

KNOWN ISSUES – UNDER DEVELOPMENT

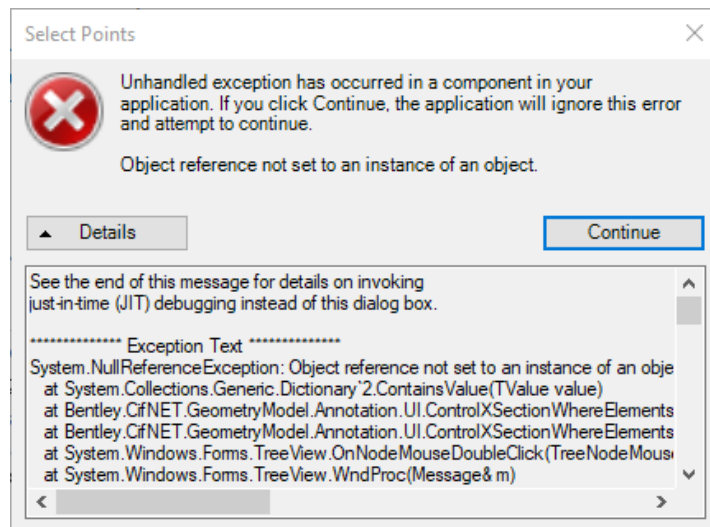
The Pennsylvania Turnpike Commission’s (PTC) recognizes the following items as issues with either the software or standards content. These issues are under development with either the next standard release/update or next version of the software. The resolutions will be forth coming with the next cycle of standards release and this document will be updated if further issues are uncovered with the standard implementation on projects.

All Software

- Drainage and Cross Sections
 - When leveraging 3D models of drainage facilities (inlets, manholes, pipes etc.) and/or utilities, cross sections will cut the section as is – preventing any projection of the facility in 2D representation. The drainage facility may be shown as skewed, uninterpretable, etc. as the software models the drainage facility realistic to its 3D object.
 - There is no projection of the drainage facility onto a designated interval (i.e. every 50 feet). A cross section must be cut directly at the drainage facility’s stationing in order to accurately display the drainage structure.
 - The current requirement/work around is stated in PTC’s Project Information Modeling & CAD Standards v1.0, section 5.8.1.2.1.1 Cross Sections.

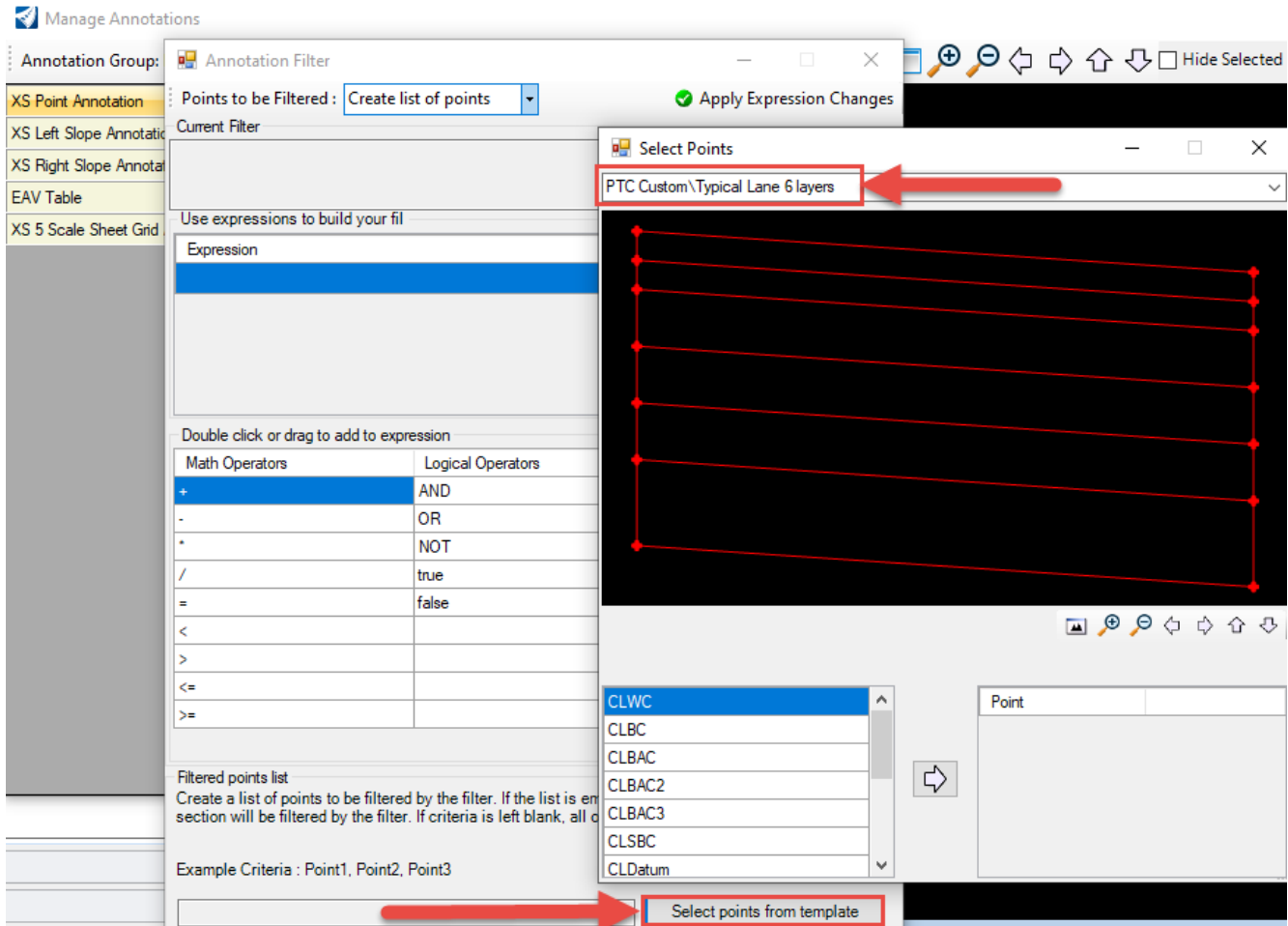
OpenRoads Designer (2020 Release 3)

- Cross Section Annotation & PTC Template Drops
 - Annotating corridor points in sections cannot be setup.
 - There are 2 options when modifying the annotation group.
 - All Points (which is way too messy)
 - Custom Point List (generates a software error)
 - When trying to pick the points wanted for annotation in version 10.09.00.91 the software returns an Unhandled Exception.



- This has been tested on custom PTC content as well as base content provided with the software.

- o This same workflow has been tested in version 10.10.01.03 and everything works without issue.



Structural Bridge Design

- Pennsylvania Turnpike advises to not use Structural Bridge Design for analysis with the Autodesk Bridge Workflow at this time.

Revit (all versions)

- Pennsylvania Turnpike advises recognizes that in rare instances for bridge modeling with Revit, chording may occur of the design dependent on vertical geometry and skew of bridge. Any chording must be discussed with PTC Design Services and PTC Project Manager to determine which electronic files and best approach for the bridge design. Note: Autodesk Inventor does not create any chording of designs and may be recommended to implement on a project if there is sever chording.