

**Highlighting Guide for
Grading Contractor**

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SC HIGHWAY PSI's selections from SC DOT 2007 Edition

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Construction Planning, Equipment and Methods 8th & 9th editions

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Excavation & Grading Handbook *Revised 2010*

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OSHA Code of Federal Regulations

Sect. 1926	Keyword(s) Topic
104(d)	belt , not allow a fall greater than 6 feet; ½" min. dia.;5,400 psi
105(c)(1)	net , extends out 8 feet working over water 25' below
150	Fire protection , types of fire extinguishers
200	Signs , signage colors
300(d)(3)	Tools , circular saws shall have a constant pressure switch
350(a)(10)	Oxygen and fuel manifolds separated – 20 feet
451(a)	Scaffold , Safety Factor of 4 times its' intended load
451(c)(2)	Mud sills, used to support scaffolds
451(c)(1)(ii)	Scaffold Restraints, (20' vertical & 30' for end of scaffold horizontal)
651(c)(2)	Means of access & egress from an excavation , in excavations over 4' deep & travel distance less than 25'
652(b)	Appendix A to Subpart P, soils classification for excavations (Type A, B, & C)
	Appendix B to Subpart P, Tables used determine max. allowable slopes
754(b)(2)	Structural steel assembly , four floors or 48' unfinished bolting or welding above permanent floor
754(b)(3)	Structural steel assembly , fall, net placement, 2 stories or 30' vertically below work
1053(b)(1)	Side rails of a portable ladder extend above deck – 3 feet
1904.39	Recording and Reporting Occupational Injuries and Illnesses , reporting fatalities 8 hours & multiple hospitalizations three or more
1904.40	Providing records to gov't. representatives , within four hours

South Carolina 811: Excavator Manual

Life of a Locate Request

The life of a normal locate request will begin 3 working days after the request and processing, and extend 15 working days until expiration.

- If the work takes longer than 15 full working days, an update locate request needs to be called in at least 3 full working days prior to the expiration of initial notice.

Length of a Locate

Each locate notice not to exceed ¼ mile (1,320 feet) in five adjoining addresses.

Emergency Notification

'Emergency' means a sudden or unforeseen event involving a clear and imminent danger to life, health, or property; the interruption of essential utility services; or the blockage of transportation facilities, including highways, railways, water, and air, which require immediate action.

- Excavator performing 'Emergency' is exempt from the 3 full working day notice wait period notice.
- **Oral notice** required along with **damage report.**

Facility operator's responsibilities

- Must respond within 3 full working days, using APWA Color Code.
- Horizontal location of facilities must be marked using the APWA Uniform Color Code for Utilities

Should underground facilities are > 3" the dimension must be indicated every 25'.

Excavator Responsibilities

- All Closed codes must be entered into the portal prior to the start of excavation.
- Which is not a positive response Closed Codes? 10, 11, 20 or 30.
- Always hand dig to expose facilities in the tolerance zone. The tolerance zone is 24" either side + ½ diameter of the facility.

How to Recognize a Gas Leak or Damage?

- *Smell* – natural gas is colorless, odorless however; smells like rotten eggs
- *Sight* – white cloud, mist, fog, bubbles in standing water or blowing dust
- *Sound* – roaring, hissing or whistling

Penalties

Violations of provisions subject to fines up to \$1,000 per violation.

Section 58-36-20 (Definitions) 'APWA' means American Public Works Association.