

# C-43a – Reconditioning and Repairing Pipelines Contractor

## License Information

**Scope** – To repair or recondition water and sewer lines manually or by remote control in conformity with county sewer or with water supply departments specifications.

## Examination Outline

### Closed Book

**50 Questions - Three-hour time limit**  
**75% Correct required to pass**

Exam Topic	%
Underground Utilities-Ductile Pipe Installation	30
Underground Utilities-Clay Pipe Installation	20
Underground Utilities-Concrete Pipe Installation	14
Misc. Engineering-Cut Sheet Calculations	12
Excavating and Grading	10
General Knowledge	8
Safety-Code of Federal Regulations	6

7. *Excavation and Grading Handbook*, Capachi, Craftsman Book Company, 6058 Corte De Cedro, Box 6500, Carlsbad, CA 92018
8. *Design and Construction of Sanitary and Storm Sewers*, Water Environment Federation, Member Services Center, 601 Wythe Street, Alexandria, VA 22314-1944.

For information on how to obtain exam references, please call toll-free 877.624.2562.

## Copyrighted Exam Questions

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## References

The following references were used to create exam questions but **are not allowed** in the testing center.

1. *Occupational Safety and Health Administration*, Department of Labor (cont'd), 29 CFR, Part 1926, GPO: 1995.
2. *Clay Pipe Engineering Manual*.
3. *Clay Pipe Installation Handbook*.
4. *Installation Guide for Ductile Iron Pipe*, Ductile Iron Pipe Research Association, 245 Riverchase Parkway, East, Suite O, Birmingham, AL 35244.
5. *AWWA Standard for Installation of Ductile Iron Water Mains*, AWWA C-600-93, American Water Works Association, 1300 Eye St., N.W., #701, Washington, D.C. 20005.
6. *Concrete Pipe Installation Manual*, American Concrete Pipe Association, 8445 Freeport Pkwy, #350, Irving, TX 75063.