NEW UPRR CIVIL CAD STANDARDS

MIGRATED FROM V8i CAD STANDARDS

COPIED FROM BENTLEY TEMPLATE

MODIFIED FROM BENTLEY TEMPLATE TO CONFORM TO UP STANDARD

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#===============================================================================
# Configuration File Version - 10.10.00
#-------------------------------------------------------------------------------

#===============================================================================
# Folder Location Definition - DO NOT CHANGE
#===============================================================================
# The CIVIL_ORGANIZATION_STANDARDS variable defines where the Organization Standards
# are located. These can be located on a local computer or a shared network drive.
# To define these on a network drive, edit the WorkSpaceSetup.cfg file and change
# the CIVIL_ORGANIZATION_ROOT variable. NO changes are needed in this file.

CIVIL_ORGANIZATION_STANDARDS  = $(CIVIL_ORGANIZATION_ROOT)$(CIVIL_ORGANIZATION_NAME)/
#-------------------------------------------------------------------------------

#===============================================================================
# Preferences files
#===============================================================================
_USTN_USERNAME                  = $(_USTN_PRODUCT_SHORTNAME)_$(CIVIL_FILENAME)
_USTN_PREFNAMEBASE              = $(_USTN_HOMEPREFS)$(_USTN_PRODUCT_SHORTNAME)_$(CIVIL_FILENAME)
MS_DOCKINGPREF                  = $(_USTN_PREFNAMEBASE).docking.xml
MS_GROUPPANELPREF               = $(_USTN_PREFNAMEBASE).GroupPanels.xml
MS_SAVEMENU                     = $(_USTN_PREFNAMEBASE).Attached.mer
MS_RIBBONPREFS                  = $(_USTN_PREFNAMEBASE).RibbonState.xml
MS_FKEYMNU                      = $(_USTN_PREFNAMEBASE).funckey.mnu
MS_USERPREF                     = $(_USTN_PREFNAMEBASE).upl
#-------------------------------------------------------------------------------

#===============================================================================
# Seed files (Additional Seed files defined in the Subsurface Utilities section)
#===============================================================================

MS_SEEDFILES                    = $(CIVIL_ORGANIZATION_STANDARDS)Seed/
MS_DESIGI  = Project Design Seed 2d.dgn
MS_DESIGNMODELSEED              = Project Design Seed 2d.dgn
MS_DESIGNMODELSEEDNAME          = Default
MS_DRAWINGMODELSEED             = Drawing Seed 2d.dgn
MS_DRAWINGMODELSEEDNAME         = 2D Drawing
MS_SHEETMODELSEED               = Sheet Seed 2d.dgn
MS_SHEETMODELSEEDNAME           = 2D Sheet

MS_CELL_SEEDFILE                                                = Seed2D - $(CIVIL_FILENAME) Design.dgn
#-------------------------------------------------------------------------------

#===============================================================================
# CAD Environment (MicroStation) OpenSite/OpenRoads/OpenRail Designer DGN Library Settings
#===============================================================================
# MS_LEVEL_LIB_DIR              Directory to look for when exporting levels or importing levels to/from a CSV, DGN, or DGNLib file
# MS_DGNLIBLIST                 DGN library files that define Levels, Line Styles, Text Styles, Dimension Styles, Multiline Styles
#                               Element Templates, Text Favorites, Table Styles, Report Definitions, Drawing Seeds, Drawing Boundaries,
#                               Display Styles, Display Rules, Page Layouts, Saved Views and Item Types
# MS_DGNLIBLIST_LEVELS          Specific DGN library files that define levels. Level definitions in all other DGN library files are ignored
# MS_DGNLIBLIST_TEXTSTYLES      Specific DGN library files that define text styles. Text styles definitions in all other DGN library files are ignored
# MS_DGNLIBLIST_TEXTFAVORITES   Specific DGN library files that define text favorites. Text favorites definitions in all other DGN library files are ignored
# MS_DGNLIBLIST_DIMENSIONSTYLES Specific DGN library files that define dimension styles. Dimension styles definitions in all other DGN library files are ignored
#
# CIVIL_CONTENTMANAGEMENTDGNLIBLIST  Specific DGN library files that civil feature definitions.
# CIVIL_PROJECTSETTINGSDGNLIBLIST    Specific DGN library files that civil survey  settings.
# RAIL_SETTINGSDGNLIBLIST       Specific DGN library files that civil rail settings.
#
# CIVIL_LABELER_XMLFILE         The XML file where civil labels are defined
#
# MS_ALLOWREADONLYITEMEDIT      When set to TRUE, makes item types from references within the same file editable. For example, when
#                               an item type is on a 3d element. Selecting the 2d element in the 2d model will show the item type or
#                               the 3d element as read only if this variable is not set
# MS_DGNLIBLIST_ITEMTYPES       Specific DGN library files that define item types. Item type definitions in all other DGN library files are ignored
# ITEMTYPE_LOOKUP               The excel file(s) where lookup expressions AND pick lists are defined for item types. Multiple files can be defined
# ITEMTYPE_PICKLIST_EXCELPATH   The excel file(s) where item type pick lists are defined IF they are in a different file than the lookup expressions
#                               If the pick lists and lookup expressions are in the same file, only use the ITEMTYPE_LOOKUP variable
# ITEMTYPE_PRIORITY_MAP_PATH    <OPTIONAL> A single json file that defines behavior for resolving item type conflicts
#                               When this file is not definedthe value from the FIRST element selected is used if there is a conflict. Using this file
#                               the behavior can be set to use the FIRST, LAST, or NONE for each command
#===============================================================================
# The following are common to OpenSite, OpenRoads, OpenRail, Overhead Line, or OpenBridge and are always loaded
#MS_LEVEL_LIB_DIR               < $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/
MS_DGNLIBLIST                   < $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/*.dgnlib
MS_DGNLIBLIST_LEVELS            < $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/*Levels*.dgnlib
CIVIL_CONTENTMANAGEMENTDGNLIBLIST   > $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/*Features*.dgnlib
MS_DGNLIBLIST_TEXTSTYLES        < $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/*Text Styles*.dgnlib
MS_DGNLIBLIST_TEXTFAVORITES     < $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/*Text Favorites*.dgnlib
MS_DGNLIBLIST_DIMENSIONSTYLES   < $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/*Dimension Styles*.dgnlib
CIVIL_PROJECTSETTINGSDGNLIBLIST     > $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/*Survey Settings*.dgnlib
MS_DGNLIBLIST                   > $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Sheet Seeds/*.dgnlib
CIVIL_LABELER_XMLFILE           = $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/Civil Labeler $(UNITS).xml

# Item Types
MS_ALLOWREADONLYITEMEDIT        = TRUE
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MS_DGNLIBLIST_ITEMTYPES              = $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/*Item Types*.dgnlib
ITEMTYPE_LOOKUP                      = $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Item Types/Pay Item Lookup.xlsx
ITEMTYPE_LOOKUP                      > $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Item Types/Sign Lookup.xlsx
ITEMTYPE_LOOKUP                      > $(CIVIL_ORGANIZATION_STANDARDS)Asset Manager/Asset Management Lookup.xlsx
ITEMTYPE_PRIORITY_MAP_PATH           = $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Item Types/Civil Item Type Priority.json

# Add the following if running OpenRoads, OpenRail, Overhead Line, or OpenBridge
%if $(_ENGINENAME) == "OpenRoadsDesigner"  || $(_ENGINENAME) == "OpenRailDesigner" || $(_ENGINENAME) == "OpenRailOverheadLineDesigner" || $(_ENGINENAME) == "OpenBridgeModeler"
  MS_DGNLIBLIST                      < $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/Road/*.dgnlib
  MS_DGNLIBLIST_LEVELS               < $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/Road/*Levels*.dgnlib
  CIVIL_CONTENTMANAGEMENTDGNLIBLIST  > $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/Road/*Features*.dgnlib
  MS_DGNLIBLIST_TEXTSTYLES           < $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/Road/*Text Styles*.dgnlib
  MS_DGNLIBLIST_TEXTFAVORITES        < $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/Road/*Text Favorites*.dgnlib
  MS_DGNLIBLIST_DIMENSIONSTYLES      < $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/Road/*Dimension Styles*.dgnlib
%endif

# Add the following if running OpenRail, Overhead Line, or OpenBridge
%if $(_ENGINENAME) == "OpenRailDesigner" || $(_ENGINENAME) == "OpenRailOverheadLineDesigner" || $(_ENGINENAME) == "OpenBridgeModeler"
  MS_DGNLIBLIST                      < $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/Rail/*.dgnlib
  MS_DGNLIBLIST_LEVELS               < $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/Rail/*Levels*.dgnlib
  CIVIL_CONTENTMANAGEMENTDGNLIBLIST  > $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/Rail/*Features*.dgnlib
  MS_DGNLIBLIST_TEXTSTYLES           < $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/Rail/*Text Styles*.dgnlib
  MS_DGNLIBLIST_TEXTFAVORITES        < $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/Rail/*Text Favorites*.dgnlib
  MS_DGNLIBLIST_DIMENSIONSTYLES      < $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/Rail/*Dimension Styles*.dgnlib
  RAIL_SETTINGSDGNLIBLIST            < $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/Rail/*Rail Settings*.dgnlib
  MS_DGNLIBLIST                      > $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Sheet Seeds/Rail/*.dgnlib
%endif

# Add the following if running Overhead Line
%if $(_ENGINENAME) == "OpenRailOverheadLineDesigner"
  MS_DGNLIBLIST_LEVELS               < $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/Rail Overhead Line/*Levels*.dgnlib
  MS_CELLLIST                        > $(CIVIL_ORGANIZATION_STANDARDS)cell/Rail Overhead Line/*.cel     # Cell Libraries to be searched
%endif
#------------------------------------------------------------------------------

#===============================================================================
# General CAD Environment (MicroStation) Settings
#===============================================================================
MS_DGNLIBLIST                        > $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Line Styles/*.dgnlib        # Location of Line Styles
MS_SYMBRSRC                          > $(CIVIL_O      # EDIT LOCATION OF LINESTYLES
MS_FONTPATH                          > $(CIVIL_ORGANIZATION_STANDARDS)fonts/                          # Location of MicroStation font
MS_DGNTEXTEDITORFAVORITESYMBOLS      = $(CIVIL_ORGANIZATION_STANDARDS)fonts/FavoriteSymbols.xml       # Location and name of text favorites symbols
MS_DGNLIBLIST                        > $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Display Styles/*.dgnlib      # Location of Display Styles
MS_GUIDGNLIBLIST                     > $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/GUI/*.dgnlib             # Location of GUI Customization seeds
MS_COLORBOOK_LIBRARIES               < $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Color Books/*.dgnlib        # Location of for Color Books
MS_CELL                              < $(CIVIL_ORGANIZATION_STANDARDS)cell/                           # Location of Cell Librarie
MS_CELLLIST                          < $(CIVIL_ORGANIZATION_STANDARDS)cell/*.cel                      # Cell Libraries to be searched
MS_MATERIAL                          < $(CIVIL_ORGANIZATION_STANDARDS)materials/                      # Location of material pallet
MS_PATTERN                           < $(CIVIL_ORGANIZATION_STANDARDS)materials/pattern/              # Location of pattern maps
MS_BUMP                              < $(CIVIL_ORGANIZATION_STANDARDS)materials/bump/                 # Location of bump map
MS_CUSTOMSCALEDEF                    = $(CIVIL_ORGANIZATION_STANDARDS)Scales/scales.def               # Scale Definitions used for Annotation Scales
MS_CUSTOMUNITDEF                     = $(CIVIL_ORGANIZATION_STANDARDS)Scales/units.def                # Units Definitions used for Custom Units
MS_CUSTOMSHEETSIZEDEF                = $(CIVIL_ORGANIZATION_STANDARDS)Scales/sheetsizes.def           # Sheet Size Definitions used for Sheet Sizes
MS_PLTCFG_PATH                       = $(CIVIL_ORGANIZATION_STANDARDS)Plot/
MS_DEFAULT_PLTCFG_FILE               = $(MS_PLTCFG_PATH)11x17c_pdf.pltcfg
MS_DGNLIBLIST_PRINTING               > $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Print/*.dgnlib
#MS_DGNLIBLIST                       > $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Print/*
MS_PENTABLE          = $(MS_PLTCFG_PATH)Pen Tables/                  # EDIT Default location for pen tables
MS_PLOTDLG_DEF_PENTABLE      = $(MS_PLTCFG_PATH)Pen Tables/UPRR Track Pentable.tbl

MS_DGNLIBLIST                        > $(CIVIL_ORGANIZAT      # EDIT Default location for report tables
MS_BACKUP                    = $(_DGNDIR)                    # Directory for backup file
MS_REPORT_OUTPUT             = $(_DGNDIR)                    # Default output directory where MicroStatio
#                                                            report (not OpenRoads/OpenRail) results will be exporte
MS_VIEWAUTORESIZE            = 1                             # If set to 1, the view windows are resized proportionally when th
#                                                            main window is resized or when the dialogs are docked or undocke
_USTN_DISPLAYALLCFGVARS      = 1                             # If set to 1, display all hidden variables
#MS_FULLPATHINTITLEBAR        = 1                            # If set to 1, show the full file name path in the title ba
#MS_CURSORPROMPT              = 1                            # If set to 1, show the prompt field on the curso
#------------------------------------------------------------------------------

#===============================================================================
# Visual Basic Settings
#===============================================================================
MS_VBASEARCHDIRECTORIES              > $(CIVIL_ORGANIZATION_STANDARDS)Macros/                  # Location of visual basic applications

# Viewset utility which provides convienent view control options for civil design.
MS_VBAAUTOLOADPROJECTS               > $(CIVIL_ORGANIZATION_STANDARDS)Macros/ViewSet           # Load the Viewset utility.
VIEWSET_SETTINGS_FILE                = $(CIVIL_ORGANIZATION_STANDARDS)Macros/ViewControlConfigurations.xml # Configuration for the Viewset utility

# Snappable Toggle utility which uses the Crtl+F1 and Crtl+F2 function keys to turn on or off the
# specified levels and enable or disable the snappability of the particular elements. This is useful
# when annotating the drawing models of cross sections or profiles where the grid lines may be in the way.
MS_VBAAUTOLOADPROJECTS               > $(CIVIL_ORGANIZATION_STANDARDS)Macros/SnappableToggle       # Load the Snappable Toggle utility
CIVIL_SNAPPABLETOGGLE_LEVELS_FILE    = $(CIVIL_ORGANIZATION_STANDARDS)Macros/SnappableToggle_Levels.txt  # Configuration for the Snappable Toggle utility
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#============================================================================================
# Reference File Paths and Settings
#============================================================================================
MS_REF_DEFAULTATTACHDIRECTORY         = $(_DGNDIR)
MS_REF_DEFAULTSETTINGS                = TrueScale=1,AttachMethod=CoincidentWorld,nestMode=live,NestDepth=0,SaveRelativePath=1
MS_RFDIR                            > $(_DGNDIR)
MS_RFDIR                            > $(CIVIL_ORGANIZATION_STANDARDS)Sheet Borders/
MS_REF_MASTERFILELAST_DESIGN          = 1
MS_REF_NEWLEVELDISPLAY                = 1
MS_REF_VISEDGE_ATTACH_STATE           = Dynamic
#MS_DISALLOWFULLREFPATH               = 1
#--------------------------------------------------------------------------------------------

#============================================================================================
# General OpenSite/OpenRoads/OpenRail Settings
#============================================================================================
CIVIL_CIVILTMDGNLIBLIST               > $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Graphical Filters/*.dgnlib    # Location of Graphical Filters
CIVIL_CIVILCELLDGNLIBLIST             > $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Civil Cells/*.dgnlib         # Location of Civil Cells
CIVIL_DESIGNSTANDARDSDGNLIBLIST       > $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Design Standards/*.dgnlib     # Location of Design Standards
MS_ACCUDRAWKEYS                       = $(_USTN_HOMEPREFS)                                                  # Location of Civil AccuDraw (not AccuDraw) settings and favorite
CIVIL_SUPERELEVATION_RULES_DIRECTORY  = $(CIVIL_ORGANIZATION_STANDARDS)Superelevation/                      # Location of Superelevation rule files
CIVIL_SUPERELEVATION_RULE_FILE        = $(CIVIL_SUPERELEVATION_RULES_DIRECTORY)AASHTO_2018_imperial.xml     # Default Superelevation rule file
CIVIL_SIGHTVISIBILITY_SETTINGS_DIRECTORY = $(CIVIL_ORGANIZATION_STANDARDS)Sight Visibility/                 # Location of Site Visibility settings file
CIVIL_REPORTS_SUBDIRECTORIES          > $(CIVIL_ORGANIZATION_STANDARDS)Reports/                             # Location of Report XML Files. Custom reports will be shown
#                                                                                                           in addition to the default reports from the \Program Files\ folde
CIVIL_DEFAULT_STATION_LOCK            = TRUE                                                                # Station Lock - If set to TRUE then stations for various command
#                                                                                                           are adjusted to stay at even values. For example, template drop
#                                                                                                           will adjust to be at even stations in the event of an equatic
#                                                                                                           that could cause it to do otherwise. If not set or set to FALS
#                                                                                                           then the station values will be maintained at the specified increment
#CIVIL_CIVILSETTINGS_READONLY         = 1                                                                   # If set to 1, standards, preferences and features that come from a DGN Librar
#                                                                                                           are persisted as Read-only. If variable is not Defined, items are persiste
#                                                                                                           as Read-Write. If set to 1, items are persisted as Read-onl
%if exists ($(_USTN_WORKSETSTANDARDS)Cell/)                                                                 # Defines the location and name of cell library used by Component Cente
        CIVIL_COMPONENTCENTER_DOWNLOADEDCELLSLIB = $(_USTN_WORKSETSTANDARDS)Cell/Downloaded Component Center Cells.cel
%else
        CIVIL_COMPONENTCENTER_DOWNLOADEDCELLSLIB = $(MS_DEF)/Downloaded Component Center Cells.cel
%endif
#--------------------------------------------------------------------------------------------
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#============================================================================================
# Template Library #EDITS BELOW
#============================================================================================
#%if $(_ENGINENAME) == "OpenSiteDesigner"
        #CIVIL_ROADWAY_TEMPLATE_LIBRARY      = $(CIVIL_ORGANIZATION_STANDARDS)Template Library/OpenSite Templates $(CIVIL_FILENAME).itl
#%elif $(_ENGINENAME) == "OpenRoadsDesigner"
        #CIVIL_ROADWAY_TEMPLATE_LIBRARY      = $(CIVIL_ORGANIZATION_STANDARDS)Template Library/OpenRoads Templates $(CIVIL_FILENAME).itl
#%else
        #CIVIL_ROADWAY_TEMPLATE_LIBRARY      = $(CIVIL_ORGANIZATION_STANDARDS)Template Library/OpenRail Templates $(CIVIL_FILENAME).itl
#%endif


CIVIL_ROADWAY_TEMPLATE_LIBRARY      = $(CIVIL_ORGANIZATION_STANDARDS)Template Library/Rail Templates.itl
```

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#============================================================================================
# Drainage and Utilities
#============================================================================================
# SUDA_SEED_FILE defines a dgnlib file that contains the default hydraulic settings.
# SUDA_SEED_MODEL defines the model to read from the dgnlib file. The information in this mode
# is copied to the active dgn when you first use Drainage and Utilities. The information in this
# model normally includes hydraulics and hydrology settings, as well as feature definitions.
SUDA_SEED_FILE                  = $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/Drainage and Utilities Features Annotations $(CIVIL_FILENAME).dgnlib
SUDA_SEED_MODEL                   = Default

# SUE_SEED_FILE defines a dgnlib file that contains the default subsurface utility settings.
# SUE_SEED_MODEL defines the model to read from the dgnlib file. The information in this mode
# is copied to the active dgn when you first use a Drainage and Utilities. The information in this
# model normally includes subsurface utilities settings, as well as feature definitions.
SUE_SEED_FILE                   = $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/Drainage and Utilities Features Annotations $(CIVIL_FILENAME).dgnlib
SUE_SEED_MODEL                    = Default

# SUDA_USE_HAESTAD_CONDUIT tells hydraulic conduits to forget about the sizes that are stored
# in the feature definition, and use the sizes that are stored in the Haestad conduit library.
SUDA_USE_HAESTAD_CONDUIT            = 1

# CIVIL_SUBSURFACE_FILTERS_DGNLIBLIST defines search path(s) for Subsurface Filter dgnlib
# files. The filters can be used in the Extract Utilities from Graphics option.
CIVIL_SUBSURFACE_FILTERS_DGNLIBLIST    > $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature Definitions/Drainage and Utilities Features Annotations $(CIVIL_FILENAME).dgnlib
#--------------------------------------------------------------------------------------------
```

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#============================================================================================
# Survey Files and Chains
#============================================================================================
# CIVIL_SURVEY_FILES_FOLDER overrides the location where survey import and export tools
# read definition files such as Leica FRT files and PrintfPC.exe files.
# By default this variable is NOT used and the definition files are
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# read from the \Program Files\ folder.

# CIVIL_SURVEY_USERTIW_FOLDER overrides the location where survey import tools
# reads the TIW files. By default this variable is NOT used and
# the TIW files are read from the \Program Files\ folder.

CIVIL_SURVEY_FILES_FOLDER             = $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Survey/
CIVIL_SURVEY_USERTIW_FOLDER           = $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Survey/
#-------------------------------------------------------------------------------

#===============================================================================
# Profile and Superelevation View Exaggeration Values
#===============================================================================
# *_EXAGGERATION_VALUES defines a list of exaggeration values that are available in the View Attributes menu.

# *_SET_DEFAULT_EXAGGERATION defines the default exaggeration value from the list
# of available values used when a view is opened.

# *_SKIP_DEFAULT_EXAGGERATION - If set to 1, the view is opened with a 1:1
# exaggeration and the default exaggeration is ignored.

CIVIL_EXAGGERATION_VALUES             = 1,2,5,10,20,50,10(
CIVIL_SET_DEFAULT_EXAGGERATION        = 10
_CIVIL_SKIP_DEFAULT_EXAGGERATION      = 0

CIVIL_SUPER_EXAGGERATION_VALUES       = 100,200,500,1000,2000,5000,1000(
CIVIL_SET_SUPER_DEFAULT_EXAGGERATION  = 5000
_CIVIL_SKIP_SUPER_DEFAULT_EXAGGERATION = 0

# CIVIL_PROFILE_HORIZONTAL_GEOMETRY_INFO defines default behavior for displaying the
# horizontal geometry information along in the profile view and superelevation views.
# CIVIL_PROFILE_HORIZONTAL_GEOMETRY_HTPS defines default behavior for displaying stations
# at horizontal control points along the bottom of profile and superelevation views.
# CIVIL_PROFILE_STATION_LOCK_INTERVAL defines the default interval for the
# stationing displayed along the bottom of profile and superelevation views.
CIVIL_PROFILE_HORIZONTAL_GEOMETRY_INFO  = Enabled
CIVIL_PROFILE_HORIZONTAL_GEOMETRY_HTPS  = Enabled
CIVIL_PROFILE_STATION_LOCK_INTERVAL     = 100
#-------------------------------------------------------------------------------

#===============================================================================
# Stroking Tolerance Settings for Survey and Corridor Modeling
#===============================================================================
# These variables define how often to compute a point or template drop interval
# along a tangent, profile, or curve. The Linear Stroking tolerance is the maximum
# distance along a tangent. Extra points are added along profiles and curves based
# on a chord offset from the profile or curve.
# Refer to the Product Help for additional details.
#
# The four variables that begin with CIVIL_SURVEY are optional.
# If these variables are set, these values will be used for Survey Terrain Model only
# creation overriding the default Civil variables set for Survey and Corridor Modeling
# Units are in master units (feet or meters)
#
%if $(Units) == "Metric"
  CIVIL_DEFAULT_LINEAR_STROKING       = 2.5
  CIVIL_DEFAULT_PROFILE_STROKING      = 0.02
  CIVIL_DEFAULT_CURVE_STROKING        = 0.02
#  CIVIL_SURVEY_STROKE_TOLERANCE_LINEAR = 30
#  CIVIL_SURVEY_STROKE_TOLERANCE_CURVE  = 0.02
%else
  CIVIL_DEFAULT_LINEAR_STROKING       = 10.0
  CIVIL_DEFAULT_PROFILE_STROKING      = 0.07
  CIVIL_DEFAULT_CURVE_STROKING        = 0.07
#  CIVIL_SURVEY_STROKE_TOLERANCE_LINEAR = 100.0
#  CIVIL_SURVEY_STROKE_TOLERANCE_CURVE  = 0.05
%endif
#-------------------------------------------------------------------------------

#===============================================================================
# Default Best Fit Settings
#===============================================================================
# These variables define the best fit parameters that are used to calculate the
# best fit profile when the 'Create 3D Automatically' option on the
# Feature Definition Toggle bar is enabled.

# These settings are NOT used by the 'Define Profile by Best Fit' geometry tool. That
# tool has its own settings that are defined interactively through the graphical interface.

%if $(Units) == "Metric"
  CIVIL_DEFAULT_BEST_FIT_UPPER_ENVELOPE  = 2
  CIVIL_DEFAULT_BEST_FIT_LOWER_ENVELOPE  = -.5
  CIVIL_DEFAULT_BEST_FIT_CREST_LENGTH    = 300
  CIVIL_DEFAULT_BEST_FIT_SAG_LENGTH      = 300
  CIVIL_DEFAULT_BEST_FIT_MINIMUM_LENGTH  = 50
%else
  CIVIL_DEFAULT_BEST_FIT_UPPER_ENVELOPE  = 5
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  CIVIL_DEFAULT_BEST_FIT_LOWER_ENVELOPE  = -1
  CIVIL_DEFAULT_BEST_FIT_CREST_LENGTH    = 1000
  CIVIL_DEFAULT_BEST_FIT_SAG_LENGTH      = 1000
  CIVIL_DEFAULT_BEST_FIT_MINIMUM_LENGTH  = 150
%endif
#-------------------------------------------------------------------------------

#===============================================================================
# Civil Terrain Settings
#===============================================================================
# These variables define filtering when importing high density terrain data that
# contains many points such as DWG Contour mapping. The filtering looks at 3 points.
# If the distance between points 1 & 3 is less than the Filter Maxgap value, then
# point 2 is evaluated to see if it is offset from a line connecting points 1 & 3
# by less than the Filter Tolerance value. If it is then it is removed.
#
# These variables are not enabled by default. They should only be enable when required
# on a project by project basis that has terrain data in DWG format.

# CIVIL_DTM_LINESTRING_FILTER_TOLERANCE = 0.05
# CIVIL_DTM_LINESTRING_FILTER_MAXGAP    = 0.5
#-------------------------------------------------------------------------------

#===============================================================================
# Cross Section Settings
#===============================================================================
# CIVIL_CROSSSECTION_STACK_TOP_DOWN set to TRUE causes cross sections to be created
# from the top to the bottom of the sheet. When set to FALSE or not defined cross
# sections are created in the default method from the bottom to the top of the sheet.
CIVIL_CROSSSECTION_STACK_TOP_DOWN         = FALSE

# CIVIL_CROSSSECTION_REVERSE_STATION_ENABLE set to TRUE enables an option on the Create
# Drawing dialog to create cross sections in a reverse station order. If this variable
# is not defined or is defined as FALSE the option does not appear on the dialog.
# When the Reverse Station Order option is selected on the Create Drawing dialog, the
# highest station cross section will appear first and the lowest station will appear last.
CIVIL_CROSSSECTION_REVERSE_STATION_ENABLE  = FALSE

# Units are in Sheet master units(feet or meters)
# NOTE: ALL 5 variables must be set for them to be used.
#
# CIVIL_CROSSSECTION_RT_TO_LT_SPACING - If multiple cross sections can fit in the same
# row moving from left to right, this variable defines the horizontal spacing between
# the adjacent cross section boundaries.

# CIVIL_CROSSSECTION_TOP_TO_BOT_SPACING - If multiple sections can fit in the same
# column moving from bottom to top, this variable defines the vertical spacing between
# the adjacent cross section boundaries.

# CIVIL_CROSSSECTION_SIDE_MARGIN - Each cross section is tested in the horizontal direction
# to determine if it will fit on the sheet and still allow this variable to be met. This
# distance is measured from the right edge of the cross section clipping boundary to the
# right edge of the sheet model edge. If the computed distance is less than this variable,
# a new cross section sheet model will be generated for the next cross section.

# CIVIL_CROSSSECTION_TOP_MARGIN - Defines the distance measured from the top edge of the
# cross section clipping boundary to the top edge of the sheet model edge.
#  If CIVIL_CROSSSECTION_STACK_TOP_DOWN is TRUE, this variable defines the starting location
#    of the first cross section at the top of the sheet.
#  If CIVIL_CROSSSECTION_STACK_TOP_DOWN is FALSE, this variable defines the top margin.
#    If there is not sufficient space for a cross section to fit inside the margin, a new
#    column or sheet of cross sections is started.

# CIVIL_CROSSSECTION_BOT_MARGIN - Defines the distance measured from the bottom edge of the
# cross section clipping boundary to the bottom edge of the sheet model edge.
#  If CIVIL_CROSSSECTION_STACK_TOP_DOWN is FALSE, this variable defines the starting location
#    of the first cross section at the bottom of the sheet.
#  If CIVIL_CROSSSECTION_STACK_TOP_DOWN is TRUE, this variable defines the bottom margin.
#    If there is not sufficient space for a cross section to fit inside the margin, a new
#    column or sheet of cross sections is started.

%if $(Units) == "Metric"
  CIVIL_CROSSSECTION_RT_TO_LT_SPACING   = 0.050
  CIVIL_CROSSSECTION_TOP_TO_BOT_SPACING = 0.045
  CIVIL_CROSSSECTION_SIDE_MARGIN        = 0.025
  CIVIL_CROSSSECTION_TOP_MARGIN         = 0.035
  CIVIL_CROSSSECTION_BOT_MARGIN         = 0.035

%else
  CIVIL_CROSSSECTION_RT_TO_LT_SPACING   = 0.16667
  CIVIL_CROSSSECTION_TOP_TO_BOT_SPACING = 0.16667
  CIVIL_CROSSSECTION_SIDE_MARGIN        = 0.08333
  CIVIL_CROSSSECTION_TOP_MARGIN         = 0.12500
  CIVIL_CROSSSECTION_BOT_MARGIN         = 0.12500
%endif
#-------------------------------------------------------------------------------
```

```
#============================================================================================
# Civil Model Upgrade Options
#============================================================================================
# Two configuration variables control upgrading options.
#
# When the CIVIL_UPGRADE_PROMPT_OFF variable is set equal to 1, it will hide
# the upgrade prompt and automatically upgrade files with no prompting.
#
# CIVIL_OPEN_OLD_READONLY on its own will do nothing. It requires the
# CIVIL_UPGRADE_PROMPT_OFF configuration variable also be set. However, when
# both variables are set, the upgrade prompt will be hidden and the file
# will be opened as read-only.

#CIVIL_UPGRADE_PROMPT_OFF            = 1
#CIVIL_OPEN_OLD_READONLY             = 1
#--------------------------------------------------------------------------------------------

#============================================================================================
# Civil Annotation Sight Distance Computation
#============================================================================================
%if $(Units) == "Metric"
 CIVIL_ANNOTATION_SIGHTDISTANCE_EYEHEIGHT    = 1.08
 CIVIL_ANNOTATION_SIGHTDISTANCE_OBJECTHEIGHT = 0.60

%else
 CIVIL_ANNOTATION_SIGHTDISTANCE_EYEHEIGHT    = 3.50
 CIVIL_ANNOTATION_SIGHTDISTANCE_OBJECTHEIGHT = 2.00
%endif
#--------------------------------------------------------------------------------------------

#============================================================================================
# Rail Dimensions
#============================================================================================
%if $(Units) == "Metric"
 CIVIL_RAIL_CENTER_CENTER_DISTANCE     = 1.500
 CIVIL_RAIL_INSIDE_INSIDE_DISTANCE     = 1.435

%else
 CIVIL_RAIL_CENTER_CENTER_DISTANCE     = 4.921
 CIVIL_RAIL_INSIDE_INSIDE_DISTANCE     = 4.708
%endif
#--------------------------------------------------------------------------------------------
```

```
#============================================================================================
# Civil Annotation Computed Prefix Override Names #EDITED
#============================================================================================
CIVIL_USE_CUSTOM_POINT_LABELS = 1
#CIVIL_LABEL_SCS            = SCS
#CIVIL_LABEL_SRS            = SRS
CIVIL_LABEL_ST             = T
CIVIL_LABEL_SC             = SC
CIVIL_LABEL_TS             = S
CIVIL_LABEL_CS             = CS
#CIVIL_LABEL_PRC            = PRC
CIVIL_LABEL_PCC            = CC
CIVIL_LABEL_PC             = C
CIVIL_LABEL_PT             = T
#CIVIL_LABEL_POT            = POT
#CIVIL_LABEL_START          = START
#CIVIL_LABEL_END            = END
#CIVIL_LABEL_POLY           = POLY
#CIVIL_LABEL_VHP            = VHP
#CIVIL_LABEL_VLP            = VLP
CIVIL_LABEL_VPC            = PVC
CIVIL_LABEL_VPT            = PVT
CIVIL_LABEL_VPI            = PVI
#CIVIL_LABEL_VPI_ARC        = VPI_ARC
CIVIL_LABEL_VPI_PARABOLA    = PVI
#CIVIL_LABEL_HPI            = HPI
#CIVIL_LABEL_HPI_ARC        = HPI_ARC
#CIVIL_LABEL_HPI_SPIRAL     = HPI_SPIRAL
#CIVIL_LABEL_EQN            = EQN
#CIVIL_LABEL_EQNAH          = EQNAH
#CIVIL_LABEL_EQNBK          = EQNBK
#--------------------------------------------------------------------------------------------
```

```
#============================================================================================
# Overhead line Settings
#============================================================================================
# This variable defines the standards file used by the Overhead Line tools.

OVERHEADLINE_DESIGNSTANDARDS_FILE     = $(CIVIL_ORGANIZATION_STANDARDS)Overheadline/$(UNITS)OHLStandards.odr

OVERHEADLINE_SICAT_SETTINGSDIR_DIR    = $(CIVIL_ORGANIZATION_STANDARDS)Overheadline/
OVERHEADLINE_SICAT_WORKSPACEDIR_DIR   = $(CIVIL_ORGANIZATION_STANDARDS)Overheadline/
OVERHEADLINE_SICAT_WORKSETDIR_DIR     = $(CIVIL_ORGANIZATION_STANDARDS)Overheadline/
#--------------------------------------------------------------------------------------------
```

MS_PLTDLG_ALLOW_FORM_SIZE_EDIT = 1

```
#=============================================================================
# Scale Models App
#=============================================================================
# APPLICATION: Scale Models
# KEYIN: ScaleModels Start
_SM_ADDIN_PATH                                  = $(CIVIL_ORGANIZATION_STANDARDS)Apps/Migration Utils/Scale Models

MS_ADDINPATH                                    < $(_SM_ADDIN_PATH)/

MS_ADDIN_DEPENDENCYPATH                 < $(_SM_ADDIN_PATH)

%if exists ($(_SM_ADDIN_PATH)/ScaleModels.dll)
   MS_DGNAPPS                                   < $(_SM_ADDIN_PATH)/ScaleModels.dll
%endif
#-----------------------------------------------------------------------------
```