

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

SUBJECT AREA	PERCENTAGE
UNDERGROUND UTILITIES-DUCTILE PIPE INSTALLATION	30
UNDERGROUND UTILITIES-CLAY PIPE INSTALLATION	20
UNDERGROUND UTILITIES-CONCRETE PIPE INSTALLATION	14
MISCELLANEOUS ENGINEERING-CUT SHEET CALCULATIONS	12
EXCAVATING AND GRADING	10
GENERAL KNOWLEDGE	8
SAFETY-CODE OF FEDERAL REGULATIONS	6

References

The following references have been used to create exam questions but are NOT allowed in the testing center:

1. *Occupational Safety and Health Administration*, Dept. 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, 6666 West Quincy Avenue, Denver, CO 80235.
6. *Concrete Pipe Installation Manual*, American Concrete Pipe Association, 8300 Boone Boulevard, Suite 400, Vienna, VA 22182.
7. *Excavation and Grading Handbook*, Capachi, Craftsman Book Company, 6058 Corte Del 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 examination references, please call toll-free 877.624.2562.

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