



Autodesk® Civil 3D® Country Kit Documentation

Norway

Contents

1.0	Overview	Error! Bookmark not defined.
1.1	Version History	Error! Bookmark not defined.
1.2	Introduction.....	Error! Bookmark not defined.
1.3	Standards used to create this Country Kit	Error! Bookmark not defined.
1.4	Installation	Error! Bookmark not defined.
2.0	This Style is Heading 1	Error! Bookmark not defined.
2.1	This Style is Heading 2	Error! Bookmark not defined.
2.2	Hatch Patterns	Error! Bookmark not defined.
2.3	Layers.....	Error! Bookmark not defined.
3.0	Reports.....	Error! Bookmark not defined.
3.1	Information on Reports	Error! Bookmark not defined.
4.0	Country Kit Change List.....	Error! Bookmark not defined.
4.1	Updates to this Country Kit	Error! Bookmark not defined.

1.0 Overview

1.1 Version History

Versions of this document:

<i>Version</i>	<i>Date</i>	<i>Update Description</i>
1.0	4/15/20	Updated for Autodesk® Civil 3D® 2021
2.0	3/30/2021	Updated for Autodesk® Civil 3D® 2022

1.2 Introduction

This document describes the content and new of this Country Kit.

1.3 Standards used to create this Country Kit

This Country Kits is based on the following standards:

- Civil 3D Standard
- Håndbok N100 Veg- og gateutforming

1.4 Installation

The Country Kit is installed using the appropriate msi-file.

2.0 Country Kit Content

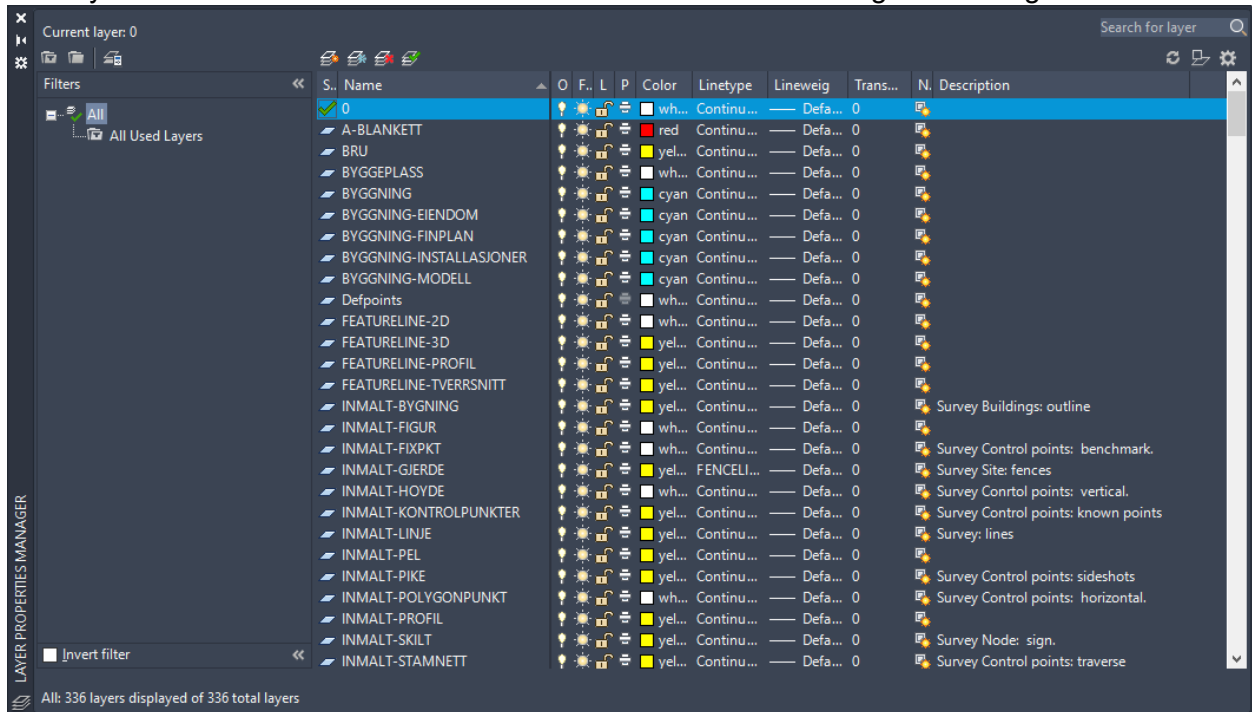
2.1 Drawing template

The Country Kit contains a template file with settings for the local market:
 _Autodesk Civil 3D 2022 NOR.dwt

Generally, styles named Standard should only be used if no other style of that type exist. If only a style named Standard exist for a certain type, this style should however be used.

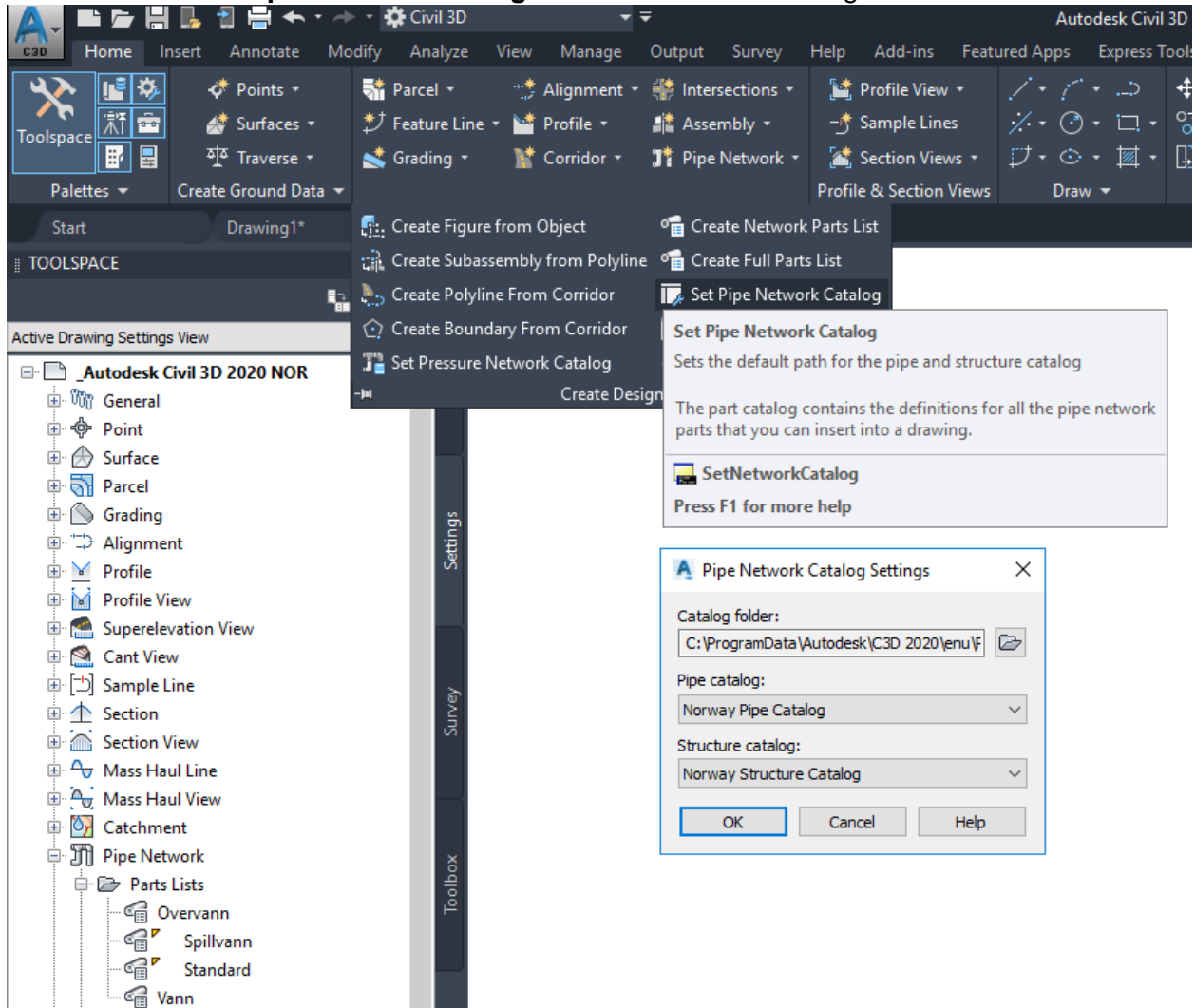
2.2 Layer Standard

The layer standard follows a Civil 3D “clear text” standard according to the image below.



2.3 Pipe Catalog and Parts Lists

Pipe Catalog and corresponding parts lists are available at the locations below. User needs to use command **Set Pipe Network Catalog** to set correct local catalog!

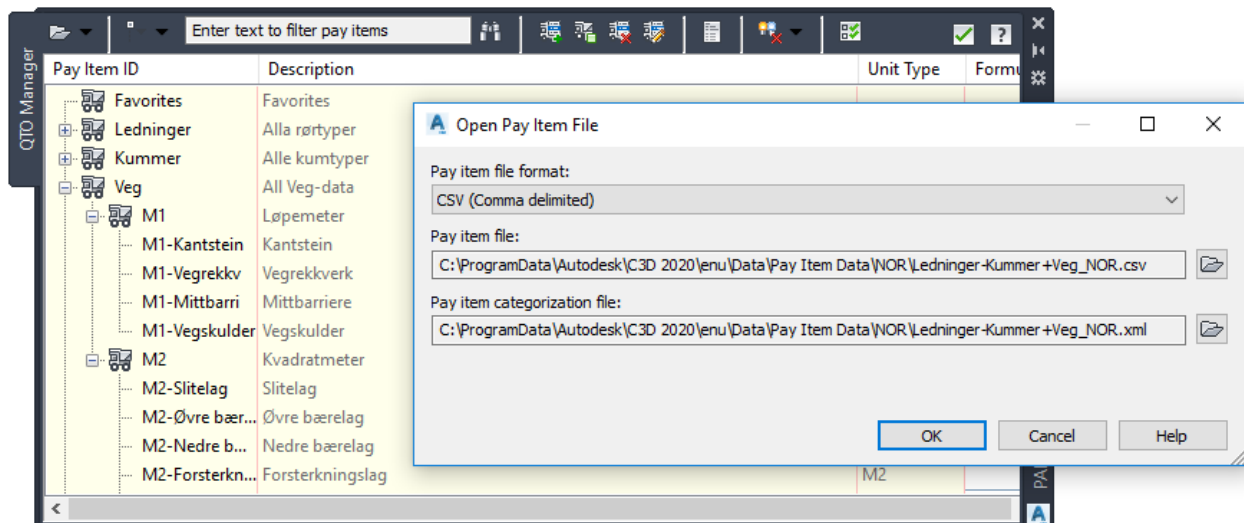
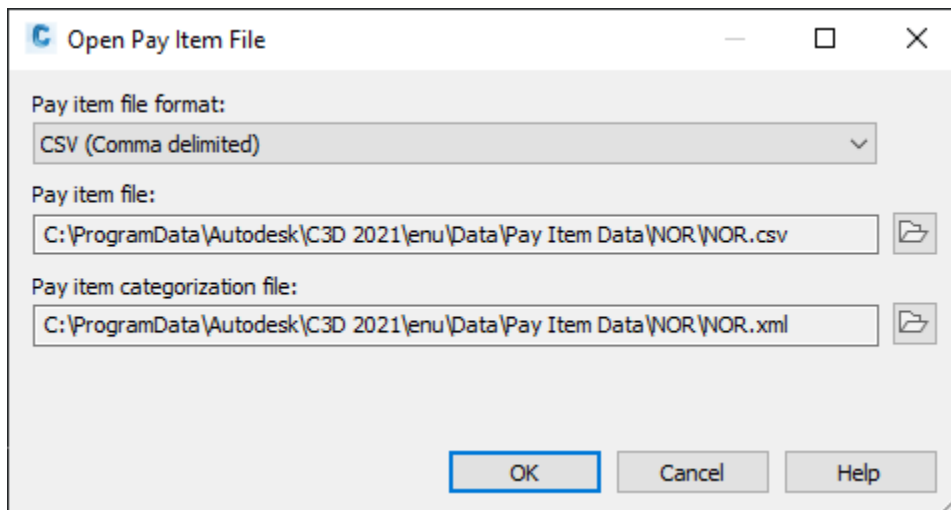


2.4 Pay Item File

There is a localized Pay Item File located at the folder as
 These Pay Item IDs are setup in some Pipe Network Parts Lists and some Code Set Styles according to the second and third image below.

See section Quantity Takeoff Reports, below in this document for information on reports!

To better support BIM360, the Pay Item Files have been renamed from Ledninger-Kummer+Veg_NOR.csv and Ledninger-Kummer+Veg_NOR.xml to **NOR.csv** and **NOR.xml**. This is due to the limitation of number of characters in file search path and name in BIM360. However, the old files still remain in the installation to support older dwg-files.



Network Parts List - Overvann

Information Pipes Structures Summary

Name	Style	Rules	Render Material	Pay Item
Betongrør				
O 150	Overvann	Overvann	Betong - Støpt i...	BTG-150
O 250	Overvann	Overvann	Betong - Støpt i...	BTG-250
O 300	Overvann	Overvann	Betong - Støpt i...	BTG-300
O 400	Overvann	Overvann	Betong - Støpt i...	BTG-400

Code Set Style - Alle koder - QTO

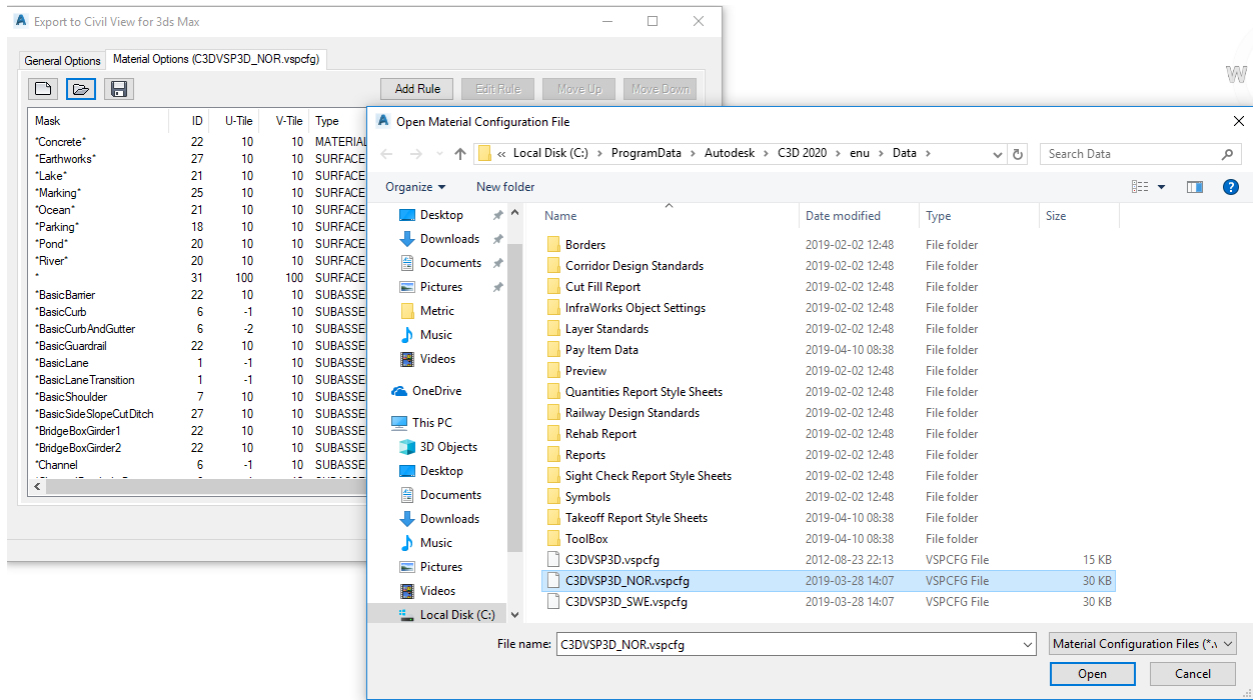
Information Codes

Reset Labels

Name	Description	Style	Label Style	Render M...	Material ...	Feature Li...	Pay Item	Classifica...
Link								
<default>		Standard	<none>	<none>	<none>		<none>	
<no code>		Uspesif...	<none>	<none>	<none>		<none>	
Barrier	Concrete ...	Barriere	<none>	<none>	<none>		<none>	
Base	Link on th...	Nedre ...	<none>	<none>	<none>		M2-Nedre bærelag	

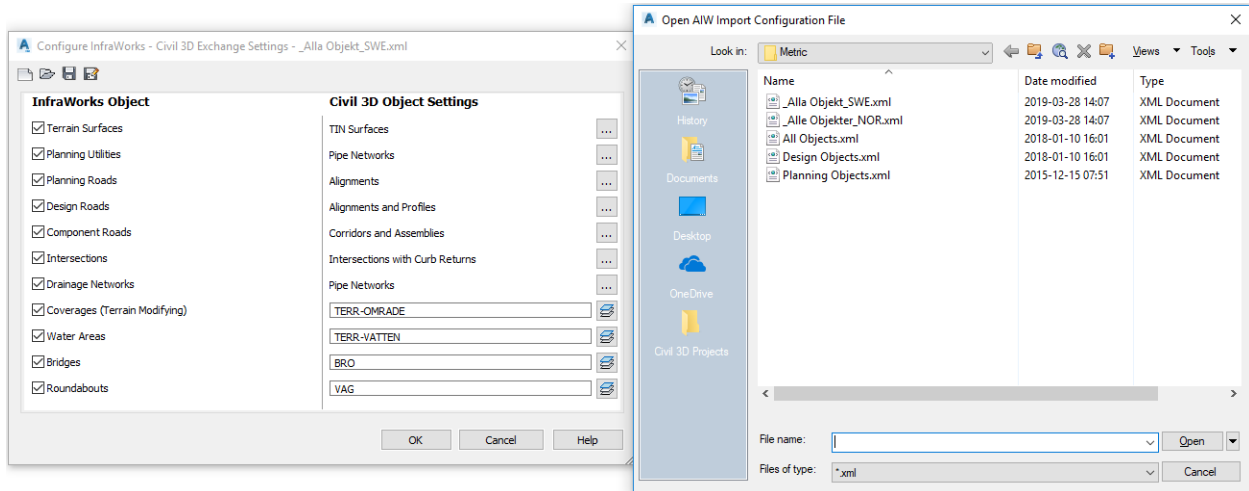
2.5 Export to Civil View for 3DsMax

There is a localized Material Configuration File at location below:



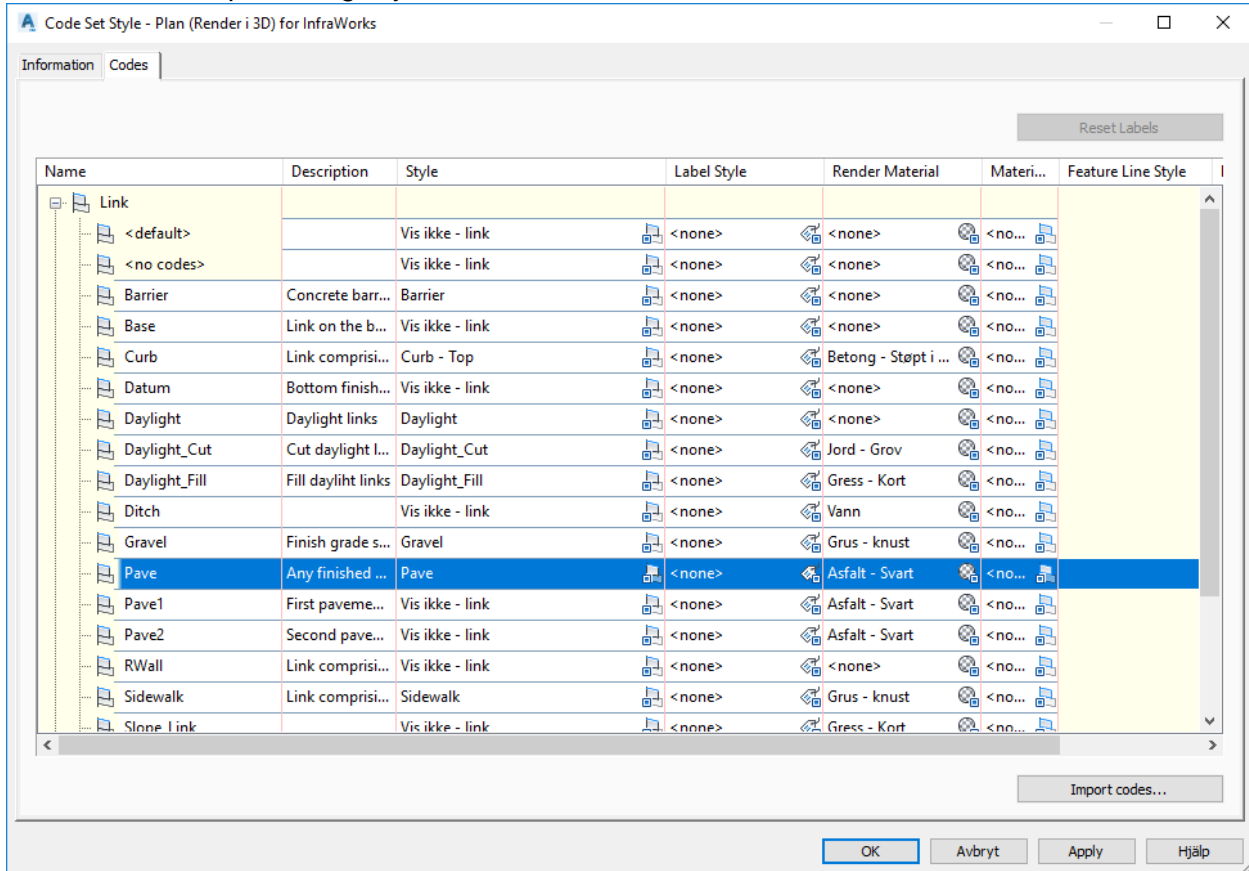
2.6 Infracworks Exchange Settings

There is a localized Exchange Settings Configuration File, for command CONFIGUREAIWIMPORT, at location below.



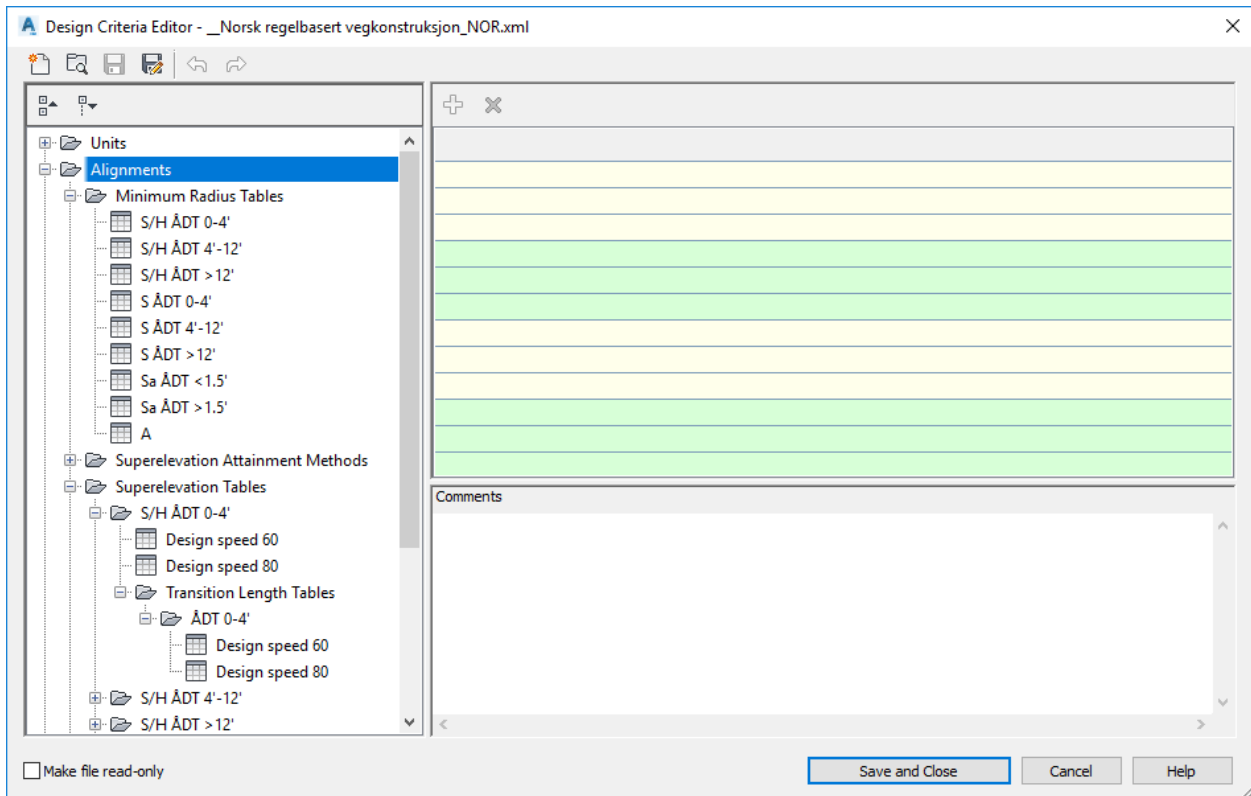
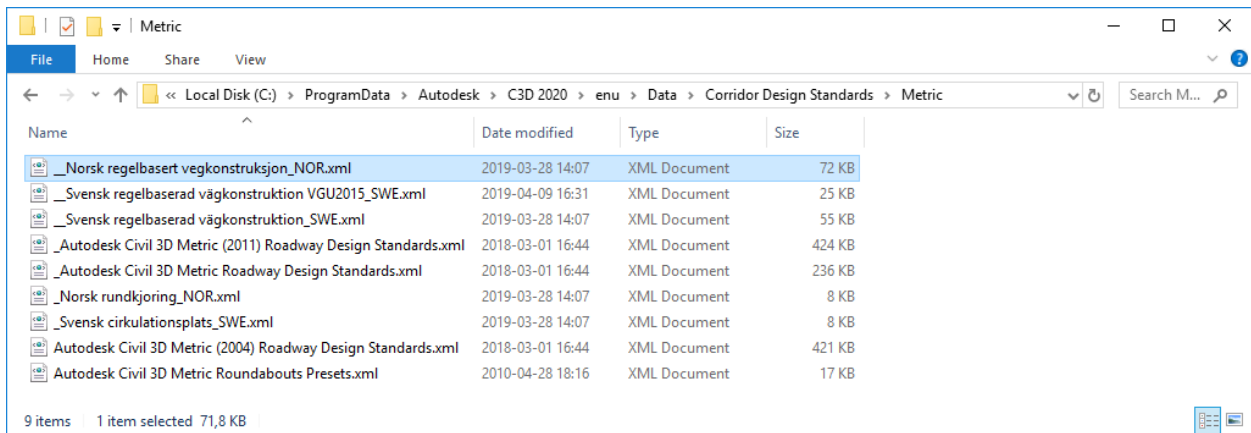
Also note that settings in some Code Set Styles are setup for Infracworks communication.

Link Code Styles are coded with correct link style and render material for import to InfraWorks. In InfraWorks, import using Style Rule "All.Rules.Json".



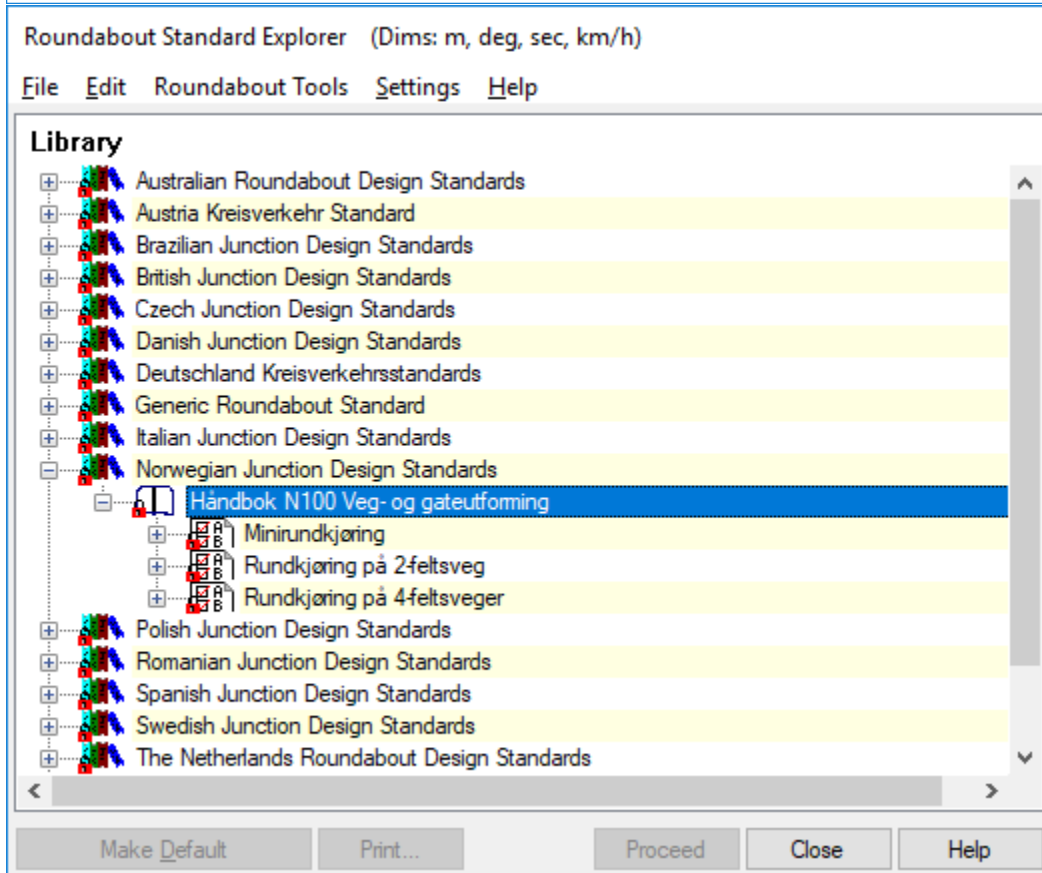
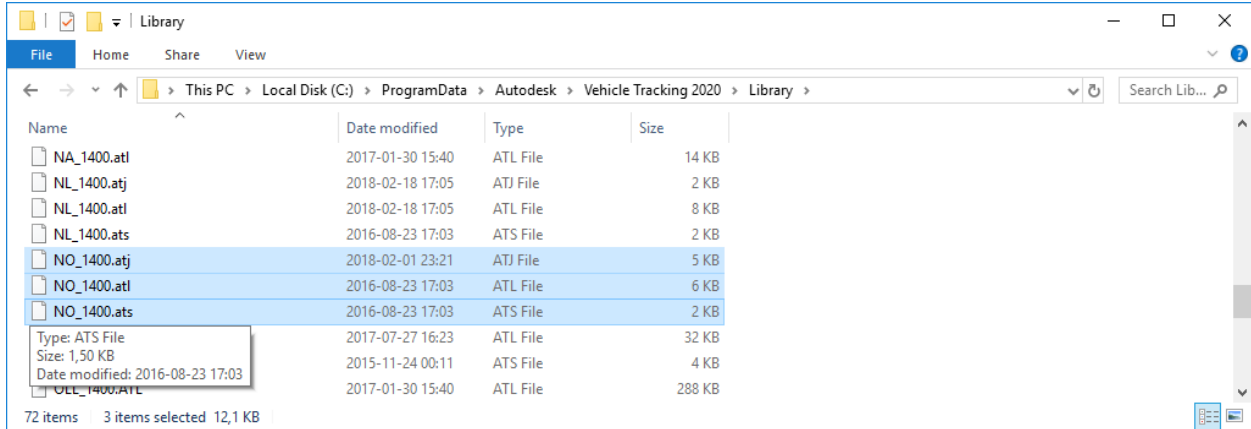
2.7 Superelevation Design Criteria File

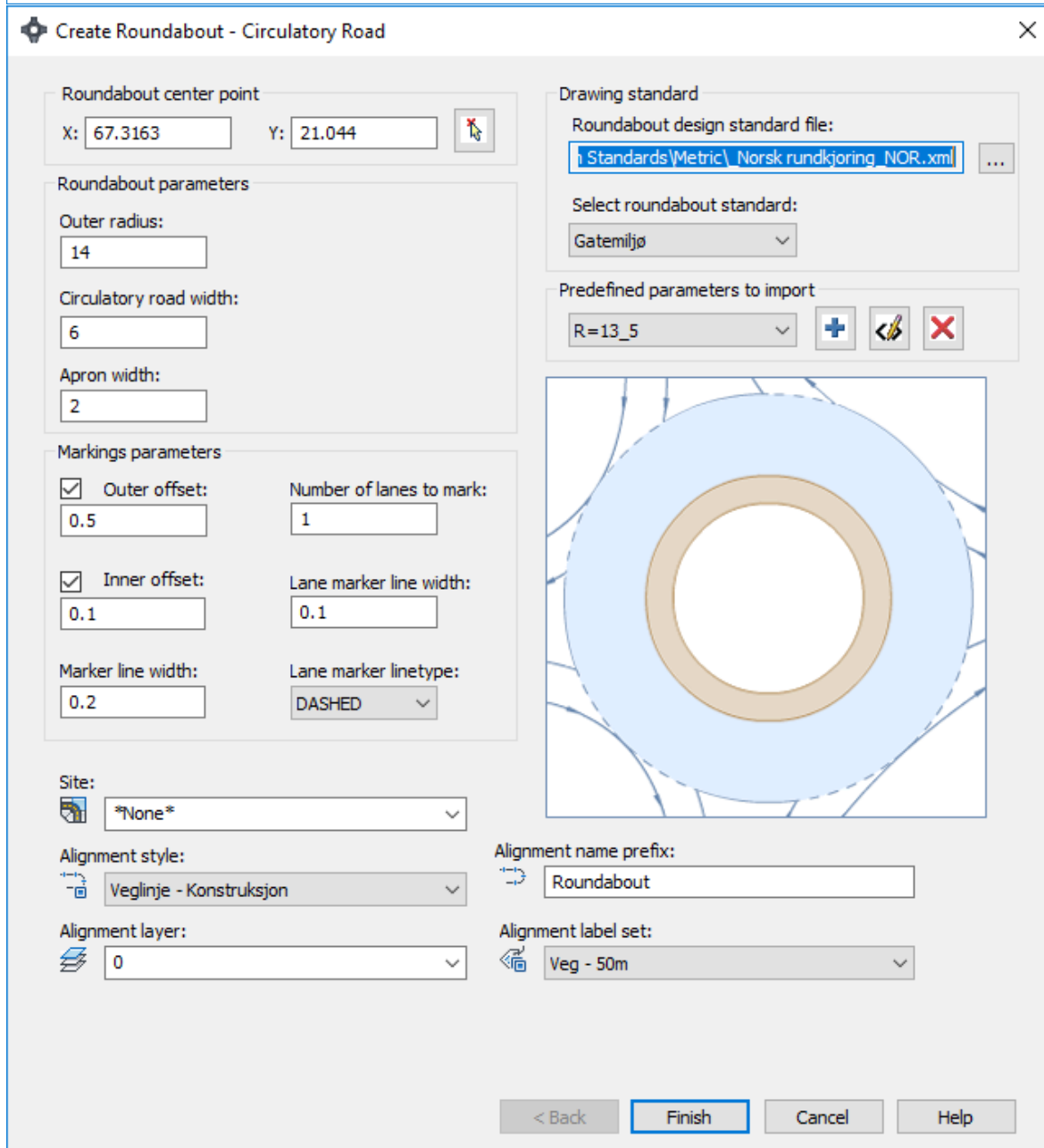
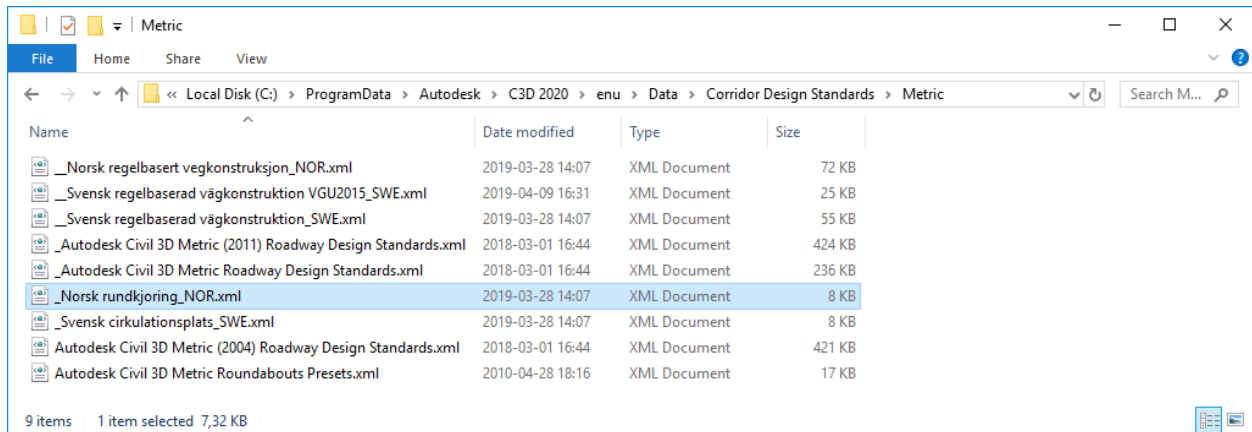
There is a localized Superelevation Design Criteria File available.



2.8 Roundabout Design Criteria File

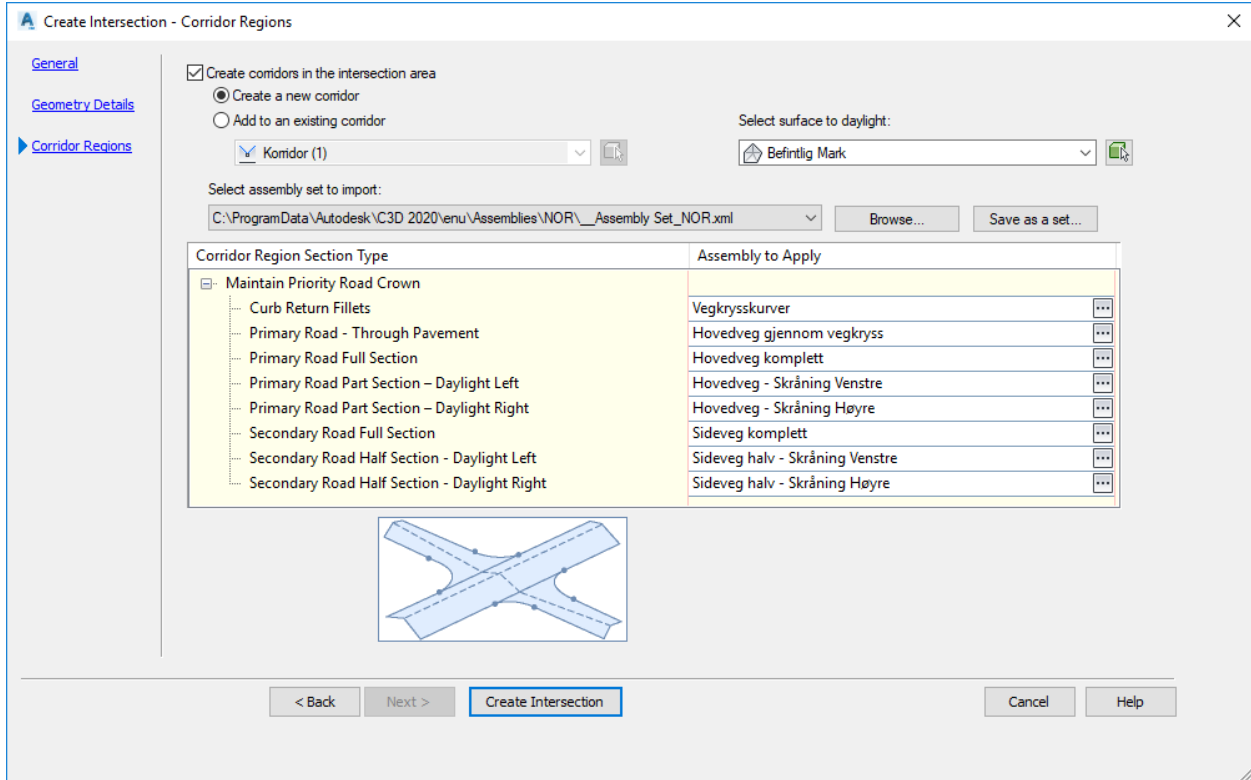
There are two different localized Roundabout Design Criteria Files available. One for the “old” command CREATEROUNDABOUT, see image 3 and 4 below, and one for the “new” AVT-command RoundaboutCreate, see image 1 and 2 below.





2.9 Intersection Assembly Set

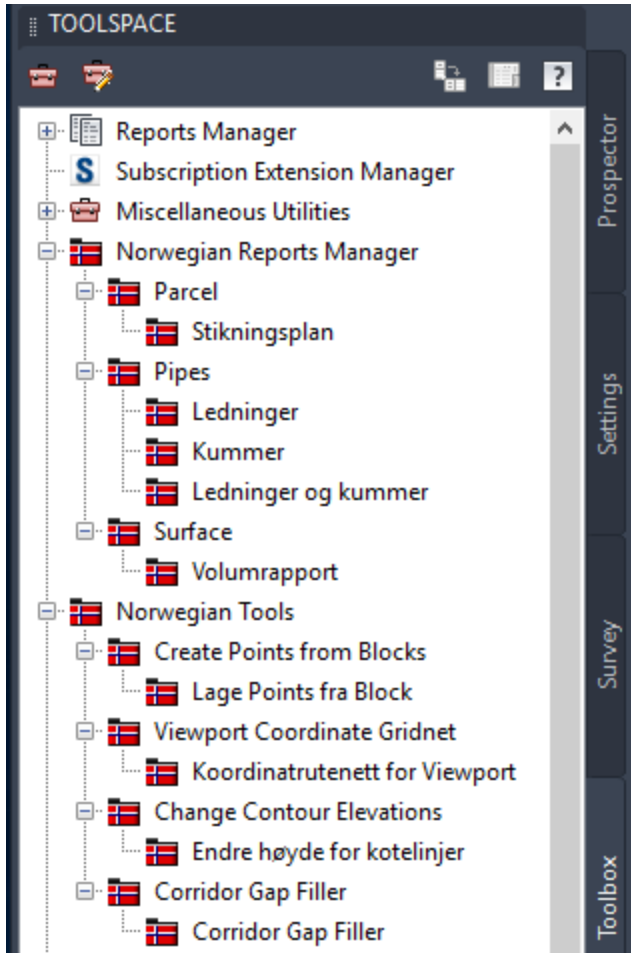
There is a localized assembly set located as in the image below. The assembly names are translated but uses standard Civil 3D Stock Subassemblies.



3.0 Reports

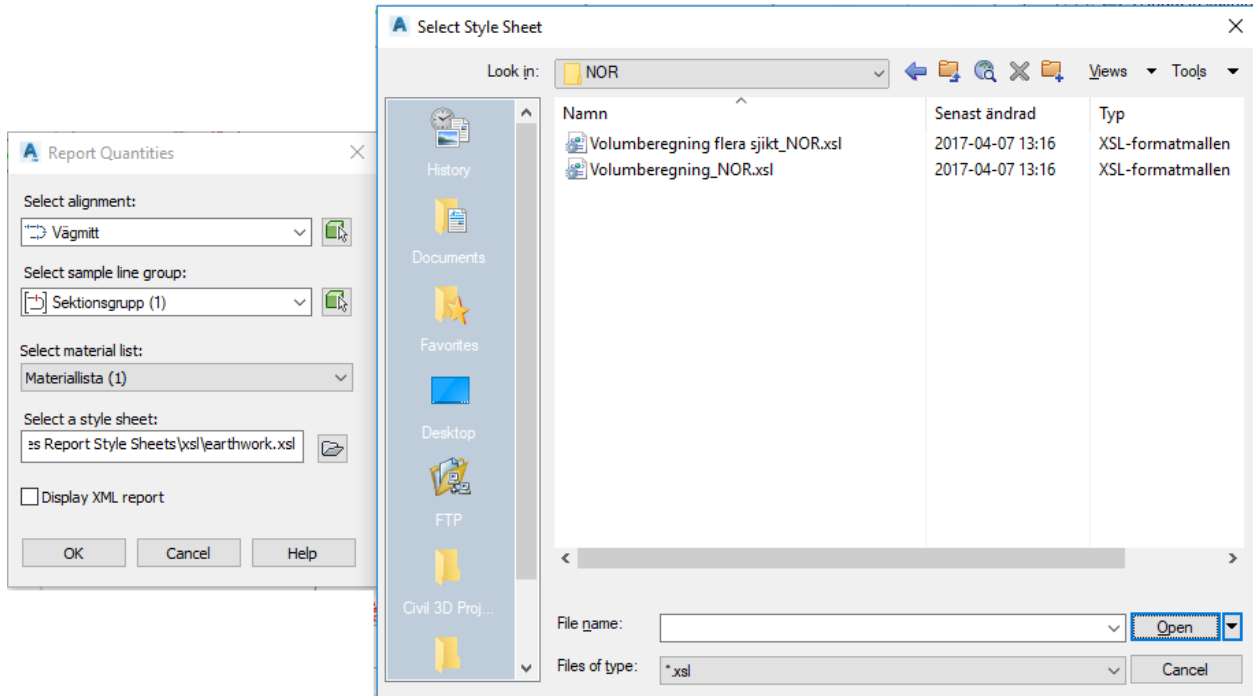
3.1 Parcel, Pipe and Surface Reports

Localized reports are available in the Toolbox as seen below.



3.2 Volume Reports

Localized Volume reports are available in a subfolder



3.3 Quantity Takeoff Reports

Localized reports are available in the dropdown menu

The screenshot shows a window titled "Quantity Takeoff Report" with a table of items and a dropdown menu for report formats.

<u>SUMMERT RAPPORT</u>			
<u>ID</u>	<u>Beskrivelse</u>	<u>Antall</u>	<u>Enhet</u>
M2-Bundet bärlager	Bundet bärlager	709.72	M2
M2-Obundet bärlager	Obundet bärlager	709.72	M2
M2-Slitlager	Slitlager	709.72	M2

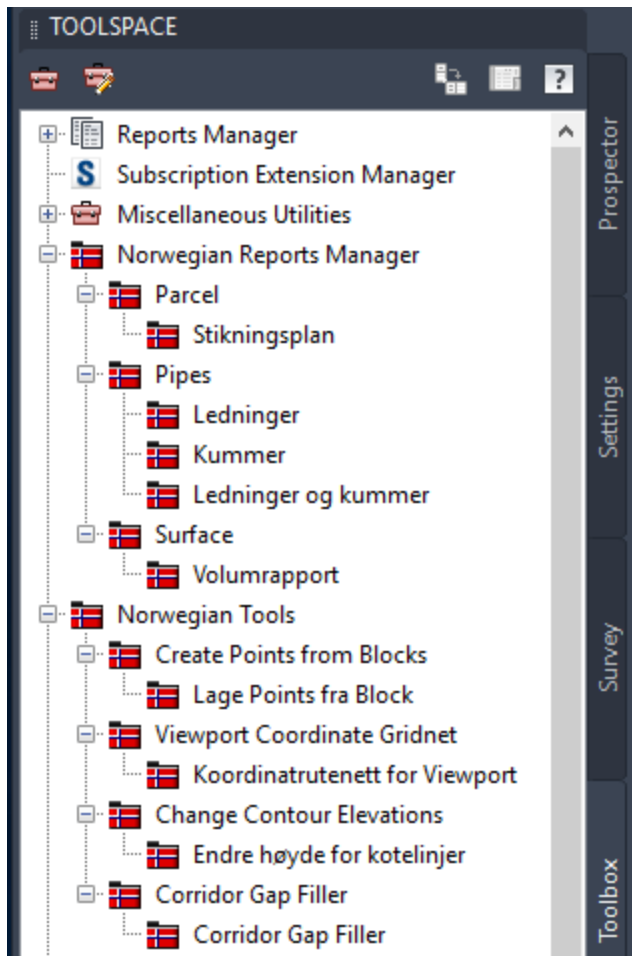
Below the table is a dropdown menu with the following options:

- _Summering (HTML)_NOR.xsl
- TransPortDesignInterface.xsl
- _Summering (CSV)_NOR.xsl
- _Summering (HTML)_NOR.xsl
- _Summering (TXT)_NOR.xsl
- _Summering (CSV)_SWE.xsl
- _Summering (HTML)_SWE.xsl
- _Summering (TXT)_SWE.xsl
- Summary (CSV).xsl
- Summary (HTML).xsl
- Summary (TXT).xsl
- Summary (XML).xsl
- <Browse...>

At the bottom of the window are buttons for "Draw", "Save As...", "Close", and "Help".

3.4 Norwegian Tools

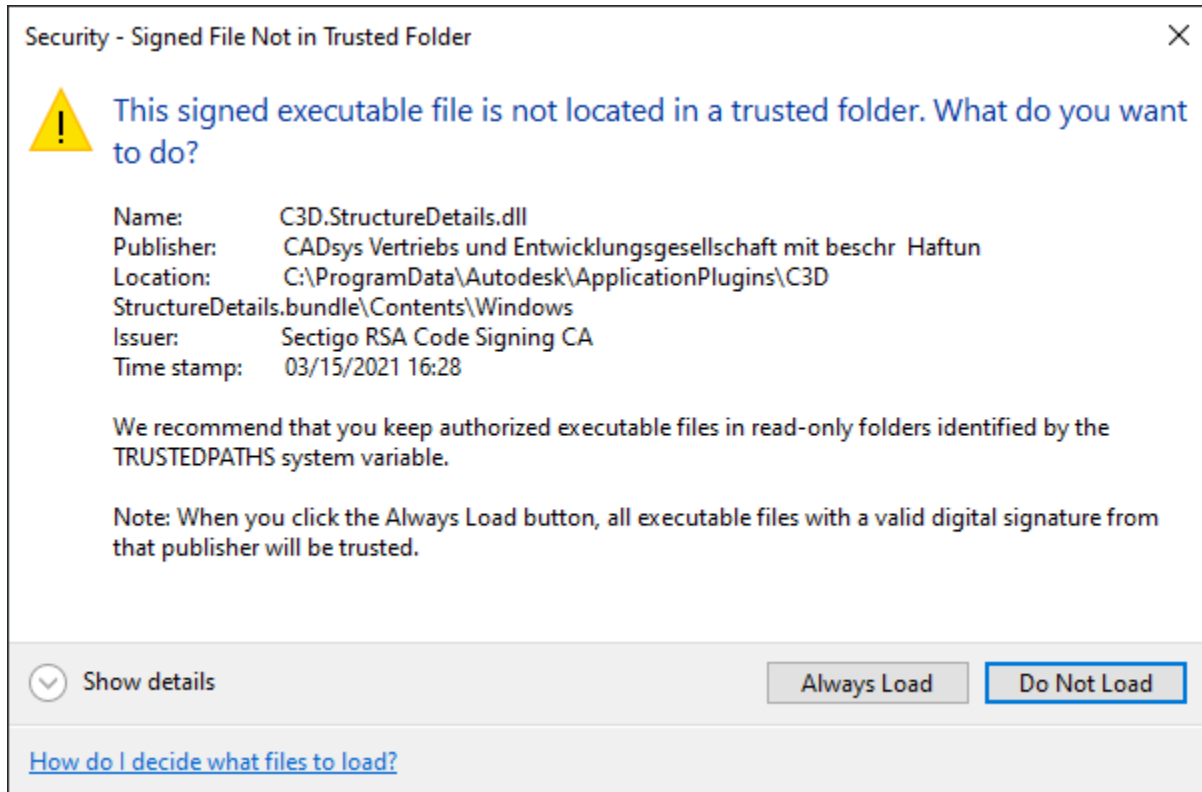
Localized tools are available in the Toolbox



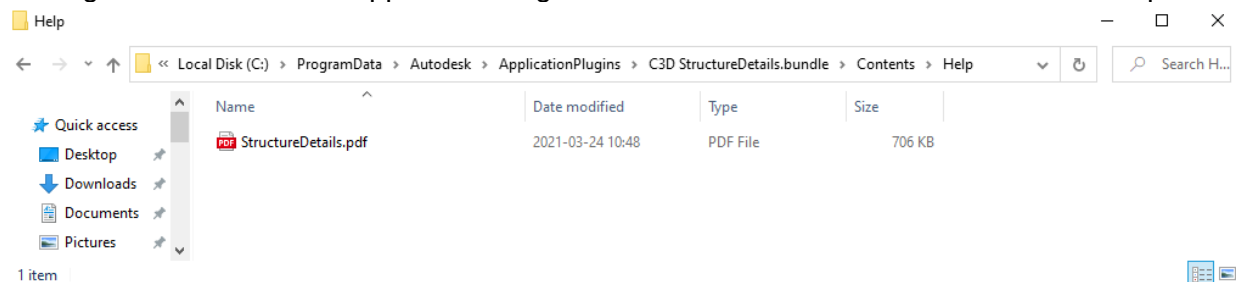
4.0 Country Kit Change List

4.1 New command for Structure Details Report causing message dialog!

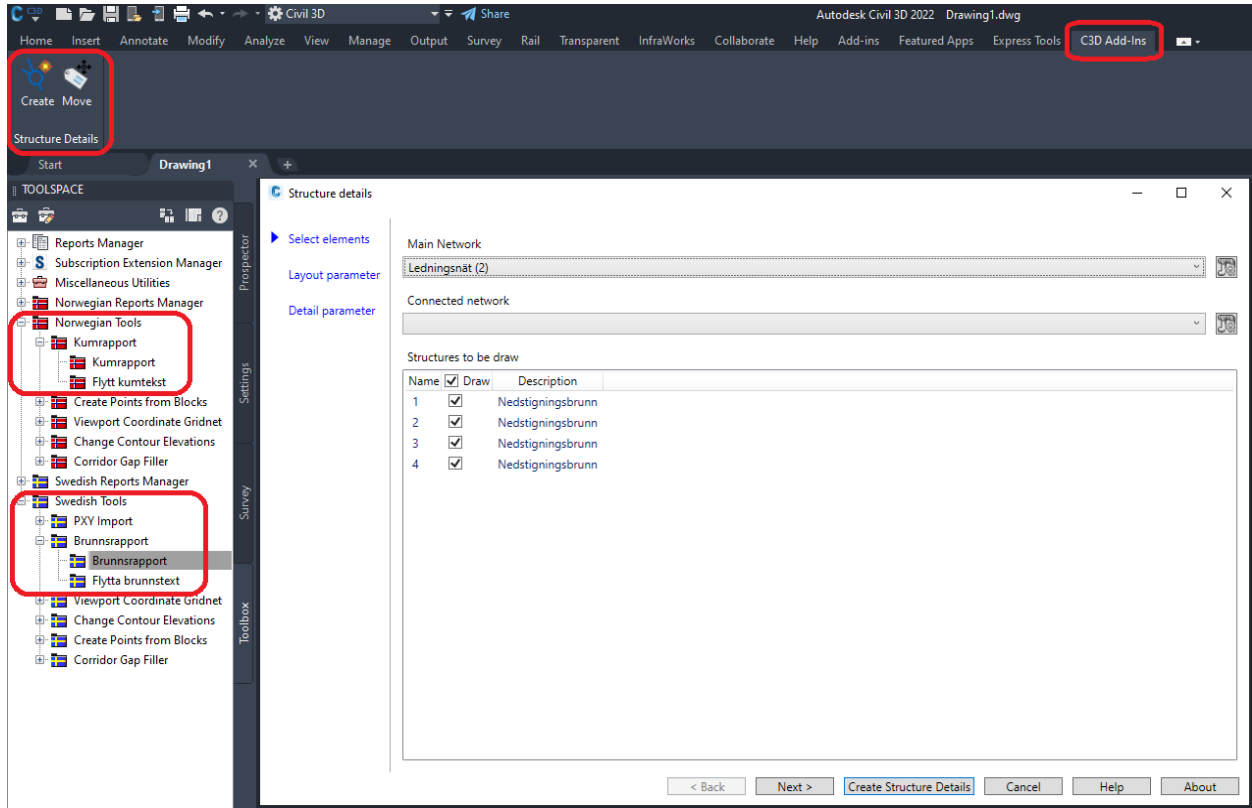
New command for Structure Details Report has been added. This command will force AutoCAD to through a message dialog saying “Security – Signed File Not in Trusted Folder”. This is due to limitations in the Country Kit setup possibilities and we recommend to click “Always Load to load the new feature!



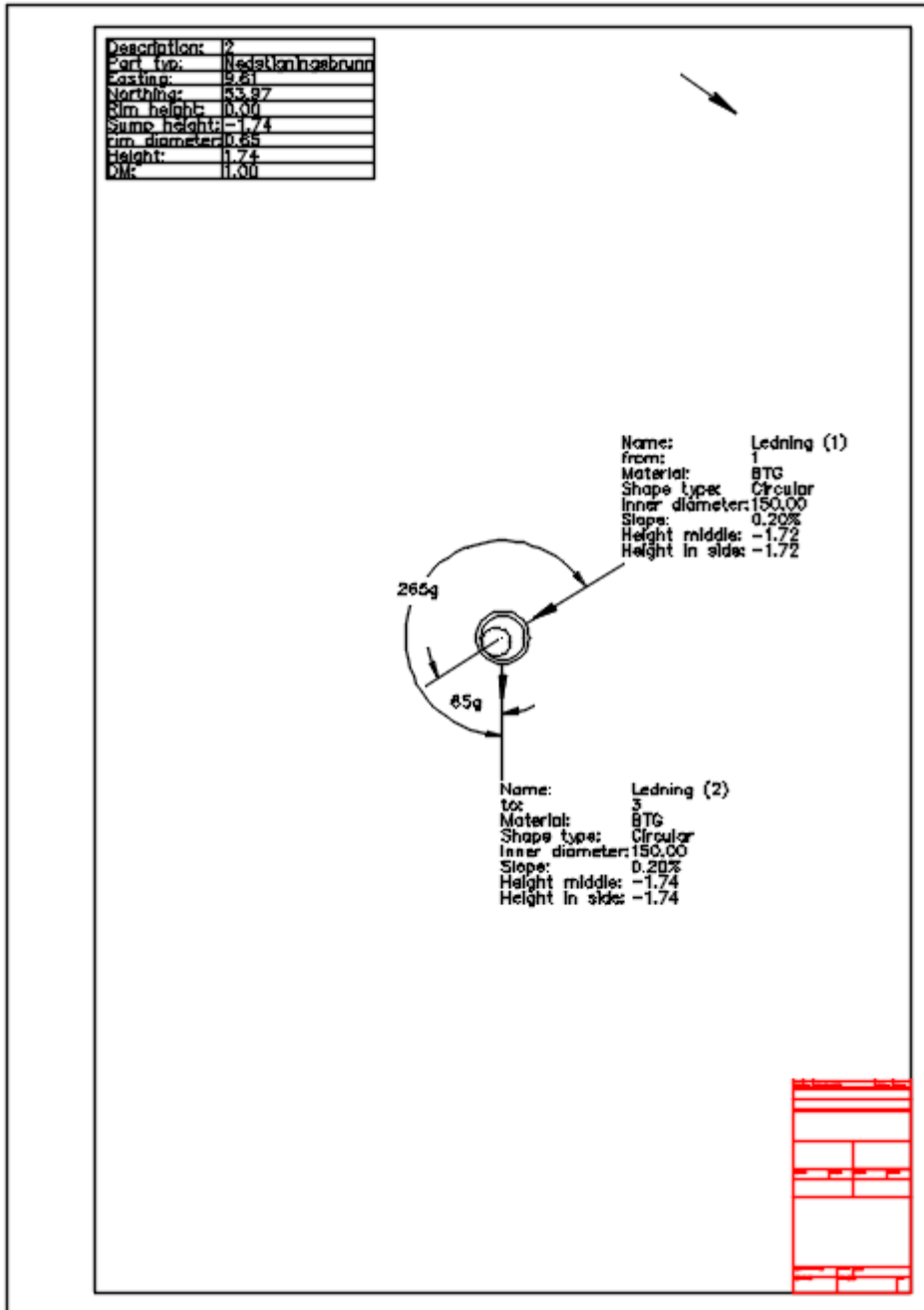
Help File for this command is available at:
C:\ProgramData\Autodesk\ApplicationPlugins\C3D StructureDetails.bundle\Contents\Help



Command is found in Toolbox and on ribbon "C3D Add-Ins". Note that the ribbon normally loads the second time Civil 3D is started!

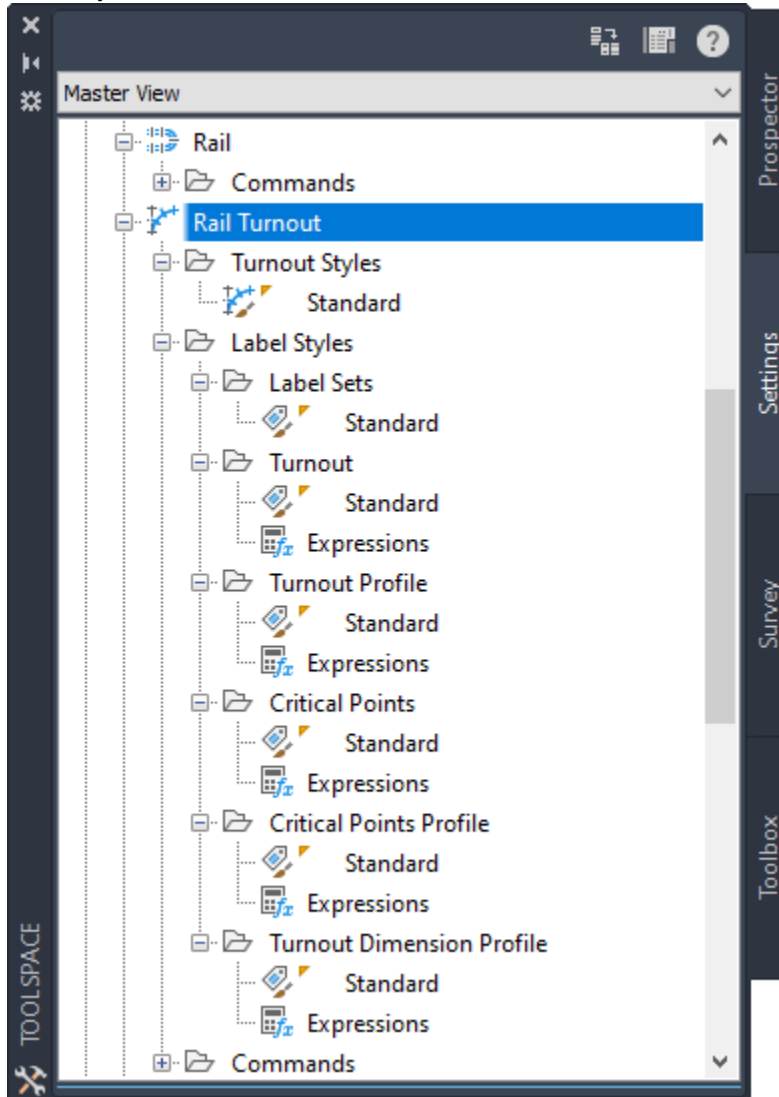


Example of a report:

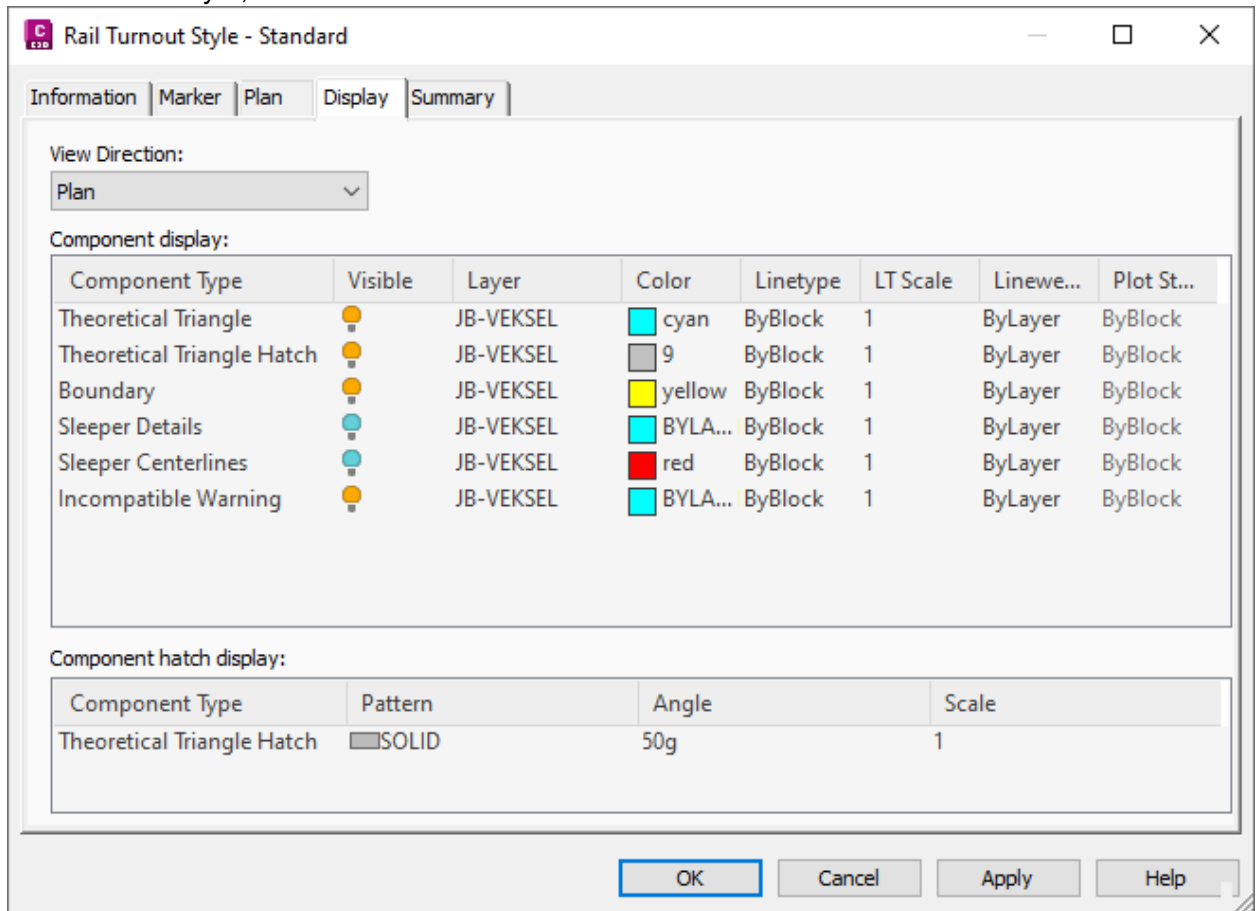


4.2 Template Updates

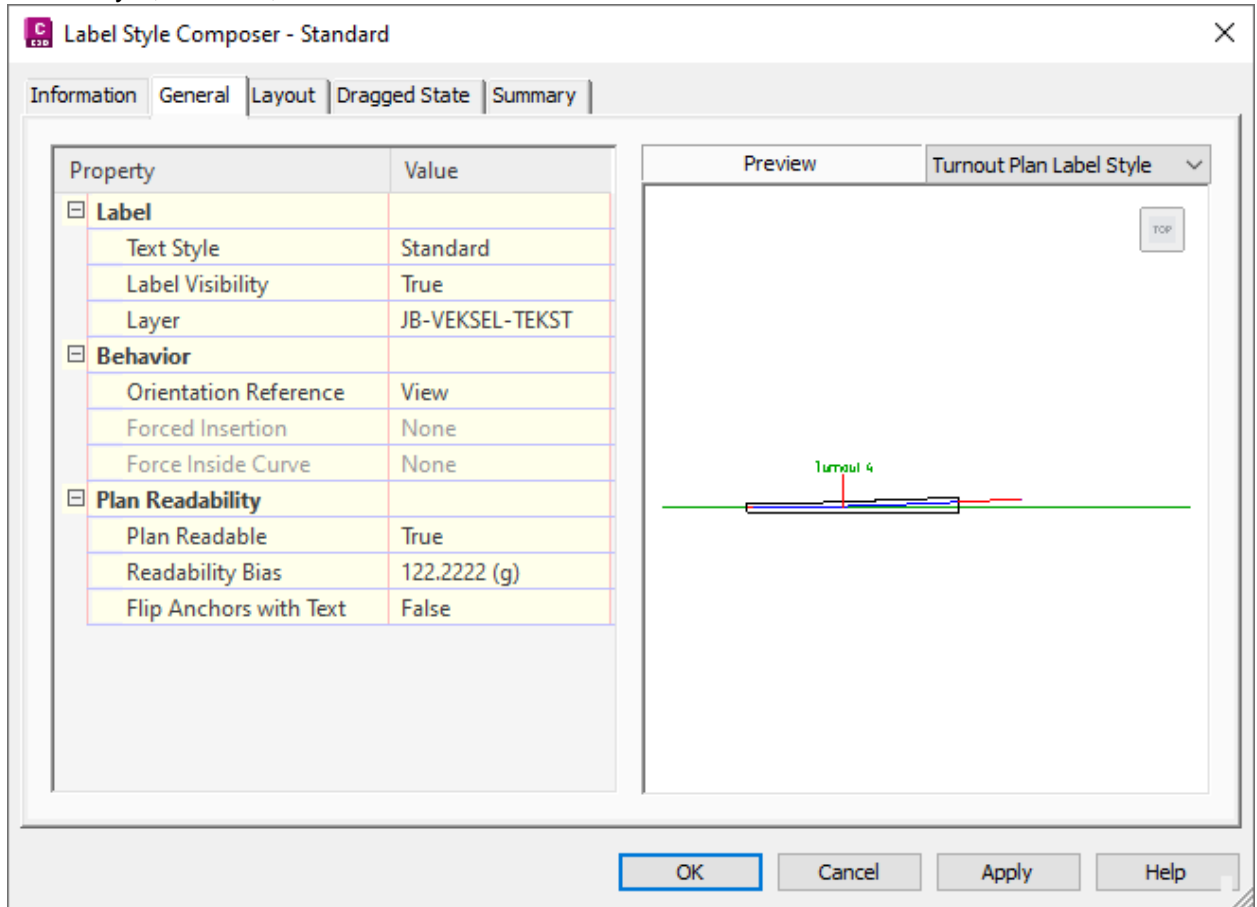
- The following is a list of changes that have been made to the 2023 Template
- New styles and Labels for Rail:



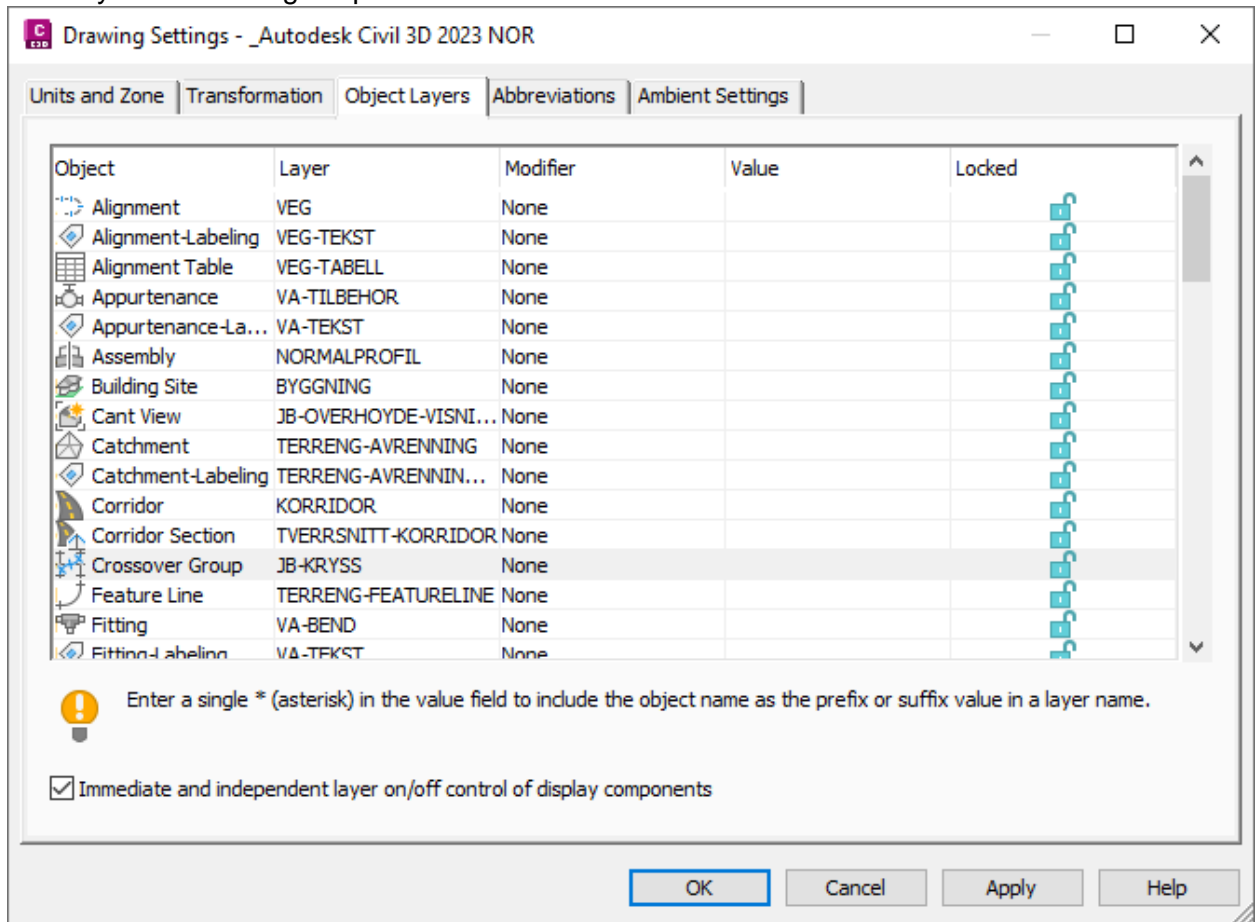
■ Rail Turnout Style, Standard:

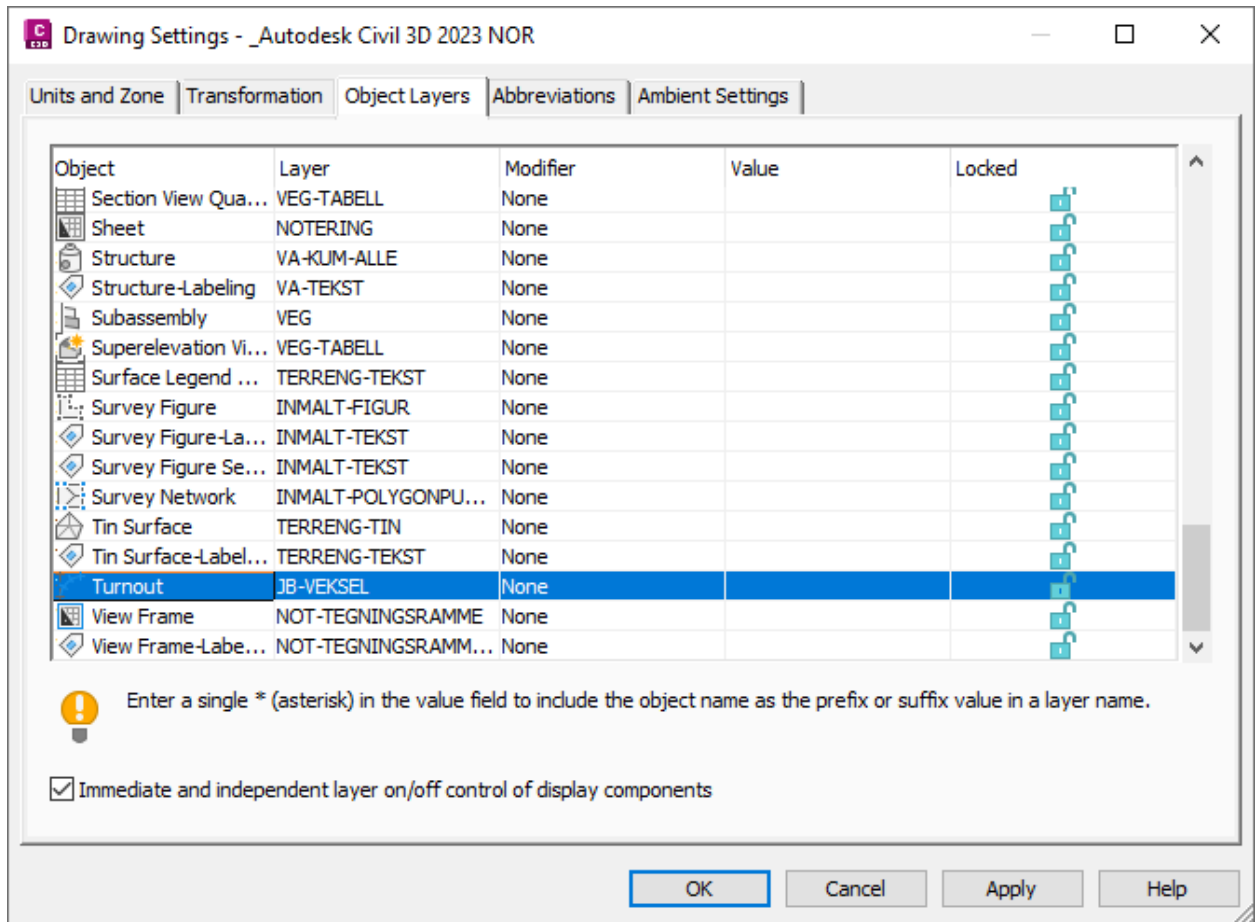


■ Label Style, Turnout, Standard:



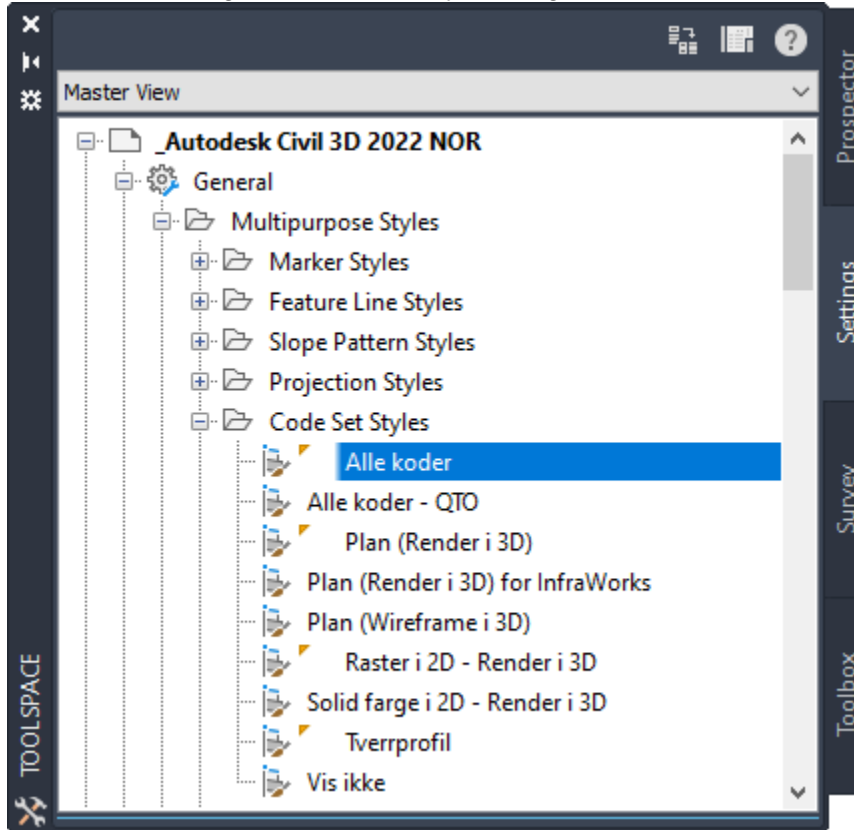
■ New layers in Drawing Properties:



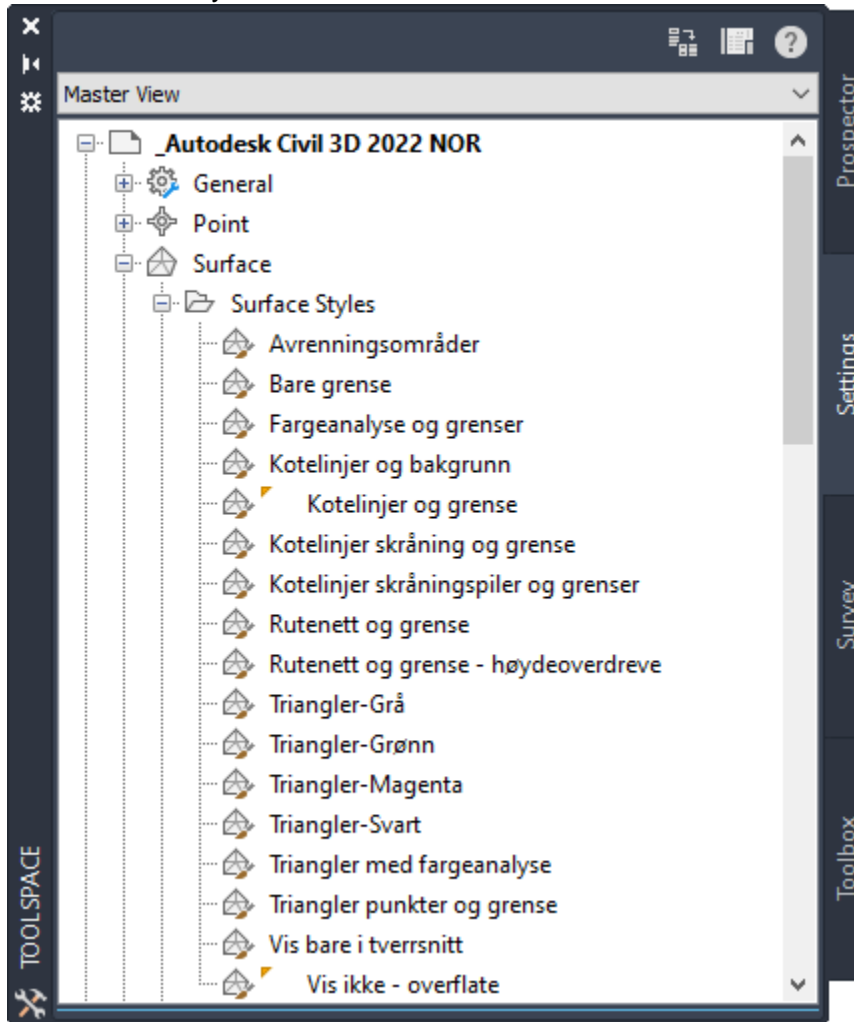


4.3 Previous Template Updates

- The following is a list of changes that have been made to the 2022 Template
- Code Set Styles “Alle koder” and ”Plan (Render i 3D)” have been modified with codes for Norwegian Subassembly Coding.



■ New Surface Styles

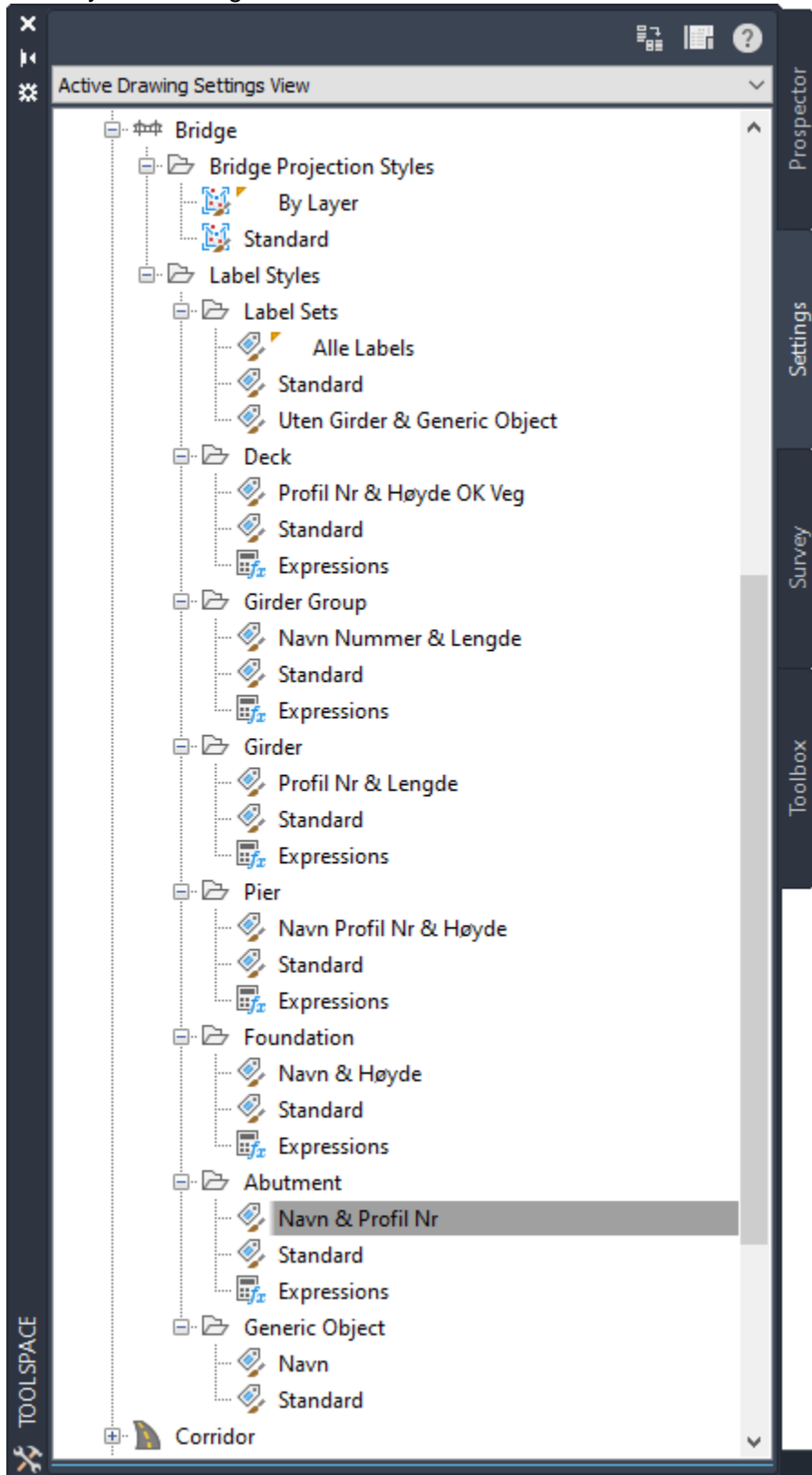


- The following is a list of changes that have been made to the 2021 Template
- There is a new label style for crossings in profile view. In the Settings tab of the prospector, switch to Master View. Under the Autodesk Metric template, open Profile View>Label Styles>Crossing.
- There is a setting change in the Alignment Feature Settings, in the Settings tab right-click on Alignment and choose Edit Feature Settings.... Expand Rail Alignment Options and change both "Measure rail curves along chords" and "Export rail alignment as center line alignment" to "Yes".
- Alignment>Label Styles>Station Offset: Profil nr & Sidedforskyvning, was modified
- There is a setting change in the Platform Edge Options, in the Settings tab open Rail>Commands. Double-click on CreatePlatformEdge to open the "Edit Command Settings - CreatePlatformEdge". Under "Platform Edge Options" change the "Use

Platform Length" to "No". Also, Track Width has been set to 1.435m.

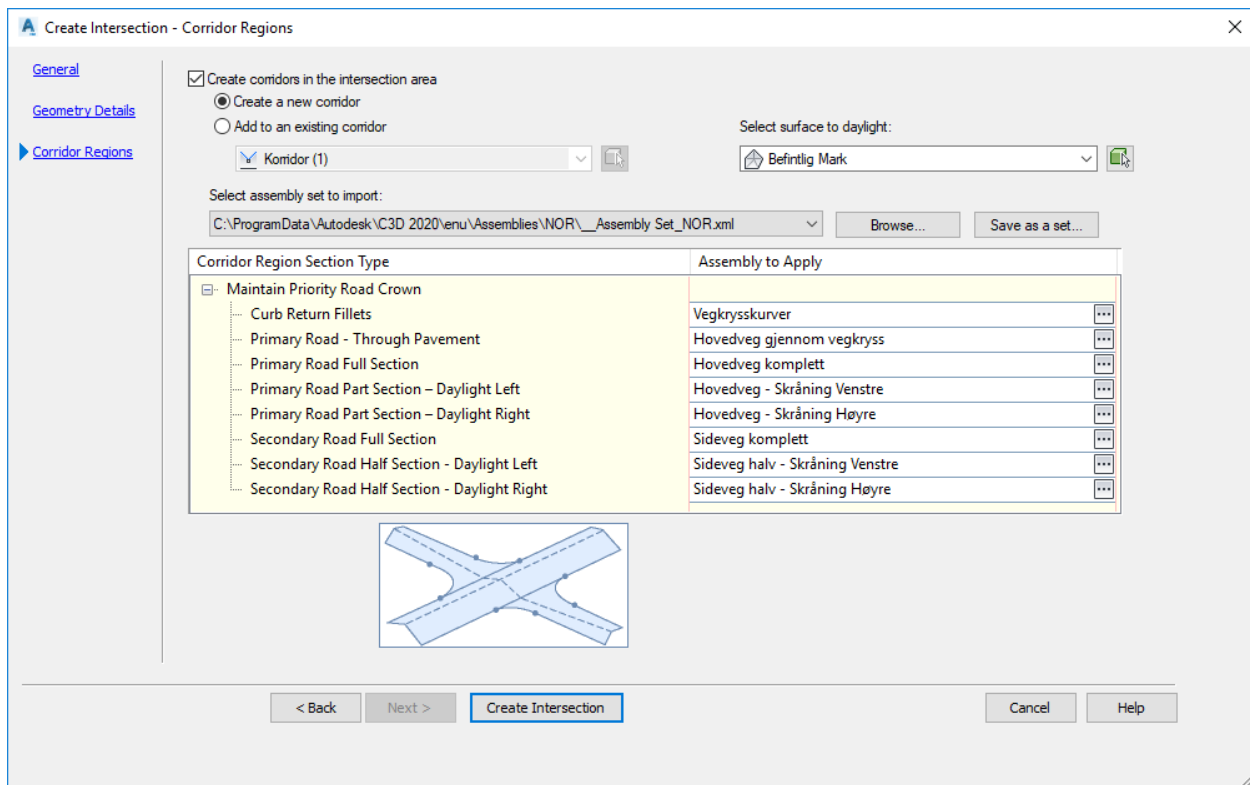
- General>Multipurpose Styles>Projection Styles: Two new styles have been added.
- General>Multipurpose Styles>Code Set Styles: Some styles where modified

■ New styles for Bridge



4.4 Modified Assembly Set (added to version 2021)

- The Assembly Set below has been modified.



4.5 Pay Item Files

- To better support BIM360, the Pay Item Files have been renamed from Ledninger-Kummer+Veg_NOR.csv and Ledninger-Kummer+Veg_NOR.xml to **NOR.csv** and **NOR.xml**. This is due to the limitation of number of characters in file search path and name in BIM360. However, the old files still remain in the installation to support older dwg-files.