

# COMMONWEALTH OF VIRGINIA

## UNDERGROUND UTILITY AND EXCAVATING CONTRACTING EXAMINATION

**Effective 1/18/25 you can use the 2018 or 2021 edition. Starting 5/1/25 the exam will be based on the 2021 edition for all ICC codes including the International Building Code, International Residential Code, International Mechanical Code, International Plumbing Code, International Fuel Gas Code, International Energy Conservation Code, International Swimming Pool and Spa Code.**

**Scope of Work:** Underground Utility and Excavating Contracting (Abbr: UUC) means the service that provides for the construction, repair, improvement, or removal of main sanitary sewer collection systems, main water distribution systems, storm sewer collection systems, and the continuation of utility lines from the main systems to a point of termination up to and including the meter location for the individual occupancy, sewer collection systems at property line, or residential or single-occupancy commercial properties, or on multi-occupancy properties at manhole or wye lateral extend to an invert elevation as engineered to accommodate future building sewers, water distribution systems, or storm sewer collection systems at storm sewer structures. This specialty may install empty underground conduits in rights-of-way, easements, platted rights-of-way in new site development, and sleeves for parking lot crossings if each conduit system does not include installation of any conductor wiring or connection to an energized electrical system. The H/H classification also provides for this function.

# of Questions	Minimum Passing Score	Time Allowed
50	70% (35 correct)	120 Minutes

### CONTENT OUTLINE

Subject Area	# of Items
Materials and Installation	12
Earthwork	8
Surface Repair	4
VA811 Utility Rules and Regulations	6
Electrical Conduit Code Requirements	5
Sanitary and Water Piping Code Requirements	10
Safety	5

### EXAMINATION REFERENCE MATERIAL

The following is a list of possible reference materials for the examination. The list is given to identify resources and does not constitute an endorsement by PSI or by the Virginia Department of Professional and Occupational Regulation.

The reference material listed below was used to prepare the questions for this examination. The examination may also contain questions based on trade knowledge, or general industry practices. You can use any edition of references and Code books as they become available.

However, for Code questions, the examination will be based only on the edition of the Code book that is listed.

NOTE: All examinations are open book. You must bring your own references as they are not provided at the test site. No study guides are permitted.

No loose papers or unbound references are permitted. If you download a reference from the Internet, it must be spiral bound or hole-punched and placed in a binder or stapled in the left-hand corner.

References may be highlighted, underlined, and/or indexed prior to the exam. Reference materials containing any writing will not be allowed into the examination. You may not write in reference materials during the examination session. A candidate caught writing in the references during the examination will have the references confiscated and will be reported to the Department.

References may be tabbed with permanent tabs only. NO REMOVABLE TABS are allowed.

The following list of tabs may be used. These items may be purchased at local office supply stores.

#### **Acceptable Tabs**

Avery Swift Tabs Self-Adhesive Permanent Plastic Tabs  
Redi-Tag Self-Stick Permanent Adhesive Index Tabs

#### **Unacceptable Tabs**

Post-It Index Flags  
Post-It Flags

The URL listed for each reference is generated from the most current searches. However, placement of material on websites may be modified resulting in some discrepancies. If you are unable to find the reference under the URL listed, it is recommended that you search online via a search engine (e.g., Google).

- *Code of Federal Regulations - 29 CFR Part 1926 (OSHA)*, with latest available amendments, 866-512-1800, [https://www.osha.gov/pls/oshaweb/owastand.display\\_stand\\_group?p\\_toc\\_level=1&p\\_part\\_number=1926](https://www.osha.gov/pls/oshaweb/owastand.display_stand_group?p_toc_level=1&p_part_number=1926)  
**OR**  
*Code of Federal Regulations - 29 CFR Part 1926 Selections by PSI*, with latest available amendments, 866-589-3088, <https://www.psionlinestore.com/29-cfr-part-1926-selections-2013/>
- *VA Positive Response Codes*, <https://static1.squarespace.com/static/533db0bde4b0d9f7ba7f1ee7/t/567072c0d82d5e5d015d4d19/1450209984336/Positive+Response+Codes.pdf>
- *VA Underground Utility Damage Prevention Act*; <https://law.lis.virginia.gov/vacode/title56/chapter10.3/>
- *Design and Construction of Urban Stormwater Management Systems*, 1992, American Society of Civil Engineers, <http://www.amazon.com/Design-Construction-Stormwater-Management-Systems/dp/0872628558>



- *Installation Guide for Ductile Iron Pipe*, 2007 (revised 2016), Ductile Iron Pipe Research Association, <https://www.dipra.org/ductile-iron-pipe-resources/technical-publications/guidelines>
- *Construction Planning, Equipment, and Methods*, Robert L. Peurifoy, 8<sup>th</sup> edition, 2010, <https://www.amazon.com/Construction-Planning-Equipment-Methods-Peurifoy/dp/0073401129>
- *Hot-Mix Asphalt Paving Handbook*, 2000, Carl L. Monismith, Rita B. Leahy, John A. Epps, American Association of State Highway Transportation Officials, <https://www.amazon.com/s?k=hot-mix+asphalt+paving+handbook&>
- *PVC Pipe - Design and Installation - AWWA Manual M23*, 2<sup>nd</sup> Edition, 2002, American Water Works Association, <http://www.awwa.org/portals/0/files/publications/documents/toc/M23ed2.pdf>
- *International Plumbing Code*, 2015 Edition, International Code, Council, <https://shop.iccsafe.org/2015-international-plumbing-coder.html>
- *National Electrical Code*, NFPA 70, 2011, National Fire Protection Association, <https://catalog.nfpa.org/NFPA-70-National-Electrical-Code-NEC-Handbook-2011-Edition-P17396.aspx>
- *Virginia Underground Marking Standards*. Prepared by the Virginia State Corporation Commission Division of Utility and Railroad Safety, February 2014, <https://va811.com/excavator-manual-marking-standards-manual/>
- *Virginia Professional Excavators Manual*. Prepared by the Virginia State Corporation Commission Division of Utility and Railroad Safety, April 2014, <https://va811.com/excavator-manual-marking-standards-manual/>