

A-12 Sewers, Drains and Pipe Laying (Commercial)

Exam Number: 030315
Effective Date: 08/18/08

License Information

Scope – Installation and repair of any project involving sewer access holes, the laying of pipe for storm drains, water and gas lines, irrigation and sewers. Includes connecting sewer collector lines to building drains and the installation of septic tanks, leaching lines, dry wells, and all necessary connections, and related excavation and backfilling.

Examination Outline

Closed Book

80 Questions - Three-hour time limit

70% Correct required to pass

Exam Topic	%
Water Distribution Systems	18
Excavation and Backfill	30
Gas Piping Systems	8
Sewer and Storm Water Systems	16
Public Works	8
Septic Systems	10
Safety	10

References

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

1. *Cathodic Protection*, Second Edition, 1987, National Association of Corrosion Engineers (NACE), 1440 South Creek Drive, Houston, TX 77084-4906, www.nace.org.
2. *Arizona Blue Stake Center Pamphlet*, Arizona Blue Stake Center, 4415 South Wendler Drive, Suite 105, Tempe, AZ 85282-6410, www.azbluestake.com.
3. *Installation Guide for Ductile Iron Pipe*, 2007 Edition, Ductile Iron Pipe Research Association, 245 Riverchase Parkway East, Suite O, Birmingham, AL 35244, www.dipra.org.
4. *Pipe and Excavation Contracting*, 1987 Edition, Craftsman Book Company, 6058 Corte del Cedro, Carlsbad, CA 92009, www.craftsman-book.com.
5. *Design and Construction of Urban Stormwater Management Systems*, 1993 Edition, American Society of Civil Engineers (ASCE), Book Orders, P.O. Box 79404, Baltimore, MD 21279-0404, www.pubs.asce.org.

6. *Uniform Plumbing Code*, 2006, International Association of Plumbing and Mechanical Officials (IAPMO), 5001 East Philadelphia Street, Ontario, CA 91761-2816, www.iapmo.org.
7. *Arizona Uniform Standard Specifications and Details for Public Works Construction*, 2007, Arizona Maricopa Association of Governments (MAG), 302 North First Avenue, Suite 300, Phoenix, AZ 85003, www.mag.maricopa.gov.
8. *Handbook of Rigging: For Construction and Industrial Operations*, Fourth Edition, 1988, McGraw-Hill Publishing, Inc., P.O. Box 182604, Columbus, OH 43272, books.mcgraw-hill.com.
9. *Modern Welding*, 2004 Edition, Goodheart-Willcox Company, Inc., 18604 West Creek Drive, Tinley Park, IL 60477-6243, www.g-w.com.
10. *State of Arizona OSHA, Safety and Health Standards for the Construction Industry (29 CFR Part 1926)*, 2007, Arizona Industrial Commission, Division of Occupational Safety & Health, Industrial Commission of Arizona, P.O. Box 19070, Phoenix, AZ 85005-9070, www.ica.state.az.us.

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

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