

## Appendix F

# Catalog of Day 2 Handbook Web Resources

The following links list catalogs the supplemental web resources mentioned in each chapter of this *Day 2 Handbook* (with corresponding handbook page references provided). **[Tip: Save some typing and use the clickable links in the PDF copy of this Appendix (see “WebLinksD2.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](http://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](http://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](http://www.agtek.com/video.html?id=583) [Gradework 4D]

**AGTEK Video:** Overview of new features in Gradework 4D v1.10 (page 2).

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

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

<https://bit.ly/3So5Ps6>

**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](http://www.agtek.com/video.html?id=661)

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

### Program and Vector Data Overview

[www.agtek.com/hardware.html](http://www.agtek.com/hardware.html)

**Web Page:** Hardware guidelines for AGTEK software (page 27).

[www.agtek.com/video.html?id=330](http://www.agtek.com/video.html?id=330)

**AGTEK Video:** Overview of differences between the Earthwork 3D and Earthwork 4D products (page 27).

[www.agtek.com/video.html?id=655](http://www.agtek.com/video.html?id=655)

**AGTEK Video:** Overview of differences between Earthwork 4D and Gradework 4D products (page 27).

[www.agtek.com/video.html?id=523](http://www.agtek.com/video.html?id=523)

**AGTEK Video:** Overview of the ease in working with vector PDF data (page 30).

<https://youtu.be/I6YqXtBXIEE>

**YouTube Video:** Combine match-line PDF plan sheets with Bluebeam’s Snapshot tool (page 31).

[www.takeofftips.blogspot.com/2010/07/photoshop-matchline-tutorial-for.html](http://www.takeofftips.blogspot.com/2010/07/photoshop-matchline-tutorial-for.html)

**Web Page:** Combine match-line PDF plan sheets in Adobe® Photoshop® Elements (page 31).

[www.agtek.com/video.html?id=348](http://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 32).

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#### Program and Vector Data Overview (Cont.)

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

**AGTEK Video:** Edit PDF border reference label with Image Selection utility (pages 32, 77).

[www.agtek.com/video.html?id=163](http://www.agtek.com/video.html?id=163)

**AGTEK Video:** Organize Google Earth PDF folders (pages 32, 293).

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

**AGTEK Video:** Alternate alignment sequence for multiple PDF plan sheets (page 33).

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

**AGTEK Video:** Alternate alignment sequence for multiple PDF plan sheets (page 33).

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

**AGTEK Video:** Alternate alignment sequence for multiple PDF plan sheets at different scales (page 33).

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

**AGTEK Video:** Import and align multiple PDF plan sheets using overview PDF plan sheet (page 33).

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

**AGTEK Video:** Import and align multiple PDF plan sheets using overview PDF plan sheet (page 33).

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

**AGTEK Video:** Import and align multiple PDF plan sheets using match lines (page 33).

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

**AGTEK Video:** Import and align multiple PDF plan sheets using overview PDF plan sheet (page 33).

[www.agtek.com/video.html?id=18](http://www.agtek.com/video.html?id=18)

**AGTEK Video:** Import and align two overlapping PDF plan sheets using street centerline points (pages 33, 351).

[www.agtek.com/video.html?id=161](http://www.agtek.com/video.html?id=161)

**AGTEK Video:** Import, scale and geo-reference overview PDF plan sheet (page 33).

[www.agtek.com/video.html?id=162](http://www.agtek.com/video.html?id=162)

**AGTEK Video:** Import and align multiple detail PDF plan sheets (page 33).

[www.agtek.com/video.html?id=596](http://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 33).

[www.agtek.com/video.html?id=148](http://www.agtek.com/video.html?id=148)

**AGTEK Video:** Import and align two overlapping PDF plan sheets (pages 33, 73).

[www.agtek.com/video.html?id=149](http://www.agtek.com/video.html?id=149)

**AGTEK Video:** Trim and Remove Lines Inside method to eliminate duplicate PDF line work (pages 33, 73).

[www.agtek.com/video.html?id=424](http://www.agtek.com/video.html?id=424)

**AGTEK Video:** Trim and Remove Lines Inside method to eliminate duplicate PDF line work (pages 33, 73).

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

**AGTEK Video:** Clearing Image Cache in Gradework 4D for higher-resolution drone background image update (page 35).

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

**Web Page:** AGTEK's Auto Save FAQ page (page 36).

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

**Web Page:** AGTEK's BAK File FAQ page (page 36).

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

**Web Page:** AGTEK's Auto Save and BAK File FAQ page (page 36).

[www.agtek.com/video.html?id=441](http://www.agtek.com/video.html?id=441)

**AGTEK Video:** Earthwork 4D and Gradework 4D file compatibility (page 36).

[www.earthworksoftwareservices.com/resourcesw.htm#Free\\_CAD\\_Utilities](http://www.earthworksoftwareservices.com/resourcesw.htm#Free_CAD_Utilities)

**Web Page:** Resource links to free and low-cost CAD programs, file viewers and file-conversion utilities (pages 45, 305).

### Modeling with Vector Data Step-by-Step

[www.earthworksoftwareservices.com/resourcefiles.htm](http://www.earthworksoftwareservices.com/resourcefiles.htm)

**Web Page:** Download seminar sample grading plan and data files (pages 52, 275).

[www.agtek.com/video.html?id=127](http://www.agtek.com/video.html?id=127)

**AGTEK Video:** Includes overview of new PDF shortcuts in AGTEK 4D when working with multiple PDF sheets (page 55).

[www.agtek.com/video.html?id=380](http://www.agtek.com/video.html?id=380)

**AGTEK Video:** Import, scale, extract and transfer existing and design line work from a single vector PDF plan sheet (pages 55, 56).

[www.agtek.com/video.html?id=429](http://www.agtek.com/video.html?id=429)

**AGTEK Video:** Setting, checking and correcting PDF plan scale in AGTEK 4D (page 58).

[www.agtek.com/video.html?id=420](http://www.agtek.com/video.html?id=420)

**AGTEK Video:** Translate job file in arbitrary coordinates to match coordinates of provided CAD data (pages 63, 332).

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

**AGTEK Video:** Translate job file in arbitrary coordinates to match coordinates of provided CAD data (pages 63, 337).

[www.agtek.com/video.html?id=138](http://www.agtek.com/video.html?id=138)

**AGTEK Video:** (@ 2:32 min) Selected points alignment example (page 64).

[www.agtek.com/video.html?id=148](http://www.agtek.com/video.html?id=148)

**AGTEK Video:** Import and align two overlapping PDF plan sheets (pages 33, 73).

[www.agtek.com/video.html?id=149](http://www.agtek.com/video.html?id=149)

**AGTEK Video:** Trim and Remove Lines Inside method to eliminate duplicate PDF line work (pages 33, 73).

[www.agtek.com/video.html?id=424](http://www.agtek.com/video.html?id=424)

**AGTEK Video:** Trim and Remove Lines Inside method to eliminate duplicate PDF line work (pages 33, 73).

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

**AGTEK Video:** Edit PDF border reference label with Image Selection utility (pages 32, 77).

<https://bit.ly/491x2r9>

**Web Page:** AGTEK FAQ page with some basic notes on troubleshooting DWG/DXF CAD file issues (page 81).

[www.agtek.com/video.html?id=469](http://www.agtek.com/video.html?id=469)

**AGTEK Video:** Map Projection Settings dialog for SPC geo-referencing method (pages 83, 136).

[www.agtek.com/video.html?id=325](http://www.agtek.com/video.html?id=325)

**AGTEK Video:** Two-point translation to align takeoff job file with drone topo's State Plane coordinates (pages 83, 331).

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### Modeling with Vector Data Step-by-Step (Cont.)

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

**AGTEK Video:** Using Crop Rectangle to correct a job file's zero internal north/east offsets (page 85).

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

**Web Page:** AGTEK's Millimeters CAD File Units FAQ page (page 89).

<https://youtu.be/iwCAAsRvNW4>

**YouTube Video:** An explanation of Grid vs. Ground measurements (page 89).

[www.agtek.com/video.html?id=537](http://www.agtek.com/video.html?id=537)

**AGTEK Video:** Combining generated contours with CAD TIN surface (page 93).

[www.agtek.com/video.html?id=230](http://www.agtek.com/video.html?id=230)

**AGTEK Video:** Import and transfer a CAD TIN layer (page 93).

[www.agtek.com/video.html?id=326](http://www.agtek.com/video.html?id=326)

**AGTEK Video:** Conform EP Annotation line to imported CAD TIN, also includes brief example of *Send to Highway* utility (pages 93, 193, 303).

[www.agtek.com/video.html?id=506](http://www.agtek.com/video.html?id=506)

**AGTEK Video:** (@ 8:30 min to 13:10 min) Conform Annotation lines to CAD TIN, delete CAD TIN then combine CAD contours and conformed break lines (pages 93, 109).

[www.agtek.com/video.html?id=631](http://www.agtek.com/video.html?id=631)

**AGTEK Video:** Additional LandXML import techniques (page 94).

[www.agtek.com/video.html?id=73](http://www.agtek.com/video.html?id=73)

**AGTEK Video:** Additional LandXML import techniques (page 94).

[www.agtek.com/video.html?id=395](http://www.agtek.com/video.html?id=395)

**AGTEK Video:** Good overview of options and techniques for importing and transferring CAD data (page 97).

<https://bit.ly/46V9yT1>

**AGTEK Video:** Tech Tip video with some useful tips for importing and transferring CAD data (page 97).

[www.agtek.com/video.html?id=396](http://www.agtek.com/video.html?id=396)

**AGTEK Video:** PDF-to-CAD alignment (page 98).

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

**AGTEK Video:** AGTEK 4D's Cut/Paste function (pages 100, 241, 367).

[www.agtek.com/video.html?id=486](http://www.agtek.com/video.html?id=486)

**AGTEK Video:** Select spiked elevation on 3D view with Ctrl-Left click method (page 101).

[www.agtek.com/video.html?id=462](http://www.agtek.com/video.html?id=462)

**AGTEK Video:** Using the Find Elevation function (page 101).

[www.agtek.com/video.html?id=463](http://www.agtek.com/video.html?id=463)

**AGTEK Video:** Conform selected 2D line work to 3D line work or to surface model (pages 109, 176, 380).

[www.agtek.com/video.html?id=171](http://www.agtek.com/video.html?id=171)

**AGTEK Video:** Conform TBC lines to contours, manually edit/insert end-point and intermediate grades (pages 109, 191).

[www.agtek.com/video.html?id=399](http://www.agtek.com/video.html?id=399)

**AGTEK Video:** (@ 2:50 min) Conform parking lot island TBC lines to surface (page 109).

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[www.agtek.com/video.html?id=447](http://www.agtek.com/video.html?id=447)

**AGTEK Video:** (@ 4:18 min) Conform parking lot EP lines to contours and surface with edits (page 109).

[www.agtek.com/video.html?id=506](http://www.agtek.com/video.html?id=506)

**AGTEK Video:** (@ 11:30 min) Conform 2D CAD line work to a CAD TIN surface (pages 93, 109).

[www.agtek.com/video.html?id=381](http://www.agtek.com/video.html?id=381)

**AGTEK Video:** 2D-to-3D conversion methods with imported vector PDF existing surface line work (page 112).

[www.agtek.com/video.html?id=397](http://www.agtek.com/video.html?id=397)

**AGTEK Video:** 2D-to-3D conversion methods with imported CAD existing surface line work (page 112).

[www.agtek.com/video.html?id=308](http://www.agtek.com/video.html?id=308)

**AGTEK Video:** Basic example of Auto Pad utility (pages 116, 150).

[www.agtek.com/video.html?id=431](http://www.agtek.com/video.html?id=431)

**AGTEK Video:** Selecting and filtering data with the Label Selection utility (pages 116, 167, 371).

<https://bit.ly/47ca9Ao>

**AGTEK Video:** Cleanup of contours extending into a building area (page 120).

[www.agtek.com/video.html?id=472](http://www.agtek.com/video.html?id=472)

**AGTEK Video:** AGTEK 4D's Documentation layer (pages 126, 284).

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

**AGTEK Video:** Some useful tips for elevating curb lines for use as an Offset or Template reference (page 126).

[www.agtek.com/video.html?id=280](http://www.agtek.com/video.html?id=280)

**AGTEK Video:** Pre-join and join considerations (pages 127, 256).

[www.agtek.com/video.html?id=607](http://www.agtek.com/video.html?id=607)

**AGTEK Video:** More pre-join and join considerations (pages 127, 256).

[www.agtek.com/video.html?id=428](http://www.agtek.com/video.html?id=428)

**AGTEK Video:** Right-click Continue function to resume/modify entry of any object's alignment (page 128).

[www.agtek.com/video.html?id=382](http://www.agtek.com/video.html?id=382)

**AGTEK Video:** 2D-to-3D conversion methods with imported vector PDF design surface line work (page 132).

[www.agtek.com/video.html?id=398](http://www.agtek.com/video.html?id=398)

**AGTEK Video:** 2D-to-3D conversion methods with imported CAD design surface line work (page 132).

[www.agtek.com/video.html?id=404](http://www.agtek.com/video.html?id=404)

**AGTEK Video:** Geo-referencing with job file in *State Plane Coordinates* (page 136).

[www.agtek.com/video.html?id=469](http://www.agtek.com/video.html?id=469)

**AGTEK Video:** *Map Projection Settings* dialog for SPC geo-referencing method (pages 83, 136).

[www.earthworksoftwareservices.com/resourcesa.htm#GEPro](http://www.earthworksoftwareservices.com/resourcesa.htm#GEPro)

**Web Page:** Free Google Earth Pro information and download link (pages 136, 349).

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

**PDF:** Google Earth User Guide (pages 138, 293).

[www.ngs.noaa.gov/NCAT/](http://www.ngs.noaa.gov/NCAT/)

**Web Page:** *NGS Coordinate Conversion and Transformation Tool* for SPC zone lookup (page 139).

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[www.earthsurvey.us/spcge/spcge.html](http://www.earthsurvey.us/spcge/spcge.html)

**Web Page:** Earth Survey's SPCS tool for SPC zone lookup in Google Earth (page 139).

[www.agtek.com/video.html?id=426](http://www.agtek.com/video.html?id=426)

**AGTEK Video:** Overview of two dozen useful shortcut keys (page 142).

[www.agtek.com/video.html?id=224](http://www.agtek.com/video.html?id=224)

**AGTEK Video:** Overview of function keys (F1 through F12) in all modes (page 142).

[www.agtek.com/video.html?id=439](http://www.agtek.com/video.html?id=439)

**AGTEK Video:** Overview of various snap options in Entry mode (page 142).

<https://youtu.be/xRzd60zssxs>

**YouTube Video:** AGTEK's F7 Move Selected Point applications (pages 142, 257, 396).

[www.agtek.com/video.html?id=242](http://www.agtek.com/video.html?id=242)

**AGTEK Video:** Overview of F8 snap functions in Edit and Entry modes (page 142).

[www.agtek.com/video.html?id=223](http://www.agtek.com/video.html?id=223)

**AGTEK Video:** Overview of menu shortcut keys in Edit mode (page 142).

<https://youtu.be/v4p8x5yGJhw>

**YouTube Video:** Good demonstration of controlling AGTEK's 3D view using keyboard shortcuts (pages 142, 377).

#### Additional CAD Data Manipulation Examples

[www.agtek.com/video.html?id=457](http://www.agtek.com/video.html?id=457)

**AGTEK Video:** (AGTEK 4D) Use Check Job Scale utility to correct job file scale (page 147).

[www.agtek.com/video.html?id=650](http://www.agtek.com/video.html?id=650)

**AGTEK Video:** Addresses a number of units-conversion situations (pages 147, 312).

[www.agtek.com/video.html?id=308](http://www.agtek.com/video.html?id=308)

**AGTEK Video:** Basic example of Auto Pad utility (pages 116, 150).

[www.agtek.com/video.html?id=431](http://www.agtek.com/video.html?id=431)

**AGTEK Video:** Selecting and filtering data with the Label Selection utility (pages 116, 167, 371).

[www.agtek.com/video.html?id=463](http://www.agtek.com/video.html?id=463)

**AGTEK Video:** Conform selected 2D line work to 3D line work or to surface model (pages 109, 176, 380).

[www.earthworksoftwareservices.com/downloads/whitepaper.pdf](http://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 176, 419). [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 315.]

[www.agtek.com/video.html?id=502](http://www.agtek.com/video.html?id=502)

**AGTEK Video:** Entering street centerline elevations from PDF profile sheets (page 182).

[www.agtek.com/video.html?id=621](http://www.agtek.com/video.html?id=621)

**AGTEK Video:** Horizontal COGO entry for street alignment (page 182).

[www.agtek.com/video.html?id=622](http://www.agtek.com/video.html?id=622)

**AGTEK Video:** Vertical COGO entry for street vertical curves (page 182).

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### Modeling with Vector Data Step-by-Step (Cont.)

[www.agtek.com/video.html?id=368](http://www.agtek.com/video.html?id=368)

**AGTEK Video:** Use Apply Template utility for street with curb and gutter (page 182).

[www.agtek.com/video.html?id=143](http://www.agtek.com/video.html?id=143)

**AGTEK Video:** Use Apply Template utility for street with side slopes, no curb and gutter (page 182).

[www.agtek.com/video.html?id=374](http://www.agtek.com/video.html?id=374)

**AGTEK Video:** Use Apply Template utility for street variable side ditches, no curb and gutter (page 182).

[www.agtek.com/video.html?id=504](http://www.agtek.com/video.html?id=504)

**AGTEK Video:** Remove Lines Between option with Trim Lines utility (page 191).

[www.agtek.com/video.html?id=116](http://www.agtek.com/video.html?id=116)

**AGTEK Video:** Offset C & G lines from EP line and trim/delete contours vs. Apply Template method (page 191).

[www.agtek.com/video.html?id=171](http://www.agtek.com/video.html?id=171)

**AGTEK Video:** Conform to elevate TBC lines then generate TFC/GFL/EP lines with Apply Template utility (pages 109, 191).

[www.agtek.com/video.html?id=326](http://www.agtek.com/video.html?id=326)

**AGTEK Video:** Conform EP Annotation line to imported CAD TIN, also includes brief example of *Send to Highway* utility (pages 93, 193, 303).

### Modeling with ASCII Text Survey Data

[www.agtek.com/video.html?id=574](http://www.agtek.com/video.html?id=574)

**AGTEK Video:** Overview of required PNEZ text survey file format, including an example of editing survey text file field columns in Excel (page 195).

[www.agtek.com/video.html?id=299](http://www.agtek.com/video.html?id=299)

**AGTEK Video:** Export AGTEK AGT PNEZ text file from SmartGrade RTK, import to AGTEK 4D and process data with Apply Survey utility (pages 196, 296).

[www.agtek.com/video.html?id=421](http://www.agtek.com/video.html?id=421) [Gradework 4D]

**AGTEK Video:** 55-minute comprehensive webinar video covering the workflow for collecting and processing drone survey data using AGTEK's *RTK Drone Package* (page 197).

[agtek.my.site.com/community/s/training-drone-data?tabset-27513=1](http://agtek.my.site.com/community/s/training-drone-data?tabset-27513=1)

**Web Page:** AGTEK's Drone Data Training page for drone survey data processing videos (pages 197, 282).

[www.agtek.com/video.html?id=304](http://www.agtek.com/video.html?id=304) [Earthwork 4D]

**AGTEK Video:** Advance this 34-minute video to the 7:10 minute mark for a data-specification letter image and import steps that *Earthwork 4D* users can use with down-sampled drone survey data (page 197).

[www.agtek.com/video.html?id=579](http://www.agtek.com/video.html?id=579)

**AGTEK Video:** Analyzing haul tracks with Trackwork 4D training (page 197).

[www.agtek.com/video.html?id=212](http://www.agtek.com/video.html?id=212)

**AGTEK Video:** Includes a demonstration of differing results with the point-connection options (page 198).

<https://youtu.be/49GXFKuZXkc>

**YouTube Video:** Topo data collection tutorial #1 with examples for a commercial site, a stockpile and a road (page 200).

<https://youtu.be/m5611uGgy2c>

**YouTube Video:** Topo data collection tutorial #2 addresses data collection for several over-excavation examples and ends with a brief discussion on the preferred PNEZ ASCII text export format for collected topo survey data (page 200).

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#### Modeling with ASCII Text Survey Data (Cont.)

[www.agtek.com/video.html?id=297](http://www.agtek.com/video.html?id=297)

**AGTEK Video:** Demonstrates the quick pit/pile survey volume option in SmartGrade RTK (page 204).

[www.agtek.com/video.html?id=589](http://www.agtek.com/video.html?id=589) [Gradework 4D]

**AGTEK Video:** Stockpile Guide for processing stockpile/borrow pit topo data from drone/GPS/optical collection (page 204).

<https://bit.ly/3A4MJjr>

**PDF:** Day 1 Handbook's "Shrink/Swell Adjustments" discussion (page 216). [Note: This PDF link may expire sometime after mid-2025 but the corresponding shrink/swell topic can be found on pages 231-240 of the Day 1 Handbook.]

[www.agtek.com/video.html?id=430](http://www.agtek.com/video.html?id=430)

**AGTEK Video:** Generating cross sections covering the entire site area (pages 217, 240, 366).

[www.agtek.com/video.html?id=207](http://www.agtek.com/video.html?id=207)

**AGTEK Video:** (@ 1:28 min) Covers some techniques in the *Quantify and Document Bid Topo Update* exercise (page 220).

[www.agtek.com/video.html?id=236](http://www.agtek.com/video.html?id=236)

**AGTEK Video:** (@ 4:50 min) Covers locating and saving a Google Earth site image (pages 224, 351).

<https://youtu.be/KDuLlCLxavY>

**YouTube Video:** Generating profile views (pages 229, 293, 366).

[www.agtek.com/video.html?id=430](http://www.agtek.com/video.html?id=430)

**AGTEK Video:** Generating cross sections covering the entire site area (pages 217, 240, 366).

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

**AGTEK Video:** AGTEK 4D's Cut/Paste function (pages 100, 241, 367).

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

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

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

[www.agtek.com/video.html?id=566](http://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](http://www.agtek.com/help/sw/earthwork4dhelp.htm)

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

[www.agtek.com/help/gw/gradework4dhelp.htm](http://www.agtek.com/help/gw/gradework4dhelp.htm)

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

[www.youtube.com/c/AGTEKDirtSimpleSolutions/videos](http://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/](http://www.linkedin.com/groups/2015287/)

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

[agtek.my.site.com/community/s/training-self-paced](http://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/](http://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](http://agtek.my.site.com/community/s/homepage-support)

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



## Appendix F Catalog of Day 2 Handbook Web Resources (Cont.)

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

[support@agtek.com](mailto: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 (pages 248, 282).

<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](http://www.agtek.com/video.html?id=561)

**AGTEK Video:** (@ 2:49 min) AGTEK Access' file-sharing utility (page 248).

[www.earthworksoftwareservices.com/resourceed.htm#beginners](http://www.earthworksoftwareservices.com/resourceed.htm#beginners)

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

[www.earthworksoftwareservices.com/hbk-replace-order.aspx](http://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](http://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/](http://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/](http://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/](http://agtek.com/services-support/intermediate-advanced-training/)

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

[agtek.my.site.com/community/s/product-gradework?tabset-ec09d=ae123](http://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](http://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/Bsxx8VFfoGuP>

**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](http://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](http://www.agtek.com/video.html?id=559)

**AGTEK Video:** Download and install AGTEK 4D program update (page 250).

[agtek.my.site.com/community/s/](http://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](http://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](http://agtek.my.site.com/community/s/selfhelp-manuals)

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

# Appendix F

## Catalog of Day 2 Handbook Web Resources (Cont.)

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

[www.earthworksoftwareservices.com/resourcesw.htm#gtco](http://www.earthworksoftwareservices.com/resourcesw.htm#gtco) [Earthwork 3D]

**Web Page:** GTCO digitizer resource links (page 252).

### Appendix B – Keyboard Shortcuts Reference

[www.agtek.com/help/gw/keyboard\\_shortcuts.htm](http://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](http://www.agtek.com/video.html?id=545)

**AGTEK Video:** Using Fillet Line utility (Ctrl-F) for line work clean up (pages 256, 386).

[www.agtek.com/video.html?id=280](http://www.agtek.com/video.html?id=280)

**AGTEK Video:** Using Join (Ctrl-J) for line work cleanup (pages 127, 256).

[www.agtek.com/video.html?id=607](http://www.agtek.com/video.html?id=607)

**AGTEK Video:** More Join (Ctrl-J) examples for line work cleanup (pages 127, 256).

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

**AGTEK Video:** New shortcuts for entry/edit of Report Regions, Sectional Areas and Stripping Areas (pages 256, 262).

<https://youtu.be/xRzd60zssxs>

**YouTube Video:** AGTEK's F7 Move Selected Point applications (pages 142, 257, 396).

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

**AGTEK Video:** F11 Shrink-Wrap utility (pages 257, 375).

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

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

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

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

[www.agtek.com/video.html?id=267](http://www.agtek.com/video.html?id=267)

**AGTEK Video:** F12 Discreet Distance/Angle entry application example (page 263).

[www.agtek.com/video.html?id=355](http://www.agtek.com/video.html?id=355)

**AGTEK Video:** Another F12 Discreet Distance/Angle entry application example (pages 263, 303).

### Appendix C – Download and Use Day 2 Seminar Training Files

[www.earthworksoftwareservices.com/resourcefiles.htm](http://www.earthworksoftwareservices.com/resourcefiles.htm)

**Web Page:** Download Day 2 seminar training files from main website (pages 52, 275).

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

**Web Page:** Download Day 2 seminar training files from alternate web archive site (pages 275, 315).

### Appendix D – Exporting AGTEK Data

[www.agtek.com/video.html?id=199](http://www.agtek.com/video.html?id=199)

**AGTEK Video:** (AGTEK 3D and pre-v1.20 releases of AGTEK 4D) Overview of exportable grade control files with the now-discontinued exporting menu organization (page 281).

[www.agtek.com/video.html?id=528](http://www.agtek.com/video.html?id=528) [Gradework 4D]

**AGTEK Video:** (AGTEK 4D) Comprehensive overview of current machine control export options: for managing exported line work colors (@ 15:15 min), Leica (@ 22:50 min), Trimble (@ 31:50 min), Topcon (@ 36:05 min) and stringless curb machine alignments (@ 45:45 min) (page 281).

## Appendix F

### Catalog of Day 2 Handbook Web Resources (Cont.)

#### Appendix D – Exporting AGTEK Data (Cont.)

[www.agtek.com/video.html?id=531](http://www.agtek.com/video.html?id=531) [Gradework 4D]

**AGTEK Video:** (@ 26:07 min) Topcon TP3 file export (combined surface/line work) for machine control (pages 281, 298).

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

**AGTEK Video:** (@ 5:19 min) Export IFC file for surface data transfer to BIM systems (page 281).

[agtek.my.site.com/community/s/training-drone-data?tabset-27513=1](http://agtek.my.site.com/community/s/training-drone-data?tabset-27513=1)

**Web Page:** AGTEK's Drone Data Training page for drone survey data processing videos (pages 197, 282).

[www.agtek.com/video.html?id=19](http://www.agtek.com/video.html?id=19)

**AGTEK Video:** SmartPlan mobile app geo-referencing for ADF/KMZ export (page 282).

[www.agtek.com/video.html?id=22](http://www.agtek.com/video.html?id=22)

**AGTEK Video:** Export ADF with plan sheets only for SmartPlan mobile app (page 282).

[www.agtek.com/video.html?id=290](http://www.agtek.com/video.html?id=290)

**AGTEK Video:** SmartDirt mobile app geo-referencing for ADF/KMZ export (page 282).

[www.agtek.com/video.html?id=292](http://www.agtek.com/video.html?id=292)

**AGTEK Video:** Export ADF file for SmartGrade RTK mobile app (page 282).

[www.agtek.com/video.html?id=291](http://www.agtek.com/video.html?id=291)

**AGTEK Video:** AGTEK's web-based User/File Manager (page 282).

[www.agtek.com/video.html?id=528](http://www.agtek.com/video.html?id=528)

**AGTEK Video:** (@ 48:31 min) Latest on exporting geo-referenced data for AGTEK Smart apps as ADF/KMZ files (page 282).

[www.agtek.com/video.html?id=186](http://www.agtek.com/video.html?id=186)

**AGTEK Video:** Export ESW file for discontinued PlanPilot, GradePilot and Grade Super mobile apps (page 282).

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

**AGTEK Video:** AGTEK 4D's ESZ Save As function with multiple background image attachment option (pages 248, 282).

[www.agtek.com/video.html?id=471](http://www.agtek.com/video.html?id=471)

**AGTEK Video:** Methods to reduce file size in AGTEK 4D (page 283).

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

**Web Page:** AGTEK FAQ page with troubleshooting tips for 3D view not displaying when Staged Design is enabled (page 283).

[www.agtek.com/video.html?id=467](http://www.agtek.com/video.html?id=467)

**AGTEK Video:** Demonstrates the Transfer Subgrade utility (page 283).

[www.agtek.com/video.html?id=478](http://www.agtek.com/video.html?id=478)

**AGTEK Video:** Demonstrates functions of AGTEK 4D's Stake List Editor (page 284).

[www.agtek.com/video.html?id=472](http://www.agtek.com/video.html?id=472)

**AGTEK Video:** Demonstrates use of AGTEK 4D's Documentation layer (pages 126, 284).

[www.agtek.com/video.html?id=528](http://www.agtek.com/video.html?id=528)

**AGTEK Video:** (@ 15:15 min to 22:18 min) Demonstration of managing/displaying export colors with the Manage Export Colors utility, including creation of a master-colors job file (pages 281, 285).

[www.agtek.com/video.html?id=587](http://www.agtek.com/video.html?id=587) [Gradework 4D]

**AGTEK Video:** (@ 33:14 min mark) Covers new Add/Rename/Reassign Manage Export Colors functions (page 285).

## Appendix F

### Catalog of Day 2 Handbook Web Resources (Cont.)

#### Appendix D – Exporting AGTEK Data (Cont.)

[www.agtek.com/video.html?id=588](http://www.agtek.com/video.html?id=588) [Gradework 4D]

**AGTEK Video:** Another look at new Add/Rename/Reassign Manage Export Colors functions (page 285).

[www.agtek.com/video.html?id=214](http://www.agtek.com/video.html?id=214)

**AGTEK Video:** Export surface data for Revit (page 289).

[www.agtek.com/video.html?id=215](http://www.agtek.com/video.html?id=215)

**AGTEK Video:** Export surface data for SketchUp (page 290).

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

**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 292, 405).

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

**PDF:** Google Earth User Guide (pages 138, 293).

[www.agtek.com/video.html?id=220](http://www.agtek.com/video.html?id=220)

**AGTEK Video:** Manipulating exported AGTEK KMZ data in Google Earth (page 293).

[www.agtek.com/video.html?id=174](http://www.agtek.com/video.html?id=174)

**AGTEK Video:** Includes some additional manipulations of exported AGTEK KMZ data in Google Earth (page 293).

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

**YouTube Video:** Good details on manipulating AGTEK KMZ profiles in Google Earth (pages 229, 293, 366).

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

**AGTEK Video:** Combining multiple AGTEK KMZ files in Google Earth (page 293).

[www.agtek.com/video.html?id=163](http://www.agtek.com/video.html?id=163)

**AGTEK Video:** Organize Google Earth folders for multiple PDF plan sheets (pages 32, 293).

[www.agtek.com/video.html?id=295](http://www.agtek.com/video.html?id=295)

**AGTEK Video:** Export AGTEK AGT PNEZ text file from SmartGrade RTK (page 296).

[www.agtek.com/video.html?id=299](http://www.agtek.com/video.html?id=299)

**AGTEK Video:** Export AGTEK AGT PNEZ text file from SmartGrade RTK, import to AGTEK, process data (pages 196, 296).

[www.agtek.com/video.html?id=528](http://www.agtek.com/video.html?id=528) [Gradework 4D]

**AGTEK Video:** (@ 22:50 min to 31:50 min) Demonstration of exporting AGTEK Surface TIN to LandXML file and line work Layer data to DXF for Leica grade control (pages 281, 297).

[www.agtek.com/video.html?id=438](http://www.agtek.com/video.html?id=438)

**AGTEK Video:** Export AGTEK Surface TIN and line work Layer data to one DXF file for Leica grade control (page 297).

[www.agtek.com/video.html?id=443](http://www.agtek.com/video.html?id=443)

**AGTEK Video:** Export AGTEK Stake List data for Leica grade control (page 297).

[www.agtek.com/video.html?id=528](http://www.agtek.com/video.html?id=528) [Gradework 4D]

**AGTEK Video:** (@ 36:05 min) Export Topcon TP3 file (combined surface/line work) for machine control (pages 281, 298).

[www.agtek.com/video.html?id=531](http://www.agtek.com/video.html?id=531) [Gradework 4D]

**AGTEK Video:** (@ 26:07 min) Topcon TP3 file export (combined surface/line work) for machine control (pages 281, 298).

[www.agtek.com/video.html?id=465](http://www.agtek.com/video.html?id=465)

**AGTEK Video:** Export Topcon TN3, LN3, CSV files (page 300).

## Appendix F

### Catalog of Day 2 Handbook Web Resources (Cont.)

#### Appendix D – Exporting AGTEK Data (Cont.)

[www.agtek.com/video.html?id=565](http://www.agtek.com/video.html?id=565)

**AGTEK Video:** Export Topcon TP3 (combined TN3/LN3) and CSV files (page 300).

[www.agtek.com/video.html?id=630](http://www.agtek.com/video.html?id=630)

**AGTEK Video:** (@ 1:42 min) Export Highway 4D LandXML file and import in Topcon 3D Office (pages 300, 302).

[www.oceanservice.noaa.gov/geodesy/international-foot.html](http://www.oceanservice.noaa.gov/geodesy/international-foot.html)

**Web Page:** The difference between the US Survey Foot and the International Foot (page 300).

[www.noaa.gov/stories/thinking-on-our-feet-december-31-marks-end-of-us-survey-foot](http://www.noaa.gov/stories/thinking-on-our-feet-december-31-marks-end-of-us-survey-foot)

**Web Page:** Retiring the US Survey Foot and standardizing on the International Foot (page 300).

[www.agtek.com/video.html?id=528](http://www.agtek.com/video.html?id=528) [AGTEK 4D]

**AGTEK Video:** (@ 31:50 min) Discusses exporting XML files (for surface), DXF files (for line work), including an example of reading XML/DXF files in Trimble Business Center and exporting files from TBC for Trimble's SiteWorks field app for grade control (pages 281, 302).

[www.agtek.com/video.html?id=466](http://www.agtek.com/video.html?id=466)

**AGTEK Video:** Export Trimble TTM and DWG files (page 302).

[www.agtek.com/video.html?id=630](http://www.agtek.com/video.html?id=630)

**AGTEK Video:** (@ 2:36 min) Export Highway 4D LandXML file and import in Trimble Business Center (pages 300, 302).

[www.agtek.com/video.html?id=354](http://www.agtek.com/video.html?id=354) [Gradework 4D]

**AGTEK Video:** Overview of creating and exporting LandXML stringless alignments in Gradework 4D (page 303).

[www.agtek.com/video.html?id=355](http://www.agtek.com/video.html?id=355)

**AGTEK Video:** (1) Clean up and prep for stringless alignments (pages 263, 303).

[www.agtek.com/video.html?id=359](http://www.agtek.com/video.html?id=359)

**AGTEK Video:** (2) More clean up and prep for stringless alignments (page 303).

<https://bit.ly/3WYo4qA>

**AGTEK Video:** (3) More clean up and prep for stringless alignments – gutter lip with template and conform (page 303).

[www.agtek.com/video.html?id=326](http://www.agtek.com/video.html?id=326) [Earthwork 4D]

**AGTEK Video:** Earthwork 4D alternative to Gradework 4D Create Stringless Alignment utility (pages 93, 193, 303).

#### Appendix E – Prepping CAD Files for AGTEK

[https://youtu.be/UcG1XeUf1\\_8](https://youtu.be/UcG1XeUf1_8)

**YouTube Video:** Convert DWG/DXF file to older release format with DWG TrueView (page 305).

<https://autode.sk/2yHkUL1>

**Web Page:** Compatibility table for AutoCAD DWG/DXF file formats and AutoCAD release versions (page 305).

[www.earthworksoftwareservices.com/resourcesw.htm#Free\\_CAD\\_Uilities](http://www.earthworksoftwareservices.com/resourcesw.htm#Free_CAD_Uilities)

**Web Page:** Resource links to free and low-cost CAD programs, file viewers and file-conversion utilities (pages 45, 305).

<https://youtu.be/4-L9X99yUY4>

**YouTube Video:** Convert DWF file to Vector PDF with Autodesk Design Review (page 305).

[products.backtocad.com/video-print2cad-1-2/](http://products.backtocad.com/video-print2cad-1-2/)

**Print2CAD Video:** Convert PDF/DWF files to DWG with Print2CAD (page 305).

## Appendix F

### Catalog of Day 2 Handbook Web Resources (Cont.)

#### Appendix E – Prepping CAD Files for AGTEK (Cont.)

<https://youtu.be/5hd-QdjkW8k>

**YouTube Video:** Convert DWG/DXF file in meters (metric) to feet (imperial) with AutoCAD or AutoCAD LT (page 312).

[www.agtek.com/video.html?id=650](http://www.agtek.com/video.html?id=650)

**AGTEK Video:** Addresses a number of units-conversion situations (pages 147, 312).

#### Appendix G – Horizontal Translation Exercises

[www.agtek.com/video.html?id=285](http://www.agtek.com/video.html?id=285)

**AGTEK Video:** Translation adjusting drone topo data to match job file's GPS ground control point coordinates (page 331).

[www.agtek.com/video.html?id=325](http://www.agtek.com/video.html?id=325)

**AGTEK Video:** Two-point translation to align takeoff job file with drone topo's State Plane coordinates (pages 83, 331).

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

**AGTEK Video:** Two-stage example of moving and rotating selected data (page 332).

[www.agtek.com/video.html?id=420](http://www.agtek.com/video.html?id=420)

**AGTEK Video:** Translate job file in arbitrary coordinates to match coordinates of provided CAD data (pages 63, 332).

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

**AGTEK Video:** Translate job file in arbitrary coordinates to match coordinates of provided CAD data (pages 63, 337).

#### Appendix I – Geo-Reference Job File with Google Earth

[www.agtek.com/video.html?id=418](http://www.agtek.com/video.html?id=418)

**AGTEK Video:** Overview of AGTEK's SmartPlan app (page 349).

[www.earthworksoftwareservices.com/resourcesa.htm#GEPro](http://www.earthworksoftwareservices.com/resourcesa.htm#GEPro)

**Web Page:** Free Google Earth Pro information and download link (pages 136, 349).

[www.agtek.com/video.html?id=388](http://www.agtek.com/video.html?id=388)

**AGTEK Video:** Good overview of geo-referencing and KMZ export (pages 349, 351).

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

**Web Page:** List of Google Earth keyboard shortcuts (page 350).

[www.agtek.com/video.html?id=236](http://www.agtek.com/video.html?id=236)

**AGTEK Video:** (@ 4:50 min) Saving Google Earth JPG image for import as AGTEK background image (pages 224, 351).

[www.agtek.com/video.html?id=18](http://www.agtek.com/video.html?id=18)

**AGTEK Video:** (@ 0:58 min) Placemark method for Google Earth alignment (pages 33, 351).

[www.agtek.com/video.html?id=388](http://www.agtek.com/video.html?id=388)

**AGTEK Video:** Includes *Ruler Tool* method for Google Earth alignment (pages 349, 351).

#### Appendix J – Conceptual Modeling Exercise

[www.earthworksoftwareservices.com/resourcesa.htm](http://www.earthworksoftwareservices.com/resourcesa.htm)

**Web Page:** Links to analytic add-ons for Google Earth and other site analysis resources (page 355).

[www.agtek.com/video.html?id=430](http://www.agtek.com/video.html?id=430)

**AGTEK Video:** Generating cross sections covering the entire site area (pages 217, 240, 366).

<https://youtu.be/KDuLlCLxavY>

**YouTube Video:** Generating profile views (pages 229, 293, 366).

## Appendix F

### Catalog of Day 2 Handbook Web Resources (Cont.)

#### Appendix J – Conceptual Modeling Exercise (Cont.)

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

**AGTEK Video:** AGTEK 4D's Cut/Paste function (pages 100, 241, 367).

[www.agtek.com/video.html?id=431](http://www.agtek.com/video.html?id=431)

**AGTEK Video:** Selecting and filtering data with the Label Selection utility (pages 116, 167, 371).

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

**AGTEK Video:** F11 Shrink-Wrap utility (pages 257, 375).

<https://youtu.be/v4p8x5yGJhw>

**YouTube Video:** Good demonstration of controlling AGTEK's 3D view using keyboard shortcuts (pages 142, 377).

[www.agtek.com/video.html?id=463](http://www.agtek.com/video.html?id=463)

**AGTEK Video:** Conform selected 2D line work to 3D line work or to surface model (pages 109, 176, 380).

[www.agtek.com/video.html?id=545](http://www.agtek.com/video.html?id=545)

**AGTEK Video:** Line work clean up with Fillet Line utility (pages 256, 386).

<https://youtu.be/xRzd60zssxs>

**YouTube Video:** AGTEK's F7 Move Selected Point applications (pages 142, 257, 396).

[www.agtek.com/video.html?id=535](http://www.agtek.com/video.html?id=535)

**AGTEK Video:** (@ ~17:29 min to ~37:00 min) Includes some interesting preliminary site design and balancing manipulations (page 404).

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

**AGTEK Video:** New dialog and reporting features for Report Regions, Sectional Areas and Stripping Areas (pages 404, 410).

<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 292, 405).

#### About the Author and Seminar Instructor

[www.earthworksoftwareservices.com/downloads/whitepaper.pdf](http://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 176, 419). [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 315.]