

Printing and Publishing

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Bentley[®]
Advancing Infrastructure

Agenda

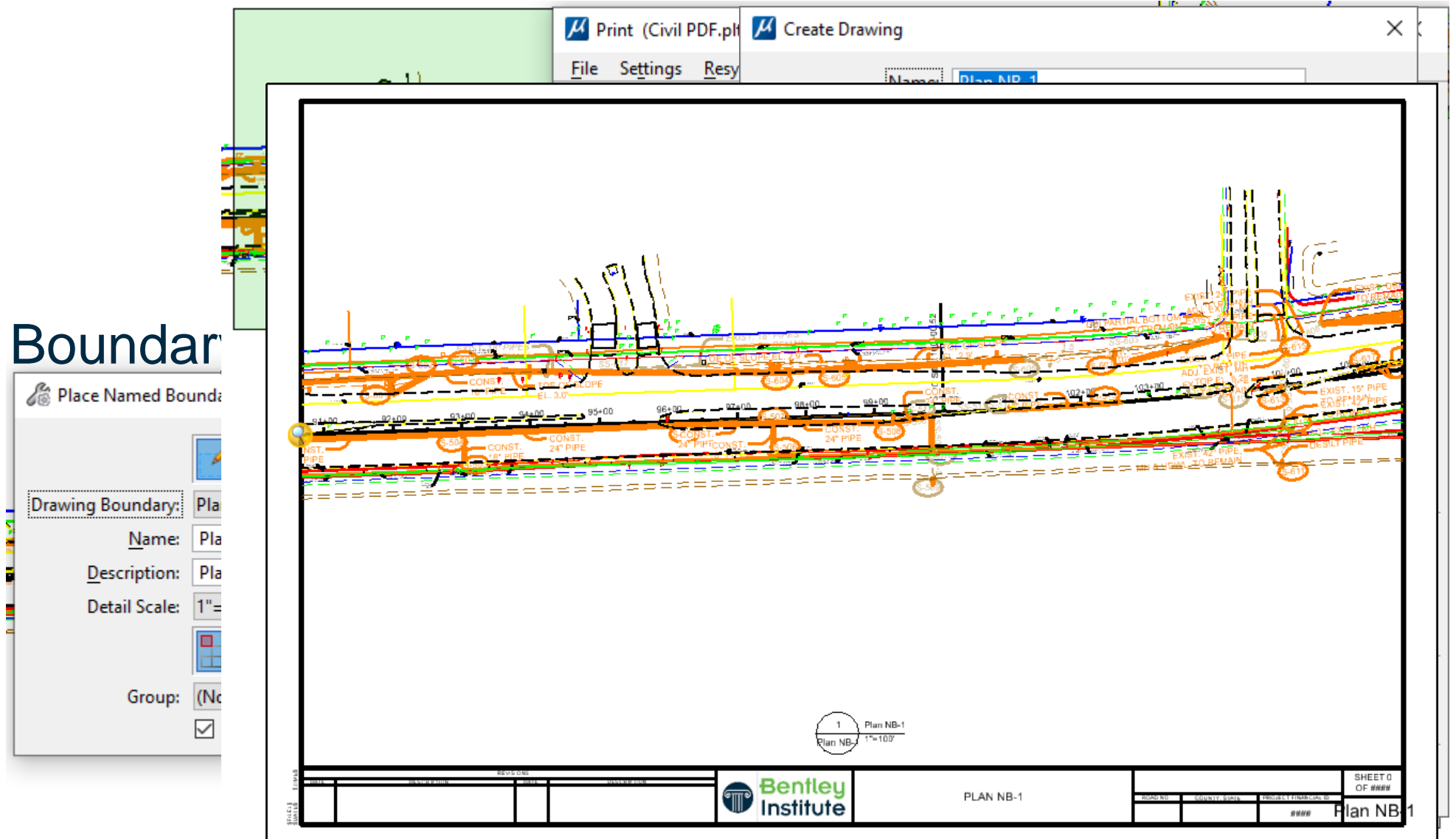
- Overview
- Named Boundaries
- Pen Tables
 - Text Replacement
 - Re-symbolization
- Print Styles
- Print Organiser
 - Print definitions
 - Renaming sheets
- Sheet Index
- Display Rules

Printing and Publishing

- The final phase in completing a design project is producing the construction document set
- It can be as simple as fencing an area in a design model and printing what is seen within the view window using the default settings or may include the use of sheet models, pen tables and print styles
- Drawing sheets may be printed individually or in a “batch” mode using Print Organizer

Print Options – Individual prints

- By View
- By Fence
- By Sheet
- By Named Boundary

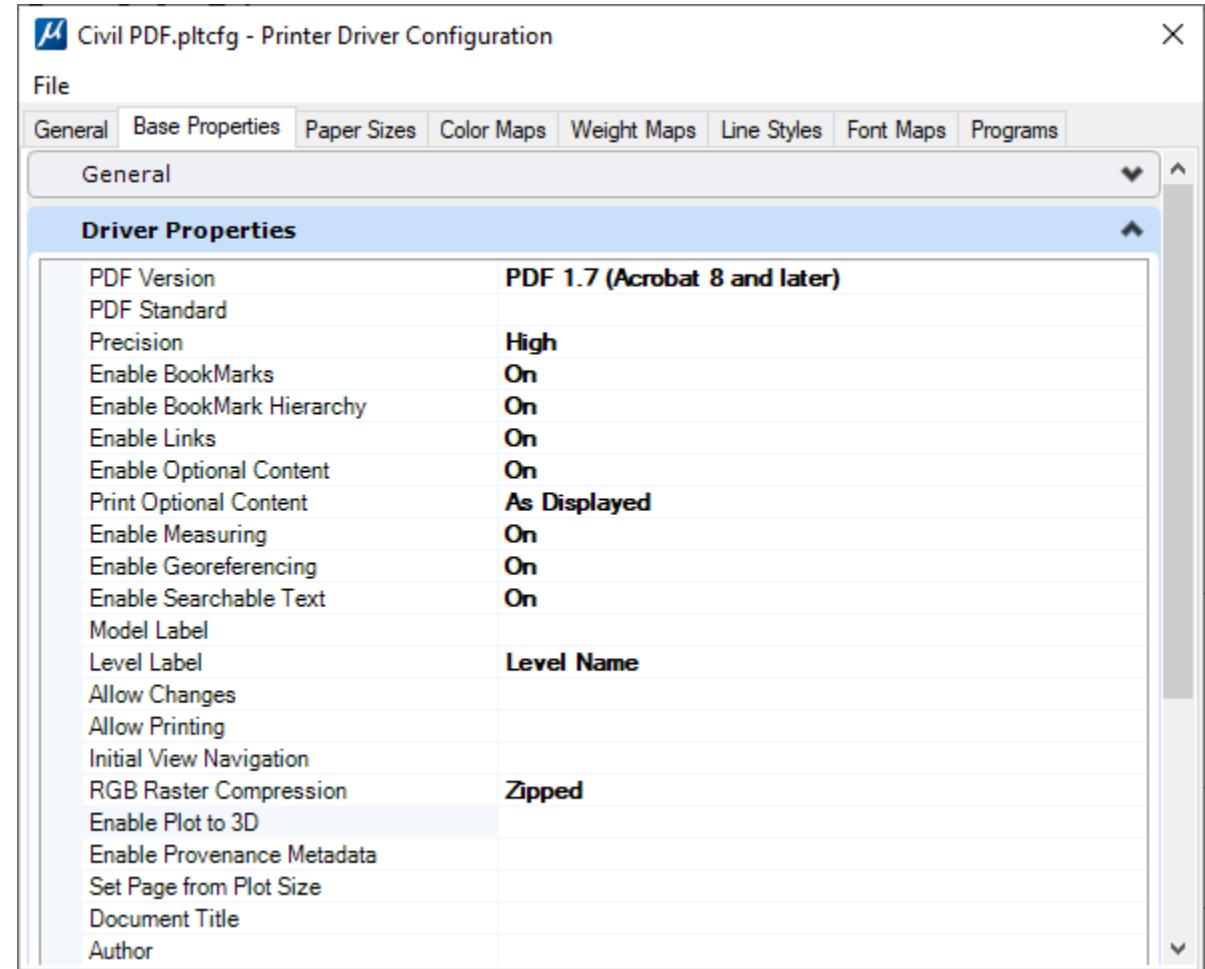


Print Components

- Print Organiser
- Print Definitions
- Print Styles
- Pen Tables and/or Design Scripts
- Printer Driver Configuration Files

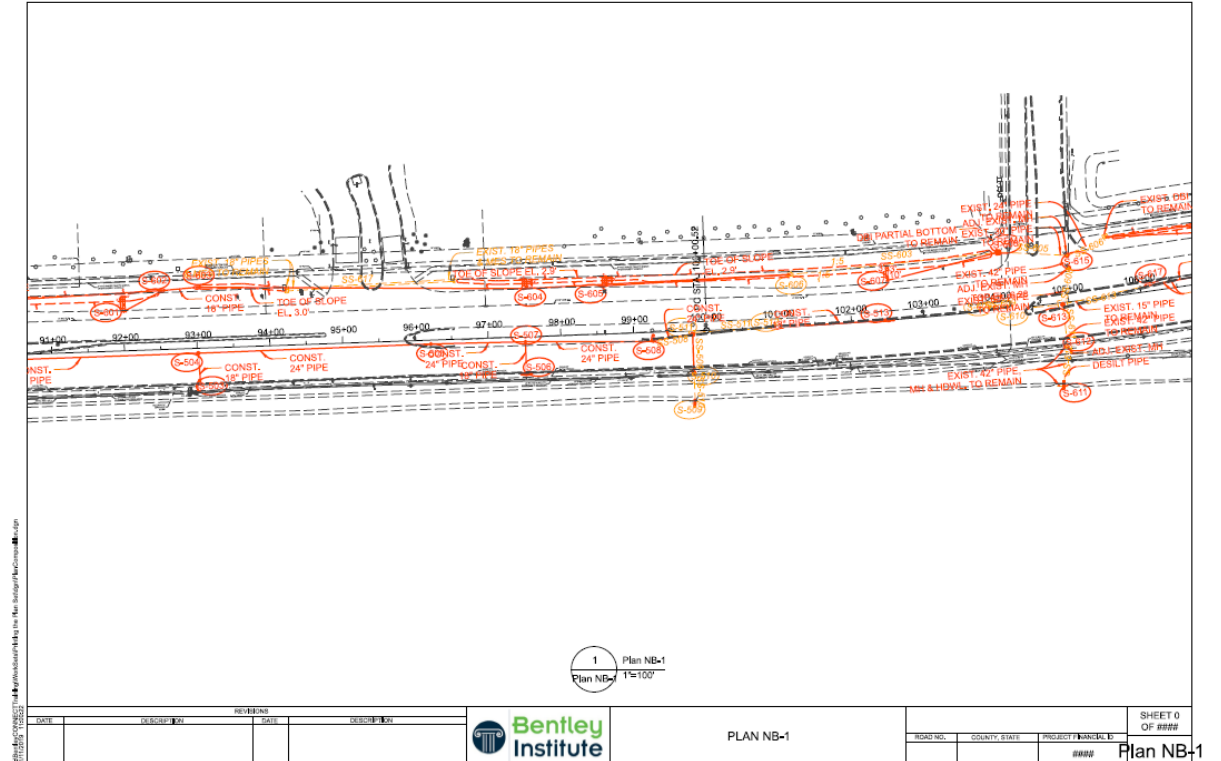
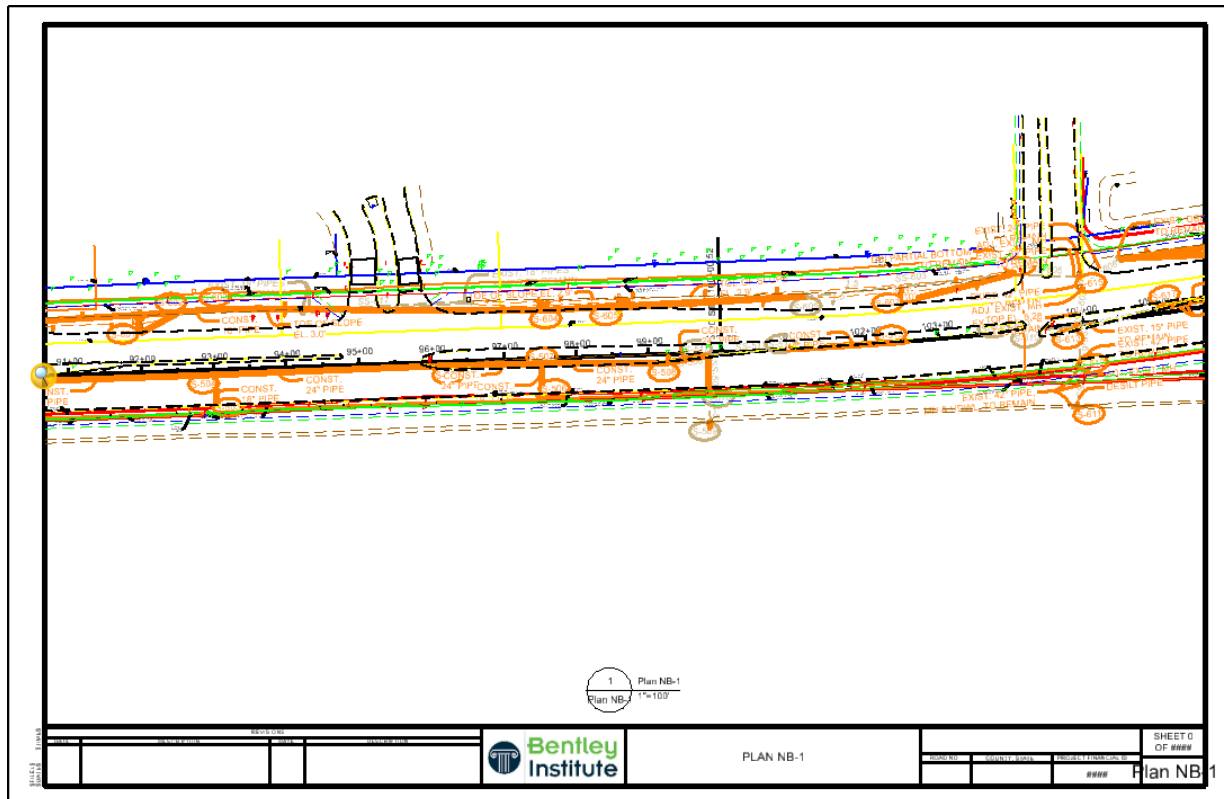
Printer Driver Configuration Files

- Select from the Print Dialog
 - Basically set the output format
- Edit the file via File> Edit Printer Driver Configuration



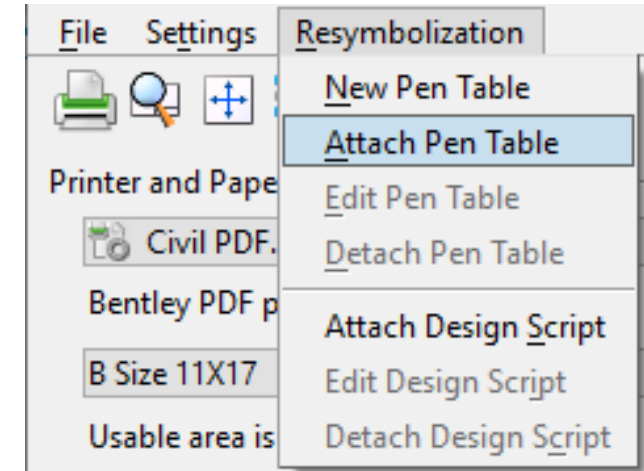
Pen Tables and/or Design Scripts

- Gives ability to amend the plotted results (similar to 'Level Overrides')

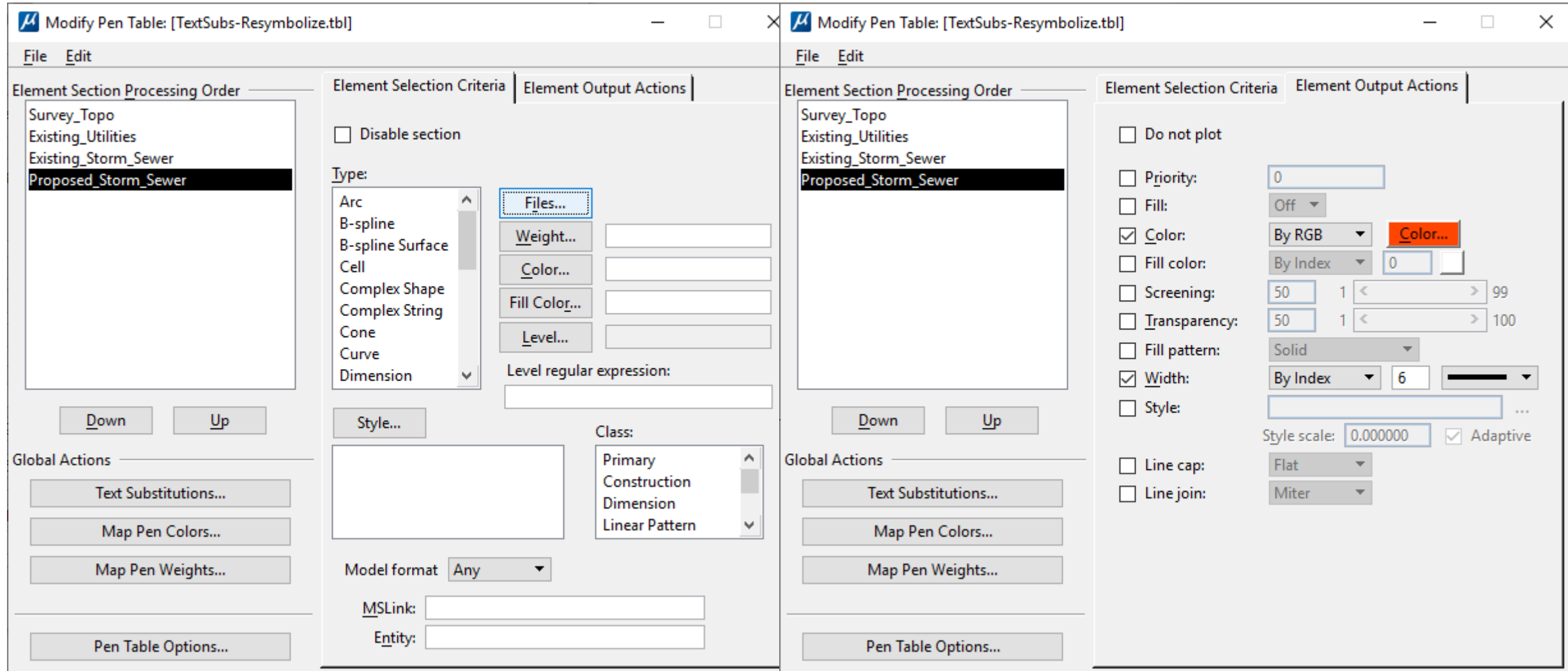


Pen Tables and/or Design Scripts

- Can manually attach a pen table
- Used to define
 - Element Selection and Resymbolology
 - Text Substitution
 - Mapping Pen Colours and Weights

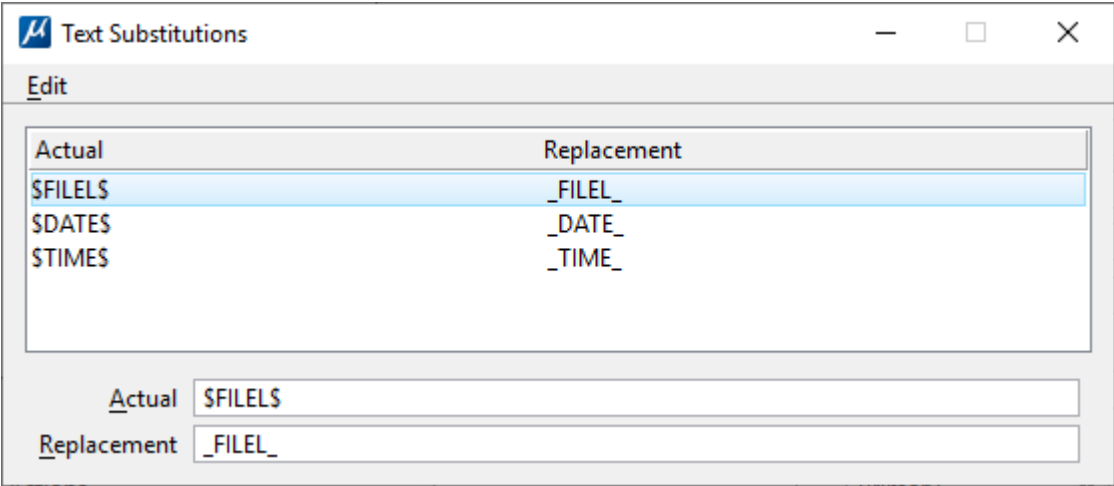


Pen Tables and/or Design Scripts



Pen Tables and/or Design Scripts

- Text Substitution



\$FILEL\$
\$DATES\$ \$TIMES\$

C:\BentleyCONNECTTraining\WorkSets\Printing the Plan Set\dgn\PlanComposition.dgn
01/11/2019 10:38:49

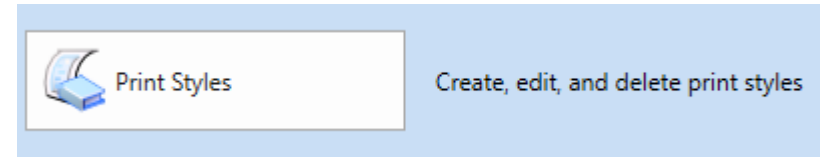
DATE

Print Styles

- Print styles are useful if you frequently use the same print definition properties every time you print
- For example, if you always print at a particular size with a specific pen table, those print definition properties can be defined in a print style
- You can apply the print style when you create print definitions or print from the Print dialog

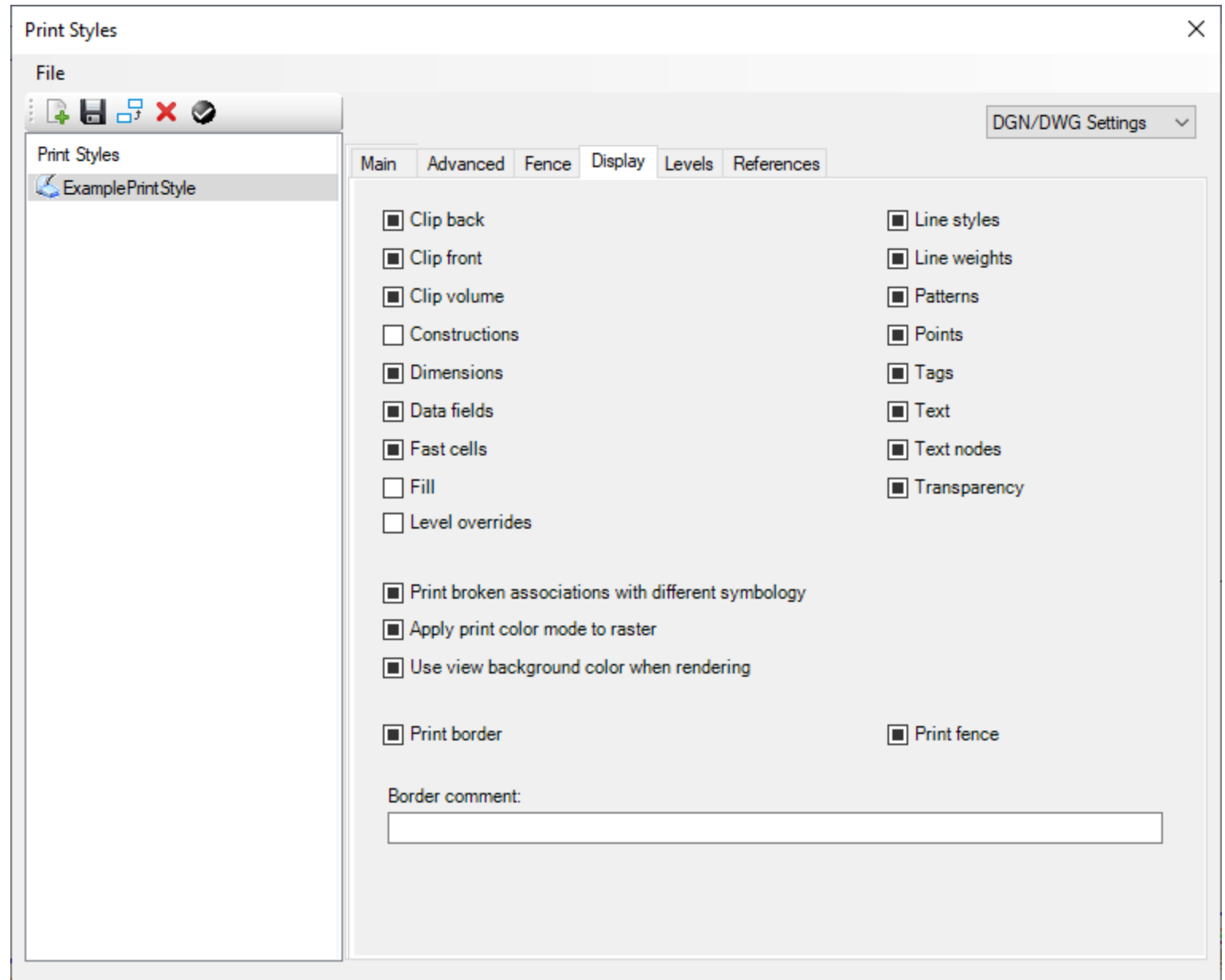
Print Styles

- Normally stored in a DGNLIB
- Access from Backstage > Print Styles
- Can define
 - Print Driver Configuration File
 - Pen Table
 - What to display and not display by element types or levels



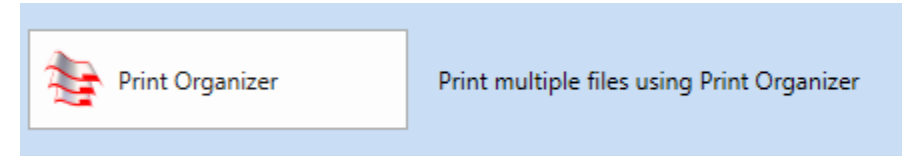
Print Styles

- Common .pltcfg file
- Pen Table added
- Turn off display of elements e.g. 'Constructions' if required



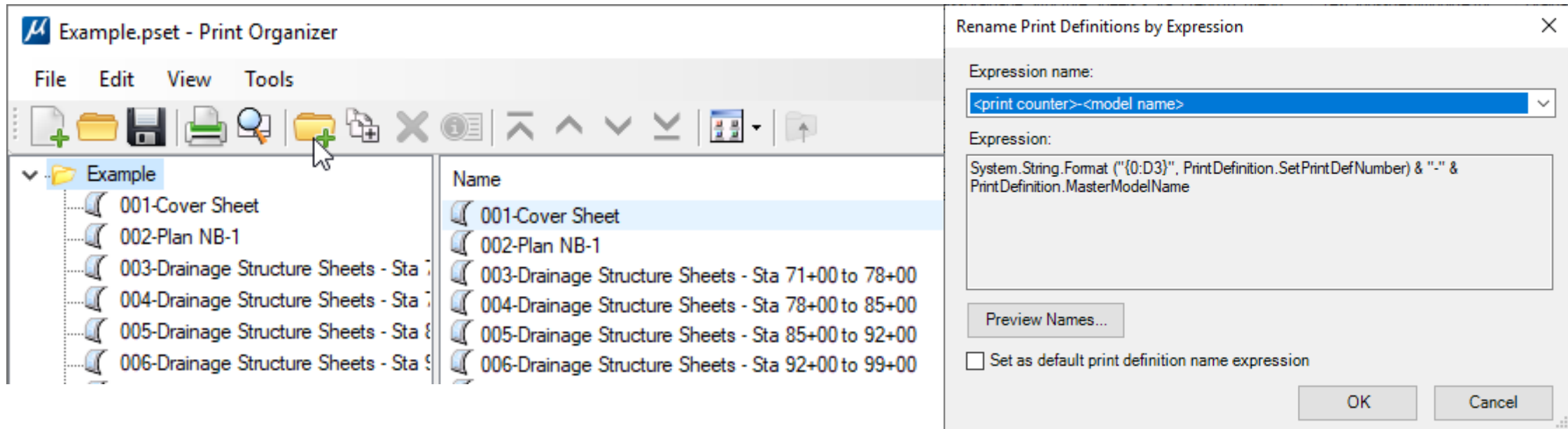
Print Definitions (Print Sets)

- A defined set of files and models that will be printed
- Created using Print Organiser
 - Backstage > Print > Print Organiser
- Add files or folders
 - Define the 'Print Style' to be used as the file(s) are loaded



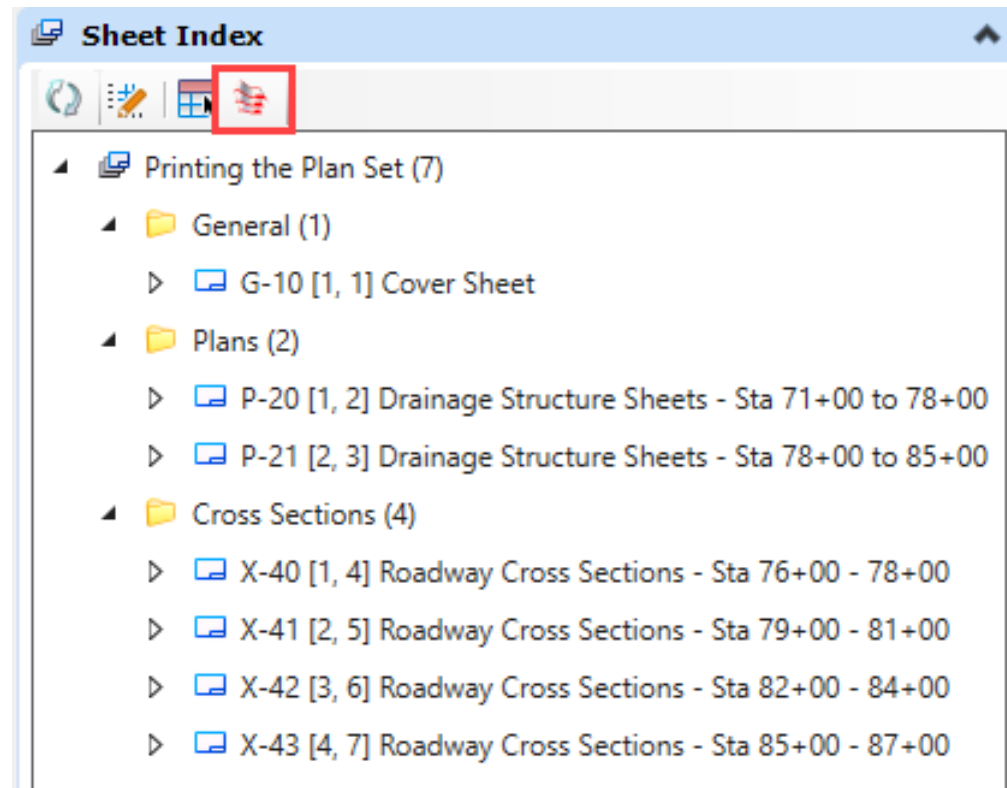
Print Organizer

- As shown in the example, differing pen tables are being applied
- Use 'Edit > Rename By Expression' to rename output



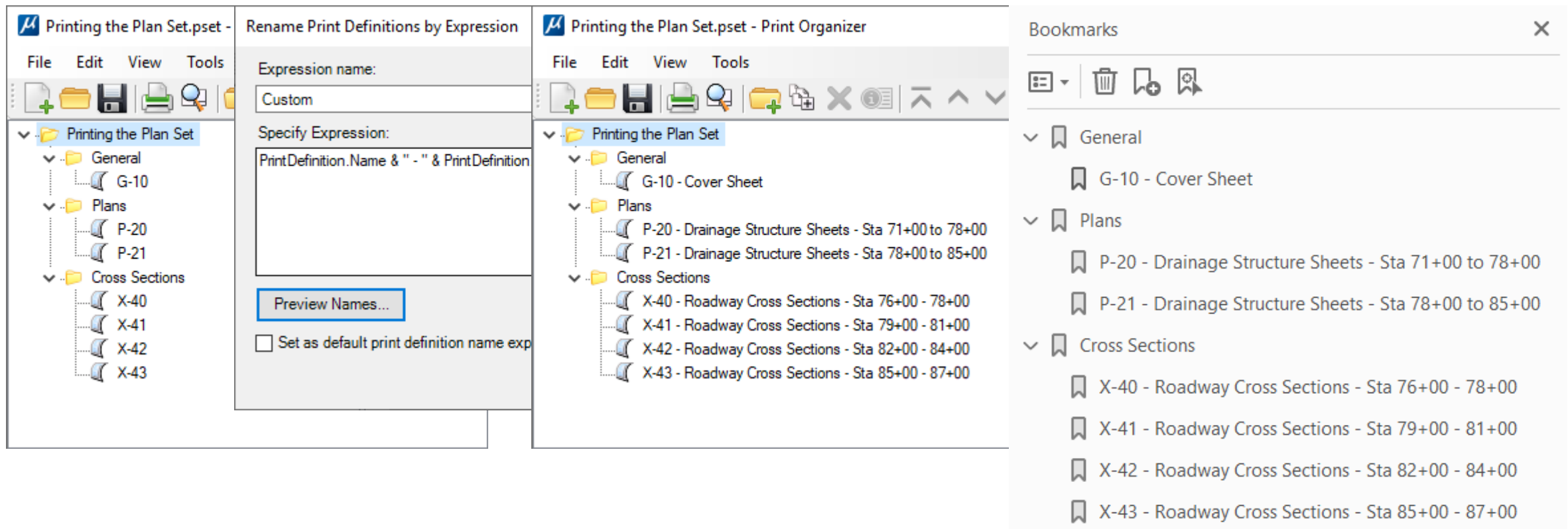
Sheet Index

- Stored in the <WorkSet>.dgnws file
- Not required for plotting but makes organising document sets consistent
 - Sheet Numbering for example
- Add to Print Organiser



Sheet Index – Added to Print Organizer

- Custom renaming allows names to be amended
- This carries through to the final output (PDF in this example)





Display Rules


- Benefits
 - Individual elements can be amended by properties
 - Level Overrides apply to all elements on the level
 - You can see the results BEFORE plotting


Display Rules


Display Rules


 New








 New


 Generate















Name

All Shrubs

Irrigation

Mow or Maintain

#	<input checked="" type="checkbox"/>	Condition	Actions	Stop if true
1	<input checked="" type="checkbox"/>	ELEMENT Is Shrub Planting	<div></div> + <input checked="" type="checkbox"/>	
2	<input checked="" type="checkbox"/>	REFERENCE Is References	 + <input checked="" type="checkbox"/>	
3	<input checked="" type="checkbox"/>	ELEMENT Is Not Shrub Planting	<div></div> + <input checked="" type="checkbox"/>	

None

All Shrubs

Mow or Maintain

Printing and Plotting

- Q & A
- Thank you for your time