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## Feature Codes – Titles Only

Design Manual  
Chapter 40  
Design Survey  
Specifications

Originally Issued: 09-30-11

Revised: 01-22-15

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AST - Above Ground Storage Tank  
BB - Billboards  
BBB - Bottom of Bridge Beam  
BCL - Bridge Centerline  
BD - Bridge Deck  
BIN - Grain Bins, Corn Cribs, Etc.  
BL - Breakline (Field)  
BLD - Building  
BLS - Bridge Low Steel  
BM - Benchmark  
BNK - Stream Banks  
BRG - Bridge  
C - Center of Road  
CAV - Cave  
CEL - Cell Phone Tower  
CIS - Cistern  
CON - Concrete or AC Slab  
CP - Control Point  
CRP - Corporation Line  
CS - Curve to Spiral  
CU - Curb  
CUL - Culverts  
D - Draws, Side Ditches, Gutter Water Flow or Surface Water Flow Downstream  
DAB - Drainage Area Boundary  
DIK - Center of Dike or Dam  
DTM - Photogrammetry Control Check  
DU - Draws, Side Ditches, Gutter Water Flow or Surface Water Flow Upstream  
EB - Electrical Box  
EG - Edge of Gravel Road  
EL1B, EL2B, EL3B, EL4B, EL5B - Underground Electric Line (Quality B)  
EL1C, EL2C, EL3C, EL4C, EL5C - Underground Electric Line (Quality C)

**EL1D, EL2D, EL3D, EL4D, EL5D - Underground Electric Line (Quality D)****ENP - Edge of Entrance, Paved****ENT - Entrance****ENU - Edge of Entrance, Unpaved****EP - Edge of Pavement****EW - Edge of Water****FCL - Chain Link or Security Fence****FENO - FENO Control Monument****FHD - Fire Hydrant****FLG - Flag Pole****FO1B, FO2B, FO3B, FO4B, FO5B thru FO15B - Underground Fiber Optic Line (Quality B)****FO1C, FO2C, FO3C, FO4C, FO5C thru FO15C - Underground Fiber Optic Line (Quality C)****FO1D, FO2D, FO3D, FO4D, FO5D thru FO15D - Underground Fiber Optic Line (Quality D)****FP - Filler Pipe****FW - Wire Fence (Woven, Barb or High Tension)****FWD - Wood Fence****GDL - Guardrail****GH1B, GH2B, GH3B, GH4B, GH5B thru GH10B - Underground Gas High Pressure Line (Quality B)****GH1C, GH2C, GH3C, GH4C, GH5C thru GH10C - Underground Gas High Pressure Line (Quality C)****GH1D, GH2D, GH3D, GH4D, GH5D thru GH10D - Underground Gas High Pressure Line (Quality D)****GL1B, GL2B, GL3B, GL4B, GL5B thru GL10B - Underground Gas Line (Quality B)****GL1C, GL2C, GL3C, GL4C, GL5C thru GL10C - Underground Gas Line (Quality C)****GL1D, GL2D, GL3D, GL4D, GL5D thru GL10D - Underground Gas Line (Quality D)****GP - Guard Posts (Less Than 4 Posts)****GPR - Guard Posts (4 or More Posts)****GR - Ground Shots (Field Survey)****GRV - Grave****GU - Gutter****GV - Gas Valve or Vent****HDG - Hedge****HS - Hydric Soil****HT - Highline Tower****IN - Single Grate Intake****IN - RA Type Intake****INB - Intake (Beehive)****LC - Lot Corner****LIN - LINE****LP - LP Tank****LUM - Luminaire**

**MH - Manhole**  
**MIS - Miscellaneous**  
**MM - Mile Marker**  
**OUT - Outlet**  
**PC - Point of Curvature**  
**PCP - Photo Control Point**  
**PCT - Photo Control Target**  
**PIP - Pipe**  
**PI - Point of Intersection**  
**PL - Photo Location**  
**PLG - Photo Location General**  
**POC - Point on Curve**  
**POST - Point on Semi-Tangent (within curve limits)**  
**POT - Point on Tangent**  
**PPA, PPB, PPC, PPD, PPE - Power Pole**  
**PR - Power Riser Pole**  
**PRO - Top Steps, Porches, Bridge Abutment on CL**  
**PT - Curve to Tangent**  
**REF - Reference**  
**RET - Retaining Wall**  
**RIP - Rip-Rap**  
**ROC - Rock Outcropping**  
**ROW - Right-of-Way Rail**  
**RR - Railroad**  
**RRB - Railroad Signal Box**  
**RRF - Railroad Frog**  
**RRR - Railroad Rail**  
**RRS - Railroad Signal**  
**RRW - Railroad Switch**  
**RT - Radio Tower**  
**S - Soil Sampling Site**  
**SA1B, SA2B, SA3B, SA4B, SA5B - Underground Sanitary Sewer (Quality B)**  
**SA1C, SA2C, SA3C, SA4C, SA5C - Underground Sanitary Sewer (Quality C)**  
**SA1D, SA2D, SA3D, SA4D, SA5D - Underground Sanitary Sewer (Quality D)**  
**SBR - Size of Bridge**  
**SC - Spiral to Curve**  
**SCR - Section Corner**  
**SEP - Septic Tank**  
**SF - Silt Fence**

**SG - Staff Gauge**  
**SH - Paved Shoulder**  
**SHR - Shrub**  
**SI - Signs**  
**SL - Speed Limit Sign**  
**SLN - Approximate Section Line**  
**SLO - Silo**  
**SNK - Sink Hole**  
**SNP - Non-Paved Shoulder**  
**SOP - Size of Culvert or Pipe**  
**SP - Stream Profile**  
**ST - Spiral to Tangent**  
**ST1B, ST2B, ST3B, ST4B, ST5B - Underground Storm Sewer (Quality B)**  
**ST1C, ST2C, ST3C, ST4C, ST5C - Underground Storm Sewer (Quality C)**  
**ST1D, ST2D, ST3D, ST4D, ST5D - Underground Storm Sewer (Quality D)**  
**STP - Stump**  
**SWK - Sidewalk**  
**SWP - Swamp**  
**TA - Tower Anchor**  
**TBO - Telephone Booth**  
**TCB - Traffic Signal Control Box**  
**TDC - Deciduous Tree**  
**TDL - Traffic Detection Loop**  
**TER - Centerline of Terrace**  
**TEV - Tree Evergreen**  
**TFR - Tree Fruit**  
**TGP - Telegraph Pole**  
**TIL - Tile**  
**TL1B, TL2B, TL3B, TL4B, TL5B - Underground Telephone Line (Quality B)**  
**TL1C, TL2C, TL3C, TL4C, TL5C - Underground Telephone Line (Quality C)**  
**TL1D, TL2D, TL3D, TL4D, TL5D - Underground Telephone Line (Quality D)**  
**TLNL - Treeline Left**  
**TLNR - Treeline Right**  
**TOP - Top Bridge Pier**  
**TPA, TPB, TPC - Telephone Pole**  
**TPD - Telephone Pedestal**  
**TR - Telephone Riser Pole**  
**TRL - Centerline of Trail**  
**TS - Tangent to Spiral**

**TSB - Telephone Switch Box**  
**TSG - Traffic Signal**  
**TSL - Traffic Signal with Luminaire**  
**TV - Satellite dish**  
**TV1B, TV2B, TV3B, TV4B, TV5B - Underground TV Cable (Quality B)**  
**TV1C, TV2C, TV3C, TV4C, TV5C - Underground TV Cable (Quality C)**  
**TV1D, TV2D, TV3D, TV4D, TV5D - Underground TV Cable (Quality D)**  
**TVP - TV Pedestal**  
**TW - Top of Water**  
**UB - Utility Box**  
**UE - Utility Elevation**  
**UPH - Utility Pothole Location**  
**UST - Underground Storage Tanks**  
**UV - Utility Vault**  
**VS - Valley Section**  
**WC - Wild Card**  
**WEL - Well**  
**WHD - Water Hydrant**  
**WHU - Water Hookup**  
**WL1B, WL2B, WL3B, WL4B, WL5B - Underground Water Line (Quality B)**  
**WL1C, WL2C, WL3C, WL4C, WL5C - Underground Water Line (Quality C)**  
**WL1D, WL2D, WL3D, WL4D, WL5D - Underground Water Line (Quality D)**  
**WM - Wind Mill**  
**WND - Wind Turbine**  
**WV - Water Valve**

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

# Chronology of Changes to Design Manual Section:

## 040B-002 Feature Codes - Titles Only

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