



Locator Qualification

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Every safety law or rule is written
in
BLOOD!

Spotsylvania County, Virginia 1998



Natural Gas and Hazardous Liquid Pipeline Locators

- Held to higher standard due to additional regulations and potential dangers associated with the product those pipelines carry if they are released
- The bar must be raised for ALL locators!
- Here is how the gas operators are getting there:

Operator Qualification for Natural Gas and Hazardous Liquid Pipeline Locators

- Original mandate in 1992
- Rule became effective in 1999
 - Negotiated rulemaking
- We continue to see issues...
 - Non-existing or ineffective training (unqualified contractors)
 - Failure to identify Abnormal Operating Conditions (“AOCs”) (locators, meter readers, etc.)

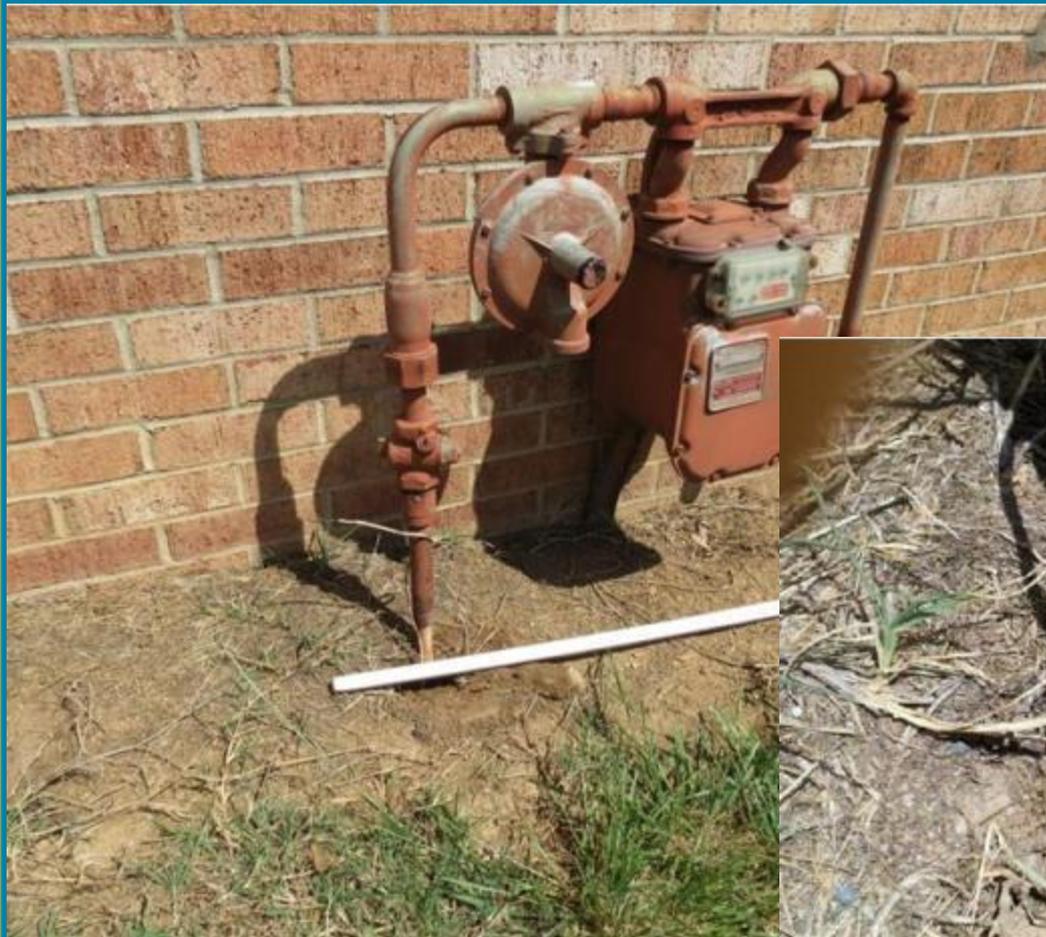
Service Lines under Structures



Venting and Tilted Meter



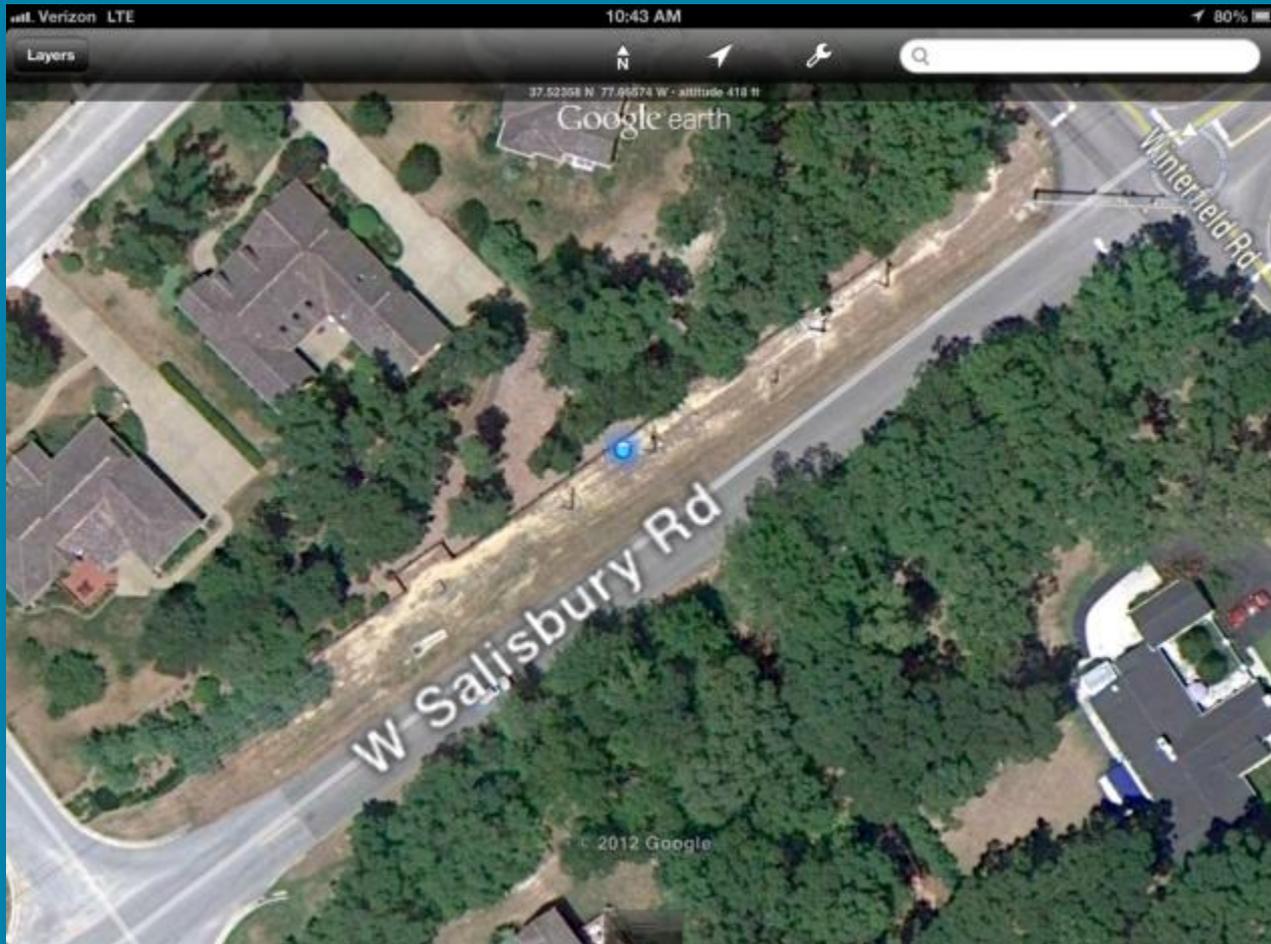
Exposed Plastic Pipe



Failure to Inspect Construction Activities



Locating OQ



Locating OQ



Locating OQ



Working with VA LDC's

- SCC LDC Executive Committee formed to address common issues such as OQ (Began in June 2011)
- All agreed that existing plans needed to be improved
- Management Steering team and subject matter expert (“SME”) teams were formed
- Began with Locating OQ (six subject matters currently underway)

Locating OQ Development Process

- NULCA standards were categorized into four Domains
- Drafted OQ testing materials (Knowledge Assessment)
- Test questions were written and reviewed by the group
- Hand on Skills Assessment procedures and criteria were developed
- Tests were validated by a third party vendor (PHD)
- Course curriculum development (underway by third party vendor)
- Classes will be scheduled





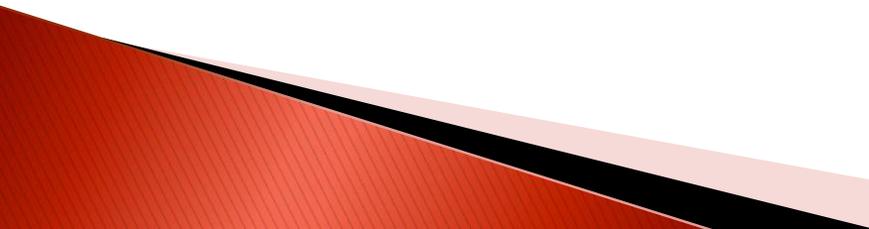
Electronic JSO Verified with e-Sketch

What is a JSO?

Job Safety Observation (JSO) is an onsite safety evaluation

- ▶ What is observed and recorded
 - Safety Practices
 - Vehicle & Equipment Inspection
 - Dig Safe Procedures
- ▶ Who performs a JSO
 - Managers & Supervisors
 - Safety Personnel
 - Quality Control Inspectors

JSO Verification

- ▶ Mobile application electronically records JSO with e-Sketch
 - ▶ E-Sketch validates the location of the observation
 - ▶ Vehicle GPS validates the duration of the observation
- 

JSO Mobile Application

JSO (Job Safety Observation) Entry

JSO Documents

Job Selection

Internal Job #: Customer Job #:

Job: JAMES WHITEHEAD, 1511 PICKFORD LN, BOWIE, MD 20716

Contract: VZSSP0171

Date: Verified On Site On Site Duration:

Crew:

Observer Vehicle:

Inspected Vehicle:

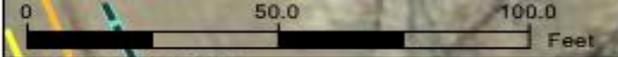
Observation Safety Items - items marked as N require corrective action be taken and noted

Inspection Status	#	Item	Corrective Action
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA	29	Tires	
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA	30	Safety Chains	
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA	31	Back Up Alarm	
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA	32	Trailer Hitch	
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA	33	Break Away Brake (Electric Brake Trailers)	
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA	34	Company Emblem	
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA	35	Equipment Number	
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA	36	Small Tools (Tamps, rakes, shovels, etc.)	
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA	37	Camera	
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA	38	Equipment Secured	
Group: 3) Dig Safe			
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA	39	Utilities Located	
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA	40	Utilities Spotted	
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA	41	Locate Ticket On Site	
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA	42	Positive Response	
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> NA	43	Proper Utilities Separation	

Record 39 of 43

Notes/Comments

Save Cancel Launch eSketch Copy Grid Export Grid to Excel



For Reference Only



Ticket Details	Marking Status	Technician Signature
Virtual Manifest™ Ticket #: N/A Completed By: e-Sketch User Completed On: 4/8/2013 10:36 AM G PlaceStamp™: 35.88996,-77.8213	<input checked="" type="checkbox"/> Paint <input type="checkbox"/> Flags <input type="checkbox"/> Offsets <input type="checkbox"/> Wood Stakes <input type="checkbox"/> Nylon Whiskers <input type="checkbox"/> Bonds and Closures Secured <input type="checkbox"/> Marking Schedule Established <input type="checkbox"/> Client to Locate / Respond <input type="checkbox"/> High Profile <input type="checkbox"/> Marked on Snow / Ice <input type="checkbox"/> Clear / Aerial <input type="checkbox"/> Bad Address <input type="checkbox"/> No Access	I certify that this information is correct. 

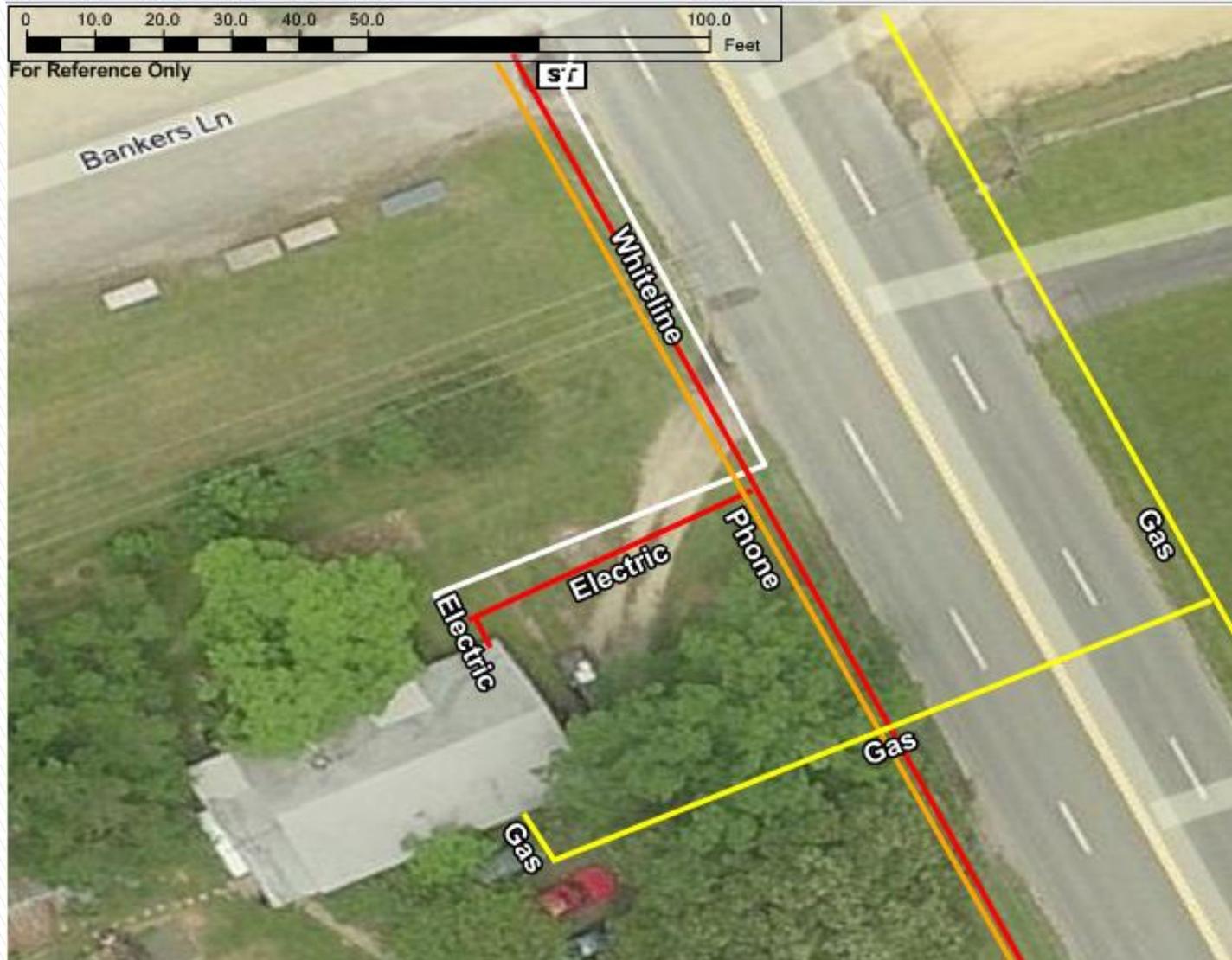
**Device GPS was available.
 Lat/Long was not available on Ticket
 Image GPS was Within Allowed Distance To GPS Device.**

Additional e-Sketch Applications



Pre-survey is performed and a white line is painted and drawn in e-Sketch

Additional e-Sketch Applications



Located utilities overlaid on whiteline

Additional e-Sketch Applications



As-built