



PORTLAND MAINE

Strengthening a Remarkable City, Building a Community for Life • www.portlandmaine.gov

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: Capt. David P. Bell

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. Project: *Hose Foundation*
2. Project Location: *Lot # 7 Ice Road Du Portland, Me*
3. Estimated Quantity (cubic yards in-ground measurement) of rock to be Blasted: *175*
4. Number of Separate Blasts Planned: *10*
5. Pre-Blast Survey

Maine Drilling & Blasting 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

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 See Back*

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

- Description of Test Blast, Drill Pattern
- Description of Production Blasting, Drill Pattern
- Explosives to be used during wet and dry conditions

7 Planned Blasting Program:

- * MDB will perform a test blast @ the Furthest point of the Foundation from Existing houses. We will be drilling a 3" hole on a 5'x6' drill Pattern
- * Production Blast will start behind the test blast utilizing a 3½" hole on a 6'x7' drill Pattern
- * Explosives used will be 3/4 16 Boosters to prime the hole & 2" x 16" & 2½" x 16" Blaster for wet holes. Dry holes will be loaded with a 3/4 16 booster & ANFO.
- * The holes will be stemmed with 3/8" clean crushed Stone @ the 5' mark of hole
- * Matting: MDB will be using 12' x 12' & 12' x 16' Rubber blasting mats plus some overboarder left by the Excavator.
- * Blasting signs will be placed on Ice Pond Drive as you come off from Ledgewood Dr. They will be Blast Warning signs depicting the International Blast Warning Signet as described in # 8

- Stemming material in depth
- Description of matting used to prevent fly rock
- Description and location of Blasting Signs

8. Utilization of International Blast Warning:

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

9. Hours of Blasting and Storage of Explosives *9:00 AM to 4:00 PM*

Blasting operations shall be limited to between the hours of 9:00AM 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 *Geotitel* seismograph

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

Ground Vibration Limits for Residential Structures

Type of Structure	Maximum PPV (in/s)	
	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

11. Airblast Overpressure

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. *OK*

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. *OK*

13. Personnel

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

14. Transportation and Storage of Explosives

Description of proposed transportation and storage of explosives. *See Back Page →*

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. *OK*

Signed,

Steven W McCallister
Steven W McCallister

(Blasting Contractor)

Maine Drilling & Blasting

.14 Transportation & Storage: Explosive will be transported to & from the blast site in an approved TME Magazine truck mounted with all State & Federal Licenses in the truck.

Explosives will be stored on site in approved truck mounted Magazine & brought back to an permitted Storage Facility at the end of the day. NO overnight storage will be allowed.

YOUR TRUSTED BREED

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 717.866.8981
Vermont 802.453.5138

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

PRE-BLAST REPORT

To : Shawn
From : Jim

Date: 9/19/2018
Job Name : Ice Pond Dr
Job Number: 101-01-



WATER QUALITY TEST

Comments

Pre Survey Completed

3 Contact

Door Hanger

NOTICE Call list

Phone

Last Name

First Name

Zip

State

City

Mailing Address

Physical Address

Map & Lot

Physical Address	Mailing Address	City	State	Zip	First Name	Last Name	Phone	NOTICE Call list	Door Hanger	2 Contact	3 Contact	Pre Survey Completed	Comments	WATER QUALITY TEST	Map & Lot
500 Ft Radius.															
58 Ice Pond Dr.		Portland	ME	04103	John	Willis	749-5343		19-Sep	19-Sep	19-Sep	complete 3/18			
45 Ice Pond Dr		Portland	ME	04103	Shelly	Walters	843-259-9116		19-Sep	19-Sep	19-Sep	complete 3/18			
42 Ice Pond Dr		Portland	ME	04103	Chau	Nguyven	835-4257		19-Sep	19-Sep	19-Sep	complete 3/18			
37 Ice Pond Dr		Portland	ME	04013	David	Crocker			19-Sep	19-Sep	19-Sep	No response			
21 Ice Pond Dr		Portland	ME	04103	Brandon	Genovis	240-6687		19-Sep	19-Sep	19-Sep	Will Call if wanted			
22 Ice Pond Dr		Portland	ME	04103	Jekie	Small	671-7657		19-Sep	19-Sep	19-Sep	Declined			
2 Slocum Dr		Falmouth	ME	04105	Daniel & Mary	Rely	825-0383		19-Sep	19-Sep	19-Sep	No response			
26 Ledgewood Dr		Falmouth	ME	04105	Timothy	O'Donovan	875-2885		19-Sep	19-Sep	19-Sep	complete 3/18			
30 Ledgewood Dr		Falmouth	ME	04105	Timothy	O'Donovan	875-2885		19-Sep	19-Sep	19-Sep	complete 3/18			
33 Ledgewood Dr		Falmouth	ME	04105	Timothy	O'Donovan	875-2885		19-Sep	19-Sep	19-Sep	complete 3/18			
12 Ice Pond Dr		Portland	ME	04103	Marotta, Vincenzo	Antoinette Mancusi			19-Sep	20-Sep	20-Sep	complete 9/20			
32 Ice Pond Dr		Portland	ME	04103	Dustin	Carson	938-8448		19-Sep	20-Sep	20-Sep	complete 9/25			
59 Ice Pond Dr.		Portland	ME	04103	Kim	Kalicky	650-1117		19-Sep	20-Sep	20-Sep	complete 9/25			



STATE OF MAINE - DEPARTMENT OF PUBLIC SAFETY
OFFICE OF STATE FIRE MARSHAL
45 COMMERCE DR STE 1
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 permit must be affixed in all trucks and magazines.

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

Permit Date: 03/17/2016

Expiration Date: 03/16/2019

A handwritten signature in cursive script that reads "John E. Morero".

COMMISSIONER OF PUBLIC SAFETY

BLAST NOTICE

Maine Drilling & Blasting will be blasting at Lot 7, Ice Pond Drive, Portland, ME . Blasting shall begin on or about Oct. 8th 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 Press Herald

