S2.01 General

This section describes the symbology used to identify features by survey crews, photogrammetry and other collection methods.

Survey crews collect field observations and assign a standard field codes to each point observed. The data is processed and the final results are delivered per requirements.

Field reference listings by code and name are available on the CAE website.

S2.02 Survey Using Electronic Fieldbook

Electronic fieldbooks will use the current WSDOT standard field codes to identify field observed points. The use of these field codes will ensure the data can be imported design software with proper symbology. This also ensures that the field collected points are identified the same way across all WSDOT projects.

S2.03 Alphabetical Listing of Field Codes

The alphabetical listing below provides a complete list of standard survey elements by field code. The name of the element is prepended with a Category code and Sub-Category code to help organize symbology.

Field Code	2D/3D	P/L	Cat.	Sub-Cat.	Element Name	Description
ABRM	3D	Line	RD	BM	AsphaltBerm	*Asphalt Berm*
AC	3D	Line	RD	CG	CurbAsphaltFace	*Curb Asphalt Face*
AD	3D	Line	DR	PP	AsphaltDitch	*Asphalt Ditch*
ADVWS	2D	Point	TR	TS	AdvancedWarningSign	*Advanced Warning Sign*
AGUTSTR	2D	Line	UT	GU	AboveGndUtilityStructure	*Above Ground Utility Structure*
AI	3D	Point	DR	ST	AreaInlet	*Area Inlet*
APB	3D	Line	BL	LN	AsphaltPvmntBreak	*Asphalt Pvmnt Break*
APP	3D	Line	BL	LN	PartiallyObscureArea	*Partially Obscure Area*
ARUC	2D	Line	TP	MM	AreaUnderConstr	*Area Under Construction*
ASMF	3D	Point	RD	MK	AerialSurvIncMarkFull	*Aerial Survey Inc Mark Full*
ASMH	3D	Point	RD	MK	AerialSurvIncMarkHalf	*Aerial Survey Inc Mark Half*
ATMCC	2D	Point	TR	TS	ATMControlCabinet	*ATM Control Cabinet*
BA	2D	Line	RD	BR	BarrierCenter	*Barrier Center*
BARRC	2D	Line	TR	SN	Barricade	*Barricade*
BAS	3D	Line	ST	BG	BridgeApproachSlab	*Bridge Approach Slab*
BAT	2D	Line	RD	BR	BarrierTop	*Barrier Top*
BB	3D	Line	BL	LN	BankBottom	*Bank Bottom*
BBMP	2D	Point	TR	SN	SignBBoardMultiPost	*Sign Billboard Multi Post*
BBSP	2D	Point	TR	SN	SignBBoardSnglPost	*Sign Billboard Single Post*
BCUL	2D	Line	DR	ST	BoxCulvert	*Box Culvert*
BENCH	2D	Line	TP	MM	Bench	*Bench*
BF	3D	Line	RD	BR	BarrierFace	*Barrier Face*
BH	2D	Point	TP	MM	BoreHoleorDrillHole	*Bore Hole or Drill Hole*
BIKE	2D	Point	RD	MK	BikeSymb	*Bike Symbol*
BIKEA	2D	Point	RD	MK	BikeSymbArrow	*Bike Symbol Arrow*
BIKEE	3D	Line	RD	ED	BikePathEdge	*Bike Path Edge*
BIOF	3D	Line	EV	WL	BiofiltrationSwale	*Biofiltration Swale*
BKL	3D	Line	BL	LN	BreaklineGeneric	*Breakline Generic*
BL	3D	Line	RD	MK	LineBarrier	*Line Barrier*
BLDNC	2D	Line	RD	MK	LineBarrierDNC	*Line Barrier DNC*
BM	2D	Point	PM	MN	BenchMark	*Bench Mark*
BNKS	3D	Line	BL	LN	BanksLineforPlotting	*Banks Line for Plotting*
BOL	2D	Point	RD	BR	Bollard	*Bollard*
BPS	3D	Line	ST	BG	BackofPvmntSeat	*Back of Pavement Seat*
BRAI	2D	Point	DR	ST	AreaInletBridge	*Area Inlet Bridge*
BRAIL	2D	Line	ST	BG	BridgeRail	*Bridge Rail*

S2.03 Alphabetical Listing of Field Codes

The alphabetical listing below provides a complete list of standard survey elements by field code. The name of the element is prepended with a Category code and Sub-Category code to help organize symbology.

Field Code	2D/3D	P/L	Cat.	Sub-Cat.	Element Name	Description
BRBF	2D	Line	RD	BR	BarrierFaceBridge	*Barrier Face Bridge*
BRBT	2D	Line	RD	BR	BarrierTopBridge	*Barrier Top Bridge*
BRCB	2D	Point	DR	ST	CatchBasinBridge	*Catch Basin Bridge*
BRCBT	2D	Line	RD	CG	CurbTopBridge	*Curb Top Bridge*
BRCF	2D	Line	RD	CG	CurbFaceBridge	*Curb Face Bridge*
BRCFTI	2D	Line	RD	CG	CurbTrafficIsFaceBridge	*Curb Traffic Island Face Bridge*
BRCL	2D	Line	ST	BG	BridgeCenterLine	*Bridge Center Line*
BRD	2D	Point	DR	ST	DrainBridge	*Drain Bridge*
BRDKL	2D	Line	ST	BG	BridgeDeckLimits	*Bridge Deck Limits*
BRDKS	2D	Point	ST	BG	BridgeDeckSelective	*Bridge Deck Selective*
BREJ	2D	Line	ST	BG	BridgeExpansionJoint	*Bridge Expansion Joint*
BRF	2D	Line	ST	BG	BridgeFooting	*Bridge Footing*
BRFB	2D	Line	ST	BG	BridgeFootingBottom	*Bridge Footing Bottom*
BRG	2D	Line	ST	BG	Bridge	*Bridge*
BRGI	2D	Point	DR	ST	GrateInletBridge	*Grate Inlet Bridge*
BRGPIL	2D	Line	ST	BG	BridgePile	*Bridge Pile*
BRGR	2D	Line	RD	BR	GuardRailBridge	*Guard Rail Bridge*
BRGRD	2D	Line	ST	BG	BridgeGirder	*Bridge Girder*
BRGSHFT	2D	Line	ST	BG	BridgeShaft	*Bridge Shaft*
BRGTPD	2D	Point	ST	BG	BridgeGroutPad	*Bridge Grout Pad*
BRMH	2D	Point	DR	ST	ManholeBridge	*Manhole Bridge*
BRP	2D	Line	ST	BG	BridgePier	*Bridge Pier*
BRPB	2D	Line	BL	LN	PvmntBreakBridge	*Pvmnt Break Bridge*
BRPC	2D	Point	ST	BG	BridgePierColumn	*Bridge Pier Column*
BRPCAP	2D	Line	ST	BG	BridgePierCapTop	*Bridge Pier Cap Top*
BRPCB	2D	Line	ST	BG	BridgePierCapBottom	*Bridge Pier Cap Bottom*
BRPCT	2D	Line	ST	BG	BridgePierColumnTop	*Bridge Pier Column Top*
BRS2D	2D	Line	TP	NT	BrushLine	*Brush Line*
BRSH	3D	Line	TP	NT	BrushLine3D	*Brush Line 3D*
BRSS	2D	Line	ST	BG	BridgeSuperStructure	*Bridge Super Structure*
BRSUBS	2D	Line	ST	BG	BridgeSubStructure	*Bridge Sub Structure*
BRSW	2D	Line	RD	CG	SidewalkBridge	*Sidewalk Bridge*
BRSWB	2D	Line	RD	CG	SidewalkBackBridge	*Sidewalk Back Bridge*
BSCK	2D	Point	PM	MN	BacksightCheck	*Backsight Check*
BT	3D	Line	BL	LN	BankTop	*Bank Top*

S2.03 Alphabetical Listing of Field Codes

The alphabetical listing below provides a complete list of standard survey elements by field code. The name of the element is prepended with a Category code and Sub-Category code to help organize symbology.

Field Code	2D/3D	P/L	Cat.	Sub-Cat.	Element Name	Description
BU	3D	Line	TP	MM	BuildingNotClosed	*Building Not Closed*
BUC	3D	Line	TP	MM	BuildingUnderConstOpen	*Building Under Const Open*
BUCDNC	2D	Line	TP	MM	BuildingUnderConst2D	*Building Under Const 2D*
BUCINT	3D	Line	TP	MM	BuildingUnderConstClosed	*Building Under Const Closed*
BUDNC	2D	Line	TP	MM	Building2D	*Building 2D*
BUINT	3D	Line	TP	MM	BuildingClosed	*Building Closed*
BUSPED	2D	Point	UT	GU	BusPedestal	*Bus Pedestal*
C	3D	Point	BL	PT	Concreteselective	*Concrete selective*
C4FEW	2D	Point	RW	SC	QuarterCornerFoundEW	*Quarter Corner Found EW*
C4FNS	2D	Point	RW	SC	QuarterCornerFoundNS	*Quarter Corner Found NS*
CAM	2D	Point	TR	TS	CCTVCamera	*CCTV Camera*
CANAL	3D	Line	TP	MM	Canal	*Canal*
CASE	2D	Point	EV	IR	Casing	*Casing*
CB	3D	Point	DR	ST	CatchBasin3D	*Catch Basin 3D*
CB1FL	2D	Point	DR	PP	CatchBasinFlowLine1	*Catch Basin Flow Line 1*
CB2D	2D	Point	DR	ST	CatchBasin	*Catch Basin*
CB2FL	2D	Point	DR	PP	CatchBasinFlowLine2	*Catch Basin Flow Line 2*
CB3FL	2D	Point	DR	PP	CatchBasinFlowLine3	*Catch Basin Flow Line 3*
CB4FL	2D	Point	DR	PP	CatchBasinFlowLine4	*Catch Basin Flow Line 4*
CB5FL	2D	Point	DR	PP	CatchBasinFlowLine5	*Catch Basin Flow Line 5*
CB6FL	2D	Point	DR	PP	CatchBasinFlowLine6	*Catch Basin Flow Line 6*
CB7FL	2D	Point	DR	PP	CatchBasinFlowLine7	*Catch Basin Flow Line 7*
CB8FL	2D	Point	DR	PP	CatchBasinFlowLine8	*Catch Basin Flow Line 8*
CBAR	2D	Line	RD	BR	CableBarrier	*Cable Barrier*
CBB	3D	Line	RD	CG	CurbBack	*Curb Back*
CBLPD	2D	Point	UT	CM	CablePedestal	*Cable Pedestal*
CBLV	2D	Point	TR	TS	CableVault	*Cable Vault*
CBT	3D	Line	RD	CG	CurbTop	*Curb Top*
CCAB	2D	Point	TR	SG	ControllerCabinet	*Controller Cabinet*
CCABI	2D	Point	TR	IL	ControllerCabinet	*Controller Cabinet*
CCF	2D	Point	RW	SC	ClosingCornerFound	*Closing Corner Found*
CCFN	2D	Point	RW	SC	ClosingCornerFoundNorth	*Closing Corner Found North*
CF	3D	Line	RD	CG	CurbFace	*Curb Face*
CF2D	2D	Line	RD	CG	CurbFace2D	*Curb Face 2D*
CFTI	3D	Line	RD	CG	CurbTrafficIslandFace	*Curb Traffic Island Face*
CGF	3D	Line	RD	CG	CurbAndGutter	*Curb And Gutter*

S2.03 Alphabetical Listing of Field Codes

The alphabetical listing below provides a complete list of standard survey elements by field code. The name of the element is prepended with a Category code and Sub-Category code to help organize symbology.

Field Code	2D/3D	P/L	Cat.	Sub-Cat.	Element Name	Description
CHB	3D	Line	TP	NT	ChannelBreakline	*Channel Breakline*
CHECK	2D	Point	BL	PT	DTMCheck	*DTM Check*
CHUB	2D	Point	TR	TS	CommunicationsHub	*Communications Hub*
CI	3D	Point	DR	ST	ConcreteInlet	*Concrete Inlet*
CMI	3D	Point	DR	ST	CastMetalInlet	*Cast Metal Inlet*
CNDI	2D	Line	TR	IL	ConduitandWiring	*Conduit and Wiring*
CNDS	2D	Line	TR	SG	ConduitandWiring	*Conduit and Wiring*
CNDTS	2D	Line	TR	TS	ConduitandWiringTS	*Conduit and Wiring TS*
CNT	3D	Line	TP	CN	IntermediateContour	*Intermediate Contour*
CNTSEC	2D	Point	RW	SC	CenterofSection	*Center of Section*
COMANT	2D	Point	UT	CM	CommunicationAntenna	*Communication Antenna*
COMHHL	2D	Point	UT	CM	CommunicationHandhole	*Communication Handhole*
COMMPO	2D	Point	UT	CM	CommunicationMonopole	*Communication Monopole*
COMPBO	2D	Point	UT	CM	CommunicationPullBox	*Communication Pull Box*
CP	2D	Point	PM	MN	PrimaryControlPoint	*Primary Control Point*
CPB	3D	Line	BL	LN	ConcretePvmntBreak	*Concrete Pvmnt Break*
CPNF	2D	Point	PM	MN	ControlPointNotFound	*Control Point Not Found*
CR	3D	Line	BL	LN	CrownofRoad	*Crown of Road*
CSP	3D	Line	TP	MM	ConcreteSlopeProtection	*Concrete Slope Protection*
CT2D	2D	Line	RD	CG	CurbTop2D	*Curb Top 2D*
CTRS	2D	Point	UT	GU	CenterOfStructure	*Center Of Structure*
CUL	2D	Line	DR	ST	Culvert	*Culvert*
CUTB	3D	Line	BL	LN	CutBottom	*Cut Bottom*
CUTT	3D	Line	BL	LN	CutTop	*Cut Top*
CWDNC	2D	Line	RD	MK	LineCrosswalkDNC	*Line Crosswalk DNC*
CWL	2D	Line	RD	MK	LineCrosswalk	*Line Crosswalk*
CZONE	3D	Line	RD	MC	ClearZoneInventoryBndry	*Clear Zone Inventory Boundary*
DAM	3D	Line	TP	MM	Dam	*Dam*
DB	3D	Line	DR	PP	DitchBottomNoDir	*Ditch Bottom No Dir*
DBB	3D	Line	DR	PP	DitchBottomBack	*Ditch Bottom Back*
DBD	3D	Line	DR	PP	DitchBottom	*Ditch Bottom*
DECK	2D	Line	TP	MM	Deck	*Deck*
DEL	3D	Line	RD	MK	LineDottedExtension	*Line Dotted Extension*
DELDNC	2D	Line	RD	MK	LineDottedExtensionDNC	*Line Dotted Extension DNC*
DFLDD	2D	Line	UT	SS	DrainfieldDeactive	*Drainfield Deactive*

S2.03 Alphabetical Listing of Field Codes

The alphabetical listing below provides a complete list of standard survey elements by field code. The name of the element is prepended with a Category code and Sub-Category code to help organize symbology.

Field Code	2D/3D	P/L	Cat.	Sub-Cat.	Element Name	Description
DGA	2D	Point	UT	GU	DownGuyAnchor	*Down Guy Anchor*
DI	3D	Point	DR	ST	DropInlet	*Drop Inlet*
DI2	2D	Point	DR	ST	DropInletType2	*Drop Inlet Type 2*
DIKE	3D	Line	TP	MM	Dike	*Dike*
DIRP	3D	Point	DR	PP	DirectionofPipe	*Direction of Pipe*
DL1TA	2D	Point	TR	SG	DetLoopType16x15	*Detection Loop Type 1 6x15*
DL1TB	2D	Point	TR	SG	DetLoopType16x30	*Detection Loop Type 1 6x30*
DL1TC	2D	Point	TR	SG	DetLoopType16x50	*Detection Loop Type 1 6x50*
DL2T	2D	Point	TR	SG	DetLoopType26x6	*Detection Loop Type 2 6x6*
DL3AT	2D	Point	TR	SG	DetLoopType3a	*Detection Loop Type 3a*
DL3T	2D	Point	TR	SG	DetLoopType3	*Detection Loop Type 3*
DLD	2D	Point	TR	SG	DetLoopDiamond	*Detection Loop Diamond*
DLL	3D	Line	RD	MK	LineDropLane	*Line Drop Lane*
DLLDNC	2D	Line	RD	MK	LineDropLaneDNC	*Line Drop Lane DNC*
DM	3D	Point	RD	MK	DrainageMark	*Drainage Mark*
DMCB	3D	Point	RD	MK	DrainageMarkCatchBasin	*Drainage Mark Catch Basin*
DOCK	2D	Line	TP	MM	Dock	*Dock*
DP	2D	Line	DR	PP	DrainPipe	*Drain Pipe*
DPDA	2D	Line	DR	PP	DrainPipeDeactive	*Drain Pipe Deactive*
DPND	3D	Line	DR	PP	DetentionPond	*Detention Pond*
DPNDB	3D	Line	DR	PP	DetentionPondBottom	*Detention Pond Bottom*
DRL	2D	Line	DR	PP	DrainLine	*Drain Line*
DRLDA	2D	Line	DR	PP	DrainLineDeactive	*Drain Line Deactive*
DSTA	2D	Point	TR	TS	DataStation	*Data Station*
DTIE	2D	Line	TP	MM	DistanceTie	*Distance Tie*
DUDL	2D	Point	TR	IL	LuminaireDblUnderdeck	*Luminaire Double Underdeck*
DW	2D	Point	DR	ST	DryWell	*Dry Well*
DWL	3D	Line	RD	MK	LineDottedWide	*Line Dotted Wide*
DWLDNC	2D	Line	RD	MK	LineDottedWideDNC	*Line Dotted Wide DNC*
DY	3D	Line	RD	MK	LineDblYellowCenter	*Line Dbl Yellow Center*
DYDNC	2D	Line	RD	MK	LineDblYellowCenterDNC	*Line Dbl Yellow Center DNC*
EB	2D	Point	UT	PW	ElectBox	*Elect Box*
EBST	3D	Line	RD	ED	ShoulderBSTEdge	*Shoulder BST Edge*
EDW	3D	Line	RD	ED	DrivewayEdge	*Driveway Edge*
EGDW	3D	Line	RD	ED	DrivewayGravelEdge	*Driveway Gravel Edge*
EGR	3D	Line	RD	ED	RoadwayETWGravel	*Roadway ETW Gravel*

S2.03 Alphabetical Listing of Field Codes

The alphabetical listing below provides a complete list of standard survey elements by field code. The name of the element is prepended with a Category code and Sub-Category code to help organize symbology.

Field Code	2D/3D	P/L	Cat.	Sub-Cat.	Element Name	Description
EGS	3D	Line	RD	ED	ShoulderGravelEdge	*Shoulder Gravel Edge*
EI	3D	Line	EV	WL	EstlTidalHiSaltMarsh	*Estuary Itidal Hi Salt Marsh*
EL	3D	Line	RD	MK	LineEdgeWhite	*Line Edge White*
ELDNC	2D	Line	RD	MK	LineEdgeWhiteDNC	*Line Edge White DNC*
ELY	3D	Line	RD	MK	LineEdgeYellow	*Line Edge Yellow*
ELYDNC	2D	Line	RD	MK	LineEdgeYellowDNC	*Line Edge Yellow DNC*
ENGGEN	2D	Point	UT	PW	EngineGenerator	*Engine Generator*
ENVDIT	3D	Line	EV	IR	Ditch	*Ditch*
EP	3D	Line	RD	ED	RoadwayETWPaved	*Roadway ETW Paved*
EPDW	3D	Line	RD	ED	DrivewayPavedEdge	*Driveway Paved Edge*
EPS	3D	Line	RD	ED	ShoulderPavedEdge	*Shoulder Paved Edge*
ESBI	2D	Point	TR	IL	ElectricalServiceCab	*Electrical Service Cab*
ESUB	3D	Line	EV	WL	EstSTidalLoSaltMarsh	*Estuary Stidal Lo Salt Marsh*
EW	3D	Line	TP	NT	LargeBodyofWaterEdge	*Large Body of Water Edge*
EX1U	2D	Line	UT	MT	UtilitiesMultiTypes1	*Utilities Multi Types 1*
EX2U	2D	Line	UT	MT	UtilitiesMultiTypes2	*Utilities Multi Types 2*
EX3U	2D	Line	UT	MT	UtilitiesMultiTypes3	*Utilities Multi Types 3*
EX4U	2D	Line	UT	MT	UtilitiesMultiTypes4	*Utilities Multi Types 4*
EX5U	2D	Line	UT	MT	UtilitiesMultiTypes5	*Utilities Multi Types 5*
EX6U	2D	Line	UT	MT	UtilitiesMultiTypes6	*Utilities Multi Types 6*
EX7U	2D	Line	UT	MT	UtilitiesMultiTypes7	*Utilities Multi Types 7*
EX8U	2D	Line	UT	MT	UtilitiesMultiTypes8	*Utilities Multi Types 8*
EX9U	2D	Line	UT	MT	UtilitiesMultiTypes9	*Utilities Multi Types 9*
FC	2D	Point	RW	PA	FenceCorner	*Fence Corner*
FDCP	2D	Point	UT	WT	FireDeptConnPost	*Fire Depart Connection Post*
FDCW	2D	Point	UT	WT	FireDeptConnWall	*Fire Depart Connection Wall*
FE	3D	Line	RD	BR	Fence3D	*Fence 3D*
FE2D	2D	Line	RD	BR	Fence	*Fence*
FENRW	2D	Line	RD	BR	FenceRWPlan	*Fence RW Plan*
FH	2D	Point	UT	WT	FireHydrant	*Fire Hydrant*
FLBCN	2D	Point	TR	SG	FlashingBeacon	*Flashing Beacon*
FLD	3D	Line	TP	MM	FieldLine	*Field Line*
FLFY	2D	Line	EV	WL	500YearFlood	*500 Year Flood*
FLOARR	2D	Point	TP	NT	FlowArrow	*Flow Arrow*
FLOY	2D	Line	EV	WL	100YearFlood	*100 Year Flood*
FLT	2D	Point	TR	IL	FluorescentLight	*Fluorescent Light*

S2.03 Alphabetical Listing of Field Codes

The alphabetical listing below provides a complete list of standard survey elements by field code. The name of the element is prepended with a Category code and Sub-Category code to help organize symbology.

Field Code	2D/3D	P/L	Cat.	Sub-Cat.	Element Name	Description
FLUME	2D	Point	DR	PP	Flume	*Flume*
FNDN	2D	Line	TP	MM	Foundation	*Foundation*
FORMAIN	2D	Line	UT	SS	ForceMain	*Force Main*
FPOLE	2D	Point	TP	MM	FlagPole	*Flag Pole*
FRST	2D	Line	TP	NT	Forest	*Forest*
FT	3D	Line	BL	LN	FillToe	*Fill Toe*
FTC	2D	Point	TR	TS	FiberTerminalCabinet	*Fiber Terminal Cabinet*
FTOP	3D	Line	BL	LN	FillTop	*Fill Top*
FURN	2D	Line	EV	LS	Furnishings	*Furnishings*
G	3D	Point	BL	PT	Groundselective	*Ground selective*
GAS	2D	Line	UT	GS	GasLine	*Gas Line*
GASDA	2D	Line	UT	GS	GasLineDeactive	*Gas Line Deactive*
GATE	3D	Point	RD	BR	Gate	*Gate*
GATES	3D	Point	RD	BR	GateSingle	*Gate Single*
GBW	3D	Line	ST	WA	GabionWall	*Gabion Wall*
GBWB	3D	Line	ST	WA	GabionWallBottom	*Gabion Wall Bottom*
GBWT	3D	Line	ST	WA	GabionWallTop	*Gabion Wall Top*
GEO	2D	Point	TR	SN	WashingtonShield	*Washington Shield*
GF	3D	Line	RD	CG	GutterFace	*Gutter Face*
GI	3D	Point	DR	ST	GrateInlet	*Grate Inlet*
GMB	2D	Point	UT	GS	GasMeterBox	*Gas Meter Box*
GP	2D	Point	RD	BR	GuidePost	*Guide Post*
GPA	3D	Line	TP	MM	GravelParkingArea	*Gravel Parking Area*
GPS	2D	Point	PM	MN	GlobalPositioningPoint	*Global Positioning Point*
GR	3D	Line	RD	BR	Guardrail3D	*Guardrail 3D*
GR2D	2D	Line	RD	BR	Guardrail	*Guardrail*
GRA	3D	Point	RD	BR	GuardrailAnchor	*Guardrail Anchor*
GROD	2D	Point	UT	PW	GroundRod	*Ground Rod*
GTANK	2D	Point	TP	MM	GasTank	*Gas Tank*
GUYL	2D	Line	UT	GU	GuyWire	*Guy Wire*
GUYP	2D	Point	UT	GU	GuyPole	*Guy Pole*
HARS	2D	Point	TR	TS	HARSign	*HAR Sign*
HARTR	2D	Point	TR	TS	HARTransmitter	*HAR Transmitter*
HDG	3D	Line	TP	MM	Hedge3D	*Hedge 3D*
HDG2D	2D	Line	TP	MM	Hedge	*Hedge*
HDW	3D	Line	DR	ST	HeadWall	*Head Wall*

S2.03 Alphabetical Listing of Field Codes

The alphabetical listing below provides a complete list of standard survey elements by field code. The name of the element is prepended with a Category code and Sub-Category code to help organize symbology.

Field Code	2D/3D	P/L	Cat.	Sub-Cat.	Element Name	Description
HDWB	3D	Line	DR	ST	HeadWallBottom	*Head Wall Bottom*
HDWT	3D	Line	DR	ST	HeadWallTop	*Head Wall Top*
HNDRAIL	2D	Line	TP	MM	HandRail	*Hand Rail*
HPSS	2D	Point	RD	MK	HCapParkingSymb	*Handicap Parking Symbol*
HRX	2D	Line	EV	HR	HecRasXsec	*Hec Ras Xsection*
HWL	3D	Line	TP	NT	HighWaterLine	*High Water Line*
IA	2D	Point	RD	BR	ImpactAttenuator	*Impact Attenuator*
ICONT	3D	Line	TP	CN	IndexContour	*Index Contour*
ILT2M	2D	Point	TR	TS	InductionLoopType2Mod	*Induction Loop Type 2 Mod*
INL	3D	Point	DR	ST	InletGeneric	*Inlet Generic*
INLC	2D	Point	EV	EC	InletCover	*Inlet Cover*
INLF	2D	Point	EV	EC	InletFilter	*Inlet Filter*
INLI	2D	Point	EV	EC	InletInsert	*Inlet Insert*
INLS	3D	Line	DR	ST	InletSlotted	*Inlet Slotted*
IRBX	2D	Point	EV	IR	Box	*Box*
IRC	2D	Point	EV	IR	Controller	*Controller*
IRLD	2D	Line	EV	IR	LineDrip	*Line Drip*
IRLL	2D	Line	EV	IR	LineLateral	*Line Lateral*
IRLM	2D	Line	EV	IR	LineMain	*Line Main*
IRLR	2D	Line	EV	IR	LineUnknown	*Line Unknown*
IRM	2D	Point	EV	IR	Meter	*Meter*
IRSH	2D	Point	EV	IR	SprinklerHeadFull	*Sprinkler Head Full*
IRSHH	2D	Point	EV	IR	SprinklerHeadHalf	*Sprinkler Head Half*
IRSHTQ	2D	Point	EV	IR	SprinklerHead75	*Sprinkler Head 75*
IRV	2D	Point	EV	IR	Valve	*Valve*
IS	2D	Point	PM	MN	GPPInstrumentStation	*GPP Instrument Station*
ISHLD	2D	Point	TR	SN	InterstateShield	*Interstate Shield*
ISTRE	3D	Line	TP	NT	IntermittentStream	*Intermittent Stream*
JB	2D	Point	TR	IL	JBoxUnknown	*Junction Unknown*
JB1T	2D	Point	TR	IL	JBox1	*Junction Box Type 1*
JB1TS	2D	Point	TR	SG	JBox1	*Junction Box Type 1*
JB1TT	2D	Point	TR	TS	JBox1	*Junction Box Type 1*
JB2T	2D	Point	TR	IL	JBox2	*Junction Box Type 2*
JB2TS	2D	Point	TR	SG	JBox2	*Junction Box Type 2*
JB2TT	2D	Point	TR	TS	JBox2	*Junction Box Type 2*
JB3T	2D	Point	TR	IL	JBox3	*Junction Box Type 3*

S2.03 Alphabetical Listing of Field Codes

The alphabetical listing below provides a complete list of standard survey elements by field code. The name of the element is prepended with a Category code and Sub-Category code to help organize symbology.

Field Code	2D/3D	P/L	Cat.	Sub-Cat.	Element Name	Description
JB3TS	2D	Point	TR	SG	JBox3	*Junction Box Type 3*
JB4T	2D	Point	TR	IL	JBox4(Traffic-bearing)	*Junction Box Type 4 (Traffic-bearing)*
JB4TS	2D	Point	TR	SG	JBox4(Traffic-bearing)	*Junction Box Type 4 (Traffic-bearing)*
JB4TT	2D	Point	TR	TS	JBox4(Traffic-bearing)	*Junction Box Type 4 (Traffic-bearing)*
JB5T	2D	Point	TR	IL	JBox5(Traffic-bearing)	*Junction Box Type 5 (Traffic-bearing)*
JB5TS	2D	Point	TR	SG	JBox5(Traffic-bearing)	*Junction Box Type 5 (Traffic-bearing)*
JB5TT	2D	Point	TR	TS	JBox5(Traffic-bearing)	*Junction Box Type 5 (Traffic-bearing)*
JB6T	2D	Point	TR	IL	JBox6(Traffic-bearing)	*Junction Box Type 6 (Traffic-bearing)*
JB6TS	2D	Point	TR	SG	JBox6(Traffic-bearing)	*Junction Box Type 6 (Traffic-bearing)*
JB6TT	2D	Point	TR	TS	JBox6(Traffic-bearing)	*Junction Box Type 6 (Traffic-bearing)*
JB7T	2D	Point	TR	IL	JBox7(NoLock)	*Junction Box Type 7 (No lock)*
JB7TS	2D	Point	TR	SG	JBox7(NoLock)	*Junction Box Type 7 (No lock)*
JB7TT	2D	Point	TR	TS	JBox7(NoLock)	*Junction Box Type 7 (No lock)*
JB8T	2D	Point	TR	IL	JBox8(WithLock)	*Junction Box Type 8 (With lock)*
JB8TS	2D	Point	TR	SG	JBox8(WithLock)	*Junction Box Type 8 (With lock)*
JB8TT	2D	Point	TR	TS	JBox8(WithLock)	*Junction Box Type 8 (With lock)*
JBAER	2D	Point	TR	IL	JBoxAerial	*Junction Box Aerial*
JBAERS	2D	Point	TR	SG	JBoxAerial	*Junction Box Aerial*
JBAERT	2D	Point	TR	TS	JBoxAerial	*Junction Box Aerial*
JBM	2D	Point	RD	MK	JBoxMarker	*JBox Marker*
JBNMA	2D	Point	TR	IL	JBoxNema	*Junction Box Nema*
JBNMAS	2D	Point	TR	SG	JBoxNema	*Junction Box Nema*
JBNMAT	2D	Point	TR	TS	JBoxNema	*Junction Box Nema*
JBS	2D	Point	TR	SG	JBoxUnknown	*Junction Box Unknown*
JBT	2D	Point	TR	TS	JBoxUnknown	*Junction Box Unknown*
L	2D	Point	TP	MM	YardLight	*Yard Light*
LAKE	3D	Line	TP	NT	LakeEdge	*Lake Edge*
LB	3D	Line	EV	HR	LeftBank	*Left Bank*
LCONSIN	2D	Point	TR	TS	LaneControlSign	*Lane Control Sign*
LIMITM	2D	Line	TP	CN	MeasurementLimit	*Measurement Limit*

S2.03 Alphabetical Listing of Field Codes

The alphabetical listing below provides a complete list of standard survey elements by field code. The name of the element is prepended with a Category code and Sub-Category code to help organize symbology.

Field Code	2D/3D	P/L	Cat.	Sub-Cat.	Element Name	Description
LL	3D	Line	RD	MK	LineLane	*Line Lane*
LLDNC	2D	Line	RD	MK	LineLaneDNC	*Line Lane DNC*
LOB	2D	Line	EV	HR	LeftOverBank	*Left Over Bank*
LOS	2D	Line	BL	LN	LineofSight	*Line of Sight*
LPOLE	2D	Point	TR	IL	LightPole	*Light Pole*
LS	2D	Point	TR	IL	LightStdGeneric	*Light Standard Generic*
LSDM	2D	Point	TR	IL	LightStdDblMetal	*Light Standard Double Metal*
LSDMS	2D	Point	TR	SG	LightStdDblMetal	*Light Standard Double Metal*
LSDT	2D	Point	TR	IL	LightStdDblTimber	*Light Standard Double Timber*
LSDTS	2D	Point	TR	SG	LightStdDblTimber	*Light Standard Double Timber*
LSEC	3D	Line	BL	LN	LIDARSection	*LIDAR Section*
LSQM	2D	Point	TR	IL	LightStdQuadMetal	*Light Standard Quad Metal*
LSQMS	2D	Point	TR	SG	LightStdQuadMetal	*Light Standard Quad Metal*
LSS	2D	Point	TR	SG	LightStdGeneric	*Light Standard Generic*
LSSIXM	2D	Point	TR	IL	LightStdSixMetal	*Light Standard Six Metal*
LSSIXMS	2D	Point	TR	SG	LightStdSixMetal	*Light Standard Six Metal*
LSSM	2D	Point	TR	IL	LightStdSnglMetal	*Light Standard Single Metal*
LSSMS	2D	Point	TR	SG	LightStdSnglMetal	*Light Standard Single Metal*
LSST	2D	Point	TR	IL	LightStdSnglTimber	*Light Standard Single Timber*
LSSTS	2D	Point	TR	SG	LightStdSnglTimber	*Light Standard Timber Metal*
LSTM	2D	Point	TR	IL	LightStdTriMetal	*Light Standard Tri Metal*
LSTMS	2D	Point	TR	SG	LightStdTriMetal	*Light Standard Tri Metal*
MB	2D	Point	TP	MM	MailBox	*Mail Box*
MCC	2D	Point	PM	MN	MonumentCaseandCover	*Monument Case and Cover*
MCF	2D	Point	RW	SC	MeanderCornerFound	*Meander Corner Found*
MH	3D	Point	DR	ST	Manhole	*Manhole*
MHC	3D	Point	UT	CM	Manhole	*Communications Manhole*
MHGU	3D	Point	UT	GU	UtilityManhole	*Utility Manhole*
MHPW	3D	Point	UT	PW	PowerManhole	*Power Manhole*
MHSS	3D	Point	UT	SS	SanSewerManhole	*San Sewer Manhole*
MHT	3D	Point	UT	CM	TelephoneManhole	*Telephone Manhole*
MHW	3D	Point	UT	WT	WaterManhole	*Water Manhole*
MLN	3D	Line	TP	NT	MarshEdge	*Marsh Edge*
MNCTL	2D	Point	TR	SN	MonotubeCantilever	*Monotube Cantilever*
MNSBDG	2D	Point	TR	SN	MonotubeSignBridge	*Monotube Sign Bridge*
MON	2D	Point	PM	MN	MonumentFound	*Monument Found*

S2.03 Alphabetical Listing of Field Codes

The alphabetical listing below provides a complete list of standard survey elements by field code. The name of the element is prepended with a Category code and Sub-Category code to help organize symbology.

Field Code	2D/3D	P/L	Cat.	Sub-Cat.	Element Name	Description
MONC	2D	Point	PM	MN	MonumentCalcd	*Monument Calculated*
MONNF	2D	Point	PM	MN	MonumentNotFound	*Monument Not Found*
MSTAS	2D	Point	TR	SG	MastArmSign	*Mast Arm Sign*
MSYM	2D	Point	EV	WL	WetlandSymb	*Wetland Symbol*
MWEL	3D	Point	TP	MM	MonitorWell	*Monitor Well*
NAV	2D	Point	TR	IL	NavigationLight	*Navigation Light*
NAVCHN	2D	Line	TP	MM	NavigationChannel	*Navigation Channel*
NB	3D	Line	RD	BM	NoiseBerm	*Noise Berm*
NHMLL	2D	Line	EV	WL	WaterLineNrmHighMaxLkLvl	*Water Line Normal High Maximum Lake Level*
NOB	2D	Line	TP	NT	Obstruction	*Obstruction*
NPL	3D	Line	RD	MK	LineNoPass	*Line No Pass*
NPLDNC	2D	Line	RD	MK	LineNoPassDNC	*Line No Pass DNC*
NS	3D	Point	BL	PT	NonStandard	*NonStandard*
NSL	3D	Line	BL	LN	NonStandard	*NonStandard*
NSTRE	3D	Line	TP	NT	StreamNonScalable	*Stream Non Scalable*
NW	2D	Line	ST	WA	NoiseWall	*Noise Wall*
NWB	3D	Line	ST	WA	NoiseWallBottom	*Noise Wall Bottom*
NWT	3D	Line	ST	WA	NoiseWallTop	*Noise Wall Top*
OBS	3D	Line	BL	LN	ObscureArea	*Obscure Area*
OCAB	2D	Line	UT	CM	AbvGndCableTV	*Above Ground Cable TV*
OCL	2D	Line	UT	CM	AbvGndCommLine	*Above Ground Communication Line*
OFR	3D	Point	DR	ST	OpenFlowRestrictor	*Open Flow Restrictor*
OHTP	2D	Line	UT	PW	AbvGndHiTensPowerLine	*Above Ground Hi Tens Power Line*
OHW	2D	Line	EV	WL	WaterLineOrdinaryHigh	*Water Line Ordinary High*
OHWF	2D	Point	EV	WL	WaterLineOrdinaryHighFlag	*Water Line Ordinary High Flag*
OIL	2D	Line	UT	GS	OilLine	*Oil Line*
OILDA	2D	Line	UT	GS	OilLineDeactive	*Oil Line Deactive*
OOFC	2D	Line	UT	CM	AbvGndFiberOpticCable	*Above Ground Fiber Optic Cable*
OPOW	2D	Line	UT	PW	AbvGndPower	*Above Ground Power*
ORCH	3D	Line	TP	MM	OrchardOrVineyard	*Orchard Or Vineyard*
OTANK	2D	Point	TP	MM	OilTank	*Oil Tank*
OTEL	2D	Line	UT	CM	AbvGndTelephoneLine	*Above Ground Telephone Line*
OU	2D	Line	UT	MT	AbvGndUtilitiesMulti	*Above Ground Utilities Multiple*
OULINE	2D	Line	UT	GU	AboveGroundUtilityLine	*Above Ground Utility Line*

S2.03 Alphabetical Listing of Field Codes

The alphabetical listing below provides a complete list of standard survey elements by field code. The name of the element is prepended with a Category code and Sub-Category code to help organize symbology.

Field Code	2D/3D	P/L	Cat.	Sub-Cat.	Element Name	Description
OUPT	2D	Point	UT	GU	AboveGroundUtilityPoint	*Above Ground Utility Point*
OVRSGN	2D	Point	TR	SN	OverheadSign	*Overhead Sign*
P	3D	Point	BL	PT	Pvmntselective	*Pvmnt selective*
PAR	3D	Line	TP	MM	PavedArea	*Paved Area*
PATH	3D	Line	RD	ED	PedPathEdge	*Pedestrian Path Edge*
PATIO	2D	Line	TP	MM	Patio	*Patio*
PBBP	2D	Point	TR	SG	PedPushButtonPost	*Pedestrian PushButton Post*
PBOXI	2D	Point	TR	IL	PullBox	*Pull Box*
PBOXT	2D	Point	TR	TS	PullBox	*Pull Box*
PBUT	2D	Point	TR	SG	PedPushButton	*Pedestrian PushButton*
PBX	2D	Point	UT	PW	PowerBox	*Power Box*
PEM	3D	Line	EV	WL	EmergentFreshMarsh	*Emergent Fresh Marsh*
PFO	3D	Line	EV	WL	Forested	*Forested*
PFRK	2D	Point	TR	IL	PitchforkLight	*Pitchfork Light*
PH	2D	Point	UT	GU	PotholeLocation	*Pothole Location*
PHCEN	2D	Point	PM	PH	PhotoCenter	*Photo Center*
PHCP	2D	Point	PM	PH	PhotoHorVertControlPoint	*Photo Horizontal Vertical Control Point*
PHD	2D	Point	TR	SG	PedSignalHeadDbl	*Pedestrian Signal Head Dbl*
PHL	2D	Point	TR	SG	PedSignalHeadL	*Pedestrian Signal Head L*
PHR	2D	Point	TR	SG	PedSignalHeadR	*Pedestrian Signal Head R*
PHS	2D	Point	TR	SG	PedSignalHeadST	*Pedestrian Signal Head ST*
PHTIC	2D	Point	PM	PH	PhotoGridTic	*Photo Grid Tic*
PIEZ	2D	Point	TP	MM	Piezometer	*Piezometer*
PILE	2D	Point	TP	MM	Piling	*Piling*
PIPBRCA	2D	Point	UT	GU	PipeBraceAnchor	*Pipe Brace Anchor*
PIPE	2D	Line	TP	MM	Pipe	*Pipe*
PIPEFL	2D	Point	DR	PP	FlowLineForPipes	*Flow Line For Pipes*
PLS	2D	Point	RD	MK	HOVSymb	*HOV Symbol*
PM	2D	Point	TP	MM	ParkingMeter	*Parking Meter*
PMB	2D	Point	UT	PW	PowerMeterBox	*Power Meter Box*
PMPTD	2D	Point	TR	SG	EmergPreemptDet	*Emergency Preem Point Detail*
PMPTI	2D	Point	TR	SG	EmergPreemptIndicator	*Emergency Preem Point Indicator*
POND	3D	Line	TP	NT	PondEdge	*Pond Edge*
PONDB	3D	Line	TP	NT	PondBottom	*Pond Bottom*
POSTM	2D	Point	TP	MM	PostMetal	*Post Metal*

S2.03 Alphabetical Listing of Field Codes

The alphabetical listing below provides a complete list of standard survey elements by field code. The name of the element is prepended with a Category code and Sub-Category code to help organize symbology.

Field Code	2D/3D	P/L	Cat.	Sub-Cat.	Element Name	Description
POSTW	2D	Point	TP	MM	PostWood	*Post Wood*
POW	3D	Line	EV	WL	OpenFreshPond	*Open Fresh Pond*
POWHHL	2D	Point	UT	PW	PowerHandhole	*Power Handhole*
POWPAN	2D	Point	TR	TS	PowerPanel	*Power Panel*
POWPBO	2D	Point	UT	PW	PowerPullBox	*Power Pull Box*
PP	2D	Point	UT	PW	PowerPole	*Power Pole*
PPA	3D	Line	TP	MM	PavedParkingArea	*Paved Parking Area*
PPI	2D	Point	TR	IL	Pole	*Pole*
PPS	2D	Point	TR	SG	Pole	*Pole*
PROADE	3D	Line	RD	ED	GenericEdgePaved	*Generic Edge Paved*
PROPC	2D	Point	RW	PA	PropertyCorner	*Property Corner*
PSS	3D	Line	EV	WL	ScrubShrub	*Scrub Shrub*
PTRC	2D	Point	TR	TS	PermTrafficRecorderCab	*Perm Traffic Recorder Cab*
QB	3D	Line	TP	MM	QuarryBndry	*Quarry Boundary*
QSY	2D	Point	TP	MM	QuarrySymb	*Quarry Symbol*
RB	3D	Line	EV	HR	RightBank	*Right Bank*
RBU2D	2D	Line	TP	MM	Ruins2D	*Ruins 2D*
REMAMP	2D	Point	TR	TS	RemoteAmplifierCabinet	*Remote Amplifier Cabinet*
RESV	3D	Line	TP	MM	Reservoir	*Reservoir*
RIP	3D	Line	TP	MM	RipRapEdge	*Rip Rap Edge*
RIV	3D	Line	TP	NT	RiverEdge	*River Edge*
RLL	3D	Line	RD	MK	LineReversibleLane	*Line Reversible Lane*
RLLDNC	2D	Line	RD	MK	LineReversibleLaneDNC	*Line Reversible Lane DNC*
RMSG	2D	Point	TR	SG	RampMeterSignal	*Ramp Meter Signal*
RMSGL	2D	Point	TR	SG	RampMeterSignalLT	*Ramp Meter Signal LT*
RMSGR	2D	Point	TR	SG	RampMeterSignalRT	*Ramp Meter Signal RT*
ROADEG	3D	Line	RD	ED	GenericEdgeGravel	*Generic Edge Gravel*
ROB	2D	Line	EV	HR	RightOverBank	*Right Over Bank*
ROCK	3D	Point	BL	PT	Rock	*Rock*
ROCKL	3D	Line	BL	LN	RockLine	*Rock Line*
ROWM	2D	Point	RW	BD	RWMarker	*RW Marker*
ROWMC	2D	Point	RW	BD	RWMarkerCalcd	*RW Marker Calculated*
ROWMF	2D	Point	RW	BD	RWMarkerFound	*RW Marker Found*
ROWMNF	2D	Point	RW	BD	RWMarkerNotFound	*RW Marker Not Found*
RP	2D	Point	BL	PT	ReferencePoint	*Reference Point*

S2.03 Alphabetical Listing of Field Codes

The alphabetical listing below provides a complete list of standard survey elements by field code. The name of the element is prepended with a Category code and Sub-Category code to help organize symbology.

Field Code	2D/3D	P/L	Cat.	Sub-Cat.	Element Name	Description
RPM1T	2D	Point	RD	MK	RaisedPvmntMarkerType1	*Raised Pavement Marker Type 1*
RPM2T	2D	Point	RD	MK	RaisedPvmntMarkerType2	*Raised Pavement Marker Type 2*
RPM3T	2D	Point	RD	MK	RaisedPvmntMarkerType3	*Raised Pavement Marker Type 3*
RPML	3D	Line	RD	MK	LineRPMSkip	*Line RPM Skip*
RPMLDN	2D	Line	RD	MK	LineRPMSkipDNC	*Line RPM Skip DNC*
RPMLS	3D	Line	RD	MK	LineRPMSolid	*Line RPM Solid*
RPMLSD	2D	Line	RD	MK	LineRPMSolidDNC	*Line RPM Solid DNC*
RR	3D	Line	TP	MM	RRCenterTracks3D	*RR Center Tracks 3D*
RR2D	2D	Line	TP	MM	RRCenterTracks	*RR Center Tracks*
RRS	2D	Point	RD	MK	RRSymb	*RR Symbol*
RRST	2D	Line	ST	BG	RRStructure	*RR Structure*
RRT	2D	Line	TP	MM	RRRailTop	*RR Rail Top*
RS	2D	Line	RD	MK	RumbleStrip	*Rumble Strip*
RW2D	2D	Line	ST	WA	RetainingWall	*Retaining Wall*
RWB	3D	Line	ST	WA	RetainingWallBottom	*Retaining Wall Bottom*
RWT	3D	Line	ST	WA	RetainingWallTop	*Retaining Wall Top*
SCAB	2D	Point	TR	SG	ElectServiceCabinet	*Elect Service Cabinet*
SCDIBX	2D	Point	TR	TS	SCDIBox	*SCDI Box*
SCF	2D	Point	RW	SC	SectionCornerFound	*Section Corner Found*
SCL	3D	Line	RD	MK	LineSkipCenter	*Line Skip Center*
SCLDNC	2D	Line	RD	MK	LineSkipCenterDNC	*Line Skip Center DNC*
SE	3D	Point	TP	CN	SpotElevation	*Spot Elevation*
SEW	2D	Line	UT	SS	SanSewerLine	*San Sewer Line*
SEWDA	2D	Line	UT	SS	SanSewerLineDeactive	*San Sewer Line Deactive*
SF	2D	Line	BL	LN	StressFracture	*Stress Fracture*
SGDB	2D	Point	TR	SN	SignDblePost	*Sign Double Post*
SGFLW	2D	Point	TR	SN	SignFlushWall	*Sign Flush Wall*
SGN4	2D	Point	TR	SN	SignFourPost	*Sign Four Post*
SGNW	2D	Point	TR	SN	SignFromWall	*Sign From Wall*
SGP	2D	Point	TR	SG	SignalPoleUnknown	*Signal Pole Unknown*
SGP1T	2D	Point	TR	SG	SignalStdType1or4	*Signal Standard Type 1 or 4*
SGP2T	2D	Point	TR	SG	SignalStdType2	*Signal Standard Type 2*
SGP3T	2D	Point	TR	SG	SignalStdType3	*Signal Standard Type 3*
SGP5T	2D	Point	TR	SG	SignalStdType5	*Signal Standard Type 5*

S2.03 Alphabetical Listing of Field Codes

The alphabetical listing below provides a complete list of standard survey elements by field code. The name of the element is prepended with a Category code and Sub-Category code to help organize symbology.

Field Code	2D/3D	P/L	Cat.	Sub-Cat.	Element Name	Description
SGSNG	2D	Point	TR	SN	SignSnglPost	*Sign Single Post*
SGTR	2D	Point	TR	SN	SignTriplePost	*Sign Triple Post*
SH	2D	Point	TR	SG	SignalHead	*Signal Head*
SHDSE	2D	Point	EV	IR	SprinklerHeadStripEnd	*Sprinkler Head Strip End*
SHDSS	2D	Point	EV	IR	SprinklerHeadStripSide	*Sprinkler Head Strip Side*
SHDTC	2D	Point	EV	IR	SprinklerHeadStripCenter	*Sprinkler Head Strip Center*
SHDTF	2D	Point	EV	IR	SprinklerHead25	*Sprinkler Head 25*
SHH	2D	Point	TR	SG	SignalHeadHoriz	*Signal Head Horizontal*
SIG1TS	2D	Point	TR	TS	SignalType1	*Signal Type 1*
SIG2TS	2D	Point	TR	TS	SignalType2	*Signal Type 2*
SIGN	2D	Point	TR	SN	Sign	*Sign*
SL	2D	Line	RD	MK	LineStop	*Line Stop*
SLAB	3D	Line	TP	MM	ConcreteSlab	*Concrete Slab*
SLDNC	2D	Line	RD	MK	LineStopDNC	*Line Stop DNC*
SLGHT	2D	Point	TR	IL	SignLight	*Sign Light*
SMDSIN	2D	Point	TR	TS	SideMountDynamicSign	*Side Mount Dynamic Sign*
SN	3D	Point	BL	PT	Sounding	*Sounding*
SNSR	2D	Point	TR	TS	Sensor	*Sensor*
SOILP	3D	Point	BL	PT	SoilPit	*SoilPit*
SPA	2D	Point	TR	IL	StrnPoleAnchor	*Strn Pole Anchor*
SPAS	2D	Point	TR	SG	StrnPoleAnchor	*Strn Pole Anchor*
SPB	3D	Line	TP	MM	StockpileBottom	*Stockpile Bottom*
SPG	3D	Line	DR	PP	Spring	*Spring*
SPNWIR	2D	Line	UT	GU	Spanwire	*Span Wire*
SPT	3D	Line	TP	MM	StockpileTop	*Stockpile Top*
SRSHLD	2D	Point	TR	SN	StateRouteShield	*State Route Shield*
SSCO	3D	Point	UT	SS	SanSewerCleanOut	*San Sewer Clean Out*
SSF	2D	Line	EV	WL	ScrubShrubForested	*Scrub Shrub Forested*
SSFLP	2D	Point	UT	SS	FlowlinePoint	*Flow Line Point*
SSSC	2D	Line	UT	SS	SanSewerStormSewerCombo	*San Sewer Storm Sewer Combo*
STAIR	2D	Line	TP	MM	Stair	*Stair*
STMCO	3D	Point	DR	ST	StormSewerCleanOut	*Storm Sewer Clean Out*
STMCON	2D	Line	UT	PW	SteamConduit	*Steam Conduit*
STRCT	2D	Line	TP	MM	Structure	*Structure*
STRE	3D	Line	TP	NT	StreamScaleableEdge	*Stream Scaleable Edge*

S2.03 Alphabetical Listing of Field Codes

The alphabetical listing below provides a complete list of standard survey elements by field code. The name of the element is prepended with a Category code and Sub-Category code to help organize symbology.

Field Code	2D/3D	P/L	Cat.	Sub-Cat.	Element Name	Description
STREB	3D	Line	TP	NT	StreamScaleableBottom	*Stream Scaleable Bottom*
STRECL	3D	Line	EV	HR	StreamCenterline	*Stream Centerline*
STT	2D	Point	UT	CM	SteelTransmissionTower	*Steel Transmission Tower*
STTP	2D	Point	UT	PW	SteelTransmissionTower	*Steel Transmission Tower*
STU2D	2D	Line	ST	BG	Structure	*Structure*
STUMP	2D	Point	TP	NT	Stump	*Stump*
SW	3D	Line	RD	CG	Sidewalk	*Sidewalk*
SWB	3D	Line	RD	CG	SidewalkBack	*Sidewalk Back*
SWF	3D	Line	RD	CG	SidewalkFace	*Sidewalk Face*
SWIGEAR	2D	Point	UT	PW	SwitchGear	*Switch Gear*
SWR	3D	Line	RD	CG	SidewalkRamp	*Sidewalk Ramp*
SWTA	3D	Line	EV	WL	StormWaterTrtmnt	*Storm Water Treattment*
T	3D	Point	TP	NT	Tree3DByCenter	*Tree 3D By Center*
T2D	2D	Point	TP	NT	TreeByCenter	*Tree By Center*
T2DE	2D	Point	TP	NT	TreeByEdge	*Tree By Edge*
TABS	2D	Point	RD	MK	TrafficArrowType5BigS	*Traffic Arrow Type 5 Big S*
TAL	2D	Point	RD	MK	TrafficArrowType2L	*Traffic Arrow Type 2 L*
TALF	2D	Point	RD	MK	TrafficArrowType6L	*Traffic Arrow Type 6 L*
TALR	2D	Point	RD	MK	TrafficArrowType4LR	*Traffic Arrow Type 4 LR*
TALRS	2D	Point	RD	MK	TrafficArrowType7LRS	*Traffic Arrow Type 7 LRS*
TALS	2D	Point	RD	MK	TrafficArrowType3LS	*Traffic Arrow Type 3 LS*
TANK	2D	Point	TP	MM	Tank	*Tank*
TANKL	2D	Line	TP	MM	TankLine	*Tank Line*
TAR	2D	Point	RD	MK	TrafficArrowType2R	*Traffic Arrow Type 2 R*
TARALC	2D	Point	RD	MK	TrafficArrowRATypeLC	*Traffic Arrow RA Type LC*
TARALT	2D	Point	RD	MK	TrafficArrowRATypeLT	*Traffic Arrow RA Type LT*
TARALTC	2D	Point	RD	MK	TrafficArrowRATypeLTC	*Traffic Arrow RA Type LTC*
TARALTR	2D	Point	RD	MK	TrafficArrowRATypeLTR	*Traffic Arrow RA Type LTR*
TARALTR	2D	Point	RD	MK	TrafficArrowRATypeLTRC	*Traffic Arrow RA Type LTRC*
TARAT	2D	Point	RD	MK	TrafficArrowRATypeT	*Traffic Arrow RA Type T*
TARATC	2D	Point	RD	MK	TrafficArrowRATypeTC	*Traffic Arrow RA Type TC*
TARATR	2D	Point	RD	MK	TrafficArrowRATypeTR	*Traffic Arrow RA Type TR*
TARATRC	2D	Point	RD	MK	TrafficArrowRATypeTRC	*Traffic Arrow RA Type TRC*
TARF	2D	Point	RD	MK	TrafficArrowType6R	*Traffic Arrow Type 6 R*
TARS	2D	Point	RD	MK	TrafficArrowType3RS	*Traffic Arrow Type 3 RS*
TAS	2D	Point	RD	MK	TrafficArrowType1S	*Traffic Arrow Type 1 S*

S2.03 Alphabetical Listing of Field Codes

The alphabetical listing below provides a complete list of standard survey elements by field code. The name of the element is prepended with a Category code and Sub-Category code to help organize symbology.

Field Code	2D/3D	P/L	Cat.	Sub-Cat.	Element Name	Description
TBM	2D	Point	PM	MN	TempBenchMark	*Temp Bench Mark*
TBRP	2D	Point	TR	SG	TimberPole	*Timber Pole*
TBTH	2D	Point	UT	CM	TelephoneBooth	*Telephone Booth*
TBUT	2D	Point	RD	MK	TrafficButton	*Traffic Button*
TBX	2D	Point	UT	CM	TelephoneBox	*Telephone Box*
TCP	2D	Point	PM	MN	TempControlPoint	*Temp Control Point*
TELPD	2D	Point	UT	CM	TelephonePedestal	*Telephone Pedestal*
TFRMR	2D	Point	UT	PW	Transformer	*Transformer*
TH	3D	Line	TP	NT	Thalweg	*Thalweg*
TL	3D	Line	TP	NT	TreeLine3D	*Tree Line 3D*
TL2D	2D	Line	TP	NT	TreeLine	*Tree Line*
TLET	2D	Point	RD	MK	OnlySymbol	*Only Symbol*
TNAI	2D	Point	DR	ST	AreaInletTunnel	*Area Inlet Tunnel*
TNBAT	2D	Line	RD	BR	BarrierTopTunnel	*Barrier Top Tunnel*
TNBF	2D	Line	RD	BR	BarrierFaceTunnel	*Barrier Face Tunnel*
TNCB	2D	Point	DR	ST	CatchBasinTunnel	*Catch Basin Tunnel*
TNCBT	2D	Line	RD	CG	CurbTopTunnel	*Curb Top Tunnel*
TNCF	2D	Line	RD	CG	CurbFaceTunnel	*Curb Face Tunnel*
TNCFTI	2D	Line	RD	CG	CurbTrafficIsFaceTunnel	*Curb Traffic Island Face Tunnel*
TNCL	2D	Line	ST	BG	TunnelCenterLine	*Tunnel Center Line*
TND	2D	Point	DR	ST	DrainTunnel	*Drain Tunnel*
TNGI	2D	Point	DR	ST	GrateInletTunnel	*Grate Inlet Tunnel*
TNGR	2D	Line	RD	BR	GuardRailTunnel	*Guard Rail Tunnel*
TNLMT	2D	Line	ST	BG	TunnelLimits	*Tunnel Limits*
TNMH	2D	Point	DR	ST	ManholeTunnel	*Manhole Tunnel*
TNPB	2D	Line	BL	LN	PvmntBreakTunnel	*Pvmnt Break Tunnel*
TNRAIL	2D	Line	ST	BG	TunnelRail	*Tunnel Rail*
TNSC	2D	Point	ST	BG	TunnelSupportColumn	*Tunnel Support Column*
TNSF	2D	Point	TR	SG	Transformer	*Transformer*
TNSW	2D	Line	RD	CG	SidewalkTunnel	*Sidewalk Tunnel*
TNSWB	2D	Line	RD	CG	SidewalkBackTunnel	*Sidewalk Back Tunnel*
TP	2D	Point	UT	CM	TelephonePole	*Telephone Pole*
TPL	3D	Line	BL	LN	TopographyLimit	*Topography Limit*
TPLC	3D	Line	BL	LN	TopographyLimitClosed	*Topography Limit Closed*
TPOL	2D	Point	TR	IL	TimberPole	*Timber Pole*

S2.03 Alphabetical Listing of Field Codes

The alphabetical listing below provides a complete list of standard survey elements by field code. The name of the element is prepended with a Category code and Sub-Category code to help organize symbology.

Field Code	2D/3D	P/L	Cat.	Sub-Cat.	Element Name	Description
TRAIL	3D	Line	TP	MM	Trail	*Trail*
TRCAN	2D	Point	TR	SN	TrussCantilever	*Truss Cantilever*
TRF	3D	Line	BL	LN	TransverseFeature	*Transverse Feature*
TRFCB	2D	Point	TR	TS	TransformerCabinet	*Transformer Cabinet*
TRSGBG	2D	Point	TR	SN	TrussSignBridge	*Truss Sign Bridge*
TS	3D	Line	TP	NT	TidalShoreline	*Tidal Shoreline*
TSB	2D	Point	TR	SG	SignalBoxUnknown	*Signal Box Unknown*
TSL	2D	Point	TR	SG	SignalLoopUnknown	*Signal Loop Unknown*
TTCAB	2D	Point	TR	TS	TerminalCabinet	*Terminal Cabinet*
TUN	2D	Line	ST	BG	Tunnel	*Tunnel*
TVCB	2D	Point	TR	TS	CCTVControlCabinet	*CCTV Control Cabinet*
TWLT	3D	Line	RD	MK	LineTwoWayLtTurn	*Line Two Way Lt Turn*
TWLTDN	2D	Line	RD	MK	LineTwoWayLtTurnDNC	*Line Two Way Lt Turn DNC*
UBX	2D	Point	UT	GU	UtilityBox	*Utility Box*
UCAB	2D	Line	UT	CM	UndGndCableTV	*Under Ground Cable TV*
UCABDA	2D	Line	UT	CM	UndGndCableTVDeactive	*Under Ground Cable TV Deactive*
UCB	2D	Point	UT	CM	UndGndCableBox	*Under Ground Cable Box*
UCL	2D	Line	UT	CM	UndGndCommLine	*Under Ground Communication Line*
UCP	2D	Point	TR	SG	UtilityCompanyPedestal	*Utility Company Pedestal*
UDL	2D	Point	TR	IL	LuminaireUnderdeck	*Luminaire Underdeck*
UDRL	2D	Line	DR	PP	UnderDrainLine	*Under Drain Line*
UDRLDA	2D	Line	DR	PP	UnderDrainLineDeactive	*Under Drain Line Deactive*
UGUTSTR	2D	Line	UT	GU	UnderGndUtilityStructure	*Under Ground Utility Structure*
ULOBJ	2D	Line	TP	NT	UnknownLinearObject	*Unknown Linear Object*
ULOBJCT	2D	Line	TP	MM	UnknownLinearObject	*Unknown Linear Object*
UMP	2D	Point	UT	GU	UtilityMarkerPost	*Utility Marker Post*
UOBJ	2D	Point	TP	NT	UnknownObject	*Unknown Object*
UOBJCT	2D	Point	TP	MM	UnknownObject	*Unknown Object*
UOFC	2D	Line	UT	CM	UndGndFiberOptic	*Under Ground Fiber Optic*
UOFCDA	2D	Line	UT	CM	UndGndFiberOpticDeactive	*Under Ground Fiber Optic Deactive*
UP	2D	Point	UT	GU	UtilityPole	*Utility Pole*
UPD	2D	Point	UT	CM	UnknownPedestal	*Unknown Pedestal*
UPOW	2D	Line	UT	PW	UndGndPowerLine	*Under Ground Power Line*
UPOWDA	2D	Line	UT	PW	UndGndPowerLineDeactive	*Under Ground Power Line Deactive*

S2.03 Alphabetical Listing of Field Codes

The alphabetical listing below provides a complete list of standard survey elements by field code. The name of the element is prepended with a Category code and Sub-Category code to help organize symbology.

Field Code	2D/3D	P/L	Cat.	Sub-Cat.	Element Name	Description
USHLD	2D	Point	TR	SN	USRouteShield	*US Route Shield*
UST	2D	Line	DR	PP	StormSewerLine	*Storm Sewer Line*
USTDA	2D	Line	DR	PP	StormSewerLineDeactive	*Storm Sewer Line Deactive*
UTANK	2D	Point	UT	WT	UndGndTank	*Under Ground Tank*
UTB	2D	Point	UT	CM	UndGndTelephoneBox	*Under Ground Telephone Box*
UTEL	2D	Line	UT	CM	UndGndTelephoneCable	*Under Ground Telephone Cable*
UUDA	2D	Line	UT	MT	UndGndUtilMultiDeactive	*Under Ground Utilities Multiple Deactive*
UULINE	2D	Line	UT	GU	UnderGndUtilityLine	*Under Ground Utility Line*
UULINED	2D	Line	UT	GU	UndGndUtilityLineDeactive	*Under Ground Utility Line Deactive*
UUM	2D	Line	UT	MT	UndGndUtilitiesMulti	*Under Ground Utilities Multiple*
VACNTRL	2D	Point	EV	IR	ValveAutoControl	*Valve Auto Control*
VAULT	2D	Point	UT	GU	UtilityVault	*Utility Vault*
VAULTC	2D	Point	UT	CM	UndGndCommunicationVault	*Under Ground Communication Vault New*
VAULTP	2D	Point	UT	PW	UndGndPowerVault	*Under Ground Power Vault*
VAULTW	2D	Point	UT	WT	UndGndWaterVault	*Under Ground Water Vault*
VB	2D	Point	UT	GU	Valvebox	*Valve Box*
VBALL	2D	Point	EV	IR	ValveBall	*Valve Ball*
VBSS	2D	Point	UT	SS	ValveBoxSanSewer	*Valve Box San Sewer*
VCP	2D	Point	PM	PH	PhotoVertControlPoint	*Photo Vertical Control Point*
VDC	2D	Point	EV	IR	ValveDoubleCheck	*Valve Double Check*
VENT	2D	Point	UT	GU	Vent	*Vent*
VENTG	2D	Line	TP	MM	VentGrate	*Vent Grate*
VG	2D	Point	UT	GS	ValveBoxGas	*Valve Box Gas*
VGATE	2D	Point	EV	IR	ValveGate	*Valve Gate*
VMS	2D	Point	TR	TS	VMSOverhead	*VMS Overhead*
VMSCB	2D	Point	TR	TS	VMSControlCabinet	*VMS Control Cabinet*
VMSSH	2D	Point	TR	TS	VMSShoulder	*VMS Shoulder*
VRA	2D	Point	UT	WT	ValveRelease	*Valve Release*
VW	2D	Point	UT	WT	ValveBoxWater	*Valve Box Water*
WAT	2D	Line	UT	WT	WaterLine	*Water Line*
WATCHN	2D	Line	TP	MM	WaterwayChannel	*Waterway Channel*
WATDA	2D	Line	UT	WT	WaterLineDeactive	*Water Line Deactive*
WC	3D	Line	RD	CG	CurbWoodenFace	*Curb Wooden Face*
WE	3D	Line	TP	NT	WaterEdge	*Water Edge*

S2.03 Alphabetical Listing of Field Codes

The alphabetical listing below provides a complete list of standard survey elements by field code. The name of the element is prepended with a Category code and Sub-Category code to help organize symbology.

Field Code	2D/3D	P/L	Cat.	Sub-Cat.	Element Name	Description
WEIR	3D	Line	TP	MM	Weir	*Weir*
WELL	2D	Point	TP	MM	Well	*Well*
WL	3D	Line	RD	MK	LineWide	*Line Wide*
WLB	2D	Line	EV	WL	BndryWetland	*Bndry Wetland*
WLDNC	2D	Line	RD	MK	LineWideDNC	*Line Wide DNC*
WLF	3D	Point	EV	WL	Flag	*Flag*
WLMH	2D	Line	EV	WL	WaterLineMeanHigh	*Water Line Mean High*
WLMHH	2D	Line	EV	WL	WaterLineMeanHigherHigh	*Water Line Mean Higher High*
WLML	2D	Line	EV	WL	WaterLineMeanLow	*Water Line Mean Low*
WLMLL	2D	Line	EV	WL	WaterLineMeanLowerLow	*Water Line Mean Lower Low*
WLS	3D	Line	RD	MK	LineSkipWide	*Line Skip Wide*
WLSDNC	2D	Line	RD	MK	LineSkipWideDNC	*Line Skip Wide DNC*
WLSF	2D	Point	EV	WL	WetlandSampleFlag	*Wetland Sample Flag*
WMB	2D	Point	UT	WT	WaterMeterBox	*Water Meter Box*
WPCK	2D	Point	TR	IL	WallpackLight	*Wallpack Light*
WTANK	2D	Point	TP	MM	WaterTank	*Water Tank*
WTT	2D	Point	UT	CM	WoodenTransmissionTower	*Wooden Transmission Tower*
WTTP	2D	Point	UT	PW	WoodenTransmissionTower	*Wooden Transmission Tower*
WW	3D	Line	DR	ST	WingWall	*Wing Wall*
WWB	3D	Line	DR	ST	WingWallBottom	*Wing Wall Bottom*
WWT	3D	Line	DR	ST	WingWallTop	*Wing Wall Top*
XHARC	2D	Point	TR	TS	HARControlCabinet	*HAR Control Cabinet*
YAHDa	2D	Point	RD	MK	YieldAheadSymbType1	*Yield Ahead Symbol Type 1*
YAHDb	2D	Point	RD	MK	YieldAheadSymbType2	*Yield Ahead Symbol Type 2*
YLDa	2D	Point	RD	MK	YieldSymbType1	*Yield Symbol Type 1*
YLDb	2D	Point	RD	MK	YieldSymbType2	*Yield Symbol Type 2*