

# PORTLAND MAINE

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Fire Department Chief Keith N. Gautreau

#### **BLASTING PERMIT**

Maine Drilling and Blasting, Inc. PO Box 1140 Gardiner, ME 04345

October 3, 2018

Blasting Location: Lot #7 Ice Pond Dr.

Blasting: App. 175 cu. yards

This permit is granted subject to the strict observance of all laws, ordinances, and regulations enacted for the protection of the City of Portland so far as they may apply unless sooner revoked.

Notification of Fire Alarm is required prior to blasting each day. 874-8576

Approved and issued by: \_

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# CITY OF PORTLAND MODEL BLASTING SUBMITTAL Removal of 50-300 cubic yards of rock material

The purpose of the blasting submittal is to describe anticipated rock excavation requirements for the project, and outline proposed blasting operations, vibration control criteria, and to protect surrounding properties from damage related to proposed blasting activities.

1. 2.	Project: House Foundation Project Location: Lot #7 /ce Fond Du Fentland, use
3.	Estimated Quantity (cubic yards in-ground measurement) of rock to be Blasted: 175
4.	Number of Separate Blasts Planned: 10

Ma: Dulling Chicality will hire an independent firm to perform pre-blast surveys on all structures within 500 feet of the blast area. The survey will include a video documentation of any pre-existing conditions on the inside and outside of each structure.

6. Notification to Neighbors

Pre-Blast Survey

5.

At least 10 business days prior to the planned commencement of blasting notification of proposed blasting, conforming to the model notice (see attached), shall be published in a newspaper of local publication and shall be mailed by first class mail to all neighbors and property owners located within 500ft of the perimeter of the blasting site. The notification shall include a description of the proposed blasting, estimated schedule and length of time for proposed blasting, description of the blasting signals to be used during the operation, and lastly the addresses and telephone numbers for the blasting contractor, Fire Department and Planning Division where neighbors and property owners may request further information and notification.

7. Planned Blasting Program Please Six Buck

At least two weeks prior to any new drilling or blasting the following information shall be submitted to the City for review:

20	Description of Test Blast, Drill Pattern
26 26	Description of Production Blasting, Drill Pattern
₽# 23	Explosives to be used during wet and dry conditions

- . 1 Flowned Blooting Taguam:
  - of the Foundation from Existing houses, We will be duilling a 3" hole on a 5'46' duill Puttern Puttern
  - \* Preoduction Tourt will Stant Believed the trest blast utilizing a 31/3" hole on a 6'x7' duill Fathered
  - \* Explasives used will be 3/4/6 Bootters to prime the bole & 1"x16" & 23 "x16" Blesta for wet lutes. Duy holes will be loaded with a 3/4 16 boosten &
  - \* The holes will be stemmed with 3/8" claux Chushad Stope @ the 5' went of hela
  - & matting: MDs will be using 12'x 12' & 12'x 16'
    Rubben blasting mats plus some overbunden but By the Excavator.
  - \* Blusting Jigns will be placed on lee Pond Duive as you come off town ledgered Du. They will be Blot warring signs depicting the International most warning spreads

20 20	Stemming material in depth
£0 £2	Description of matting used to prevent fly rock
84 80	Description and location of Blasting Signs

Utilization of International Blast Warning: 8.

> 5 minutes to blast 3 horns 2 horns 1 minute to blast 1 horn All Clear

Hours of Blasting and Storage of Explosives 9.

9:00 un to 4:00 pm

Blasting operations shall be limited to between the hours of 9:OOAM and 4:00 PM, Monday through Friday. Only the amount of explosives necessary for the day's work shall be brought to the site, and explosives shall be transported and stored in approved magazines when not in use. No storage of explosives on the site shall be permitted.

10. Vibration Monitoring

Blasting Contractor will use a kestyle seismograph

The seismograph will be set up at the closest structure to record each blast event.

#### Ground Vibration Limits for Residential Structures

	Maximum PPV (in/s)			
Type of Structure	Frequencies Below 40 HZ	Frequencies 40Hz or Greater		
Modern Homes - Drywall Interiors	0.75	2.0		
Older Homes - Plaster on Wood Lath for interior Walls	0.50	2.0		

#### Airblast Overpressure 11.

The peak airblast overpressure at any inhabited building not owned or controlled by the developer shall not be allowed to exceed 133 decibels (linear) when measured by an instrument with a high pass system and a lower frequency limit of 2 Hz. OL

12. Pre-Blast Safety Meeting

> Prior to any blasting, the blasting contractor will conduct a pre-blast safety meeting with all contractors to familiarize them with blast signals and precautions.

ý.		

#### 13. Personnel

Employees of (Blasting Contractor) will be trained in the use and handling of explosives.

14. Transportation and Storage of Explosives

Description of proposed transportation and storage of explosives. The Buck Post ->

15. Record Keeping/Reporting Requirement

At the conclusion of blasting, the blasting contractor will submit a report to the Fire and Planning Departments including a summary of the project, amount of actual quantity (cubic yards) of rock blasted and removed, and all seismograph records from each of the blasts.

Signed, Alan WML John D

(Blasting Contractor) Maine Dmilling & Blasting

.14 Thousportation & Stomage: Explosive will be transported to the Frank the Slast Site IN an approved I are ungazine tweet mounted with all State & Frederical Licensia IN the truck.

Explosives will be Stoned ON site in appoint that mounted inequirine & Burget back to an Jennithal Stonege Facility at the End OF the day. NO overnight stonege will be allowed.

making it happen

Maine Drilling & Blasting

#### **BLAST NOTIFICATION**

Dear Property owner/tenant;

We at Maine Drilling & Blasting would like to take this opportunity to introduce you to our company and advise you that we have been selected to conduct a rock drilling and blasting operation for a foundation Lot 7 on Ice Pond Drive for Chase Excavating.

We would like to offer you a pre-blast survey of your building, at no cost to you. This is done to document any pre-existing conditions. If you had one done previously when we were in the area we still have it on file, you don't need to unless you want it done. We have hired Brian Skehan Pre-blast and seismic monitoring to perform independent pre-blast surveys. If you would like a to have a survey performed, please contact Brian Skehan at (207)-458-4504 as soon as possible as the project will commence on or after October 3,2018, we will be glad to call you prior to each blast. If you would like to be placed on the call list let us know.

The site will be well marked with highly visible signs that detail the whistle warning sequence that will be sounded prior to commencement of each blast. All blasting operations will be conducted during daylight hours and no explosives will be stored at the construction site overnight.

If you happen to be in the building during the initiation of the blast, you may experience low levels of ground vibration. We will strive to minimize the amplitude of the blast and will be utilizing the most advanced technologies available to the blasting industry to measure the seismic effect of the area. Please be assured that ground vibrations associated with the blasting will not exceed the established limits that could potentially cause damage.

If you have any questions or concerns we encourage you to contact our at office (207)-582-2338- X1684, from the hours of 8:00 AM to 4:30 PM and we will respond to your concerns in a timely manner.

Sincerely,

James Thomas Safety Department

Maine Drilling & Blasting, Inc. P.O. Box 1140 423 Brunswick Avenue Gardiner, ME 04345 207.582.2338 207.582.8794 FAX Divisional Offices
Connecticut 860.242.7419
Maine 207.582.2338
Massachusetts/RI 508.478.0273
New Hampshire 603.647.0299
New York 518.632.9170
Pennsylvania Vermont 717.866.8981



#### Maine Drilling & Blasting

Maine Drilling & Blasting



#### Carbon Monoxide Notice

Dear Neighbor:

We are sending this letter to inform you that we will be blasting ledge in for trench work at Lot 7 Ice Pond Dr. Portland.

As required by City Ordinance, prior to any blasting, neighbors within (250, 500, 600,) of blast area shall be notified in writing to the blast.

We will be blasting on or around October 3 2018. We expect the blasting to last for 4 to 5 days,. By City Ordinance, blasting will occur between 9:00 am-4:00 pm, Monday thru Friday. The Procedure for the blast will be as follows: Just before the blasting is due to begin, a horn will sound to signal people in the immediate area of the upcoming blast. The horn will blow in the following sequence.

3 Long horns -5 minutes before the blast

2 long horns-1 minute before blast

1 long horn -All clear to proceed.

Please note: toxic gases, including carbon monoxide (CO), are a by product of the detonation of explosives (CO) is a poisonous, colorless, and tasteless gas. Exposure to raised levels, of (CO) can be hazardous or deadly, it is possible instances of incomplete combustion of explosives and where an open pathway is present, for (CO) to travel from the blast site into nearby buildings. The Portland Fire Department encourages all Portland residents to install (CO) detectors in their home or work place to prevent exposure to hazardous levels of (CO). (CO) detectors should be installed in the basement or on first floor of structures.

City of Portland Fire Prevention Bureau 207-874-8405 City of Portland Development Review Coordinator 207-874-8632 City of Portland Inspections Division 207-874-8703

For damage complaints, please call the Fire Prevention Bureau to log the complaint and request inspection and documentation of the damage.

Please do not hesitate to call if you have any question or concerns at 207-203-1684

Sincerely,

Jim Thomas

Maine Drilling & Blasting, Inc. P.O. Box 1140 423 Brunswick Avenue Gardiner, ME 04345 207.582.2338 207.582.8794 FAX Divisional Offices
Connecticut 860.242.7419
Maine 207.582.2338
Massachusetts/RI 508.478.0273
New Hampshire 603.647.0299
New York 518.632.9170
Pennsylvania 800.422.4927
Vermont 802.479.3341

9/19/2018 ice Pond Dr

Job Name: kd Date:

PRE-BLAST REPORT

To: Shawn From: Jim

making it happen

Comments

Map & Lot

WATER QUALITY TEST

Pre Survey Completed

3 Contact

NOTICE Call Door 2 Contact list Hanger

Phone

Last Name

First Name

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State

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Mailing Address

Physical Address

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749-5343 843-259-9116 835-0257

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No response
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STRUCTURES LISTED ARE WITHIN 250FT OF BLASTING AREA



### CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 3/22/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER. IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(les) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s). FAX (A/C, No): PHONE (A/C, No. Ext): 855-874-0123 E-MAIL ADDRESS: USI Insurance Services LLC 3 Executive Park Drive, Suite 300 Bedford NH 03110 NAIC # INSURER(S) AFFORDING COVERAGE 22667 INSURER A : Ace American Insurance Company 26247 INSURER B: American Guarantee & Liability Ins Co MAINEDRI INSURED Maine Drilling & Blasting, Inc. INSURER C P.O. Box 1140 INSURER D Gardiner ME 04345 INSURER E: INSURER F REVISION NUMBER: **CERTIFICATE NUMBER: 1310546168** COVERAGES THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. POLICY EFF POLICY EXP (MM/DD/YYYY) (MM/DD/YYYY) ADDL SUBR INSD WVD LIMITS POLICY NUMBER TYPE OF HISURANCE 8/1/2017 8/1/2018 EACH OCCURRENCE \$ 1,000,000 COMMERCIAL GENERAL LIABILITY HDOG27851460 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 250,000 CLAIMS-MADE | X | OCCUR \$ 10,000 MED EXP (Any one person) BI/PD Ded:\$50K PERSONAL & ADV INJURY \$ 1,000,000 Х Contractual Liab GENERAL AGGREGATE \$ 2,000,000 GEN'L AGGREGATE LIMIT APPLIES PER: PRODUCTS - COMP/OP AGG | \$ 2,000,000 POLICY X PRO-OTHER: COMBINED SINGLE LIMIT (Ea accident) 8/1/2017 8/1/2018 S 1,000,000 AUTOMOBILE LIABILITY CALH09088234 BODILY INJURY (Per person) ANY AUTO ALL OWNED AUTOS BODILY INJURY (Per accident) SCHEDULED AUTOS NON-OWNED PROPERTY DAMAGE (Per accident) S Χ Χ HIRED AUTOS AUTOS \$ 8/1/2017 8/1/2018 AUC019951501 EACH OCCURRENCE \$ 10,000,000 UMBRELLA LIAB Χ В OCCUR AGGREGATE \$ 10,000,000 EXCESS LIAB CLAIMS-MADE DED X RETENTION \$ \$0 8/1/2017 8/1/2018 X PER STATUTE WLRC48032813 WORKERS COMPENSATION AND EMPLOYERS' LIABILITY E.L. EACH ACCIDENT \$ 1,000,000 ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Ν N/A E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 (Mandatory in NH)
If yes, describe under
DESCRIPTION OF OPERATIONS below E.L. DISEASE - POLICY LIMIT \$ 1,000,000 DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) CANCELLATION **CERTIFICATE HOLDER** SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. City of Portland 101-01-90024 389 Congress St. AUTHORIZED REPRESENTATIVE Portland ME 04101

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USA



# STATE OF MAINE - DEPARTMENT OF PUBLIC SAFETY OFFICE OF STATE FIRE MARSHAL 45 COMMERCE DR STE! AUGUSTA, ME 04333-0001

## Permit for Explosives User

Permit: USR614

In accordance with the provisions of M.R.S.A. Title 25, Chapter 2473, permission is hereby granted for use of explosives as described herein:

A copy of this pormit must be affixed in all trucks and magazines.

Company Address MAINE DRILLING & BLASTING, INC.
Company Address 432 BRUNSWICK AVENUE PO BOX 1140, GARDINER, ME 04345-1140

Permit Date:

03/17/2016

Explication Date:

03/16/2019

John E Moras

COMMISSIONER OF PUBLIC SAFETY

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#### BLAST NOTICE

Maine Drilling & Blasting will be blasting at Lot 7, Ice Pond Drive, Portland, ME . Blasting shall begin on or about Oct.  $8^{th}$  and will continue for 4 to 5 days.

Warning whistles will notify persons in the immediate area of blasting:

- 3 Whistles 5 Minutes
- 2 Whistles 1 Minute
- 1 Whistle All Clear

If you would have any questions / concerns or would like to be added to a call list please contact me at 207-203-1684 from the hours of 8:00 AM to 4:30 PM. Your call will be answered in a timely manner.

Portland Ruess Heard

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