical/GE-65_Phase_1_and_3_-_Technical_Memo_-_Earthwork_Factors.pdf

PDF: "Portsmouth Bypass Phase 1 Earthwork Factors" technical memo (page 240).

<https://pdhonline.com/courses/g106/g106.htm#!>

Web Page: "Understanding the Geotechnical Report as an Engineering and Construction Reference" (page 240).

www.scribd.com/document/352797986/White-Et-Al-2010-CAT-CFED-Phase-IV

PDF: "Earthwork Volumetric Calculations and Characterization of Additional CFED Soils - CFED Phase IV" (page 240).

www.agtek.com/video.html?id=440

AGTEK Video: (@ 46:30 min) Custom XLSX volume report in Gradework 4D (page 244).

www.agtek.com/video.html?id=531

AGTEK Video: (@ 13:12 min) Custom XLSX volume report in Gradework 4D (page 244).

www.agtek.com/video.html?id=656 [Gradework 4D]

AGTEK Video: (@ 10:00 min) New volume report format and XLSX export options in Gradework 4D v1.11 (page 244).

www.agtek.com/video.html?id=460

AGTEK Video: Using the Length/Area utility (page 245).

Appendix D Catalog of Day 1 Handbook Web Resources (Cont.)

Appendix A – How to Get Help, Training, and Program Updates

[agtek.com/services-support/](https://www.agtek.com/services-support/)

Web Page: AGTEK’s overview page for training and support options (page 247).

www.agtek.com/video.html?id=566

AGTEK Video: Webinar video including a segment covering features of the AGTEK Community support site (page 247).

www.agtek.com/help/sw/earthwork4dhelp.htm

Web Page: Earthwork 4D program help files (page 247).

www.agtek.com/help/gw/gradework4dhelp.htm

Web Page: Gradework 4D program help files (page 247).

www.youtube.com/c/AGTEKDirtSimpleSolutions/videos

Web Page: AGTEK’s public YouTube video channel with numerous Tech Tip video (pages 247, 249).

www.linkedin.com/groups/2015287/

Web Page: LinkedIn AGTEK Users Group (page 247).

agtek.my.site.com/community/s/training-self-paced

Web Page: AGTEK’s main video library page for all current products (pages 247, 249).

agtek.my.site.com/community/s/

Web Page: AGTEK Community home page with links to all support resources (pages 247, 250).

agtek.my.site.com/community/s/homepage-support

Web Page: AGTEK Community home page with links to all support resources (page 247).

support@agtek.com

Web Page: AGTEK support email link (page 248).

<https://bit.ly/3R8R0ly>

AGTEK Video: AGTEK 4D’s ESZ Save As function with multiple background image attachment option (page 248).

<https://sendit.hexagon.com/filedrop/support@agtek.com>

Web Page: AGTEK’s Send IT app for transferring large files to AGTEK Support, AGTEK Support login required (page 248).

www.agtek.com/video.html?id=561

AGTEK Video: (@ 2:49 min) AGTEK Access’ file-sharing utility (pages 25, 248).

www.earthworksoftwareservices.com/resourceed.htm#beginners

Web Page: Beginners’ earthwork construction learning resource page (page 249).

www.earthworksoftwareservices.com/hbk-replace-order.aspx

Web Page: Order form for revised and expanded 2024 post-seminars AGTEK training handbooks (pages 1, 2, 249).

agtek.my.site.com/community/s/homepage-training

Web Page: AGTEK’s training home page with links to all currently available training options (page 249).

agtek.com/services-support/web-training-classes/

Web Page: AGTEK web-based “hands-on” training info/signup page (page 249).

agtek.com/services-support/beginner-intermediate-training/

Web Page: AGTEK classroom “hands-on” training info/signup form (page 249).

agtek.com/services-support/intermediate-advanced-training/

Web Page: AGTEK classroom “hands-off” seminars info/signup form (page 249).

Appendix D Catalog of Day 1 Handbook Web Resources (Cont.)

Appendix A – How to Get Help, Training, and Program Updates (Cont.)

agtek.my.site.com/community/s/product-gradework?tabset-ec09d=ae123

Web Page: Three video-augmented AGTEK 4D basic training courses with corresponding data file downloads (page 249).

agtek.my.site.com/community/s/training-self-paced

Web Page: AGTEK's main video library page for all current products (pages 247, 249).

<https://agtek.s3.amazonaws.com/Agtek/Bsxz8VFfoGuP>

PDF: Well-organized AGTEK Training checklist with clickable links to training resources (videos, slideshows, documents) for all current AGTEK desktop and mobile products (page 249).

www.youtube.com/c/AGTEKDirtySimpleSolutions/videos

Web Page: AGTEK's public YouTube video channel with numerous Tech Tip videos (pages 247, 249).

www.agtek.com/video.html?id=559

AGTEK Video: Download and install AGTEK 4D program update (pages 25, 250).

agtek.my.site.com/community/s/

Web Page: AGTEK Community home page with links to all support resources (pages 247, 250).

agtek.my.site.com/community/s/support-downloads

Web Page: Downloads home page for AGTEK software installation files (page 250).

agtek.my.site.com/community/s/selfhelp-manuals

Web Page: Download page for AGTEK software and PDF user manuals (page 252).

www.earthworksoftwareservices.com/resourcesw.htm#gtco [Earthwork 3D]

Web Page: GTCO digitizing tablet resource links (pages 34, 252).

Appendix B – Keyboard Shortcuts Reference

www.agtek.com/help/gw/keyboard_shortcuts.htm

Web Page: AGTEK 4D keyboard shortcut help pages (page 253).

www.agtek.com/video.html?id=545

AGTEK Video: Using Fillet Line utility (Ctrl-F) for line work clean up (pages 256, 376).

www.agtek.com/video.html?id=280

AGTEK Video: Using Join (Ctrl-J) for line work cleanup (page 256).

www.agtek.com/video.html?id=607

AGTEK Video: More Join (Ctrl-J) examples for line work cleanup (page 256).

<https://bit.ly/41X9Jxy> [Gradework 4D]

AGTEK Video: New shortcuts for entry/edit of Report Regions, Sectional Areas and Stripping Areas (pages 172, 176, 178, 197, 198, 256, 262).

<https://youtu.be/xRzd60zssxs>

YouTube Video: AGTEK's F7 Move Selected Point applications (pages 257, 386).

www.agtek.com/video.html?id=592 [Gradework 4D]

AGTEK Video: F11 Shrink-Wrap utility (pages 257, 365).

<https://bit.ly/3Plc660> [Gradework 4D]

AGTEK Video: New entry functions with Report Regions, Sectional Areas and Stripping Areas (pages 178, 262).

Appendix D Catalog of Day 1 Handbook Web Resources (Cont.)

Appendix B – Keyboard Shortcuts Reference (Cont.)

<https://bit.ly/3WqD2oQ>

AGTEK Video: Status Bar Display drafting/entry examples (pages 159, 262, 263).

www.agtek.com/video.html?id=267

AGTEK Video: F12 Discreet Distance/Angle entry application example (pages 159, 263).

www.agtek.com/video.html?id=355

AGTEK Video: Another F12 Discreet Distance/Angle entry application example (pages 159, 263).

Appendix C – Download and Use Day 1 Seminar Training Files

www.earthworksoftwareservices.com/resourcefiles.htm

Web Page: Download Day 1 seminar training files from main website (pages 54, 275).

<https://web.archive.org/web/https://www.earthworksoftwareservices.com/resourcefiles.htm>

Web Page: Download Day 1 seminar training files from alternate web archive site (pages 275, 279).

Appendix E – Format and Print Documentation

www.agtek.com/video.html?id=387

AGTEK Video: Comprehensive Print Page functions overview (page 293).

www.agtek.com/video.html?id=236

AGTEK Video: Older comprehensive Print Page functions overview with some interesting additional details (pages 71, 293, 298).

<https://bit.ly/3R8R0ly>

AGTEK Video: Printing AGTEK job documents to a PDF File (pages 293, 304).

www.agtek.com/printers.html

Web Page: AGTEK's Printer Compatibility list (page 293).

<https://bit.ly/4bai6H3>

Web Page: AGTEK's Cut-Fill Labels won't display FAQ page (page 297).

www.agtek.com/video.html?id=236

AGTEK Video: (@ 4:50 min) Saving Google Earth JPG image and importing JPG to AGTEK Print Page (pages 71, 293, 298).

www.bullzip.com

Web Page: Free third-party print-to-PDF application (page 304).

www.biopdf.com

Web Page: Free third-party print-to-PDF application (page 304).

<https://bit.ly/3R8R0ly>

AGTEK Video: Printing AGTEK job documents to a PDF File (pages 293, 304).

www.earthworksoftwareservices.com/resourcesw.htm#vrmf

Web Page: Info and links on exporting surface to a VRML (Virtual Reality Markup Language) file (page 304).

<https://bit.ly/489uuet>

AGTEK Video: Adding 3D views to exported KMZ file in Google Earth, including use of *Print Screen* and *MS Paint* to capture and crop an AGTEK screen image (pages 306, 395).

<https://bit.ly/3MnIDap>

PDF: Google Earth User Guide (pages 76, 307).

Appendix D Catalog of Day 1 Handbook Web Resources (Cont.)

Appendix E – Format and Print Documentation (Cont.)

www.agtek.com/video.html?id=220

AGTEK Video: Manipulating exported AGTEK KMZ data in Google Earth (page 307).

www.agtek.com/video.html?id=174

AGTEK Video: Includes some additional manipulations of exported AGTEK KMZ data in Google Earth (page 307).

<https://youtu.be/KDuLlCLxavY&t=168>

YouTube Video: Good details on manipulating AGTEK KMZ profiles in Google Earth (pages 203, 307, 356).

<https://bit.ly/3yknt9b>

AGTEK Video: Combining multiple AGTEK KMZ files in Google Earth (page 307).

www.agtek.com/video.html?id=163

AGTEK Video: Organize Google Earth folders for multiple PDF plan sheets (pages 38, 307).

Appendix G – Digitizing from Multiple Paper Plan Sheets - AGTEK 3D

www.agtek.com/video.html?id=203

AGTEK Video: Import and align multiple PDF plan sheets using overview PDF plan sheet in AGTEK 4D (pages 39, 320).

Appendix H – Digitizing from Paper Profile Sheets - AGTEK 3D

www.agtek.com/video.html?id=208

AGTEK Video: Single-sheet PDF profile digitizing example in AGTEK 4D (pages 159, 324).

www.agtek.com/video.html?id=147

AGTEK Video: Two-sheet PDF profile digitizing example in AGTEK 4D (pages 159, 324).

www.agtek.com/video.html?id=502

AGTEK Video: More details on multiple-sheet PDF profile digitizing in AGTEK 4D (pages 159, 324).

www.agtek.com/video.html?id=232

AGTEK Video: Two-sheet PDF profile digitizing example with metric scale in AGTEK 4D (pages 159, 324).

www.agtek.com/video.html?id=127

AGTEK Video: (@ 2:02 min) Some additional PDF profile digitizing features in AGTEK 4D (pages 159, 324).

www.agtek.com/video.html?id=534 [Gradework 4D]

AGTEK Video: Digitize pipe invert elevations from PDF profile (pages 46, 159, 324).

Appendix J – Conceptual Modeling Exercise

www.earthworksoftwareservices.com/resourcesa.htm

Web Page: Links to analytic add-ons for Google Earth and other site analysis resources (page 345).

<https://youtu.be/KDuLlCLxavY>

YouTube Video: Generating profile views (pages 203, 307, 356).

www.agtek.com/video.html?id=430

AGTEK Video: Generating cross sections covering the entire site area (pages 208, 356).

<https://bit.ly/47bHbAA>

AGTEK Video: AGTEK 4D's Cut/Paste function (page 357).

www.agtek.com/video.html?id=431

AGTEK Video: Selecting and filtering data with the Label Selection utility (page 361).

Appendix D Catalog of Day 1 Handbook Web Resources (Cont.)

Appendix J – Conceptual Modeling Exercise (Cont.)

www.agtek.com/video.html?id=592 [Gradework 4D]

AGTEK Video: F11 Shrink-Wrap utility (pages 257, 365).

<https://youtu.be/v4p8x5yGJhw>

YouTube Video: Good demonstration of controlling AGTEK's 3D view using keyboard shortcuts (pages 93, 367).

www.agtek.com/video.html?id=463

AGTEK Video: Conform selected 2D line work to 3D line work or to surface model (page 370).

www.agtek.com/video.html?id=545

AGTEK Video: Line work clean up with Fillet Line utility (pages 256, 376).

<https://youtu.be/xRzd60zssxs>

YouTube Video: AGTEK's F7 Move Selected Point applications (pages 257, 386).

www.agtek.com/video.html?id=535

AGTEK Video: (@ ~17:29 min to ~37:00 min) some interesting preliminary site design and balancing manipulations (page 394).

<https://bit.ly/3yQbDnO> [Gradework 4D]

AGTEK Video: New dialog and reporting features for Report Regions, Sectional Areas and Stripping Areas (pages 172, 178, 227, 394, 400).

<https://bit.ly/489uuet>

AGTEK Video: Adding 3D views to exported KMZ file in Google Earth, including use of *Print Screen* and *MS Paint* to capture and crop an AGTEK screen image (pages 306, 395).

About the Author and Seminar Instructor

www.earthworksoftwareservices.com/downloads/whitepaper.pdf

PDF: Handbook author's white paper, "Digital Surface Modeling and Volumetric Analysis Techniques Applied to the Measurement of Plan-View Earthwork Quantities" (pages 96, 226, 403). [Note: This PDF link may break sometime after mid-2025 but the document link is active on the web archive site referenced in Note 3 on page 279.]