

# Proposed Changes to Colorado Springs Utility Line Extension and Service Standards

## Gas and Electric Line Extensions

March 4, 2010

---

In an effort to mitigate curb and gutter or asphalt distress in the area of gas and electric street crossings, and in response to the changes to the City of Colorado Springs' Pavement Design Manual, Colorado Springs Utilities is proposing a change to the Gas and Electric line extensions installation methods. The following options are proposed to be included for the Developer's choice of preferred gas and electric installation:

### **Option 1:**

The complete gas and electric line extensions for new residential developments be installed prior to the installation of curb and gutter, paving, and any required sub-grade stabilization.

### **Option 2:**

Only gas and electric crossings are installed prior to the installation of curb and gutter, paving, and any required sub-grade stabilization. The remainder of the infrastructure shall be installed once curb and gutter is in place. (Applicable only for joint trench projects). Colorado Springs Utilities will install the crossings, which will be pressurized to 125psig. Should the gas crossing loose air pressure before the connections, the Developer will be responsible for the costs incurred to replace the crossing.

For Options 1 and 2, the following site conditions will be required to be met prior to construction:

- Installation of all water and wastewater mains and service stubs, storm drains, and catch basins.
- Final grade provided to within 6-inches (2-inches for padmount transformers, vaults and junction boxes).
- Curb and gutter staking, with final grade and/or finished grade clearly marked. A curb waiver ("Utility Staking (Verification Form)") is required to be signed by Developer's representative verifying the installation of utility infrastructure relative to the grade stake references.
- No sub-grade stabilization has occurred.

### **Option 3 (non-preferred option):**

If the Developer elects to install curb and gutter, sub-grade stabilization or asphalt prior to the gas or electric infrastructure, they shall sign a waiver relieving Colorado Springs Utilities of all responsibility for the integrity of the street and curb and gutter. This will include settlement, cracking, heaving or any other distress. Colorado Springs Utilities will backfill and compact all trenches to meet the compaction requirements of the City or County Pavement Design Criteria.

---

Prior to implementing these installation standard changes, Colorado Springs Utilities would like to pilot Options 1 and 2, to evaluate schedule impacts, surveying requirements, and construction impacts. The Utilities' Field Engineering group will work with Developers to identify potential projects upon receiving the Line Extension Application.

After the pilot and process evaluation, the final approved installation options will be documented in the Gas and Electric Line Extension and Service Standards as part of the 2011 revision.

For additional information, please contact:

Sarah LaBarre, PE  
Colorado Springs Utilities  
Energy Technical Services  
719-668-4993  
[slabarre@csu.org](mailto:slabarre@csu.org)

Tim Benedict  
Colorado Springs Utilities  
Field Engineering North  
719-668-3574  
[tbenedict@csu.org](mailto:tbenedict@csu.org)

DRAFT