

LEAD SERVICE LINE REPLACEMENT

CONSTRUCTION METHODS

Three types of construction methods are currently being utilized for lead service line replacements - open cut trenching, directional drilling, and lead extraction. There are pros and cons for each method, and various environmental conditions may dictate which method is best suited for each service line replacement.

OPEN CUT TRENCHING



Pros:

- ▶ Requires less specialized equipment
- ▶ Allows relocation of service

Cons:

- ▶ Causes most amount of disturbance
- ▶ May not be applicable in all cases

DIRECTIONAL DRILLING

Pros:

- ▶ Allows relocation of the service
- ▶ Less disturbance
- ▶ Applicable in most cases
- ▶ Drill directly through the foundation wall or slab

Cons:

- ▶ Requires specialized equipment
- ▶ May not be suitable for all soil conditions
- ▶ Has limitations in cold weather



EXTRACTION / PULLING



Pros:

- ▶ Fastest installation method
- ▶ Less disturbance

Cons:

- ▶ Does not allow for relocation of the service
- ▶ Requires fairly straight existing service



Link to EEI
Lead & Copper Rule
Resources Webpage

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