

# Underground Construction

## License Information

**Scope** – Tests a candidate’s knowledge of the installation, maintenance, repair, alteration, and extension of underground utilities.

## Examination Outline

### Open Book

**50 Questions**

**Time limit: 2-1/2 hours**

**70% Correct required to pass**

Exam Topic	%
Survey and Layout	10
Sitework	14
Concrete Pipe Installation	14
Sewer Installation	14
Water Installation	14
Manholes and Vaults	14
Safety - OSHA	20

## References

The following references **are allowed** in the testing center.

1. *AWWA Standard for Installation of Ductile Iron Water Mains and Their Appurtenances*, C600-05, 2005, American Water Works Association, 6666 West Quincy Avenue, Denver, CO 80235, [www.awwa.org](http://www.awwa.org).
2. *Code of Federal Regulations, Title 29, Part 1926 (OSHA)*, Revised July 1, 2008, Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954, [www.access.gpo.gov](http://www.access.gpo.gov).

### OR

*OSHA Excerpts for Contractors (from Title 26 CFR, Parts 1926 & 1910)*, Fourth Edition, Prometric, 1260 Energy Lane, St. Paul, MN 55108.

3. *Concrete Pipe Installation Manual*, 1999 Edition, American Concrete Pipe Association, 222 West Las Colinas Boulevard, Suite 641, Irving, TX 75039-5423, [www.concrete-pipe.org](http://www.concrete-pipe.org).
4. *Excavation and Grading Handbook*, 2006, Craftsman Book Company, 6058 Corte del Cedro, Carlsbad, CA 92009, [www.craftsman-book.com](http://www.craftsman-book.com).

5. *Installation Guide for Ductile Iron Pipe*, 2007, Ductile Iron Pipe Research Association, 245 Riverchase Parkway East, Suite O, Birmingham, AL 35244, [www.dipra.org](http://www.dipra.org).
6. *Pipe and Excavation Contracting*, 1987 Edition, Craftsman Book Company, 6058 Corte del Cedro, Carlsbad, CA 92009, [www.craftsman-book.com](http://www.craftsman-book.com).

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

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