



PTC Project Information Modeling & CAD Standards Review Report

The Design Consultant must complete Section 1 PTC Project Information Modeling & CAD Standards Compliance and submit this entire document along with the Project Execution Plan (PxP). **This document must be submitted in conjunction with the appropriate plan/model set submittal and the PxP.**

PTC Design Services Unit will complete Section 2 *Project Information Modeling & CAD Standards Reviewer*. The PTC Design Services Unit will remark PASS or FAIL for the entire submittal set under this section.

1. PTC PROJECT INFORMATION MODELING & CAD STANDARDS COMPLIANCE

Read the statement below and choose the appropriate answer. Indicate date of when standards were received and what version.

The most recent PTC Project Information Modeling & CAD Standards have been received and used as the basis of this project's design, construction, survey, and/or coordination.

NO - YES	Received Date of Standards:	Version:
----------	-----------------------------	----------

Fill-out the following fields and submit in conjunction with the plan/model set submittal:

Project Name:	
Project Number:	PTC Project Manager:
Date Submitted:	PTC Design Services Unit POC:
Progress Submission (i.e., DFV):	Consultant Project Manager:



PTC Project Information Modeling & CAD Standards Review Report

The following section is to be completed by PTC Design Services Unit.

2. PTC PROJECT INFORMATION MODELING & CAD STANDARDS REVIEWER

The Reviewer must reference the criteria outlined in the 'Summary of Criteria Table'. Once finished, the below fields must be populated.

Date Reviewed:	Reviewed By:
Comments:	

The submittal set for plans, models, and electronic files have been reviewed according to the specified version of the PTC Project Information Modeling & CAD Standards. The following denotes a PASS or FAIL for the entire submittal per requirements specified by the checklist on the following pages.

STANDARDS COMPLIANCE	PASS <input type="checkbox"/>	FAIL <input type="checkbox"/>
-----------------------------	--------------------------------------	--------------------------------------



PTC Project Information Modeling & CAD Standards Review Report

All deliverables must meet the criteria outlined in the following table, as applicable. Please reference the 'PTC Project Information Modeling & CAD Standards' document at the specified location for a complete description of each point.

Summary of Criteria
Design Intent (3.2.1)
Models were produced using approved design authoring software and version listed in section 4.1.0 Approved CAD and BIM software
Model elements are designed to the appropriate Level of Development (LOD) matrix in section 5.4.0
Models and drawing files associated to the project submission were completed and submitted per section 3.5.0 Deliverable Schedule and Submission
Technology Standards (4.0.0)
Any external references, data shortcuts, or links to other files are fully functional.
Project files are organized in the appropriate folder structure
Digital deliverables are in the correct format as listed in section 3.5.3 Deliverable File Type
The most current resource files were utilized for Civil 3D and/or OpenRoads files per Appendices 14.2.2 and 14.2.3, respectively
Modeling Standards (5.0.0)
The horizontal datum used is in accordance with section 12.2.1
The vertical datum used is in accordance with section 12.2.2
Units are US Survey Feet
Units are in accordance to type and precision per section 5.2.2.1
Project models are named according to PTC file naming conventions in section 8.2.1
Model revisions and sheets are in accordance with section 7.4.0 Drawing Revisions
Civil 3D / OpenRoads Modeling Standards (5.6.0)
Surface design elements are 3D intelligent elements
Alignment design elements are 3D intelligent elements
Profile design elements are 3D intelligent elements



PTC Project Information Modeling & CAD Standards Review Report

Summary of Criteria
Underground pipe & structure network design elements are 3D intelligent elements
Corridor design elements are 3D intelligent elements
Annotations are dynamic for any 3D intelligent elements
Existing & proposed utilities are drawn and displayed according to PTC linestyles and standards
Drawing elements are created on the appropriate layers according to section 5.6.3.5
Survey points adhere to section 5.6.3.7
Corridors are created to the appropriate code set style per section 5.6.3.11
Models are created from the correct PTC Seed file, DGN Libraries, and Color table as described in section 5.6.4
Revit Modeling Standards (5.7.0)
Revit models and files meet PTC standards per section 5.7.0
Graphic Standards (6.0.0)
Text and drawings use standard text fonts and heights according to Table 6-1, section 6.1
Line types and line styles are drawn per PTC standards outlined in section 6.6.2 and displayed in Appendix 14.6
Drawings use set drawing scales listed in section 6.6.4
Symbols for either are created based upon parameters set in section 6.6.5
Naming Conventions (8.0.0)
Project files, models, and drawings follow the PTC naming format, using project number, discipline designator, model file type designator, and/or user defined designator per sections 8.1.0 & 8.2.0