BURIAL DEPTHS FOR YARD PIPING AND ELECTRICAL LINES

These burial depths/utility separations apply outside of buildings within private property as mandated by code requirements as set forth in the 2019 YCABC.

**Burial Depths:**

**Water lines (private or public):**
- 12 inches below grade or 6 inches below frost line
- Up to 4500 feet elevation: 12 inches
- Above 4500 feet elevation: 18 inches
- Above 6500 feet elevation: 24 inches

*(Nonmetallic piping requires a blue insulated 18 AWG tracer wire with the piping)*

**Sewer lines (private or public):**
- Below finished grade: 12 inches

*(Sewer yard and Leach lines require a green insulated 18 AWG tracer wire with the piping)*

**Gas lines (metal):**
- Below finished grade: 12 inches

**Gas lines (plastic):**
- Below finished grade: 18 inches

*(Nonmetallic piping requires a yellow insulated 18 AWG tracer wire with the piping)*

**All electrical conduits except APS:**
- Per Table E3803.1, 2018 IRC

**Utility Separations:**

**Water to sewer:**
- 5 feet horizontal separation or water on shelf 12 inches above sewer on solid ledge to one side if using clay tiles.
- If approved plastic piping, no separation required.
  *(Ref: 2018 International Plumbing Code 603, 702.2, 702.3)*

**Gas to other utilities:**
- No separation requirements except for APS requirements.

APS separation requirements should be confirmed by APS prior to installation of yard lines crossing the APS line or in the same trench.

All utility lines must be firmly supported underneath with six (6”) inches of approved bedding material at time of inspection.

As Approved by The Advisory and Appeals Board, April 5, 2019