



**St Louis County  
Master Drain Layer  
Reference Information**

**General Information**

Exam will be a **five (5) hour** open book exam.

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**Contents**

There will be **150** total questions on the **written** exam. The approximate distribution of questions by subject is shown below. There are two sections of the exam:

1. Master Drain Layer

<b>Topic</b>	<b>Percentage Range</b>
Plumbing General Knowledge	20%
Code/Ordinance	20%
Safety/OSHA	14%
Drainage Systems	33%
Septic Tanks	13%

2. Business and Law

<b>Topic</b>	<b>Percentage Range</b>
Business Organization (Business Plan, Business Structure, Risk Management, Marketing & Sales)	10%
Project Management	12%
Field Fundamentals (Bidding and Estimating, Contract Management, Scheduling and Project Management, Employee Management)	10%
Financial Management	18%
Office Administration Employee Management (Tax Laws / Lien Laws, Key Employment Laws, Employee Documentation, Fair Labor Standards Act)	20%
Insurance and Bonding	10%
Licensing	10%
OSHA / Environmental Factors	10%

The written exam must be passed with a 75% to achieve the Master Drain Layer license.

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## References

Sources for test questions are listed below. You may refer to these references during an open book test. In addition, some questions may be drawn from trade experience and general trade practice. Photocopies and printed reproductions of references may be used during the test only if marked with an asterisk (\*) below.

**From** St. Louis County Department of Public Works, Code Enforcement, 41 South Central Avenue, Clayton, MO 63105; or the Plumbing Industry Council, 11472 Schenk, Maryland Heights, MO 63043 OR The Plumbing Industry Council, 11472 Schenk, Maryland Heights, MO 63043:

- 1.\*St Louis County Plumbing Code Ordinance, Chapter 1103, 2014.
- 2.\*Board of Plumbing Examiners, Rules for Professional Education Requirements, Section 1103.160 SLCRO, 2014.

**From** the International Association of Plumbing and Mechanical Officials (IAPMO), 4755 E. Philadelphia St. Ontario, CA 91761

1. \*2015 Uniform Plumbing Code

**From** United States Department of Labor – Occupational Safety and Health Administration (OSHA)

1. \*29 CFR 1910

**From** NASCLA, 23309 North 17th Drive, Bldg 1, Unit 110, Phoenix, AZ 85027

1. \*Contractors Guide to Business, Law and Management, 13th Edition

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## Additional Information

Exams will be based on the versions of the Code Books listed. Revised or updated versions of other materials available prior to the exam date will apply.

Highlighting and permanent tabbing of references prior to the exam is permitted, but **you may NOT bring or write notes, sample questions or problems, diagrams, letters or any other notations into the exam room.**