

Preventing Cross Bores During New/Replacement Installations

Contact One-Call or Sewer Operator



Establish a Visual Tolerance/Safety Zone Around Sewer

2 ft/0.6 m horizontal

1 ft/ 0.3 m vertical



Do Not “Blind Bore” or Assume Location of Other Facilities

Measure, calculate, locate and expose

Use a sonde or camera pre- and post-installation

Hand dig pothole(s) at each crossing point or parallel construction



Observe Bore Passing Cross Points and Reamer During Pull Back

Report and repair all cross bores before leaving site

Schedule repairs of damaged facilities

Schedule property restoration



1) Contact one-call or sewer operator

2) Establish a visual tolerance/ safety zone around sewer

- Minimum clearance of 2 foot/ 0.6 meters horizontal and 1 foot/ 0.3 meters vertical based on sewer mark-outs

3) Measure, calculate, locate and expose

- Do not “blind bore” or assume the depth or location of any facility, use locating tools to pinpoint the sewer lines
- Use a camera for pre- and post-installation inspection to establish the condition of the sewer prior to installation and to verify no cross bores occurred during the installation, or



- Hand dig/pothole at each potential cross point or parallel construction within the tolerance zone

4) Observe/verify location of natural gas and sewer lines

- Repair all cross bores identified during post-installation inspection prior to leaving the site
- Schedule repair of intersected facilities and property restoration



New/Replacement Piping Installations



Tailgate Briefing

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