

Feature Codes – Categories

Design Manual
Chapter 40
Design Survey
Specifications

Originally Issued: 09-30-11
Revised: 01-22-15

All Features in Alphabetical Order

AST	EL1C	FO3C	FO13C	GH6D
BB	EL1D	FO3D	FO13D	GH7B
BBB	EL2B	FO4B	FO14B	GH7C
BCL	EL2C	FO4C	FO14C	GH7D
BD	EL2D	FO4D	FO14D	GH8B
BIN	EL3B	FO5B	FO15B	GH8C
BL	EL3C	FO5C	FO15C	GH8D
BLD	EL3D	FO5D	FO15D	GH9B
BLS	3L4B	FO6B	FP	GH9C
BM	EL4C	FO6C	FW	GH9D
BNK	EL4D	FO6D	FWD	GH10B
BRG	EL5B	FO7B	GDC	GH10C
C	EL5C	FO7C	GDL	GH10D
CAV	EL5D	FO7D	GH1B	GL1B
CEL	ENP	FO8B	GH1C	GL1C
CIS	ENT	FO8C	GH1D	GL1D
CON	ENU	FO8D	GH2B	GL2B
CP	EP	FO9B	GH2C	GL2C
CRP	EW	FO9C	GH2D	GL2D
CS	FCL	FO9D	GH3B	GL3B
CU	FENO	FO10B	GH3C	GL3C
CUL	FHD	FO10C	GH3D	GL3D
D	FLG	FO10D	GH4B	GL4B
DAB	FO1B	FO11B	GH4C	GL4C
DIK	FO1C	FO11C	GH4D	GL4D
DTM	FO1D	FO11D	GH5B	GL5B
DU	FO2B	FO12B	GH5C	GL5C
EB	FO2C	FO12C	GH5D	GL5D
EG	FO2D	FO12D	GH6B	GL6B
EL1B	FO3B	FO13B	GH6C	GL6C

GL6D	POC	SBR	TDL	TV2C
GL7B	POST	SC	TER	TV2D
GL7C	POT	SCR	TEV	TV3B
GL7D	PPA	SEP	TFR	TV3C
GL8B	PPB	SF	TGP	TV3D
GL8C	PPC	SG	TIL	TV4B
GL8D	PPD	SH	TL1B	TV4C
GL9B	PPE	SHR	TL1C	TV4D
GL9C	PR	SI	TL1D	TV5B
GL9D	PRO	SL	TL2B	TV5C
GL10B	PT	SLN	TL2C	TV5D
GL10C	REF	SLO	TL2D	TVP
GL10D	RET	SNK	TL3B	TW
GP	RIP	SNP	TL3C	UB
GPR	ROC	SOP	TL3D	UE
GR	ROW	SP	TL4B	UPH
GRV	RR	ST	TL4C	UST
GU	RRB	ST1B	TL4D	UV
GV	RRF	ST1C	TL5B	VS
HDG	RRR	ST1D	TL5C	WC
HS	RRS	ST2B	TL5D	WEL
HT	RRW	ST2C	TLNL	WHD
IN	RT	ST2D	TLNR	WHU
INB	S	ST3B	TOP	WL1B
LC	SA1B	ST3C	TPA	WL1C
LIN	SA1C	ST3D	TPB	WL1D
LP	SA1D	ST4B	TPC	WL2B
LUM	SA2B	ST4C	TPD	WL2C
MH	SA2C	ST4D	TR	WL2D
MIS	SA2D	ST5B	TRL	WL3B
MM	SA3B	ST5C	TS	WL3C
OUT	SA3C	ST5D	TSB	WL3D
PC	SA3D	STP	TSG	WL4B
PCP	SA4B	SWK	TSL	WL4C
PCT	SA4C	SWP	TV	WL4D
PI	SA4D	TA	TV1B	WL5B
PIP	SA5B	TBO	TV1C	WL5C
PL	SA5C	TCB	TV1D	WL5D
PLG	SA5D	TDC	TV2B	WM

WND

WV

Features Used for DTM

BL	DIK	ENU	SH	TER
BNK	DU	EW	SNK	TRL
C	EG	GR	SNP	
CON	ENP	GU	SP	
CU	EP	RIP	SWK	
D	ENT	RR	SWP	

Features Used for Drainage

CUL	DU	OUT	SOP
D	IN	MH	TIL
DAB	INB	PIP	

Features Used for Natural Waterways

BNK	DU	EW	SP	VS
D	DIK	RIP	TW	

Features Used for Underground Utilities

EL1B	FO1D	FO7C	FO13B	GH3D
EL1C	FO2B	FO7D	FO13C	GH4B
EL1D	FO2C	FO8B	FO13D	GH4C
EL1B	FO2D	FO8C	FO14B	GH4D
EL2C	FO3B	FO8D	FO14C	GH5B
EL2D	FO3C	FO9B	FO14D	GH5C
EL3B	FO3D	FO9C	FO15B	GH5D
EL3C	FO4B	FO9D	FO15C	GH6B
EL3D	FO4C	FO10B	FO15D	GH6C
EL4B	FO4D	FO10C	GH1B	GH6D
EL4C	FO5B	FO10D	GH1C	GH7B
EL4D	FO5C	FO11B	GH1D	GH7C
EL5B	FO5D	FO11C	GH2B	GH7D
EL5C	FO6B	FO11D	GH2C	GH8B
EL5D	FO6C	FO12B	GH2D	GH8C
FO1B	FO6D	FO12C	GH3B	GH8D
FO1C	FO7B	FO12D	GH3C	GH9B

GH9C	GL7C	SA5C	TL3C	TV5D
GH9D	GL7D	SA5D	TL3D	UE
GH10B	GL8B	ST1B	TL4B	UPH
GH10C	GL8C	ST1C	TL4C	UV
GH10D	GL8D	ST1D	TL4D	WEL
GL1B	GL9B	ST2B	TL5B	WL1B
GL1C	GL9C	ST2C	TL5C	WL1C
GL1D	GL9D	ST2D	TL5D	WL1D
GL2B	GL10B	ST3B	TDL	WL2B
GL2C	GL10C	ST3C	TGP	WL2C
GL2D	GL10D	ST3D	TV1B	WL2D
GL3B	SA1B	ST4B	TV1V	WL3B
GL3C	SA1C	ST4C	TV1D	WL3C
GL3D	SA1D	ST4D	TV2B	WL3D
GL4B	SA2B	ST5B	TV2C	WL4B
GL4C	SA2C	ST5C	TV2D	WL4C
GL4D	SA2D	ST5D	TV3B	WL4D
GL5B	SA3B	TL1B	TV3C	WL5B
GL5C	SA3C	TL1C	TV3D	WL5C
GL5D	SA3D	TL1D	TV4B	WL5D
GL6B	SA4B	TL2B	TV4C	
GL6C	SA4C	TL2C	TV4D	
GL6D	SA4D	TL2D	TV5B	
GL7B	SA5B	TL3B	TV5C	

Features Used for Above Ground Utilities

CEL	PPB	TBO	TR	WHD
EB	PPC	TCB	TSB	WHU
FHD	PPD	TPA	TSG	WND
HT	PPE	TPB	TSL	WV
LUM	PR	TPC	TVP	
PPA	TA	TPD	UB	

Features Used for Bridges

BBB	BD	BRGG	TOP
BCL	BLS	SBR	

Features Used for Control Points

BM	FENO	PI	PT	TS
CP	PC	POC	REF	
CS	PCP	POST	SC	
DTM	PCT	POT	ST	

Features for Natural Items

CAV	SHR	SWP	TFR	
HDG	SNK	TDC	TLNL	
ROC	STP	TEV	TLNR	

Features for Man-made Items

AST	CON	FWD	MIS	SLO
BB	FCL	GRV	PRO	TER
BIN	FLG	GV	RET	TV
BLD	FP	LIN	RT	UST
CIS	FW	LP	SEP	WM

Features Used for Roadways

C	ENP	GP	SH	TRL
CU	ENU	GPR	SI	
EG	EP	GU	SL	
ENT	GDL	MM	SWK	

Features for Wetlands

HS	S	SF	SG	
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Features for Property

CRP	LC	ROW	SCR	SLN
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Features for Railroads

RR	RRF	RRS		
RRB	RRR	RRW		

Features for Zone 1

AST	FOM	HDG	SAD	TLNL
BB	FON	HS	SAE	TLNR
BIN	FOO	HT	SBR	TOP
BLD	FP	IN	SCR	TPA
BLS	FW	INB	SEP	TPB
BRG	FWD	LC	SF	TPC
CAV	GDC	LIN	SG	TPD
CEL	GDL	LP	SHR	TR
CIS	GHA	LUM	SI	TSB
CRP	GHB	MH	SL	TSG
CUL	GHC	MIS	SLN	TSL
EB	GHD	MM	SLO	TV
ELA	GHE	OUT	STA	TVA
ELB	GHF	PIP	STB	TVB
ELC	GHG	PPA	STC	TVC
ELD	GHH	PPB	STD	TVD
ELE	GHI	PPC	STE	TVE
FCL	GHJ	PPD	STP	TVP
FHD	GLA	PPE	TA	UB
FLG	GLB	PR	TBO	UST
FOA	GLC	RET	TCB	UV
FOB	GLD	ROC	TDC	WEL
FOC	GLE	ROW	TDL	WHD
FOD	GLF	RRB	TEV	WHU
FOE	GLG	RRF	TFR	WLA
FOF	GLH	RRS	TGP	WLB
FOG	GLI	RRW	TIL	WLC
FOH	GLJ	RT	TLA	WLD
FOI	GP	S	TLB	WLE
FOJ	GPR	SAA	TLC	WM
FOK	GRV	SAB	TLD	WND
FOL	GV	SAC	TLE	WV

Features for Zone 2

BNK	D	EG	ENU	GU
CON	DIK	ENP	EP	RIP
CU	DU	ENT	EW	RR

SH	SNP	SWP	TRL
SNK	SWK	TER	

Features for Zone 3

BL	C	GR	SP
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Features for Zone 4

EL1B	FO6C	GH1D	GL2B	SA2C
EL1C	FO6D	GH2B	GL2C	SA2D
EL1D	FO7B	GH2C	GL2D	SA3B
EL2B	FO7C	GH2D	GL3B	SA3C
EL2C	FO7D	GH3B	GL3C	SA3D
EL2D	FO8B	GH3C	GL3D	SA4B
EL3B	FO8C	GH3D	GL4B	SA4C
EL3C	FO8D	GH4B	GL4C	SA4D
EL3D	FO9B	GH4C	GL4D	SA5B
EL4B	FO9C	GH4D	GL5B	SA5C
EL4C	FO9D	GH5B	GL5C	SA5D
EL4D	FO10B	GH5C	GL5D	ST1B
EL5B	FO10C	GH5D	GL6B	ST1C
EL5C	FO10D	GH6B	GL6C	ST1D
EL5D	FO11B	GH6C	GL6D	ST2B
FO1B	FO11C	GH6D	GL7B	ST2C
FO1C	FO11D	GH7B	GL7C	ST2D
FO1D	FO12B	GH7C	GL7D	ST3B
FO2B	FO12C	GH7D	GL8B	ST3C
FO2C	FO12D	GH8B	GL8C	ST3D
FO2D	FO13B	GH8C	GL8D	ST4B
FO3B	FO13C	GH8D	GL9B	ST4C
FO3C	FO13D	GH9B	GL9C	ST4D
FO3D	FO14B	GH9C	GL9D	ST5B
FO4B	FO14C	GH9D	GL10B	ST5C
FO4C	FO14D	GH10B	GL10C	ST5D
FO4D	FO15B	GH10C	GL10D	TDL
FO5B	FO15C	GH10D	SA1B	TGP
FO5C	FO15D	GL1B	SA1C	TL1B
FO5D	GH1B	GL1C	SA1D	TL1C
FO6B	GH1C	GL1D	SA2B	TL1D

TL2B	TL5C	TV3D	WEL	WL4B
TL2C	TL5D	TV4B	WL1B	WL4C
TL2D	TV1B	TV4C	WL1C	WL4D
TL3B	TV1C	TV4D	WL1D	WL5B
TL3C	TV1D	TV5B	WL2B	WL5C
TL3D	TV2B	TV5C	WL2C	WL5D
TL4B	TV2C	TV5D	WL2D	
TL4C	TV2D	UE	WL3B	
TL4D	TV3B	UPH	WL3C	
TL5B	TV3C	UV	WL3D	

Features for Zone 5

BM	FENO	PI	PT	TS
CP	PC	POC	REF	
CS	PCP	POST	SC	
DTM	PCT	POT	ST	

Features for Zone 6

DAB

Features for Zone 7

Note used

Features for Zone 8

BBB	BD	PRO	SOP	WC
BCL	BLS	SBR	UE	

Features for Zone 9

Used by the SMD for features not found in the database.

Some of these features have been added back in for the GIS people. This information is needed for their work. Also, the utility codes changed to reflect the accuracy of the utility location on the projects.

Chronology of Changes to Design Manual Section:

040B-003 Feature Codes - Categories

1/22/2015	Revised Add in feature codes. Some feature codes were added back in for GIS people to complete their work.
5/8/2013	Revised Added new feature code UPH - Utility Pothole Location
9/30/2011	NEW New