

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: House lot
2. Project Location: Lot #3 Ice Pond Drive (Across from #2)
3. Estimated Quantity (cubic yards in-ground measurement) of rock to be Blasted: 265 +/-
4. Number of Separate Blasts Planned: 10 +/-

5. Pre-Blast Survey

~~Megoldrick Bros~~ 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. (BECC)

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

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

Unimax, Anfo, Emgel, Weather resistant Anfo

- 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

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 Instateel seismograph

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

Ground Vibration Limits for Residential Structures

<i>Type of Structure</i>	<i>Maximum PPV (in/s)</i>	
	<i>Frequencies Below 40 HZ</i>	<i>Frequencies 40Hz or Greater</i>
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.

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.

13. Personnel

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

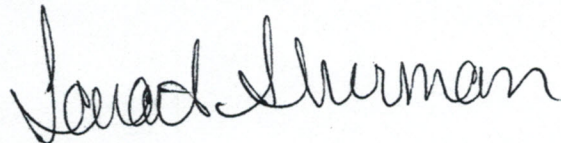
14. Transportation and Storage of Explosives

Description of proposed transportation and storage of explosives.

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,

A handwritten signature in cursive script that reads "Jacob Sherman". The signature is written in black ink and is positioned to the right of the word "Signed,".

(Blasting Contractor)



McGoldrick Bros.

BLASTING SERVICES, INC.

Date: October 6, 2017

Dear Neighbor:

We are sending you this letter to inform you that we will be blasting ledge in preparation for a new house lot at 22 Ice Pond Drive in Portland, ME.

As required by City of Portland's Ordinance, prior to any blasting, a pre-blast survey of all structures within (500) feet of the blast area shall be conducted to establish a base line against which any claims of damage caused by this blasting can be judged.

Your property is within the (500) foot radius. A pre-blast survey will be performed at no cost to you if you would like to have it done.

Pre-blast condition surveys for this project will be performed by **BECC Company**.

Please call them at **207-846-9268** A seismologist or a qualified technician working under the direction of a seismologist from **BECC Company** will then make a videotape of the interior and exterior condition of your residence. The pre-blast survey records will be kept in a locked file for a period of 6 years after the completion of blasting at which time they will be destroyed.

If you have any questions, please contact Tara at 207-892-5989.

Thank you,

Tara Sherman
Office Manager
McGoldrick Brothers Blasting Services, Inc.

Date: October 6, 2017

Dear Neighbor:

We are sending you this letter to inform you that we will be blasting ledge in preparation for a new house lot at 22 Ice Pond Drive.

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

We will begin blasting on or after the week of October 16, 2017. We expect the blasting to last for approximately a week. By City Ordinance, blasting will occur between 9:00 am – 4:00 pm, Monday through 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 the blast**
- 1 long horn- All clear for the blast to proceed.**

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

If you have any questions, please call any of the following numbers:

McGoldrick Brothers Blasting Services:	207-892-5989
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 at (207) 874-8405 to log the complaint and request inspection and documentation of the damage.

Please do not hesitate to call if you have any questions or concerns.

Sincerely,

McGoldrick Brothers Blasting Services, Inc.

OLD BARN ESTATES HOMEOWNERS
ASSOCIATION
30 LEDGEWOOD DR
FALMOUTH ME 04105

SUSAN FORBES
18 LEDGEWOOD DR
FALMOUTH ME 04105

ANGELA DIRSA
THOMAS C HANSEN
20 LEDGEWOOD DR
FALMOUTH ME 04105

SCOTT STACEY
215 HOPE AVE
PORTLAND ME 04103

VINCENZO MAROTTA
ANTOINETTE MANCUSI
12 ICE PONE DR
PORTLAND ME 04103

MARGARET SIMONS
7 BARNSLEY RD
LYNNFIELD MA 01940

STAVROS KOMBAKIS
59 OAKLEY ST
PORTLAND ME 04103

CHAU & PHUONG NGUYEN
4 TWIN KNOLLS LN
PORTLAND ME 04102

DONALD MEDD
RACHEL S SIMONS
210 COYLE ST
PORTLAND ME 04103

ERIC STODDARD
PO BOX 10
SOUTH PARIS ME 04281

TPO PROPERTIES LLC
30 LEDGEWOOD DR
FALMOUTH ME 04105

TERESA & WILLIAM
47 ICE POND DR
PORTLAND ME 04103

DAVID & ELIZABETH CROCKER
37 ICE POND DR
PORTLAND ME 04103

BRANDON GERVAIS
7 MARION ST
LEWISTON ME 04240

Daniel Kelly
& Stacey DR
Falmouth, ME 04105

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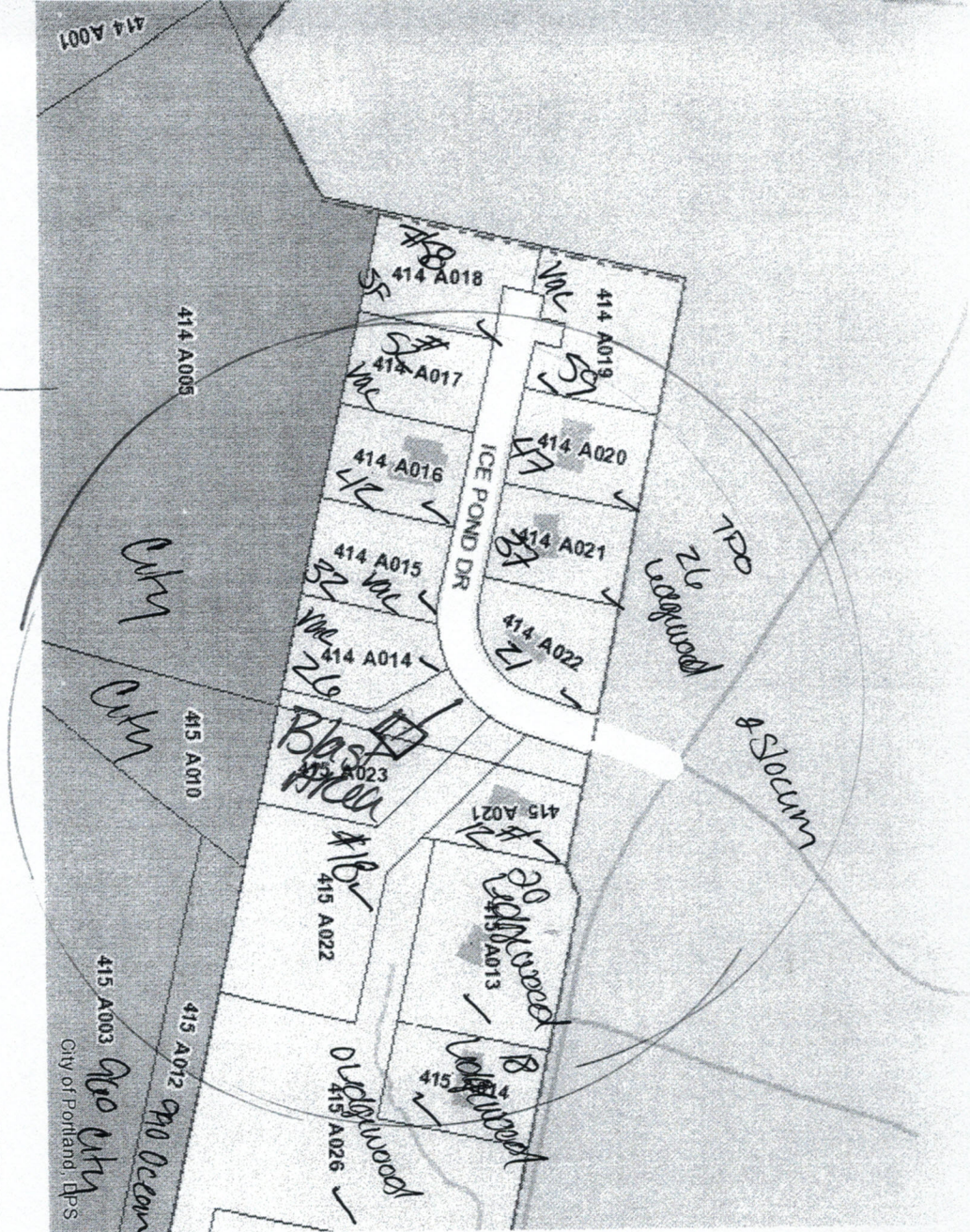
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415 A026

City of Portland, DPS

City Prop



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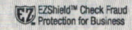
McGoldrick Brothers Blasting Services, Inc.

McGoldrick Brothers

Blasting Services, Inc.
11 Cherry Lane
Windham, ME 04062
207-892-5989



America's Most Convenient Bank®
52-7445/2112



10/6/2017

PAY TO THE ORDER OF City of Portland

\$ **50.00

Fifty and 00/100 ***** DOLLARS

City of Portland
Fire Prevention
380 Congress Street
Portland, ME 04103



[Handwritten Signature]
AUTHORIZED SIGNATURE



MEMO Lot #3 Ice Pond Drive Blasting Permit

⑈021358⑈ ⑆211274450⑆ 029186469⑈

McGoldrick Brothers

City of Portland

10/6/2017

21358

50.00

Peoples checking Lot #3 Ice Pond Drive Blasting Permit

50.00

McGoldrick Brothers

City of Portland

10/6/2017

21358

50.00

Peoples checking Lot #3 Ice Pond Drive Blasting Permit

50.00

Security features. Details on back.