

# C-43 – Sewer, Sewage Disposal, Drain, and Pipe Laying Contractor

Exam Number: 111539  
Effective Date: 09/01/98  
Revised: 12/30/15

## License Information

**Scope** – To construct concrete and masonry sewers, packaged sewer disposal plants, sewage lift stations, septic tanks, and appurtenances thereto and to lay steel, cast iron, concrete, vitreous and nonvitreous, plastic, and any other type of piping for storm drains, water, and gas lines, irrigation and sewers, manholes in connection with above work, and repairing and recondition of the pipelines, including the excavation, grading, trenching, backfilling, paving, and surfacing in connection therewith.

## Examination Outline

### Closed Book

**40 Questions - Two-hour time limit**

**75% Correct required to pass**

Exam Topic	%
Excavation and Backfill	32
Water Piping Systems	20
Sewer and Storm Water Systems	15
Septic Systems	10
Safety	10
Gas Piping Systems	8
Paving	5

## References

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

1. *Hawaii Safety and Health Standards*, Construction Standards, 1996, Title 12, Subtitle 8, Part 3, Hawaii Occupational Safety and Health Divisions, 830 Punchbowl Street, Honolulu, Hawaii 96813.
2. *49 CFR*, Part 178-199 (Transportation), Occupational Safety and Health Administration, GPO: 1995.
3. *Design and Construction of Urban Stormwater Management Systems*, 1992, American Society of Civil Engineers.
4. *Excavation and Grading Handbook*, 1995, Nick Capachi, Craftsman Book Company.

5. *Hawaii Standard Specifications for Road, Bridge, and Public Works Construction*, 1994, Hawaii Department of Transportation.
6. *Hot-Mix Asphalt Paving Handbook*, 1991, Transportation Research Board (TRB).
7. *Means Heavy Construction Handbook*, 1993, Richard C. Ringwald, R.S. Means Company, Inc.
8. *Pipe and Excavation Contracting*, 1990, Dave Roberts, Craftsman Book Company.
9. *PVC Pipe, Design and Installation – Manual 23*, 1980, American Water Works Association.
10. *Stormwater Management for Construction Activities*, 1992, National Pollutant Discharge Elimination System Guidelines, Environmental Protection Agency, EPA 833-R-92-001.
11. *Uniform Plumbing Code*, 1994, International Association of Plumbing and Mechanical Officials.

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

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