

# WSDOT InRoads Feature Code Reference Fieldcodes by CODE with Level 3/20/2018

## 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

Field Code	Level Name	P/L	2D/3D
ABRM	RD_BM_AspphaltBerm	Line	3D
AC	RD_CG_CurbAsphaltFace	Line	3D
AD	DR_PP_AspphaltDitch	Line	3D
ADVWS	TR_TS_AdvancedWarningSign	Point	2D
AI	DR_ST_Arealnet	Point	3D
APB	BL_LN_AspphaltPvmntBreak	Line	3D
APP	BL_LN_PartiallyObscureArea	Line	3D
ARUC	TP_MM_AreaUnderConstr	Line	2D
ASMF	RD_MK_AerialSurvIncMarkFull	Point	3D
ASMH	RD_MK_AerialSurvIncMarkHalf	Point	3D
BA	RD_BR_BarrierCenter	Line	2D
BARRC	TR_SN_Barricade	Line	2D
BAS	ST_BG_BridgeApproachSlab	Line	3D
BAT	RD_BR_BarrierTop	Line	2D
BB	BL_LN_BankBottom	Line	3D
BBMP	TR_SN_SignBBoardMultiPost	Point	2D
BBSP	TR_SN_SignBBoardSnglPost	Point	2D
BCUL	DR_ST_BoxCulvert	Line	2D
BENCH	TP_MM_Bench	Line	2D
BF	RD_BR_BarrierFace	Line	3D
BH	TP_MM_BoreHoleorDrillHole	Point	2D
BIKE	RD_MK_BikeSymb	Point	2D
BIKEA	RD_MK_BikeSymbArrow	Point	2D
BIKEE	RD_ED_BikePathEdge	Line	3D
BIOF	EV_WL_BiofiltrationSwale	Line	3D
BKL	BL_LN_BreaklineGeneric	Line	3D
BL	RD_MK_LineBarrier	Line	3D
BLDNC	RD_MK_LineBarrierDNC	Line	2D
BLDR	EV_RH_Boulder	Point	2D
BM	PM_MN_BenchMark	Point	2D
BNKS	BL_LN_BanksLineforPlotting	Line	3D
BOL	RD_BR_Bollard	Point	2D
BPS	ST_BG_BackofPvmntSeat	Line	3D
BRAI	DR_ST_ArealnetBridge	Point	2D
BRAIL	ST_BG_BridgeRail	Line	2D
BRBF	RD_BR_BarrierFaceBridge	Line	2D
BRBT	RD_BR_BarrierTopBridge	Line	2D
BRCB	DR_ST_CatchBasinBridge	Point	2D
BRCBT	RD_CG_CurbTopBridge	Line	2D
BRCF	RD_CG_CurbFaceBridge	Line	2D
BRCFTI	RD_CG_CurbTraffclsFaceBridge	Line	2D
BRCL	ST_BG_BridgeCenterLine	Line	2D
BRD	DR_ST_DrainBridge	Point	2D
BRDKL	ST_BG_BridgeDeckLimits	Line	2D
BRDKS	ST_BG_BridgeDeckSelective	Point	2D
BREJ	ST_BG_BridgeExpansionJoint	Line	2D
BRF	ST_BG_BridgeFooting	Line	2D
BRFB	ST_BG_BridgeFootingBottom	Line	2D
BRG	ST_BG_Bridge	Line	2D
BRGI	DR_ST_GrateInletBridge	Point	2D

Field Code	Level Name	P/L	2D/3D
BRGR	RD_BR_GuardRailBridge	Line	2D
BRGRD	ST_BG_BridgeGirder	Line	2D
BRGTPD	ST_BG_BridgeGroutPad	Point	2D
BRMH	DR_ST_ManholeBridge	Point	2D
BRP	ST_BG_BridgePier	Line	2D
BRPB	BL_LN_PvmntBreakBridge	Line	2D
BRPC	ST_BG_BridgePierColumn	Point	2D
BRPCAP	ST_BG_BridgePierCapTop	Line	2D
BRPCB	ST_BG_BridgePierCapBottom	Line	2D
BRPCT	ST_BG_BridgePierColumnTop	Line	2D
BRSbD	TP_NT_BrushLine	Line	2D
BRSH	TP_NT_BrushLine3D	Line	3D
BRSS	ST_BG_BridgeSuperStructure	Line	2D
BRSUBS	ST_BG_BridgeSubStructure	Line	2D
BRSW	RD_CG_SidewalkBridge	Line	2D
BRSWB	RD_CG_SidewalkBackBridge	Line	2D
BSCK	PM_MN_BackSightCheck	Point	2D
BT	BL_LN_BankTop	Line	3D
BU	TP_MM_BuildingNotClosed	Line	3D
BUC	TP_MM_BuildingUnderConstOpen	Line	3D
BUCDNC	TP_MM_BuildingUnderConst2D	Line	2D
BUCINT	TP_MM_BuildingUnderConstClosed	Line	3D
BUDNC	TP_MM_Building2D	Line	2D
BUINT	TP_MM_BuildingClosed	Line	3D
BUR	TP_MM_BuildingRoof	Line	2D
C	BL_PT_Concreteselective	Point	3D
CAM	TR_TS_CCTVCamera	Point	2D
CANAL	TP_MM_Canal	Line	3D
CASE	EV_IR_Casing	Point	2D
CB	DR_ST_CatchBasin3D	Point	3D
CBaFL	DR_PP_CatchBasinFlowLine1	Point	2D
CBAR	RD_BR_CableBarrier	Line	2D
CBB	RD_CG_CurbBack	Line	3D
CBbD	DR_ST_CatchBasin	Point	2D
CBbFL	DR_PP_CatchBasinFlowLine2	Point	2D
CBcFL	DR_PP_CatchBasinFlowLine3	Point	2D
CBdFL	DR_PP_CatchBasinFlowLine4	Point	2D
CBeFL	DR_PP_CatchBasinFlowLine5	Point	2D
CBfFL	DR_PP_CatchBasinFlowLine6	Point	2D
CBgFL	DR_PP_CatchBasinFlowLine7	Point	2D
CBhFL	DR_PP_CatchBasinFlowLine8	Point	2D
CBLPD	UT_CM_CablePedestal	Point	2D
CBLV	TR_TS_CableVault	Point	2D
CBT	RD_CG_CurbTop	Line	3D
CCAB	TR_SG_ControllerCabinet	Point	2D
CCABI	TR_IL_ControllerCabinet	Point	2D
CCF	RW_SC_ClosingCornerFound	Point	2D
CCFN	RW_SC_ClosingCornerFoundNorth	Point	2D
CdFEW	RW_SC_QuarterCornerFoundEW	Point	2D
CdFNS	RW_SC_QuarterCornerFoundNS	Point	2D

Field Code	Level Name	P/L	2D/3D
CF	RD_CG_CurbFace	Line	3D
CFbD	RD_CG_CurbFace2D	Line	2D
CFTI	RD_CG_CurbTrafficIslandFace	Line	3D
CGF	RD_CG_CurbAndGutter	Line	3D
CHB	TP_NT_ChannelBreakline	Line	3D
CHECK	BL_PT_DTMCheck	Point	2D
CHUB	TR_TS_CommunicationsHub	Point	2D
CI	DR_ST_ConcreteInlet	Point	3D
CMI	DR_ST_CastMetalInlet	Point	3D
CNDI	TR_IL_ConduitandWiring	Line	2D
CNDS	TR_SG_ConduitandWiring	Line	2D
CNDTS	TR_TS_ConduitandWiringTS	Line	2D
CNT	TP_CN_IntermediateContour	Line	3D
CNTSEC	RW_SC_CenterofSection	Point	2D
CP	PM_MN_PrimaryControlPoint	Point	2D
CPB	BL_LN_ConcretePvmntBreak	Line	3D
CPNF	PM_MN_ControlPointNotFound	Point	2D
CR	BL_LN_CrownofRoad	Line	3D
CSA	EV_EC_ContractorSensitiveArea	Line	2D
CSP	TP_MM_ConcreteSlopeProtection	Line	3D
CTbD	RD_CG_CurbTop2D	Line	2D
CTRS	UT_GU_CenterOfStructure	Point	2D
CUL	DR_ST_Culvert	Line	2D
CUTB	BL_LN_CutBottom	Line	3D
CUTT	BL_LN_CutTop	Line	3D
CWDNC	RD_MK_LineCrosswalkDNC	Line	2D
CWL	RD_MK_LineCrosswalk	Line	2D
CZONE	RD_MC_ClearZoneInventoryBndry	Line	3D
DAM	TP_MM_Dam	Line	3D
DB	DR_PP_DitchBottomNoDir	Line	3D
DBB	DR_PP_DitchBottomBack	Line	3D
DBD	DR_PP_DitchBottom	Line	3D
DECK	TP_MM_Deck	Line	2D
DEL	RD_MK_LineDottedExtension	Line	3D
DELDNC	RD_MK_LineDottedExtensionDNC	Line	2D
DFLDD	UT_SS_DrainfieldDeactive	Line	2D
DGA	UT_GU_DownGuyAnchor	Point	2D
DI	DR_ST_DropInlet	Point	3D
Dlb	DR_ST_DropInletType2	Point	2D
DIKE	TP_MM_Dike	Line	3D
DIRP	DR_PP_DirectionofPipe	Point	3D
DLaTA	TR_SG_DetLoopType16x15	Point	2D
DLaTB	TR_SG_DetLoopType16x30	Point	2D
DLaTC	TR_SG_DetLoopType16x50	Point	2D
DLbT	TR_SG_DetLoopType26x6	Point	2D
DLcAT	TR_SG_DetLoopType3a	Point	2D
DLcT	TR_SG_DetLoopType3	Point	2D
DLD	TR_SG_DetLoopDiamond	Point	2D
DLL	RD_MK_LineDropLane	Line	3D
DLLDNC	RD_MK_LineDropLaneDNC	Line	2D

Field Code	Level Name	P/L	2D/3D
DM	RD_MK_DrainageMark	Point	3D
DMI	RD_MK_DrainageMarkInlet	Point	3D
DOCK	TP_MM_Dock	Line	2D
DP	DR_PP_DrainPipe	Line	2D
DPDA	DR_PP_DrainPipeDeactive	Line	2D
DPND	DR_PP_DetentionPond	Line	3D
DPNDB	DR_PP_DetentionPondBottom	Line	3D
DRL	DR_PP_DrainLine	Line	2D
DRLDA	DR_PP_DrainLineDeactive	Line	2D
DSTA	TR_TS_DataStation	Point	2D
DTIE	TP_MM_DistanceTie	Line	2D
DUDL	TR_IL_LuminaireDbIUnderdeck	Point	2D
DW	DR_ST_DryWell	Point	2D
DWL	RD_MK_LineDottedWide	Line	3D
DWLDNC	RD_MK_LineDottedWideDNC	Line	2D
DY	RD_MK_LineDbIYellowCenter	Line	3D
DYDNC	RD_MK_LineDbIYellowCenterDNC	Line	2D
EB	UT_PW_ElectBox	Point	2D
EBST	RD_ED_ShoulderBSTEdge	Line	3D
EDW	RD_ED_DrivewayEdge	Line	3D
EGDW	RD_ED_DrivewayGravelEdge	Line	3D
EGR	RD_ED_RoadwayETWGravel	Line	3D
EGS	RD_ED_ShoulderGravelEdge	Line	3D
EI	EV_WL_EstITidalHiSaltMarsh	Line	3D
EL	RD_MK_LineEdgeWhite	Line	3D
ELDNC	RD_MK_LineEdgeWhiteDNC	Line	2D
ELY	RD_MK_LineEdgeYellow	Line	3D
ELYDNC	RD_MK_LineEdgeYellowDNC	Line	2D
ENV DIT	EV_IR_Ditch	Line	3D
EP	RD_ED_RoadwayETWPaved	Line	3D
EPDW	RD_ED_DrivewayPavedEdge	Line	3D
EPS	RD_ED_ShoulderPavedEdge	Line	3D
ESBI	TR_IL_ElectricalServiceCab	Point	2D
ESUB	EV_WL_EstSTidalLoSaltMarsh	Line	3D
EW	TP_NT_LargeBodyofWaterEdge	Line	3D
EXaU	UT_MT_UtilitiesMultiTypes1	Line	2D
EXbU	UT_MT_UtilitiesMultiTypes2	Line	2D
EXcU	UT_MT_UtilitiesMultiTypes3	Line	2D
EXdU	UT_MT_UtilitiesMultiTypes4	Line	2D
EXeU	UT_MT_UtilitiesMultiTypes5	Line	2D
EXfU	UT_MT_UtilitiesMultiTypes6	Line	2D
EXgU	UT_MT_UtilitiesMultiTypes7	Line	2D
EXhU	UT_MT_UtilitiesMultiTypes8	Line	2D
EXiU	UT_MT_UtilitiesMultiTypes9	Line	2D
FC	RW_PA_FenceCorner	Point	2D
FDCP	UT_WT_FireDeptConnPost	Point	2D
FDCW	UT_WT_FireDeptConnWall	Point	2D
FE	RD_BR_Fence3D	Line	3D
FEbD	RD_BR_Fence	Line	2D
FENRW	RD_BR_FenceRWPlan	Line	2D

Field Code	Level Name	P/L	2D/3D
FH	UT_WT_FireHydrant	Point	2D
FLBCN	TR_SG_FlashingBeacon	Point	2D
FLD	TP_MM_FieldLine	Line	3D
FLFY	EV_WL_500YearFlood	Line	2D
FLOARR	TP_NT_FlowArrow	Point	2D
FLOY	EV_WL_100YearFlood	Line	2D
FLT	TR_IL_FluorescentLight	Point	2D
FLUME	DR_PP_Flume	Point	2D
FNDN	TP_MM_Foundation	Line	2D
FPOLE	TP_MM_FlagPole	Point	2D
FRST	TP_NT_Forest	Line	2D
FT	BL_LN_FillToe	Line	3D
FTOP	BL_LN_FillTop	Line	3D
FURN	EV_LS_Furnishings	Line	2D
G	BL_PT_Groundselective	Point	3D
GAS	UT_GS_GasLine	Line	2D
GASDA	UT_GS_GasLineDeactive	Line	2D
GATE	RD_BR_Gate	Point	3D
GATES	RD_BR_GateSingle	Point	3D
GBW	ST_WA_GabionWall	Line	3D
GBWB	ST_WA_GabionWallBottom	Line	3D
GBWT	ST_WA_GabionWallTop	Line	3D
GEO	TR_SN_WashingtonShield	Point	2D
GF	RD_CG_GutterFace	Line	3D
GI	DR_ST_GratelInlet	Point	3D
GMB	UT_GS_GasMeterBox	Point	2D
GP	RD_BR_GuidePost	Point	2D
GPA	TP_MM_GravelParkingArea	Line	3D
GPS	PM_MN_GlobalPositioningPoint	Point	2D
GR	RD_BR_Guardrail3D	Line	3D
GRA	RD_BR_GuardrailAnchor	Point	3D
GRbD	RD_BR_Guardrail	Line	2D
GROD	UT_PW_GroundRod	Point	2D
GTANK	TP_MM_GasTank	Point	2D
GUYL	UT_GU_GuyWire	Line	2D
GUYP	UT_GU_GuyPole	Point	2D
HARS	TR_TS_HARSign	Point	2D
HARTR	TR_TS_HARTransmitter	Point	2D
HDG	TP_MM_Hedge3D	Line	3D
HDGbD	TP_MM_Hedge	Line	2D
HDW	DR_ST_HeadWall	Line	3D
HDWB	DR_ST_HeadWallBottom	Line	3D
HDWT	DR_ST_HeadWallTop	Line	3D
HNDRAIL	TP_MM_HandRail	Line	2D
HPSS	RD_MK_HCapParkingSymb	Point	2D
HRX	EV_HR_HecRasXsec	Line	2D
HWL	TP_NT_HighWaterLine	Line	3D
IA	RD_BR_ImpactAttenuator	Point	2D
ICONT	TP_CN_IndexContour	Line	3D
ILTbM	TR_TS_InductionLoopType2Mod	Point	2D

Field Code	Level Name	P/L	2D/3D
INL	DR_ST_InletGeneric	Point	3D
INLC	EV_EC_InletCover	Point	2D
INLF	EV_EC_InletFilter	Point	2D
INLI	EV_EC_InletInsert	Point	2D
INLS	DR_ST_InletSlotted	Line	3D
IRBX	EV_IR_Box	Point	2D
IRC	EV_IR_Controller	Point	2D
IRLD	EV_IR_LineDrip	Line	2D
IRLL	EV_IR_LineLateral	Line	2D
IRLM	EV_IR_LineMain	Line	2D
IRLR	EV_IR_LineUnknown	Line	2D
IRM	EV_IR_Meter	Point	2D
IRSH	EV_IR_SprinklerHeadFull	Point	2D
IRSHH	EV_IR_SprinklerHeadHalf	Point	2D
IRSHTQ	EV_IR_SprinklerHead75	Point	2D
IRV	EV_IR_Valve	Point	2D
IS	PM_MN_GPPInstrumentStation	Point	2D
ISHLD	TR_SN_InterstateShield	Point	2D
ISTRE	TP_NT_IntermittentStream	Line	3D
JB	TR_IL_JBoxUnknown	Point	2D
JBAER	TR_IL_JBoxAerial	Point	2D
JBAERS	TR_SG_JBoxAerial	Point	2D
JBAERT	TR_TS_JBoxAerial	Point	2D
JBaT	TR_IL_JBox1	Point	2D
JBaTS	TR_SG_JBox1	Point	2D
JBaTT	TR_TS_JBox1	Point	2D
JBbT	TR_IL_JBox2	Point	2D
JBbTS	TR_SG_JBox2	Point	2D
JBbTT	TR_TS_JBox2	Point	2D
JBcT	TR_IL_JBox3	Point	2D
JBcTS	TR_SG_JBox3	Point	2D
JBdT	TR_IL_JBox4(Traffic-bearing)	Point	2D
JBdTS	TR_SG_JBox4(Traffic-bearing)	Point	2D
JBdTT	TR_TS_JBox4(Traffic-bearing)	Point	2D
JBeT	TR_IL_JBox5(Traffic-bearing)	Point	2D
JBeTS	TR_SG_JBox5(Traffic-bearing)	Point	2D
JBeTT	TR_TS_JBox5(Traffic-bearing)	Point	2D
JBfT	TR_IL_JBox6(Traffic-bearing)	Point	2D
JBfTS	TR_SG_JBox6(Traffic-bearing)	Point	2D
JBfTT	TR_TS_JBox6(Traffic-bearing)	Point	2D
JBgT	TR_IL_JBox7(NoLock)	Point	2D
JBgTS	TR_SG_JBox7(NoLock)	Point	2D
JBgTT	TR_TS_JBox7(NoLock)	Point	2D
JBhT	TR_IL_JBox8(WithLock)	Point	2D
JBhTS	TR_SG_JBox8(WithLock)	Point	2D
JBhTT	TR_TS_JBox8(WithLock)	Point	2D
JBM	RD_MK_JBoxMark	Point	2D
JBNMA	TR_IL_JBoxNema	Point	2D
JBNMAS	TR_SG_JBoxNema	Point	2D
JBNMAT	TR_TS_JBoxNema	Point	2D

Field Code	Level Name	P/L	2D/3D
JBS	TR_SG_JBoxUnknown	Point	2D
JBT	TR_TS_JBoxUnknown	Point	2D
JNT	RD_CG_Joint	Line	3D
L	TP_MM_YardLight	Point	2D
LAKE	TP_NT_LakeEdge	Line	3D
LB	EV_HR_LeftBank	Line	3D
LIMITM	TP_CN_MeasurementLimit	Line	2D
LL	RD_MK_LineLane	Line	3D
LLDNC	RD_MK_LineLaneDNC	Line	2D
LOB	EV_HR_LeftOverBank	Line	2D
LOG	EV_RH_Log	Line	2D
LOS	BL_LN_LineofSight	Line	2D
LPOLE	TR_IL_LightPole	Point	2D
LS	TR_IL_LightStdGeneric	Point	2D
LSDM	TR_IL_LightStdDbI Metal	Point	2D
LSDMS	TR_SG_LightStdDbI Metal	Point	2D
LSDT	TR_IL_LightStdDbI Timber	Point	2D
LSDTS	TR_SG_LightStdDbI Timber	Point	2D
LSEC	BL_LN_LIDARSection	Line	3D
LSQM	TR_IL_LightStdQuadMetal	Point	2D
LSQMS	TR_SG_LightStdQuadMetal	Point	2D
LSS	TR_SG_LightStdGeneric	Point	2D
LSSIXM	TR_IL_LightStdSixMetal	Point	2D
LSSIXMS	TR_SG_LightStdSixMetal	Point	2D
LSSM	TR_IL_LightStdSngI Metal	Point	2D
LSSMS	TR_SG_LightStdSngI Metal	Point	2D
LSST	TR_IL_LightStdSngI Timber	Point	2D
LSSTS	TR_SG_LightStdSngI Timber	Point	2D
LSTM	TR_IL_LightStdTriMetal	Point	2D
LSTMS	TR_SG_LightStdTriMetal	Point	2D
MB	TP_MM_MailBox	Point	2D
MCC	PM_MN_MonumentCaseandCover	Point	2D
MCF	RW_SC_MeanderCornerFound	Point	2D
MH	DR_ST_Manhole	Point	3D
MHC	UT_CM_Manhole	Point	3D
MHGU	UT_GU_UtilityManhole	Point	3D
MHPW	UT_PW_PowerManhole	Point	3D
MHSS	UT_SS_SanSewerManhole	Point	3D
MHT	UT_CM_TelephoneManhole	Point	3D
MHW	UT_WT_WaterManhole	Point	3D
MLN	TP_NT_MarshEdge	Line	3D
MNCTL	TR_SN_MonotubeCantilever	Point	2D
MNSBDG	TR_SN_MonotubeSignBridge	Point	2D
MON	PM_MN_MonumentFound	Point	2D
MONC	PM_MN_MonumentCalcd	Point	2D
MONNF	PM_MN_MonumentNotFound	Point	2D
MSTAS	TR_SG_MastArmSign	Point	2D
MSYM	EV_WL_WetlandSymb	Point	2D
MWEL	TP_MM_MonitorWell	Point	3D
NAV	TR_IL_NavigationLight	Point	2D



Field Code	Level Name	P/L	2D/3D
NB	RD_BM_NoiseBerm	Line	3D
NHMLL	EV_WL_WaterLineNrmHighMaxLkLvl	Line	2D
NOB	TP_NT_Obstruction	Line	2D
NPL	RD_MK_LineNoPass	Line	3D
NPLDNC	RD_MK_LineNoPassDNC	Line	2D
NS	BL_PT_NonStandard	Point	3D
NSL	BL_LN_NonStandard	Line	3D
NSTRE	TP_NT_StreamNonScalable	Line	3D
NW	ST_WA_NoiseWall	Line	2D
NWB	ST_WA_NoiseWallBottom	Line	3D
NWT	ST_WA_NoiseWallTop	Line	3D
OBS	BL_LN_ObscureArea	Line	3D
OCAB	UT_CM_AbvGndCableTV	Line	2D
OCL	UT_CM_AbvGndCommLine	Line	2D
OFR	DR_ST_OpenFlowRestrictor	Point	3D
OHTP	UT_PW_AbvGndHiTensPowerLine	Line	2D
OHW	EV_WL_WaterLineOrdinaryHigh	Line	2D
OHWF	EV_WL_WaterLineOrdinaryHighFlag	Point	2D
OIL	UT_GS_OilLine	Line	2D
OILDA	UT_GS_OilLineDeactive	Line	2D
OOFC	UT_CM_AbvGndFiberOpticCable	Line	2D
OPOW	UT_PW_AbvGndPower	Line	2D
ORCH	TP_MM_OrchardOrVineyard	Line	3D
OTANK	TP_MM_OilTank	Point	2D
OTEL	UT_CM_AbvGndTelephoneLine	Line	2D
OU	UT_MT_AbvGndUtilitiesMulti	Line	2D
OULINE	UT_GU_AboveGroundUtilityLine	Line	2D
OUPT	UT_GU_AboveGroundUtilityPoint	Point	2D
OVRSGN	TR_SN_OverheadSign	Point	2D
P	BL_PT_Pvmtntselective	Point	3D
PAR	TP_MM_PavedArea	Line	3D
PATH	RD_ED_PedPathEdge	Line	3D
PATIO	TP_MM_Patio	Line	2D
PBBP	TR_SG_PedPushButtonPost	Point	2D
PBOXI	TR_IL_PullBox	Point	2D
PBOXT	TR_TS_PullBox	Point	2D
PBUT	TR_SG_PedPushButton	Point	2D
PBX	UT_PW_PowerBox	Point	2D
PEM	EV_WL_EmergentFreshMarsh	Line	3D
PFO	EV_WL_Forested	Line	3D
PFRK	TR_IL_PitchforkLight	Point	2D
PH	UT_GU_PotholeLocation	Point	2D
PHCEN	PM_PH_PhotoCenter	Point	2D
PHCP	PM_PH_PhotoHorVertControlPoint	Point	2D
PHD	TR_SG_PedSignalHeadDbI	Point	2D
PHL	TR_SG_PedSignalHeadL	Point	2D
PHR	TR_SG_PedSignalHeadR	Point	2D
PHS	TR_SG_PedSignalHeadST	Point	2D
PHTIC	PM_PH_PhotoGridTic	Point	2D
PIEZ	TP_MM_Piezometer	Point	2D

Field Code	Level Name	P/L	2D/3D
PILE	TP_MM_Piling	Point	2D
PIPE	TP_MM_Pipe	Line	2D
PIPEFL	DR_PP_FlowLineForPipes	Point	2D
PLS	RD_MK_HOVSymb	Point	2D
PM	TP_MM_ParkingMeter	Point	2D
PMB	UT_PW_PowerMeterBox	Point	2D
PMPTD	TR_SG_EmergPreemptDet	Point	2D
PMPTI	TR_SG_EmergPreemptIndicator	Point	2D
POND	TP_NT_PondEdge	Line	3D
PONDB	TP_NT_PondBottom	Line	3D
POSTM	TP_MM_PostMetal	Point	2D
POSTW	TP_MM_PostWood	Point	2D
POW	EV_WL_OpenFreshPond	Line	3D
PP	UT_PW_PowerPole	Point	2D
PPA	TP_MM_PavedParkingArea	Line	3D
PPI	TR_IL_Pole	Point	2D
PPS	TR_SG_Pole	Point	2D
PROADEG	RD_ED_GenericEdgePaved	Line	3D
PROPC	RW_PA_PropertyCorner	Point	2D
PSS	EV_WL_ScrubShrub	Line	3D
QB	TP_MM_QuarryBndry	Line	3D
QSY	TP_MM_QuarrySymb	Point	2D
RB	EV_HR_RightBank	Line	3D
RBUbD	TP_MM_Ruins2D	Line	2D
RESV	TP_MM_Reservoir	Line	3D
RHA	EV_RH_Anchor	Point	2D
RIP	TP_MM_RipRapEdge	Line	3D
RIV	TP_NT_RiverEdge	Line	3D
RLL	RD_MK_LineReversibleLane	Line	3D
RLLDNC	RD_MK_LineReversibleLaneDNC	Line	2D
RMSG	TR_SG_RampMeterSignal	Point	2D
RMSGL	TR_SG_RampMeterSignalLT	Point	2D
RMSGRT	TR_SG_RampMeterSignalRT	Point	2D
ROADEGG	RD_ED_GenericEdgeGravel	Line	3D
ROB	EV_HR_RightOverBank	Line	2D
ROCK	BL_PT_Rock	Point	3D
ROCKL	BL_LN_RockLine	Line	3D
ROWM	RW_BD_RWMarker	Point	2D
ROWMC	RW_BD_RWMarkerCalcd	Point	2D
ROWMF	RW_BD_RWMarkerFound	Point	2D
ROWMNF	RW_BD_RWMarkerNotFound	Point	2D
RP	BL_PT_ReferencePoint	Point	2D
RPMaT	RD_MK_RaisedPvmntMarkerType1	Point	2D
RPMbT	RD_MK_RaisedPvmntMarkerType2	Point	2D
RPMcT	RD_MK_RaisedPvmntMarkerType3	Point	2D
RPML	RD_MK_LineRPMSkip	Line	3D
RPMLDNC	RD_MK_LineRPMSkipDNC	Line	2D
RPMLS	RD_MK_LineRPMSolid	Line	3D
RPMLSDNC	RD_MK_LineRPMSolidDNC	Line	2D
RR	TP_MM_RRCenterTracks3D	Line	3D

Field Code	Level Name	P/L	2D/3D
RRbD	TP_MM_RRCenterTracks	Line	2D
RRS	RD_MK_RRSymb	Point	2D
RRST	ST_BG_RRStructure	Line	2D
RRT	TP_MM_RRRailTop	Line	2D
RS	RD_MK_RumbleStrip	Line	2D
RWB	ST_WA_RetainingWallBottom	Line	3D
RWbD	ST_WA_RetainingWall	Line	2D
RWT	ST_WA_RetainingWallTop	Line	3D
SCAB	TR_SG_ElectServiceCabinet	Point	2D
SCDIBX	TR_TS_SCDIBox	Point	2D
SCF	RW_SC_SectionCornerFound	Point	2D
SCL	RD_MK_LineSkipCenter	Line	3D
SCLDNC	RD_MK_LineSkipCenterDNC	Line	2D
SE	TP_CN_SpotElevation	Point	3D
SEW	UT_SS_SanSewerLine	Line	2D
SEWDA	UT_SS_SanSewerLineDeactive	Line	2D
SF	BL_LN_StressFracture	Line	2D
SGDB	TR_SN_SignDblePost	Point	2D
SGFLW	TR_SN_SignFlushWall	Point	2D
SGNd	TR_SN_SignFourPost	Point	2D
SGNW	TR_SN_SignFromWall	Point	2D
SGP	TR_SG_SignalPoleUnknown	Point	2D
SGPaT	TR_SG_SignalStdType1or4	Point	2D
SGPbT	TR_SG_SignalStdType2	Point	2D
SGPcT	TR_SG_SignalStdType3	Point	2D
SGPeT	TR_SG_SignalStdType5	Point	2D
SGSNG	TR_SN_SignSnglPost	Point	2D
SGTR	TR_SN_SignTriplePost	Point	2D
SH	TR_SG_SignalHead	Point	2D
SHDSE	EV_IR_SprinklerHeadStripEnd	Point	2D
SHDSS	EV_IR_SprinklerHeadStripSide	Point	2D
SHDTC	EV_IR_SprinklerHeadStripCenter	Point	2D
SHDTF	EV_IR_SprinklerHead25	Point	2D
SHH	TR_SG_SignalHeadHoriz	Point	2D
SIGaTS	TR_TS_SignalType1	Point	2D
SIGbTS	TR_TS_SignalType2	Point	2D
SIGN	TR_SN_Sign	Point	2D
SL	RD_MK_LineStop	Line	2D
SLAB	TP_MM_ConcreteSlab	Line	3D
SLDNC	RD_MK_LineStopDNC	Line	2D
SLGHT	TR_IL_SignLight	Point	2D
SN	BL_PT_Sounding	Point	3D
SOILP	BL_PT_SoilPit	Point	3D
SPA	TR_IL_StrmPoleAnchor	Point	2D
SPAS	TR_SG_StrmPoleAnchor	Point	2D
SPB	TP_MM_StockpileBottom	Line	3D
SPG	DR_PP_Spring	Line	3D
SPT	TP_MM_StockpileTop	Line	3D
SRSHLD	TR_SN_StateRouteShield	Point	2D
SSCO	UT_SS_SanSewerCleanOut	Point	3D

Field Code	Level Name	P/L	2D/3D
SSF	EV_WL_ScrubShrubForested	Line	2D
SSFLP	UT_SS_FlowlinePoint	Point	2D
STAIR	TP_MM_Stair	Line	2D
STMCO	DR_ST_StormSewerCleanOut	Point	3D
STRCT	TP_MM_Structure	Line	2D
STRE	TP_NT_StreamScaleableEdge	Line	3D
STREB	TP_NT_StreamScaleableBottom	Line	3D
STRECL	EV_HR_StreamCenterline	Line	3D
STT	UT_CM_SteelTransmissionTower	Point	2D
STTP	UT_PW_SteelTransmissionTower	Point	2D
STUbD	ST_BG_Structure	Line	2D
STUMP	TP_NT_Stump	Point	2D
SW	RD_CG_Sidewalk	Line	3D
SWB	RD_CG_SidewalkBack	Line	3D
SWF	RD_CG_SidewalkFace	Line	3D
SWR	RD_CG_SidewalkRamp	Line	3D
SWTA	EV_WL_StormWaterTrtmnt	Line	3D
T	TP_NT_Tree3DByCenter	Point	3D
TABS	RD_MK_TrafficArrowType5BigS	Point	2D
TAL	RD_MK_TrafficArrowType2L	Point	2D
TALF	RD_MK_TrafficArrowType6L	Point	2D
TALR	RD_MK_TrafficArrowType4LR	Point	2D
TALRS	RD_MK_TrafficArrowType7LRS	Point	2D
TALS	RD_MK_TrafficArrowType3LS	Point	2D
TANK	TP_MM_Tank	Point	2D
TANKL	TP_MM_TankLine	Line	2D
TAR	RD_MK_TrafficArrowType2R	Point	2D
TARALC	RD_MK_TrafficArrowRATypeLC	Point	2D
TARALT	RD_MK_TrafficArrowRATypeLT	Point	2D
TARALTC	RD_MK_TrafficArrowRATypeLTC	Point	2D
TARALTR	RD_MK_TrafficArrowRATypeLTR	Point	2D
TARALTRC	RD_MK_TrafficArrowRATypeLTRC	Point	2D
TARAT	RD_MK_TrafficArrowRATypeT	Point	2D
TARATC	RD_MK_TrafficArrowRATypeTC	Point	2D
TARATR	RD_MK_TrafficArrowRATypeTR	Point	2D
TARATRC	RD_MK_TrafficArrowRATypeTRC	Point	2D
TARF	RD_MK_TrafficArrowType6R	Point	2D
TARS	RD_MK_TrafficArrowType3RS	Point	2D
TAS	RD_MK_TrafficArrowType1S	Point	2D
TbD	TP_NT_TreeByCenter	Point	2D
TbDE	TP_NT_TreeByEdge	Point	2D
TBM	PM_MN_TempBenchMark	Point	2D
TBRP	TR_SG_TimberPole	Point	2D
TBTH	UT_CM_TelephoneBooth	Point	2D
TBUT	RD_MK_TrafficButton	Point	2D
TBX	UT_CM_TelephoneBox	Point	2D
TCP	PM_MN_TempControlPoint	Point	2D
TELPD	UT_CM_TelephonePedestal	Point	2D
TH	TP_NT_Thalweg	Line	3D
TL	TP_NT_TreeLine3D	Line	3D

Field Code	Level Name	P/L	2D/3D
TLbD	TP_NT_TreeLine	Line	2D
TLET	RD_MK_OnlySymbol	Point	2D
TNAI	DR_ST_AreaInletTunnel	Point	2D
TNBAT	RD_BR_BarrierTopTunnel	Line	2D
TNBF	RD_BR_BarrierFaceTunnel	Line	2D
TNCB	DR_ST_CatchBasinTunnel	Point	2D
TNCBT	RD_CG_CurbTopTunnel	Line	2D
TNCF	RD_CG_CurbFaceTunnel	Line	2D
TNCFTI	RD_CG_CurbTrafficIsFaceTunnel	Line	2D
TNCL	ST_BG_TunnelCenterLine	Line	2D
TND	DR_ST_DrainTunnel	Point	2D
TNGI	DR_ST_GrateInletTunnel	Point	2D
TNGR	RD_BR_GuardRailTunnel	Line	2D
TNLMT	ST_BG_TunnelLimits	Line	2D
TNMH	DR_ST_ManholeTunnel	Point	2D
TNPB	BL_LN_PvmtBreakTunnel	Line	2D
TNRAIL	ST_BG_TunnelRail	Line	2D
TNSC	ST_BG_TunnelSupportColumn	Point	2D
TNSF	TR_SG_Transformer	Point	2D
TNSW	RD_CG_SidewalkTunnel	Line	2D
TNSWB	RD_CG_SidewalkBackTunnel	Line	2D
TP	UT_CM_TelephonePole	Point	2D
TPL	BL_LN_TopographyLimit	Line	3D
TPLC	BL_LN_TopographyLimitClosed	Line	3D
TPOL	TR_IL_TimberPole	Point	2D
TRAIL	TP_MM_Trail	Line	3D
TRCAN	TR_SN_TrussCantilever	Point	2D
TRF	BL_LN_TransverseFeature	Line	3D
TRFCB	TR_TS_TransformerCabinet	Point	2D
TRSGBG	TR_SN_TrussSignBridge	Point	2D
TS	TP_NT_TidalShoreline	Line	3D
TSB	TR_SG_SignalBoxUnknown	Point	2D
TSL	TR_SG_SignalLoopUnknown	Point	2D
TTCAB	TR_TS_TerminalCabinet	Point	2D
TUN	ST_BG_Tunnel	Line	2D
TVCB	TR_TS_CCTVControlCabinet	Point	2D
TWLT	RD_MK_LineTwoWayLtTurn	Line	3D
TWLTDNC	RD_MK_LineTwoWayLtTurnDNC	Line	2D
UBX	UT_GU_UtilityBox	Point	2D
UCAB	UT_CM_UndGndCableTV	Line	2D
UCABDA	UT_CM_UndGndCableTVDeactive	Line	2D
UCB	UT_CM_UndGndCableBox	Point	2D
UCL	UT_CM_UndGndCommLine	Line	2D
UCP	TR_SG_UtilityCompanyPedestal	Point	2D
UDL	TR_IL_LuminaireUnderdeck	Point	2D
UDRL	DR_PP_UnderDrainLine	Line	2D
UDRLDA	DR_PP_UnderDrainLineDeactive	Line	2D
ULOBJM	TP_MM_UnknownLinearObject	Line	2D
ULOBJN	TP_NT_UnknownLinearObject	Line	2D
UMP	UT_GU_UtilityMarkerPost	Point	2D

Field Code	Level Name	P/L	2D/3D
UOBJM	TP_MM_UnknownObject	Point	2D
UOBJN	TP_NT_UnknownObject	Point	2D
UOFC	UT_CM_UndGndFiberOptic	Line	2D
UOFCDA	UT_CM_UndGndFiberOpticDeactive	Line	2D
UP	UT_GU_UtilityPole	Point	2D
UPD	UT_CM_UnknownPedestal	Point	2D
UPOW	UT_PW_UndGndPowerLine	Line	2D
UPOWDA	UT_PW_UndGndPowerLineDeactive	Line	2D
USHLD	TR_SN_USRouteShield	Point	2D
UST	DR_PP_StormSewerLine	Line	2D
USTDA	DR_PP_StormSewerLineDeactive	Line	2D
UTANK	UT_WT_UndGndTank	Point	2D
UTB	UT_CM_UndGndTelephoneBox	Point	2D
UTEL	UT_CM_UndGndTelephoneCable	Line	2D
UUDA	UT_MT_UndGndUtilMultiDeactive	Line	2D
UULINE	UT_GU_UnderGndUtilityLine	Line	2D
UULINEDA	UT_GU_UndGndUtilityLineDeactive	Line	2D
UUM	UT_MT_UndGndUtilitiesMulti	Line	2D
VACNTRL	EV_IR_ValveAutoControl	Point	2D
VAULT	UT_GU_UtilityVault	Point	2D
VAULTC	UT_CM_UndGndCommunicationVault	Point	2D
VAULTPW	UT_PW_UndGndPowerVault	Point	2D
VAULTW	UT_WT_UndGndWaterVault	Point	2D
VB	UT_GU_Valvebox	Point	2D
VBALL	EV_IR_ValveBall	Point	2D
VBSS	UT_SS_ValveBoxSanSewer	Point	2D
VCP	PM_PH_PhotoVertControlPoint	Point	2D
VDC	EV_IR_ValveDoubleCheck	Point	2D
VENT	UT_GU_Vent	Point	2D
VENTG	TP_MM_VentGrate	Line	2D
VG	UT_GS_ValveBoxGas	Point	2D
VGATE	EV_IR_ValveGate	Point	2D
VMS	TR_TS_VMSOverhead	Point	2D
VMSCB	TR_TS_VMSControlCabinet	Point	2D
VMSSH	TR_TS_VMSShoulder	Point	2D
VRA	UT_WT_ValveRelease	Point	2D
VW	UT_WT_ValveBoxWater	Point	2D
WAT	UT_WT_WaterLine	Line	2D
WATDA	UT_WT_WaterLineDeactive	Line	2D
WC	RD_CG_CurbWoodenFace	Line	3D
WE	TP_NT_WaterEdge	Line	3D
WEIR	TP_MM>Weir	Line	3D
WELL	TP_MM_Well	Point	2D
WL	RD_MK_LineWide	Line	3D
WLB	EV_WL_BndryWetland	Line	2D
WLDNC	RD_MK_LineWideDNC	Line	2D
WLF	EV_WL_Flag	Point	3D
WLMH	EV_WL_WaterLineMeanHigh	Line	2D
WLMHH	EV_WL_WaterLineMeanHigherHigh	Line	2D
WLML	EV_WL_WaterLineMeanLow	Line	2D

Field Code	Level Name	P/L	2D/3D
WLMML	EV_WL_WaterLineMeanLowerLow	Line	2D
WLS	RD_MK_LineSkipWide	Line	3D
WLSDNC	RD_MK_LineSkipWideDNC	Line	2D
WLSF	EV_WL_WetlandSampleFlag	Point	2D
WMB	UT_WT_WaterMeterBox	Point	2D
WPCK	TR_IL_WallpackLight	Point	2D
WTANK	TP_MM_WaterTank	Point	2D
WTT	UT_CM_WoodenTransmissionTower	Point	2D
WTTP	UT_PW_WoodenTransmissionTower	Point	2D
WW	DR_ST_WingWall	Line	3D
WWB	DR_ST_WingWallBottom	Line	3D
WWT	DR_ST_WingWallTop	Line	3D
XHARC	TR_TS_HARControlCabinet	Point	2D
YAHDa	RD_MK_YieldAheadSymbType1	Point	2D
YAHDb	RD_MK_YieldAheadSymbType2	Point	2D
YLDa	RD_MK_YieldSymbType1	Point	2D
YLDb	RD_MK_YieldSymbType2	Point	2D