

USACE AEC Application WorkSpace

User Manual

AEC Bentley CONNECT Edition
Workspace Version 4.0 (04/11/2023)



**US Army Corps
of Engineers®**

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I. Introduction

This document aims to inform the user of all the current USACE AEC CONNECT Edition WorkSpace (hereafter referred to as WorkSpace) resources, features and installation routines that pertain to the applications that are known as MicroStation (MS), ProjectWise (PW), OpenRoads Designer (ORD), OpenBuildings Designer (OBD), and ProStructures (PS) in the USACE Environment.

This document will be revised as the information is updated and revisions will be recorded in the revision table found in Section 2 “Table of Revisions”.

2. Table of Revisions:

[illegible]

3. New Project Creation

Introduction

The WorkSpace will be used to point to the user's Project Data by selecting the appropriate WorkSpace and WorkSet. The USACE WorkSpace already contains the two WorkSpaces the user is to choose from:

AEC_English_WorkSpace

AEC_Metric_WorkSpace

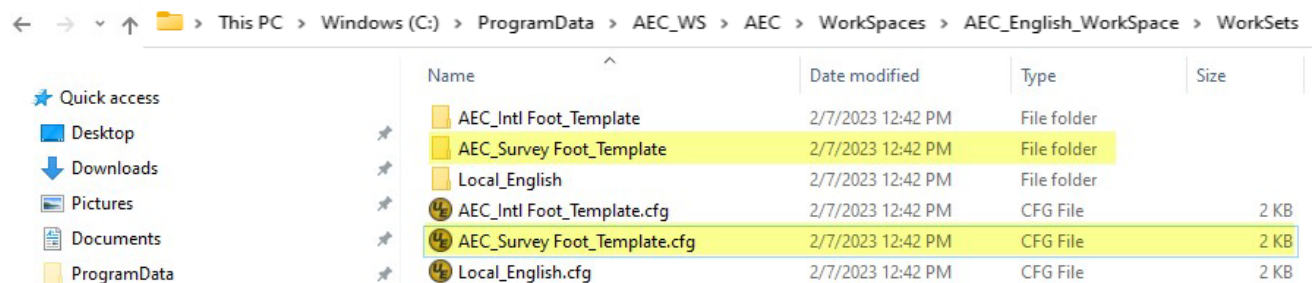
Local Project Creation

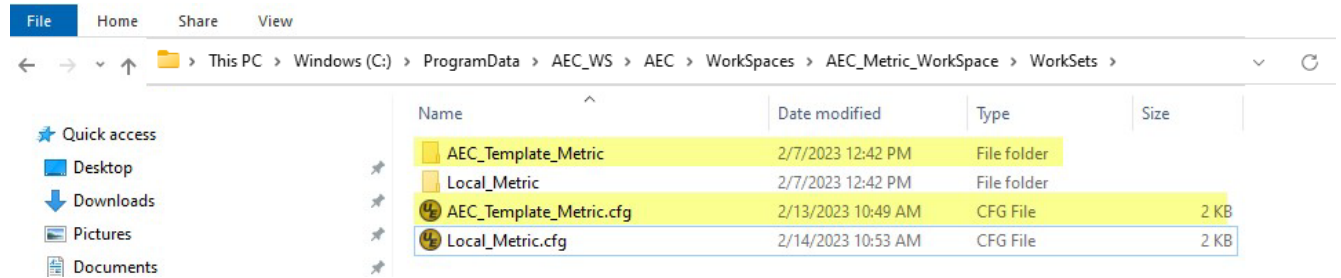
In this section the user will learn how to create a project specific WorkSet on their local hard drive.

STEP 1 – Copying the provided appropriate USACE “Template” WorkSet

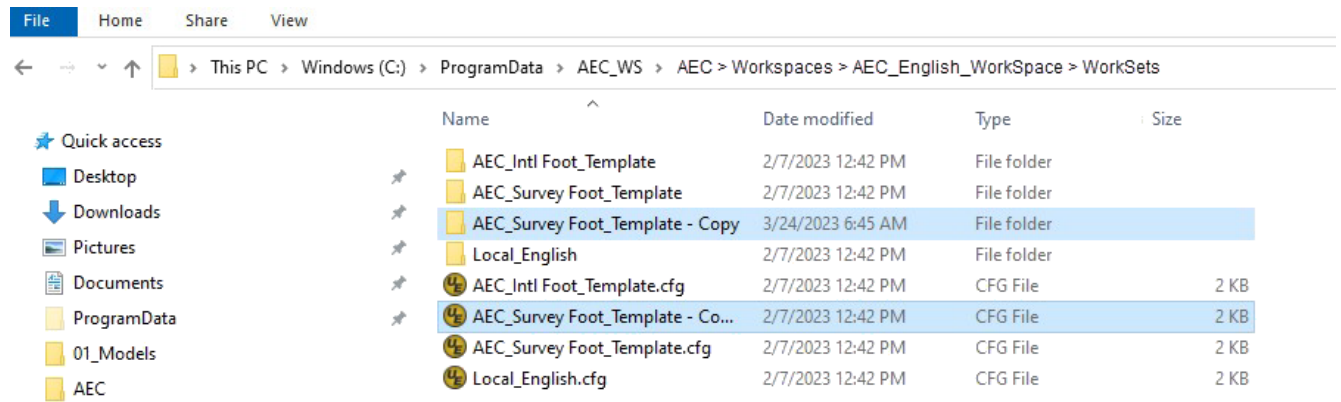
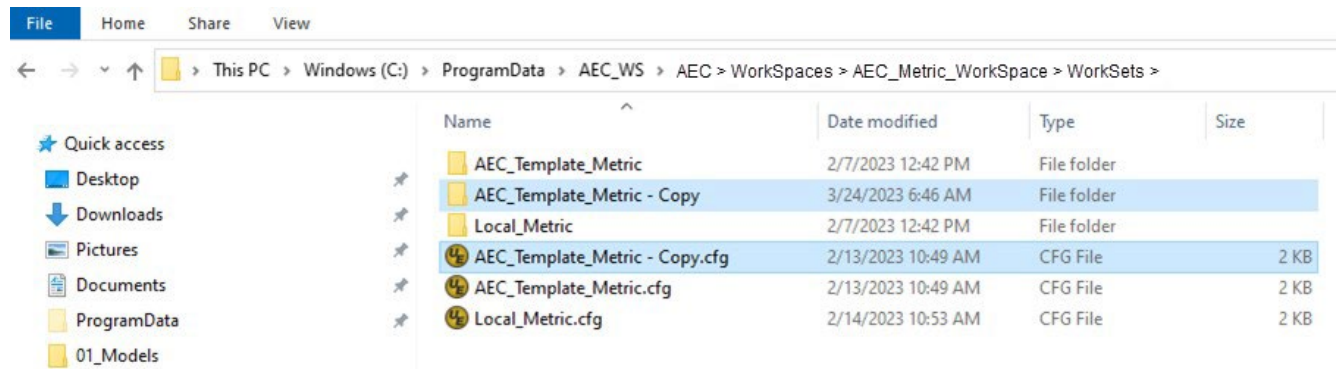
1. Close all Bentley products before proceeding to the next step.
2. Verify the local folder structure C:\ProgramData\AEC_WS\... is present. Refer to the “Workspace Installation Guide”, Local Install section.
3. Navigate to the following folder:

For English choose either AEC Survey Foot (shown hence forward) or AEC Intl Foot:

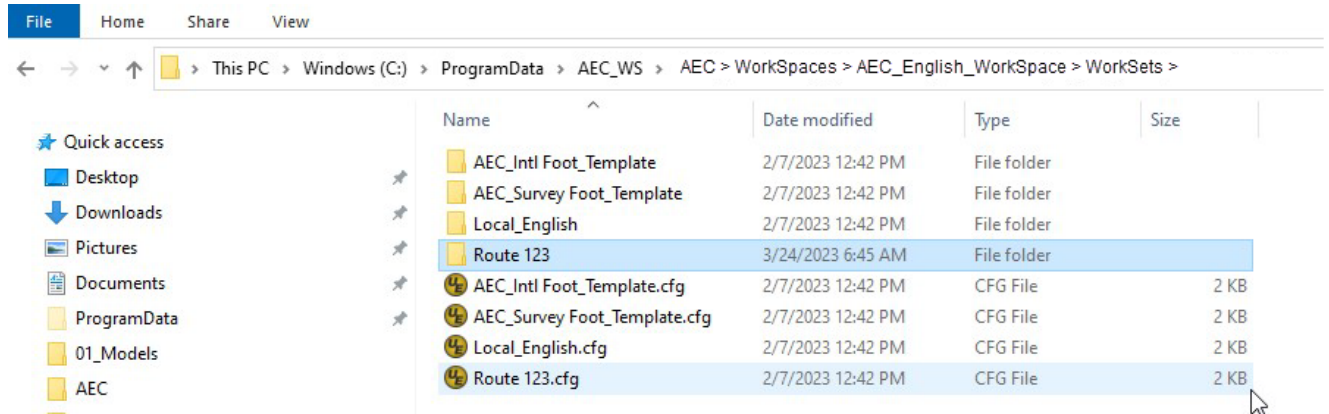


For Metric:

4. Make a copy and then paste the highlighted folder and file from Step 3 above. The results should be as follows:

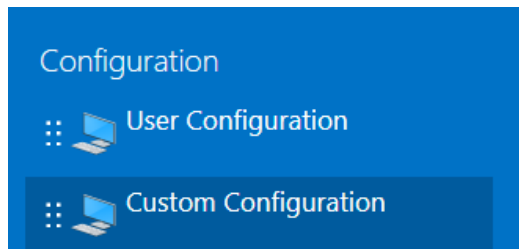
For English:**For Metric:**

5. Rename the copied folder and file making sure to spell their names exactly the same. An example is shown below:

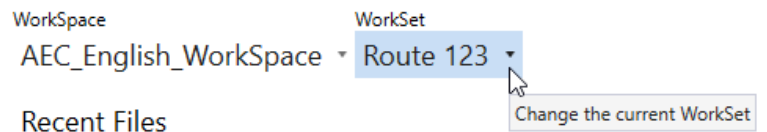


STEP 2 – Verifying the New WorkSet

1. Open MicroStation, OpenRoads Designer, Open Building Designer or Pro Structures using the icon in your Windows Start Menu Programs.
2. Verify the new WorkSet is listed and selectable.



OpenRoads Designer CE



Network Project Creation

Introduction

In this section the user will learn how to create a project specific WorkSet on their shared network drive. This can either be a UNC path or a mapped drive letter. Both examples will be shown.

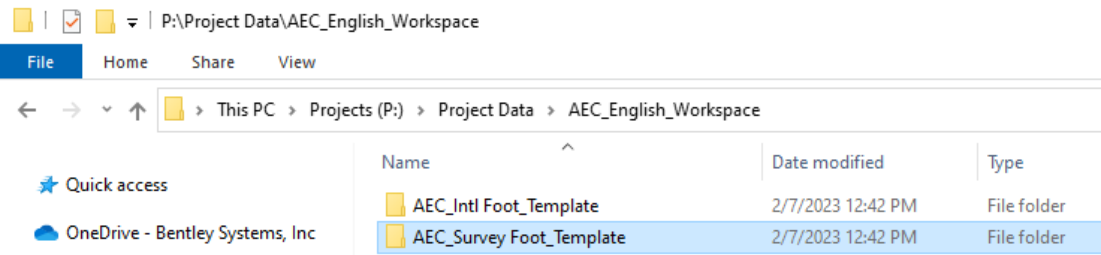
Prerequisite: Prior to these steps, recommend following the “Workspace Installation Guide”, Local/Network Installation – Moving the Project (Workset) folders section.

STEP 1 – Copying the installed “Template” WorkSet Folder

- 1. Close all Bentley products before proceeding to the next step.
- 2. Navigate to the network folder containing the Template WorkSet folder structure. The screen captures below will use the network folders utilized in “Workspace Installation Guide” for demonstrative purposes.

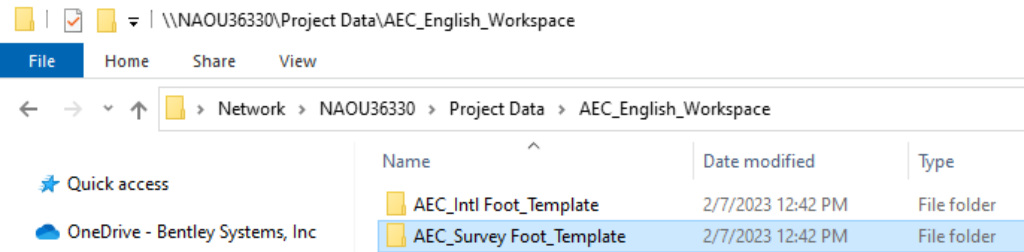
Note: Regardless of using Option 1 or Option 2 for WorkSet server relocations in “Workspace Installation Guide”, the folder location for the template WorkSet should be the same. The configuration files will however be in different locations and will be explained accordingly.

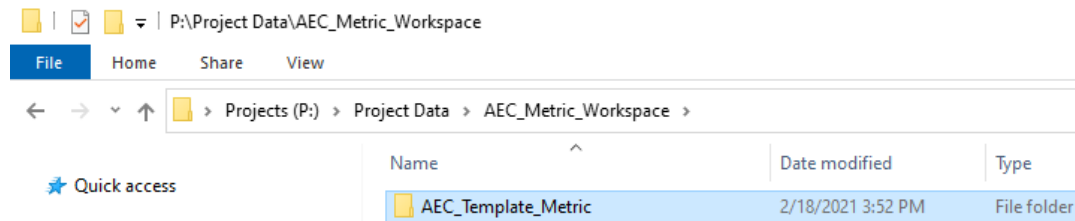
English Mapped Drive:



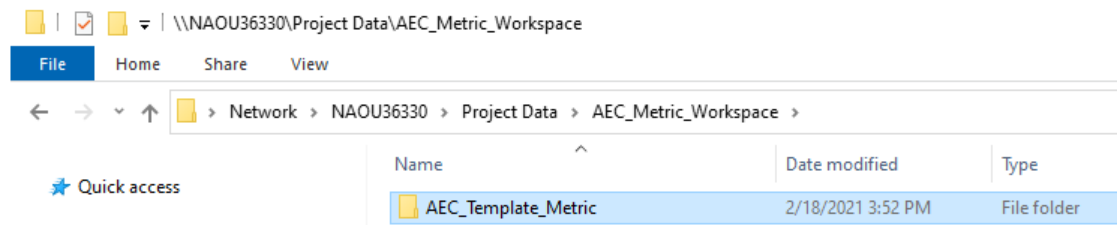
Or

English UNC Path:

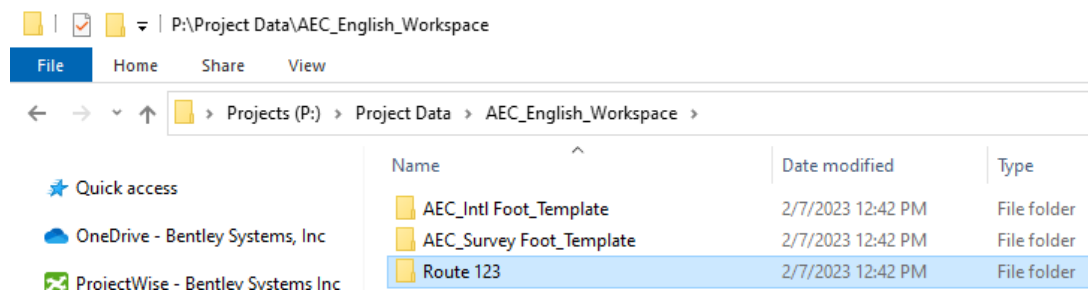


Metric Mapped Drive:

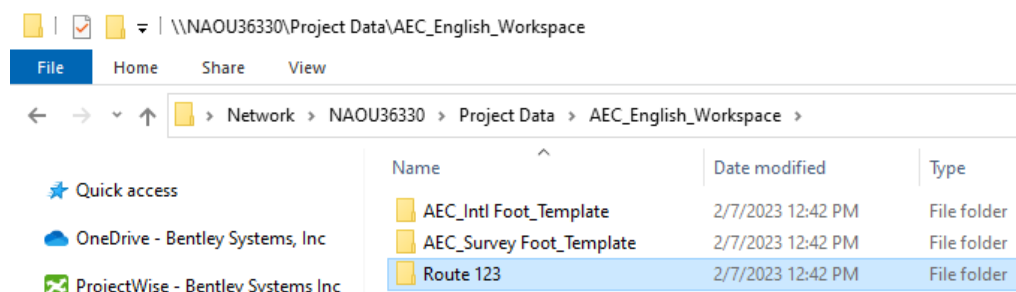
Or

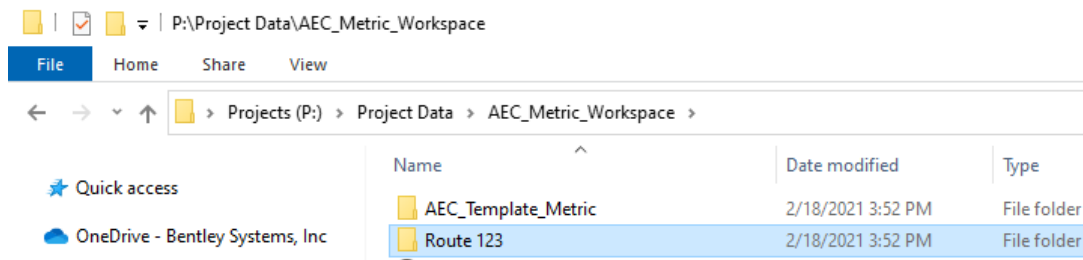
Metric UNC Path:

3. Make a copy and then paste the highlighted folder from Step 2 above. Once copied, rename the folder to your new Project name. The results should be as follows:

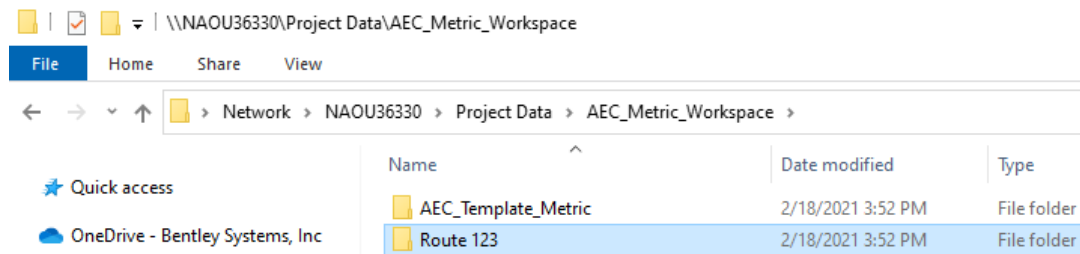
English Mapped Drive:

Or

English UNC Path:**Metric Mapped Drive:**

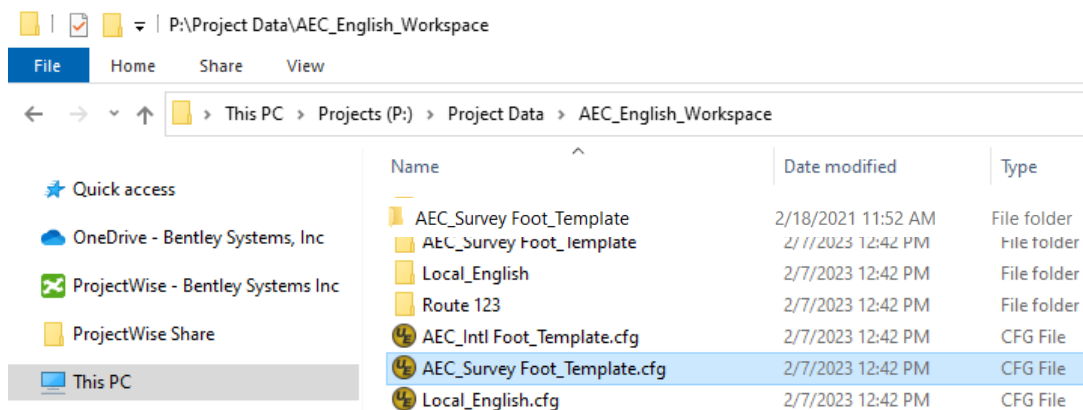


Or

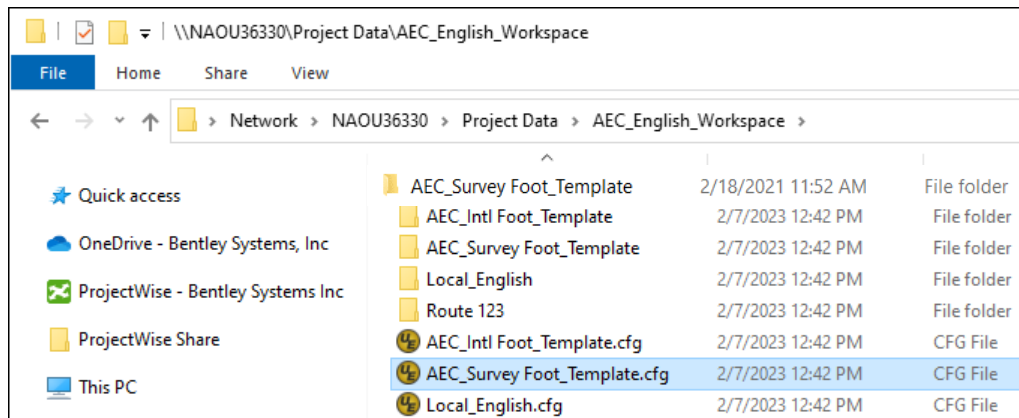
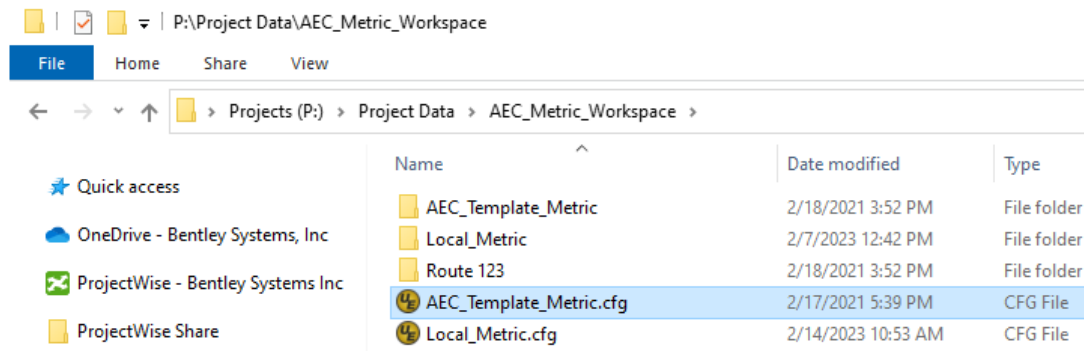
Metric UNC Path:**STEP 2 – Creating the new WorkSet configuration file – (Option 1 WorkSet Relocation Method)**

Note: Skip to [Step 3](#) below if [Option 2](#) was used for WorkSet relocation.

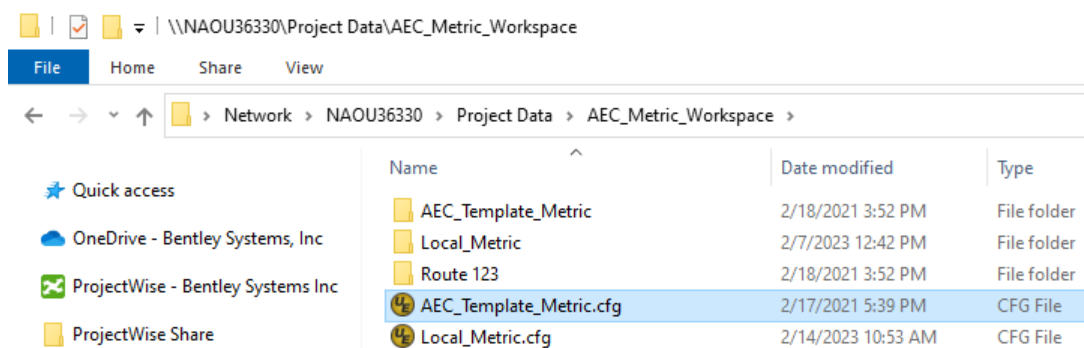
1. Navigate to the network folder containing the WorkSet configuration file from [Option 1](#) instructions. The screen captures below will use the network folders utilized earlier in "Workspace Installation Guide" for demonstrative purposes.

English Mapped Drive:

Or

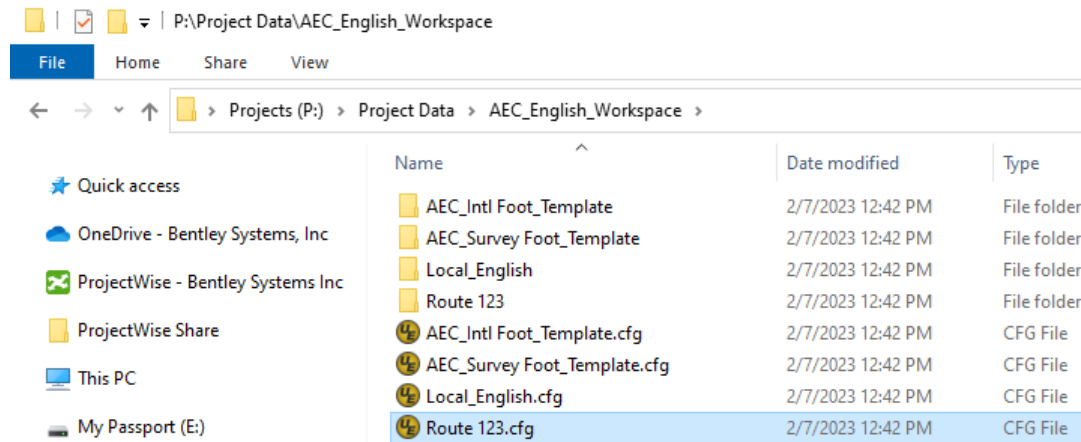
English UNC Path:**Metric Mapped Drive:**

Or

Metric UNC Path:

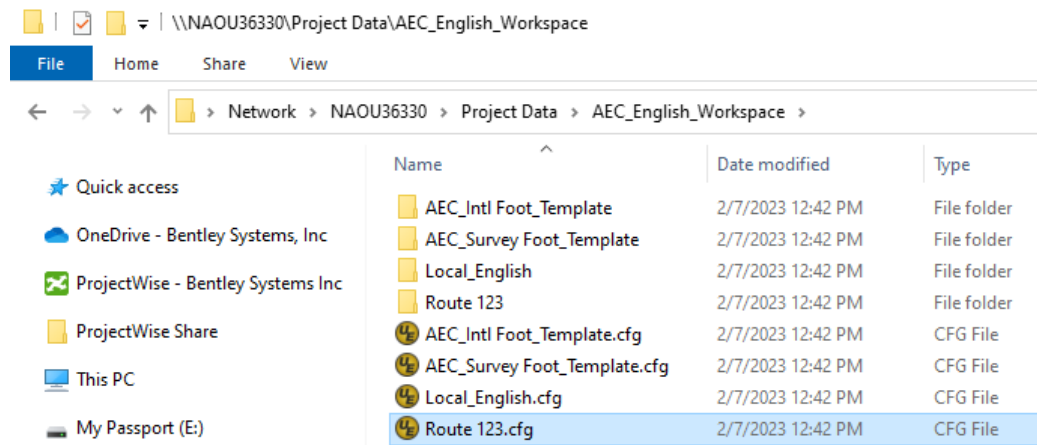
Make a copy and then paste the highlighted configuration file from [Step 1](#) above. Once copied, rename the file to your new Project name. The results should be as follows:

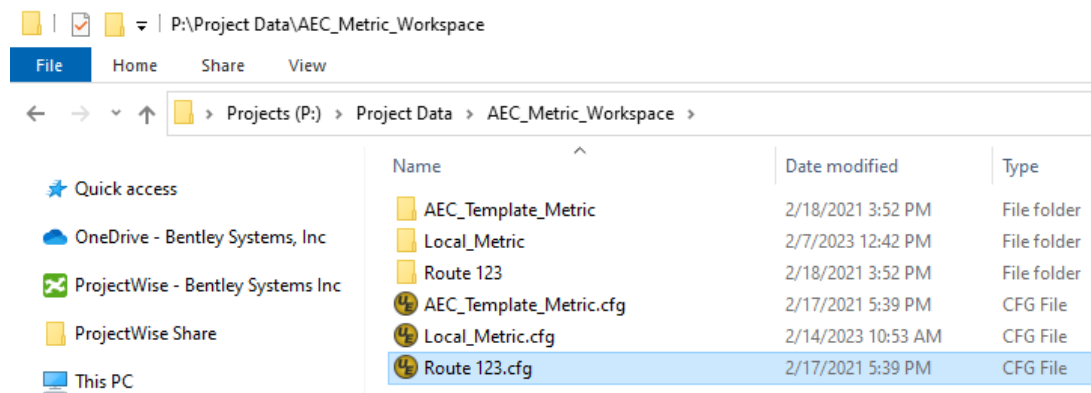
English Mapped Drive:



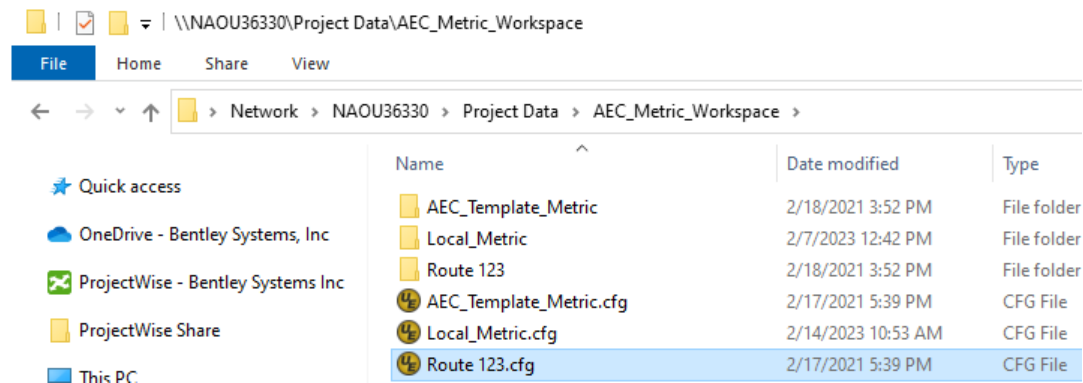
Or

English UNC Path:

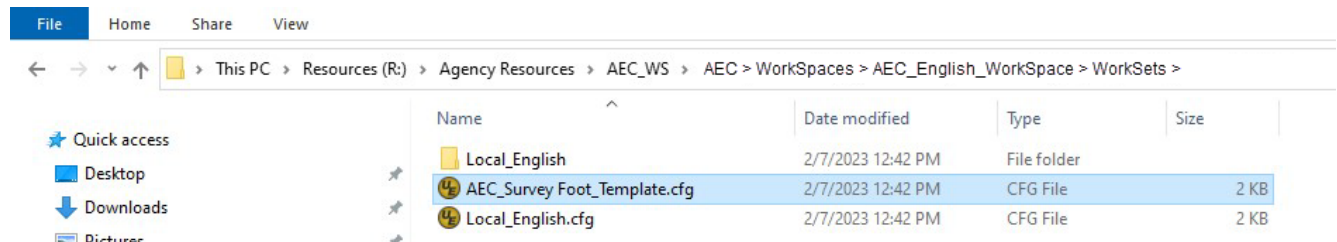


Metric Mapped Drive:

Or

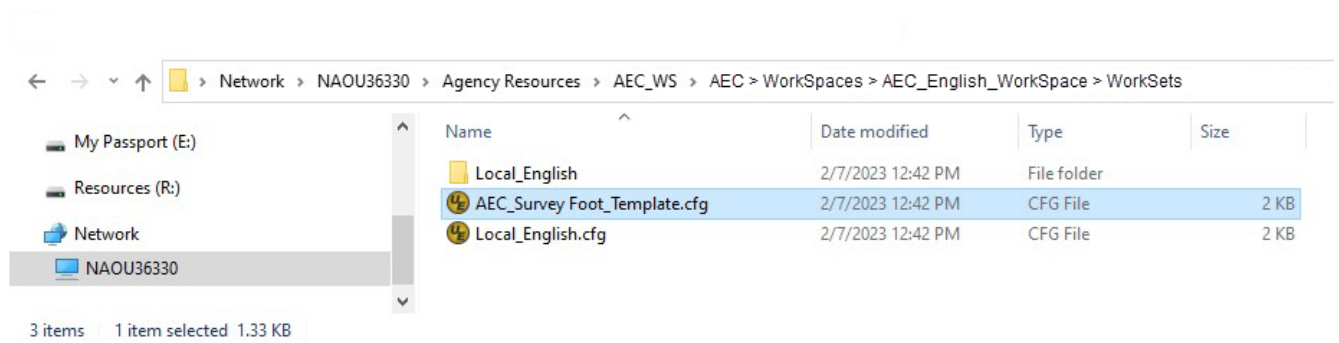
Metric UNC Path:**STEP 3 – Creating the new WorkSet configuration file – (Option 2 WorkSet Relocation Method)**

1. Navigate to the network folder containing the WorkSet configuration file from Option 2 instructions. The screen captures below will use the network folders utilized earlier in "Workspace Installation Guide" for demonstrative purposes.

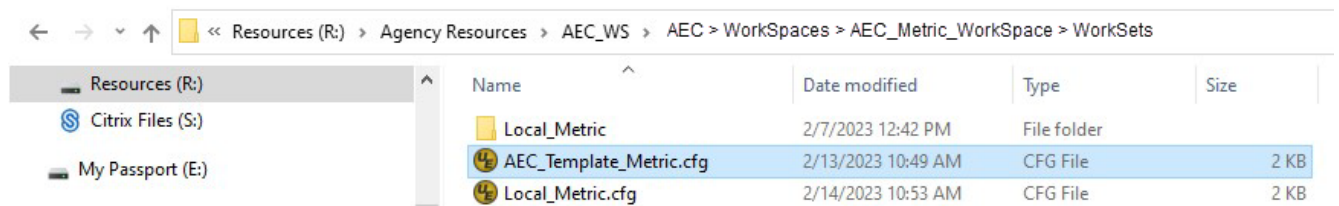
English Mapped Drive:

Or

English UNC Path:

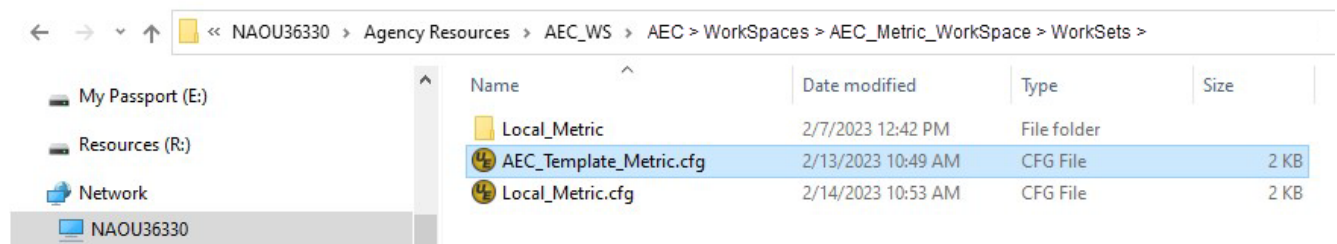


Metric Mapped Drive:



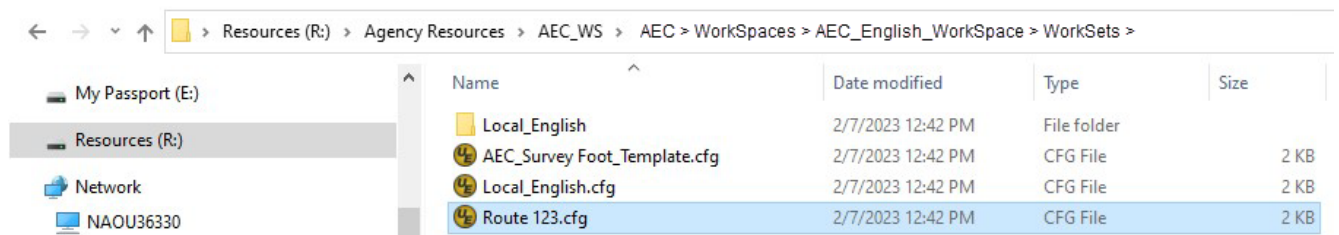
Or

Metric UNC Path:



2. Make a copy and then paste the highlighted configuration file from [Step 1](#) above. Once copied, rename the file to your new Project name. The results should be as follows:

English Mapped Drive:



Or

English UNC Path:

Name	Date modified	Type	Size
Local_English	2/7/2023 12:42 PM	File folder	
AEC_Survey_Foot_Template.cfg	2/7/2023 12:42 PM	CFG File	2 KB
Local_English.cfg	2/7/2023 12:42 PM	CFG File	2 KB
Route 123.cfg	2/7/2023 12:42 PM	CFG File	2 KB

Metric Mapped Drive:

Name	Date modified	Type	Size
Local_Metric	2/7/2023 12:42 PM	File folder	
AEC_Template_Metric.cfg	2/13/2023 10:49 AM	CFG File	2 KB
Local_Metric.cfg	2/14/2023 10:53 AM	CFG File	2 KB
Route 123.cfg	2/13/2023 10:49 AM	CFG File	2 KB

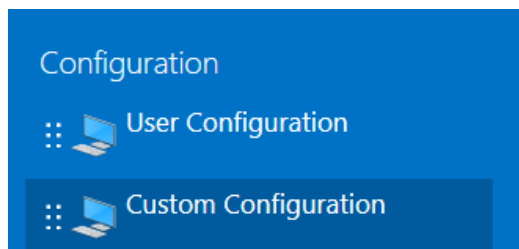
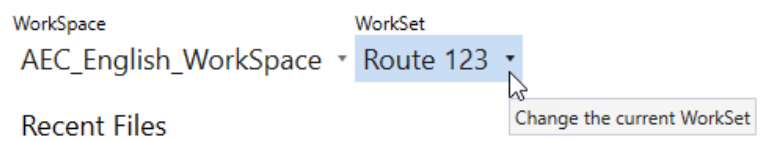
Or

Metric UNC Path:

Name	Date modified	Type	Size
Local_Metric	2/7/2023 12:42 PM	File folder	
AEC_Template_Metric.cfg	2/13/2023 10:49 AM	CFG File	2 KB
Local_Metric.cfg	2/14/2023 10:53 AM	CFG File	2 KB
Route 123.cfg	2/13/2023 10:49 AM	CFG File	2 KB

STEP 4 – Verifying the New WorkSet

1. Open MicroStation, OpenRoads Designer, Open Building Designer or Pro Structures using the icon in your Windows Start Menu Programs.
2. Verify the new WorkSet is listed and selectable.

**OpenRoads Designer CE**

ProjectWise Project Creation and Implementation

Introduction

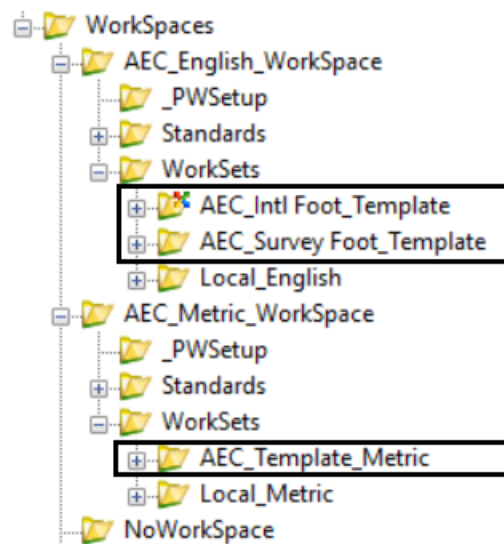
Setting up Projects in ProjectWise involves two main steps:

- Setting up a “*Template Project*”.
- Using the “*Template Project*” to create new projects.

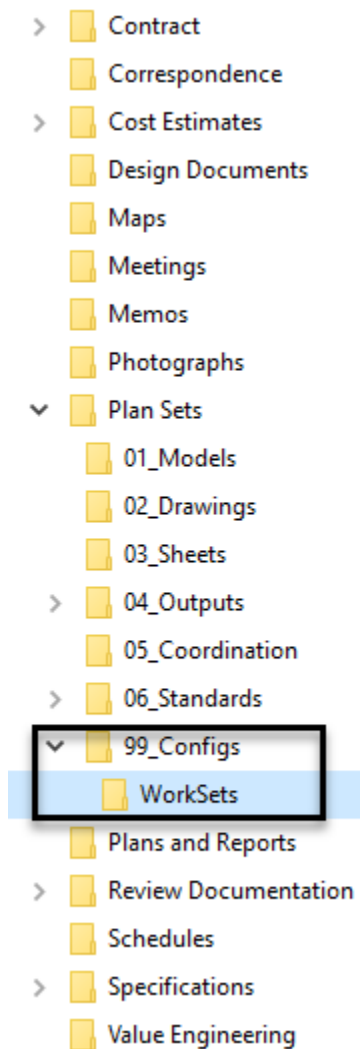
STEP 1 - Setting up the English and/or Metric Template Project(s)

1. Determine the location where the “*Template Projects*” will reside in ProjectWise.
2. Copy the “AEC_Intl Foot_Template” and “AEC_Survey Foot_Template” folder structures from the “AEC_English_WorkSpace > WorkSets” folder structure to the identified ProjectWise location in Step 1.1 above. Repeat the process for the “AEC_Template_Metric” folder structure.

Note: Shown below are the two supplied WorkSet folder structures intended to be used as initial “*Project Templates*”. Depending on the location of the Workspace Installation, these can be found under the specific Workspace folder within the Configuration (e.g., <Bentley Root>/<Configuration Name>/WorkSpaces/<Workspace Name>/WorkSet/..):



Note: In this new ProjectWise folder location from Step 1.2 above the subfolder entitled “99_Configs” as well as a subfolder called “WorkSets” under “99_Configs” (for English and Metric folders) as shown:

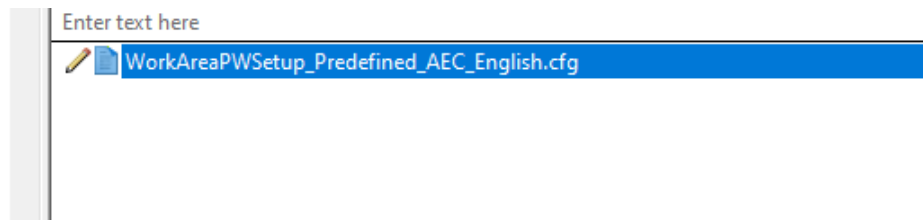
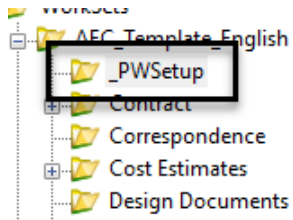
**Notes:**

- Do not copy the *.dgnws file from the local WorkSet root folder as this file will be automatically created upon the first opening of the project.

In the following steps, “Options” will be referred to. These “Options” were explained earlier in this document in the section entitled: “*Non-USACE Environments - Simple Dynamic Managed WorkSpace*”

3. Requirements for Dynamic Managed WorkSpace “**Option 2**” - **ONLY**:

Create a folder “_PWSetup” at the root of the **WorkArea** and copy the configuration file “WorkAreaPWSetup_Predefined*.cfg” from the template configuration location to the “_PWSetup” folder. (Note, this is the exact same step note in “OPTION 2 - Configuration File Located in the Work Area.”)



4. Apply the Managed WorkSpace to the WorkArea (Option 2 or 3)

Note: Depending on the selected option for implementing Bentley’s “Dynamic Managed WorkSpace”, either Option 2 (configuration file-based WorkSpace selection) or Option 3 (CSB based WorkSpace selection), the process is slightly different. For internal USACE implementation, Option 3 will be used below.

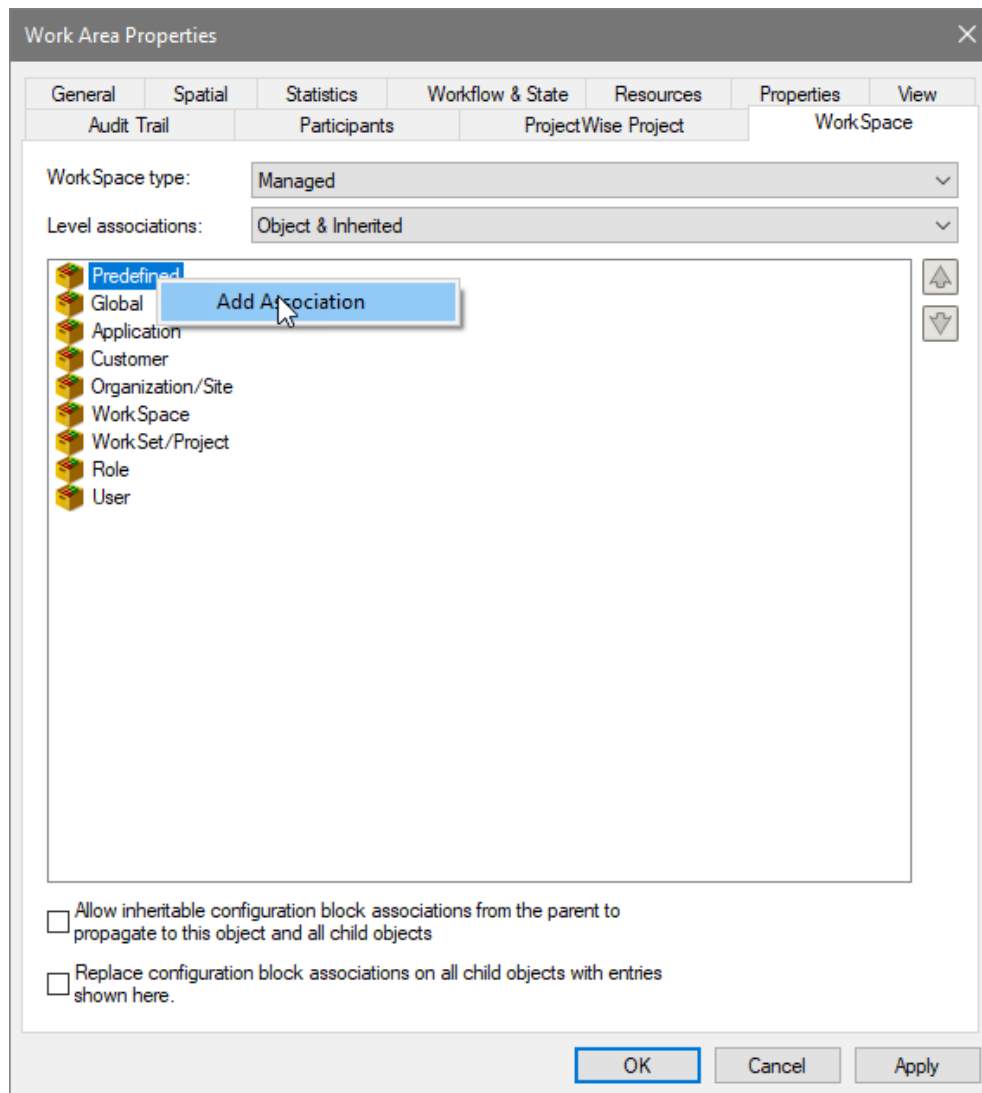
For Option 2:

Assuming that a **Common Predefined CSB** was created during the WorkSpace setup, apply that CSB to the root WorkArea folder.

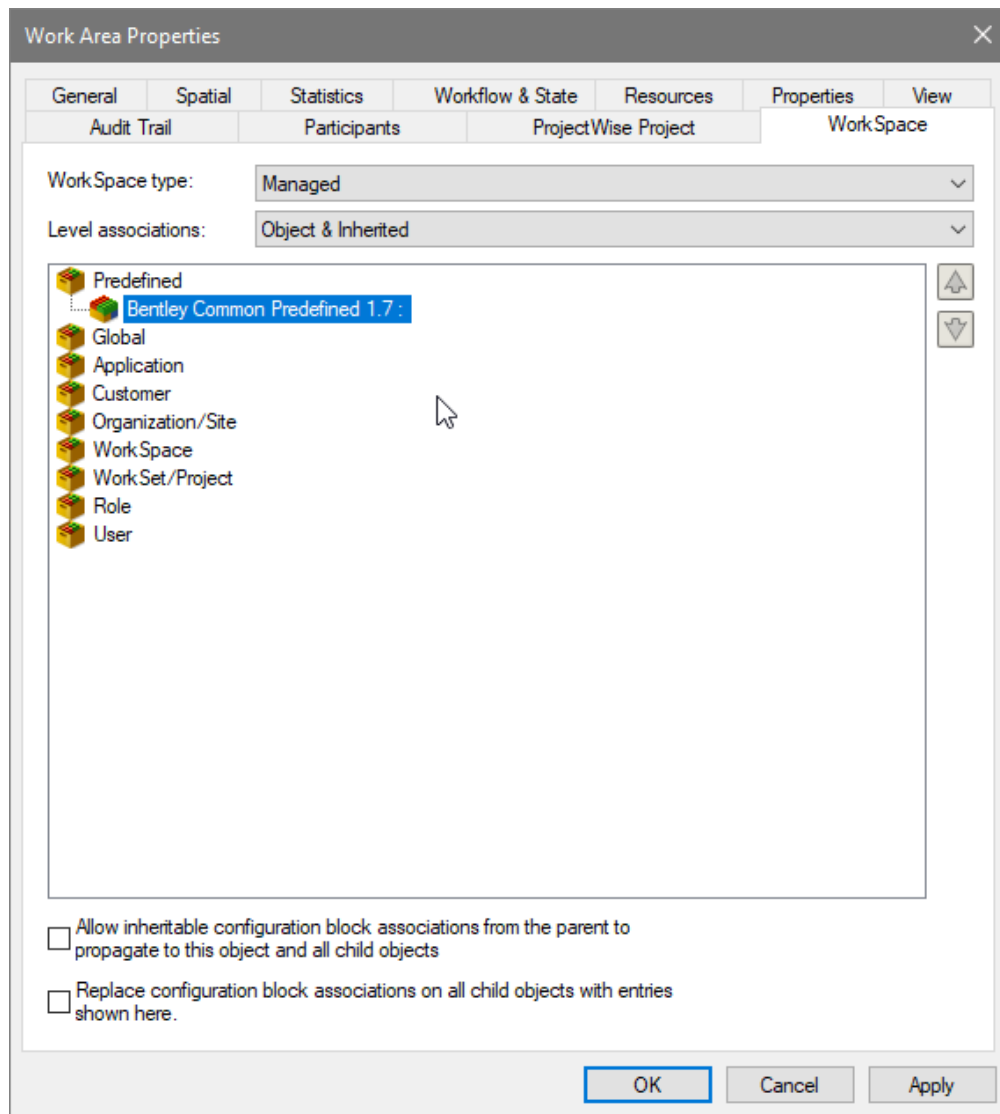
For Option 3:

Assuming that a **WorkSpace Specific CSB** was created during the WorkSpace setup, apply that CSB to the Root WorkArea folder.

5. To apply the Managed WorkSpace for either option 2 or 3 right click select Properties on the WorkArea root folder.
6. Select the WorkSpace tab, right click on “Predefined” and select Add Association.

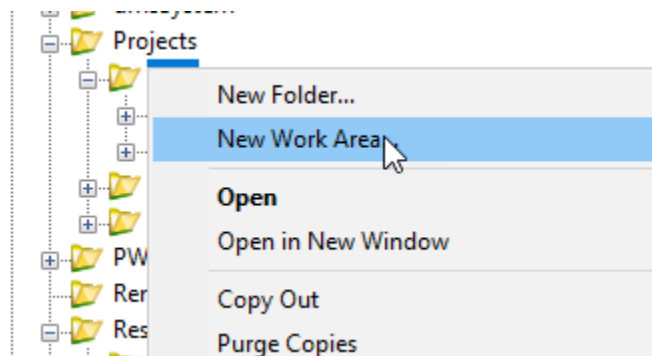


7. Select the CSB as needed for the WorkArea. The exact CSB will depend on the steps used in setting up the WorkSpace and if "Option 2" or "Option 3" were utilized. Shown in the next image is an example of what the results should look like for "Option 2".

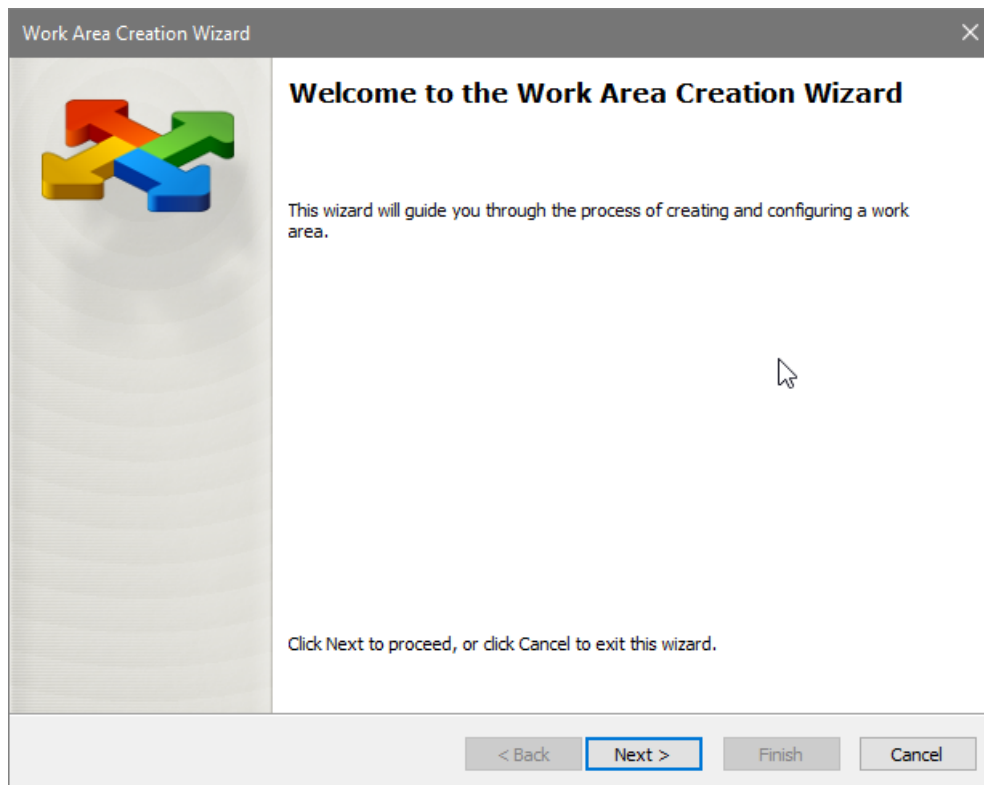


STEP 2 - Using the “Template Project” to create new projects

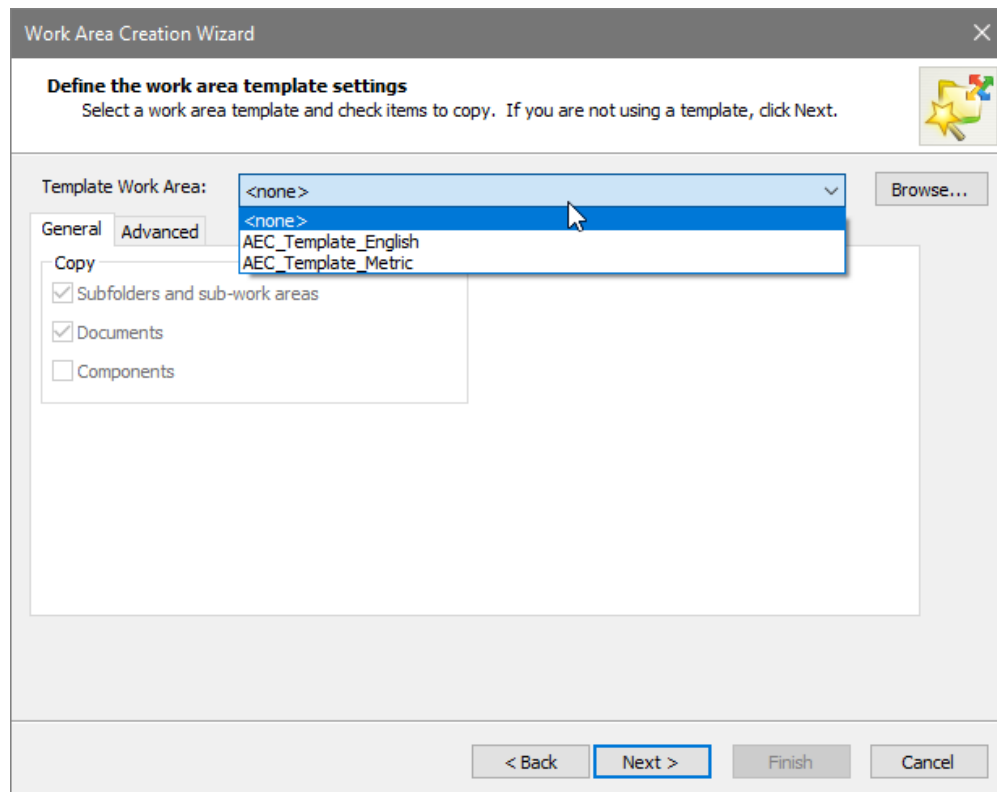
1. New Project projects should be created using the “New Work Area” right-click option.



The “*New Work Area*” option launches the “*Work Area Creation Wizard*” as shown:



2. There are two methods to create a WorkArea using the Creation Wizard tool:
 - If configured in ProjectWise Administrator, WorkArea templates may be available to select from.
 - If an appropriate WorkArea is not available, the “Browse” option can be selected.



Note: Consult your ProjectWise Administrator for detailed instructions on subsequent dialogs, appropriate storage areas, and potential environments that may have been setup prior.

4. Using Title Block Borders with Fields & Tags

MicroStation Text Fields

Introduction

The USACE WorkSpace Environment starting with WorkSpace version 3.3.03 or later will support the completion of preconfigured title block Text Field entries configured for a local or server installation environment. These title block entries are configured for either MicroStation Fields to be used outside of ProjectWise, or MicroStation Tags to be used inside of ProjectWise.

It should be noted, it is still acceptable to use Text Fields within the ProjectWise environment. Using Text Fields within the ProjectWise environment is the same as using them in a local or server installation, as described in this section.

In this pre-configured Title Block DGN file, both MicroStation Text Fields and Tags are included. The Text Fields will be on a level entitled G-ANNO-TEXT-FLDS and the Tags will be on a level entitled G-ANNO-TEXT-TAGS. The user will simply turn off the level that is not used. In this section of the document, MicroStation Text Field usage will be covered. For instructions on using Tags in a ProjectWise Environment, see section titled “MicroStation Tags with ProjectWise Environment”.

Important: For the title block annotation to function as expected, the MicroStation DGN files must be created with the USACE WorkSpace version 3.3.03 or later as multiple changes were made to accommodate this functionality.

The USACE WorkSpace utilizes MicroStation Item Types that are linked to these Text Fields. By linking the Text Fields to the Item Types, the user can complete all the information inside the Properties Panel. There are three distinct types of Text Fields within the USACE title block.

- **WorkSet Property Fields** – These text fields are associated with the active WorkSet and will result in the same label for all drawings associated with the WorkSet.
- **File Property Fields** – These text fields are associated with each MicroStation DGN file.
- **Model Property Fields** - These text fields are associated with each sheet model within a single MicroStation DGN file.

Note: Refer to the A/E/C Managers Guide Release 1.5 pages 45-47 located at [https://caddbimcenter.erdc.dren.mil/Downloads/CAD/AEC Work Structure/AEC WS 001 Managers Guide.pdf](https://caddbimcenter.erdc.dren.mil/Downloads/CAD/AEC%20Work%20Structure/AEC_WS_001_Managers_Guide.pdf) for a complete listing of all the different field names along with their descriptions.

STEP 1 – Completing the WorkSet Property Fields

1. Open the desired Bentley product (MS, ORD, OBD, or PS) and select the appropriate Workspace and WorkSet as shown:

MicroStation CONNECT Edition

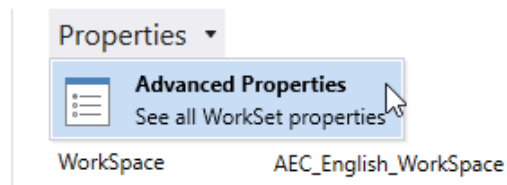
Workspace WorkSet
AEC_English_WorkSpace Route 123

Recent Files

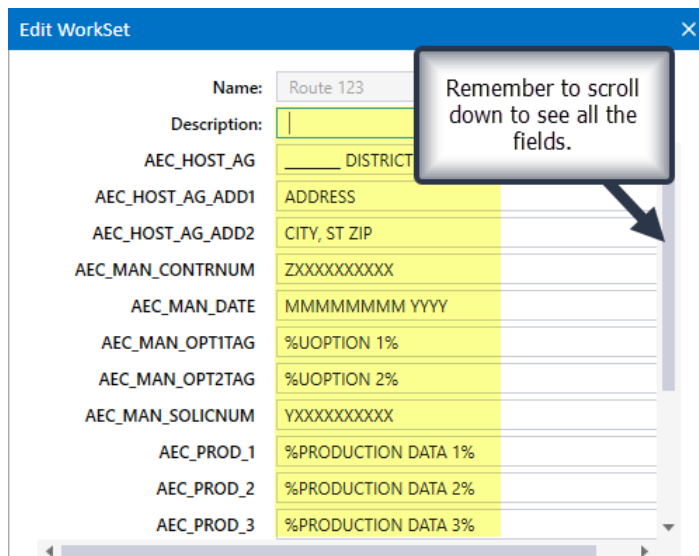
You haven't opened any files recently. To browse for a file, start by clicking on Browse.



2. To the right of the Workspace / WorkSet selection area, select the *WorkSet Properties > Advanced Properties* drop down as shown:



3. Edit the WorkSet custom property fields as required:

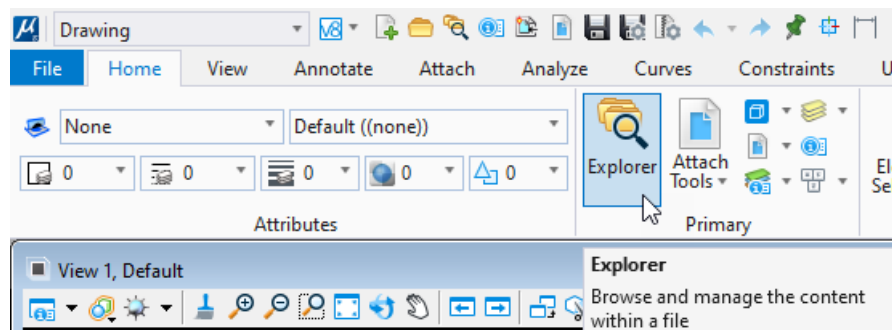


Note: The *PRODUCTION DATA* fields if not edited, will be replaced with the plot date, design script, etc. from the plotter configuration file.

STEP 2 – Completing the File Property Fields

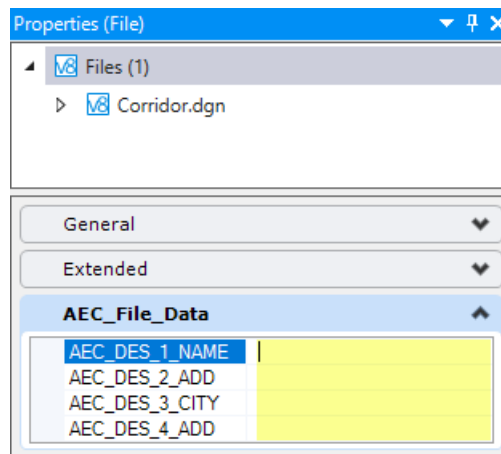
With the WorkSet properties now completed in Step 1, it is now time to modify the File property fields if required. These fields are typically used for Design Firms to complete.

1. Open the desired Bentley product (MS, ORD, OBD, or PS) and select the appropriate Workspace and WorkSet.
2. Open any MicroStation DGN file containing sheet models with Title block(s). Navigate to any model in the DGN file.
3. In MicroStation, open Explorer:



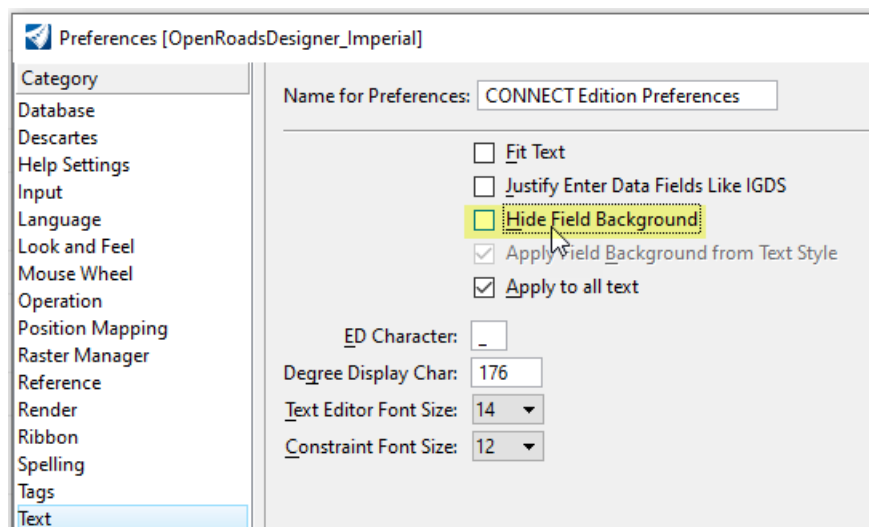
4. In the “File” category of Explorer, right mouse-click on the active DGN file name to open the MicroStation Properties Panel.

5. Complete any of the four available file properties:



6. If not already in a sheet model, switch to a sheet model with a title block. Now turn off the level entitled “G-ANNO-TEXT-TAGS” and Save Settings.
7. To see the file text fields update in the title blocks of the DGN file, switch to another sheet model and the updates will take place automatically. If you are already in the sheet model you want to update, use the MicroStation key-in command FIELD UPDATE ALL FILE or UPDATE ALL FIELDS tool from the ribbon to make the title block refresh with the File Text Fields in all sheet models containing these fields.

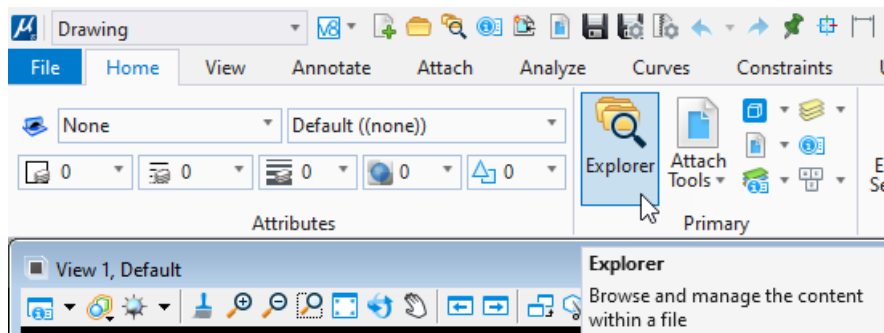
User Tip: To visually see the empty Text Fields in the Sheet Model, in the User Preferences, disable (uncheck) the option to “Hide Field Background”. This is enabled (checked) by default.



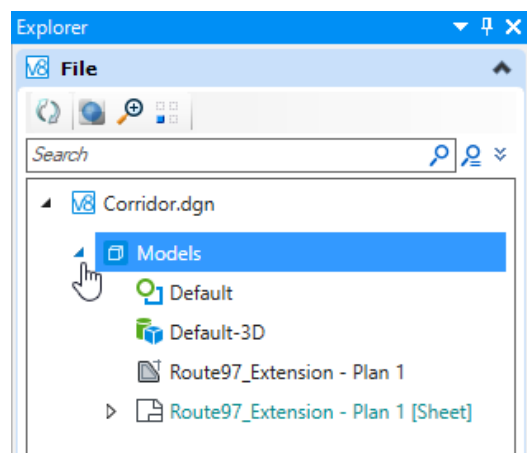
STEP 3 – Completing the Sheet Model Property Fields

With the WorkSet and File properties now completed in Steps 1 and 2, it is now time to modify the Sheet Model property fields. These fields are unique for each individual sheet model. If your DGN file has several sheet models and all models require the same change, Explorer allows the user to multi-select any number of sheet models prior to making the change to the text field properties, thus allowing one, many or all sheet models to be updated at once.

1. Open the desired Bentley product (MS, ORD, OBD, or PS) and select the appropriate Workspace and WorkSet.
2. Open any MicroStation DGN file containing sheet models with Title block(s). Navigate to any sheet model in the DGN file.
3. In MicroStation, open Explorer:

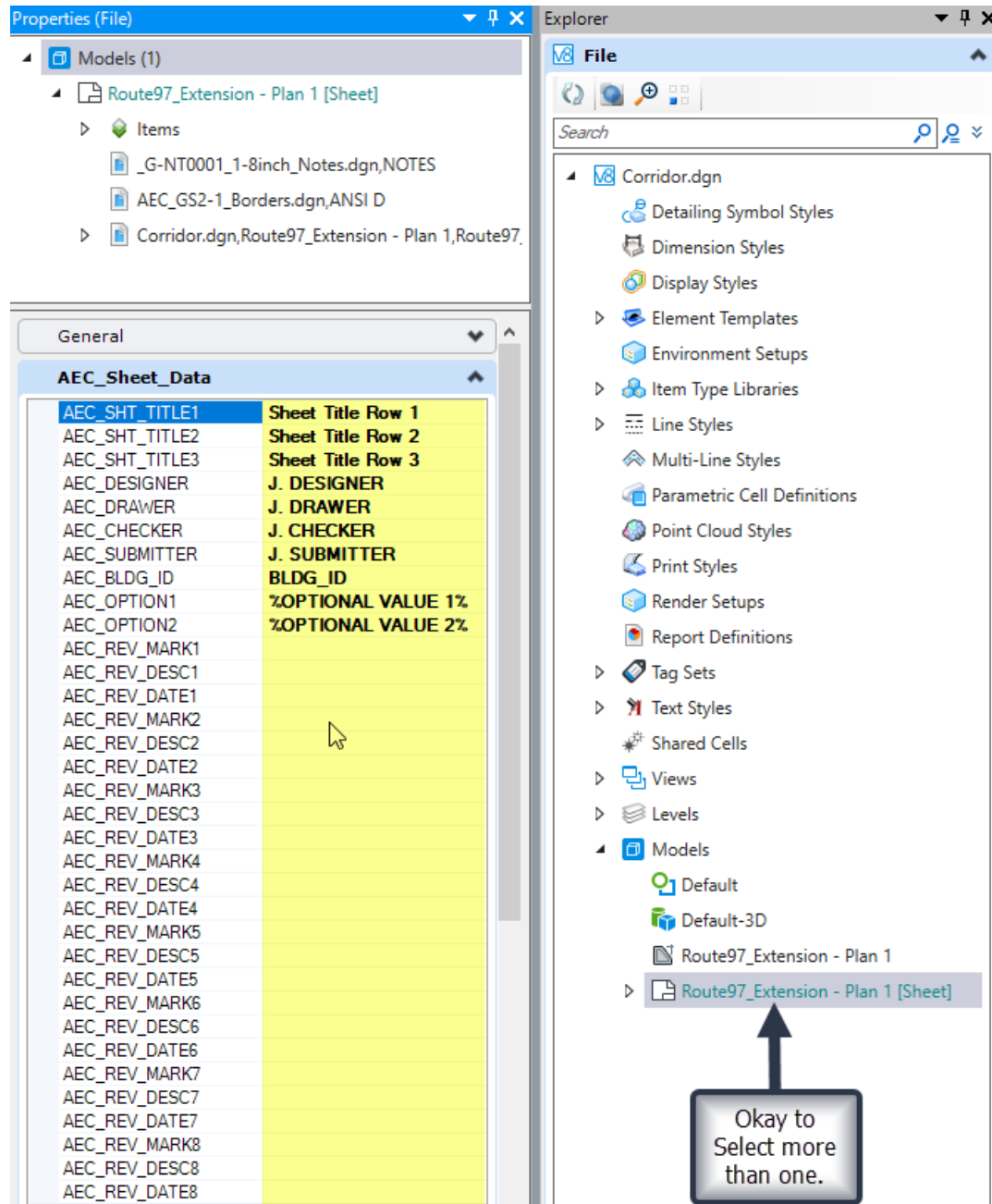


4. In the “File” tab, expand the “Models” category:



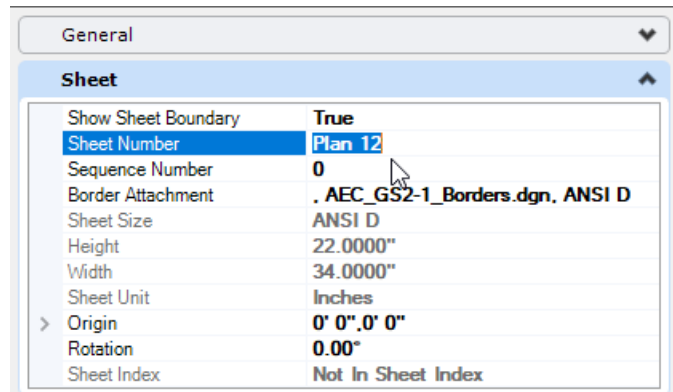
5. Using the left mouse button select a single sheet model or if multiple sheet model changes are desired with the same change, hold down the CTRL key on the keyboard while using the left mouse button to select multiple sheet models.

6. With the appropriate Sheet Model(s) now selected, proceed to modify any or all the “AEC_Sheet_Data” fields:



Note: These changes will update instantly in the Title Block.

7. To change the SHEET ID, in the Properties panel navigate to the “*Sheet > Sheet Number*” property field:



MicroStation Tags with ProjectWise Environment

Introduction

Title block integration is the process of exchanging information between design files (MicroStation or AutoCAD) and ProjectWise from a single source of information stored in a database. The primary purpose of Title Block Integration is to automate the placement of a document's attribute information into the design file. The attribute data in ProjectWise is linked to the tag data in the design file.

There are many benefits to using Title block Attribute Exchange. For instance, it helps to increase data accuracy because the title blocks are reviewed and approved, where ProjectWise attributes typically are not. It also reduces redundant data entry. The user only needs to fill in the data once, and it is then reflected in both the drawing and ProjectWise. Depending on how the specific ProjectWise environment has been set, one could possibly make use of workflow or other status information from ProjectWise and an included ProjectWise file path to the location in the drawings title block. Example: If setup by the ProjectWise administrator, any "WorkArea" properties can be used to automatically fill in the specific document properties, like "60% submittal".

Setting up Title block Attribute Exchange requires access as a ProjectWise Administrator and as such, it is not covered in this document. This section assumes the environment is previously configured in your ProjectWise Environment.

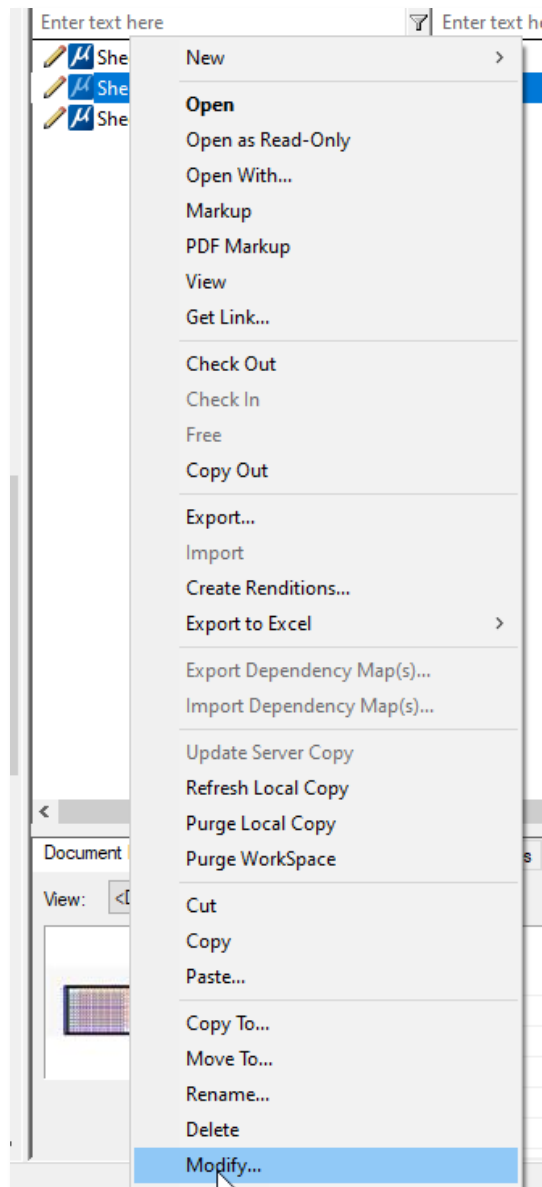
Note: Once enabled, title block data (that has been appropriately setup) is entirely controlled by the ProjectWise Attributes. If the ProjectWise Attributes are blank, or incorrect, opening a design file from ProjectWise could overwrite the title block data in your files. To avoid this, when first configuring Attribute Exchange, verify the Attribute Exchange rules in the PW Administrator are turned off until your ProjectWise Attributes are updated appropriately.

Using Title Block Attribute Exchange.

Attribute Exchange is primarily done through the modify option on any document. However, attributes can be derived from the “Work Area” Properties (Project Properties) which are mapped to fill in document specific properties. These edits are made at the “Project” level. As indicated previously this will depend on the ProjectWise environment that has been setup in that specific datasource.

STEP 1 – Modifying the Attribute Exchange Data

1. Right-click on a file in ProjectWise to choose “Modify...”



The tab name will vary depending the actual environment name being used. This example shows a sample environment called “*Common MVD (2005-11-03)*”, the mapped attributes, and their current values.

Notes:

- The scroll bar on the right allows additional attribute edits.
- Changes can be made to multiple files at the same time by selecting multiple files then selecting the “*Modify...*” option.

2. Select “*Apply*” to save the changes.

Note: Check boxes are available (when multiple files are selected) to identify which values should be applied.

Alternatively, values may be changed by selecting the file “*Properties*” option and choosing the “*Attributes*” and/or “*More Attributes*” tabs. Remember to select “*Save*” to retain your changes.

LD9GCR_G-101---.dgn

General Security Attributes More Attributes File Properties Audit Trail WorkSpace Spatial

SHEET DRAWING INTERFACE

PROJECT NAME: LOCK AND DAM 9 GUIDEWALL CRIB REPAIR

PROJECT LOCATION: LOCK AND DAM 9

RIVER/SITE LOCATED IN WHICH DISTRICT: MVP

PROJECT RIVER/LAKE/SITE: MISSISSIPPI RIVER

PROJECT FEATURE: LOCK REHABILITATION

Sheet Title Line 1: SITE MAP

Sheet Title Line 2: LOCK & DAM 9

Sheet Title Line 3:

PROJECT CODE: LD9GCR Design File Number: M-L9-10/065

Sheet Identification Number: G-101 Checked By: CAA

Designed By: PRF Submitted By: T. SULLY

Drawn By: PRF/DPF Scale:

Issue Date: 5/15/2017 12:00:00 J Sheet Size:

SOLICITATION NUMBER: W912ES-17-B-0002 Plot Request: \$DATES

Construction Contract Number: W912ES-17-C-0005

Vertical Datum: NAVD 88 Horizontal Datum: NAD 83 (2011)

Map Projection: WI SPCS, SOUTH ZONE-U.S. SURVEY FT.

Save Undo Close < < 4/20 > >

Shown below, additional attributes may exist on the “*More Attributes*” tab. These dialogs may vary from District Datasource to District Datasource.

LD9GCR_G-101---.dgn

General Security Attributes More Attributes File Properties Audit Trail WorkSpace Spatial

SHEET_SEQ_NO

Project Title Line 4 (city, state): LYNXVILLE, WI

Geoid Epoch (Vertical Datum): 12A

Correction Scale (Horizontal Datum): 0.9999697849

Comments:

AGENCY NAME: U.S. ARMY CORPS OF ENGINEERS

AGENCY/DISTRICT OFFICE: ST. PAUL DISTRICT

AGENCY LOCATION: ST. PAUL, MINNESOTA

AE Vendor Name:

AE Vendor Address Line 1:

AE Vendor Address Line 2:

AE Vendor Location:

AE Vendor ID:

P2 NUMBER: 450390

Document Type: AEC CADD SHEET FILE

Document Subtype:

VAULT: CEMVP

Lifecycle Phase:

Discipline: seed

Contract Number:

PRC Number:

Administrative Record Number (HTRW only):

Save Undo Close < < 4/20 > >

LD9GCR_G-101---.dgn

General Security Attributes More Attributes File Properties Audit Trail WorkSpace Spatial

Fiscal Year: FY2010

Tract Number (Real Estate only):

COUNTRY: UNITED STATES

STATE: WI

COUNTY/PARISH: CRAWFORD

CITY: LYNXVILLE

CONGRESSIONAL DISTRICT: WI07

Issue Block No. 01:

Issue Block Date No. 01: SEPT 2021

Issue Block Description No. 01: AS-BUILT AS OF JAN 2020

Issue Block Approval No. 01: JLF

Issue Block No. 02:

Issue Block Date No. 02:

Issue Block Description No. 02:

Issue Block Approval No. 02:

Issue Block No. 03:

Issue Block Date No. 03:

Issue Block Description No. 03:

Issue Block Approval No. 03:

Issue Block No. 04:

Issue Block Date No. 04:

Issue Block Description No. 04:

Issue Block Approval No. 04:

Save Undo Close < < 4/20 > >

LD9GCR_G-101---.dgn

General Security Attributes More Attributes File Properties Audit Trail WorkSpace Spatial

ISSUE_01

ISSUE_01_DATE: SEPT 2021

ISSUE_01_DESC: AS-BUILT AS OF JAN 2020

ISSUE_02

ISSUE_02_DATE

ISSUE_02_DESC

ISSUE_03

ISSUE_03_DATE

ISSUE_03_DESC

ISSUE_04

ISSUE_04_DATE

ISSUE_04_DESC

ISSUE_05

ISSUE_05_DATE

ISSUE_05_DESC

ISSUE_06

ISSUE_06_DATE

ISSUE_06_DESC

ISSUE_07

ISSUE_07_DATE

ISSUE_07_DESC

ISSUE_08

Save Undo Close < < 4/20 > >

LD9GCR_G-101---.dgn

General Security Attributes More Attributes File Properties Audit Trail WorkSpace Spatial

----- SHEET ID -----

BLDG TYPE
SHEET REF #
G-101

----- SHEET TITLE -----

LINE 1
SITE MAP
LINE 2
LOCK & DAM 9
LINE 3

----- MANAGEMENT BLOCK -----

DESIGNED BY: (J. DESIGNER)
PRF
DRAWN BY: (J. DRAWER)
PRF/DPF
CHECKED BY: (J. CHECKER)
CAA
SUBMITTED BY: (J. SUBMITTER)
T. SULLY

AS-BUILT NO.
M-L9-10/065
FILE SHEET SIZE

----- GEOSPATIAL INFORMATION -----

VERTICAL DATUM: HORIZONTAL DATUM: GEOID EPOCH CORRECTION SCALE:
NAVD 88 NAD 83 (2011) 12A 0.9999697849

MAP PROJECTION
WI SPCS, SOUTH ZONE-U.S. SURVEY FT.

Save Undo Close 4/20

Once values are entered, the next time the dgn file is opened, the title block will be updated with the ProjectWise document Attribute Exchange data.

Example corresponding values in DGN file.

ELEVATION DATUM (VERTICAL CONTROL): NAVD 88 GEOID12A		COORDINATE SYSTEM (HORIZONTAL CONTROL): NAD 83 (2011) WI SPCS, SOUTH ZONE-U.S. SURVEY FT. COMBINED FACTOR (CF): 0.9999697849			
M-L9-10/065 Sheet ID G-101	LOCK AND DAM 9 GUIDEWALL CRIB REPAIR MISSISSIPPI RIVER LOCK AND DAM 9 LYNXVILLE, WI SITE MAP LOCK & DAM 9	U.S. ARMY CORPS OF ENGINEERS ST. PAUL DISTRICT ST. PAUL, MINNESOTA	DESIGNED BY: PRF	DATE: 2017/05/15	
			DWN BY: PRF/DPF	CKD BY: CAA	SOLICITATION NO.: W912ES-17-B-0002
			SUBMITTED BY: T. SULLY	CONTRACT NO.: W912ES-17-C-0005	
			PLOT SCALE: SDATES	FILE NUMBER: M-L9-10/065	
SIZE:		FILE NAME: LD9GCR_G-101---.dgn			
AS-BUILT					

STEP 2 – Editing Title Block While Working in a Sheet File.

The Title Block attributes can be edit when while in the dgn file is open.

MicroStation key-in commands from MicroStation, OpenRoads Designer, OpenBuildings, ProStructures or another Bentley program are available to assist with this:

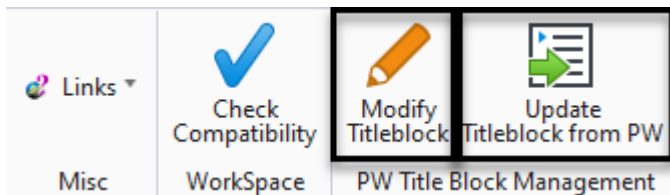
TITLEBLOCK MODIFY

Opens the “*Properties*” dialog, whereby edits can be made directly to ProjectWise.

TITLEBLOCK UPDATENOW

Updates the current sessions tags with any changes made to the ProjectWise attributes.

To avoid needing to enter the key-ins manually, two tools are available (when in ProjectWise) on the AEC Menu to send these key-ins.



Use the “Modify Titleblock” tool to open the “properties” and then edit the attributes (as noted in the previous sections).

Once this is done, use the “Update Titleblock from PW” tool, to pull the current values from ProjectWise into the active file.

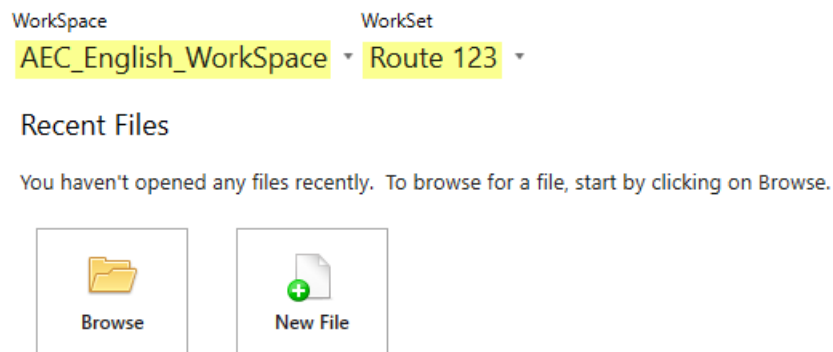
Note there is an option to update the tags in the active file and push them back to the ProjectWise environment, but for consistency of approach this is not recommended.

5. Assigning a WorkSpace/WorkSet when Opening Files

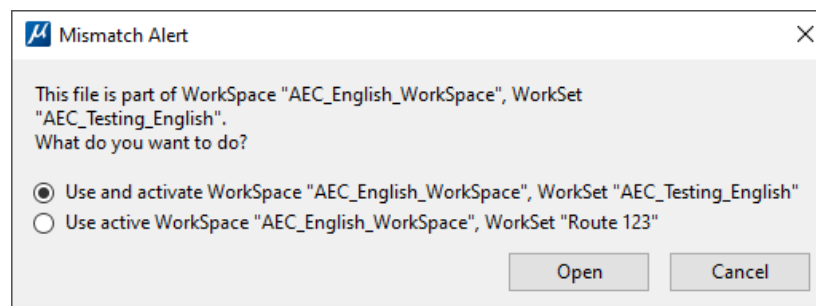
WorkSpace / WorkSet Assignments Local or Server

All DGN files when opened will automatically be assigned to the Active WorkSpace and WorkSet chosen when creating or opening each file either locally or in a shared folder network environment.

MicroStation CONNECT Edition



If an attempt to later open a file that has already been assigned to a different WorkSpace / WorkSet, a prompt such as shown below will be displayed:



If this was done in error by the user, simply select ***“Use and activate WorkSpace...”*** to switch to the correct WorkSpace / WorkSet combination.

If this was intentional and the file in question is needed in a new WorkSpace / WorkSet, then choose the second option ***“Use active WorkSpace...”*** to reassign the active file to the currently selected WorkSpace / WorkSet combination. This will ensure that any sheet model sheets created will now be added to the active WorkSpace / WorkSet DGNWS index file.

WorkSpace / WorkSet Assignments in ProjectWise

This topic has been covered in an earlier section of this document entitled: *“ProjectWise Project Creation and Implementation”*.