MDT Civil 3D State Kit Development

4/17/2024

A CADD Application Enhancement/Work Request may be submitted for new MDT Civil 3D State Kit development needs. Use the Submit a Request link on the **Engineering Apps & Resources** web page. MDT internal users may go to MDT Service Desk > Make a Service Request. Approved MDT Civil 3D State Kit requests will proceed through the following sequence leading to deployment. The status of each open request is reported below.

For Review > For Assignment > In Development > Testing

For Review (81)   For Assignment (16)   In Development (25)   Ready for Testing / Testing (2)   State Kit N/A (6)

Civil 3D Version	Component (Version)	Target Date	Issue	Remarks	Status
2024.4	State Kit (v2.0)	08/30/24	AutoCAD Profile Settings - Action Recorder Priority: HIGH, Complexity: SIMPLE The 2024 State Kit will leverage Actions Recordings (action macros).The Action Recorder UI does not allow a user to browse to a location on-the-fly to run or save action macros. These filepaths need to be pre-set in the AutoCAD profile.	Email Task Team	**Ready for Testing**
2024.4	State Kit (v2.0)	08/30/24	Move State Kit content out of Autodesk default locations (Part 3) Priority: MEDIUM, Complexity: MODERATE Consider consultant's installation/config and avoid stomping on any files in default Autodesk files or folders.Candidates for moving:- Survey database settings- Subassemblies- Corridor Design Standards (Design Criteria File)	Email Task Team	**Ready for Testing**
2024.4	State Kit (v2.0)	08/30/24	2024 Upgrade State Kit Updates Priority: HIGH State Kit preparation for 2024 upgrade is required.	Email Task Team	**In Development**
2024.4	State Kit (v2.0)	08/30/24	Admin Template Update Priority: LOW, Complexity: SIMPLE Templates require local updates from BIM 360 before proceeding with development tasks.	Email Task Team	**In Development**
2024.4	State Kit (v2.0)	08/30/24	Assembly "start" Template Priority: HIGH, Complexity: SIMPLE Is there a need for a basic, clean assembly "start" Template (like x-mdt-build.dwt) with specific styles, to create assembly DWGs.	Email Task Team	**In Development**

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2024.4	State Kit (v1.24.1)	05/10/24	Convert Corridor Feature Lines Priority: HIGH, Complexity: MODERATE Command/Workflow needed to convert corridor created feature lines into 3D polylines and place them on specific layers. The names of the layers should be the names of the point codes from the subassembly that the feature lines were created from.	Email Task Team	**In Development**
2024.4	State Kit (v2.0)	08/30/24	Layers for Surface Styles Priority: HIGH The contours in the styles are set to "0" layer with a color override this hinders any ability to control plot weight.	Email Task Team	**In Development**
2024.4	State Kit (v2.0)	08/30/24	MDT ConnectSurfaceSlopeLinks Subassembly Priority: MEDIUM, Complexity: SIMPLE Need to create a preliminary or setup surface derived from targeting and sampling an existing surface at offset locations on the right and or left side or that may be used to attach other subassemblies on as a final corridor.	Email Task Team	**In Development**
2024.4	State Kit (v2.0)	08/30/24	MDT Lane Subassembly Priority: MEDIUM, Complexity: MODERATE Need to expose point, link, and shape codes. Need lane features and simpler superelevation method besides using Autodesk AOR (axis of rotation).	Email Task Team	**In Development**
2024.4	State Kit (v2.0)	08/30/24	MDT OffsetOnSurfaceLink Subassembly Priority: MEDIUM, Complexity: SIMPLE Need an subassembly that can acquire an offset point on a surface from an subassembly's attachment point.	Email Task Team	**In Development**
2024.4	State Kit (v2.0)	08/30/24	MDT Ribbon GUI WisDOT Content [Ribbon Content, Ribbon Content-Profile Control Editor] Priority: HIGH, Complexity: COMPLEX Several WisDOT Civil 3D tools need to be delivered to users as they become available.	Email Task Team	**In Development**
2024.4	State Kit (v2.0)	08/30/24	MDT SlopeToSurfaceLink Subassembly Priority: MEDIUM, Complexity: SIMPLE Need basic cut and fill link subassembly to define a daylight point on a surface. A daylight foreslope link between the insertion point and the daylight point is created.	Email Task Team	**In Development**

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2024.4	State Kit (v2.0)	08/30/24	Profile View Band Styles Priority: MEDIUM, Complexity: SIMPLE Profile view band styles (Profile Data subset) need to be updated so that the full major station is shown (i.e., reads as 250+00 rather than the current 250)	Email Task Team	In Development
2024.4	State Kit (v2.0)	08/30/24	Reset MDT State Kit Profile Enhancements Priority: MEDIUM, Complexity: MODERATE Error encountered when the MDT profile is deleted then Reset MDT State Kit Profile is used.	Email Task Team	In Development
2024.4	State Kit (v2.0)	08/30/24	Retain User Profile Settings w/State Kit Updates Priority: LOW, Complexity: COMPLEX <<MDT>> profile settings are wiped out when updating the State Kit. This is by design, to ensure required State Kit settings are loaded. Some profile settings can be set by the user, but cannot be saved before an update. Need a method to save a user's profile settings before an update and restore those settings after an update.	Email Task Team	In Development
2024.4	State Kit (v2.0)	08/30/24	Ribbon Tabs "Fall Off-Screen" Priority: HIGH, Complexity: SIMPLE Ribbon tabs fall "off-screen" into drop down menu requiring additional effort to access tools. MDT custom ribbon tabs may not appear "on-screen" by default.	Email Task Team	In Development
2024.4	State Kit (v2.0)	08/30/24	Sheet Set Manager Settings Priority: HIGH, Complexity: SIMPLE New sheet set manager behavior in 2024.If a DST file is opened from a cloud location the "Sheet Set Manager for Web" will open instead of what Autodesk is now calling the "Legacy" Sheet Set Manager. The SSM for Web is also set to open by default for local files.As of 03/24/2024 SSM for Web currently has unresolved bugs and issues that affect functionality.Should the default SSM open behavior in the State Kit be set to something else?	Email Task Team	In Development

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2024.4	State Kit Updater (v2024.0.0.x)	08/30/24	MDT State Kit Updater Priority: HIGH, Complexity: COMPLEX 1. Various enhancements have been added to the WisDOT updater. Incorporate these enhancements in the MDT updater.2. Some dialog boxes still say "StateKit" instead of "State Kit".3. Consider Civil 3D update version compatibility warning or disclaimer during state kit install4. The MDT profile doesn't get deleted with state kit installations.5. MDTStatekit.txt (C:\ProgramData\Autodesk\ApplicationPlugins\MDTSK2022.bundle\Content\MDTStatekit.txt) overwrite as FALSE reports as ERRORS in update log (%Temp%\Montana Department of Transportation\MDT State Kit Updater\MDT State Kit Updater.log).	Email Task Team	**In Development**
2024.4	State Kit (vX.XX)	TBD	Block Layers and Fonts: HY-Details [Hydraulic Detail Block Layer Use] Priority: LOW, Complexity: MODERATE Block layers don't follow layer naming convention or use Arial font.	Email Task Team	**In Development**
2024.4	State Kit (vX.XX)	TBD	Default Annotation Scale List Priority: MEDIUM, Complexity: MODERATE 1. Prepopulate the default annotation scale list with only scales that MDT uses.2. Add Scale list dialog box shows architectural values in dropdown menu, but adds correct engineering scales when default scale list is added with reset button.	Email Task Team	**In Development**
2024.4	State Kit (vX.XX)	TBD	Edit MDT Alignments.xmpa Font Heights Priority: LOW, Complexity: SIMPLE Revise font heights in MDT Alignments.xmpa style to match heights established in State Kit.	Email Task Team	**In Development**
2024.4	State Kit (vX.XX)	TBD	Shoulder Widening Subassembly Priority: HIGH, Complexity: SIMPLE Need for more control over the different shoulder slopes in MDT Widening assembly.	Email Task Team	**In Development**

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2024.4	State Kit (vX.XX)	TBD	Update default swath widths for sample line groups Priority: MEDIUM, Complexity: SIMPLE Default swath widths need to be updated to 140.000' to support cross sections process and so that the section views will be centered within the layouts.	Email Task Team	In Development
2024.4	State Kit (vv2.0)	08/30/24	Profile view styles for split profiles Priority: MEDIUM, Complexity: SIMPLE Profile view styles need to be developed and added to the state kit for a split profile.	Email Task Team	In Development
2024.4	State Kit (vv2.0)	08/30/24	RD-Typical.dwg block library edits Priority: MEDIUM, Complexity: SIMPLE Dimension line breaks should be added around the full width dimensions to increase readability in the the typical dimension (T-Dimensions) block.The T-TablesQtyStaLabel block should be edited to be a better example for all designers.	Email Task Team	In Development
2024.4	State Kit (vX.XX)	TBD	State Kit Documentation Priority: MEDIUM New/updated 2022 state kit documentation. Documents to be created with Montana "branded" template.	Email Task Team	In Development
2024.4	State Kit (vX.XX)	TBD	State Kit Files Map Priority: HIGH, Complexity: MODERATE Need a map charting contents of state kit files.	Email Task Team	In Development
2024.4	State Kit (v2.0)	08/30/24	Generic Pole Survey Block Priority: HIGH, Complexity: SIMPLE A generic pole block is needed for photogrammetry surveys.	Email Task Team	For Assignment
2024.4	State Kit (vX.XX)	TBD	Proposed Line Types Priority: MEDIUM, Complexity: MODERATE Proposed line types for some proposed features are not available.	Email Task Team	For Assignment

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2024.4	State Kit (v2.0)	08/30/24	R/W View Frame Styles [R/W Viewport limits and View Frame Styles - State Kit needs, R/W View Frame Limits, View Frame Styles] Priority: MEDIUM, Complexity: SIMPLE R/W plans have a wider vertical plan area than referenced in plan and profile sheets. A method is needed to show reference lines to place plan and profile consumable data while maintaining wider view frame lines for r/w sheets.	Email Task Team	**For Assignment**
2024.4	State Kit (v2.0)	08/30/24	Blocks to Palettes Priority: MEDIUM, Complexity: MODERATE The blocks for sheet layouts are in a DWT file in the reference folder and not convenient to access.	Email Task Team	**For Assignment**
2024.4	State Kit (v2.0)	08/30/24	Concrete Pattern Visibility Priority: MEDIUM, Complexity: SIMPLE The concrete pattern needs to be more visible.	Email Task Team	**For Assignment**
2024.4	State Kit (v2.0)	08/30/24	PNEZD+Sta/Off Point Table Style Priority: MEDIUM, Complexity: COMPLEX Need a COGO point table showing PNEZD and Sta/Off.	Email Task Team	**For Assignment**
2024.4	State Kit (vX.XX)	TBD	Block Layers and Fonts: EL-Standard Details [Electrical Detail Block Layer Use] Priority: LOW, Complexity: COMPLEX Block layers don't follow layer naming convention or use Arial font.	Email Task Team	**For Assignment**
2024.4	State Kit (vX.XX)	TBD	Block Layers and Fonts: Layouts Priority: LOW, Complexity: COMPLEX Block layers don't follow layer naming convention or use Arial font.	Email Task Team	**For Assignment**
2024.4	State Kit (vX.XX)	TBD	Block Layers and Fonts: RD-Notes Priority: LOW, Complexity: COMPLEX Block layers don't follow layer naming convention or use Arial font.	Email Task Team	**For Assignment**
2024.4	State Kit (vX.XX)	TBD	Block Layers and Fonts: RD-Typicals Priority: LOW, Complexity: COMPLEX Block layers don't follow layer naming convention or use Arial font.	Email Task Team	**For Assignment**

MDT Civil 3D State Kit Development

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2024.4	State Kit (vX.XX)	TBD	Block Layers and Fonts: RW-Plans Priority: LOW, Complexity: COMPLEX Block layers don't follow layer naming convention or use Arial font.	Email Task Team	**For Assignment**
2024.4	State Kit (vX.XX)	TBD	Block Layers and Fonts: SU-Cadastral Priority: LOW, Complexity: COMPLEX Block layers don't follow layer naming convention or use Arial font.	Email Task Team	**For Assignment**
2024.4	State Kit (vX.XX)	TBD	Feature Line Styles Display Priority: LOW, Complexity: SIMPLE Display of 3D line types isn't complete through short segments.	Email Task Team	**For Assignment**
2024.4	State Kit (v2.0)	08/30/24	R/W Sheet SPC Note Priority: LOW, Complexity: MODERATE Limited space is available for the state plane coordinate note on r/w sheets. The sheet border sheet description area (upper right) will allow a consistent location requiring removal of the text field for r/w sheets.	Email Task Team	**For Assignment**
2024.4	State Kit (v2.0)	08/30/24	Utility Plan Layer State Priority: LOW, Complexity: SIMPLE Layer state is needed to plot color utility plans.	Email Task Team	**For Assignment**
2024.4	State Kit (v2.0)	08/30/24	Fiber, Phone, TV Overhead Line Types Priority: LOW, Complexity: SIMPLE Existing overhead fiber and phone lines won't be used as they aren't surveyed with unique feature codes.	Email Task Team	**For Assignment**
2024.4	State Kit (v2.0)	08/30/24	Import Extended Survey Attributes Priority: HIGH Import Extended Survey Attributes tool isn't compatible with Civil 3D 2024.	Email Task Team	**For Review**
2024.4	State Kit (v2.0)	08/30/24	Update XS layouts Priority: HIGH, Complexity: SIMPLE Sheet description on cross sections sheets needs to display as "CROSS SECTIONS". Updating the numerous sheets is tedious.	Email Task Team	**For Review**

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2024.4	State Kit (v2.0)	08/30/24	Excel Tools Priority: HIGH Excel is used for summary and ownership table data to be inserted into drawing files. Need a location and delivery method within or separate from the state kit.	Email Task Team	For Review
2024.4	State Kit (v2.0)	08/30/24	Creation of an engineer's stamp - Megan Cail Priority: HIGH, Complexity: SIMPLE Plans production engineer stamp for Megan Cail is needed.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Exhibit FHWA/MDT APPROVAL and MAP REVISED dates Priority: HIGH FHWA/MDT APPROVAL and MAP REVISED dates are displayed on the Right-of-Way exhibit sheet.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Traffic Investigations Map Content Priority: MEDIUM, Complexity: COMPLEX Transportation commission traffic investigations maps require state kit development to be completed in Civil 3D.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Alignment Command Settings Priority: MEDIUM Alignment command settings are needed to set default layers and styles.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	MDT Civil 3D Subassembly and Assembly Guide-Smooth Transitions Priority: MEDIUM MDT Parameter Reference can be leveraged with using profiles to create smooth transitions in corridors. Documentation updates are needed to clarify this.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	PDF Options Priority: MEDIUM Civil 3D PDF quality options are higher than Bentley PDF options resulting in larger pdfs. Civil 3D MDT PDF (General Documentation).pc3 PDF Options include all data options.	Email Task Team	For Review

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2024.4	State Kit (vX.XX)	TBD	MDT C3D Styles Coordination-Profile View Styles/Command Settings Priority: MEDIUM Need Profile View Styles for profiles to support MDT processes.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Alignment and Profile Design Check Styles Priority: MEDIUM Need Design Check Styles for profiles to support MDT processes.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Bentley Layer Translator-Road Design Priority: MEDIUM Files converted from DGN to DWG are not appropriately mapping Bentley levels to new Civil3D layer names for Road Design Data.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Release TBD - Bentley Layer Translator-Signing Priority: MEDIUM Files converted from DGN to DWG are not appropriately mapping Bentley levels to new Civil3D layer names for Signing Data.	Email Task Team	For Review
2024.4	State Kit (v2.0)	08/30/24	Right of Way Blocks Priority: MEDIUM Additional R/W blocks are needed in the State Kit.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	R/W Labels II [R/W Area Note Label] Priority: MEDIUM Additional labels for right-of-way plan production processes are needed for labeling the railroad station independent of the the acquisition label, construction permit and easement labels without a station, and to label areas. Also, ROW label leader lines are difficult to shorten.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Storing/Running Dynamo Scripts in State Kit Priority: MEDIUM Need file locations, content/runtime framework, supporting files, default settings, and documentation to store/run Dynamo scripts in State Kit.- Dynamo/Python scripts (.dyn/.py)	Email Task Team	For Review

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2024.4	State Kit (vX.XX)	TBD	Section Views - Add Labels and Dynamo Scripts to State Kit for Pipe Networks Priority: MEDIUM Add Dynamo scripts and supporting pipe label styles to State Kit to label pipe networks in section views.	Email Task Team	For Review
2024.4	State Kit (v2.0)	08/30/24	Sign Design Calc Sheets Priority: MEDIUM Signing sign design calculation sheets require template for sheet creation.	Email Task Team	For Review
2024.4	State Kit (v2.0)	08/30/24	MDT C3D Styles Coordination-Multileader Styles Priority: MEDIUM Multileader styles need edits with dimension styles for consistency.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Beg/End Acquisition Label Rotation Priority: MEDIUM Application of label styles MDT ROW-Acq (Beg) and MDT ROW-Acq (End) results in the label rotation not displaying correctly when view is rotated.	Email Task Team	For Review
2024.4	State Kit (v2.0)	08/30/24	Plan Set Development Expediency Priority: MEDIUM Preparing typical and summary sheet files requires repetitive work.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Alignment Feature Settings Priority: MEDIUM, Complexity: SIMPLE Alignment feature settings default values need to be set.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Pipe Network Default Parts Priority: MEDIUM Default parts aren't consistent. Default parts from DRNG parts list (Null Structure/12" RCP) are loaded in Network Layout Tools when creating or editing a pipe network. Reloading the parts list from within the Network Layout Tools dialog defaults Concentric Cylindrical Structure/15" RCP.	Email Task Team	For Review

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2024.4	State Kit (vX.XX)	TBD	Corrections to Parts Catalog Priority: MEDIUM The wall thicknesses of the CSP pipes do not match the detailed dwgs. The CSP Arch pipes show wall thicknesses that are inches thick. The circular pipes show wall thicknesses that are thin, but do not match the detailed dwg. The circular pipes appear to have the right wall thickness options.Concrete Arch pipes have a floating anchor point that corresponds to the invert elevation in the pipe properties. However, the location of the floating anchor point is between the inside and outside wall. It should be flush with the inside wall.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Urban Scale Label Styles Priority: MEDIUM Label style scales aren't available for urban plan production.	Email Task Team	For Review
2024.4	State Kit (v2.0)	08/30/24	Proposed Layers Printing Grey Priority: MEDIUM The layers c-road-pvmt and c-swlk are printing grayscale because the layer colors are assigned 253 and 252 in the State Kit.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Change system variable for OLEFRAME Priority: MEDIUM, Complexity: SIMPLE OLEFRAME variable currently set to <1> but should be set to <2>.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Color and Grayscale CTB Files Priority: MEDIUM MDT - Grayscale.ctb, MDT - Color.ctb, and MDT - AllColor.ctb are carried over from the 2021 pre-release state kit. These CTB (plot style table) files have no identified function.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	_MDT-Subassembly All Codes Label Scaling Priority: MEDIUM Labels don't scale for _MDT-Subassembly All Codes code set style.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Cross Section Rename and Renumber Priority: MEDIUM Cross sections sheet sets can have more than 500 sheets. The rename and renumber tool within the sheet set manager requires manually typing every sheet number.	Email Task Team	For Review

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2024.4	State Kit (v2.0)	08/30/24	Junction Structures without Frames Priority: MEDIUM MDT part catalog includes structures categorized under "Junction Structures without Frames". These structure parts are delivered in the state kit within folder "Junction Structure without Frames". This conflict is known to cause errors in some circumstances.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Electrical Layer Colors Priority: MEDIUM The colors for E-CNDT-E and E-DEVC-SYMB-E are currently too dark.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Alignment styles needed for R/W linework Priority: MEDIUM R/W needs alignment styles to support their new workflow.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Disable Hardware Acceleration Priority: MEDIUM Hardware acceleration disabled notices are displaying within Civil 3D during design work.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Access Control Line Types Priority: MEDIUM, Complexity: MODERATE The access control line types include new r/w line symbology, access control symbols are too far apart, and color blue.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Feature References Priority: MEDIUM Feature references need to use the construction surface references.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Label Styles Priority: MEDIUM MDT process label styles are needed.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Layer Filter for Existing Utilities Priority: MEDIUM A layer filter is needed for existing utilities.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Line Type/Block Plotting Priority: MEDIUM Line types and blocks don't always plot as desired requiring review and adjustment for desired plotting results.	Email Task Team	For Review

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2024.4	State Kit (vX.XX)	TBD	MDT C3D Styles Coordination-Corridor Styles/Command Settings Priority: MEDIUM Existing corridor style needs to be edited for MDT processes.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	R/W Layout Updates-Associated Projects Priority: MEDIUM Associated Project block displays R/W, IC, and PE numbers. Showing a P.E. number only is customary in R/W.	Email Task Team	For Review
2024.4	State Kit (v2.0)	08/30/24	R/W Layout Updates-Scale Priority: MEDIUM R/W plan sheet require a sheet scale.	Email Task Team	For Review
2024.4	State Kit (vv2.0)	08/30/24	R/W Layout Updates-Title Sheet View Port [R/W Layout Updates-View Port] Priority: MEDIUM A viewport for design model is needed to reference map from road design.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Sewer Parts Catalog Priority: MEDIUM A sewer parts catalogue is needed for modeling potential conflicts.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Sheet Scale Priority: MEDIUM Sheet layout scales don't support Road Design standard scales.	Email Task Team	For Review
2024.4	State Kit (v2.0)	08/30/24	Survey Block Annotation Priority: MEDIUM Survey blocks aren't annotative and some vary in size when processed from csv.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Code Sets-TBC Export Priority: MEDIUM Code Set Styles are needed to support TBC export processes.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Note Label Styles Priority: MEDIUM Label style needed to label northing/easting of a polyline.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Profile View Styles - Scales Priority: MEDIUM, Complexity: SIMPLE Need profile view styles for additional scales.	Email Task Team	For Review

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2024.4	State Kit (vX.XX)	TBD	Sheet Set Properties Non-SSM Fields Priority: MEDIUM, Complexity: MODERATE Non-SSM fields are populated in the Sheet Set Properties.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	08/30/24	Title Sheet Project ID Priority: MEDIUM The sheet set manager doesn't manage the title sheet project ID number.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	MSOLESCALE System Variable Priority: MEDIUM MSOLESCALE system variable is set to 1 at startup.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Layer for Existing Highway Easement Priority: MEDIUM New layer needed for existing highway easement.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Acre LSP file Priority: MEDIUM Need to have functionality to measure areas in acres.	Email Task Team	For Review
2024.4	State Kit (v2.0)	08/30/24	Autosave Options Priority: MEDIUM Autosave causes crashes.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Hydraulics Profile View - Object Style Priority: MEDIUM Hydraulics requires a screened grid profile view style.	Email Task Team	For Review
2024.4	State Kit (v2.0)	08/30/24	North Arrow on Layouts Priority: MEDIUM, Complexity: SIMPLE Need a dynamic north arrow with view port link.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	North Arrow Attributes Priority: MEDIUM The North arrow is referencing a township in the sheet set but there is not a property for township in the sheet set.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Pipe Network Label Edits Priority: MEDIUM More label styles are needed for pipe networks, specifically for plan and profile production.	Email Task Team	For Review

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2024.4	State Kit (vX.XX)	TBD	Create block for begin and end project labels for PLP sheets Priority: MEDIUM, Complexity: SIMPLE A block is needed for the beginning and end of a project for plan and profile sheets.	Email Task Team	For Review
2024.4	State Kit (v2.0)	08/30/24	Erosion Control Surface Styles Priority: MEDIUM, Complexity: SIMPLE Erosion control surface styles need to display grey scale.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Change Layer Attributes-R/W Priority: MEDIUM R/W layer attributes need to be updated to match r/w standards.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Geotextile Linetype Enhancement Priority: MEDIUM The hatches on the geotextile linetype (MDT_GEOTEXT) are difficult to see, display is too light.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Block Layers and Fonts: EL-Plan Priority: LOW, Complexity: COMPLEX Block layers don't follow layer naming convention or use Arial font.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Land Survey Symbol Masking Priority: LOW Land Survey symbols require masking of linework beneath symbol.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Layer States Priority: LOW Layer states to support discipline processes are needed.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	View Frame Sheet Template Folder Navigation Priority: LOW View frame sheet templates folder location requires user to navigate backwards in the folder structure to select a file when using the Create View Frame wizard.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Corridor Section Editor Default Settings Priority: LOW Corridor Section Editor needs default settings and a new default Code Set Style.	Email Task Team	For Review

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2024.4	State Kit (v2.0)	08/30/24	Copy to Multiple Layouts Tool Priority: LOW Including identical custom information on multiple sheets can be tedious. Providing a method that would automate this task is beneficial to productivity.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Filters for XREF Layers Priority: LOW XREF layers are not filtered	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	R/W Palettes - 50, 100, 200 & Annotative Priority: LOW Right-of-way palettes for workflow processes are desired for efficiency.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Update Project Design Data Block Priority: LOW, Complexity: SIMPLE Design data block on title sheet needs more clarification on items, specifically design speed, ESALs, and growth rate.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Plan Sheet Plot Date Priority: LOW Plan sheets have a date and time in the bottom right corner. Upon plotting, the date doesn't update.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Section view label needed for existing ground crown elevation Priority: LOW A label style is needed for labeling the existing ground at the crown of the existing centerline in a section view.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Layer Color Conflicts Priority: LOW Color discrepancies and clashing are identified.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Pressure Network SSA Error Priority: LOW Storm and Sanitary Analysis is throwing errors when attempting to import a Civil3D .dwg file.	Email Task Team	For Review

Civil 3D Version	Component (Version)	Target Date	Issue	Remarks	Status
2024.4	State Kit (vX.XX)	TBD	Custom MDT Workspace(s) Priority: LOW Further evolution of the MDT State Kit UI beyond custom tool palettes and custom ribbon tabs could include custom workspaces.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Cadastral Survey Seal Priority: LOW MDT_SEAL_BLOCK design isn't usable for cadastral surveys.	Email Task Team	For Review
2024.4	State Kit (v2.0)	08/30/24	Storing/Running Automation Tools in State Kit Priority: LOW, Complexity: COMPLEX Need file locations, content/runtime framework, supporting files, default settings, and documentation to store/run automation tools in State Kit.- Action Recorder files (.actm)- AutoCAD scripts (.scr)- AutoLISP routines (.lsp/.vlx)	Email Task Team	For Review
2024.4	State Kit (vX.XX)	TBD	Existing Fiber Optic Linetype Description Priority: LOW Linetype MDT_FO_OH_E linetype description incorrectly references proposed - Fiber Optics - Overhead - Proposed.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	N/A	Subassembly Side Assignment Unable to get a subassembly component to flip to the opposite side when including the MDTParameterReferences in the assembly.	Email Task Team	For Review
2024.4	State Kit (vX.XX)	N/A	Indirect/Related - MDT Daylight Subassembly Documentation Priority: MEDIUM, Complexity: SIMPLE Some parameter definitions are missing/need clarification for MDT Daylight subassembly in the MDT Civil 3D Subassembly and Assembly Guide.	Email Task Team Clarification added to MDT Civil 3D Subassembly and Assembly Guide for MDT Daylight subassembly.	State Kit N/A
2024.4	State Kit (vX.XX)	N/A	Indirect/Related - Cut/Fill Report unsorted Priority: LOW Cut/Fill report columns can't be sorted and produce a report with the surface volumes out of order.	Email Task Team CutFillreport.xsl edited to include sort select by name code: 1) add <xsl:sort select="@name "/> as line 53. Updated on MDT machines only - not included in MDT Civil 3D State Kit. [https://forums.autodesk.com/t5/civil-3d-forum/civil-3d-volumes-dashboard-sort-columns-alphabetically/m-p/6577977/highlight/true#M312853](https://forums.autodesk.com/t5/civil-3d-forum/civil-3d-volumes-dashboard-sort-columns-alphabetically/m-p/6577977/highlight/true#M312853 "smartCard-inline")	State Kit N/A

Civil 3D Version	Component (Version)	Target Date	Issue	Remarks	Status
2024.4	State Kit (vX.XX)	N/A	Indirect/Related - Volume report-Select Material sheet style Priority: LOW Civil 3D won't read the select material.xsl sheet style.	Email Task Team Mass Haul - Multiple Materials.xsl and Select Material.xsl (default location: C:\ProgramData\Autodesk\C3D 2022\enu\Data\Quantities Report Style Sheets\xsl) require updates per Release Notes for Autodesk® Civil 3D® 2022.2.1 - [https://help.autodesk.com/view/CIV3D/2022/ENU/?guid=Civil3D_ReleaseNotes_2022_2_1_Release_Notes_html](https://help.autodesk.com/view/CIV3D/2022/ENU/?guid=Civil3D_ReleaseNotes_2022_2_1_Release_Notes_html "smartCard-inline"). This patch deployed on MDT machines only. No MDT Civil 3D State Kit updates required.	**State Kit N/A**
2024.4	State Kit (vX.XX)	N/A	No Action - Related Projects box on Title Sheet Title sheet Related Projects box doesn't support multiple project entries.	Email Task Team The related projects block does allow for multiple project/multi-line entries. This is accomplished within the Enhanced Attribute Editor using the "Open Multiline Editor" ellipsis button to the right of the Value field.	**State Kit N/A**
2024.4	State Kit (vX.XX)	N/A	No Action - Transparent Commands OSnap Settings After a transparent command is used the OSnap settings are turned off.	Email Task Team OSnap settings aren't turned off when using transparent commands with Civil 3D 2024.	**State Kit N/A**
2024.4	State Kit (vX.XX)	N/A	No Action - Rehab Tools not Working w/State Kit Rehab Manager (Rehab Corridor Editor tab) doesn't work with a rehab corridor. It should open the Rehab Reports dialog.- Rehab Reports dialog loads in Imperial Civil 3D 2022 Imperial- Failure response in Civil 3D 2022 Montana State Kit. - Response: "Failed to start rehab manager. The region does not have a target surface.", - When setting target - Warning: "No target found in the scripts."- When attempting to create corridor by the setting number of lanes, the application crashes.	Email Task Team Rehab Manager works properly without crashing in Civil 3D 2024.	**State Kit N/A**