

State of Michigan

HOUSE WRECKING

Business and Law examination specifications and suggested study materials are contained in the Candidate Information Bulletin.

Topic Information	# of Items
PLANNING AND ESTIMATION	10
Planning	
Review specifications, plans and/or as-builts to determine scope of work	
Survey job sites for potential damage to adjacent structures, accessibility, and safety issues	
Evaluate the effect of weather changes on the project	
Determine building demolition method and equipment required	
Coordinate building demolition activities with other construction activities	
Review hazardous materials surveys to determine if hazardous materials are present on job sites	
Estimating	
Estimate the cost of bonding, insurance, permits, materials, equipment, and labor	
Estimate the cost of material disposal	
SITE PREPARATION AND DEMOLITION	9
Pre-demolition and Site Preparation	
Contact utility providers to discontinue service to the buildings to be demolished	
Obtain required permits from appropriate agencies (e.g., MDOT, State of Michigan) and schedule required inspections	
Notify regulatory agencies prior to start of building demolition projects (e.g., Department of Environmental Quality, MIOASHA, Environmental Protection Agency)	
Contact MISS DIG to locate and flag underground utilities	
Verify that utilities have been disconnected and capped at job sites	
Demolish or remove septic tank if present	
Take precautions to ensure that surrounding structures are not damaged during demolition	
Ensure that hazardous materials have been removed from structures before beginning building demolition	
Demolition	
Demolish building with equipment	
Remove chimneys	
Remove basement walls, foundations, concrete walls, and footings	
Perform confined area demolition	
Remove residential fuel tank prior to demolition if present	



Cleanup and Disposal	
Backfill holes and depressions	
Compact fill	
Grade site	
Clean job site and ensure that no unsafe conditions remain	
Transport demolition materials and debris for disposal or recycling	
Segregate demolition materials for recycling	
SAFETY AND PUBLIC PROTECTION	6
MIOSHA Regulations	
Follow MIOSHA regulations for maintaining a safe work environment	
Site Safety and Public Protection	
Set up barriers and traffic patterns to protect the public and workers	
Prevent injuries and exposure to harmful conditions or hazardous materials by using personal protective clothing and respiratory equipment	
Environmental Safety Concerns	
Control water runoff from sites during demolition	
Use required dust/silica reduction systems when operating power tools or equipment on concrete	
Dispose of contaminated materials generated at job sites in accordance with regulations (e.g., paints, fuels)	



Suggested Study Materials

Except for the Michigan Laws, Rules, Codes and Standards, neither the Department nor PSI endorses any of the materials listed. However, we try to ensure that the references are currently available and consist of recognized industry standards.

If the answer to a specific examination question could differ because of conflicting information contained in the suggested study materials, the legal requirement, such as a law, regulation, board or commission rule, or building code, takes precedence over (overrides) any other reference. If two legal requirements appear to conflict, the Michigan specific law, regulation, board or commission rule, or building code, takes precedence over the national one. Information from the suggested study materials listed here takes precedence over information from all other sources or persons.

This is only a sample of the available reference materials that contain information about the professions. These materials contain neither all of the general trade knowledge required to be competent in any specific area nor all of the information on which you will be tested. Also, please be aware that reference materials may go out of print or be otherwise unavailable.

Please contact a library, community college, currently practicing builder or contractor, Code enforcement agency, or other specialists in the profession for additional information or reference material.

These examinations are CLOSED BOOK, so the following reference materials suggested as study resources are not allowed in the examination center.

- *Insurance Guidelines*, 2006, Michigan State Housing Development Authority (MSHDA), 735 E. Michigan Ave, P.O. Box 30044, Lansing, MI 48909, (517) 241-1329
https://www.michigan.gov/documents/mshda/mshda_am_insurance_guidelines_210585_7.pdf
- *International Building Code*, 2018, International Code Council, (800) 786-4452, www.iccsafe.org
- *Carpentry and Building Construction*, 2016, McGraw Hill Education, www.mheducation.com
- *Pipe and Excavation Contracting Revised*, 2011, Dave Roberts and Dan Atcheson, ISBN: 978-157218-266-0, Craftsman Book Company, www.craftsman-book.com
- *Moving the Earth: The Workbook of Excavation*, 2010, Herbert Nichols and David Day, ISBN: 978-0071502672, McGraw-Hill Education, www.mheducation.com
- *Michigan Natural Resources and Environmental Protection Act: Act 451 of 1994; R324.11514(1)*, Michigan Department of Licensing and Regulatory Affairs Occupational Safety & Health Administration, 525 W. Allegan Street, P.O. Box 30643, Lansing, MI 48909-8143,
[www.legislature.mi.gov/\(S\(cz3zttc5uekexgsskuq4g003\)\)/mileg.aspx?page=getObject&objectName=mcl-Act-451-of-1994&highlight=disposal%20AND%20recycling](http://www.legislature.mi.gov/(S(cz3zttc5uekexgsskuq4g003))/mileg.aspx?page=getObject&objectName=mcl-Act-451-of-1994&highlight=disposal%20AND%20recycling)
- *Michigan Residential Code*, 2015, Michigan Department of Licensing and Regulatory Affairs, Bureau of Construction Codes, PO Box 30255, Lansing, MI 48909, (517) 241-9313,
<https://www.michigan.gov/lara/0,4601,7-154-10575---.00.html>
- *Michigan Occupational Safety and Health Act: Act 154 of 1974*, Michigan Department of Licensing and Regulatory Affairs Occupational Safety & Health Administration, 525 W. Allegan Street, P.O. Box 30643, Lansing, MI 48909-8143,
https://www.michigan.gov/lara/0,4601,7-154-11407_52824---.00.html
- *Miss Dig - Public Act 53 of 1974 - Protection of Underground Facilities*, 1974, Miss Dig System, Inc.,
https://www.michigan.gov/lara/0,4601,7-154-11407_15333_46807-183988--.00.html

