Natural Resources Conservation Service

AutoCAD Civil 3D 2020
Text, Dimensioning and Multileaders

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Agenda

Times are approximate

9:00 – 9:30   **MText and Text**
Module Objective: To assist users on using text styles within the Maryland Templates.

9:30 – 10:00   **Dimensioning**
Module Objective: To identify steps in the use and modification of dimensions.

10:00 – 10:10 **B R E A K**

10:10 – 10:30 **Multileaders**

Module Objective: To identify steps in the use and modification of multileaders.

10:30 – 11:00 **Annotative Properties**
Module Objective: To identify the purpose of annotative properties.

11:00 – 11:30   **Q&A Open Discussion**
Module Objective: To allow scheduled time for open discussion to answer any questions or troubleshoot existing user issues.

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Mtext and Text

Agenda

a) Text Styles in the Maryland Template
b) Create Text Style
c) Width Factor Oblique Angle
d) Delete Text Styles
e) Edit Mtext
f) Fields
g) Mtext Masking
h) Express Tools
i) Arc Aligned Text

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Dimensioning

Agenda

a) User Interface
b) Creating Dimensions
c) Dimension Layers
d) Edit Dimensions
e) Associative Dimensions
f) Dimension Styles
g) Update Dimensions

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Multileaders

Agenda

a) User Interface
b) Multileader Styles
c) Create Multileader
d) Edit Multileaders

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Annotative Properties

Agenda

a) Annotative Properties Overview
b) User Interface
c) Annotative Text Styles
d) Create Annotative Text
e) Annotative Scales
f)   Selectionannodisplay Variable
g) Annotative Blocks
h) Text and Block Positioning

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Questions?

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Training Resources

- www.marylandcadusers.com
- OTJ – On the Job
- Senior Technician
- CET – Civil Engineering Technician
- Area Engineer
- State Engineer

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Training Resources

NRCS CADD Support Resources

For general AutoCAD support:

Please try google first. There are a lot of good AutoCAD related resources such as https://knowledge.autodesk.com/, youtube, etc.

If you are not able to resolve your issue with these resources, you can contact your Autodesk Support Team:

- Autodesk Subscription website/support https://accounts.autodesk.com/.
- CADD Microsystems who is the reseller that is assigned to the USDA Autodesk contract. Tammy Via, Account Executive, tammy.via@caddmicrosystems.com, (410) 637-3859.
- Autodesk Federal Account Executive, Frank Schenk, frank.schenk@autodesk.com, (443-714-2291.

For Online AutoCAD training and support:

For Online CAD training and support you can go to https://nrcs.retrieve.com/. If you don't already have an account and would like one, please contact Jason.Bird@usda.gov to set up an account. The search feature in the kApps provided in the training library is also a good resource to search for specific CAD related issues.

For general peer-to-peer NRCS CADD support:

I suggest that all NRCS CADD users subscribe or request access to the NRCS-CADD Sharepoint which is a NRCS CADD user's resources website that includes a Forum, support files, and CADD related bookmarks. This site will have the latest news and updates relating to NRCS CADD. https://usdagcc.sharepoint.com/sites/NRCS-CADD/Shared%20Documents/Forms/AllItems.aspx?viewpath=%2Fsites%2FNRCS-CADD%2FShared%20Documents%2FForms%2FAllItems.aspx.

For NRCS standard drawings and other NRCS CADD resources:

The NRCS National CAD Support SharePoint website which includes NRCS standard drawings, NRCS customization templates and documents, Infrastructure Design Suite webcast videos, and links to the State CADD Contact list, NEH 641 – CAD Standards and NEM 541-Drafting and Drawings Standards. https://ems-team.usda.gov/sites/NRCS_ST/ndcsmc/CAD/default.aspx

For Civil 3D support:

If you have a Civil 3D issue that you cannot find a solution for, you can contact Andrew Walther andrew@apwengineering.com. Andrew is the contractor that created the NRCS Civil 3D kApps and is very knowledgeable in Civil 3D but please try the other resources listed above before contacting Andrew.

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Things to Know

- If you have a question – ASK!
- There are always multiple ways to do the same thing – use the one(s) that work best for you
- Keep in mind the goal of what you are using AutoCAD/Civil 3D for
- Use help sources
- This program can be as simple or as complicated as you would like it to be
- Spend time using the program and, whenever possible, with other people who use the program