

ORD Civil Imperial Default and UPRR Work Space Compare

— 107 removals

617 lines

```

1 #=====
  =====
2 # Configuration File Version - 24.00.00
3 # Imperial (Survey Foot) Units
4 #-----
  -----
5
6 # Unit Definition - DO NOT CHANGE
7 #=====
  =====
8 # The _Civil Default Standards - Imperial and
  _Civil Default Standards - Imp_Foot
9 # organization standards will use Imperial units
  and all other organization standards will use
  Metric units
10 # will use Metric units automatically with no
  changes required in this file.
11
12 %if $(CIVIL_ORGANIZATION_NAME) == "_Civil Default
  Standards - Imperial"
13     UNITS                                = Imperial
14 %elif $(CIVIL_ORGANIZATION_NAME) == "_Civil
  Default Standards - Imp_Foot"
15     UNITS                                = Imperial
16 %else
17     UNITS                                = Metric
18 %endif
19 #-----
  -----
20
21 #=====
  =====
22 # File Localization Naming - DO NOT CHANGE
23 #=====
  =====
24 # CIVIL_FILENAME defines a variable text string
  that makes file names in the
25 # workspace more meaningful by including a unit or
  localization name.
26 # For example, the delivered design seed file is
  named
27 #     Seed2D - Metric Design.dgn where "Metric"
  is the variable text.
28 # In a localized workspace a seed file could be
  named
29 #     Seed2D - DACH Design.dgn where "DACH" is
  the variable text.

```

+ 75 additions

588 lines

```

1 #=====
  =====
2 # Configuration File Version - 24.00.00
3 # Union Pacific Railroad Track Design Workspace
4 #-----
  -----
5
6 # Unit Definition
7 #=====
  =====
8 # The _Civil Default Standards - Imperial and
  _Civil Default Standards - Imp_Foot
9 # organization standards will use Imperial units
  and all other organization standards will use
  Metric units
10 # will use Metric units automatically with no
  changes required in this file.
11

```

REMOVED SECTIONS FOR VARIABLE UNIT
ASSIGNMENTS. IMPERIAL UNITS ONLY

12 UNITS = Imperial

REMOVED SECTIONS FOR VARIABLE UNIT
ASSIGNMENTS. IMPERIAL UNITS ONLY

```

30 # If the CIVIL_LOCALIZATION_NAME variable is
    defined in the workspace cfg file,
31 # the text defined by that variable is used.
32 # the text defined by that variable is used.
33
34 %if defined (CIVIL_LOCALIZATION_NAME)
35     CIVIL_FILENAME =
        $(CIVIL_LOCALIZATION_NAME)
36 %elif $(CIVIL_ORGANIZATION_NAME) == "_Civil
    Default Standards - Imperial"
37     CIVIL_FILENAME = Imperial
38 %elif $(CIVIL_ORGANIZATION_NAME) == "_Civil
    Default Standards - Imp_Foot"
39     CIVIL_FILENAME = Imp_Foot
40 %else
41     CIVIL_FILENAME = Metric
42 %endif
43 #-----
    -----
44
45 #=====
    =====
46 # Folder Location Definition - DO NOT CHANGE
47 #=====
    =====
48 # The CIVIL_ORGANIZATION_STANDARDS variable
    defines where the Organization Standards
49 # are located. These can be located on a local
    computer or a shared network drive.
50 # To define these on a network drive, edit the
    WorkspaceSetup.cfg file and change
51 # the CIVIL_ORGANIZATION_ROOT variable. NO changes
    are needed in this file.
52
53 CIVIL_ORGANIZATION_STANDARDS =
    $(CIVIL_ORGANIZATION_ROOT)$(CIVIL_ORGANIZATION_NAM
    E)/
54 #-----
    -----
55
56 #=====
    =====
57 # Preferences files
58 #=====
    =====
59 _USTN_USERNAME =
    $(_USTN_PRODUCT_SHORTNAME)_$(CIVIL_FILENAME)
60 _USTN_PREFNAMEBASE =
    $(_USTN_HOMEPREFS)$(_USTN_PRODUCT_SHORTNAME)_$(CIV
    IL_FILENAME)

```

EDIT THIS SECTION TO PATH
TO ROOT UPRR STANDARDS
FOLDER IF NEEDED

```

13 #-----
    -----
14
15 #=====
    =====
16 # Folder Location Definition #EDIT BELOW
17 #=====
    =====
18 # The CIVIL_ORGANIZATION_STANDARDS variable
    defines where the Organization Standards
19 # are located. These can be located on a local
    computer or a shared network drive.
20 # To define these on a network drive, edit the
    WorkspaceSetup.cfg file and change
21 # the CIVIL_ORGANIZATION_ROOT variable. NO changes
    are needed in this file.
22
23 #CIVIL_ORGANIZATION_STANDARDS =
    $(CIVIL_ORGANIZATION_ROOT)$(CIVIL_ORGANIZATION_NAM
    E)/ Out-of-box
    Standards Folder
24
25 #Change location below to standards location
26
27 CIVIL_ORGANIZATION_STANDARDS = 'Define File Path
    to OpenRail Designer Standards Folder'
28 #-----
    -----
29
30 #=====
    =====
31 # Preferences files
32 #=====
    =====
33 _USTN_USERNAME =
    $(_USTN_PRODUCT_SHORTNAME)_$(CIVIL_FILENAME)
34 _USTN_PREFNAMEBASE =
    $(_USTN_HOMEPREFS)$(_USTN_PRODUCT_SHORTNAME)_$(CIV
    IL_FILENAME)

```

```

61 MS_DOCKINGPREF =
   $(_USTN_PREFNAMEBASE).docking.xml
62 MS_GROUPPANELPREF =
   $(_USTN_PREFNAMEBASE).GroupPanels.xml
63 MS_SAVEMENU =
   $(_USTN_PREFNAMEBASE).Attached.men
64 MS_RIBBONPREFS =
   $(_USTN_PREFNAMEBASE).RibbonState.xml
65 MS_FKEYMNU =
   $(_USTN_PREFNAMEBASE).funkey.mnu
66 MS_USERPREF =
   $(_USTN_PREFNAMEBASE).upf
67 #-----
   -----
68
69 #=====
   =====
70 # Seed files (Additional Seed files defined in the
   Subsurface Utilities section)
71 #=====
   =====
72 MS_SEEDFILES =
   $(CIVIL_ORGANIZATION_STANDARDS)Seed/
73 %if $(_ENGINE_NAME) == "OpenRailDesigner" ||
   $(_ENGINE_NAME) == "OpenRailOverheadLineDesigner"
74 MS_DESIGNSEED = Seed2D
   - $(CIVIL_FILENAME) Rail Design.dgn
75 MS_DESIGNMODELSEED = Seed2D
   - $(CIVIL_FILENAME) Rail Design.dgn
76 MS_DESIGNMODELSEEDNAME =
   Default
77 %elif $(_ENGINE_NAME) == "OpenSiteDesigner"
78 MS_DESIGNSEED = Seed2D
   - $(CIVIL_FILENAME) Site Design.dgn
79 MS_DESIGNMODELSEED = Seed2D
   - $(CIVIL_FILENAME) Site Design.dgn
80 MS_DESIGNMODELSEEDNAME =
   Default
81 %else
82 MS_DESIGNSEED = Seed2D
   - $(CIVIL_FILENAME) Design.dgn
83 MS_DESIGNMODELSEED = Seed2D
   - $(CIVIL_FILENAME) Design.dgn
84 MS_DESIGNMODELSEEDNAME =
   Default
85 %endif
86
87 MS_DRAWINGMODELSEED =
   $(CIVIL_ORGANIZATION_STANDARDS)Seed/Sheets/Seed2D
   - $(CIVIL_FILENAME) Drawing.dgn
88 MS_DRAWINGMODELSEEDNAME = 2D
   $(CIVIL_FILENAME) Drawing
89 MS_SHEETMODELSEED =
   $(CIVIL_ORGANIZATION_STANDARDS)Seed/Sheets/Seed2D
   - $(CIVIL_FILENAME) Sheet.dgn
90 MS_SHEETMODELSEEDNAME = 2D
   $(CIVIL_FILENAME) Sheet

```

```

35 MS_DOCKINGPREF =
   $(_USTN_PREFNAMEBASE).docking.xml
36 MS_GROUPPANELPREF =
   $(_USTN_PREFNAMEBASE).GroupPanels.xml
37 MS_SAVEMENU =
   $(_USTN_PREFNAMEBASE).Attached.men
38 MS_RIBBONPREFS =
   $(_USTN_PREFNAMEBASE).RibbonState.xml
39 MS_FKEYMNU =
   $(_USTN_PREFNAMEBASE).funkey.mnu
40 MS_USERPREF =
   $(_USTN_PREFNAMEBASE).upf
41 #-----
   -----
42
43 #=====
   =====
44 # Seed files (Additional Seed files defined in the
   Subsurface Utilities section)
45 #=====
   =====
46 MS_SEEDFILES =
   $(CIVIL_ORGANIZATION_STANDARDS)Seed/
47 MS_DESIGNSEED =
   Project Design Seed 2d.dgn
48 MS_DESIGNMODELSEED =
   Project Design Seed 2d.dgn
49 MS_DESIGNMODELSEEDNAME =
   Default
50 MS_DRAWINGMODELSEED =
   Drawing Seed 2d.dgn
51 MS_DRAWINGMODELSEEDNAME = 2D
   Drawing
52 MS_SHEETMODELSEED = Sheet
   Seed 2d.dgn
53 MS_SHEETMODELSEEDNAME = 2D
   Sheet

```

EDITED FOR UPRR SEED FILE NAMES. SAME
SEED FILES EXIST FOR OPENRAIL OR
MICROSTATION CONNECT.

```

92 MS_CELL_SEEDFILE
   = Seed2D - $(CIVIL_FILENAME) Design.dgn
93 #-----
   -----
94
95 #=====
   =====
96 # CAD Environment (MicroStation)
   OpenSite/OpenRoads/OpenRail Designer DGN Library
   Settings
97 #=====
   =====
98 # MS_LEVEL_LIB_DIR
   Directory to look for when exporting levels or
   importing levels to/from a CSV, DGN, or DGNLib
   file.
99 # MS_DGNLIBLIST
   DGN library files that define Levels, Line Styles,
   Text Styles, Dimension Styles, Multiline Styles,
100 #
   Element Templates, Text Favorites, Table Styles,
   Report Definitions, Drawing Seeds, Drawing
   Boundaries,
101 #
   Display Styles, Display Rules, Page Layouts, Saved
   Views and Item Types.
102 # MS_DGNLIBLIST_ELEMENTTEMPLATES
   Specific DGN library files that define element
   templates. This variable must be used when the
   MS_DGNLIBLIST_DRAWINGSEEDS
103 #
   variable is used or the element template will not
   be found.
104 # MS_DGNLIBLIST_LEVELS
   Specific DGN library files that define levels.
   Level definitions in all other DGN library files
   are ignored
105 # MS_DGNLIBLIST_LINESTYLES
   Specific DGN library files that define line
   styles. Line styles definitions in all other DGN
   library files are ignored
106 # MS_DGNLIBLIST_TEXTSTYLES
   Specific DGN library files that define text
   styles. Text styles definitions in all other DGN
   library files are ignored
107 # MS_DGNLIBLIST_TEXTFAVORITES
   Specific DGN library files that define text
   favorites. Text favorites definitions in all other
   DGN library files are ignored
108 # MS_DGNLIBLIST_DIMENSIONSTYLES
   Specific DGN library files that define dimension
   styles. Dimension styles definitions in all other
   DGN library files are ignored
109 # MS_DGNLIBLIST_DRAWINGSEEDS
   Specific DGN library files that define the
   MicroStation sheet seeds.
110 # MS_DGNLIBLIST_DISPLAYSTYLES
   Specific DGN library files that define display

```

```

55 MS_CELL_SEEDFILE
   = Seed2D - $(CIVIL_FILENAME) Design.dgn
56 #-----
   -----
57
58 #=====
   =====
59 # CAD Environment (MicroStation)
   OpenSite/OpenRoads/OpenRail Designer DGN Library
   Settings
60 #=====
   =====
61 # MS_LEVEL_LIB_DIR
   Directory to look for when exporting levels or
   importing levels to/from a CSV, DGN, or DGNLib
   file.
62 # MS_DGNLIBLIST
   DGN library files that define Levels, Line Styles,
   Text Styles, Dimension Styles, Multiline Styles,
63 #
   Element Templates, Text Favorites, Table Styles,
   Report Definitions, Drawing Seeds, Drawing
   Boundaries,
64 #
   Display Styles, Display Rules, Page Layouts, Saved
   Views and Item Types.
65 # MS_DGNLIBLIST_ELEMENTTEMPLATES
   Specific DGN library files that define element
   templates. This variable must be used when the
   MS_DGNLIBLIST_DRAWINGSEEDS
66 #
   variable is used or the element template will not
   be found.
67 # MS_DGNLIBLIST_LEVELS
   Specific DGN library files that define levels.
   Level definitions in all other DGN library files
   are ignored
68 # MS_DGNLIBLIST_LINESTYLES
   Specific DGN library files that define line
   styles. Line styles definitions in all other DGN
   library files are ignored
69 # MS_DGNLIBLIST_TEXTSTYLES
   Specific DGN library files that define text
   styles. Text styles definitions in all other DGN
   library files are ignored
70 # MS_DGNLIBLIST_TEXTFAVORITES
   Specific DGN library files that define text
   favorites. Text favorites definitions in all other
   DGN library files are ignored
71 # MS_DGNLIBLIST_DIMENSIONSTYLES
   Specific DGN library files that define dimension
   styles. Dimension styles definitions in all other
   DGN library files are ignored
72 # MS_DGNLIBLIST_DRAWINGSEEDS
   Specific DGN library files that define the
   MicroStation sheet seeds.
73 # MS_DGNLIBLIST_DISPLAYSTYLES
   Specific DGN library files that define display

```

```

styles. Display styles definitions in all other
DGN library files are ignored
111 #
112 # CIVIL_CONTENTMANAGEMENTDGNLIBLIST
Specific DGN library files that civil feature and
civil labeler definitions.
113 # CIVIL_PROJECTSETTINGSDGNLIBLIST
Specific DGN library files that civil survey
settings.
114 # RAIL_SETTINGSDGNLIBLIST
Specific DGN library files that civil rail
settings.
115 #
116 # MS_DGNLIBLIST_ITEMTYPES
Specific DGN library files that define item types.
Item type definitions in all other DGN library
files are ignored
117 # ITEMTYPE_LOOKUP
The excel file(s) where lookup expressions AND
pick lists are defined for item types. Multiple
files can be defined.
118 # 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.
119 #
If the pick lists and lookup expressions are in
the same file, only use the ITEMTYPE_LOOKUP
variable.
120 # ITEMTYPE_PRIORITY_MAP_PATH
<OPTIONAL> A single json file that defines
behavior for resolving item type conflicts.
121 #
When this file is not defined the value from the
FIRST element selected is used if there is a
conflict. Using this file,
122 #
the behavior can be set to use the FIRST, LAST, or
NONE for each command.
123 # CIVILPROPERTYECEXPRESSION
When set, enables the Copy ECEExpression on the
right click over civil properties in the
Properties dialog.
124 # CIVIL_TOOL_SETTINGS_OMIT_ITEMTYPES
When set to TRUE, omits showing item types on the
Tool Settings dialog.
125 # CIVIL_QUICK_PROPERTIES_OMIT_ITEMTYPES
When set to TRUE, omits showing item types on the
Quick Properties dialog.
126 # CIVIL_ITEMTYPE_UPDATE_LASTVALIDVALUE_ON_CLOSE
By default all item type expressions are evaluated
and the 'last valid values' updated when a file is
closed.
127 #
This is important prior to running Connector to
create an iTwin. This process can take some time
on large files.
128 #
Setting this variable to FALSE may be desirable in

```

```

styles. Display styles definitions in all other
DGN library files are ignored
74 #
75 # CIVIL_CONTENTMANAGEMENTDGNLIBLIST
Specific DGN library files that civil feature and
civil labeler definitions.
76 # CIVIL_PROJECTSETTINGSDGNLIBLIST
Specific DGN library files that civil survey
settings.
77 # RAIL_SETTINGSDGNLIBLIST
Specific DGN library files that civil rail
settings.
78 #
79 # MS_DGNLIBLIST_ITEMTYPES
Specific DGN library files that define item types.
Item type definitions in all other DGN library
files are ignored
80 # ITEMTYPE_LOOKUP
The excel file(s) where lookup expressions AND
pick lists are defined for item types. Multiple
files can be defined.
81 # 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.
82 #
If the pick lists and lookup expressions are in
the same file, only use the ITEMTYPE_LOOKUP
variable.
83 # ITEMTYPE_PRIORITY_MAP_PATH
<OPTIONAL> A single json file that defines
behavior for resolving item type conflicts.
84 #
When this file is not defined the value from the
FIRST element selected is used if there is a
conflict. Using this file,
85 #
the behavior can be set to use the FIRST, LAST, or
NONE for each command.
86 # CIVILPROPERTYECEXPRESSION
When set, enables the Copy ECEExpression on the
right click over civil properties in the
Properties dialog.
87 # CIVIL_TOOL_SETTINGS_OMIT_ITEMTYPES
When set to TRUE, omits showing item types on the
Tool Settings dialog.
88 # CIVIL_QUICK_PROPERTIES_OMIT_ITEMTYPES
When set to TRUE, omits showing item types on the
Quick Properties dialog.
89 # CIVIL_ITEMTYPE_UPDATE_LASTVALIDVALUE_ON_CLOSE
By default all item type expressions are evaluated
and the 'last valid values' updated when a file is
closed.
90 #
This is important prior to running Connector to
create an iTwin. This process can take some time
on large files.
91 #
Setting this variable to FALSE may be desirable in

```

```

some situations until just prior to syncing to a
iTwin. Item type
129 #
expressions can also be evaluated and the 'last
valid values' updated using the ItemTypesLKG macro
provided in the
130 #
example workspace. This macro can be run on
individual files or entire projects using the
Batch Process utility.
131 #=====
=====
132 # The following are common to OpenSite, OpenRoads,
OpenRail, Overhead Line, or OpenBridge and are
always loaded
133 #MS_LEVEL_LIB_DIR <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/
134 MS_DGNLIBLIST <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/*.dgnlib
135 MS_DGNLIBLIST_ELEMENTTEMPLATES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/*.dgnlib
136 MS_DGNLIBLIST_LEVELS <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/*Levels*.dgnlib
137 CIVIL_CONTENTMANAGEMENTDGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/*Features*.dgnlib
138 CIVIL_CONTENTMANAGEMENTDGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/*Labeler*.dgnlib
139 MS_DGNLIBLIST_TEXTSTYLES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/*Text Styles*.dgnlib
140 MS_DGNLIBLIST_TEXTFAVORITES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/*Text Favorites*.dgnlib
141 MS_DGNLIBLIST_DIMENSIONSTYLES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/*Dimension Styles*.dgnlib
142 CIVIL_PROJECTSETTINGSDGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/*Survey Settings*.dgnlib
143 MS_DGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Sheet
Seeds/Road/*.dgnlib
144 MS_DGNLIBLIST_DRAWINGSEEDS >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Sheet
Seeds/Road/*.dgnlib
145
146 # Item Types
147 MS_DGNLIBLIST_ITEMTYPES =
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/*Item Types*.dgnlib
148 ITEMTYPE_LOOKUP =
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Item

```

```

some situations until just prior to syncing to a
iTwin. Item type
92 #
expressions can also be evaluated and the 'last
valid values' updated using the ItemTypesLKG macro
provided in the
93 #
example workspace. This macro can be run on
individual files or entire projects using the
Batch Process utility.
94 #=====
=====
95 # The following are common to OpenSite, OpenRoads,
OpenRail, Overhead Line, or OpenBridge and are
always loaded
96 #MS_LEVEL_LIB_DIR <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/
97 MS_DGNLIBLIST <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/*.dgnlib
98 MS_DGNLIBLIST_ELEMENTTEMPLATES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/*.dgnlib
99 MS_DGNLIBLIST_LEVELS <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/*Levels*.dgnlib
100 CIVIL_CONTENTMANAGEMENTDGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/*Features*.dgnlib
101 CIVIL_CONTENTMANAGEMENTDGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/*Labeler*.dgnlib
102 MS_DGNLIBLIST_TEXTSTYLES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/*Text Styles*.dgnlib
103 MS_DGNLIBLIST_TEXTFAVORITES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/*Text Favorites*.dgnlib
104 MS_DGNLIBLIST_DIMENSIONSTYLES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/*Dimension Styles*.dgnlib
105 CIVIL_PROJECTSETTINGSDGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/*Survey Settings*.dgnlib
106 MS_DGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Sheet
Seeds/*.dgnlib
107 MS_DGNLIBLIST_DRAWINGSEEDS >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Sheet
Seeds/*.dgnlib
108
109 # Item Types
110 MS_DGNLIBLIST_ITEMTYPES =
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/*Item Types*.dgnlib
111 ITEMTYPE_LOOKUP =
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Item

```

NO ROADWAY SHEET SEEDS

Types/Pay Item Lookup.xlsx

```

149 ITEMTYPE_LOOKUP >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Item
Types/Sign Lookup.xlsx

150 ITEMTYPE_LOOKUP >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Item
Types/IFC_Classes_Types.xlsx
151 ITEMTYPE_PRIORITY_MAP_PATH =
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Item
Types/Civil Item Type Priority.json
152 CIVILPROPERTYECPRESSION = 1
153 CIVIL_TOOL_SETTINGS_OMIT_ITEMTYPES =
True
154 CIVIL_QUICK_PROPERTIES_OMIT_ITEMTYPES =
True
155
156 # Add the following if running OpenRoads,
OpenRail, Overhead Line, OpenBridge, or OpenTunnel
157 %if $(ENGINE_NAME) == "OpenRoadsDesigner" ||
$(ENGINE_NAME) == "OpenRailDesigner" ||
$(ENGINE_NAME) == "OpenRailOverheadLineDesigner"
|| $(ENGINE_NAME) == "OpenBridgeModeler" ||
$(ENGINE_NAME) == "OpenTunnelDesigner"
158 MS_DGNLIBLIST <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Road/*.dgnlib
159 MS_DGNLIBLIST_ELEMENTTEMPLATES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Road/*.dgnlib
160 MS_DGNLIBLIST_LEVELS <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Road/*Levels*.dgnlib
161 CIVIL_CONTENTMANAGEMENTDGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Road/*Features*.dgnlib
162 MS_DGNLIBLIST_TEXTSTYLES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Road/*Text Styles*.dgnlib
163 MS_DGNLIBLIST_TEXTFAVORITES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Road/*Text Favorites*.dgnlib
164 MS_DGNLIBLIST_DIMENSIONSTYLES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Road/*Dimension Styles*.dgnlib
165 %endif
166
167 # Add the following if running OpenRail, Overhead
Line, OpenBridge, or OpenTunnel
168 %if $(ENGINE_NAME) == "OpenRailDesigner" ||
$(ENGINE_NAME) == "OpenRailOverheadLineDesigner"
|| $(ENGINE_NAME) == "OpenBridgeModeler" ||
$(ENGINE_NAME) == "OpenTunnelDesigner"
169 MS_DGNLIBLIST <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail/*.dgnlib
170 MS_DGNLIBLIST_ELEMENTTEMPLATES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail/*.dgnlib

```

Types/Rail Properties.xlsx

CUSTOM LOOKUP TABLE
FOR UPRR WORKSPACE

```

112 ITEMTYPE_LOOKUP >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Item
Types/IFC_Classes_Types.xlsx
113 ITEMTYPE_PRIORITY_MAP_PATH =
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Item
Types/Civil Item Type Priority.json
114 CIVILPROPERTYECPRESSION = 1
115 CIVIL_TOOL_SETTINGS_OMIT_ITEMTYPES =
True
116 CIVIL_QUICK_PROPERTIES_OMIT_ITEMTYPES =
True
117
118 # Add the following if running OpenRoads,
OpenRail, Overhead Line, OpenBridge, or OpenTunnel
119 %if $(ENGINE_NAME) == "OpenRoadsDesigner" ||
$(ENGINE_NAME) == "OpenRailDesigner" ||
$(ENGINE_NAME) == "OpenRailOverheadLineDesigner"
|| $(ENGINE_NAME) == "OpenBridgeModeler" ||
$(ENGINE_NAME) == "OpenTunnelDesigner"
120 MS_DGNLIBLIST <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Road/*.dgnlib
121 MS_DGNLIBLIST_ELEMENTTEMPLATES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Road/*.dgnlib
122 MS_DGNLIBLIST_LEVELS <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Road/*Levels*.dgnlib
123 CIVIL_CONTENTMANAGEMENTDGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Road/*Features*.dgnlib
124 MS_DGNLIBLIST_TEXTSTYLES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Road/*Text Styles*.dgnlib
125 MS_DGNLIBLIST_TEXTFAVORITES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Road/*Text Favorites*.dgnlib
126 MS_DGNLIBLIST_DIMENSIONSTYLES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Road/*Dimension Styles*.dgnlib
127 %endif
128
129 # Add the following if running OpenRail, Overhead
Line, OpenBridge, or OpenTunnel
130 %if $(ENGINE_NAME) == "OpenRailDesigner" ||
$(ENGINE_NAME) == "OpenRailOverheadLineDesigner"
|| $(ENGINE_NAME) == "OpenBridgeModeler" ||
$(ENGINE_NAME) == "OpenTunnelDesigner"
131 MS_DGNLIBLIST <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail/*.dgnlib
132 MS_DGNLIBLIST_ELEMENTTEMPLATES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail/*.dgnlib

```



```

171 MS_DGNLIBLIST_LEVELS <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail/*Levels*.dgnlib
172 CIVIL_CONTENTMANAGEMENTDGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail/*Features*.dgnlib
173 MS_DGNLIBLIST_TEXTSTYLES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail/*Text Styles*.dgnlib
174 MS_DGNLIBLIST_TEXTFAVORITES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail/*Text Favorites*.dgnlib
175 MS_DGNLIBLIST_DIMENSIONSTYLES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail/*Dimension Styles*.dgnlib
176 RAIL_SETTINGSDGNLIBLIST <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail/*Rail Settings*.dgnlib
177 MS_DGNLIBLIST_ITEMTYPES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail/*Item Types*.dgnlib
178 MS_DGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Sheet
Seeds/Rail/*.dgnlib
179 MS_DGNLIBLIST_DRAWINGSEEDS >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Sheet
Seeds/Rail/*.dgnlib
180 ITEMTYPE_LOOKUP <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Item
Types/LV_Status.xlsx
181 %endif
182
183 # Add the following if running Overhead Line
184 %if $_(ENGINE) ==
"OpenRailOverheadLineDesigner"
185 MS_DGNLIBLIST_LEVELS <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail OHL/*Levels*.dgnlib
186 CIVIL_CONTENTMANAGEMENTDGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail OHL/*Labeler*.dgnlib
187 MS_DGNLIBLIST_TEXTSTYLES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail OHL/*Text Styles*.dgnlib
188 MS_DGNLIBLIST_TEXTFAVORITES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail OHL/*Text Favorites*.dgnlib
189 MS_DGNLIBLIST_DIMENSIONSTYLES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail OHL/*Dimension Styles*.dgnlib
190 MS_CELLLIST >
$(CIVIL_ORGANIZATION_STANDARDS)cell/Rail OHL/*.cel
# Cell Libraries to be searched
191 %endif
192 #-----
-----
193
194

```

```

133 MS_DGNLIBLIST_LEVELS <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail/*Levels*.dgnlib
134 CIVIL_CONTENTMANAGEMENTDGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail/*Features*.dgnlib
135 MS_DGNLIBLIST_TEXTSTYLES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail/*Text Styles*.dgnlib
136 MS_DGNLIBLIST_TEXTFAVORITES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail/*Text Favorites*.dgnlib
137 MS_DGNLIBLIST_DIMENSIONSTYLES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail/*Dimension Styles*.dgnlib
138 RAIL_SETTINGSDGNLIBLIST <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail/*Rail Settings*.dgnlib
139 MS_DGNLIBLIST_ITEMTYPES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail/*Item Types*.dgnlib
140 MS_DGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Sheet
Seeds/Rail/*.dgnlib
141 MS_DGNLIBLIST_DRAWINGSEEDS >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Sheet
Seeds/Rail/*.dgnlib
142 ITEMTYPE_LOOKUP <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Item
Types/LV_Status.xlsx
143 %endif
144
145 # Add the following if running Overhead Line
146 %if $_(ENGINE) ==
"OpenRailOverheadLineDesigner"
147 MS_DGNLIBLIST_LEVELS <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail OHL/*Levels*.dgnlib
148 CIVIL_CONTENTMANAGEMENTDGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail OHL/*Labeler*.dgnlib
149 MS_DGNLIBLIST_TEXTSTYLES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail OHL/*Text Styles*.dgnlib
150 MS_DGNLIBLIST_TEXTFAVORITES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail OHL/*Text Favorites*.dgnlib
151 MS_DGNLIBLIST_DIMENSIONSTYLES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
Definitions/Rail OHL/*Dimension Styles*.dgnlib
152 MS_CELLLIST >
$(CIVIL_ORGANIZATION_STANDARDS)cell/Rail OHL/*.cel
# Cell Libraries to be searched
153 %endif
154 #-----
-----
155
156

```



```

195 #=====
=====
196 # General CAD Environment (MicroStation) Settings
197 #=====
=====

198 MS_DGNLIBLIST_LINESTYLES >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Line
Styles/*.dgnlib # Location of Line Styles

199 MS_DGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Reports and
Tables/*.dgnlib # Location of Reports and Table
Seeds

200 MS_FONTPATH >
$(CIVIL_ORGANIZATION_STANDARDS)fonts/
# Location of MicroStation fonts

201 MS_DGNTEXTEDITORFAVORITESYMBOLS =
$(CIVIL_ORGANIZATION_STANDARDS)fonts/FavoriteSymbo
ls.xml # Location and name of text
favorites symbols

202 MS_DGNLIBLIST_DISPLAYSTYLES >
$( _USTN_SYSTEMROOT)Dgnlib/DrawComp/$( _USTN_LOCALE_
LANGUAGE)/DrawingSeed.dgnlib # Load the
default MicroStation Display Styles

203 MS_DGNLIBLIST_DISPLAYSTYLES >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Display
Styles/*.dgnlib # Location of Display Styles

204 MS_DGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Display
Styles/*.dgnlib # Location of Display Rules

205 MS_GUIDGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/GUI/*.dgnlib
# Location of GUI Customization seeds

206 MS_COLORBOOK_LIBRARIES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Color
Books/*.dgnlib # Location of for Color
Books

207 MS_CELL <
$(CIVIL_ORGANIZATION_STANDARDS)cell/
# Location of Cell Libraries

208 MS_CELLLIST <
$(CIVIL_ORGANIZATION_STANDARDS)cell/*.cel
# Cell Libraries to be searched

209 MS_MATERIAL <
$(CIVIL_ORGANIZATION_STANDARDS)materials/
# Location of material pallets

210 MS_PATTERN <
$(CIVIL_ORGANIZATION_STANDARDS)materials/pattern/
# Location of pattern maps

211 MS_BUMP <
$(CIVIL_ORGANIZATION_STANDARDS)materials/bump/
# Location of bump maps

212 MS_CUSTOMSCALEDEF =
$(CIVIL_ORGANIZATION_STANDARDS)Scales/scales.def
# Scale Definitions used for Annotation Scales

```

```

157 #=====
=====
158 # General CAD Environment (MicroStation) Settings
159 #=====
=====

160 MS_DGNLIBLIST_LINESTYLES >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Line
Styles/*.dgnlib # Location of Line Styles
Dgnlib

161 MS_SYMBRSRC >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Line
Styles/*.rsc # Location of Line Styles
Resource

162 MS_DGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Reports and
Tables/*.dgnlib # Location of Reports and Table
Seeds

163 MS_FONTPATH >
$(CIVIL_ORGANIZATION_STANDARDS)fonts/
# Location of MicroStation fonts

164 MS_DGNTEXTEDITORFAVORITESYMBOLS =
$(CIVIL_ORGANIZATION_STANDARDS)fonts/FavoriteSymbo
ls.xml # Location and name of text
favorites symbols

165 MS_DGNLIBLIST_DISPLAYSTYLES >
$( _USTN_SYSTEMROOT)Dgnlib/DrawComp/$( _USTN_LOCALE_
LANGUAGE)/DrawingSeed.dgnlib # Load the
default MicroStation Display Styles

166 MS_DGNLIBLIST_DISPLAYSTYLES >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Display
Styles/*.dgnlib # Location of Display Styles

167 MS_DGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Display
Styles/*.dgnlib # Location of Display Rules

168 MS_GUIDGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/GUI/*.dgnlib
# Location of GUI Customization seeds

169 MS_COLORBOOK_LIBRARIES <
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Color
Books/*.dgnlib # Location of for Color
Books

170 MS_CELL <
$(CIVIL_ORGANIZATION_STANDARDS)cell/
# Location of Cell Libraries

171 MS_CELLLIST <
$(CIVIL_ORGANIZATION_STANDARDS)cell/*.cel
# Cell Libraries to be searched

172 MS_MATERIAL <
$(CIVIL_ORGANIZATION_STANDARDS)materials/
# Location of material pallets

173 MS_PATTERN <
$(CIVIL_ORGANIZATION_STANDARDS)materials/pattern/
# Location of pattern maps

174 MS_BUMP <
$(CIVIL_ORGANIZATION_STANDARDS)materials/bump/
# Location of bump maps

175 MS_CUSTOMSCALEDEF =
$(CIVIL_ORGANIZATION_STANDARDS)Scales/scales.def
# Scale Definitions used for Annotation Scales

```

INCLUDE UPRR LINSTYLE RESOURCE FILE

```

213 MS_CUSTOMUNITDEF                      =
      $(CIVIL_ORGANIZATION_STANDARDS)Scales/units.def
      # Units Definitions used for Custom Units
214 MS_CUSTOMSHEETSIZEDEF                  =
      $(CIVIL_ORGANIZATION_STANDARDS)Scales/sheetsizes.d
      ef                                # Sheet Size Definitions used
      for Sheet Sizes

```

```

215 MS_PENTABLE                            =
      $(CIVIL_ORGANIZATION_STANDARDS)Pen Tables/
      # Default location for pen tables.

```

CUSTOMIZED FOR
UPRR PRINT SETTINGS

```

216 MS_BACKUP                             =
      $( _DGNDIR )
      # Directory for backup files
217 MS_REPORT_OUTPUT                       =
      $( _DGNDIR )
      # Default output directory where MicroStation
218 #
      report (not OpenRoads/OpenRail) results will be
      exported.
219 MS_VIEWAUTORESIZE                       = 1
      # If set to 1, the view windows are resized
      proportionally when the
220 #
      main window is resized or when the dialogs are
      docked or undocked.
221 _USTN_DISPLAYALLCFGVARS                  = 1
      # If set to 1, display all hidden variables.
222 #MS_FULLPATHINTITLEBAR                   = 1
      # If set to 1, show the full file name path in the
      title bar.
223 #MS_CURSORPROMPT                         = 1
      # If set to 1, show the prompt field on the
      cursor.
224 #-----
      -----
225
226 #=====
      =====
227 # Visual Basic Settings
228 #=====
      =====

```

```

176 MS_CUSTOMUNITDEF                      =
      $(CIVIL_ORGANIZATION_STANDARDS)Scales/units.def
      # Units Definitions used for Custom Units
177 MS_CUSTOMSHEETSIZEDEF                  =
      $(CIVIL_ORGANIZATION_STANDARDS)Scales/sheetsizes.d
      ef                                # Sheet Size Definitions used
      for Sheet Sizes

```

```

178 MS_PLTCFG_PATH                          =
      $(CIVIL_ORGANIZATION_STANDARDS)Plot/

```

```

179 MS_DEFAULT_PLTCFG_FILE                  =
      $(MS_PLTCFG_PATH)11x17c_pdf.pltcf

```

```

180 MS_DGNLIBLIST_PRINTING                   >
      $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Print/*.dgnl
      ib

```

```

181 #MS_DGNLIBLIST                          >
      $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Print/*

```

```

182 MS_PENTABLE                            =
      $(MS_PLTCFG_PATH)Pen Tables/
      # EDIT Default location for pen tables.

```

```

183 MS_PLOTDLG_DEF_PENTABLE                  =
      $(MS_PLTCFG_PATH)Pen Tables/UPRR Track
      Pentable.tbl

```

```

184
185 MS_DGNLIBLIST                            >
      $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Tables/*.dgn
      lib                                # EDIT Default location for
      report tables

```

```

186 MS_BACKUP                             =
      $( _DGNDIR )
      # Directory for backup files
187 MS_REPORT_OUTPUT                       =
      $( _DGNDIR )
      # Default output directory where MicroStation
188 #
      report (not OpenRoads/OpenRail) results will be
      exported.
189 MS_VIEWAUTORESIZE                       = 1
      # If set to 1, the view windows are resized
      proportionally when the
190 #
      main window is resized or when the dialogs are
      docked or undocked.
191 _USTN_DISPLAYALLCFGVARS                  = 1
      # If set to 1, display all hidden variables.
192 #MS_FULLPATHINTITLEBAR                   = 1
      # If set to 1, show the full file name path in the
      title bar.
193 #MS_CURSORPROMPT                         = 1
      # If set to 1, show the prompt field on the
      cursor.
194 #-----
      -----
195
196 #=====
      =====
197 # Visual Basic Settings
198 #=====
      =====

```

```

229 MS_VBASEARCHDIRECTORIES          >
    $(CIVIL_ORGANIZATION_STANDARDS)Macros/
    # Location of visual basic applications.
230
231 # Viewset utility which provides convenient view
    control options for civil design.
232 MS_VBAAUTOLOADPROJECTS            >
    $(CIVIL_ORGANIZATION_STANDARDS)Macros/ViewSet
    # Load the Viewset utility.
233 VIEWSET_SETTINGS_FILE              =
    $(CIVIL_ORGANIZATION_STANDARDS)Macros/ViewControlC
    onfigurations.xml # Configuration for the Viewset
    utility.
234
235 # Snappable Toggle utility which uses the Ctrl+F1
    and Ctrl+F2 function keys to turn on or off the
236 # specified levels and enable or disable the
    snappability of the particular elements. This is
    useful
237 # when annotating the drawing models of cross
    sections or profiles where the grid lines may be
    in the way.
238 MS_VBAAUTOLOADPROJECTS            >
    $(CIVIL_ORGANIZATION_STANDARDS)Macros/SnappableTog
    gle                # Load the Snappable Toggle
    utility
239 CIVIL_SNAPPABLETOGGLE_LEVELS_FILE  =
    $(CIVIL_ORGANIZATION_STANDARDS)Macros/SnappableTog
    gle_Levels.txt     # Configuration for the
    Snappable Toggle utility
240
241 # SmartObjects is used by the OpenRoads survey
    tools.
242 MS_VBAAUTOLOADPROJECTS            >
    $(CIVIL_ORGANIZATION_STANDARDS)Macros/SmartObjects
243 #-----
    -----
244
245 #=====
    =====
246 # Reference File Paths and Settings
247 #=====
    =====
248 MS_REF_DEFAULTATTACHDIRECTORY      =
    $( _DGNDIR)
249 MS_REF_DEFAULTSETTINGS              =
    TrueScale=1,AttachMethod=CoincidentWorld,nestMode=
    live,NestDepth=0,SaveRelativePath=1
250 MS_RFDIR                            >
    $( _DGNDIR)
251 MS_RFDIR                            >
    $(CIVIL_ORGANIZATION_STANDARDS)Sheet Borders/
252 MS_REF_MASTERFILELAST_DESIGN        = 1
253 MS_REF_NEWLEVELDISPLAY              = 1
254 MS_REF_VISEEDGE_ATTACH_STATE        = Dynamic
255 #MS_DISALLOWFULLREFPATH             = 1
256 #-----
    -----
257

```

```

199 MS_VBASEARCHDIRECTORIES          >
    $(CIVIL_ORGANIZATION_STANDARDS)Macros/
    # Location of visual basic applications.
200
201 # Viewset utility which provides convenient view
    control options for civil design.
202 MS_VBAAUTOLOADPROJECTS            >
    $(CIVIL_ORGANIZATION_STANDARDS)Macros/ViewSet
    # Load the Viewset utility.
203 VIEWSET_SETTINGS_FILE              =
    $(CIVIL_ORGANIZATION_STANDARDS)Macros/ViewControlC
    onfigurations.xml # Configuration for the Viewset
    utility.
204
205 # Snappable Toggle utility which uses the Ctrl+F1
    and Ctrl+F2 function keys to turn on or off the
206 # specified levels and enable or disable the
    snappability of the particular elements. This is
    useful
207 # when annotating the drawing models of cross
    sections or profiles where the grid lines may be
    in the way.
208 MS_VBAAUTOLOADPROJECTS            >
    $(CIVIL_ORGANIZATION_STANDARDS)Macros/SnappableTog
    gle                # Load the Snappable Toggle
    utility
209 CIVIL_SNAPPABLETOGGLE_LEVELS_FILE  =
    $(CIVIL_ORGANIZATION_STANDARDS)Macros/SnappableTog
    gle_Levels.txt     # Configuration for the
    Snappable Toggle utility
210
211 # SmartObjects is used by the OpenRoads survey
    tools.
212 MS_VBAAUTOLOADPROJECTS            >
    $(CIVIL_ORGANIZATION_STANDARDS)Macros/SmartObjects
213 #-----
    -----
214
215 #=====
    =====
216 # Reference File Paths and Settings
217 #=====
    =====
218 MS_REF_DEFAULTATTACHDIRECTORY      =
    $( _DGNDIR)
219 MS_REF_DEFAULTSETTINGS              =
    TrueScale=1,AttachMethod=CoincidentWorld,nestMode=
    live,NestDepth=0,SaveRelativePath=1
220 MS_RFDIR                            >
    $( _DGNDIR)
221 MS_RFDIR                            >
    $(CIVIL_ORGANIZATION_STANDARDS)Sheet Borders/
222 MS_REF_MASTERFILELAST_DESIGN        = 1
223 MS_REF_NEWLEVELDISPLAY              = 1
224 MS_REF_VISEEDGE_ATTACH_STATE        = Dynamic
225 #MS_DISALLOWFULLREFPATH             = 1
226 #-----
    -----
227

```

```

258 #=====
=====
259 # General OpenSite/OpenRoads/OpenRail Settings
260 #=====
=====
261 CIVIL_CIVILTMDGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Graphical
Filters/*.dgnlib # Location of Graphical
Filters
262 CIVIL_CIVILCELLDGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Civil
Cells/*.dgnlib # Location of Civil Cells
263 CIVIL_DESIGNSTANDARDSDGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Design
Standards/*.dgnlib # Location of Design
Standards
264 MS_ACCUDRAWKEYS =
$( _USTN_HOMEPREFS )
# Location of Civil AccuDraw (not AccuDraw)
settings and favorites
265 CIVIL_SUPERELEVATION_RULES_DIRECTORY =
$(CIVIL_ORGANIZATION_STANDARDS)Superelevation/
# Location of Superelevation rule files
266 CIVIL_SUPERELEVATION_RULE_FILE =
$(CIVIL_SUPERELEVATION_RULES_DIRECTORY)AASHTO_2018
_imperial.xml # Default Superelevation rule
file
267 CIVIL_SIGHTVISIBILITY_SETTINGS_DIRECTORY =
$(CIVIL_ORGANIZATION_STANDARDS)Sight Visibility/
# Location of Site Visibility settings file
268 REGRESSION_SLEW_RELATIVE_TO_POINT = TRUE
# Defines how regression points are displayed
relative to point (TRUE) or reltaive to geometry
(FALSE)
269 CIVIL_REPORTS_SUBDIRECTORIES >
$(CIVIL_ORGANIZATION_STANDARDS)Reports/
# Location of Report XML Files. Custom reports
will be shown
270 #
in addition to the default reports from the
\Program Files\ folder.
271 CIVIL_DEFAULT_STATION_LOCK = TRUE
# Station Lock - If set to TRUE then stations for
various commands
272 #
are adjusted to stay at even values. For example,
template drops
273 #
will adjust to be at even stations in the event of
an equation
274 #
that could cause it to do otherwise. If not set or
set to FALSE,
275 #
then the station values will be maintained at the
specified increments.
276 #CIVIL_CIVILSETTINGS_READONLY = 1
# If set to 1, standards, preferences and features
that come from a DGN Library

```

```

228 #=====
=====
229 # General OpenSite/OpenRoads/OpenRail Settings
230 #=====
=====
231 CIVIL_CIVILTMDGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Graphical
Filters/*.dgnlib # Location of Graphical
Filters
232 CIVIL_CIVILCELLDGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Civil
Cells/*.dgnlib # Location of Civil Cells
233 CIVIL_DESIGNSTANDARDSDGNLIBLIST >
$(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Design
Standards/*.dgnlib # Location of Design
Standards
234 MS_ACCUDRAWKEYS =
$( _USTN_HOMEPREFS )
# Location of Civil AccuDraw (not AccuDraw)
settings and favorites
235 CIVIL_SUPERELEVATION_RULES_DIRECTORY =
$(CIVIL_ORGANIZATION_STANDARDS)Superelevation/
# Location of Superelevation rule files
236 CIVIL_SUPERELEVATION_RULE_FILE =
$(CIVIL_SUPERELEVATION_RULES_DIRECTORY)AASHTO_2018
_imperial.xml # Default Superelevation rule
file
237 CIVIL_SIGHTVISIBILITY_SETTINGS_DIRECTORY =
$(CIVIL_ORGANIZATION_STANDARDS)Sight Visibility/
# Location of Site Visibility settings file
238 REGRESSION_SLEW_RELATIVE_TO_POINT = TRUE
# Defines how regression points are displayed
relative to point (TRUE) or reltaive to geometry
(FALSE)
239 CIVIL_REPORTS_SUBDIRECTORIES >
$(CIVIL_ORGANIZATION_STANDARDS)Reports/
# Location of Report XML Files. Custom reports
will be shown
240 #
in addition to the default reports from the
\Program Files\ folder.
241 CIVIL_DEFAULT_STATION_LOCK = TRUE
# Station Lock - If set to TRUE then stations for
various commands
242 #
are adjusted to stay at even values. For example,
template drops
243 #
will adjust to be at even stations in the event of
an equation
244 #
that could cause it to do otherwise. If not set or
set to FALSE,
245 #
then the station values will be maintained at the
specified increments.
246 #CIVIL_CIVILSETTINGS_READONLY = 1
# If set to 1, standards, preferences and features
that come from a DGN Library

```

```

277 #
    are persisted as Read-only. If variable is not
    Defined, items are persisted
278 #
    as Read-Write. If set to 1, items are persisted as
    Read-only.
279 CIVIL_RIGHTOFWAY_DEED_PHRASE_CATALOG_FILE =
    $(CIVIL_ORGANIZATION_STANDARDS)Deed
    Writer/RightOfWayDeedPhraseCatalog$(CIVIL_FILENAME
    ).xml #Phrase catalog for Deed Writer
280 %if exists $( _USTN_WORKSETSTANDARDS)Cell/)
    # Defines the location and name of cell library
    used by Component Center.
281     CIVIL_COMPONENTCENTER_DOWNLOADEDCELLSLIB =
    $( _USTN_WORKSETSTANDARDS)Cell/Downloaded Component
    Center Cells.cel
282 %else
283     CIVIL_COMPONENTCENTER_DOWNLOADEDCELLSLIB =
    $(MS_DEF)/Downloaded Component Center Cells.cel
284 %endif
285 #-----
    -----
286
287 #=====
    =====
288 # Template Library
289 #=====
    =====
290 %if $( _ENGINEAME) == "OpenSiteDesigner"
291     CIVIL_ROADWAY_TEMPLATE_LIBRARY =
    $(CIVIL_ORGANIZATION_STANDARDS)Template
    Library/OpenSite Templates $(CIVIL_FILENAME).itl
292 %elif $( _ENGINEAME) == "OpenRoadsDesigner"
293     CIVIL_ROADWAY_TEMPLATE_LIBRARY =
    $(CIVIL_ORGANIZATION_STANDARDS)Template
    Library/OpenRoads Templates $(CIVIL_FILENAME).itl
294 %else
295     CIVIL_ROADWAY_TEMPLATE_LIBRARY =
    $(CIVIL_ORGANIZATION_STANDARDS)Template
    Library/OpenRail Templates $(CIVIL_FILENAME).itl
296 %endif
297

```

CUSTOMIZED FOR
UPRR TEMPLATE
LIBRARY



```

298 #=====
    =====
299 # Drainage and Utilities
300 #=====
    =====
301 # SUDA_SEED_FILE defines a dgnlib file that
    contains the default hydraulic settings.
302 # SUDA_SEED_MODEL defines the model to read from
    the dgnlib file. The information in this model
303 # is copied to the active dgn when you first use
    Drainage and Utilities. The information in this
304 # model normally includes hydraulics and hydrology
    settings, as well as feature definitions.

```

```

247 #
    are persisted as Read-only. If variable is not
    Defined, items are persisted
248 #
    as Read-Write. If set to 1, items are persisted as
    Read-only.
249 CIVIL_RIGHTOFWAY_DEED_PHRASE_CATALOG_FILE =
    $(CIVIL_ORGANIZATION_STANDARDS)Deed
    Writer/RightOfWayDeedPhraseCatalog$(CIVIL_FILENAME
    ).xml #Phrase catalog for Deed Writer
250 %if exists $( _USTN_WORKSETSTANDARDS)Cell/)
    # Defines the location and name of cell library
    used by Component Center.
251     CIVIL_COMPONENTCENTER_DOWNLOADEDCELLSLIB =
    $( _USTN_WORKSETSTANDARDS)Cell/Downloaded Component
    Center Cells.cel
252 %else
253     CIVIL_COMPONENTCENTER_DOWNLOADEDCELLSLIB =
    $(MS_DEF)/Downloaded Component Center Cells.cel
254 %endif
255 #-----
    -----
256
257 #=====
    =====
258 # Template Library
259 #=====
    =====
260 %if $( _ENGINEAME) == "OpenSiteDesigner"
261     CIVIL_ROADWAY_TEMPLATE_LIBRARY =
    $(CIVIL_ORGANIZATION_STANDARDS)Template
    Library/OpenSite Templates $(CIVIL_FILENAME).itl
262 %elif $( _ENGINEAME) == "OpenRoadsDesigner"
263     CIVIL_ROADWAY_TEMPLATE_LIBRARY =
    $(CIVIL_ORGANIZATION_STANDARDS)Template
    Library/OpenRoads Templates $(CIVIL_FILENAME).itl
264 %else
265     CIVIL_ROADWAY_TEMPLATE_LIBRARY =
    $(CIVIL_ORGANIZATION_STANDARDS)Template
    Library/OpenRail Templates $(CIVIL_FILENAME).itl
266 %endif
267

```

```

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

```

```

269 #=====
    =====
270 # Drainage and Utilities
271 #=====
    =====
272 # SUDA_SEED_FILE defines a dgnlib file that
    contains the default hydraulic settings.
273 # SUDA_SEED_MODEL defines the model to read from
    the dgnlib file. The information in this model
274 # is copied to the active dgn when you first use
    Drainage and Utilities. The information in this
275 # model normally includes hydraulics and hydrology
    settings, as well as feature definitions.

```

```

305 SUDA_SEED_FILE =
    $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
    Definitions/Drainage and Utilities Features
    Annotations $(CIVIL_FILENAME).dgnlib
306 SUDA_SEED_MODEL = Default
307
308 # SUE_SEED_FILE defines a dgnlib file that
    contains the default subsurface utility settings.
309 # SUE_SEED_MODEL defines the model to read from
    the dgnlib file. The information in this model
310 # is copied to the active dgn when you first use a
    Drainage and Utilities. The information in this
311 # model normally includes subsurface utilities
    settings, as well as feature definitions.
312 SUE_SEED_FILE =
    $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
    Definitions/Drainage and Utilities Features
    Annotations $(CIVIL_FILENAME).dgnlib
313 SUE_SEED_MODEL = Default
314
315 # SUDA_USE_HAESTAD_CONDUIT tells hydraulic
    conduits to forget about the sizes that are stored
316 # in the feature definition, and use the sizes
    that are stored in the Haestad conduit library.
317 SUDA_USE_HAESTAD_CONDUIT = 1
318
319 # CIVIL_SUBSURFACE_FILTERS_DGNLIBLIST defines
    search path(s) for Subsurface Filter dgnlib
320 # files. The filters can be used in the Extract
    Utilities from Graphics option.
321 CIVIL_SUBSURFACE_FILTERS_DGNLIBLIST >
    $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
    Definitions/Drainage and Utilities Features
    Annotations $(CIVIL_FILENAME).dgnlib
322 #-----
    -----
323
324 #=====
    =====
325 # Survey Files and Chains
326 #=====
    =====
327 # CIVIL_SURVEY_FILES_FOLDER overrides the location
    where survey import and export tools
328 # read definition files such as Leica FRT files
    and PrintfPC.exe files.
329 # By default this variable is NOT used and the
    definition files are
330 # read from the \Program Files\ folder.
331
332 # CIVIL_SURVEY_USERTIW_FOLDER overrides the
    location where survey import tools
333 # reads the TIW files. By default this variable is
    NOT used and
334 # the TIW files are read from the \Program Files\
    folder.
335
336 #CIVIL_SURVEY_FILES_FOLDER = Replace
    with Directory Path

```

```

276 SUDA_SEED_FILE =
    $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
    Definitions/Drainage and Utilities Features
    Annotations $(CIVIL_FILENAME).dgnlib
277 SUDA_SEED_MODEL = Default
278
279 # SUE_SEED_FILE defines a dgnlib file that
    contains the default subsurface utility settings.
280 # SUE_SEED_MODEL defines the model to read from
    the dgnlib file. The information in this model
281 # is copied to the active dgn when you first use a
    Drainage and Utilities. The information in this
282 # model normally includes subsurface utilities
    settings, as well as feature definitions.
283 SUE_SEED_FILE =
    $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
    Definitions/Drainage and Utilities Features
    Annotations $(CIVIL_FILENAME).dgnlib
284 SUE_SEED_MODEL = Default
285
286 # SUDA_USE_HAESTAD_CONDUIT tells hydraulic
    conduits to forget about the sizes that are stored
287 # in the feature definition, and use the sizes
    that are stored in the Haestad conduit library.
288 SUDA_USE_HAESTAD_CONDUIT = 1
289
290 # CIVIL_SUBSURFACE_FILTERS_DGNLIBLIST defines
    search path(s) for Subsurface Filter dgnlib
291 # files. The filters can be used in the Extract
    Utilities from Graphics option.
292 CIVIL_SUBSURFACE_FILTERS_DGNLIBLIST >
    $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Feature
    Definitions/Drainage and Utilities Features
    Annotations $(CIVIL_FILENAME).dgnlib
293 #-----
    -----
294
295 #=====
    =====
296 # Survey Files and Chains
297 #=====
    =====
298 # CIVIL_SURVEY_FILES_FOLDER overrides the location
    where survey import and export tools
299 # read definition files such as Leica FRT files
    and PrintfPC.exe files.
300 # By default this variable is NOT used and the
    definition files are
301 # read from the \Program Files\ folder.
302
303 # CIVIL_SURVEY_USERTIW_FOLDER overrides the
    location where survey import tools
304 # reads the TIW files. By default this variable is
    NOT used and
305 # the TIW files are read from the \Program Files\
    folder.
306
307 CIVIL_SURVEY_FILES_FOLDER =
    $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Survey/

```

```

337 #CIVIL_SURVEY_USERTIW_FOLDER = Replace
    with Directory Path
338 #-----
    -----
339
340 #=====
    =====
341 # Profile and Superelevation View Exaggeration
    Values
342 #=====
    =====
343 # *_EXAGGERATION_VALUES defines a list of
    exaggeration values that are available in the View
    Attributes menu.
344
345 # *_SET_DEFAULT_EXAGGERATION defines the default
    exaggeration value from the list
346 # of available values used when a view is opened.
347
348 # *_SKIP_DEFAULT_EXAGGERATION - If set to 1, the
    view is opened with a 1:1
349 # exaggeration and the default exaggeration is
    ignored.
350
351 CIVIL_EXAGGERATION_VALUES =
    1,2,5,10,20,50,100
352 CIVIL_SET_DEFAULT_EXAGGERATION = 10
353 _CIVIL_SKIP_DEFAULT_EXAGGERATION = 0
354
355 CIVIL_SUPER_EXAGGERATION_VALUES =
    100,200,500,1000,2000,5000,10000
356 CIVIL_SET_SUPER_DEFAULT_EXAGGERATION = 5000
357 _CIVIL_SKIP_SUPER_DEFAULT_EXAGGERATION = 0
358
359 # CIVIL_PROFILE_HORIZONTAL_GEOMETRY_INFO defines
    default behavior for displaying the
360 # horizontal geometry information along in the
    profile view and superelevation views.
361 # CIVIL_PROFILE_HORIZONTAL_GEOMETRY_HTTPS defines
    default behavior for displaying stations
362 # at horizontal control points along the bottom of
    profile and superelevation views.
363 # CIVIL_PROFILE_STATION_LOCK_INTERVAL defines the
    default interval for the
364 # stationing displayed along the bottom of profile
    and superelevation views.
365 CIVIL_PROFILE_HORIZONTAL_GEOMETRY_INFO = 1
366 CIVIL_PROFILE_HORIZONTAL_GEOMETRY_HTTPS = 1
367 %if $(Units) == "Metric"
368     CIVIL_PROFILE_STATION_LOCK_INTERVAL = 50
369 %else
370     CIVIL_PROFILE_STATION_LOCK_INTERVAL = 100
371 %endif
372 #-----
    -----
373
374 #=====
    =====

```

```

308 CIVIL_SURVEY_USERTIW_FOLDER =
    $(CIVIL_ORGANIZATION_STANDARDS)Dgnlib/Survey/
309 #-----
    -----
310
311 #=====
    =====
312 # Profile and Superelevation View Exaggeration
    Values
313 #=====
    =====
314 # *_EXAGGERATION_VALUES defines a list of
    exaggeration values that are available in the View
    Attributes menu.
315
316 # *_SET_DEFAULT_EXAGGERATION defines the default
    exaggeration value from the list
317 # of available values used when a view is opened.
318
319 # *_SKIP_DEFAULT_EXAGGERATION - If set to 1, the
    view is opened with a 1:1
320 # exaggeration and the default exaggeration is
    ignored.
321
322 CIVIL_EXAGGERATION_VALUES =
    1,2,5,10,20,50,100
323 CIVIL_SET_DEFAULT_EXAGGERATION = 10
324 _CIVIL_SKIP_DEFAULT_EXAGGERATION = 0
325
326 CIVIL_SUPER_EXAGGERATION_VALUES =
    100,200,500,1000,2000,5000,10000
327 CIVIL_SET_SUPER_DEFAULT_EXAGGERATION = 5000
328 _CIVIL_SKIP_SUPER_DEFAULT_EXAGGERATION = 0
329
330 # CIVIL_PROFILE_HORIZONTAL_GEOMETRY_INFO defines
    default behavior for displaying the
331 # horizontal geometry information along in the
    profile view and superelevation views.
332 # CIVIL_PROFILE_HORIZONTAL_GEOMETRY_HTTPS defines
    default behavior for displaying stations
333 # at horizontal control points along the bottom of
    profile and superelevation views.
334 # CIVIL_PROFILE_STATION_LOCK_INTERVAL defines the
    default interval for the
335 # stationing displayed along the bottom of profile
    and superelevation views.
336 CIVIL_PROFILE_HORIZONTAL_GEOMETRY_INFO = 1
337 CIVIL_PROFILE_HORIZONTAL_GEOMETRY_HTTPS = 1
338 %if $(Units) == "Metric"
339     CIVIL_PROFILE_STATION_LOCK_INTERVAL = 50
340 %else
341     CIVIL_PROFILE_STATION_LOCK_INTERVAL = 100
342 %endif
343 #-----
    -----
344
345 #=====
    =====

```



```

375 # Stroking Tolerance Settings for Survey and
Corridor Modeling
376 #=====
=====
377 # These variables define how often to compute a
point or template drop interval
378 # along a tangent, profile, or curve. The Linear
Stroking tolerance is the maximum
379 # distance along a tangent. Extra points are added
along profiles and curves based
380 # on a chord offset from the profile or curve.
381 # Refer to the Product Help for additional
details.
382 #
383 # The four variables that begin with CIVIL_SURVEY
are optional.
384 # If these variables are set, these values will be
used for Survey Terrain Model only
385 # creation overriding the default Civil variables
set for Survey and Corridor Modeling.
386 # Units are in master units (feet or meters)
387 #
388 %if $(Units) == "Metric"
389     CIVIL_DEFAULT_LINEAR_STROKING          = 2.5
390     CIVIL_DEFAULT_PROFILE_STROKING         = 0.02
391     CIVIL_DEFAULT_CURVE_STROKING           = 0.02
392 # CIVIL_SURVEY_STROKE_TOLERANCE_LINEAR = 30
393 # CIVIL_SURVEY_STROKE_TOLERANCE_CURVE  = 0.02
394 %else
395     CIVIL_DEFAULT_LINEAR_STROKING          = 10.0
396     CIVIL_DEFAULT_PROFILE_STROKING         = 0.07
397     CIVIL_DEFAULT_CURVE_STROKING           = 0.07
398 # CIVIL_SURVEY_STROKE_TOLERANCE_LINEAR = 100.0
399 # CIVIL_SURVEY_STROKE_TOLERANCE_CURVE  = 0.05
400 %endif
401 #-----
-----
402
403 #=====
=====
404 # Default Best Fit Settings
405 #=====
=====
406 # These variables define the best fit parameters
that are used to calculate the
407 # best fit profile when the 'Create 3D
Automatically' option on the
408 # Feature Definition Toggle bar is enabled.
409
410 # These settings are NOT used by the 'Define
Profile by Best Fit' geometry tool. That
411 # tool has its own settings that are defined
interactively through the graphical interface.
412
413 %if $(Units) == "Metric"
414     CIVIL_DEFAULT_BEST_FIT_UPPER_ENVELOPE = 2
415     CIVIL_DEFAULT_BEST_FIT_LOWER_ENVELOPE = -.5
416     CIVIL_DEFAULT_BEST_FIT_CREST_LENGTH   = 300
417     CIVIL_DEFAULT_BEST_FIT_SAG_LENGTH     = 300

```

```

346 # Stroking Tolerance Settings for Survey and
Corridor Modeling
347 #=====
=====
348 # These variables define how often to compute a
point or template drop interval
349 # along a tangent, profile, or curve. The Linear
Stroking tolerance is the maximum
350 # distance along a tangent. Extra points are added
along profiles and curves based
351 # on a chord offset from the profile or curve.
352 # Refer to the Product Help for additional
details.
353 #
354 # The four variables that begin with CIVIL_SURVEY
are optional.
355 # If these variables are set, these values will be
used for Survey Terrain Model only
356 # creation overriding the default Civil variables
set for Survey and Corridor Modeling.
357 # Units are in master units (feet or meters)
358 #
359 %if $(Units) == "Metric"
360     CIVIL_DEFAULT_LINEAR_STROKING          = 2.5
361     CIVIL_DEFAULT_PROFILE_STROKING         = 0.02
362     CIVIL_DEFAULT_CURVE_STROKING           = 0.02
363 # CIVIL_SURVEY_STROKE_TOLERANCE_LINEAR = 30
364 # CIVIL_SURVEY_STROKE_TOLERANCE_CURVE  = 0.02
365 %else
366     CIVIL_DEFAULT_LINEAR_STROKING          = 10.0
367     CIVIL_DEFAULT_PROFILE_STROKING         = 0.07
368     CIVIL_DEFAULT_CURVE_STROKING           = 0.07
369 # CIVIL_SURVEY_STROKE_TOLERANCE_LINEAR = 100.0
370 # CIVIL_SURVEY_STROKE_TOLERANCE_CURVE  = 0.05
371 %endif
372 #-----
-----
373
374 #=====
=====
375 # Default Best Fit Settings
376 #=====
=====
377 # These variables define the best fit parameters
that are used to calculate the
378 # best fit profile when the 'Create 3D
Automatically' option on the
379 # Feature Definition Toggle bar is enabled.
380
381 # These settings are NOT used by the 'Define
Profile by Best Fit' geometry tool. That
382 # tool has its own settings that are defined
interactively through the graphical interface.
383
384 %if $(Units) == "Metric"
385     CIVIL_DEFAULT_BEST_FIT_UPPER_ENVELOPE = 2
386     CIVIL_DEFAULT_BEST_FIT_LOWER_ENVELOPE = -.5
387     CIVIL_DEFAULT_BEST_FIT_CREST_LENGTH   = 300
388     CIVIL_DEFAULT_BEST_FIT_SAG_LENGTH     = 300

```

```

418 CIVIL_DEFAULT_BEST_FIT_MINIMUM_LENGTH = 50
419 %else
420 CIVIL_DEFAULT_BEST_FIT_UPPER_ENVELOPE = 5
421 CIVIL_DEFAULT_BEST_FIT_LOWER_ENVELOPE = -1
422 CIVIL_DEFAULT_BEST_FIT_CREST_LENGTH = 1000
423 CIVIL_DEFAULT_BEST_FIT_SAG_LENGTH = 1000
424 CIVIL_DEFAULT_BEST_FIT_MINIMUM_LENGTH = 150
425 %endif
426 #-----
427 -----
428 #=====
429 # Civil Terrain Settings
430 #=====
431 # These variables define filtering when importing
432 # high density terrain data that
433 # contains many points such as DWG Contour
434 # mapping. The filtering looks at 3 points.
435 # If the distance between points 1 & 3 is less
436 # than the Filter Maxgap value, then
437 # point 2 is evaluated to see if it is offset from
438 # a line connecting points 1 & 3
439 # by less than the Filter Tolerance value. If it
440 # is then it is removed.
441 #
442 # These variables are not enabled by default. They
443 # should only be enable when required,
444 # on a project by project basis that has terrain
445 # data in DWG format.
446 #
447 # CIVIL_DTM_LINESTRING_FILTER_TOLERANCE = 0.05
448 # CIVIL_DTM_LINESTRING_FILTER_MAXGAP = 0.5
449 #-----
450 -----
451 #=====
452 # Cross Section Settings
453 #=====
454 # CIVIL_CROSSSECTION_STACK_TOP_DOWN set to TRUE
455 # causes cross sections to be created
456 # from the top to the bottom of the sheet. When
457 # set to FALSE or not defined cross
458 # sections are created in the default method from
459 # the bottom to the top of the sheet.
460 CIVIL_CROSSSECTION_STACK_TOP_DOWN = FALSE
461
462 # CIVIL_CROSSSECTION_REVERSE_STATION_ENABLE set to
463 # TRUE enables an option on the Create
464 # Drawing dialog to create cross sections in a
465 # reverse station order. If this variable
466 # is not defined or is defined as FALSE the option
467 # does not appear on the dialog.
468 # When the Reverse Station Order option is
469 # selected on the Create Drawing dialog, the

```

```

389 CIVIL_DEFAULT_BEST_FIT_MINIMUM_LENGTH = 50
390 %else
391 CIVIL_DEFAULT_BEST_FIT_UPPER_ENVELOPE = 5
392 CIVIL_DEFAULT_BEST_FIT_LOWER_ENVELOPE = -1
393 CIVIL_DEFAULT_BEST_FIT_CREST_LENGTH = 1000
394 CIVIL_DEFAULT_BEST_FIT_SAG_LENGTH = 1000
395 CIVIL_DEFAULT_BEST_FIT_MINIMUM_LENGTH = 150
396 %endif
397 #-----
398 -----
399 #=====
400 # Civil Terrain Settings
401 #=====
402 # These variables define filtering when importing
403 # high density terrain data that
404 # contains many points such as DWG Contour
405 # mapping. The filtering looks at 3 points.
406 # If the distance between points 1 & 3 is less
407 # than the Filter Maxgap value, then
408 # point 2 is evaluated to see if it is offset from
409 # a line connecting points 1 & 3
410 # by less than the Filter Tolerance value. If it
411 # is then it is removed.
412 #
413 # These variables are not enabled by default. They
414 # should only be enable when required,
415 # on a project by project basis that has terrain
416 # data in DWG format.
417 #
418 # CIVIL_DTM_LINESTRING_FILTER_TOLERANCE = 0.05
419 # CIVIL_DTM_LINESTRING_FILTER_MAXGAP = 0.5
420 #-----
421 -----
422 #=====
423 # Cross Section Settings
424 #=====
425 # CIVIL_CROSSSECTION_STACK_TOP_DOWN set to TRUE
426 # causes cross sections to be created
427 # from the top to the bottom of the sheet. When
428 # set to FALSE or not defined cross
429 # sections are created in the default method from
430 # the bottom to the top of the sheet.
431 CIVIL_CROSSSECTION_STACK_TOP_DOWN = FALSE
432
433 # CIVIL_CROSSSECTION_REVERSE_STATION_ENABLE set to
434 # TRUE enables an option on the Create
435 # Drawing dialog to create cross sections in a
436 # reverse station order. If this variable
437 # is not defined or is defined as FALSE the option
438 # does not appear on the dialog.
439 # When the Reverse Station Order option is
440 # selected on the Create Drawing dialog, the

```

```

456 # highest station cross section will appear first
    and the lowest station will appear last.
457 CIVIL_CROSSSECTION_REVERSE_STATION_ENABLE = FALSE
458
459 # Units are in Sheet master units(feet or meters)
460 # NOTE: ALL 5 variables must be set for them to be
    used.
461 #
462 # CIVIL_CROSSSECTION_RT_TO_LT_SPACING - If
    multiple cross sections can fit in the same
463 # row moving from left to right, this variable
    defines the horizontal spacing between
464 # the adjacent cross section boundaries.
465
466 # CIVIL_CROSSSECTION_TOP_TO_BOT_SPACING - If
    multiple sections can fit in the same
467 # column moving from bottom to top, this variable
    defines the vertical spacing between
468 # the adjacent cross section boundaries.
469
470 # CIVIL_CROSSSECTION_SIDE_MARGIN - Each cross
    section is tested in the horizontal direction
471 # to determine if it will fit on the sheet and
    still allow this variable to be met. This
472 # distance is measured from the right edge of the
    cross section clipping boundary to the
473 # right edge of the sheet model edge. If the
    computed distance is less than this variable,
474 # a new cross section sheet model will be
    generated for the next cross section.
475
476 # CIVIL_CROSSSECTION_TOP_MARGIN - Defines the
    distance measured from the top edge of the
477 # cross section clipping boundary to the top edge
    of the sheet model edge.
478 # If CIVIL_CROSSSECTION_STACK_TOP_DOWN is TRUE,
    this variable defines the starting location
479 # of the first cross section at the top of the
    sheet.
480 # If CIVIL_CROSSSECTION_STACK_TOP_DOWN is FALSE,
    this variable defines the top margin.
481 # If there is not sufficient space for a cross
    section to fit inside the margin, a new
482 # column or sheet of cross sections is started.
483
484 # CIVIL_CROSSSECTION_BOT_MARGIN - Defines the
    distance measured from the bottom edge of the
485 # cross section clipping boundary to the bottom
    edge of the sheet model edge.
486 # If CIVIL_CROSSSECTION_STACK_TOP_DOWN is FALSE,
    this variable defines the starting location
487 # of the first cross section at the bottom of
    the sheet.
488 # If CIVIL_CROSSSECTION_STACK_TOP_DOWN is TRUE,
    this variable defines the bottom margin.
489 # If there is not sufficient space for a cross
    section to fit inside the margin, a new
490 # column or sheet of cross sections is started.
491

```

```

427 # highest station cross section will appear first
    and the lowest station will appear last.
428 CIVIL_CROSSSECTION_REVERSE_STATION_ENABLE = FALSE
429
430 # Units are in Sheet master units(feet or meters)
431 # NOTE: ALL 5 variables must be set for them to be
    used.
432 #
433 # CIVIL_CROSSSECTION_RT_TO_LT_SPACING - If
    multiple cross sections can fit in the same
434 # row moving from left to right, this variable
    defines the horizontal spacing between
435 # the adjacent cross section boundaries.
436
437 # CIVIL_CROSSSECTION_TOP_TO_BOT_SPACING - If
    multiple sections can fit in the same
438 # column moving from bottom to top, this variable
    defines the vertical spacing between
439 # the adjacent cross section boundaries.
440
441 # CIVIL_CROSSSECTION_SIDE_MARGIN - Each cross
    section is tested in the horizontal direction
442 # to determine if it will fit on the sheet and
    still allow this variable to be met. This
443 # distance is measured from the right edge of the
    cross section clipping boundary to the
444 # right edge of the sheet model edge. If the
    computed distance is less than this variable,
445 # a new cross section sheet model will be
    generated for the next cross section.
446
447 # CIVIL_CROSSSECTION_TOP_MARGIN - Defines the
    distance measured from the top edge of the
448 # cross section clipping boundary to the top edge
    of the sheet model edge.
449 # If CIVIL_CROSSSECTION_STACK_TOP_DOWN is TRUE,
    this variable defines the starting location
450 # of the first cross section at the top of the
    sheet.
451 # If CIVIL_CROSSSECTION_STACK_TOP_DOWN is FALSE,
    this variable defines the top margin.
452 # If there is not sufficient space for a cross
    section to fit inside the margin, a new
453 # column or sheet of cross sections is started.
454
455 # CIVIL_CROSSSECTION_BOT_MARGIN - Defines the
    distance measured from the bottom edge of the
456 # cross section clipping boundary to the bottom
    edge of the sheet model edge.
457 # If CIVIL_CROSSSECTION_STACK_TOP_DOWN is FALSE,
    this variable defines the starting location
458 # of the first cross section at the bottom of
    the sheet.
459 # If CIVIL_CROSSSECTION_STACK_TOP_DOWN is TRUE,
    this variable defines the bottom margin.
460 # If there is not sufficient space for a cross
    section to fit inside the margin, a new
461 # column or sheet of cross sections is started.
462

```

```

492 %if $(Units) == "Metric"
493     CIVIL_CROSSSECTION_RT_TO_LT_SPACING    = 0.050
494     CIVIL_CROSSSECTION_TOP_TO_BOT_SPACING = 0.045
495     CIVIL_CROSSSECTION_SIDE_MARGIN         = 0.025
496     CIVIL_CROSSSECTION_TOP_MARGIN          = 0.035
497     CIVIL_CROSSSECTION_BOT_MARGIN          = 0.035
498
499 %else
500     CIVIL_CROSSSECTION_RT_TO_LT_SPACING    = 0.16667
501     CIVIL_CROSSSECTION_TOP_TO_BOT_SPACING = 0.16667
502     CIVIL_CROSSSECTION_SIDE_MARGIN         = 0.08333
503     CIVIL_CROSSSECTION_TOP_MARGIN          = 0.12500
504     CIVIL_CROSSSECTION_BOT_MARGIN          = 0.12500
505 %endif
506 #-----
507
508 #=====
509 # Civil Model Upgrade Options
510 #=====
511 # Two configuration variables control upgrading
512 # options.
513 #
514 # When the CIVIL_UPGRADE_PROMPT_OFF variable is
515 # set equal to 1, it will hide
516 # the upgrade prompt and automatically upgrade
517 # files with no prompting.
518 #
519 # CIVIL_OPEN_OLD_READONLY on its own will do
520 # nothing. It requires the
521 # CIVIL_UPGRADE_PROMPT_OFF configuration variable
522 # also be set. However, when
523 # both variables are set, the upgrade prompt will
524 # be hidden and the file
525 # will be opened as read-only.
526
527 #CIVIL_UPGRADE_PROMPT_OFF          = 1
528 #CIVIL_OPEN_OLD_READONLY           = 1
529 #-----
530
531 #=====
532 # Civil Annotation Sight Distance Computation
533 #=====
534
535 %if $(Units) == "Metric"
536     CIVIL_ANNOTATION_SIGHTDISTANCE_EYEHEIGHT    =
537     1.08
538     CIVIL_ANNOTATION_SIGHTDISTANCE_OBJECTHEIGHT =
539     0.60
540
541 %else
542     CIVIL_ANNOTATION_SIGHTDISTANCE_EYEHEIGHT    =
543     3.50
544     CIVIL_ANNOTATION_SIGHTDISTANCE_OBJECTHEIGHT =
545     2.00

```

CUSTOMIZED FOR
UPRR CROSS SECTION
MARGINS

```

463 %if $(Units) == "Metric"
464     CIVIL_CROSSSECTION_RT_TO_LT_SPACING    = 0.050
465     CIVIL_CROSSSECTION_TOP_TO_BOT_SPACING = 0.045
466     CIVIL_CROSSSECTION_SIDE_MARGIN         = 0.025
467     CIVIL_CROSSSECTION_TOP_MARGIN          = 0.035
468     CIVIL_CROSSSECTION_BOT_MARGIN          = 0.035
469
470 %else
471     CIVIL_CROSSSECTION_RT_TO_LT_SPACING    = 0.1
472     CIVIL_CROSSSECTION_TOP_TO_BOT_SPACING = 0.07
473     CIVIL_CROSSSECTION_SIDE_MARGIN         = 0.25
474     CIVIL_CROSSSECTION_TOP_MARGIN          = 0.14
475     CIVIL_CROSSSECTION_BOT_MARGIN          = 0.14
476 %endif
477 #-----
478
479 #=====
480 # Civil Model Upgrade Options
481 #=====
482 # Two configuration variables control upgrading
483 # options.
484 #
485 # When the CIVIL_UPGRADE_PROMPT_OFF variable is
486 # set equal to 1, it will hide
487 # the upgrade prompt and automatically upgrade
488 # files with no prompting.
489 #
490 # CIVIL_OPEN_OLD_READONLY on its own will do
491 # nothing. It requires the
492 # CIVIL_UPGRADE_PROMPT_OFF configuration variable
493 # also be set. However, when
494 # both variables are set, the upgrade prompt will
495 # be hidden and the file
496 # will be opened as read-only.
497
498 #CIVIL_UPGRADE_PROMPT_OFF          = 1
499 #CIVIL_OPEN_OLD_READONLY           = 1
500 #-----
501
502 #=====
503 # Civil Annotation Sight Distance Computation
504 #=====
505
506 %if $(Units) == "Metric"
507     CIVIL_ANNOTATION_SIGHTDISTANCE_EYEHEIGHT    =
508     1.08
509     CIVIL_ANNOTATION_SIGHTDISTANCE_OBJECTHEIGHT =
510     0.60
511
512 %else
513     CIVIL_ANNOTATION_SIGHTDISTANCE_EYEHEIGHT    =
514     3.50
515     CIVIL_ANNOTATION_SIGHTDISTANCE_OBJECTHEIGHT =
516     2.00

```

```

535 %endif
536 #-----
537 -----
538 #=====
539 # Rail Dimensions
540 #=====
541 %if $(Units) == "Metric"
542     CIVIL_RAIL_CENTER_CENTER_DISTANCE      = 1.500
543     CIVIL_RAIL_INSIDE_INSIDE_DISTANCE      = 1.435
544
545 %else
546     CIVIL_RAIL_CENTER_CENTER_DISTANCE      = 4.921
547     CIVIL_RAIL_INSIDE_INSIDE_DISTANCE      = 4.708
548 %endif
549 #-----
550 -----
551 #=====
552 # Default values when importing Cant
553 #=====
554 %if $(Units) == "Metric"
555     _Cant_AppliedConstant                   = 7.1
556     _Cant_EquilibriumConstant               = 11.82
557     _Cant_RotateAbout                      = Inside
558     _Cant_RailGauge                        = 1.502
559     _Cant_VirtualLength                    = 12.2
560     _Cant_OnLinear                         = 50
561 %else
562     _Cant_AppliedConstant                   = 2.80
563     _Cant_EquilibriumConstant               = 4.01
564     _Cant_RotateAbout                      = Inside
565     _Cant_RailGauge                        = 4.92
566     _Cant_VirtualLength                    = 40
567     _Cant_OnLinear                         = 50
568 %endif
569 #-----
570 -----
571 #=====
572 # Civil Annotation Computed Prefix Override Names
573 #=====
574 #CIVIL_USE_CUSTOM_POINT_LABELS = 1
575 #CIVIL_LABEL_SCS                 = SCS
576 #CIVIL_LABEL_SRS                 = SRS
577 #CIVIL_LABEL_ST                  = ST
578 #CIVIL_LABEL_SC                  = SC
579 #CIVIL_LABEL_TS                  = TS
580 #CIVIL_LABEL_CS                  = CS
581 #CIVIL_LABEL_PRC                 = PRC
582 #CIVIL_LABEL_PCC                 = PCC

```

```

506 %endif
507 #-----
508 -----
509 #=====
510 # Rail Dimensions
511 #=====
512 %if $(Units) == "Metric"
513     CIVIL_RAIL_CENTER_CENTER_DISTANCE      = 1.500
514     CIVIL_RAIL_INSIDE_INSIDE_DISTANCE      = 1.435
515
516 %else
517     CIVIL_RAIL_CENTER_CENTER_DISTANCE      = 4.921
518     CIVIL_RAIL_INSIDE_INSIDE_DISTANCE      = 4.708
519 %endif
520 #-----
521 -----
522 #=====
523 # Default values when importing Cant
524 #=====
525 %if $(Units) == "Metric"
526     _Cant_AppliedConstant                   = 7.1
527     _Cant_EquilibriumConstant               = 11.82
528     _Cant_RotateAbout                      = Inside
529     _Cant_RailGauge                        = 1.502
530     _Cant_VirtualLength                    = 12.2
531     _Cant_OnLinear                         = 50
532 %else
533     _Cant_AppliedConstant                   = 2.80
534     _Cant_EquilibriumConstant               = 4.01
535     _Cant_RotateAbout                      = Inside
536     _Cant_RailGauge                        = 4.92
537     _Cant_VirtualLength                    = 40
538     _Cant_OnLinear                         = 50
539 %endif
540 #-----
541 -----
542 #=====
543 # Civil Annotation Computed Prefix Override Names
544 #=====
545 CIVIL_USE_CUSTOM_POINT_LABELS = 1
546 #CIVIL_LABEL_SCS                 = SCS
547 #CIVIL_LABEL_SRS                 = SRS
548 CIVIL_LABEL_ST                   = PT
549 CIVIL_LABEL_SC                   = PSC
550 CIVIL_LABEL_TS                   = PS
551 CIVIL_LABEL_CS                   = PCS
552 #CIVIL_LABEL_PRC                 = PRC
553 CIVIL_LABEL_PCC                  = PCC

```

CUSTOMIZED FOR
UPRR STANDARD
CARDINAL POINT
NAMES

```

583 #CIVIL_LABEL_PC           = PC
584 #CIVIL_LABEL_PT           = PT

585 #CIVIL_LABEL_CC           = CC

586 #CIVIL_LABEL_POT          = POT
587 #CIVIL_LABEL_START        = START
588 #CIVIL_LABEL_END          = END

589 #CIVIL_LABEL_POLY         = POLY

590 #CIVIL_LABEL_VHP          = VHP
591 #CIVIL_LABEL_VLP          = VLP

592 #CIVIL_LABEL_PVCC         = PVCC

593 #CIVIL_LABEL_VPC          = VPC
594 #CIVIL_LABEL_VPT          = VPT
595 #CIVIL_LABEL_VPI          = VPI
596 #CIVIL_LABEL_VPI_ARC      = VPI_ARC
597 #CIVIL_LABEL_VPI_PARABOLA = VPI_PARABOLA

598 #CIVIL_LABEL_HPI          = HPI
599 #CIVIL_LABEL_HPI_ARC      = HPI_ARC
600 #CIVIL_LABEL_HPI_SPIRAL   = HPI_SPIRAL
601 #CIVIL_LABEL_EQN          = EQN
602 #CIVIL_LABEL_EQNAH        = EQNAH
603 #CIVIL_LABEL_EQNBK        = EQNBK
604 #-----
-----

605
606 #=====
=====

607 # Overhead line Settings
608 #=====
=====

609 # This variable defines the standards file used by
the Overhead Line tools.
610
611 OVERHEADLINE_DESIGNSTANDARDS_FILE =
$(CIVIL_ORGANIZATION_STANDARDS)Overheadline/$(UNIT
S)OHLStandards.odr
612
613 OVERHEADLINE_SICAT_SETTINGSDIR_DIR =
$(CIVIL_ORGANIZATION_STANDARDS)Overheadline/
614 OVERHEADLINE_SICAT_WORKSPACEDIR_DIR =
$(CIVIL_ORGANIZATION_STANDARDS)Overheadline/
615 OVERHEADLINE_SICAT_WORKSETDIR_DIR =
$(CIVIL_ORGANIZATION_STANDARDS)Overheadline/
616 #-----
-----

617

```

```

554 CIVIL_LABEL_PC           = PC
555 CIVIL_LABEL_PT           = PT

556 #CIVIL_LABEL_CC           = CC

557 CIVIL_LABEL_POT          = POT
558 CIVIL_LABEL_START        = POB
559 CIVIL_LABEL_END          = EOT

560 #CIVIL_LABEL_POLY         = POLY

561 CIVIL_LABEL_VHP          = VHP
562 CIVIL_LABEL_VLP          = VLP

563 #CIVIL_LABEL_PVCC         = PVCC

564 CIVIL_LABEL_VPC          = PVC
565 CIVIL_LABEL_VPT          = PVT
566 CIVIL_LABEL_VPI          = PVI
567 CIVIL_LABEL_VPI_ARC      = PVI_ARC
568 CIVIL_LABEL_VPI_PARABOLA = PVI

569 #CIVIL_LABEL_HPI          = HPI
570 #CIVIL_LABEL_HPI_ARC      = HPI_ARC
571 #CIVIL_LABEL_HPI_SPIRAL   = HPI_SPIRAL
572 #CIVIL_LABEL_EQN          = EQN
573 #CIVIL_LABEL_EQNAH        = EQNAH
574 #CIVIL_LABEL_EQNBK        = EQNBK
575 #-----
-----

576
577 #=====
=====

578 # Overhead line Settings
579 #=====
=====

580 # This variable defines the standards file used by
the Overhead Line tools.
581
582 OVERHEADLINE_DESIGNSTANDARDS_FILE =
$(CIVIL_ORGANIZATION_STANDARDS)Overheadline/$(UNIT
S)OHLStandards.odr
583
584 OVERHEADLINE_SICAT_SETTINGSDIR_DIR =
$(CIVIL_ORGANIZATION_STANDARDS)Overheadline/
585 OVERHEADLINE_SICAT_WORKSPACEDIR_DIR =
$(CIVIL_ORGANIZATION_STANDARDS)Overheadline/
586 OVERHEADLINE_SICAT_WORKSETDIR_DIR =
$(CIVIL_ORGANIZATION_STANDARDS)Overheadline/
587 #-----
-----

588

```