

WSDOT InRoads Feature Code Reference Fieldcodes by CODE with Descriptions 6/08/2021

General Notes for InRoads Field Collection

1. **Always** use the Standard Survey Codes.
2. Record descriptive data as a "Note" record in the data collector. Don't add it after the code.
3. Use ' **ST** ' to start code strings. Do not use ' **END** '. InRoads will stop the 1st line at the last code and start the new string at next instance of the same feature with an ' **ST** ' following it.
4. Append a # **suffix (1-99)** to a code for multiple instances of the same feature at the same time; i.e., FT1, FT2.
5. Curved strings can be collected by using ' **PC** ' and ' **PT** ' codes. For example:
CF PC at the beginning of the curve section
CF Min of 2 shots along radius between PC & PT
CF PT at the end of curve section
6. InRoads allows the use of 'Dual Codes.' At the same shot you can have multiple codes. For example:
EP ST(space)**CF** ST (space)**MH**
7. Do not cross 3D breaklines.
8. Collect linework data in direction of increasing point nos.
9. Increasing the number of shots along a breakline will improve the DTM
10. Take shots whenever there is an elevation or angle point on feature.
11. Do not exceed 50 ft spacing on pavement or 150 ft spacing on original ground.
12. Do not shoot more than 750 ft away from the instrument.
13. Set Zero on your backsight and check in often
14. Download and process data collector files daily.
15. Keep track of point numbers used on previous jobs
16. InRoads does not allow random single point observations of breakline feature codes (EL, EPS, etc.) InRoads will connect these as linework in the DTM. To avoid this, use a random 'G' or 'P' code and add a note record describing the feature. i.e., ' **P** ' - Note record ' **EP** '
17. DNC elements aren't included when building DTM Triangles.
18. When shooting close, parallel line strings like CF and CBT take a shot of each feature at the same intervals.
19. For more info - InRoads Survey go to **Survey=>Feature Table=>Click the Control Code tab=>Help.**
20. 2D/3D also includes EXTERior and INTERior features

Medium

Field Code	Description	P/L	2D/3D
ABRM	Asphalt Berm	Line	3D
AC	Curb Asphalt Face	Line	3D
AD	Asphalt Ditch	Line	3D
ADVWS	Advanced Warning Sign	Point	2D
AI	Area Inlet	Point	3D
APB	Asphalt Pmnt Break	Line	3D
APP	Partially Obscure Area	Line	3D
ARUC	Area Under Construction	Line	2D
ASMF	Aerial Survey Inc Mark Full	Point	3D
ASMH	Aerial Survey Inc Mark Half	Point	3D
BA	Barrier Center	Line	2D
BARRC	Barricade	Line	2D
BAS	Bridge Approach Slab	Line	3D
BAT	Barrier Top	Line	2D
BB	Bank Bottom	Line	3D
BBMP	Sign Billboard Multi Post	Point	2D
BBSP	Sign Billboard Single Post	Point	2D
BCUL	Box Culvert	Line	2D
BENCH	Bench	Line	2D
BF	Barrier Face	Line	3D
BH	Bore Hole or Drill Hole	Point	2D
BIKE	Bike Symbol	Point	2D
BIKEA	Bike Symbol Arrow	Point	2D
BIKEE	Bike Path Edge	Line	3D
BIOF	Biofiltration Swale	Line	3D
BKL	Breakline Generic	Line	3D
BL	Line Barrier	Line	3D
BLDNC	Line Barrier DNC	Line	2D
BLDR	Boulder	Point	2D
BM	Bench Mark	Point	2D
BNKS	Banks Line for Plotting	Line	3D
BOL	Bollard	Point	2D
BPS	Back of Pavement Seat	Line	3D
BRAI	Area Inlet Bridge	Point	2D
BRAIL	Bridge Rail	Line	2D
BRBF	Barrier Face Bridge	Line	2D
BRBT	Barrier Top Bridge	Line	2D
BRCB	Catch Basin Bridge	Point	2D
BRCBT	Curb Top Bridge	Line	2D
BRCF	Curb Face Bridge	Line	2D
BRCFTI	Curb Traffic Island Face Bridge	Line	2D
BRCL	Bridge Center Line	Line	2D
BRD	Drain Bridge	Point	2D
BRDKL	Bridge Deck Limits	Line	2D
BRDKS	Bridge Deck Selective	Point	2D
BREJ	Bridge Expansion Joint	Line	2D
BRF	Bridge Footing	Line	2D
BRFB	Bridge Footing Bottom	Line	2D
BRG	Bridge	Line	2D

Field Code	Description	P/L	2D/3D
BRGI	Grate Inlet Bridge	Point	2D
BRGR	Guard Rail Bridge	Line	2D
BRGRD	Bridge Girder	Line	2D
BRGTPD	Bridge Grout Pad	Point	2D
BRMH	Manhole Bridge	Point	2D
BRP	Bridge Pier	Line	2D
BRPB	Pvmnt Break Bridge	Line	2D
BRPC	Bridge Pier Column	Point	2D
BRPCAP	Bridge Pier Cap Top	Line	2D
BRPCB	Bridge Pier Cap Bottom	Line	2D
BRPCT	Bridge Pier Column Top	Line	2D
BRsbd	Brush Line	Line	2D
BRSH	Brush Line 3D	Line	3D
BRSS	Bridge Super Structure	Line	2D
BRSUBS	Bridge Sub Structure	Line	2D
BRSW	Sidewalk Bridge	Line	2D
BRSWB	Sidewalk Back Bridge	Line	2D
Bsck	Backsight Check	Point	2D
BT	Bank Top	Line	3D
BU	Building Not Closed	Line	3D
BUC	Building Under Const Open	Line	3D
BUCDNC	Building Under Const 2D	Line	2D
BUCINT	Building Under Const Closed	Line	3D
BUDNC	Building 2D	Line	2D
BUINT	Building Closed	Line	3D
BUR	Building Roof	Line	2D
C	Concrete selective	Point	3D
CdFEW	Quarter Corner Found EW	Point	2D
CdFNS	Quarter Corner Found NS	Point	2D
CAM	CCTV Camera	Point	2D
CANAL	Canal	Line	3D
CASE	Casing	Point	2D
CB	Catch Basin 3D	Point	3D
CBaFL	Catch Basin Flow Line 1	Point	2D
CBbD	Catch Basin	Point	2D
CBbFL	Catch Basin Flow Line 2	Point	2D
CBcFL	Catch Basin Flow Line 3	Point	2D
CBdFL	Catch Basin Flow Line 4	Point	2D
CBeFL	Catch Basin Flow Line 5	Point	2D
CBfFL	Catch Basin Flow Line 6	Point	2D
CBgFL	Catch Basin Flow Line 7	Point	2D
CBhFL	Catch Basin Flow Line 8	Point	2D
CBAR	Cable Barrier	Line	2D
CBB	Curb Back	Line	3D
CBLPD	Cable Pedestal	Point	2D
CBLV	Cable Vault	Point	2D
CBT	Curb Top	Line	3D
CCAB	Controller Cabinet	Point	2D
CCABI	Controller Cabinet	Point	2D
CCF	Closing Corner Found	Point	2D

Field Code	Description	P/L	2D/3D
CCFN	Closing Corner Found North	Point	2D
CF	Curb Face	Line	3D
CFbD	Curb Face 2D	Line	2D
CFTI	Curb Traffic Island Face	Line	3D
CGF	Curb And Gutter	Line	3D
CHB	Channel Breakline	Line	3D
CHECK	DTM Check	Point	2D
CHUB	Communications Hub	Point	2D
CI	Concrete Inlet	Point	3D
CMI	Cast Metal Inlet	Point	3D
CNDI	Conduit and Wiring	Line	2D
CNDS	Conduit and Wiring	Line	2D
CNDTS	Conduit and Wiring TS	Line	2D
CNT	Intermediate Contour	Line	3D
CNTSEC	Center of Section	Point	2D
CP	Primary Control Point	Point	2D
CPB	Concrete Pvmnt Break	Line	3D
CPNF	Control Point Not Found	Point	2D
CR	Crown of Road	Line	3D
CSA	Contractor Sensitive Area	Line	2D
CSP	Concrete Slope Protection	Line	3D
CTbD	Curb Top 2D	Line	2D
CTRS	Center Of Structure	Point	2D
CUL	Culvert	Line	2D
CUTB	Cut Bottom	Line	3D
CUTT	Cut Top	Line	3D
CWDNC	Line Crosswalk DNC	Line	2D
CWL	Line Crosswalk	Line	2D
CZONE	Clear Zone Inventory Boundary	Line	3D
DAM	Dam	Line	3D
DB	Ditch Bottom No Dir	Line	3D
DBB	Ditch Bottom Back	Line	3D
DBD	Ditch Bottom	Line	3D
DECK	Deck	Line	2D
DEL	Line Dotted Extension	Line	3D
DELDNC	Line Dotted Extension DNC	Line	2D
DFLDD	Drainfield Deactive	Line	2D
DGA	Down Guy Anchor	Point	2D
DI	Drop Inlet	Point	3D
Dlb	Drop Inlet Type 2	Point	2D
DIKE	Dike	Line	3D
DIRP	Direction of Pipe	Point	2D
DLaTA	Detection Loop Type 1 6x15	Point	2D
DLaTB	Detection Loop Type 1 6x30	Point	2D
DLaTC	Detection Loop Type 1 6x50	Point	2D
DLbT	Detection Loop Type 2 6x6	Point	2D
DLcAT	Detection Loop Type 3a	Point	2D
DLcT	Detection Loop Type 3	Point	2D
DLD	Detection Loop Diamond	Point	2D
DLL	Line Drop Lane	Line	3D

Field Code	Description	P/L	2D/3D
DLLDNC	Line Drop Lane DNC	Line	2D
DM	Drainage Mark	Point	3D
DMI	Drainage Mark Inlet	Point	3D
DOCK	Dock	Line	2D
DP	Drain Pipe	Line	2D
DPDA	Drain Pipe Deactive	Line	2D
DPND	Detention Pond	Line	3D
DPNDB	Detention Pond Bottom	Line	3D
DRL	Drain Line	Line	2D
DRLDA	Drain Line Deactive	Line	2D
DSTA	Data Station	Point	2D
DTIE	Distance Tie	Line	2D
DUDL	Luminaire Double Underdeck	Point	2D
DW	Dry Well	Point	2D
DWL	Line Dotted Wide	Line	3D
DWLDNC	Line Dotted Wide DNC	Line	2D
DY	Line Dbl Yellow Center	Line	3D
DYDNC	Line Dbl Yellow Center DNC	Line	2D
EB	Elect Box	Point	2D
EBST	Shoulder BST Edge	Line	3D
EDW	Driveway Edge	Line	3D
EGDW	Driveway Gravel Edge	Line	3D
EGR	Roadway ETW Gravel	Line	3D
EGS	Shoulder Gravel Edge	Line	3D
EI	Estuary Itidal Hi Salt Marsh	Line	3D
EL	Line Edge White	Line	3D
ELDNC	Line Edge White DNC	Line	2D
ELY	Line Edge Yellow	Line	3D
ELYDNC	Line Edge Yellow DNC	Line	2D
ENVDIT	Ditch	Line	3D
EP	Roadway ETW Paved	Line	3D
EPDW	Driveway Paved Edge	Line	3D
EPS	Shoulder Paved Edge	Line	3D
ESBI	Electrical Service Cab	Point	2D
ESUB	Estuary Stidal Lo Salt Marsh	Line	3D
EW	Large Body of Water Edge	Line	3D
EXaU	Utilities Multi Types 1	Line	2D
EXbU	Utilities Multi Types 2	Line	2D
EXcU	Utilities Multi Types 3	Line	2D
EXdU	Utilities Multi Types 4	Line	2D
EXeU	Utilities Multi Types 5	Line	2D
EXfU	Utilities Multi Types 6	Line	2D
EXgU	Utilities Multi Types 7	Line	2D
EXhU	Utilities Multi Types 8	Line	2D
EXiU	Utilities Multi Types 9	Line	2D
FC	Fence Corner	Point	2D
FDCP	Fire Depart Connection Post	Point	2D
FDCW	Fire Depart Connection Wall	Point	2D
FE	Fence 3D	Line	3D
FEbD	Fence	Line	2D

Field Code	Description	P/L	2D/3D
FENRW	Fence RW Plan	Line	2D
FH	Fire Hydrant	Point	2D
FLBCN	Flashing Beacon	Point	2D
FLD	Field Line	Line	3D
FLFY	500 Year Flood	Line	2D
FLOARR	Flow Arrow	Point	2D
FLOY	100 Year Flood	Line	2D
FLT	Fluorescent Light	Point	2D
FLUME	Flume	Point	2D
FNDN	Foundation	Line	2D
FPOLE	Flag Pole	Point	2D
FRST	Forest	Line	2D
FT	Fill Toe	Line	3D
FTOP	Fill Top	Line	3D
FURN	Furnishings	Line	2D
G	Ground selective	Point	3D
GAS	Gas Line	Line	2D
GASDA	Gas Line Deactive	Line	2D
GATE	Gate	Point	3D
GATES	Gate Single	Point	3D
GBW	Gabion Wall	Line	3D
GBWB	Gabion Wall Bottom	Line	3D
GBWT	Gabion Wall Top	Line	3D
GEO	Washington Shield	Point	2D
GF	Gutter Face	Line	3D
GI	Grate Inlet	Point	3D
GMB	Gas Meter Box	Point	2D
GP	Guide Post	Point	2D
GPA	Gravel Parking Area	Line	3D
GPS	Global Positioning Point	Point	2D
GR	Guardrail 3D	Line	3D
GRbD	Guardrail	Line	2D
GRA	Guardrail Anchor	Point	3D
GROD	Ground Rod	Point	2D
GTANK	Gas Tank	Point	2D
GUYL	Guy Wire	Line	2D
GUYP	Guy Pole	Point	2D
HARS	HAR Sign	Point	2D
HARTR	HAR Transmitter	Point	2D
HDG	Hedge 3D	Line	3D
HDGbD	Hedge	Line	2D
HDW	Head Wall	Line	3D
HDWB	Head Wall Bottom	Line	3D
HDWT	Head Wall Top	Line	3D
HNDRAIL	Hand Rail	Line	2D
HPSS	Handicap Parking Symbol	Point	2D
HRX	Hec Ras Xsection	Line	2D
HWL	High Water Line	Line	3D
IA	Impact Attenuator	Point	2D
ICONT	Index Contour	Line	3D

Field Code	Description	P/L	2D/3D
ILTbM	Induction Loop Type 2 Mod	Point	2D
INL	Inlet Generic	Point	3D
INLC	Inlet Cover	Point	2D
INLF	Inlet Filter	Point	2D
INLI	Inlet Insert	Point	2D
INLS	Inlet Slotted	Line	3D
IRBX	Box	Point	2D
IRC	Controller	Point	2D
IRLD	Line Drip	Line	2D
IRLL	Line Lateral	Line	2D
IRLM	Line Main	Line	2D
IRLR	Line Unknown	Line	2D
IRM	Meter	Point	2D
IRSH	Sprinkler Head Full	Point	2D
IRSHH	Sprinkler Head Half	Point	2D
IRSHTQ	Sprinkler Head 75	Point	2D
IRV	Valve	Point	2D
IS	GPP Instrument Station	Point	2D
ISHLD	Interstate Shield	Point	2D
ISTRE	Intermittent Stream	Line	3D
JB	Junction Unknown	Point	2D
JBaT	Junction Box Type 1	Point	2D
JBaTS	Junction Box Type 1	Point	2D
JBaTT	Junction Box Type 1	Point	2D
JBbT	Junction Box Type 2	Point	2D
JBbTS	Junction Box Type 2	Point	2D
JBbTT	Junction Box Type 2	Point	2D
JBcT	Junction Box Type 3	Point	2D
JBcTS	Junction Box Type 3	Point	2D
JBdT	Junction Box Type 4 (Traffic-bearing)	Point	2D
JBdTS	Junction Box Type 4 (Traffic-bearing)	Point	2D
JBdTT	Junction Box Type 4 (Traffic-bearing)	Point	2D
JBeT	Junction Box Type 5 (Traffic-bearing)	Point	2D
JBeTS	Junction Box Type 5 (Traffic-bearing)	Point	2D
JBeTT	Junction Box Type 5 (Traffic-bearing)	Point	2D
JBfT	Junction Box Type 6 (Traffic-bearing)	Point	2D
JBfTS	Junction Box Type 6 (Traffic-bearing)	Point	2D
JBfTT	Junction Box Type 6 (Traffic-bearing)	Point	2D
JBgT	Junction Box Type 7 (No lock)	Point	2D
JBgTS	Junction Box Type 7 (No lock)	Point	2D
JBgTT	Junction Box Type 7 (No lock)	Point	2D
JBhT	Junction Box Type 8 (With lock)	Point	2D
JBhTS	Junction Box Type 8 (With lock)	Point	2D
JBhTT	Junction Box Type 8 (With lock)	Point	2D
JBAER	Junction Box Aerial	Point	2D
JBAERS	Junction Box Aerial	Point	2D
JBAERT	Junction Box Aerial	Point	2D
JBM	JBox Mark	Point	2D
JBNMA	Junction Box Nema	Point	2D
JBNMAS	Junction Box Nema	Point	2D

Field Code	Description	P/L	2D/3D
JBNMAT	Junction Box Nema	Point	2D
JBS	Junction Box Unknown	Point	2D
JBT	Junction Box Unknown	Point	2D
JNT	Joint	Line	3D
L	Yard Light	Point	2D
LAKE	Lake Edge	Line	3D
LB	Left Bank	Line	3D
LIMITM	Measurement Limit	Line	2D
LL	Line Lane	Line	3D
LLDNC	Line Lane DNC	Line	2D
LOB	Left Over Bank	Line	2D
LOG	Log	Line	2D
LOS	Line of Sight	Line	2D
LPOLE	Light Pole	Point	2D
LS	Light Standard Generic	Point	2D
LSDM	Light Standard Double Metal	Point	2D
LSDMS	Light Standard Double Metal	Point	2D
LSDT	Light Standard Double Timber	Point	2D
LSDTS	Light Standard Double Timber	Point	2D
LSEC	LIDAR Section	Line	3D
LSQM	Light Standard Quad Metal	Point	2D
LSQMS	Light Standard Quad Metal	Point	2D
LSS	Light Standard Generic	Point	2D
LSSIXM	Light Standard Six Metal	Point	2D
LSSIXMS	Light Standard Six Metal	Point	2D
LSSM	Light Standard Single Metal	Point	2D
LSSMS	Light Standard Single Metal	Point	2D
LSST	Light Standard Single Timber	Point	2D
LSSTS	Light Standard Timber Metal	Point	2D
LSTM	Light Standard Tri Metal	Point	2D
LSTMS	Light Standard Tri Metal	Point	2D
MB	Mail Box	Point	2D
MCC	Monument Case and Cover	Point	2D
MCF	Meander Corner Found	Point	2D
MH	Manhole	Point	3D
MHC	Communications Manhole	Point	3D
MHGU	Utility Manhole	Point	3D
MHPW	Power Manhole	Point	3D
MHSS	San Sewer Manhole	Point	3D
MHT	Telephone Manhole	Point	3D
MHW	Water Manhole	Point	3D
MLN	Marsh Edge	Line	3D
MNCTL	Monotube Cantilever	Point	2D
MNSBDG	Monotube Sign Bridge	Point	2D
MON	Monument Found	Point	2D
MONC	Monument Calculated	Point	2D
MONNF	Monument Not Found	Point	2D
MSTAS	Mast Arm Sign	Point	2D
MSYM	Wetland Symbol	Point	2D
MWEL	Monitor Well	Point	3D

Field Code	Description	P/L	2D/3D
NAV	Navigation Light	Point	2D
NB	Noise Berm	Line	3D
NHMLL	Water Line Normal High Maximum Lake Level	Line	2D
NOB	Obstruction	Line	2D
NPL	Line No Pass	Line	3D
NPLDNC	Line No Pass DNC	Line	2D
NS	NonStandard	Point	3D
NSL	NonStandard	Line	3D
NSTRE	Stream Non Scalable	Line	3D
NW	Noise Wall	Line	2D
NWB	Noise Wall Bottom	Line	3D
NWT	Noise Wall Top	Line	3D
OBS	Obscure Area	Line	3D
OCAB	Above Ground Cable TV	Line	2D
OCL	Above Ground Communication Line	Line	2D
OFR	Open Flow Restrictor	Point	3D
OHTP	Above Ground Hi Tens Power Line	Line	2D
OHW	Water Line Ordinary High	Line	2D
OHWF	Water Line Ordinary High Flag	Point	2D
OIL	Oil Line	Line	2D
OILDA	Oil Line Deactive	Line	2D
OOFc	Above Ground Fiber Optic Cable	Line	2D
OPOW	Above Ground Power	Line	2D
ORCH	Orchard Or Vineyard	Line	3D
OTANK	Oil Tank	Point	2D
OTEL	Above Ground Telephone Line	Line	2D
OU	Above Ground Utilities Multiple	Line	2D
OULINE	Above Ground Utility Line	Line	2D
OUPT	Above Ground Utility Point	Point	2D
OVRSGN	Overhead Sign	Point	2D
P	Pvmnt selective	Point	3D
PAR	Paved Area	Line	3D
PATH	Pedestrian Path Edge	Line	3D
PATIO	Patio	Line	2D
PBBP	Pedestrian PushButton Post	Point	2D
PBOXI	Pull Box	Point	2D
PBOXT	Pull Box	Point	2D
PBUT	Pedestrian PushButton	Point	2D
PBX	Power Box	Point	2D
PEM	Emergent Fresh Marsh	Line	3D
PFO	Forested	Line	3D
PFRK	Pitchfork Light	Point	2D
PH	Pothole Location	Point	2D
PHCEN	Photo Center	Point	2D
PHCP	Photo Horizontal Vertical Control Point	Point	2D
PHD	Pedestrian Signal Head Dbl	Point	2D
PHL	Pedestrian Signal Head L	Point	2D
PHR	Pedestrian Signal Head R	Point	2D
PHS	Pedestrian Signal Head ST	Point	2D
PHTIC	Photo Grid Tic	Point	2D

Field Code	Description	P/L	2D/3D
PIEZ	Piezometer	Point	2D
PILE	Piling	Point	2D
PIPE	Pipe	Line	2D
PIPEFL	Flow Line For Pipes	Point	2D
PLS	HOV Symbol	Point	2D
PM	Parking Meter	Point	2D
PMB	Power Meter Box	Point	2D
PMPTD	Emergency Preem Point Detail	Point	2D
PMPTI	Emergency Preem Point Indicator	Point	2D
POND	Pond Edge	Line	3D
PONDB	Pond Bottom	Line	3D
POSTM	Post Metal	Point	2D
POSTW	Post Wood	Point	2D
POW	Open Fresh Pond	Line	3D
PP	Power Pole	Point	2D
PPA	Paved Parking Area	Line	3D
PPI	Pole	Point	2D
PPS	Pole	Point	2D
PROADEG	Generic Edge Paved	Line	3D
PROPC	Property Corner	Point	2D
PSS	Scrub Shrub	Line	3D
QB	Quarry Boundary	Line	3D
QSY	Quarry Symbol	Point	2D
RB	Right Bank	Line	3D
RBUbD	Ruins 2D	Line	2D
RESV	Reservoir	Line	3D
RHA	Anchor	Point	2D
RIP	Rip Rap Edge	Line	3D
RIV	River Edge	Line	3D
RLL	Line Reversible Lane	Line	3D
RLLDNC	Line Reversible Lane DNC	Line	2D
RMSG	Ramp Meter Signal	Point	2D
RMSG_L	Ramp Meter Signal LT	Point	2D
RMSG_R	Ramp Meter Signal RT	Point	2D
ROADEGG	Generic Edge Gravel	Line	3D
ROB	Right Over Bank	Line	2D
ROCK	Rock	Point	3D
ROCKL	Rock Line	Line	3D
ROWM	RW Marker	Point	2D
ROWMC	RW Marker Calculated	Point	2D
ROWMF	RW Marker Found	Point	2D
ROWMNF	RW Marker Not Found	Point	2D
RP	Reference Point	Point	2D
RPMaT	Raised Pavement Marker Type 1	Point	2D
RPMbT	Raised Pavement Marker Type 2	Point	2D
RPMcT	Raised Pavement Marker Type 3	Point	2D
RPML	Line RPM Skip	Line	3D
RPMLDNC	Line RPM Skip DNC	Line	2D
RPMLS	Line RPM Solid	Line	3D
RPMLSDNC	Line RPM Solid DNC	Line	2D

Field Code	Description	P/L	2D/3D
RR	RR Center Tracks 3D	Line	3D
RRbD	RR Center Tracks	Line	2D
RRS	RR Symbol	Point	2D
RRST	RR Structure	Line	2D
RRT	RR Rail Top	Line	2D
RS	Rumble Strip	Line	2D
RWbD	Retaining Wall	Line	2D
RWB	Retaining Wall Bottom	Line	3D
RWT	Retaining Wall Top	Line	3D
SCAB	Elect Service Cabinet	Point	2D
SCDIBX	SCDI Box	Point	2D
SCF	Section Corner Found	Point	2D
SCL	Line Skip Center	Line	3D
SCLDNC	Line Skip Center DNC	Line	2D
SE	Spot Elevation	Point	3D
SEW	San Sewer Line	Line	2D
SEWDA	San Sewer Line Deactive	Line	2D
SF	Stress Fracture	Line	2D
SGDB	Sign Double Post	Point	2D
SGFLW	Sign Flush Wall	Point	2D
SGNd	Sign Four Post	Point	2D
SGNW	Sign From Wall	Point	2D
SGP	Signal Pole Unknown	Point	2D
SGPaT	Signal Standard Type 1 or 4	Point	2D
SGPbT	Signal Standard Type 2	Point	2D
SGPcT	Signal Standard Type 3	Point	2D
SGPeT	Signal Standard Type 5	Point	2D
SGSNG	Sign Single Post	Point	2D
SGTR	Sign Triple Post	Point	2D
SH	Signal Head	Point	2D
SHDSE	Sprinkler Head Strip End	Point	2D
SHDSS	Sprinkler Head Strip Side	Point	2D
SHDTC	Sprinkler Head Strip Center	Point	2D
SHDTF	Sprinkler Head 25	Point	2D
SHH	Signal Head Horizontal	Point	2D
SIGaTS	Signal Type 1	Point	2D
SIGbTS	Signal Type 2	Point	2D
SIGN	Sign	Point	2D
SL	Line Stop	Line	2D
SLAB	Concrete Slab	Line	3D
SLDNC	Line Stop DNC	Line	2D
SLGHT	Sign Light	Point	2D
SN	Sounding	Point	3D
SOILP	SoilPit	Point	3D
SPA	Strn Pole Anchor	Point	2D
SPAS	Strn Pole Anchor	Point	2D
SPB	Stockpile Bottom	Line	3D
SPG	Spring	Line	3D
SPT	Stockpile Top	Line	3D
SRSHLD	State Route Shield	Point	2D

Field Code	Description	P/L	2D/3D
SSCO	San Sewer Clean Out	Point	3D
SSF	Scrub Shrub Forested	Line	2D
SSFLP	Flow Line Point	Point	2D
STAIR	Stair	Line	2D
STMCO	Storm Sewer Clean Out	Point	3D
STRCT	Structure	Line	2D
STRE	Stream Scaleable Edge	Line	3D
STREB	Stream Scaleable Bottom	Line	3D
STRECL	Stream Centerline	Line	3D
STT	Steel Transmission Tower	Point	2D
STTP	Steel Transmission Tower	Point	2D
STUbD	Structure	Line	2D
STUMP	Stump	Point	2D
SW	Sidewalk	Line	3D
SWB	Sidewalk Back	Line	3D
SWF	Sidewalk Face	Line	3D
SWR	Sidewalk Ramp	Line	3D
SWTA	Storm Water Treatment	Line	3D
T	Tree 3D By Center	Point	3D
TbD	Tree By Center	Point	2D
TbDE	Tree By Edge	Point	2D
TABS	Traffic Arrow Type 5 Big S	Point	2D
TAL	Traffic Arrow Type 2 L	Point	2D
TALF	Traffic Arrow Type 6 L	Point	2D
TALR	Traffic Arrow Type 4 LR	Point	2D
TALRS	Traffic Arrow Type 7 LRS	Point	2D
TALS	Traffic Arrow Type 3 LS	Point	2D
TANK	Tank	Point	2D
TANKL	Tank Line	Line	2D
TAR	Traffic Arrow Type 2 R	Point	2D
TARALC	Traffic Arrow RA Type LC	Point	2D
TARALT	Traffic Arrow RA Type LT	Point	2D
TARALTC	Traffic Arrow RA Type LTC	Point	2D
TARALTR	Traffic Arrow RA Type LTR	Point	2D
TARALTRC	Traffic Arrow RA Type LTRC	Point	2D
TARAT	Traffic Arrow RA Type T	Point	2D
TARATC	Traffic Arrow RA Type TC	Point	2D
TARATR	Traffic Arrow RA Type TR	Point	2D
TARATRC	Traffic Arrow RA Type TRC	Point	2D
TARF	Traffic Arrow Type 6 R	Point	2D
TARS	Traffic Arrow Type 3 RS	Point	2D
TAS	Traffic Arrow Type 1 S	Point	2D
TBM	Temp Bench Mark	Point	2D
TBRP	Timber Pole	Point	2D
TBTH	Telephone Booth	Point	2D
TBUT	Traffic Button	Point	2D
TBX	Telephone Box	Point	2D
TCP	Temp Control Point	Point	2D
TELPD	Telephone Pedestal	Point	2D
TH	Thalweg	Line	3D

Field Code	Description	P/L	2D/3D
TL	Tree Line 3D	Line	3D
TLbD	Tree Line	Line	2D
TLET	Only Symbol	Point	2D
TNAI	Area Inlet Tunnel	Point	2D
TNBAT	Barrier Top Tunnel	Line	2D
TNBF	Barrier Face Tunnel	Line	2D
TNCB	Catch Basin Tunnel	Point	2D
TNCBT	Curb Top Tunnel	Line	2D
TNCF	Curb Face Tunnel	Line	2D
TNCFTI	Curb Traffic Island Face Tunnel	Line	2D
TNCL	Tunnel Center Line	Line	2D
TND	Drain Tunnel	Point	2D
TNGI	Grate Inlet Tunnel	Point	2D
TNGR	Guard Rail Tunnel	Line	2D
TNLMT	Tunnel Limits	Line	2D
TNMH	Manhole Tunnel	Point	2D
TNPB	Pvmnt Break Tunnel	Line	2D
TNRAIL	Tunnel Rail	Line	2D
TNSC	Tunnel Support Column	Point	2D
TNSF	Transformer	Point	2D
TNSW	Sidewalk Tunnel	Line	2D
TNSWB	Sidewalk Back Tunnel	Line	2D
TP	Telephone Pole	Point	2D
TPL	Topography Limit	Line	3D
TPLC	Topography Limit Closed	Line	3D
TPOL	Timber Pole	Point	2D
TRAIL	Trail	Line	3D
TRCAN	Truss Cantilever	Point	2D
TRF	Transverse Feature	Line	3D
TRFCB	Transformer Cabinet	Point	2D
TRSGBG	Truss Sign Bridge	Point	2D
TS	Tidal Shoreline	Line	3D
TSB	Signal Box Unknown	Point	2D
TSL	Signal Loop Unknown	Point	2D
TTCAB	Terminal Cabinet	Point	2D
TUN	Tunnel	Line	2D
TVCB	CCTV Control Cabinet	Point	2D
TWLT	Line Two Way Lt Turn	Line	3D
TWLTDNC	Line Two Way Lt Turn DNC	Line	2D
UBX	Utility Box	Point	2D
UCAB	Under Ground Cable TV	Line	2D
UCABDA	Under Ground Cable TV Deactive	Line	2D
UCB	Under Ground Cable Box	Point	2D
UCL	Under Ground Communication Line	Line	2D
UCP	Utility Company Pedestal	Point	2D
UDL	Luminaire Underdeck	Point	2D
UDRL	Under Drain Line	Line	2D
UDRLDA	Under Drain Line Deactive	Line	2D
ULOBJM	Unknown Linear Object	Line	2D
ULOBJN	Unknown Linear Object	Line	2D

Field Code	Description	P/L	2D/3D
UMP	Utility Marker Post	Point	2D
UOBJM	Unknown Object	Point	2D
UOBJN	Unknown Object	Point	2D
UOFC	Under Ground Fiber Optic	Line	2D
UOFCDA	Under Ground Fiber Optic Deactive	Line	2D
UP	Utility Pole	Point	2D
UPD	Unknown Pedestal	Point	2D
UPOW	Under Ground Power Line	Line	2D
UPOWDA	Under Ground Power Line Deactive	Line	2D
USHLD	US Route Shield	Point	2D
UST	Storm Sewer Line	Line	2D
USTDA	Storm Sewer Line Deactive	Line	2D
UTANK	Under Ground Tank	Point	2D
UTB	Under Ground Telephone Box	Point	2D
UTEL	Under Ground Telephone Cable	Line	2D
UUDA	Under Ground Utilities Multiple Deactive	Line	2D
UULINE	Under Ground Utility Line	Line	2D
UULINEDA	Under Ground Utility Line Deactive	Line	2D
UUM	Under Ground Utilities Multiple	Line	2D
VACNTRL	Valve Auto Control	Point	2D
VAULT	Utility Vault	Point	2D
VAULTC	Under Ground Communication Vault New	Point	2D
VAULTPW	Under Ground Power Vault	Point	2D
VAULTW	Under Ground Water Vault	Point	2D
VB	Valve Box	Point	2D
VBALL	Valve Ball	Point	2D
VBSS	Valve Box San Sewer	Point	2D
VCP	Photo Vertical Control Point	Point	2D
VDC	Valve Double Check	Point	2D
VENT	Vent	Point	2D
VENTG	Vent Grate	Line	2D
VG	Valve Box Gas	Point	2D
VGATE	Valve Gate	Point	2D
VMS	VMS Overhead	Point	2D
VMSCB	VMS Control Cabinet	Point	2D
VMSSH	VMS Shoulder	Point	2D
VRA	Valve Release	Point	2D
VW	Valve Box Water	Point	2D
WAT	Water Line	Line	2D
WATDA	Water Line Deactive	Line	2D
WC	Curb Wooden Face	Line	3D
WE	Water Edge	Line	2D
WEIR	Weir	Line	3D
WELL	Well	Point	2D
WL	Line Wide	Line	3D
WLB	Bndry Wetland	Line	2D
WLDNC	Line Wide DNC	Line	2D
WLF	Flag	Point	3D
WLMH	Water Line Mean High	Line	2D
WLMHH	Water Line Mean Higher High	Line	2D

Field Code	Description	P/L	2D/3D
WLML	Water Line Mean Low	Line	2D
WLMLL	Water Line Mean Lower Low	Line	2D
WLS	Line Skip Wide	Line	3D
WLSDNC	Line Skip Wide DNC	Line	2D
WLSF	Wetland Sample Flag	Point	2D
WMB	Water Meter Box	Point	2D
WPCK	Wallpack Light	Point	2D
WTANK	Water Tank	Point	2D
WTT	Wooden Transmission Tower	Point	2D
WTTTP	Wooden Transmission Tower	Point	2D
WW	Wing Wall	Line	3D
WWB	Wing Wall Bottom	Line	3D
WWT	Wing Wall Top	Line	3D
XHARC	HAR Control Cabinet	Point	2D
YAHDa	Yield Ahead Symbol Type 1	Point	2D
YAHDb	Yield Ahead Symbol Type 2	Point	2D
YLDa	Yield Symbol Type 1	Point	2D
YLDb	Yield Symbol Type 2	Point	2D