

CHAPTER 2

PROTECTION OF UNDERGROUND FACILITIES:
ONE-CALL DAMAGE PREVENTION SYSTEM

Authority

Underground Facility Protection Act, N.J.S.A. 48:2-73 et seq., specifically N.J.S.A. 48:2-76 and 80.

Source and Effective Date

R.1996 d.467, effective October 7, 1996. See: 27 N.J.R. 3773(a), 28 N.J.R. 4489(a).

Executive Order No. 66(1978) Expiration Date

Chapter 2, Protection of Underground Facilities: One-Call Damage Prevention System, expires on October 7, 2001.

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SUBCHAPTER 1. SCOPE

14:2-1.1 Scope

The rules in this chapter govern the standards for the temporary markout of underground facilities pursuant to the Underground Facility Protection Act, N.J.S.A. 48:2-73 et seq., specifically N.J.S.A. 48:2-80.

SUBCHAPTER 2. DEFINITIONS

14:2-2.1 Words defined

The following words and terms, when used in this chapter, shall have the following meanings, unless the context clearly indicates otherwise.

"Act" means the Underground Facility Protection Act.

"Board" means the Board of Public Utilities.

"One-Call Damage Prevention Center" means the communication system established pursuant to N.J.S.A. 48:2-76.

"Operator" means a person owning or operating, or controlling the operation of, an underground facility, but shall not include a homeowner who owns only residential underground facilities, such as an underground lawn sprinkler system or an underground structure for a residential low-voltage lighting system.

"Site" means the specific place where excavation work is performed or to be performed.

"Underground facility" means any public or private personal property which is buried, placed below ground, or submerged on a right-of-way, easement, public street, other public place or private property and is being used or will be used for the conveyance of water, forced sewage, telecommunications, cable television, electricity, oil, petroleum products, gas, optical signals, or traffic control, or for the transportation of a hazardous liquid regulated pursuant to the provisions of 49 U.S.C. §§ 60101 et seq., but does not include storm drains or gravity sewers. For the purpose of this definition, "personal property" means a single conduit, or multiple conduits of the same facility type within a rigid envelope such as a concrete envelope. This envelope shall be considered one facility for the purposes of these rules, except as otherwise specifically provided.

SUBCHAPTER 3. (RESERVED)

SUBCHAPTER 4. (RESERVED)

SUBCHAPTER 5. MARKOUTS

14:2-5.1 Temporary markouts

All temporary markouts shall conform with the requirements of the Act, as supplemented by this subchapter.

14:2-5.2 Locations of markouts

(a) Markouts of an underground facility 12 inches or less in nominal outside dimension shall be over the center line of the underground facility, but no more than 18 inches horizontally from either outside wall of the underground facility.

(b) Markouts of an underground facility greater than 12 inches in nominal outside dimension shall be over each outside wall of the underground facility, but no more than 18 inches horizontally from either outside wall of the underground facility.

(c) Markouts shall be made at intervals sufficient to clearly indicate the location and direction of the underground facility. However, the distance between any two marks indicating the same facility shall not be more than 25 feet. Site conditions or directional changes of the underground facility may necessitate a shorter distance between marks.

(d) Markouts shall conform with those standards set forth in Appendix A to this subchapter, incorporated herein by reference.

(e) If conditions exist which make it impossible to mark out the center line or outside walls of the underground facility, the operator may indicate the location of the underground facility by use of offset markings that clearly indicate the location and course of the underground facility. Offset markings must follow the criteria set forth in N.J.A.C. 14:2-5.7.

(f) Whenever more than one underground facility of the same type is located within a rigid envelope, there shall be only one centerline or outside wall markout for the entire envelope.

14:2-5.3 Color and letter codes for markouts

(a) Markouts shall conform to the following colors and letters codes:

Facility or Product	Letter Designation Code	Uniform Color
Water Systems	W	Safety Precaution Blue
Slurry Systems	SP	Safety Precaution Blue
Sewer Lines	S	Safety Green
Telephone and Telecommunications	T	Safety Alert Orange
Fiber Optic Cable	FOC	Safety Alert Orange
Cable Television	TV	Safety Alert Orange
Police and Fire Communications	FA	Safety Alert Orange
Electric Power Distribution and Transmission	E	Safety Red
Traffic Control (communications)	TC	Safety Alert Orange

Facility or Product	Letter Designation Code	Uniform Color
Traffic Control (power)	TC	Safety Red
Gas Distribution and Transmission	G	High Visibility Safety Yellow
Petroleum products, Oil Distribution and Transmission	PP	High Visibility Safety Yellow
Steam	ST	High Visibility Safety Yellow
Hazardous liquids/Chemicals	CH	High Visibility Safety Yellow
Excavation boundaries	—	White
Proposed excavation	—	Pink
Temporary surveys [†]	—	Pink

[†] Survey markings are not within the jurisdiction of the Board under the Act; however, the Board recommends that the accepted, industry standard pink color be used for survey markings.

(b) These colors must conform to the Uniform Color Code of the Utility Location and Coordination Council (106 West 11th St., Suite 1800, Kansas City, Missouri 64105) using Standard Z53.1 of the American National Standards Institute, Inc. (1430 Broadway, New York, New York 10018), incorporated herein by reference.

14:2-5.4 Markouts made on paved, concrete, brick or other firm surfaces

Markouts made on paved, concrete, brick, or other firm surfaces where the use of temporary stakes or flags is not possible, shall be made with paint or other suitable marking material that makes an equivalent mark, in accordance with the color code provided in N.J.A.C. 14:2-5.3. Reference in this subchapter to paint shall be construed to include other suitable marking material that makes an equivalent mark. The paint shall have sufficient lasting properties so as to withstand vehicular traffic during the course of the excavation, but shall be sufficiently degradable with time as to not be permanent.

14:2-5.5 Centerline markouts

(a) Painted markouts of underground facilities of 12 inches or less nominal outside dimension shall consist of the following:

1. Three paint marks, each approximately eight inches to 10 inches in length, and approximately one inch to two inches in width, with the eight inch to 10 inch side of each paint mark over the center line of the underground facility, but no more than 18 inches horizontally from either outside wall of the underground facility. A minimum of three separate paint marks shall be made for each underground facility;
2. The appropriate uniform color; and