

Excavator Manual

*A Guide To Safe Excavation Practices in
Massachusetts, Maine, New Hampshire,
Rhode Island and Vermont*



Dig Safe System, Inc.

It's Smart. It's Free. It's the Law.

1-888-DIG-SAFE

or 811

digsafe.com

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Preface

The purpose of this document is to provide you with a basic understanding of your responsibilities as set forth in the “Dig Safe” law of your state concerning safe excavation practices and the protection of underground facilities.

This document is not intended as a legal reference. It does not contain the complete text of the “Dig Safe Law,” and is not intended to be a guide for dealing with specific utility companies or products.

You may download copies of this manual at digsafe.com, as well as complete copies of the state laws and rules for MA, ME, NH, RI and VT.

State Regulatory Agencies

The following state agencies regulate and enforce the “Dig Safe Law.”

- **Massachusetts Department of Public Utilities**
One South Station, Boston, MA 02201
617-305-3500, www.mass.gov/dpu
- **Maine Public Utilities Commission**
242 State Street - 18 State House Station
Augusta, Maine 04333-0018
207-287-3831, www.maine.gov/mpuc
- **New Hampshire Public Utilities Commission**
21 South Fruit St, Suite 10, Concord, NH 03301-2429
603-271-2431, www.puc.state.nh.us
- **Rhode Island Public Utilities & Carriers**
89 Jefferson Blvd, Warwick, RI 02885
401-941-4500, www.ripuc.org
- **Vermont Department of Public Service**
112 State St. - Drawer 20, Montpelier, VT 05620-2601
802-828-2811, www.state.vt.us/psd

What is Dig Safe®?

Dig Safe® is a call center, serving as a link between you – the excavator, and member utility companies. We are a private, not-for-profit organization established to collect information about your upcoming excavation project and notify the appropriate member utilities in the area of excavation. The utilities mark the location of their lines, or use sub contracted private locating companies to mark their lines. This is a free service for anyone to use. ***Note: Dig Safe is a call center and does not mark lines!***

Hours of Operation

Dig Safe is open from Monday through Friday from 6:00am to 6:00pm for both regular and emergency locate requests. Online ticket entry for non-emergency work is available 24 hours a day. During off hours, weekends and holidays, Dig Safe's off hours call center processes only emergency locate requests. See page 9 for a list of observed holidays.

Call Center Operation

After you have given all of the appropriate information to a Dig Safe Customer Service Representative (CSR), he or she will repeat the information back to you. Please listen carefully to verify its accuracy.

Write down the list of member utilities notified for the mark-out request so you may verify their response on the job site.

You will be given an eleven digit Dig Safe confirmation number, or "ticket" number. Please keep this number for your records.

Remember, not all utilities and municipalities are required by law to participate in the Dig Safe system. It is your responsibility to notify any non-member facility owners directly.

Call Before You Dig

1. It is the law!
2. You must give advance notice of at least 48 business hours in Vermont, and at least 72 business hours in Massachusetts, Maine, New Hampshire and Rhode Island (Excluding weekends and holidays).
3. In Massachusetts and Maine, you must call regardless of where the excavation is. In New Hampshire, Rhode Island and Vermont, you must call when working within 100 feet of underground utility facilities, including private property.
4. You must call for most earth penetrating activities, even small jobs. See the definition of “Excavation” on page 5.
5. Don’t rely on old marks or faulty information... call.
6. Mark out the area that you plan to excavate with white paint, flags or stakes. Include the name or initials of your company.*
7. When state regulators inspect an excavation site or investigate a damage prevention incident, they will check to see if you have a valid Dig Safe permit.
8. Review the Locate Request Form so that you will know what information you need when calling Dig Safe. (See page 24.)
9. In an emergency, notify Dig Safe at 888-DIG-SAFE or 811 with the location of the emergency excavation as soon as possible.

An emergency is a sudden or unexpected occurrence which poses a threat to public safety, life, health, property or essential utility service.

What is “Excavation?”

Massachusetts: “Excavation” means an operation for the purpose of movement or removal of earth, rock or the materials in the ground including, but not limited to, digging, blasting, auguring, backfilling, test boring, drilling, pile driving, grading, plowing in, hammering, pulling in, jacking in, trenching, tunneling and demolition of structures, excluding excavation by tools manipulated only by human power for gardening purposes and use of blasting for quarrying purposes. (Chapter 82, Section 20)

Maine: “Excavation” means any operation in which earth, rock or other material below the ground is moved or otherwise displaced, by means of power tools, power equipment or explosives and including grading, trenching, digging, ditching, drilling, auguring, tunneling, scraping and cable or pipe driving, except tilling of soil and gardening or displacement of earth, rock or other material for agricultural purposes. (Title 23, MRSA 3360-A)

New Hampshire: “Excavate”, “excavating”, or “excavation” means any operation conducted on private property or in a public way, right-of-way, easement, public street, or other public place, in which earth, rock, or other material in the ground is moved, removed, or otherwise displaced by means of any tools, equipment, or explosive, and includes but is not limited to drilling, grading, boring, milling, trenching, tunneling, scraping, tree and root removal, cable or pipe plowing, fence or sign post installation, pile driving, wrecking, razing, rending or moving any structure or mass material but does not include the tilling of soil for agricultural purposes, landscaping and maintenance or residential property performed with non-mechanized equipment, landscaping activities performed with mechanized equipment that are intended to cut vegetation, including lawn edging,

Continued on the next page.

What is “Excavation?” - Continued

aeration and de-thatching, excavations permitted or grandfathered under RSA 155-E, or replacement of department-of-transportation-installed delineator posts in the same location. (RSA 374, Section 48)

Rhode Island: “Excavation” means an operation for the purpose of movement or removal of earth, rock or other materials in or on the ground, or otherwise disturbing the subsurface of the earth, by the use of powered or mechanized equipment, including but not limited to digging, blasting, auguring, back filling, test boring, drilling, pile driving, grading, plowing in, hammering, pulling in, trenching, and tunneling; excluding the movement of earth by tools manipulated only by human or animal power and the tilling of soil for agricultural purposes. (Chapter 1.2, Section 39-1)

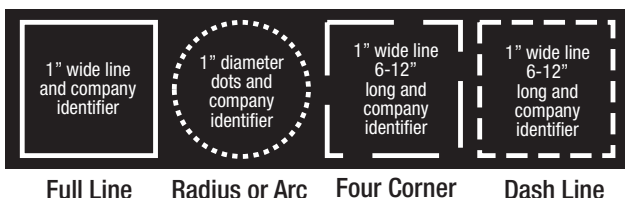
Vermont: “Excavation activities” means activities involving the removal of earth, rock or other materials in the ground, disturbing the subsurface of the earth, or the demolition of any structure, by the discharge of explosives or the use of powered or mechanized equipment, including but not limited to digging, trenching, blasting, boring, drilling, hammering, post driving, wrecking, razing, or tunneling, within 100 feet of an underground utility facility. Excavation activities shall not include the tilling of the soil for agricultural purposes, routine home gardening with hand tools outside easement areas and public rights-of-way, activities relating to routine public highway maintenance, or the use of hand tools by a company, or the company’s agent or a contractor working under the agent’s direction, to locate or service the company’s facilities, provided the company has a written damage prevention program. (VSA Title 30, Chapter 86)

Guide to Marking Proposed Excavations

The following is only a guideline. Refer to the current Common Ground Alliance (CGA) Best Practices for complete details at www.commongroundalliance.com.

These illustrations are examples of how excavators should 'premark' the area of proposed excavation. Use white marking products (paint, flags, stakes, whiskers or combination) to identify the excavation site. Using florescent pink is recommended to premark on snowy terrain.

Single Point Excavation Markings



Premark the proposed area of excavation by using: a continuous line, dots marking a radius or arc, dashes marking the four corners of a project, or dashes outlining the excavation project. Make the dash about 6" to 12" in length and 1" in width. Space them between 4' to 50' apart. Make the marks close together enough to be seen by utility locators. Dots of about 1" in diameter are typically used to define arcs or radii and can be placed at closer intervals instead of the dashes.

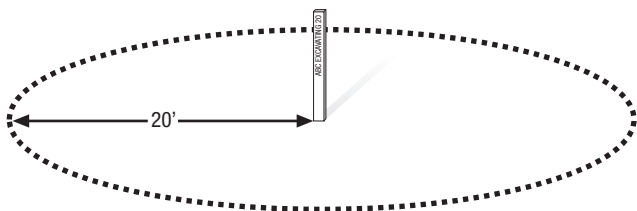
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Guide to Marking Proposed Excavations - Continued

Using a Single Stake to Mark the Center Point of Excavation Site

When an excavation site is contained within a 50' radius or less, you can mark it with a single stake positioned at the center of the proposed excavation. If you choose this way of marking, you must tell the Dig Safe CSR that you have marked the excavation site with a single stake at the center and include the radius of the site.

The stake should be white, and have this information on it: Excavator's name, abbreviations or initials, and the radius of the excavation site in black letters on the stake, or a note attached to the stake.



Wait the Required Time

1. Before you begin any non-emergency excavation, you must call Dig Safe at least 48 business hours in advance in Vermont, and at least 72 business hours in advance in Massachusetts, Maine, New Hampshire and Rhode Island. (Excluding weekends and holidays – see Observed Holidays below).
2. Do not start excavating before your legal start date and time!
3. If your excavation has not started within 30 days from the date the Dig Safe permit was obtained, the Dig Safe permit expires and must be renewed. Renewals require the same advance notice as new permits.
4. In Maine, New Hampshire and Vermont, Dig Safe permits expire every 30 days from the date of issue. In Rhode Island*, permits expire every 60 days from the date of issue. In Massachusetts, if the excavation has started within 30 days from the date of issue, the Dig Safe permit is valid for the life of the excavation, provided that the excavator maintains the marks.

** For exceptions, refer to the Rhode Island "Dig Safe" Law, which is available at digsafe.com.*

Observed Holidays

New Year's Day • M.L.K. Day • President's Day • Patriot's Day (MA,ME only) • Memorial Day • Independence Day • Victory Day (RI only) • Labor Day • Columbus Day • Election Day (NH only) • Veteran's Day • Thanksgiving Day • Christmas Day

Respect The Marks

1. You are responsible for maintaining the marks placed by member utility companies at your site.
2. Before you begin your excavation, walk through the site to familiarize yourself with the markings and the locations of buried utilities.
3. Pay special attention to any changes in direction that the underground facilities take.
4. If your excavation causes the removal or disturbance of the markings, establish offset marks in order to maintain a reference point for those underground facilities.
5. Make sure that everyone involved in your excavation is aware of any offsets that have been established, any marks that have been compromised, or any other information regarding facility locations.
6. Don't put spoil piles over markings. Avoid driving machinery over stakes and flags. Paved areas should be swept periodically so that painted marks remain visible.
7. If marks have faded or been compromised to the point where proper and safe excavation is no longer possible, contact Dig Safe to request a re-mark. Refer to the "Laws at a Glance" section on page 23 for advance notice requirements for re-mark requests.
8. If you refresh the markings at the site, make sure that you use the uniform color code and identification letters to avoid any confusion. (See the Color Coding System on the back of this manual).
9. Once the project is complete, it is recommended that you remove any marks as best you can. This will reduce the likelihood that future excavators will mistake them for marks provided in response to their own excavation notice, or assume that they do not need to provide notice of intent to excavate.

Guide to Utility Marks

The following is only a guideline. Refer to the current Common Ground Alliance (CGA) Best Practices for complete details at www.commongroundalliance.com.

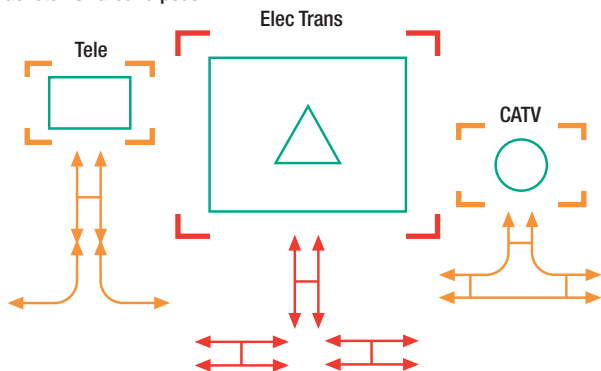
1. Utility lines should be indicated by markings using the current APWA color codes (see back cover). Markings should be 18"-24" in length and 2" in width.
2. The owner of a facility should be indicated by initials or by company name in letters 6" high at the beginning and end of the locate. On long locates, the facility owner should be indicated every 100'.
3. For operators with multiple facilities within an excavation area, for example bundled or stacked facilities, the total number of lines within the ground should be indicated when known.
4. If a facility is known to be present but the total number of lines for a facility cannot be determined, a corridor marker may be used indicating the approximate length of the facility.
5. When known, the size of the line being located should be indicated. Line size should indicate the outside diameter of the pipe or structure.
6. Conduit or duct structures, whether single or multiple conduits or ducts, should be indicated by the conduit symbol indicating the approximate depth of the structure.
7. When known, the pressure of a the facility should be indicated.
8. When known, termination points, dead ends and stub outs should be indicated.
9. Offset marks should be used when there is a likelihood that the markings may be destroyed if placed directly over the facility.

Guide to Utility Marks - Continued

The following is only a guideline. Refer to the current Common Ground Alliance (CGA) Best Practices for complete details at www.commongroundalliance.com.

Using Brackets Around Pedestals, Transformers and Poles

Brackets 18" around peds



Markings start outside of brackets. Dig by hand inside the marked area.

Dig With Care

1. Before you excavate within the Tolerance Zone (See page 14), you must:

Verify the location, type, size, direction-of-run and the depth of the facility.

For gas and liquid petroleum lines, verification must be by means of hand-dug test holes or vacuum excavation.

The location of other utilities must also be verified by means of hand-dug test holes or vacuum excavation unless otherwise agreed upon with the facility operator.

2. Do not assume that buried facilities will be at a certain depth.

Facilities may have been originally installed at a prescribed depth, but later erosion or grade changes cause them to now have a shallow or deep cover.

3. Verification by a hand-dug test hole or vacuum excavation requires the facility to be exposed to view.

If after a diligent search the facility cannot be verified in this manner, notify the facility operator.

4. Vacuum excavation is an accepted means of verifying the location of marked facilities.

5. Powered Equipment may be used for removing pavement, but only to the depth of the pavement.

6. If the excavation is going to cross a Tolerance Zone, dig a test hole to expose the facility at the point of crossing.

7. If the excavation is going to parallel a utility, you should dig test holes at any marked change of direction, elevation and at tee's.

8. For relatively straight excavations parallel to a utility, a test-hole should be dug approximately every 20 to 25 feet.

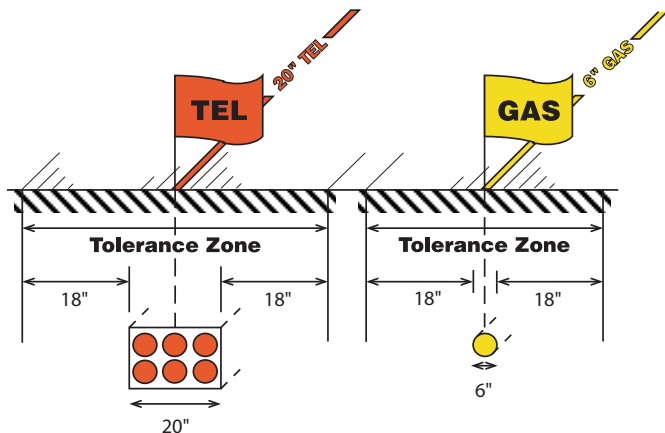
9. If you find an unmarked or unknown facility, notify the facility owners or contact Dig Safe.

Tolerance Zone

The Tolerance Zone (in most states) is a zone designated on the surface by the use of standard color-coded markings, which contains the width of the facility plus 18 inches on each side of the facility.

For exceptions, refer to your state's "Dig Safe" law which may be downloaded at digsafe.com.

Measuring the Tolerance Zone



Excavation After Verification

1. When excavating close to an underground facility, it is a good practice to have a spotter assist and guide the machine operator.
2. After you have verified the location of a facility by hand digging test holes, or by vacuum excavation, you must use due care when excavating around a facility with any type of equipment.
3. If the excavation work requires significant spans of the facility to be exposed, support them to prevent sagging or collapse.
4. Take care not to damage the protective coating or tracer wire of a facility. If you do, leave the damaged facility exposed and immediately call the facility operator.

Reporting Emergencies

In the event to an emergency involving danger to life, health or property as a result of damage to an underground facility, the excavator shall:

Immediately notify 911, the operator of the affected facility, and the appropriate state regulatory agency (See page 2) of the exact location and nature of the emergency.

If a Facility Is Contacted or Damaged

1. If you damage a facility, you must immediately call the operator whose facilities have been damaged, even if you only scrape the protective coating. Left untreated, this type of damage can lead to a catastrophic failure.
2. You should keep the emergency number of your local facility operators at hand.
3. If you are in doubt about whose facility it is, call Dig Safe to send a message to all member facility owners in the area.

Steps To Take If You Break....

A Natural Gas, Petroleum or Propane Line:

1. Stop work and evacuate the site.
2. Call 911.
3. Call the appropriate facility operator.
4. Don't do anything that could cause a spark.
5. Alert everyone on the premises.
6. Keep the public and traffic away.
7. Tape, rope or place cones around the area.
8. Stay upwind of blowing gas.
9. Do not try to fix a gas pipe.
10. Do not try to extinguish a gas burning fire, unless there is a threat to life.

An Electric Line:

1. Stop work immediately and warn all persons in the vicinity, including emergency and rescue personnel, that the ground and objects near the excavator, and equipment around the point of contact, may be energized.
2. Contact the electrical utility operator and fire department immediately if a radio or phone is at hand. Otherwise, remain still and signal for help to relay a call for utility and emergency assistance.
3. The operator should remain on the excavator.
4. Personnel on the ground near the excavator or point of contact should remain still with both feet together. Don't touch the excavator, nearby equipment, structures or material.

Continued on the next page.

Steps To Take If You Break - Continued

5. Evacuate the excavator and the area near the point of contact only after an official of the electric utility deems it is safe to do.
6. If immediate evacuation is required due to threat of serious injury from fire, explosion or other hazard:
 - Jump – not step – clear of the equipment and land with both feet together
 - Move a safe distance away (at least 25 to 30 feet) using short hops or shuffling steps to keep both feet together at all times.
 - Do not take normal, walking steps
7. Do not resume work until an electric utility official confirms the site is safe.

A Telephone or Fiber Optic Line:

1. Stop excavation and secure the area for public safety.
2. Notify facility owner of the potential damage to copper/fiber cable.
3. Do not examine or stare into broken/severed/disconnected fibers/fiber cable.
4. Move a safe distance away from a damaged fiber system (always assume that a laser signal is present).
5. Place warning or barricades around the fiber damage location to protect the public and other workers from exposure.
6. Do not view broken fiber cables with any optical instruments.

Suggestions & Reminders

Do report immediately to 911 and the facility operator any damage that poses a risk to public safety.

Do follow the special instructions regarding their lines.

Do keep a minimum of an 18-inch Tolerance Zone between any underground facility and the cutting edge of any powered equipment.

Do protect and preserve the color-coded markings until those markings are no longer needed for a proper and safe excavation.

Do call for a re-mark if the markings are destroyed, or removed before excavation is complete.

Do be sure that someone other than the equipment operator (i.e. the spotter), is there to look for any sign of an underground facility.

Do conduct the excavation near the underground facility carefully. Excavate by hand to be able to tell the exact location of the line and to prevent damage.

Do report any damage to the facility operator. For example, cracked conduit, gouges, dents or breaks to the coatings, cable sheathes and cathodic protection anodes or wiring that may pose problems now or in the future. Allow the underground facility operators time to make repairs.

Don't notify Dig Safe unless you plan to start the excavation within 30 days.

Don't assume that a pipeline or cable runs straight, or is centered between permanent marker posts.

Don't assume the depth of a utility. Never assume that an underground facility is at the same depth throughout the entire route of an excavation.

Don't excavate within the Tolerance Zone with mechanized equipment prior to verification.

Don't phone in emergency locates that are not really emergencies.

Don't work under anyone else's Dig Safe request unless you are listed as a sub contractor on another party's permit.

Gas Leak Recognition and Response

A gas leak is usually recognized by smell, sight or sound.

Smell: Natural gas is colorless and odorless. A distinctive, pungent odor is added so that you'll recognize it quickly. Not all transmission lines are odorless.

Sight: You may see a white cloud, mist, fog, or bubbles in standing water, or blowing dust. You may also see vegetation that appears to be dead or dying for no apparent reason.

Sound: You may hear an unusual noise like roaring, hissing or whistling.

What to do if you suspect a gas leak:

- Move to a safe environment.
- Call the pipeline operator – they are available 24 hours a day, 7 days a week.
- Provide the exact location, including cross streets.
- Let them know if sewer construction or digging activities are going on in the area.
- Do not smoke or operate electrical switches or appliances. These items may produce a spark that might ignite the gas and cause an explosion.
- Do not assume someone else will report the condition.

Continued on the next page.

Gas Leak Recognition and Response - Continued

Hazard Awareness & Prevention Measures

Like all forms of energy, natural gas, propane and petroleum must be handled properly. Utility operators work very closely with industry and government agencies and stay abreast of new technologies and security methods to ensure the highest levels of service and safety. Despite an excellent safety record, a leak caused by damage to a pipeline may pose a hazard and has the potential to ignite. A variety of measures are used to ensure pipeline safety including: *Coordination with One Call Centers, Inspection programs, Design and construction practices, Workforce qualifications, Industry safety practices and government oversight, Pipeline markers and facility mapping, and Public education programs.*

Gas Pipeline Locations

Since pipelines and other utilities are underground, line markers are sometimes used to indicate their approximate location along their route. The markers display the material transported in the line, the name of the utility operator, and the telephone number where the operator can be reached in the event of an emergency. Markers only indicate the general location of an underground line and cannot be relied upon to indicate the exact position. The presence of markers does not negate the requirement to notify Dig Safe prior to excavation.

National Pipeline Mapping System

For information about the pipelines and pipeline operators that might be located in your community, contact the National Pipeline Mapping System at www.npms.rspa.dot.gov.

The Perfect Excavation

Here are some simple steps to the perfect excavation:

1. The excavator visits the site, and marks out every place he may be excavating with white paint, flags, or stakes.
2. The excavator fills out all the information about the excavation on a Locate Request Form (See page 24), then calls in the stake-out request to Dig Safe.
3. The Dig Safe Customer Service Representative takes the information, and gives the excavator a Dig Safe Permit Number and a list of member facility owners notified.
4. The excavator then notifies any non-member facility operators if known. Non-member companies are not notified by Dig Safe.
5. Each member facility company, or its private locating company, marks out the facilities it owns or maintains in the area of excavation. (See the Color Coding System on the back of this manual).
6. While working, the excavator takes care to find and maintain any markings that have been placed.
7. When digging near a buried facility, the excavator observes the tolerance zone around that facility.
8. If exposing a facility, the excavator provides proper support and protection for it so that the facility will not be damaged.
9. When the excavation is complete, the excavator provides proper backfill for any facilities that have been exposed, and removes all utility markings.

Get Dig Safe® Permits Online!

Haven't tried Quick-Ticket?

Enjoy the benefits of applying online:

- Notify Dig Safe member utilities directly from your own PC.
- Spend less time on the phone.
- Apply at your own convenience...Quick-Ticket is available 24/7!
- A printed confirmation makes record keeping easy. It lists the Dig Safe permit number, excavation location, legal start date/time, and the member utilities notified.
- Quick-Ticket makes multiple entries easy. After completing the first ticket, most of the significant information you entered is carried over to each subsequent ticket, saving time.
- Renew existing Dig Safe permit numbers using Quick-Ticket.
- On-site tutorials are available upon request, and Dig Safe's staff is happy to help over the phone if you have trouble using Quick-Ticket.
- Dig Safe's Quick-Ticket online service is free.
- Apply for a Quick-Ticket password now! Go to digsafe.com and click on Quick-Ticket Password.

Laws at a Glance

This guide is designed for quick view only and is not all-inclusive. To download a complete copy of Dig Safe state laws and rules, please go to digsafe.com – “Laws & Enforcement.”

	Massachusetts Statute Chapter 82, Section 40	Maine Title 23 MRSA Section 3360-A	New Hampshire Statute RSA 374, Section 47-56	Rhode Island Statute Chapter 39-1.2, Section 1	Vermont VSA Title 30, Chapter 86
Who must notify Dig Safe?	All excavators	All excavators	All excavators	All excavators	All excavators
What excavation areas require notification?	Public ways and private property	Public ways and private property	Within 100 feet of underground utilities	Within 100 feet of underground utilities	Within 100 feet of underground utilities
What utilities are required to participate?	Gas, Electric, Telephone, Cable Television and Private Water Companies	Gas, Electric, Telephone and Cable Television	Gas, Electric, Telephone, Cable Television and Public Water Companies	Gas, Electric, Telephone, Cable Television and Public Water Companies	Gas, Electric, Telephone and Cable Television
Advance Notice Requirement: (excludes weekends and holidays)	Minimum 72 Hours Maximum 30 Days Emergencies ASAP	72 Hours 30 Days ASAP	72 Hours 30 Days ASAP	72 Hours 30 Days ASAP	48 Hours 30 Days Immediate
Utility response time:	72 Hours	72 Hours	72 Hours	72 Hours	48 Hours
Unanticipated blasting notice (after initial notice)	4 Hours	4 Hours	4 Hours	4 Hours	• • •
Remark Notice:*	24 Hours	24 Hours	• • •	48 Hours	48 Hours
Permit Expiration: (from date of issue)	• • •	30 Days	30 Days	60 Days**	30 Days
Violation penalties: First offense Subsequent offenses Gas Related	\$1000 \$5000 to \$10,000 -	Up to \$500 Up to \$5000 -	\$500 Up to \$5000 -	\$350 \$2500 -	Up to \$500 Up to \$5000 Up to \$100,000

LAST UPDATE: 7/21/09

* The excavator is responsible to maintain marks.
** For exceptions, refer to the Rhode Island Dig Safe law, available at digsafe.com.

Locate Request Form*

Today's Date ____/____/____

Dig Safe Number _____

Caller Details

Contr I.D. _____

Caller Name _____

Title _____

Phone # _____

Fax # _____ Alt # _____

Email address _____

Business Hours _____ to _____

Company Name _____

Address _____

City _____ State _____ Zip _____

Location Details

State: (check one) ☐ MA ☐ ME ☐ NH ☐ RI ☐ VT

City/Town _____

(optional) Latitude _____ Longitude _____

Address/Intersection _____

Buffer Distance (Please circle):

500' 600' 700' 800' 900' 1000' 1100' 1200' 1320'

Cross Street 1 _____

Cross Street 2 _____

Additional Information _____

Type of Work _____

Area (i.e. St to house, in the st, sidewalk area, right side of house on private property)

Premarked? (check one) ☐ YES ☐ NO

Start Month _____ Day _____ Year _____

Time (military) _____ : _____

Excavator Doing Work (if not same as above) _____

Members Notified: _____

** These forms are available for download at digsafe.com - Downloadable Forms.*

Color Coding System

Color coding is used to identify the type of underground facilities.

RED

Electric Power Lines, Cables, Conduit and Lighting Cables

YELLOW

Gas, Oil, Steam, Petroleum or Gaseous Materials

ORANGE

Communication, Alarm or Signal Lines, Cables or Conduit

BLUE

Potable Water

GREEN

Sewers and Drain Lines

PURPLE

Reclaimed Water, Irrigation and Slurry Lines

PINK

Temporary Survey Markings

WHITE

Proposed Excavation



1-888-DIG-SAFE

(888-344-7233) or 811

digsafe.com

DATE OF LAST REVISION 3/10

