

University of New Hampshire

## University of New Hampshire Scholars' Repository

---

Division 31 – Earthwork

Chapter 5 – Technical Construction and  
Renovation Standards

---

Summer 7-19-2022

### 312318 - Blasting Operations

Stephanie Weatherbee  
s.weatherbee@unh.edu

Follow this and additional works at: [https://scholars.unh.edu/pdch\\_5\\_31](https://scholars.unh.edu/pdch_5_31)

---

#### Recommended Citation

Weatherbee, Stephanie, "312318 - Blasting Operations" (2022). *Division 31 – Earthwork*. 3.  
[https://scholars.unh.edu/pdch\\_5\\_31/3](https://scholars.unh.edu/pdch_5_31/3)

This Article is brought to you for free and open access by the Chapter 5 – Technical Construction and Renovation Standards at University of New Hampshire Scholars' Repository. It has been accepted for inclusion in Division 31 – Earthwork by an authorized administrator of University of New Hampshire Scholars' Repository. For more information, please contact [Scholarly.Communication@unh.edu](mailto:Scholarly.Communication@unh.edu).



## SECTION 31 2318 – BLASTING OPERATIONS

### 1.1 SUMMARY

#### A. Section Includes:

1. Regulations for blasting on Project sites.
2. Reference Chapter 5, Division 31, Section 312000 for blasting submittals, and blasting execution.

### 1.2 QUALITY ASSURANCE

#### A. Standard Specifications for Road and Bridge Construction, State of New Hampshire, Department of Transportation latest edition.

#### B. Reference the following website for Standard Specifications:

1. <http://www.nh.gov/dot/org/projectdevelopment/highwaydesign/specifications/index.htm>

### 1.3 PERMITS

#### A. The following documents are required to secure a blasting permit:

1. Valid State of NH Certification of Competency.
2. Valid State of NH License Use, Purchase and Transport.
3. Insurance Binder specifically covering blasting operations.
4. UNH Blasting Ticket and protocol. See 1.7 B

### 1.4 BLASTING HOURS

#### A. Hours shall be from 8:30 a.m. to 3:30 p.m., Monday through Saturday, unless otherwise stated on permit.

### 1.5 DURHAM DISPATCH NOTIFICATION

#### A. Durham Dispatch Center shall be notified daily (603-862-1392) prior to blasting to allow notification to municipal agencies. Dispatch shall be notified when blasting activities are completed for each work day.



1.6 BUILDING OCCUPANT NOTIFICATION

- A. Some academic buildings have sensitive equipment that requires blasting notification by the UNH Facilities project manager at least 72 hours prior to any blasting within the vicinity. Accommodations may need to be made before blasting can occur. Seismic monitoring may be required, as determined by UNH Facilities project manager.

1.7 REASONABLE PRECAUTIONS

- A. Permittee shall take all reasonable precautions, including but not limited to, signage, warning signals, flags, barricades and site watering for dust control, etc.
  - 1. Mats shall be used to cover all blasts.
  - 2. Warning signals to be used are as follows:
    - a. 3 Long – 5 minutes to Detonation.
    - b. 2 Long – 1 minute to Detonation.
    - c. Detonate.
    - d. 1 Long – All clear.

1.8 UTILITY PROTECTIONS

- A. Permittee may need to shore up/hold utility poles/make safe with active services when blasting activity is nearby.
- B. Blasting operations are not covered under the standard UNH Dig Safe ticket and needs its own separate UNH Blasting Ticket. UNH Dig Safe must be notified of any and all blasting at the start of the project. The UNH Blasting Ticket must be filled out and submitted to UNH Dig Safe at least five business days in advance of the blasting activity.

1.9 TREE TIP OVER PREVENTIONS

- A. Permittee may need to take precautions to prevent tree tip-overs when area trees in shallow earth cover.

END OF SECTION 31 2318