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|  | City of Casa Grande Development Center Policies & Procedures | Effective Date: February 2, 2015 |
| | Requirements for Detectable Underground Location Devices (Tracer Wires) | Date Reviewed: February 2, 2015 |
| | | Department of Primary Responsibility: Building Safety |
| | | Policy Number: B - BI - 001 - 2015 |

Arizona Revised Statutes Section 40-360.22.M states: "All new and active underground facilities installed in any real property after December 31, 2005 shall be installed with a detectable underground location device unless the facility is capable of being detected from above ground with an electronic locating device or the facility is installed within single family residential property and is beneath a pool, permanent pool decking that is less than forty-eight inches from the pool or a permanent building. A person who violates this subsection is subject to a civil penalty in an amount not to exceed five thousand dollars. The building official shall administer and enforce this subsection for all underground facilities except those that are installed for a public utility or municipal corporation. ..."

In the City of Casa Grande this rule will be applied as follows:

1. Plastic underground sewer piping shall have a continuous 18AWG copper tracer wire suitable for direct burial installed with and attached to the plastic piping material at ten foot (10') intervals maximum. This wire shall extend from the sewer pipe connection at the property line or right-of-way line to the connection at the building drain. This tracer wire shall terminate in a visible location twelve inches (12") above grade at the sewer/building drain connection.
2. Plastic underground water piping shall have a continuous 18 AWG copper tracer wire suitable for direct burial installed with and attached to the plastic piping material at ten foot (10') intervals maximum. This wire shall extend from the service connection at the meter box to the riser at the structure served. This tracer wire shall terminate in a visible location twelve inches (12") above grade at the water service riser. Landscaping irrigation water systems are not regulated by the International Plumbing Code downstream of the backflow prevention device and are not included in this rule.
3. Plastic gas piping shall have a tracer wire as specified in the 2012 International Fuel Gas Code Section 404.17.3.
4. The tracer wire color shall conform to the American Public Works Association Uniform Color Code for marking underground utility lines. (www.apwa.net)

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|  | White = Proposed Excavation |  | Orange = Communication, Alarm or Signal Lines, Cables or Conduit |
|  | Pink = Temporary Survey Markings |  | Blue = Potable Water |
|  | Red = Electric Power Lines, Cables, Conduit and Lighting Cables |  | Purple = Reclaimed Water, Irrigation and Slurry Lines |
|  | Yellow = Gas, Oil, Steam, Petroleum or Gaseous Materials |  | Green = Sewer and Drain Lines |