

**Operator Awareness During
Construction
Directional Drilling Safe Practices**

Jimmy Betham

Regulations

§192.614 Damage prevention program.

- (6) Provide as follows for inspection of pipelines that an operator has reason to believe could be damaged by excavation activities:
 - (i) The inspection must be done as frequently as necessary during and after the activities to verify the integrity of the pipeline; and
 - (ii) In the case of blasting, any inspection must include leakage surveys.

Utah Code Title 54-8a Damage to Underground Utility Facilities

54-8a-5.

Marking of underground facilities.

54-8a-5.5.

Determining the precise location of marked underground facilities.

Boring





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Sewer Lines

- (d) Considering sewer systems within the area, which are especially vulnerable to damage from boring operations for the following reasons.
- (1) Sewer lines are often non-metallic, which make them difficult to locate.
- (2) Clean-outs or other indications of sewer laterals may be hidden or non-existent.
- (3) Damage may not be readily apparent when a sewer, particularly a gravity flow system, is pierced by a boring machine.



Cross Bore

- Hot days and minimal precipitation means they need extra water and nutrients. So where do they find it? Broken sewer lines of course! Tree roots grow into broken sewer lines inevitably leading to a back-up. So what's the first thing most homeowners do? Call a plumber or a roofer company to come out and fix it? Perhaps you're handy and frugal yourself, so you rent the biggest snake you can find and grind away at the blockage... But **STOP!**

PROTECTING EXISTING GAS FACILITIES



(c) Potholes used for visual inspection should be excavated at intervals ensuring clearance is maintained during boring operations. Factors to consider for pothole intervals include the following.

- (1) Proximity of proposed bore path to the existing gas facilities.
- (2) Type of existing and proposed facilities.
- (3) Type of soil.
- (4) Size and controllability of the bore.

PROTECTING EXISTING GAS FACILITIES



Conducting a leak survey over gas facilities that could have been affected by the new installation.