

ConnDOT – Standard Design File Naming Conventions - Highway Design, Surveys, Bridge Design, Traffic Design and Facilities Design

File naming is a vital part of the ConnDOT Design Workspace. The file naming convention is set up to allow anyone to identify the contents of a CAD file without actually opening the file. ALL MICROSTATION FILES WILL HAVE A ".dgn" EXTENSION AND ALL FILES NAMES MUST HAVE A TWO CHARACTER DISCIPLINE DESIGNATION FOLLOWED BY AN UNDERBAR. Other offices not included on these instructions will have to provide engineering applications with a file naming convention similar to the formats provided below.

HIGHWAY DESIGN - CAD FILE NAMING CONVENTIONS

The naming convention consists of five fields, each part must be filled in and placed in the correct sequence. The following list contains the four pieces of information that are included in each CAD file name:

- Discipline Designator
- CAD File Type Codes (See Table 2) - with two digit Drawing Number
- User Definable Information (Typically the project number)
- Revision or Addendum Number

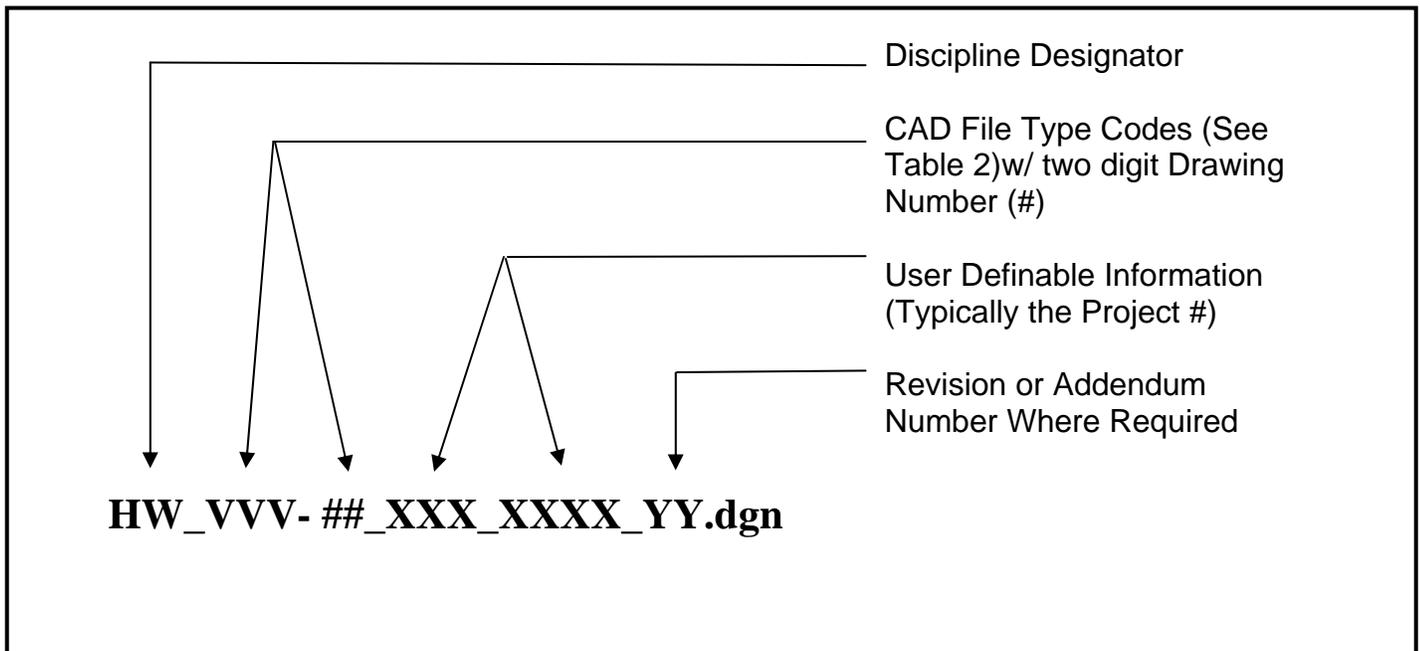


Table 1

CAD File Types – Highway and Highway Geometrics		
Category	Code	Definition
General		
	TSH	Title Sheet
	EST	Detail Estimate Sheet
Survey/Mapping		
	INX	Index Plan
	TIE	Survey Data
Miscellaneous Details		
	TYP	Typical Cross Sections
	MDS	Miscellaneous Details
	GDR	Guide Rail Sheet
	IGP	Intersection Grading Plan
	BRL	Boring Logs
	STG	Stage Construction Plan
	WTR	Water Main Information
	SAN	Sanitary Sewer Main Information
	LDS	Landscape/Planting/Grading Plan
	AEC	Hazmat Details
	SED	Sedimentation Control
	WMT	Wetland Mitigation
Roadway		
	HWY	Alignment Design/Layout
	PLN	Plan Cut Sheet
	PRO	Profile Cut Sheet
	XSC	Cross Section Cut Sheet
	DRG	Breakout Drainage Sheet
	ROW	Breakout Right of Way Sheet
Miscellaneous CAD Files		
	MOD	InRoads Modeling File
	CAD	Miscellaneous Drawing File
	AER	Aerial Photo
	LOC	Location Plan
	PER	Wetland Permit Plates

Table 2

Examples of complete filenames for Highway Projects:

<u>Filename</u>	<u>Comments</u>
HW_HWY-01_107_0288.dgn	filename for an Alignment Design
HW_SED-01_107_0288.dgn	filename for Sed. Control Plan
HW_PLN-01_107_0288.dgn	filename for a Plan Cut Sheet
HW_PLN-02_107_0288_1.dgn	filename for a Plan Cut Sheet under Revision 1

SURVEYS - CAD FILE NAMING CONVENTIONS

The naming convention consists of five fields, each part must be filled in and placed in the correct sequence. The following list contains the five pieces of information that are included in each CAD file name:

- Design Office Designator
- Unit (CS=Central Surveys, D1 = District 1, D2 = District 2, CM = Consultant Mapping)
- Town Number
- Project Number
- Sheet Description (PM = Property Maps, PLA = Planimetric, GRN = Ground File or any random serial number or sheet number with an unlimited amount of characters.

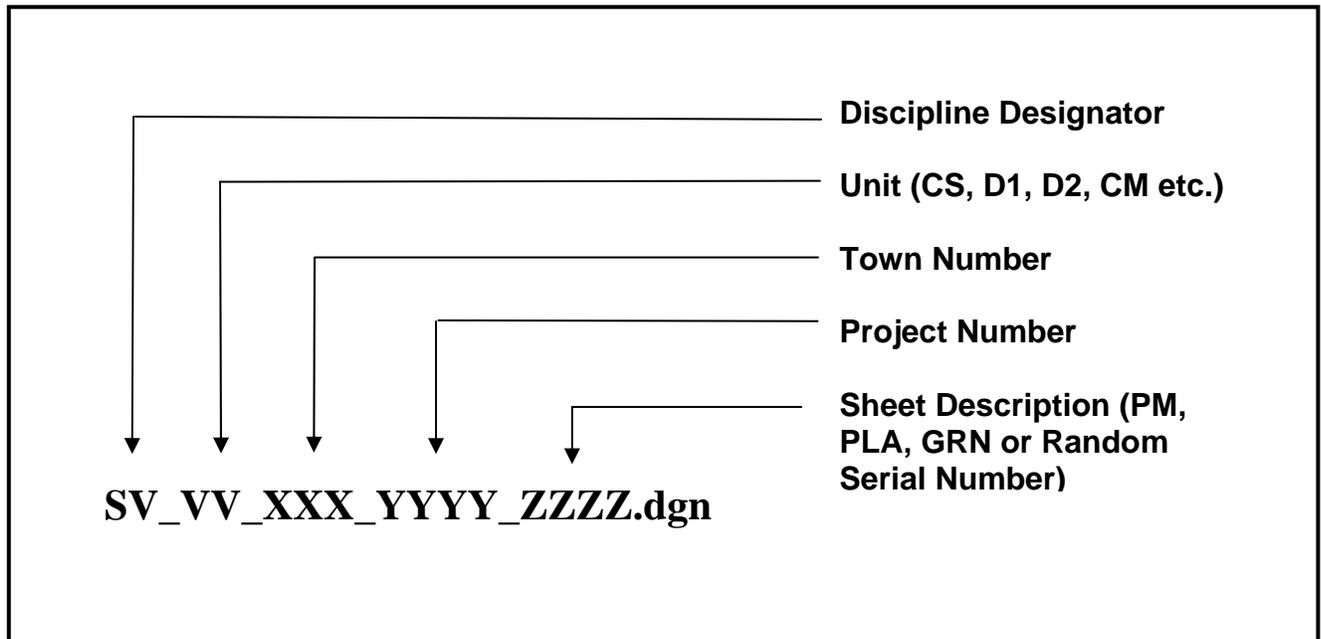


Table 3

Examples of complete filenames for Survey Projects:

<u>Filename</u>	<u>Comments</u>
SV_CS_117_0153_890PM1A.dgn	filename of property map
SV_D1_117_0153_GRN.dgn	filename for a ground file
SV_CS_117_0153_890PLA.dgn	filename for planimetric map
SV_CM_117_0153_GRN.dgn	filename for consultant property map

BRIDGE DESIGN - CAD FILE NAMING CONVENTIONS

The naming convention consists of four fields, each part must be filled in and placed in the correct sequence (See Table 4). The following list contains the four pieces of information that are included in each CAD file name:

- Discipline Designator
- Site designator, optional, uses only with multiple site locations, maximum 8 alpha-numeric characters, upper and lower case. (i.e. Br01920, Site01, RW101)
- Sheet description, mandatory, maximum 8 alpha-numeric characters, upper and lower case. (Gen. Plan, Borings1, Abut1, WW1A, Bearings, FrmPln, StlDet, RailDe)
- Revision indicator - Mandatory for files revised due to addendum or construction order. For an addendum use 1 number that corresponds to the addendum number. For a construction order, use a corresponding uppercase letter A.

Note: In the design file, under File-Properties-Summary Tab, under "Title", insert construction project number ###_#### (i.e. 023_0116 or 153_0109).

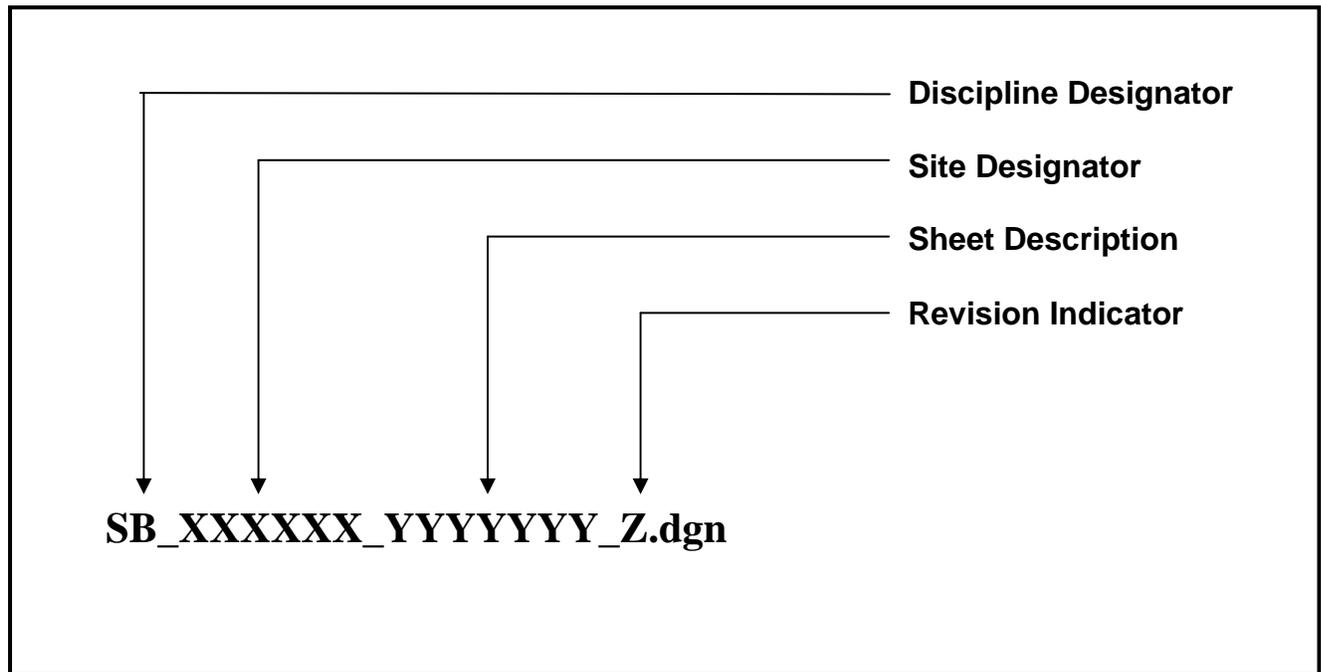


Table 4

Examples of complete filenames for Bridge Projects:

<u>Filename</u>	<u>Comments</u>
SB_GenPlan.dgn	filename of original signed drawing
SB_Br00345_FrmPln.dgn	filename of original signed drawing
SB_Br00345_FrmPln_1.dgn	filename of previous drawing (SB_Br00345_FrmPln.dgn) revised due to addendum 1
SB_Br00345_FrmPln_A.dgn	filename of previous drawing (SB_Br00345_FrmPln_1.dgn) revised due to construction order A

TRAFFIC DESIGN - CAD FILE NAMING CONVENTIONS

The naming convention for project related CAD files consists of five fields (See Table 5), each part must be filled in and placed in the correct sequence. The following list contains the five pieces of information that are included in each CAD file name:

- Design Office Designator
- File Type (See Table 6) for a complete list of descriptors
- Town Number
- Intersection or Project No
- Revision Number

Please also refer to Table 7 and 8 for specific file naming conventions for Sign Details.

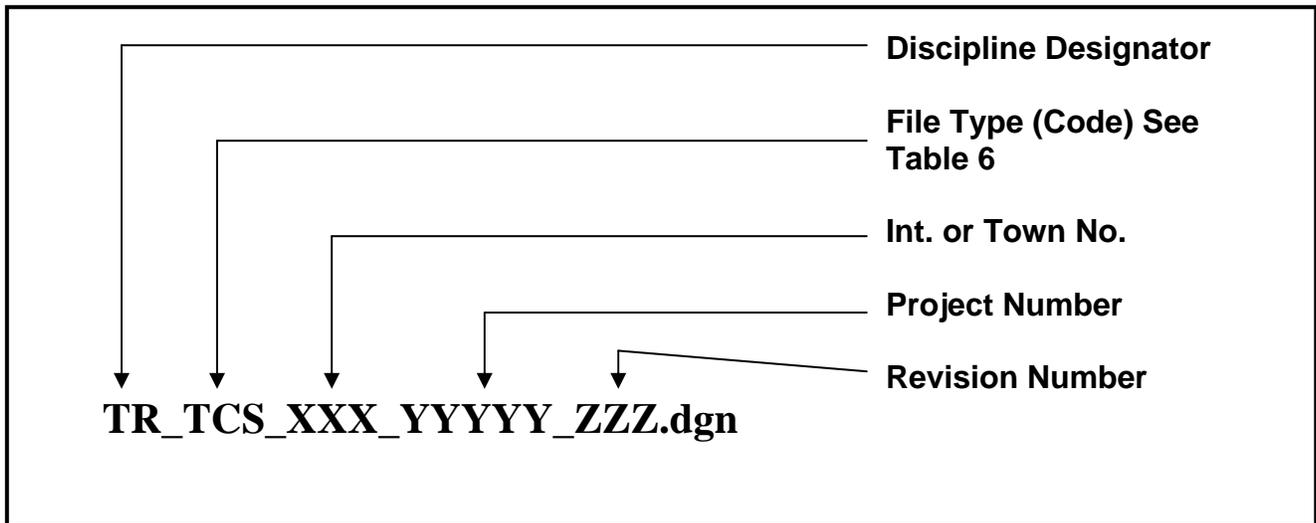


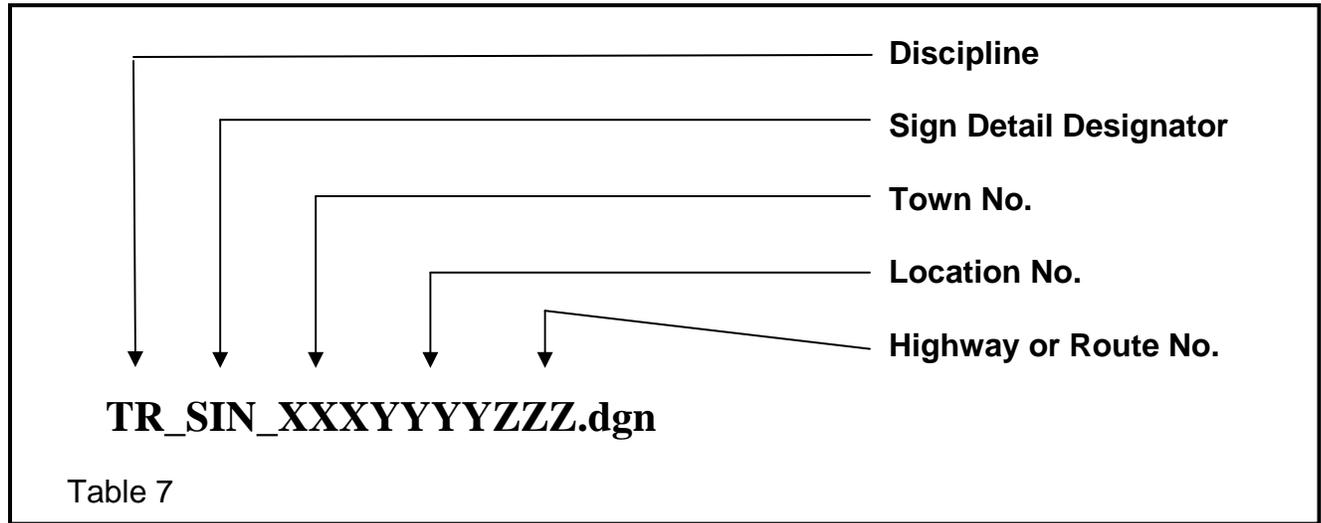
Table 5

CAD File Types – Traffic		
Category	Code	Definition
General		
	TCS	Traffic Control Signal Plan
	TSH	Title Sheet
	EST	Detailed Estimate Sheet
	TYP	Typical Sheet
	STD	Standard Sheet
	DTR	Detour Plan
	XSC	Cross-Section
	COL	Collision Diagram
	PVT	Pavement Marking Plan
	FLA	Flashing Beacon
	INT	Interconnect Plan
	DET	Detail Sheet

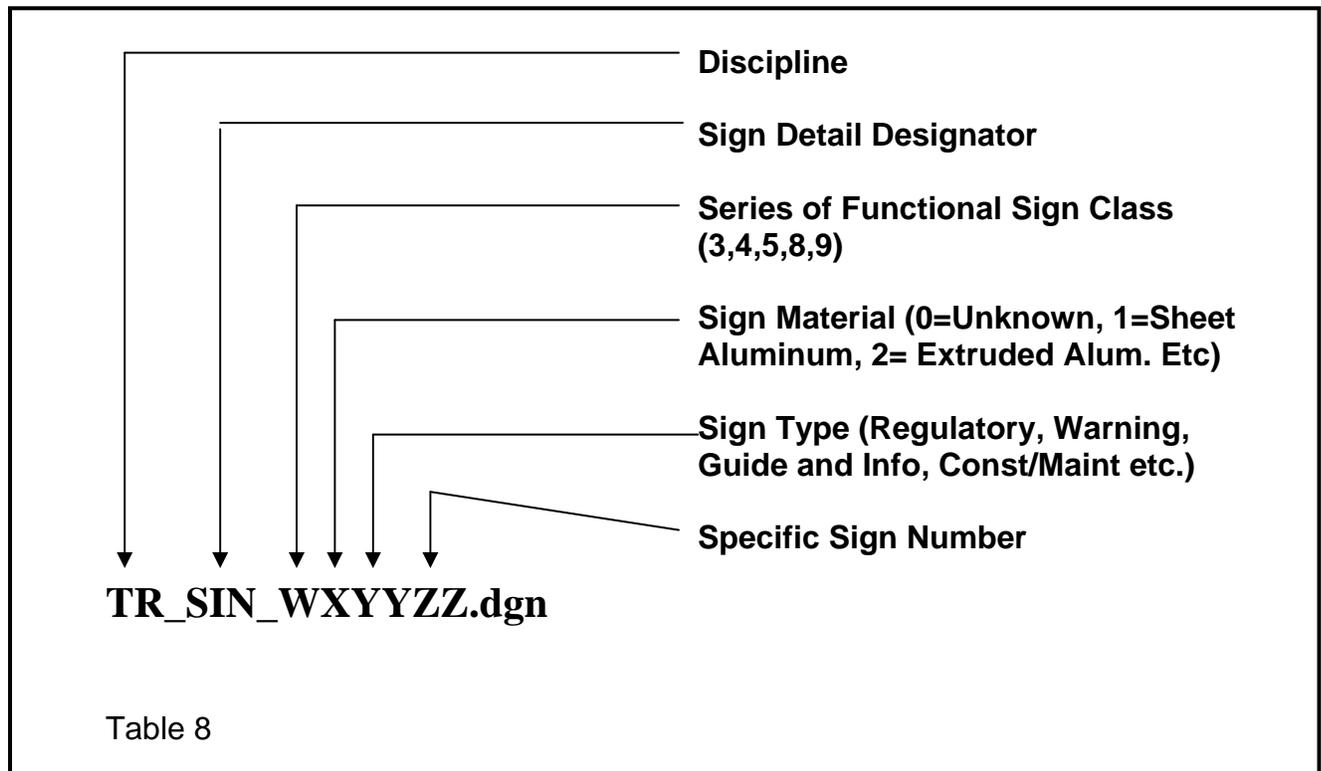
Examples of complete filenames for Traffic Projects:

<u>Filename</u>	<u>Comments</u>
TR_TCS_107_0288_0100.dgn	filename for an Traffic Control Signal Plan
TR_FLA_107_0288_0107.dgn	filename for a Flashing Beacon
TR_DET_107_0288_0108.dgn	filename for a Detail

Traffic Design - File Naming Conventions for Sign Details



Traffic Design - File Naming Conventions for Catolog Sign Details



FACILITIES DESIGN - CAD FILE NAMING CONVENTIONS

The naming convention consists of six fields (See Table 9), each part must be filled in and placed in the correct sequence. The following list contains the six pieces of information that are included in each Facilities Design CAD file name:

- Discipline Designator
- CAD File Type (See Table 10)
- Town Number
- Project Number
- Drawing Number (See Table 11, mandatory upper case letter for the drawing designator and 3 numerals for the drawing number (the following sheets will have 2 drawing designators and 2 numerals: Catenary, Environmental, Fire Protection, and Salt Shed sheets). Insert zero's prior to drawing number if all numerals are not needed. The allowable drawing designators are listed in Table 2.)
- Revision Number (Reserved for addendums and change orders. This 2-character field would not be used until an addendum or change order is required. Numerals are to be used for addendums and capital letters are to be used for change orders.)

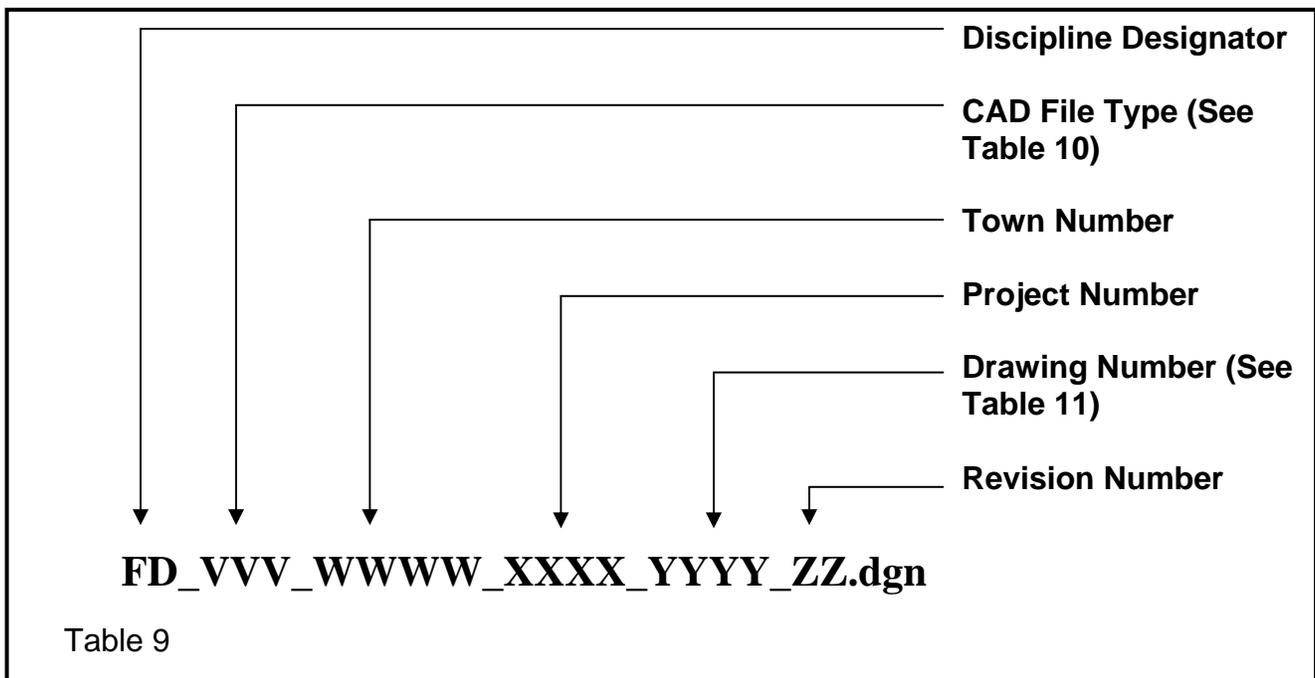


Table 10 - CAD File Types		
Category	File Type	Definition
General	TSH	Title Sheet
Architectural	ARC	Architectural Plans
Catenary		
	CAS	Catenary Assemblies Sheets
	CBG	Catenary Bonding and Grounding Sheets
	CED	Catenary Erection Diagrams
	CGD	Catenary General Detail Sheets
	CSS	Catenary Structure Steel Sheets
	CWS	Catenary Wire Sheets
Civil		
	AEC	Area of Environmental Concern
	APT	Airport Plan Sheet
	BRL	Boring Logs
	CIV	Site Plans / Civil Sheets
	DET	Detail Sheets
	DRG	Drainage Sheet
	ESR	Environmental Site Remediation
	EST	Detailed Estimate Sheet
	EXT	Existing Survey
	GRD	Grading Sheets
	GRN	Ground File
	PRO	Profile Sheet
	RDW	Roadway Sheets
	RTS	Railroad Track Sheets
	SED	Sedimentation Control
	SGN	Signing Plan (Only) Sheets
	SPM	Signing and Pavement Marking Plan (Combined) Sheets
	STG	Stage Construction Plan
	UTL	Utility Plan
	XSC	Cross Section
Demolition	DMO	Demolition Plans
Electrical	ELE	Electrical Plans
Environmental	ENV	Environmental Plans
Fire Protection	FRP	Fire Protection Plans
Industrial	IDS	Industrial Plans
Landscape	LDS	Landscape Plans
Mechanical	MEC	Mechanical Plans
Plumbing	PLM	Plumbing Plans
Salt Sheds	SSS	Salt Sheds Plans
Structural	STR	Structural Plans

Table 10

Table 11 - CAD Drawing Designators	
Category	Drawing Designator
Architectural	A
Catenary	CT
Civil	C
Demolition	D
Electrical	E
Environmental	EN
Fire Protection	FP
Industrial	I
Landscape	L
Mechanical	M
Plumbing	P
Salt Sheds	SS
Structural	S

Table 11

Examples of complete file names for Facilities Projects:

<u>File Name</u>	<u>Comment</u>
FD_ARC_00340299_A001.dgn	Architectural Plan Sheet 1 for project 34-299
FD_ARC_00340299_A001_1.dgn	Architectural Plan Sheet 1 for project 34-299 - Addendum #1
FD_ARC_00340299_A001_A.dgn	Architectural Plan Sheet 1 for project 34-299 - Change Order #1
FD_SSS_00340299_SS01.dgn	Salt Shed Plan Sheet 1 for project 34-299
FD_BOR_00340299_C001.dgn	Civil Plan Sheet 1 (Boring Log) for project 34-299