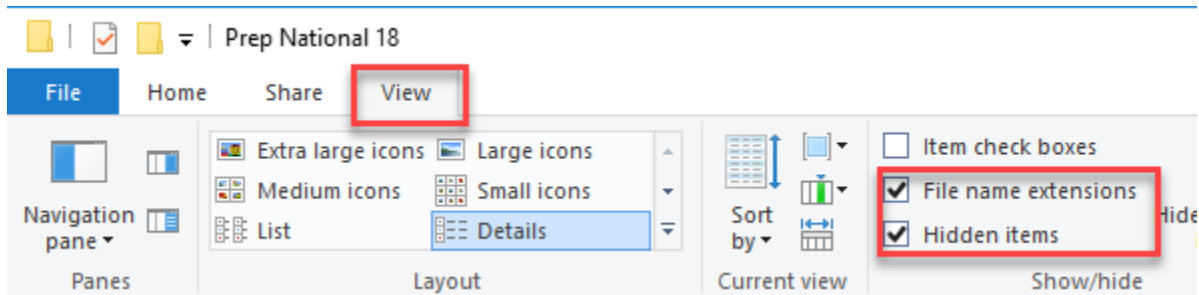# User Setup of NRCS Customization for AutoCAD Civil 3D 2020 Software Windows 10 CCE

## About

Support files & tools for use with AutoCAD Civil 3D 2020 software in support of the National NRCS CAD standards are deployed separately from Civil 3D 2020. After the NRCS customization files are installed, user customization settings need to be completed within the login for each individual user.

**Do this first:** Set Windows Explorer to show hidden folders.
In Windows Explorer click *View.* Then within *Show/hide* checkmark *Hidden items* & *File name extensions*:



## User Setup of Civil 3D 2020 using National NRCS deployment

Note: If a user had launched *Civil 3D 2020* prior to the installation of the NRCS customization files, then the user will first need to **reset** Civil 3D 2020 for their login. (See Resetting AutoCAD Civil 3D instructions on the final page.)

1) Launch Civil 3D 2020 via *Start… Autodesk Civil 3D 2020 - English*… **Civil 3D 2020 *Metric***.

2) Type *Options* [Enter] to pull up the Options dialog box. Select the Profiles tab.
   a) Highlight <<C3D_Imperial>> and Click *Rename* and then rename it to
      **Original<<C3D_Imperial>>**
   b) Click *Apply & Close*.
   c) Click *Import…* then *Browse*: to
      C:\ProgramData\Autodesk\C3D 2020\SupportNRCS

   > Note: *C:\ProgramData\* is the same as *C:\Users\All Users\* in Windows 10.

   d) Select *C3D_Imperial 2020_NRCS.arg* and Click *Open*.
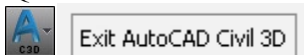   e) Rename the Profile name to **<<C3D_Imperial>>** and checkmark *Include path information*. Be sure to include the "<<" and ">>" in the name.
   f) Click *Apply & Close*.
   g) Click *OK* to exit the Options dialog.

3) Quit out of AutoCAD Civil 3D 2020 by clicking Exit from the Application Menu.



4) Click *No* when asked to save changes to the drawings.

5) Launch **Civil 3D 2020 *Imperial***.

6) If the Autodesk Data Collection and Use window appears, you can select whether or not to participate. Select your choice and *Click* OK.

7) Move your Toolspace to your preferred screen location or click on the Toolspace AutoHide and Properties to change docking, etc.

8) Trimble Link (A - Disable or B - Register). Trimble Link tools can be used to transfer data between AutoCAD and Trimble surveying devices.
    Option A) To **disable** the Trimble Link tool.
1. Type *CUI*, Press *Enter*
2. Within the Customize tab, expand the Partial CUI files list in the left column.
3. Right-click on TRIMBLELINK
4. Click *Unload TRIMBLELINK.CUIX* file.
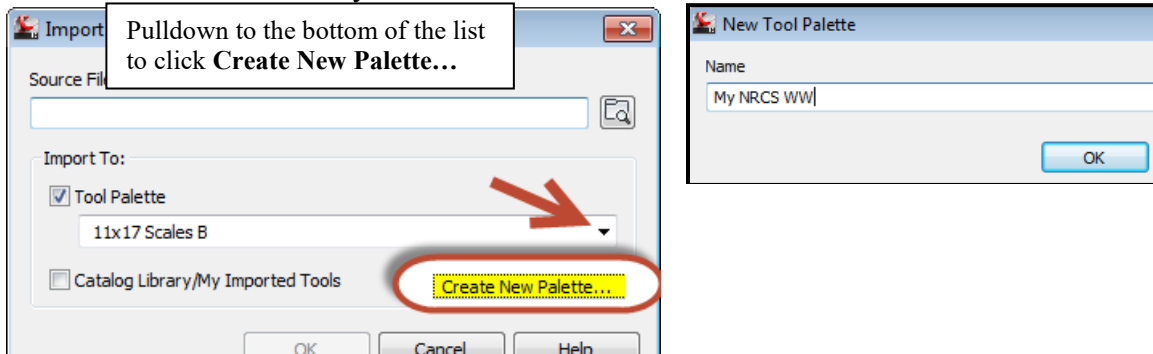5. Click *OK* to close the CUI.
    Option B) To **register** Trimble Link if you have not registered an earlier version:
1. Initialize a Trimble Link command from the ribbon. (The following steps will not be needed if registration has already been done.)
2. An Authorize box will appear. Click *Yes I Agree*.
3. Click on the link to the Trimble registration page and complete the information.
4. A registration key will be provided. Or use: **64251726**
5. Enter the registration key into the Authorization code of the Authorize Trimble Link dialog.
6. Click *OK*
7. The Trimble Link tool will be enabled. Click Ok.

9) Import the NRCS Waterway subassemblies
    From the AutoCAD Civil 3D 2020 ribbon use *Insert… Import…Import Subassemblies…*

    Prior to Importing the .pkt files, select *Create New Palette* at the bottom of the dropdown list to make a new tab named ***My NRCS WW***.



    Set the Tool Palette to ***My NRCS WW***. (or select an existing tab)

    At *Source File*, browse to *C:\ProgramData\Autodesk\C3D 2020\SupportNRCS\WW Subassemblies*.
    You can select all of the .pkt files using Control+Click. Click *Open*.
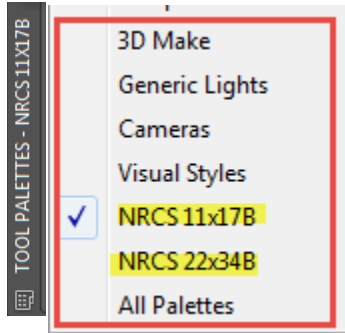    Click *Ok*.
    The ***My NRCS WW*** tab with the subassemblies will be added to your current Palette.
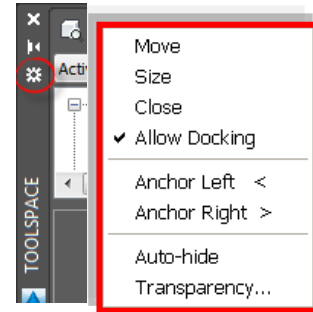10) Exit CAD and relaunch.

**Optional: Customizing workspace menus & tool bars**

To Toggle on/off the Toolspace, Properties, or Tool Palettes use the ribbon via *Home… Palettes….*

Any of these palettes can be docked or anchored by right clicking on the palette title and clicking the anchoring or docking options.



Press Ctrl+ 3 to toggle Tool Palettes on/off. When you Right-Click on the Tool Palette bar you can switch to the NRCS 11x17 or NRCS 22x34 groupings.

To unload an entire Partial CUI from a profile (this makes them unavailable to all workspaces in the profile):
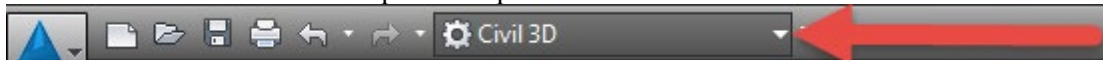1. Type *CUI*, Press *Enter*
2. Within the Customize tab, expand the Partial CUI files list in the left column.
3. Right-click on the Partial CUI to be removed (TRIMBLE, etc),
4. Click *Unload CUI file*.
5. Click *OK* to close the CUI.

To disable some menus and/or toolbars in an individual workspace:
1. Type *CUI*, Press *Enter*
2. Highlight the Workspace to be customized in the left column,
3. Click *Customize Workspace* in the right column.
4. Un-Checkmark toolbars or menus under the Main, Partial, or Enterprise CUI list on the left side to make them not appear to the selected workspace.
5. Click *OK* when done to save the changes and have them take effect.

To save changes to the location of the palettes in a workspace:
1. Click the Workspace Switching in the Quick Launch toolbar and click *Save Current As*. Then select the current workspace or input a new name. Click *Save*.



To switch workspaces:
1. Click the Workspace Switching in the Quick Launch toolbar and select the desired workspace.
(The software will open next time using the Workspace that is active when you exit out of CAD.)

**For Reference Only:**
**NRCS Custom Options settings for AutoCAD Civil 3D 2020 on Windows 10**

These are settings changes that the NRCS Customization has included:

Type *Options* [Enter] to pull up the Options dialog box. Select the Files tab. Add the following settings using the Browse or Add buttons if these are not already preset:

Support File Search Path (in addition to default paths)
  C:\ProgramData\Autodesk\C3D 2020\SupportNRCS\Macros
  C:\ProgramData\Autodesk\C3D 2020\SupportNRCS\Interface
Trusted Locations…
  C:\ProgramData\Autodesk\C3D 2020\SupportNRCS\Macros\...
Customization files…
  Main Customization file…
    C:\User\\*{user.name}*\appdata\roaming\autodesk\c3d 2020\enu\support\c3d
  Enterprise Customization file…
    C:\ProgramData\Autodesk\C3D 2020\SupportNRCS\Interface\nrcs_c3d.cuix
Template Settings… Drawing Template File Location…
  C:\ ProgramData\CAD Std 2020\Templates
Template Settings… Sheet Set Template File Location…
  C:\ ProgramData\CAD Std 2020\Templates
Template Settings… Default Template File Name for QNEW…
  C:\ProgramData\cad std 2020\templates\usdanrcsc3d2020rev1.0 (11x17).dwt
Tool Palettes File Locations…
  C:\User\\*{user.name}*\appdata\roaming\autodesk\c3d 2020\enu\support\ToolPalette
  C:\ProgramData\Autodesk\C3D 2020\SupportNRCS\ToolPalette\Text_Blocks_B
  C:\ProgramData\Autodesk\C3D 2020\SupportNRCS\ToolPalette\NRCS_Lines
Temporary Drawing File Location…
  C:\Users\\*{user.name}*\appdata\local\temp\
Temporary External Reference File Location…
  C:\Users\\*{user.name}*\appdata\local\temp\
Click OK to have the changes take effect.

## Resetting AutoCAD Civil 3D 2020 settings for a User

If a user has previously launched Civil 3D 2020 prior to the installation of the NRCS customization files, then the user will first need to **reset** Civil 3D 2020 for their user login.

### Reset Civil 3D 2020 user profile the easy way:

*1.*  Click *Start… Autodesk Civil 3D 2020 - English… Reset settings to Default…*
2.  At the Reset Settings – Backup Screen you can click **Reset custom settings** unless you know of a need to back them up.
3.  At the confirm screen click *OK*.
4.  Then AutoCAD Civil 3D launches as plain AutoCAD 2020.
5.  Quit out and redo your user customization.

### Or

### Reset Civil 3D 2020 user profile manually :

Log on to the computer as that user.

1.  On the Start menu (Windows), type Run. Press Enter
2.  In the Run dialog box, enter **regedit**. Click Ok.

> NRCS computers allow this **regedit** change *without* needing an administrator.

3.  In the Registry Editor, browse to the following key and delete it:
    *HKEY_CURRENT_USER\Software\Autodesk\AutoCAD\R23.1\ACAD-3000:409*

5.  Close the Registry Editor.
6.  Using Windows Explorer, browse to and delete the following user's application folders:

*C:\Users\<user>\AppData\Roaming\Autodesk\C3D 2020*

*C:\Users\<user>\AppData\Local\Autodesk\C3D 2020*