



# GAS DESIGN STANDARD STANDARD BRANCH SERVICE INSTALLATION

A-42

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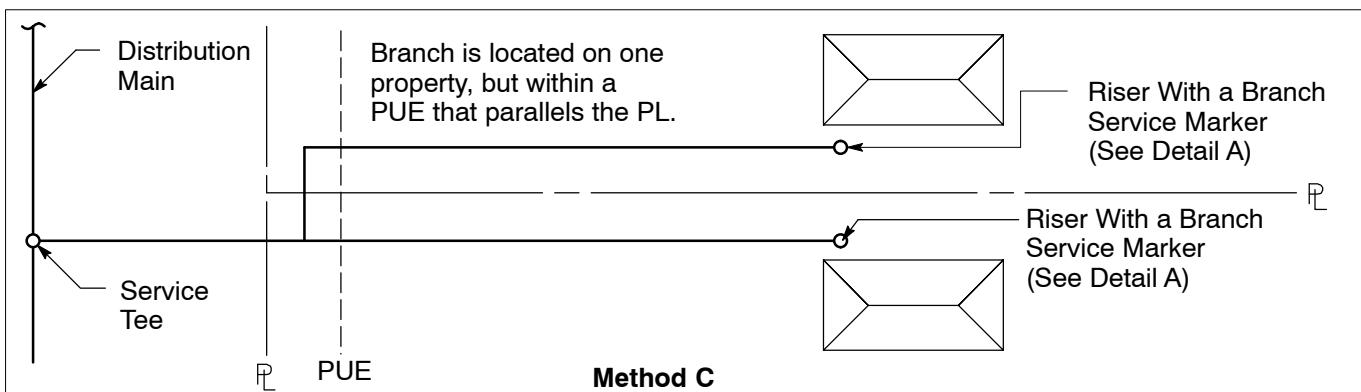
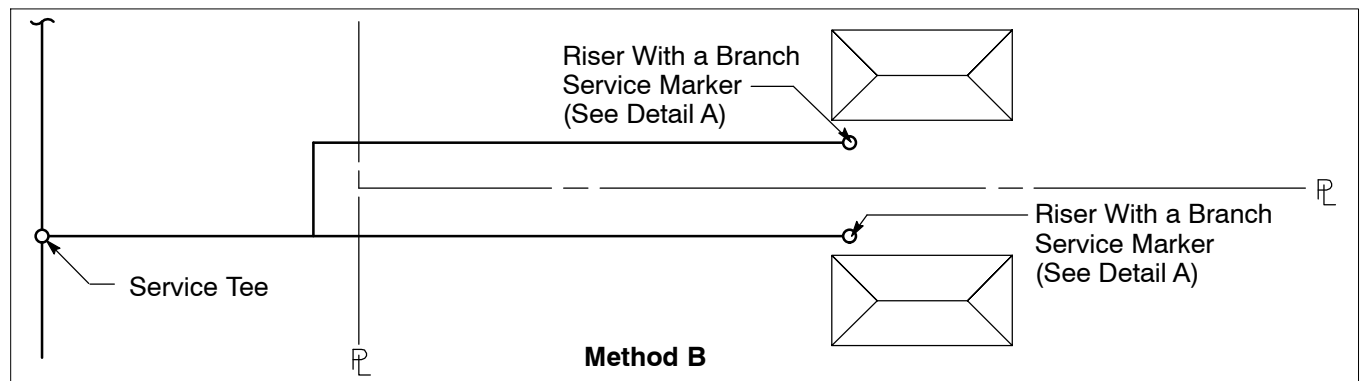
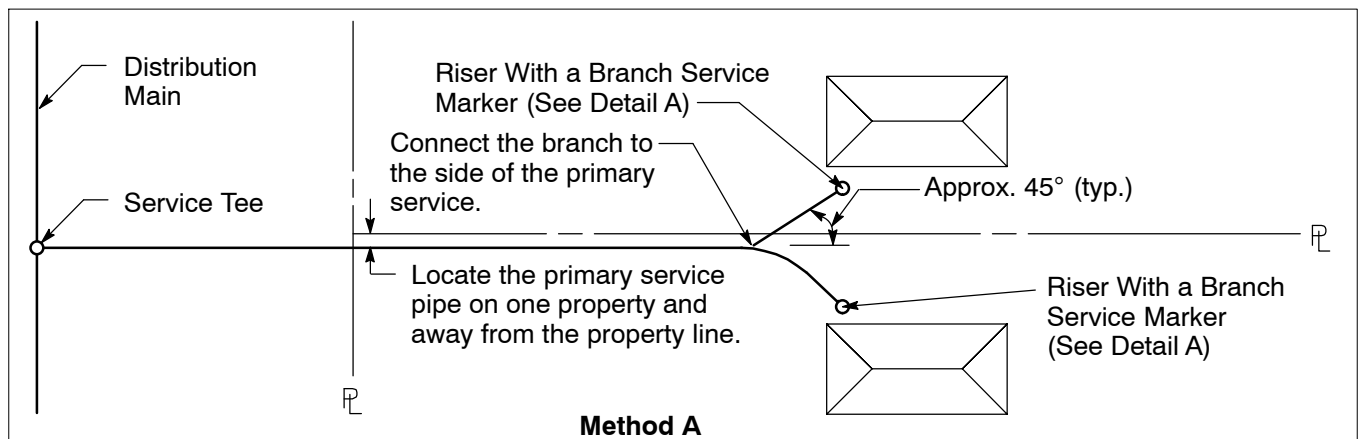
This document also appears in the following manual:

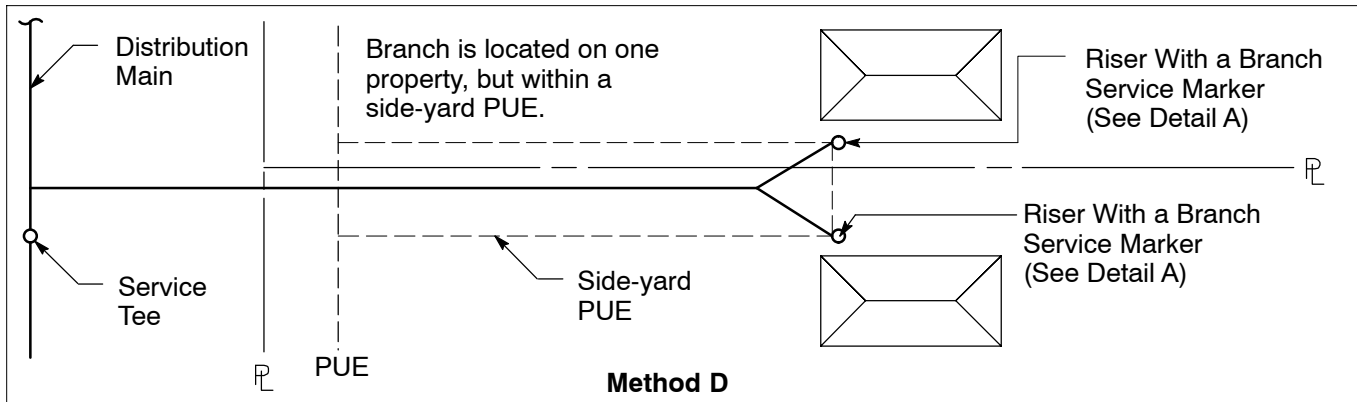
- Gas Applicant Design Manual

## Purpose and Scope

This gas design standard illustrates approved methods of standard branch service installation and shows the approved branch service marker.

## Methods of Installation





### General Information

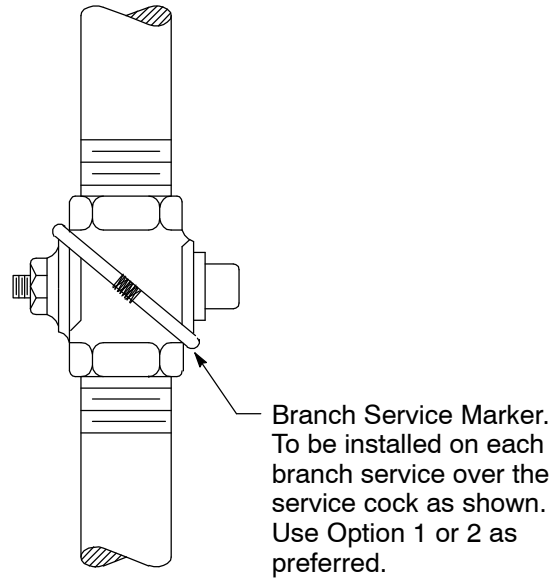
1. Branching is at PG&E's discretion.
2. Install plastic services in accordance with Gas Design Standard A-90, "Plastic Main and Service Installation."
3. For stub services, install EMS markers in accordance with Gas Design Standard A-90.2, "Locating Wire Installation for Direct Burial Plastic Mains and Services" and Gas Design Standard M-60, "Approved "Mark and Locate" Instruments, Equipment, Accessories, and Products."

### Notes on Methods of Installations A-D:

1. Replacement of Existing Branch Services
  - a. Method A is the preferred approach for the replacement of an existing branch service for configurations that are similar to Method A. The reasons include:
    - Permission has been previously obtained at this location, based on the presence of the existing branch service.
    - Use of existing branch service locations generally helps reduce costs and minimizes impact to customer.
  - b. If the customer disagrees with the location of the branch across their property line, then use Method B.
2. Installation of New Branch Services
  - a. Method B, C, and D are acceptable options for the design and installation of a new branch service. Branches shown in Method C and D will require a public utility easement (PUE). A PUE is required for any new branch originating inside a property line to serve an adjacent property.
3. Residential Subdivisions:
  - a. For new business, if the applicant chooses Method D, then a side-yard PUE will be required. Currently, Method C is most commonly used in subdivisions.
4. Exceptions to branching across property lines:
  - a. If the property owner disagrees with the branch location or if an easement cannot be secured from the property owner, then the branch service will need to be installed outside the property line or new services must be installed.

**Branch Service Marker**

- Option 1.** A marker made of 3/16" bronze rod, Airco #27 or similar (Code 159064) is formed into an elliptical ring and brazed closed. Do not heat the valve body. Use wet rags to keep the valve body cool when making the marker.
- Option 2.** A marker made of #8, #10, or #14 copper wire is formed around the cock and secured with a Burndy Hylink connector, or twisted and forged to a solid connection.



**Detail A**  
**Branch Service Marker**

**Target Audience**

Gas estimating, gas distribution engineering and design, gas construction, land department

**Definitions**

NA

**Acronyms and Abbreviations**

PL: Property Line  
PUE: Public Utility Easement

**Compliance Requirement/Regulatory Commitment**

NA

**References**

Plastic Main and Service Installation . . . . . A-90  
Locating Wire Installation for Direct Burial Plastic Mains and Services . . . . . A-90.2  
Approved “Mark and Locate” Instruments, Equipment, Accessories, and Products . . . . . M-60  
*Gas Applicant Design Manual*

**Appendices**

NA

**Attachments**

NA

**Revision Notes**

Revision 03 has the following changes:

1. Added Notes for Replacement of Existing Branch Services and for Installation of New Branch Services.
2. Added Notes for Subdivisions.
3. Added Exceptions.
4. Added Method C and D. Reversed order of A and B.
5. This document is part of Change 66.

**Asset Type:** Gas Transmission and Distribution

**Function:** Design

**Document Contact:** Gas Design Standard Responsibility List