

| ## Barrier ##                  |          | **=Included in DTM          |      |
|--------------------------------|----------|-----------------------------|------|
| Fence (Barbed Wire)            | FCB      |                             |      |
| Fence (Chain Link)             | FCCL     |                             |      |
| Fence (Wooden)                 | FCW      |                             |      |
| Fence (Woven Wire)             | FCWW     |                             |      |
| Fence Post 'X'                 | FCPO     | Center of Post              |      |
| Retaining Wall                 | RETW     | Center of Wall              |      |
| Stone Wall                     | STONEW   | Center of Wall              |      |
| ** Curb                        | C        | BK of Curb W/TW on right    |      |
| ** Curb and Gutter             | CG       | BK of Curb W/TW on right    |      |
| Guardrail                      | GD       | Shoot Rail side W/TW on Rt. |      |
| Cemetery Graveline             | CEMGL    |                             |      |
| Guard Fence Post               | GDPO     | Center of Post              |      |
| Guardrail (Top)                | GDT      | Shoot on Top of Rail        |      |
| ** Guardrail (Ground)          | GDB      | Shoot @ Ground next to Rail |      |
| ## Mapping Features ##         |          |                             |      |
| Railroad Crossbucks            | RRXB     |                             |      |
| Mailbox                        | MB       | Center of Base              |      |
| ## Roads and Rails ##          |          |                             |      |
| ** Public Road                 | RDPB     |                             |      |
| ** Private Road                | R DPR    | Use for Ent.                |      |
| ** Shoulder Line               | ES       |                             |      |
| ** Edge of Other               | OS       |                             |      |
| ** Edge of Gravel              | OG       |                             |      |
| T.W. of Bridge                 | BRTW     |                             |      |
| ** Parking Lot (paved)         | PKL      | Closed Figure               |      |
| ** Sidewalk                    | SW       | Edge of SW-Closed Figure    |      |
| Gutter of Bridge               | BG       |                             |      |
| Bridge Rail                    | BRR      |                             |      |
| Railroad                       | RR       | Shoot Center of Tracks      |      |
| ** R. R. Planking              | RRPL     | Closed Figure               |      |
| Top of Rail Elev               | RRTR     |                             |      |
| ** E.W.S. of Bridge            | EWS      |                             |      |
| ** Approach Slab               | SLAB     | Closed Figure               |      |
| ## Utilities (Above Ground) ## |          |                             |      |
| Manhole                        | MH       | Center of Top               |      |
| Catch Basin-Square             | CBS      | Center of Top               |      |
| Catch Basin-Round              | CBR      | Center of Top               |      |
| Fire Hydrant                   | FH       | Center of Top               |      |
| Gas Well                       | GW       | Center of Top               |      |
| Oil Well                       | OW       | Center of Top               |      |
| Water Hydrant                  | WH       | Center of Top               |      |
| Water Well                     | WW       | Center of Top               |      |
| Vent Pipe                      | VP       |                             |      |
| Fill Cap                       | FILLCAPG | For Underground Tanks       |      |
| Irrigation Pivot Point         | IRPOP    | Irrigation Wheel Path       | IRWP |
| Irrigation End Point           | IRPOE    | Irrigation End Path         | IREP |
| EPA Monitoring Well            | EPAW     | Mine                        | MINE |
| ## Utilities (Underground) ##  |          |                             |      |
| Gas Line                       | UGL      |                             |      |
| Oil Line                       | UOL      |                             |      |
| Power Cable                    | UPL      |                             |      |
| Sanitary Sewer                 | USS      |                             |      |
| Water Line                     | UWL      |                             |      |
| Telephone Cable                | UTE      |                             |      |
| Utilities Marker Sign          | UTLPO    |                             |      |
| TV Cable                       | UTV      |                             |      |
| Fiber Optic Cable              | UFO      |                             |      |
| Transformer Box                | UTBOX    | Center of Top               |      |
| ## Vegetation ##               |          |                             |      |
| Tree Row                       | TREEW    | Center of Row               |      |
| Evergreen Shrub                | EVERSB   | 2 Shots-Center & Radius     |      |
| Mixed Trees                    | TREEMIX  | Keep Trees to the Right     |      |
| Bush                           | BUSH     | 2 Shots-Center & Radius     |      |
| Orchard                        | ORCH     | Keep Trees to the Right     |      |
| Tree                           | TREE     | Center of tree              |      |
| Evergreen                      | EVER     | Center of tree              |      |
| Edge of Timber                 | ET       | Keep Trees to the Right     |      |
| Hedge Row                      | HEDGE    | Center of Row               |      |
| Tree Trunk                     | TRNK     | Center of Trunk             |      |
| Tree Stump                     | STMP     | Center of Stump             |      |
| Bushes-Deciduous               | BUSHD    | Keep Bushes to the Right    |      |
| Cropline                       | CROP     |                             |      |

| ## Digital Terrain Model ##    |          |                             |                 |
|--------------------------------|----------|-----------------------------|-----------------|
| ** Breaklines                  | BKL      |                             |                 |
| ** Regular Contour Points      | CP       |                             |                 |
| ** Spot Elevation              | SPOT     | Top of Hill-Bottom of Hole  |                 |
| ## Surveys and Boundaries ##   |          |                             |                 |
| Right of Way Marker            | RWMKR    | Center of Top               |                 |
| Section Corner                 | COR      |                             |                 |
| Bench Mark                     | BM       |                             |                 |
| ## Drainage ##                 |          |                             |                 |
| ** Stream                      | SB       | Start Upstream-Work Down    |                 |
| ** Streambed Lt or Rt.         | SBLR     |                             |                 |
| ** River                       | RIVR     |                             |                 |
| ** Waters Edge                 | WE       | Keep Water on Right         |                 |
| ** Slope/Dam                   | SLPLN    | Shoot with Slope to the Rt. |                 |
| Culvert                        | CULV     | Use for Pipes also          |                 |
| Culvert Wings                  | WNG      | Use for Headwalls Also      |                 |
| ** Terrace Line                | TT       | Top of Terrace              |                 |
| Gutter Inlet                   | GUT      | Gutter then Lip             |                 |
| Ditch Plug                     | DTPLG    | 2 Shots-Near Point then Far |                 |
| ** Rip Rap Edge                | RIP      |                             |                 |
| Top of Opening                 | TO       | Spot Elev. on TO            |                 |
| Flowline Elev.                 | FL       | Spot Elev on FL             |                 |
| Streambed Elev.                | SBPT     | Spot Elev. on SB            |                 |
| Hubguard                       | HUB      | Spot Elev. on Hubguard      |                 |
| ## Signs ##                    |          |                             |                 |
| Sign (one post)                | SGN      | 2 Shots-Shoot Rt.-then Lt   |                 |
| Sign (two posts)               | SGND     | 2 Shots-Shoot Rt.-then Lt   |                 |
| Billboard                      | BLB      | 2 Shots-Shoot Rt.-then Lt   |                 |
| Billboard (lighted)            | BLBI     | 2 Shots-Shoot Rt.-then Lt   |                 |
| Dynamic Mess. Sign (one post)  | ITSIGNSP | 2 Shots-Shoot Rt.-then Lt   |                 |
| Dynamic Mess. Sign (dual post) | ITSIGNDP | 2 Shots-Shoot Rt.-then Lt   |                 |
| Dynamic Mess. Sign (dual face) | ITSIGNDF | 2 Shots-Shoot Rt.-then Lt   |                 |
| ITS Equipment Cabinet          | ITSEQUIP | 2 Shots-Shoot Rt.-then Lt   |                 |
| ## Structures ##               |          |                             |                 |
| Building-Orthogonal            | BLD      | Closed Figure               |                 |
| Building-Irregular             | BLDIR    | Closed Figure               |                 |
| Building-Church                | BLDCH    | Closed Figure               |                 |
| Building-School                | BLDSC    | Closed Figure               |                 |
| Building-Commercial            | BLDCOM   | Closed Figure               |                 |
| Building-Foundation            | BLDF     | Closed Figure               |                 |
| Building-House                 | HO       | Closed Figure               |                 |
| Building-Mobile Home           | HOMOB    | Closed Figure               |                 |
| Building-Garage                | BLDGAR   | Closed Figure               |                 |
| Building-Out Building          | BLDOUT   | Closed Figure               |                 |
| Building Overhang              | BLDOV    | Closed Figure               |                 |
| Deck                           | DECK     | Closed Figure               |                 |
| Tank-Square                    | TNK      | Closed Figure               |                 |
| Tank-Round                     | TANK     | 2 shots-Both sides          |                 |
| Silo                           | SILO     | 2 shots-Both sides          |                 |
| Propane Tank                   | PROPANE  | 2 shots-End to End          |                 |
| Grain Bin                      | BIN      | 2 shots-Both sides          |                 |
| Floor Elevation Point          | FLOOR    |                             |                 |
| Ground Elevation Point         | GND      |                             |                 |
| Flag Pole                      | FLAG     |                             |                 |
| Swimming Pool                  | POOL     | Closed Figure               |                 |
| ** Concrete Area               | CONC     | Closed Figure               |                 |
| ** Bituminous Area             | BIT      | Closed Figure               |                 |
| ** Edge of Concrete            | EC       |                             |                 |
| ** Edge of Asphalt             | EA       |                             |                 |
| ## Utility Poles ##            |          |                             |                 |
| Power Pole                     | PP       |                             |                 |
| Power and Tel Pol              | COMBO    |                             |                 |
| Light Pole                     | LP       |                             |                 |
| Telephone Pole                 | TELPO    |                             |                 |
| Light Tower                    | LTW      | Center                      |                 |
| Dead Man                       | DM       |                             |                 |
| Guy Pole                       | GUY      |                             |                 |
| Telephone Pedestal             | UTPED    |                             |                 |
| Water Meter                    | WM       | Center of Top               |                 |
| Gas Meter                      | GM       | Center of Top               |                 |
| Gas Valve                      | GV       | Center of Top               |                 |
| Water Valve                    | WV       | Center of Top               |                 |
| Cable TV Pedestal              | UTVPED   |                             |                 |
| F.O. Junc. Box                 | UFOBOX   |                             |                 |
| High Power Elec. Tower         | UETW     | Center                      | Revised 3/06/17 |