CONVERTING LEGACY DESIGN FILES TO ENHANCED

- 1. Access the legacy file to be converted.
- 2. Append the existing file name with '_old'. EX: MAP002 -> MAP002_old
- 3. Open MicroStation in the Enhanced workspace (MDT use Preconstruction Startup).
- 4. Create new file (Road Tools > File Utilities > Create DGNs).
- 5. Open the new file.
- 6. Reference in the old file using the *Coincident World* orientation.

/iew		Description
Coincident		Aligned with Master File
Coincident - World	N	Global Origin aligned with Master File
Standard Views	3	
Saved Views (none)		
Named Fences (none)		

- 7. Turn on ALL of the levels in the referenced file.
- 8. Merge the reference file into the new file (References > Tools > Merge into Master).



- 9. Discard the old file.
- 10. Retain the new file, renaming as needed.

CONVERTING LEGACY SHEET FILES TO ENHANCED

- 1. Access the legacy file to be converted.
- 2. Append the existing file name with '_old'. EX: DET002 -> DET002_old
- 3. Open MicroStation in the Enhanced workspace (MDT use Preconstruction Startup).
- 4. Create new file (Road Tools > File Utilities > Create DGNs).
- 5. Open the new file.
- 6. Reference in the old file using the *Coincident World* orientation.

/iew		Description
Coincident		Aligned with Master File
Coincident - World	N	Global Origin aligned with Master File
Standard Views	3	
Saved Views (none)		
Named Fences (none)		

- 7. Turn on ALL of the levels in the referenced file.
- 8. Change the Nested Attachments drop-down to *Copy References*.

Scale 1.000000 : 1.000000 Botation 00°00'00"	
Offset X 0.000 Y 0.000	
🖸 🛃 🔁 🏭 📆 🛷 🕼 🔛 🗞 💽 💷 🚣 📁 Nested Attachments:	▶ <u>N</u> o Nesting
New Level Display: Config Variable 🔻 Georeferenced: No 💌	Live Nesting
	Copy Attachments

 Merge only the initial referenced file into the new file (References > Tools > Merge into Master).



- 10. Discard the old file.
- 11. Retain the new file, renaming as needed.

CONVERTING LEGACY DATA TO ENHANCED (SURVEY)

- Note: Converting a legacy workspace survey file to an enhanced workspace survey file is intended to precede creation of an RDEFF file as the Road Design copy of the survey file(s) where all elements are featurized.
 - 1. Access the legacy file to be converted.
 - 2. Turn on all levels.
 - 3. Delete duplicate elements (Utilities > Data Cleanup > Delete Duplicates).

🚧 Design File Cleanu	р			×
<u>Fi</u> le				
General	Duplicates *	Overlaps	Gaps	
Process View: 1	•	Cleanup Actions	# Found	i I
		Duplicates: Delete	NA	
Create Backup		Overlaps none -	NA	
Use <u>F</u> ence Clip	· · · ·	Gane: none -	NA	
Save Flags in File	•	Caps. Thore	110	

4. Compress the file.

a. File > Compress > Options



b. Check all boxes

Compress Opti	ons	
Select	Action	Alias
	Delete Empty Cell Headers	EMPTY_CELL
	Delete Empty Text Elements	EMPTY_TEXT
	Delete Text Elements Containing Only Spaces	SPACE_TEXT
	Delete Pre 8.11 Render Setup Entries	RENDER_SETUP
	Delete Unused Named Shared Cells	SC_NAMED
	Delete Unused Anonymous Shared Cells	SC_ANON
	Delete Unused Line Styles	LINES I TLES
	Delete Unused Text Styles	TEXTSTYLES
	Delete Unused Levels	LEVELS
	Delete Unused Nested Attachment Levels	LEVELTABLES
	Delete Unused Multi-line Styles	MLINESTYLES
	Delete Unused Element Templates	ELEMENTTEMPLATES
Include Refe	rences	
Compress	<u>O</u> M	Cancel

c. Click Compress

- 5. Create a new survey map file using *MDT-Seed3D-Imperial.dgn* seed file.
- 6. Reference the old DIMAP into the new file, using *Coincident World* orientation.

View		Description
Coincident		Aligned with Master File
Coincident - World	N	Global Origin aligned with Master File
Standard Views	5	
Saved Views (none)		
Named Fences (none)		

- 7. Ensure all levels in the referenced file are turned on.
- 8. Merge the old DIMAP into the new file (References > Tools > Merge Into Master).



- 9. Select all linear elements in the file.
 - a. Set Line Style to ByLevel. This will change the line styles to the new custom line styles

Element Information	▼
⊡… ∖ Selection ⊕… > Arc(495)	^
ie ⊆ Complex Chain(65)	
i ∼ Curve(2)	
	~
General	
Description	**Varies**
Level	**Varies**
Color	ByLevel
Line Style	🖾 **Varies** 📈 🗸
Weight	(0) ByLevel
Class	
Template	0
Transparency	1

b. Change Line Style Scale to 1.00, if needed.

Extend	ed		^
Model		Default	
Last Modi	fied	**Varies**	
Modified		Modified	
New		New	
Locked		Unlocked	
E Line Style	Parameters		
Scale		1.00	
Width I	Mode	None	
Shift M	ode	None	

- 10. Select all culverts (Level: E_Drainage_Culvert_CulvertInvert)
 - a. Change to Level: **E_Drainage_Culvert_CulvertLine**. This is a new, more accurately named level, associated with the new culvert custom linestyle.
- 11. Replace all survey cells (MDT APPS > DI Converter).

MDT Convert	DIMAP 2.0			×
Map File Base Map New Name	25			Ê
	Convert	Exit	Replace Cell	



12. Select all cells and change plot scale back to 1, if needed.

Geometry	*
Origin	**Varies**, **Varies**, **Varies**
Angle	N90°0'0"E
Orientation	Тор
Scale X	1.00000
Scale Y	1.00000
Scale Z	1.00000