



MONTANA

Department of Transportation

Engineering Systems CADD Support

SAVING USER CUSTOMIZED CIVIL 3D STATE KIT CONTENT

ISSUE:

Civil 3D program files, data, and state kit content will be deleted with Civil 3D upgrades and MDT Civil 3D State Kit updates. Data loss will occur if user customized content is saved in program paths:

- C:\ProgramData\Autodesk
- C:\mdoh\StateKit\Civil 3D\2022
- C:\mdoh\StateKit\Civil 3D\2024

SOLUTION:

User created content (subassemblies, assemblies, block libraries, palettes, templates, tools, etc.) saved in the identified paths will need to be relocated to alternate locations. The MDT Civil 3D State Kit is delivered with a dedicated location for user customized content to be stored safe from upgrades and updates.

Customized subassembly and assembly files are prepared in a dedicated location and saved with project files in BIM 360 (or identified document management system for consultants external to MDT).

Subassembly non-PKT files used with Civil 3D 2022 and prior versions require special attention.

See “[Managing Subassembly Reference Files \(PKT\) in a DWG and for Projects](#)” for creating and saving PKT subassemblies.

Application/Tool(s):

AutoCAD / Civil 3D

Version(s):

13.4.2455.0 Civil 3D
2022.2.6 Update

13.6.1916.0 Civil 3D 2024.4
Update

Environment:

MDT Civil 3D State Kit
r2022 v1.25

MDT Civil 3D State Kit
r2024 v2.0.0

Released/Revised:

9/3/2024

SUPPORT

MDT Engineering
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https://montana.service-now.com/citizen?id=sc_cat_item&sys_id=13ac75551bc1091049e0ed3ce54bcb3d

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PROCEDURES:

Custom User Palettes

A user palette is delivered with the MDT Civil 3D State Kit to allow for user palette content to be created and stored safe from state kit updates. The following guides provide further information to help with making use of the user tool palettes.

See [MDT Civil 3D State Kit User Tool Palettes – Release 2022](#) for MDT Civil 3D State Kit release 2022 user palette reference.

See [MDT Civil 3D State Kit User Tool Palettes – Release 2024](#) for MDT Civil 3D State Kit release 2024 user palette reference.

These guides are also accessible from the delivered “Main” user palette within Civil 3D.

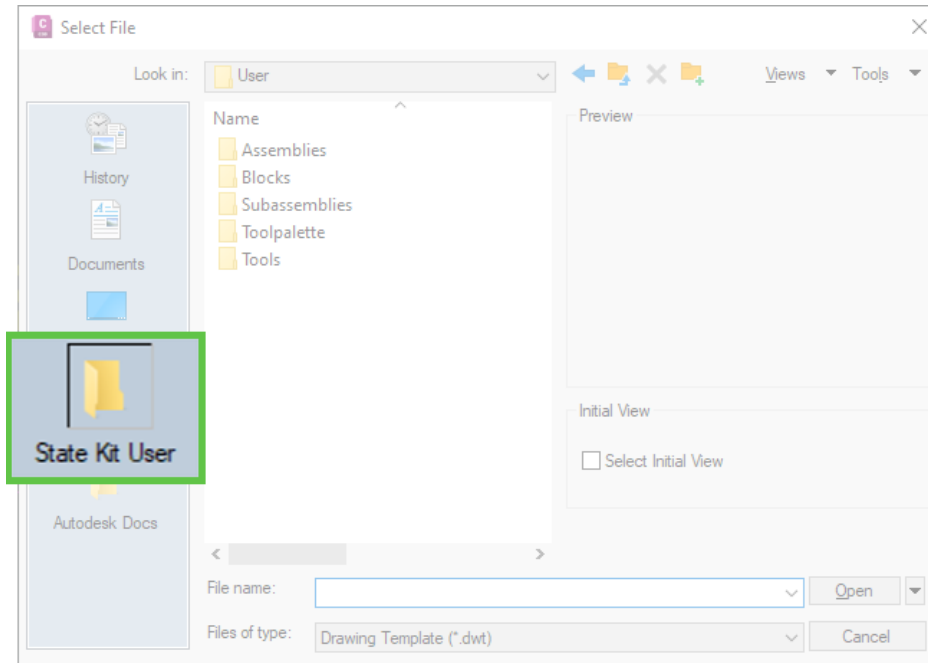
- 1) *Open* Civil 3D using the “Civil 3D 2024 Montana” shortcut.
- 2) *Open* existing drawing file or *create* new drawing file.
- 3) Access the **USER PALETTE GROUP** tool palette (*MDT Tools ribbon > MDT Palettes panel > User Palette Group tool*).
- 4) The User Tool Palette group will open in the Tool Palettes menu. Click **USER TOOL PAlettes HELP** to access guidance for use of the user tool palettes saved to the User folder.

Storing Other Content

- 1) *Install* **MDT CIVIL 3D STATE KIT** using the MDT State Kit Updater if not previously installed.
- 2) *Open* **FILE EXPLORER**.
- 3) *Navigate* to C:\mdoh\StateKit\Civil 3D\User.
- 4) *Review* **README.TXT** within each subfolder for suggested use.
- 5) *Save or relocate* customized content to the User folder.

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Tip: Within Civil 3D a shortcut to the Users folder is prepared in the places list.



Storing Non-PKT Subassemblies

- 1) Open **FILE EXPLORER**.
- 2) Copy any user customized subassembly files to BIM 360 (or identified document management system for consultants external to MDT) for storage with project files.
 1. Navigate to **C:\PROGRAMDATA\AUTODESK\C3D 2022\ENU\IMPORTED TOOLS**.

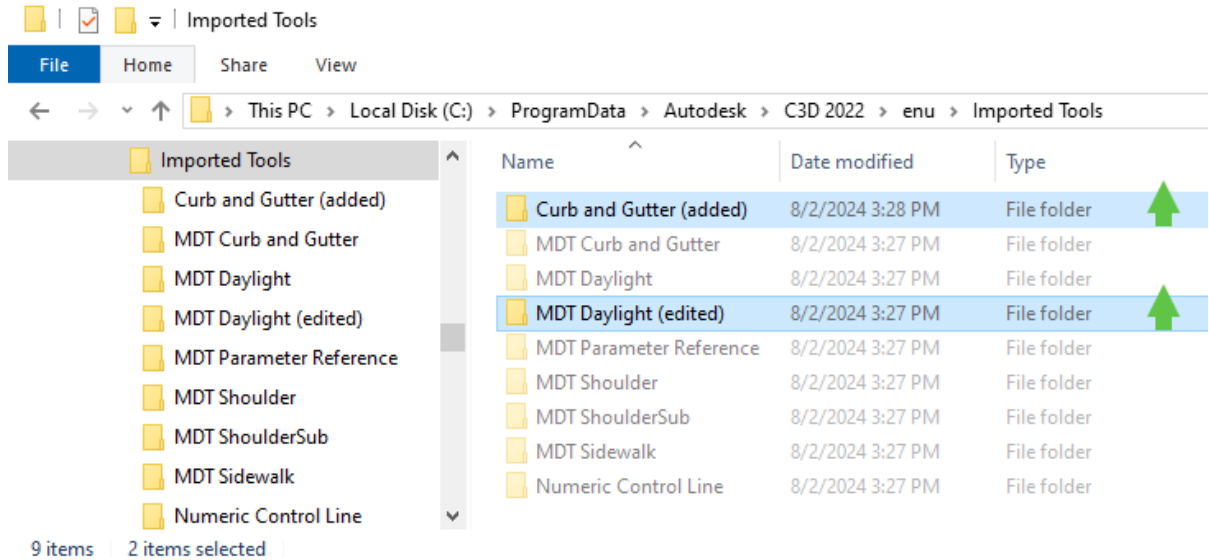
Note: The “C3D 2022” folder is relative to the Civil 3D version installed.

2. Copy any edited or added folders.

Note: MDT Civil 3D State Kit delivered non-PKT subassembly files will continue to be delivered with MDT Civil 3D State Kit r2024 versions.

Note: Edited or added folders and content would include any new or edited PKT files prepared in the Subassembly Composer and imported on a tool palette by a user subsequent to any state kit installation. Opening the Civil 3D tool palette(s) where user customized subassemblies were imported and reviewing the properties will reveal the folder path(s) if unsure what folders need to be copied.

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3. Navigate to the **AUTODESK DOCS** (or identified document management system for consultants external to MDT) project directory path for the project that subassemblies were applied to and *open* the appropriate Folder, e.g. RD or SA.

Note: Multiple copies may be needed to achieve a copy for each project the subassemblies were applied. This will also serve to have an accessible copy for alternate design team members working on the project(s).

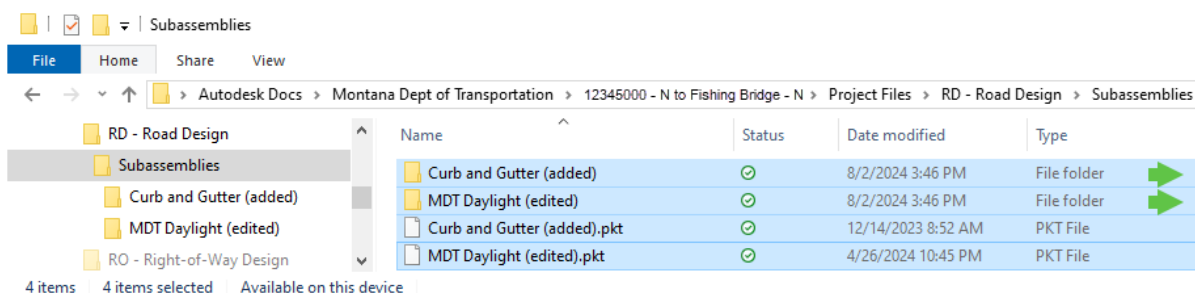
4. Create folder “Subassemblies” if not already present.
5. Paste the previously copied, edited, or added folders.

Note: Saving the source PKT file(s) and ATC palette file(s) used to import the subassemblies resulting in the non-PKT subassembly files to the same project “Subassemblies” folder(s) is highly recommended. See “[Custom User Palettes](#)” section above for further information on possible locations to find these files.

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- 3) Locating a copy of non-PKT subassembly files in the above-mentioned “Imported Tools” folder is necessary for design use.
1. Copy non-PKT subassembly folders and content previously added to BIM 360 (or identified document management system for consultants external to MDT) to the **C:\PROGRAMDATA\AUTODESK\C3D 2024\ENU\IMPORTED TOOLS** folder.

Note: The “C3D 2024” folder is relative to the Civil 3D version installed.



Important! If user content was not saved in the User folder (or copied to the project folder in BIM 360 for subassembly files) and needs to be relocated, review these commonly customized content locations. Content in these locations **will be deleted** with Civil 3D upgrades and MDT Civil 3D State Kit updates:

Content	Path
Non-PKT Subassemblies	C:\ProgramData\Autodesk\C3D 2022\enu\Imported Tools C:\ProgramData\Autodesk\C3D 2024\enu\Imported Tools
PKT Subassemblies	C:\mdoh\StateKit\Civil 3D\2024\Subassemblies
Assembly Drawings	C:\mdoh\StateKit\Civil 3D\2022\Assemblies C:\mdoh\StateKit\Civil 3D\2024\Assemblies
Start Templates	C:\mdoh\StateKit\Civil 3D\2022\Templates_Start-Dwg C:\mdoh\StateKit\Civil 3D\2024\Templates_Start-Dwg
Reference Templates	C:\mdoh\StateKit\Civil 3D\2022\Templates\Reference C:\mdoh\StateKit\Civil 3D\2024\Templates\Reference
Block Libraries	C:\mdoh\StateKit\Civil 3D\2022\Blocks C:\mdoh\StateKit\Civil 3D\2024\Blocks
Autodesk Default Save	C:\Users\u0679\AppData\Roaming\Autodesk\C3D 2022 C:\Users\u0679\AppData\Roaming\Autodesk\C3D 2024
Autodesk Default Save	C:\Users\u0679\AppData\Local\Autodesk\C3D 2022 C:\Users\u0679\AppData\Local\Autodesk\C3D 2024

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LINKS:

[Managing Subassembly Reference Files \(PKT\) in a DWG and for Projects:](https://www.mdt.mt.gov/other/webdata/external/esdc/library/ManagingSubs.pdf)

<https://www.mdt.mt.gov/other/webdata/external/esdc/library/ManagingSubs.pdf>

[MDT Civil 3D State Kit User Tool Palettes – Release 2022](https://www.mdt.mt.gov/other/webdata/external/ESDC/library/2022StateKit-UserPalettes.pdf)

<https://www.mdt.mt.gov/other/webdata/external/ESDC/library/2022StateKit-UserPalettes.pdf>

[MDT Civil 3D State Kit User Tool Palettes – Release 2024](https://www.mdt.mt.gov/other/webdata/external/ESDC/library/StateKit-UserPalettes.pdf)

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