

CAE EXPANDED LEVEL, FILE NAMING STANDARDS

KEY

Bold indicates mandatory file naming sections.
Italics indicate user defined file naming sections using the conventions described below.
 Each file naming section is separated by an underscore (_).
 Typical base plan filename format: **FT_XXYY_Desc.dgn**
 Typical sheet filename format: **ID1234_FT_XXYY_001.dgn**
 Typical addendum sheet filename format: **D1234_FT_XXYY_001_AD#.dgn**

<i>ID1234</i>	Project number (typically a charge number.)
FT	Two letter FILE TYPE code. See FILE TYPE Codes following File Listing
XX	Two letter PLAN TYPE code. See PLAN TYPE Codes following File Listing
YY	Two letter <i>secondary</i> PLAN TYPE code. This code is used when combining multiple plan types on one file type. See PLAN TYPE Codes following File Listing
<i>001</i>	Optional three digit Plan Reference number
<i>AD#</i>	Addendum number
<i>Description</i>	Brief, 10 characters or less descriptive word indicating the main content of file.

EXAMPLE FILE LISTING

FILE NAME	TYPE	CONTENTS
<i>ID1234_CADProjectDoc.xlsx</i>	XLS	CAD Project documentation file
<i>ID1234_BP_XX[Description].dgn</i>	DGN	PS&E Base plan of features where XX = Plan Type
<i>ID1234_BP_EX.dgn</i>	DGN	Base plan - Existing
<i>ID1234_BP_PA.dgn</i>	DGN	Base plan - Plans for Approval
<i>ID1234_BP_RW.dgn</i>	DGN	Base plan - R/W
<i>ID1234_CF_XX.dgn</i>	DGN	Container file where XX = Plan Type
<i>ID1234_DE_XX_001.dgn</i>	DGN	PS&E Detail Sheet where XX = Plan Type
<i>ID1234_DE_DRPV_003.dgn</i>	DGN	PS&E Detail Sheet – Drainage and Paving Details
<i>ID1234_PR_XX.dgn</i>	DGN	PS&E Profile Sheet where XX = Plan Type
<i>ID1234_PS_XX.dgn</i>	DGN	PS&E Plan Sheet where XX = Plan Type
<i>ID1234_PS_XXYY.dgn</i>	DGN	PS&E Plan Sheet where XXYY = combination Plan Type
<i>ID1234_PS_RW.dgn</i>	DGN	R/W Plan Sheet
<i>ID1234_NT_DR.dgn</i>	DGN	PS&E Drainage Structure Notes
<i>ID1234_MC_desc.dgn</i>	DGN	Miscellaneous CADD file with description
<i>ID1234_PS_INVN.dgn</i>	DGN	PS&E Index Sheet and Vicinity Map
<i>ID1234_PS_PV_005_AD2.dgn</i>	DGN	PS&E Plan Sheet, Paving sheet 5, Addendum 2
<i>ID1234_QT_XX.xlsx</i>	XLS	Quantity Tabs Sheets either in Excel spreadsheet
<i>ID1234_DGN-Model_Index.xlsx</i>	XLS	Index file of all DGN files including models used

For training and support, contact your regional CAE coordinator, or the HQ CAE Helpdesk (360) 709-8013, pbx 8013.



CAE Standards Quick Reference Guide

For complete standards, see the Electronic Engineering Data Standards Manual (EEDS), available on the CAE website at <http://www.wsdot.wa.gov/design/cae>

CAE Expanded Level, File Naming Standards

FILE TYPE CODES

BP	2D Base Plan	PR	Profile View Sheets
CF	Container	PS	Plan View Sheet
DE	Detail Sheet	QT	Quantity Tabs
IN	Index Sheet	SQ	Summary of Quantities
MC	Miscellaneous	SS	Sign Specification
NT	Structure Note	XS	Section View Sheets
PA	Plan for Approval		

PLAN TYPE CODES

AL	Alignment	LS	Landscape
AP	Approval Plan	MK	Pavement Markings
BG	Bridges	PV	Paving Plans
BU	Building Plans and Details	RC	Reclamation, Borrow, Pit, & Quarry
CN	Contours	RD	Roadway
CT	Control for Survey	RM	Record of Monumentation
DR	Drainage	RS	Roadway Sections
DU	Detour Routes and Signing	RV	Record of Survey
EC	TESC	RW	Right of Way
EL	Electrical	SU	Staged Construction
EM	Environmental Compliance	SG	Signals
EU	Existing Utilities	SN	Signing
EX	Existing	SP	Site Preparation
GS	Grading Sections	ST	Structures/Minor Structures
IC	Interchange Contour	TC	Traffic Control Plans
IL	Illumination	TS	Intelligent Traffic Systems
IN	Index	UT	Utilities
IR	Irrigation	VM	Vicinity Map

CAE EXPANDED LEVEL, LEVEL NAMING CODES

CODES IN ALPHABETICAL ORDER

These are the two digit codes that are used for the names of levels, cells, line styles, feature styles, and styles. **Parent code in bold**

AL	Alignment	NT	Natural
BD	RW Boundaries	PA	Parcels
BG	Bridges	PH	Photogrammetry
BL	Break Lines & Ground Shots	PH	Photo Control
BM	Berms	PI	Permit Items
BR	Barriers	PM	Photo, Monuments and Control
CG	Curb, Gutter, Sidewalk	PP	Pipes
CM	Communication	PR	Plan Sheets Right of Way
CN	Contours	PS	Plan Sheet PSE
DE	Detail Sheets	PT	Points
DP	Drainage Profiles	PW	Power
DR	Drainage	RI	Raster Images
DS	Design	RD	Roadway
DT	Details Cell	RP	Roadway Profiles
EC	Erosion Control	RS	Roadway Sections
ED	Edges	RW	Right of Way
EI	Environmental Items	SC	Section Information
EP	Environmental Permits	SA	Structures Alignments
ES	Easements & Permits	SF	Surfaces
EV	Environmental	SG	Signals
GA	Generic Alignment	SH	Sheet
GB	Government Boundaries	SN	Signing
GE	General	SP	Specialty
GI	General Sheet Items	SS	Sanitary Sewer
GS	Gas	ST	Structures
GU	General Utility Items	ST	Structures
HR	HEC_RAS	TI	Traffic Items
HW	Highway	TP	Topography
IL	Illumination	TR	Traffic
IR	Irrigation	TS	Traffic Systems
LN	Lines	UT	Utilities
LS	Landscape	VM	Vicinity Maps
MC	Miscellaneous	WA	Walls
MK	Markings	WL	Wetlands
MM	Manmade	WT	Water
MN	Monuments and Control	WZ	Work Zone
MT	Multiple Types	XS	Cross Sections

CAE EXPANDED LEVEL, LEVEL NAMING CODES

COMBINING CODES FOR LEVELS, CELLS, LINE STYLES, FEATURE STYLES, AND STYLES

Parent Group: DR for drainage, RW for Right of Way, etc
 Child Group: PP for pipes and Ditches, ST for structures, etc.
 Element name: Catch Basin, etc.
 Example: Parent_Child_Element DR_ST_CatchBasin

Alignment	AL		Miscellaneous	MC	RD_MC
Generic Alignment	GA	AL_GA	Sheet	SH	
Highway	HW	AL_HW	Detail Sheets	DE	SH_DE
Right of Way	RW	AL_RW	Drainage Profiles	DP	SH_DP
Structure Alignments	SA	AL_SA	Details Cell	DT	SH_DT
Break Lines & Ground Shots	BL		Environmental Items	EI	SH_EI
Lines	LN	BL_LN	General Sheet Items	GI	SH_GI
Points	PT	BL_PT	Permit Items	PI	SH_PI
Cross Section	XS		Plan Sheets Right of Way	PR	SH_PR
Surfaces	SF	XS_SF	Plan Sheets PSE	PS	SH_PS
Drainage	DR		Roadway Profiles	RP	SH_RP
Pipes and Ditches	PP	DR_PP	Roadway Section	RS	SH_RS
Structures	ST	DR_ST	Traffic items	TI	SH_TI
Environmental	EV		Vicinity Maps	VM	SH_VM
Erosion Control	EC	EV_EC	Structures	ST	
Environmental Permits	EP	EV_EP	Bridges	BG	ST_BG
HEC_RAS	HR	EV_HR	Walls	WA	ST_WA
Irrigation	IR	EV_IR	Topography	TP	
Landscape	LS	EV_LS	Contours	CN	TP_CN
Wetlands	WL	EV_WL	Manmade	MM	TP_MM
Photogrammetry	PH		Natural	NT	TP_NT
Raster Images	RI	PH_RI	Traffic	TR	
Specialty	SP	PH_SPI	Illumination	IL	TR_IL
Photo, Monuments and Control	PM		Signals	SG	TR_SG
Monuments and Control	MN	PM_MN	Signing	SN	TR_SN
Photo Control	PH	PM_PH	Traffic Systems	TS	TR_TS
Right of Way	RW		Work Zone	WZ	TR_WZ
RW Boundaries	BD	RW_BD	Utilities	UT	
Easements & Permits	ES	RW_ES	Communication	CM	UT_CM
Government Boundaries	GB	RW_GB	Gas	GS	UT_GS
Parcels	PA	RW_PA	General Utility Items	GU	UT_GU
Section Information	SC	RW_SC	Multiple Types	MT	UT_MT
Roadway	RD		Power	PW	UT_PW
Berms	BM	RD_BM	Sanitary Sewer	SS	UT_SS
Barriers	BR	RD_BR	Water	WT	UT_WT
Curb, Gutter, Sidewalk	CG	RD_CG	Markings	MK	RD_MK
Edges	ED	RD_ED			