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TR2014-02 – Cross Bore Determination and Mitigation

Practice Statement: Provide a central communications network as a conduit to report potential cross bores and promote safe mitigation of Cross Bores by the affected facility owner/operator(s) In conjunction with the Facility Owner Mitigation Programs.

Practice Description: When a foreign object, such as a conduit, cable or pipe is suspected to be within a non-pressurized underground facility or the operation of that facility is impaired, a report of a potential cross bore should be placed to a centralized point of contact (Communications Network). The central communications network may be a service sponsored by the underground Facility Owner/Operators or One Call Center. The central communications network notifies or provides the Facility Owner/Operators contact information in the vicinity of the report location. This allows the Facility Owner/Operators to respond to the request, consistent with their policy, to determine if their facility intersects the non-pressurized facility.

Definition:

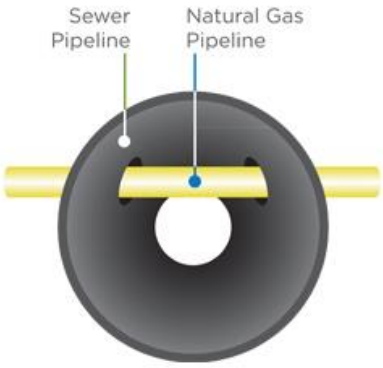
"**Cross Bore**" - an intrusion of an existing underground utility or underground structure by a second utility resulting in direct contact between the transactions of the utilities that compromises the integrity of either the utility or underground structure. (*Recommend addition of this definition to the BP Glossary)*

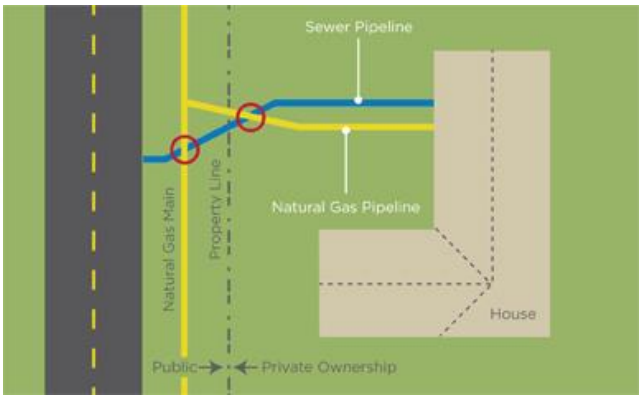
References: This practice is currently in place in Pennsylvania, Minnesota, Virginia, Wisconsin and others as well as through the regular Ticket process in other States and is performed in a number of different ways to convey the Potential CB report to the involved party and prevent injury to the drain cleaning professional and/or the property owner. A letter of support is attached from *(PAPHCC) Pennsylvania Association of Plumbing Heating Cooling Contractors* [Draft of letter submitted to their Board for approval]

Examples:

- Minnesota's "Call Before You Clear" program which operates as a stand-alone web-based system by the energy stakeholders which provides their contact information on the common website in Minnesota.
- Washington Gas uses an internal contact program linked to the One Call Center. An 811 Emergency Ticket is created when a Cross Bore is suspected in the States they serve.
- Pennsylvania "Call before you Clear" program operates directly through the One Call Center with notifications being processed and dispatched based on Practices put together by a Cross Bore Taskforce of Stakeholders.

ILLUSTRATION:





This Logo and the "Call Before you Clear" Tag Line have been offered at no Charge by Xcel Energy and Peoples Gas for use in this effort Nationwide.

References: Trenchless Technology Center Louisiana Tech University

http://www.pgecrossboresafety.com/
http://crossboresafety.org/Drain%20Cleaner%20Safety.htm
http://frontline-energy.com/fes-services/cross-bore
http://www.norfolknews.ca/news-story/4336639-union-gas-cross-bore-safety-program-rolls-out-in-norfolk/
http://www.cityofpaloalto.org/gov/depts/utl/residents/safety/cross_bore.asp
http://www.hydromaxusa.com/services/gas

American Gas Association (AGA)
www.aga.org
ASCE – Analysis of Cross-Bores in Unmarked Sewer Service Laterals
http://www.asce.org
Cross Bore Safety Association (CBSA)
www.crossboresafety.org
Common Ground Alliance (CGA)
www.commongroundalliance.com
Distribution Contractors Association (DCA) Position Paper – Cross Bore Mitigation
www.dcaweb.org
Call Before You Clear. Minnesota's
http://callbeforeyouclear.com/
Gas Technology Institute (GTI)
www.gastechnology.org
Midwest Energy Association (MEA)
www.midwestenergy.org
National Utility Contractors Association (NUCA)

www.nuca.com/
North American Society for Trenchless Technology (NASTT)
www.nastt.org
Pennsylvania One Call System, Inc.
www.paonecall.org
Southern Gas Association (SGA)
www.southerngas.org
Northeast Gas Association (NGA)
www.northeastgas.org
Virginia 811
https://www.washingtongas.com/safety-education/safety/call-before-you-clear
Washington Gas
https://www.washingtongas.com/-/media/3ede063018bf4b6f9563eed0dbafd05b.pdf
Operations **T**echnology **D**evelopment Best Practices Guide (82 pages)
www.otd-co.org/Documents/OTD_1_11_d_FinalReport_Nov2012_PublicVersion.pdf