

CITY OF TORRINGTON
PLANNING & ZONING COMMISSION
SPECIAL EXCEPTION APPLICATION

Fee: \$210.00 (includes \$60.00 state tax)

Date of Application: _____ Hearing: _____ Decision: _____

Location of Property/Address: 637 & 659 Winsted Road

Assessor's Map: 236 Block: 81 Lot: 10,9" Zone: LD (637) Area: 20.976 +/- Acres

Applicant: AJK, LLC

Applicant's Address 179 Colebrook River Road, Winsted, CT 06098

Applicant's Signature: _____

Phone: 860 Fax: 860-379-1547 E-mail: mountaintop1984@gmail.com

Owner: SAME AS Applicant

Owner's Address: _____

Phone: _____ Fax: _____ E-mail: _____

Owner's Signature: ** _____

**If the owner and the applicant are different entities, a written authorization letter from the owner must be attached to this application.

Describe the Proposed Project: Renewal of Earth Excavation permit

Section(s) of the Zoning Regulations giving the Planning and Zoning Commission authority to grant the Special Exception(s): 6.4 Excavations

Describe the Special Exception(s) sought: Renewal of Existing Earth Excavation Permit

Is there a conservation or preservation restriction on the property? Yes No
Conservation and/or Preservation Restrictions: If the property subject to the Special Exception approval has a conservation or preservation restriction on the land, the holder of the restriction is required to be noticed of the application. The applicant must notify the holder of the land restriction regarding the application by certified mail, return receipt requested, no later than 60 days prior to the filing of the application. In lieu of such notice the applicant may submit a letter from the holder of such restriction (or their agent) verifying that the application is in compliance with the terms of the restriction.

Are there wetlands on the property or construction or drainage within a regulated wetlands area? (75 feet from wetlands and 100 feet from watercourse or water body) Yes No
If yes, has an application been submitted to the Inland Wetlands Commission? Yes No

Is this property within 500 feet of another municipality? ____ Yes No

Name the municipality: N/A

Explain reasons for granting this special exception. List any proposed safeguard and conditions:

Refer to Existing Approval

Is a site plan application being filed for this project at the same time as this Special Exception application? ____ Yes No

Important Information for the Applicant

1. **Application:** The applicant must submit eight (8) copies of this application.
2. **Survey:** The application must submit eight (8) copies of an up-to-date Class A-2 survey of the property and improvements prepared by a land surveyor registered in the State of Connecticut.
3. **Site Plan:** The applicant must submit eight (8) copies of a site plan. All plans shall be prepared, signed and sealed by a professional engineer, landscape architect, land surveyor or architect - whichever is appropriate. The professional engineer, landscape architect, land surveyor or architect must be registered in the State of Connecticut. All plans shall be based on an A-2 survey. The scale of the plans shall be a minimum of one inch equals forty feet. The plans shall include the following information:
 - A. Date, north arrow, and scale;
 - B. Existing and proposed contours at two foot intervals;
 - C. Existing major landmarks such as wetlands, streams, floodplains, rock outcropping, tree lines, etc;
 - D. Construction limit line identifying all those areas to remain undisturbed and in their natural state;
 - E. The location, size and species of significant trees and all specimen trees as required in *Section 5.16*;
 - F. Proposed parking and loading areas including stalls, driveways, and aisles; dimensions, curbing, landscaping, turning radii and identification of proposed surface material shall be shown;
 - G. The sight distance for proposed driveways;
 - H. Proposed lighting plan including the location, size, height, and intensity of all lighting fixtures;
 - I. Proposed landscaping plan showing the Latin and common name of the species used, quantity of each plant species and the size and height of the plants at the time of planting; the landscaping plan shall be signed by a landscape gardener or landscape architect;
 - J. The location and design of all existing and proposed sanitary sewer, storm drainage, water, electrical, natural gas and other utilities; all engineering improvements shall be accompanied by appropriate data in accordance with good engineering practice;
 - K. Proposed location and screening of all trash receptacles;
 - L. The proposed size, colors, location and lighting of all signs;
 - M. Architectural plans as described in *Section 8.5.10*;

- N. An informational table showing:
 - a. existing use of the property;
 - b. proposed use of the property;
 - c. zone in which the property is located;
 - d. size of the property in square feet or acres;
 - e. gross floor area of existing structures;
 - f. gross floor area of proposed structures;
 - g. total impervious surface;
 - h. building height in feet and number of stories;
 - i. number of parking spaces required;
 - j. number of parking spaces provided;
 - k. number of loading spaces required;
 - l. number of loading spaces provided;
- O. A vicinity map at a scale sufficient to show:
 - a. parking areas and driveways on all properties within 100 feet of the site;
 - b. all streets within 100 feet of the site; and
 - c. all zone boundaries within 100 feet of the site;
- P. Any information needed by the Commission to determine compliance of the plan with the zoning regulations.

4. Public Notice Sign:

The applicant shall obtain from the Planning and Zoning Department a sign notifying the public of the hearing. A \$120.00 refundable deposit shall be made by the applicant to cover the cost of the sign. The sign shall conform to the following requirements:

- a. The applicant shall post the sign in a conspicuous location on the property affected by the application;
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Failure to post and maintain this sign shall be grounds for the denial of the application.

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At least ten (10) days prior to the public hearing, the applicant shall send, by certificate of mailing, a notice of the public hearing to all persons whose property is adjacent to the property affected by the application. Evidence of the mailing shall be presented to the Planning and Zoning Department at or before the public hearing.

- 6. Questions regarding this application can be directed to the Planning and Zoning Department at (860)489-2221 or 489-2220.

OFFICE USE ONLY

Is this property within 500 feet of another municipality? ____ Yes ____ No

If yes, the town(s) is: _____

Date town(s) was/were notified of public hearing: _____

Previous ZBA and P&Z applications at this location:

Departmental Comments:

If this application meets with your approval, please sign and date. If it does not, please attach a separate sheet with your comments:

Traffic Department: _____

Fire Department: _____

City Planner: _____

Building Department: _____

Engineering Department: _____

(Revised 3/14)

CITY OF TORRINGTON
PLANNING & ZONING COMMISSION
SPECIAL EXCEPTION APPLICATION

Fee: \$210.00 (includes \$60.00 state tax)

Date of Application: 12/3/19 Hearing: _____ Decision: _____

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Assessor's Map: 236 Block: 01 Lot: 10.11 Zone: LP (637) LB (659) Area: 20.976 +/- AC.

Applicant: AJK, LLC

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Applicant's Signature: [Signature]

Phone: 860-307-7157 Fax: 860-379-1547 E-mail: mountaintop1984@gmail.com

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Owner's Address: _____

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Fire Department: _____

City Planner: _____

Building Department: _____

Engineering Department: _____

(Revised 3/14)

**PROJECT REPORT
FOR EARTH EXCAVATION PERMIT (RENEWAL)**

PREPARED FOR

AJK, LLC

**637 & 659 WINSTED ROAD (ROUTE #800)
TORRINGTON, CONNECTICUT**

PREPARED BY

DSM, LLC

**617 BEACH STREET
GOSHEN, CONNECTICUT 06756**

October 10, 2023


Dennis S. McMorrow, P.E.

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Regulations**

Realty Securities Incorporated Report dated January 2005

PROJECT DESCRIPTION

The project consists of excavating and processing of soil and rock with the associated equipment to ultimately create developable areas on the site. The access to the project is over a 50 ft. right of way from Winsted Road. Please refer to the site plans for additional information. Per the City of Torrington Zoning Regulations, Section 6.4 – Excavations, the application shall submit the information for Section 6.4.6. Please refer to the appendix for this information. Please note that the restoration plan which was done in the prior years by South Farms Nursery is included. We are also submitting waiver requests of Sections 6.4.2 Setbacks and 6.4.4 (Excavation) Slopes. Please refer to the appendix for this waiver requests.

SITE DESCRIPTION

637 Winsted Road is a 19.818+/- acre parcel, zoned IP, located on the northwesterly side of Winsted Road. The access to the parcel is a 50' right of way opposite the on and off ramp for Route #8. In general, the site slopes down from a ridge line towards the northwesterly corner and from the ridge line towards the southeast. The existing site is principally cleared. For the 2023 renewal, the area for the quarrying activity is shown as the heavy shaded dashed line on the grading plan. This active area is 12.5+/- acres, including the area on 659 Winsted Road. We are requesting that the active area for the 2023 to 2025 renewal be increased to 13.1+/- acres. This is so the applicant can reach the back of the mine and start the benching required by the site grading plan and create the access to the back of the proposed mine per this application. The benches must begin at the top and work down towards the floor of the quarry. The floor of the existing mine will be utilized for crushing and material storage as it is currently. The blasting operation will follow the guidelines contained in the report by Mr. Richard Hosley, Realty Securities Incorporated, dated January 2005. A copy of the report in the appendix.

659 Winsted Road is a 1.158+/- acre parcel, zoned LB (Local Business), located on the northwesterly side of Winsted Road and abuts the quarry operation. The access to the parcel is from the 50' right of way on 637 Winsted Road. In general, the site slopes down to the front left corner of the property. The existing site is principally cleared.

SOILS

There are no wetlands soils on this property based on a report from Tom Stansfield, which was part of the original application in 2005.

DRAINAGE

There are no changes to the approved drainage concept. There is one temporary sediment basin proposed at the entrance of the project. This basin collects and treats the water from the front of the project. All other runoff is collected within the mine and is absorbed into the ground. Please refer to the site plans for additional information.

SANITARY

There is no proposed connection into the existing sanitary sewer main, which is located in Winsted Road. This will be part of a future site plan proposal.

DOMESTIC WATER

There is no proposed connection into the existing water main, which is located in Winsted Road. This will be part of a future site plan proposal.

EROSION AND SEDIMENTATION CONTROL NARRATIVE

Construction Sequence

I. Start and Completion Dates:

Start Date: Fall 2023

Completion Date: Fall 2025 (Application Renewal Date)

-Obtain all permits

-Notify "Call Before You Dig" for utility marking.

-Notify all applicable town and state officials of start date.

-Install sediment fence at the toe of all proposed fill slopes and as shown on the site plans and install construction entrance.

-Clear and grub all areas of excavation. (Do not clear more than 5 acres without prior authorization from the planning commission.)

-Remove and stockpile topsoil in all areas of excavation and fill. Stockpiles to be seeded with annual rye grass and mulched.

-Place and compact gravel subbase.

-Place and compact millings.

-Place a minimum of 4" of topsoil on access driveway shoulders.

-Topsoil to be fertilized, seeded and mulched immediately.

APPENDIX

General Requirements

- Erosion and sedimentation control measures to be installed at the toe of slopes or as shown on the plans.
- All measures to be installed prior to ground disturbance.
- Topsoil to be stripped, stockpiled and seeded in all areas of proposed grading.
- Erosion control measures to be maintained throughout the construction process until disturbed areas are stabilized.
- Additional control measures may be necessary.
- The owner of record / contractor shall be responsible for the installation and maintenance of erosion controls.
- The responsible person in charge is: Mr. Daniel Stoughton 860-307-7157
- All erosion and sedimentation controls to be installed in accordance with the 2002 CT Guidelines for Soil Erosion and Sediment Control handbook.

Maintenance of Erosion Controls

- Erosion controls to be maintained throughout the construction process.
- All measures to be checked weekly and / or prior to predicted rainfall.
- All measures to have silt removed prior to predicted rainfall or as required.
- All silt to be disposed of outside of any construction areas such as roadways, driveways, and buildings.
- All silt to be disposed of in a proper manner.

Dust Control

The purpose of dust control is to prevent blowing and movement of dust from exposed soil surfaces and reduce the presence of dust which may cause off-site damage.

Possible Methods:

a. Water

The exposed soil surface should be moistened periodically with adequate water to control dust.

b. Calcium Chloride

Place loose dry granules through a spreader at a rate that will keep the surface moist. • This method to be used when other methods are not practical.

Maintenance

Temporary methods to be repeated as needed to accomplish control.

Information for Section 6.4.6 of the Zoning Regulations

October 10, 2023

Information for 6.4.6

- A. Hours of Operation:**
1. Operations are proposed between the hours of 7:00 a.m. and 5:30 p.m. Monday through Friday. Routine maintenance may be performed Monday-Friday with no hourly restrictions and on Saturdays. The quarry shall not operate on Sundays or on any of the following holidays: New Year's, Memorial Day, July 4th, Labor Day, Thanksgiving, Christmas and Good Friday.
 2. No blasting is to occur on Saturdays, Sundays, on any of the above holidays, or on any six weekdays designated by the Elks Club. Blasting is to occur only between the hours of 9:30 a.m. and 4:30 p.m.
- B. Proposed Processing:**
1. The operation shall consist of drilling, blasting and hammering (for oversized rocks) then transported to the crusher for processing. (crushing and screening). The crushing operation will employ water spray technology to suppress dust.
- C. Location:**
1. Site Grading Plan for the period of 2023 through 2025.
- D. Methods of Excavation:**
1. Excavation methods for the rock will include drilling, blasting and hammering. The shot rock will be transported to the crusher by front end loaders and/or off road dump trucks. Excavators will be used for the sorting of rock and loading the crushers. Loaders will be used for moving material from plants. Excavators with hydraulic hammers will be used to break oversized rocks.
- E. Location/Frequency of Blasting:**
1. All blasting for the 2023 to 2025 permit will be in the area shown on the Site Grading Plan. Blasting will occur one (1) to two (2) times a week, unless market and/or weather conditions dictate otherwise.

AJK, LLC
Operated by Mountain Top Trucking
Winsted Road – Torrington, CT

October 10, 2023

- F. Entrance of Proposed Driveways, Fences, Gates and Topsoil Storage Areas:**
1. Please refer to Site Plan for details of proposed driveways, fences, and topsoil storage area.
 2. Entrance will be a cable or gate closing off access.
- G. Proposed Location of Equipment:**
1. All machinery on site will be mobile.
- H. Truck Frequency:**
1. The gravel pit/quarry facility is expected to generate 100 trips a day with a maximum of 10 trucks (20 trips) utilizing the access road during peak use hours.
- I. Duration of Project:**
1. The estimated duration of the project will be an additional four (4) years based on the current economy. Anticipated remaining amount of material will be 280,000 cubic yards per the grading plan for this renewal. For estimated depth of excavation below existing grade please refer to Site Plan.

Waiver Requests for Sections 6.4.2 and 6.4.4 of the Zoning Regulations

October 10, 2023

To: Planning & Zoning Commission
City of Torrington

RE: Wavier Requests
AJK, LLC
Earth Excavation Permit
Winsted Road
Torrington, CT

The applicant hereby requests waivers from the following zoning regulations for the 2023 to 2025 renewal:

Sec. 6.4.2

#1. Setbacks: A small area along the west property line, the rock broke back into the 50' buffer, but not closer than 25' to the property line. Per 6.4.2.c the commission may allow this if it would allow for better future development. This area is noted on the site plan and additional plantings are proposed on the restoration plan.

#2. The area where fill was placed on the Elk's property is still being removed. This area is shown along the southwest property line adjoining the Elk's. The applicant has removed most of this fill encroachment. A small area remains. The access driveway was removed from the 50' buffer area. The restoration of this area can be done during this 2 year renewal period. The area is noted on the site plans and on the restoration plan.

Sec. 6.4.4

(Excavation) Slopes: Finish slopes to exceed the maximum one foot vertical to two feet horizontal when in rock cuts as shown on the site plans.

Realty Securities Incorporated Report dated January 2005



REALTY SECURITIES INCORPORATED
Explosive Engineering, Consulting & Exports



PRESENTS

**A FOCUS ON THE EXECUTION AND IMPACT OF BLASTING RELATIVE
TO THE SITE GRADING PLANS PREPARED BY AJK, LLC FOR THE
WINSTED ROAD, TORRINGTON, CONNECTICUT INDUSTRIAL PARK SITE**

PREPARED AT THE REQUEST OF THE APPLICANT

JANUARY 2005

Richard M. Hosley, Jr.

OVERVIEW

Realty Securities, Inc. was contracted by AJK, LLC to assess the effects of utilizing explosives as a means of removing bedrock for site work development at the Industrial Park Site, Winsted Road, Torrington, Connecticut. The scope of this assessment is to focus on the effects of blasting to ensure protection of the adjacent properties, the property owner, and individuals working or residing on or adjacent to the site.

LOCATION

As shown on the "Preliminary Site Grading Plan" prepared by Berkshire Engineering & Surveying, the proposed excavation includes construction and site work for an industrial park located in Torrington, Connecticut. The location is off Winsted Road, (Route 800), an area south and east of the Paugnut State Forest and west of the Torrington Elks Lodge property. The property slopes to the north and northeast toward the State of Connecticut property, Paugnut State Forest.

PRE-BLAST PLANNING

The primary emphasis of Blast Planning for the "Winsted Road Industrial Site" will be the safety of all parties involved. Review of the blasting area and its surroundings are necessary to identify unique hazards. A Blast Planning Guideline is attached. A notice of blasting, distributed to residences and business adjacent to the "Winsted Road Industrial Site" will help to keep neighbors informed. An example of blasting notification is also included for reference. The distances to all the structures within the blast design proximity will be noted. When blasting in the vicinity of structures, a Pre-blast Survey should be conducted by an independent third party, not by the blasting contractor or developer. The fee for conducting the Pre-blast Survey is not charged to the homeowner, but is part of the development costs. The Pre-blast Survey serves two purposes:

1. To improve communication between the developer, the explosives engineer and the community.
2. To provide a record of the condition of a structure for use in developing and assessing the blast design and its effects

The structures within the radius to be surveyed prior to blasting are generally identified by the blast design and the public relations team. Based on the estimate of blasting and the guidelines of the United States Bureau of Mines and Office of Surface Mining, structures within 200 feet of the blasting areas shall be surveyed. Within this distance, other structures may require special attention, i.e. wells, cisterns and other water systems. The condition of the Goodwin Pond Dam, specifically should be surveyed.

The Blast Planning Guidelines (attached) can be updated with a concurrent review of the blast design, test blast and implementation results. Focus shall be centered on the existing elevation of Goodwin Pond relative to excavations of the Winsted Road Industrial Park Site. Upon review of the proposed site, in conjunction with a review of the "Preliminary Site Grading Plan", it appears that desired excavation elevations will be above the elevation of the Goodwin Pond. Coordination of the construction of detention basins, for water quality monitoring and sedimentation control, prior to site work excavation, will help to document run off conditions. Rock blasting starting at the lower elevation and progressing higher in elevation will direct flow and control water run off into basin for monitoring and filtering.

CONCURRENT REVIEW OF THE BLAST DESIGN

Detailed documentation of the blasting and blast design will be maintained by the licensed explosives engineer and the blasting contractor. Detailed documentation, above and beyond all applicable local, state and federal regulations concerning blasting, shall be made available for review by the local and state fire marshals.

Seismic monitoring is the best method for documenting blast vibrations and sound levels generated from blasting. Seismograph records provide a history of information regarding vibration events relative to potential damage thresholds. Seismograph records also describe at which point during the blast the greatest environmental effects (sound, vibration) take place. By altering explosive detonation time intervals and charge weights, an explosives engineer can significantly reduce ground motion and hence, overbreak. Communication between the public and the explosives engineer will help to inform the engineer of specific concerns so the he/she can modify the blast design accordingly, therefore decreasing the potential of post-blast complaints.

GEOLOGIC CONDITIONS

The AJK, LLC., proposed Winsted Road Industrial Park site is underlain primarily by metamorphic bedrock classified as gneiss, including locations of overlaid till. The common name for this geologic unit is The Highlands Gneiss. These rock formations are of common occurrence in Connecticut and are representative of rocks which have undergone a change (from their original state); a change in mineral content, texture or both due to subjection to high temperatures and great pressure from deep within the Earth. Over 400 million years in age, this geologic unit is revealed due to erosion and glaciation of what was an ancient mountain range.

The Highland Gneiss found on this property is described as a light pink to gray medium grained layered to well layered gneiss. This unit found on the "Winsted Road Industrial Park Site" has an approximate specific gravity of 2.4 - 2.9. In a processed form, this rock will make an excellent material for road or construction base. The medium grained texture, crystal alignment, and geologic structure allows for good fragmentation within areas of confined explosives distribution. In areas with little or no explosives confinement, prominent horizontal jointing contributes to oversize boulders, which required additional breakage by mechanical means (i.e. hydraulic hammer). Gneisses of this texture and structure are typically effective in the attenuation (or reduction) over distance of ground motion generated from blasting.

Vibration generated from blasting is site specific, and will vary with topography. Blasting and the processing of rock on the site is not only an example of recycling but will reduce the amount of truck traffic, which would be necessary, if rock was hauled off the site and processed (or crushed) and brought in. Continuous attention must be given to storm water run off site relative to siltation during stone processing operations.

Controlled blasting methods shall be specified, including limits of charge weights per blast delay, to control overbreak at areas outside and below excavation areas. Surface oversize cannot cost effectively be addressed with conventional drilling and blasting methods and therefore should be alleviated by utilizing track mounted hydraulic hammers. Overbreak can be controlled with line drilling, pre splitting or in some cases placing blast rounds relative to pre-existing geologic structure (i.e. joints, beds). The drilling superintendent should pay close attention to drilling depth and perimeters relative to desired excavation limits. Initial blasting in a "Critical area", a test blast in a "safe area" can be performed and reviewed. Test shots should be sized on standard scaled distance relationships and monitored for performance and vibrations beyond the area of desired excavation.

CONCLUSION

In conclusion, based on my experience as an explosive engineer, blasting for the "Winsted Road Industrial Park Site" of AJK LLC. can realistically be conducted without causing damage to the adjacent properties. The degree of assurance of safety on this site is directly proportional to the qualifications, insight and direct involvement of those responsible for the Pre-Blast Plan, Blast Design and review during implementation and execution of the blasting operations.

Respectfully submitted;


R.M. Harty
President

Fwd: FW: Winsted road

1 message

Jennie Rich <mountaintopsales1984@gmail.com>
To: Mountaintop Trucking <mountaintop1984@gmail.com>

Mon, Sep 14, 2020 at 2:55 PM

----- Forwarded message -----

From: **Martin J Connor** <Martin_Connor@torringtonct.org>
Date: Monday, September 14, 2020
Subject: FW: Winsted road
To: Daniel Stoughton <mountaintopsales1984@gmail.com>
Cc: "berkshiredsm@aim.com" <berkshiredsm@aim.com>

Hi Dan, you need to get a water truck out and get the dust under control. Not fair to nearby employees of other businesses. Treat this as a complaint for your file. It would seem car wash coupons would be appropriate.

Josh said the wind was too strong today they were watering as they are supposed to do.

Best,

Martin J Connor, AICP, City Planner
City of Torrington
140 Main Street
Torrington, CT 06790
860-489-2220

There was a high fire alert because of the windy dry conditions

From: Holly Janco <hjanco@rjbcontracting.com>
Sent: Monday, September 14, 2020 2:46 PM
To: Martin J Connor <Martin_Connor@torringtonct.org>
Subject: winsted road

CAUTION: EXTERNAL EMAIL.

Hi Marty, I don't want to keep complaining about the dirt flying thru the air, but here it is again, and we don't feel we should have to keep emailing you about this, our cars are clean then we come here and they get dust and grime all over them.

Could you or someone please go to the site on Winsted Road and figure out what they are or aren't doing?

Thank you very much..

Holly Janco

RJB Contracting, Inc.

588 Winsted Road

Torrington, CT 06790

860-496-7503

860-482-4541

hjanco@rjbcontracting.com

W: Winsted Road

message

Jeremy Leifert <Jeremy_Leifert@torringtonct.org>
a: "mountaintop1984@gmail.com" <mountaintop1984@gmail.com>
c: Martin J Connor <Martin_Connor@torringtonct.org>

Wed, Aug 26, 2020 at 2:10 P

Dan,

Please take care of these dust concerns as soon as possible and log this in your complaint file.

Thanks,

Jeremy Leifert, CZEO
Assistant City Planner
Zoning and Wetlands Enforcement Officer
City of Torrington
140 Main Street, Room 324
860-489-2221

From: Holly Janco <hjanco@rjbcontracting.com>
Sent: Wednesday, August 26, 2020 12:46 PM
To: Jeremy Leifert <Jeremy_Leifert@torringtonct.org>
Subject: Winsted Road

CAUTION: EXTERNAL EMAIL.

Hi Jeremy, it's pretty windy today and guess how much dust is flying thru the air? A lot... just letting you know

Holly Janco

RJB Contracting, Inc.

588 Winsted Road

Torrington, CT 06790

860-496-7503

860-482-4541

hjanco@rjbcontracting.com



Mountaintop Trucking <mountaintop1984@gmail.com>

Fugitive Dust complaint, AJK LLC, Winsted Rd.

1 message

Martin J Connor <Martin_Connor@torringtonct.org>

Wed, May 19, 2021 at 2:18 PM

To: "mountaintop1984@gmail.com" <mountaintop1984@gmail.com>

Cc: Jeremy Leifert <Jeremy_Leifert@torringtonct.org>, "berkshiredsm@netscape.net" <berkshiredsm@netscape.net>

Hi Dan, please get your watering truck working and/or implement whatever other measures you're using to contain dust on your site. We're receiving complaints and it's affecting Colonial Brass and other neighbors. It's a serious concern that requires immediate action.

Thanks,

Martin J. Connor, AICP

City Planner

City of Torrington

140 Main Street

Torrington, CT 06790

860-489-2220

CITY OF TORRINGTON

LAND USE OFFICE
140 Main Street • City Hall
Torrington, CT 06790-5245



Phone: (860) 489-2221
Fax: (860) 496-5928
www.torringtonct.org

Notice of Zoning Violation

USPS, Regular Mail

June 4, 2021

AJK, LLC
c/o Dan Stoughton
179 Colebrook River Road
Winsted, CT 06098

Re: Dust Control Violations – 637 and 659 Winsted Road

Dear Mr. Stoughton,

On May 19, 2021, we received additional complaints from property and business owners along Winsted Road regarding lack of fugitive dust control at your quarry site at the above address. Staff from the planning and zoning office has also observed airborne dust on your site and over Winsted Road.

This notice is being sent in addition to an email sent on by City Planner Martin Connor on May 19, 2021. As a condition of the granting of your special exception to operate at the site, you are required to “maintain fugitive dust practices” at all times while operating on the site. If you are unable to employ proper dust controls at any time, your operations are required to cease until proper controls are available and in place.

The land use office will have no choice but to issue a Cease and Desist Order requiring a halt of all operations if the conditions of your special exception continue to be in violation. Please do not hesitate to contact me or City Planner Martin Connor if you have any questions or wish to discuss this matter further. Our office can be reached at 860-489-2221 or through email at Jeremy_Leifert@torringtonct.org.

Respectfully,

Jeremy Leifert, CZEO
Assistant City Planner
Zoning/Wetlands Enforcement Official

Cc: Marty Connor, City Planner
File

COMPLAINT LOG – Q2

2020/2021

1. Carmella Heuschkel – 226 Northside Drive (860-482-6198) Complaining about blast and cracks in walls. (3/18/20)
2. Sue Breen – 291 Guerdat Road (860-483-2284) Complaining about blasting (4/2/20)
3. Diane Domonell – 301 Guerdat Road (860-482-7762) Shook her house and scared her. (4/2/20)
4. Holly Janco – RJB Contracting -588 Winsted Road (860)496-7503) Pretty windy and a lot of dust (8/26/20)
5. Holly Janco – RJB Contracting – 588 Winsted Road (860)496-7503) Dusty – cars are getting dirty (9/14/20)* Note: The wind was too strong – watering as we were supposed to – High fire alert in effect due to high winds.*
6. Martin Connor – Colonial Bronze & other neighbors – dusty (5/19/21)

Dust Complaint - Winsted Road, Torrington, CT

Messages

Nate Nardi-Cyrus <Nate_Nardi-Cyrus@torringtonct.org>
: "mountaintop1984@gmail.com" <mountaintop1984@gmail.com>

Wed, Mar 29, 2023 at 3:07 F

Hi Dan,

We received a complaint today regarding dust from your Winsted Road property. Please log this complaint and confirm you are using your water truck to control dust, per your 2021 Earth Excavation Permit.

Nate

Nate Nardi-Cyrus

Assistant City Planner/ZEO/IWEO

City of Torrington Land Use Dept.

(860) 489-2220

mountaintop Trucking <mountaintop1984@gmail.com>
: Nate Nardi-Cyrus <Nate_Nardi-Cyrus@torringtonct.org>

Wed, Mar 29, 2023 at 4:13 F

Will do, thank you.

[Quoted text hidden]

Dust Complaint - Winsted Road, Torrington, CT

Thu, Mar 30, 2023 at 4:01 F

Nate Nardi-Cyrus <Nate_Nardi-Cyrus@torringtonct.org>
<Mountaintop Trucking <mountaintop1984@gmail.com>

Dan,

We received another complaint today, please log that as well. Can you confirm that your water truck has been out today?

Nate

Nate Nardi-Cyrus

Assistant City Planner/ZEO/IWEO

City of Torrington Land Use Dept.

(860) 489-2220

From: Mountaintop Trucking <mountaintop1984@gmail.com>
Sent: Wednesday, March 29, 2023 4:14 PM
To: Nate Nardi-Cyrus <Nate_Nardi-Cyrus@torringtonct.org>
Subject: Re: Dust Complaint - Winsted Road, Torrington, CT

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Quoted text hidden]



Mountaintop Trucking <mountaintop1984@gmail.com>

Dust Complaint - Winsted Road, Torrington, CT

Nate Nardi-Cyrus <Nate_Nardi-Cyrus@torringtonct.org>
To: Mountaintop Trucking <mountaintop1984@gmail.com>

Fri, May 12, 2023 at 12:17 PM

Dan,

We received another complaint this week from Colonial Brass regarding dust, please log that. We will have staff making regular inspections to confirm the water truck is in operation and there is no visible dust leaving the site.

[Quoted text hidden]



Baystate Blasting, Inc.
Dealer # 6-MA-013-26-6K-00341

Blasting Log

Blast Location Info:
 Job Name: MT. Top Trucking
 Address of Blast: 667 Winsford Rd
 Date of Blast: 10/25/22
 Customer: MT TOP
 City: Torington State: CT.

DATE: 10/25/22
 Time: 13:45
 Operation: Quarry
 **Construction, Quarry, Trench, Open

	Shot #1	Shot #2
Water Depth:	<u>0/45'</u>	
Hole Diameter:	<u>4"</u>	
Burden:	<u>10/12</u>	
Spacing:	<u>10</u>	
Stemming:	<u>8'</u>	
Sub Drill:	<u>0</u>	

Weather Conditions: RAIN Wind Direction: _____
 Fire Detail: Yes No
 Type of Rock: Gemir Type of Terrain: Level
 Identify Hazards: Close to Town.
 Precautions Taken: Careful Design.

		Totals
# Holes:	<u>140</u>	<u>140</u>
Total Sq Ft	<u>14000</u>	<u>14000</u>
Avg. Drill Depth:	<u>51</u>	<u>51</u>
Total Drill Footage:	<u>7140</u>	<u>7140</u>
Total Pay Yards:	<u>—</u>	<u>—</u>
Total Yards Shot	<u>27766.6</u>	<u>27766.66</u>

Calculations: $(\sqrt{16/10})^{1.6} \times K = PPV$

Product Type & Size	Explosive Info	Totals
Bulk: <u>TITAN 1766</u> #	<u>44136</u>	<u>44136</u>
Anfo: #		
Anfo WR: #		
Exp. 1: #		
Exp. 2: #		
Exp. 3: #		
Exp. 4: #		
1/3lb Booster: () ea #		
1/2lb Booster: () ea #		
1lb Booster: (<u>293</u>) ea #	<u>293</u>	<u>293</u>
Total Pounds Shot: #	<u>44429</u>	<u>44429</u>

Notes:
 (35) FACE $12 \times 10 \times 51 = 7933.33$
 (105) Body $10 \times 10 \times 51 = 19833.33$
 C.F.D. TOTAL 27766.66
 GRAPH 6684 SET @ 0.5 BECAUSE OF CONST area

Product Type & Size	Detonator (unit/length)	Totals
Det 1: <u>80' 80</u> ea	<u>140</u>	<u>140</u>
Det 2: <u>40' AA</u> ea	<u>153</u>	<u>153</u>
Det 3: <u>20' #9 OR</u> ea	<u>13</u>	<u>13</u>
Det 4: <u>20' #42</u> ea	<u>10</u>	<u>10</u>
Det 5: ea		
Lead Line: <u>2500'</u> LF	<u>2500'</u>	<u>2500'</u>
Type of Cover (Dirt/Mats)	<u>Open</u>	<u>Open</u>

Seismic Monitoring Info:

SHOT #1	Graph 1	Graph 2	Graph 3
Graph (Seis) #:	<u>6684</u>	<u>18645</u>	
Event #:	<u>1</u>	<u>1</u>	
PPV:	<u>N/T</u>	<u>0.26</u>	
dB:		<u>100.3</u>	
Operator:	<u>SB</u>	<u>SB</u>	
Location:	<u>Quarry Entrance 1229 UNIT 68</u>		

SHOT #2	Graph 1	Graph 2	Graph 3
Graph (Seis) #:			
Event #:			
PPV:			
dB:			
Operator:			
Location:			

Onsite Delivery YES NO

Blaster: Scott Brothers License #: 15289 State: CT

Signature: [Signature]

Blast Design Plan

Blast Location Info:

Address of Blast: 667 W Winsted Rd

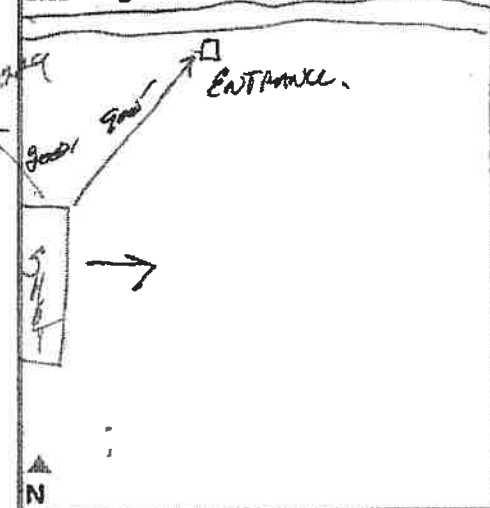
Date of Blast: 10/25/22

City: TORRINGTON

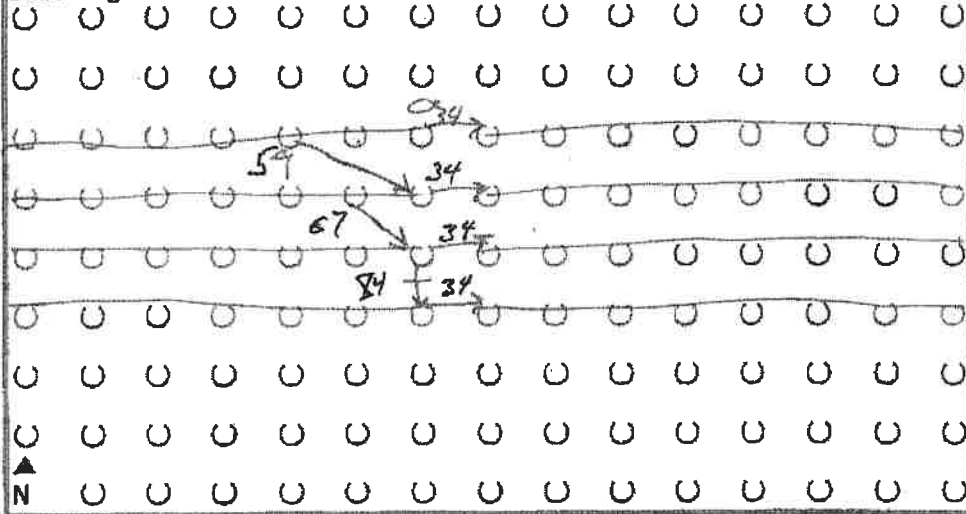
State: CT

Shot #1

Site Diagram: ****Show Structures & Distances****

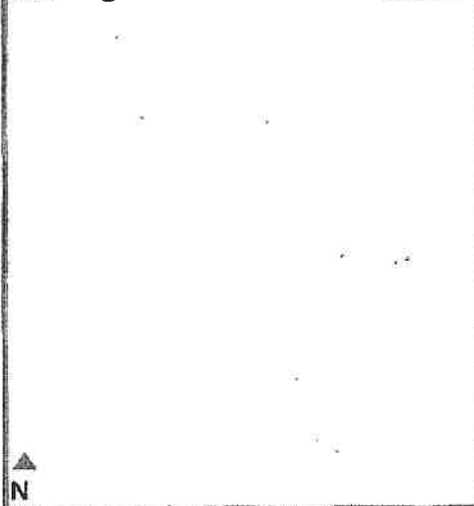


Shot Diagram:

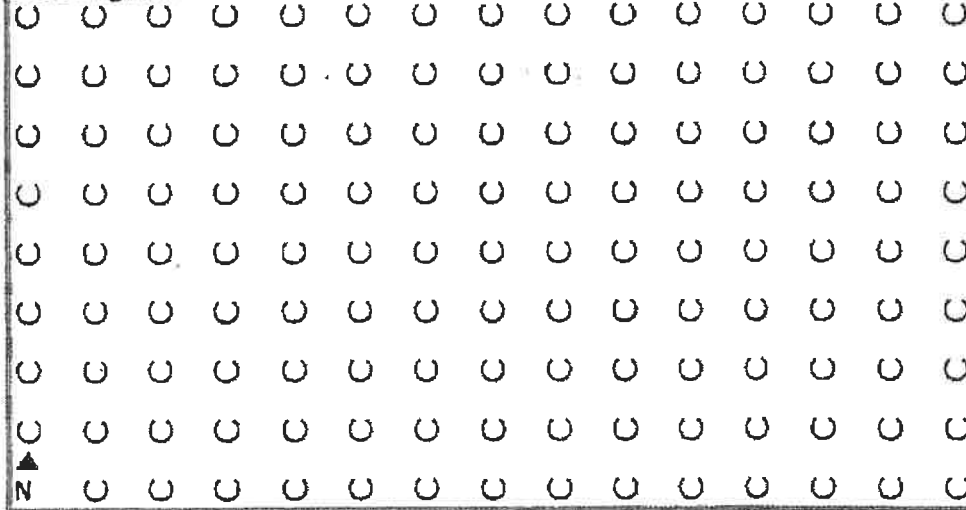


Shot #2

Site Diagram: ****Show Structures & Distances****

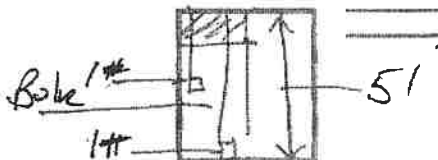


Shot Diagram:

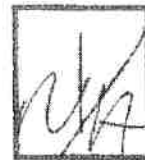


Formulas:

$SD = D / W^{0.5}$
 $PPV = K \times (SD)^{-1.6}$
 $K = PPV \times SD^{1.6}$



Typical Columns



Shot #1

Shot #2

Location of Closest Structure: 900' ENTRANCE
 Distance of Closest Structure: 900'
 Distance of Closest Borehole: 900'
 Max Holes Per Delay: 50
 Max Pounds Per Delay: 643
 Scale Distance: 35
 Predicted PPV: K Factor: 160 0.56

Location of Closest Structure: _____
 Distance of Closest Structure: _____
 Distance of Closest Borehole: _____
 Max Holes Per Delay: _____
 Max Pounds Per Delay: _____
 Scale Distance: _____
 Predicted PPV: K Factor: _____



Baystate Blasting, Inc.
Dealer # 6-MA-013-26-6K-00341

Blasting Log

Blast Location Info:
 Job Name: Quarry
 Address of Blast: 667
 Date of Blast: 6/9/23
 Customer: MT Top
 City: Torrington State: CT

DATE: 6/9/23
 Time: 12:03
 Operation: Quarry
**Construction, Quarry, Trench, Open

	Shot #1	Shot #2
Water Depth:	<u>0/00</u>	
Hole Diameter:	<u>4</u>	
Burden:	<u>10</u>	
Spacing:	<u>10</u>	
Stemming:	<u>6</u>	
Sub Drill:	<u>3</u>	

Weather Conditions: overcast Wind Direction: _____
 Fire Detail: Yes No
 Type of Rock: _____ Type of Terrain: _____
 Identify Hazards: _____
 Precautions Taken: _____

		Totals
# Holes:	<u>124</u>	<u>124</u>
Total Sq Ft:	<u>12400</u>	<u>12400</u>
Avg. Drill Depth:	<u>48</u>	<u>48</u>
Total Drill Footage:	<u>5952</u>	<u>5952</u>
Total Pay Yards:	<u>20666</u>	<u>20666</u>
Total Yards Shot:	<u>22044</u>	<u>22044</u>

Calculations: $(\sqrt{L \times D}) \times 1.6 \times K = PPV$

Notes: Shot fired with surface delays

Product Type & Size:	Explosive Info	Totals
Bulk: <u>CESTRA GOLD</u> #	<u>34202</u>	<u>34202</u>
Anfo: #		
Anfo WR: #		
Exp. 1: #		
Exp. 2: #		
Exp. 3: #		
Exp. 4: #		
1/3lb Booster: () ea		
1/2lb Booster: () ea		
1lb Booster: (<u>248</u>) ea	<u>248</u>	<u>248</u>
Total Pounds Shot: #	<u>34450</u>	<u>34450</u>

Seismic Monitoring Info:

SHOT #1	Graph 1	Graph 2	Graph 3
Graph (Sels) #:	<u>13510</u>	<u>6687</u>	
Event #:	<u>1</u>	<u>1</u>	
PPV:	<u>0.11</u>	<u>0.32</u>	
dB:	<u>69AB</u>	<u>190.8</u>	
Operator:	<u>SB</u>	<u>SB</u>	
Location:	<u>1027 NW</u>	<u>Dunwo.</u>	

Product Type & Size:	Detonator (unit/length)	Totals
Det 1: <u>60' RD</u> ea	<u>124</u>	<u>124</u>
Det 2: <u>30' RP</u> ea	<u>124</u>	<u>124</u>
Det 3: <u>20' # 9</u> ea	<u>20</u>	<u>20</u>
Det 4: <u>20' # 42</u> ea	<u>4</u>	<u>4</u>
Det 5: _____ ea		
Lead Line: <u>N/A</u> LF	<u>N/A</u>	<u>N/A</u>
Type of Cover (Dirt/Mats)	<u>open</u>	<u>open</u>

SHOT #2	Graph 1	Graph 2	Graph 3
Graph (Sels) #:			
Event #:			
PPV:			
dB:			
Operator:			
Location:			

Onsite Delivery YES NO

Blaster: [Signature] License #: 15289 State: CT Signature: [Signature]

Blast Design Plan

Blast Location Info:

Address of Blast: 66 TWINSBORO RD

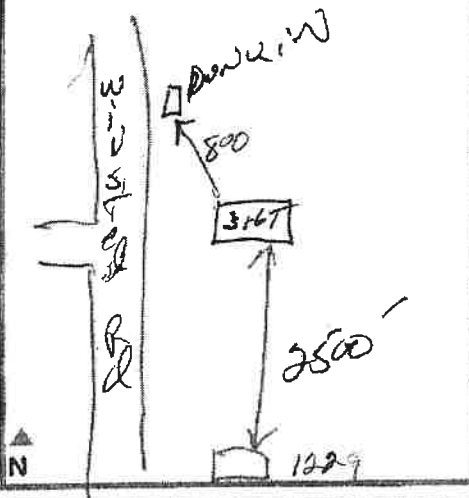
Date of Blast: 6/5/23

City: TOWNSHIP

State: RI

Shot #1

Site Diagram: ****Show Structures & Distances****

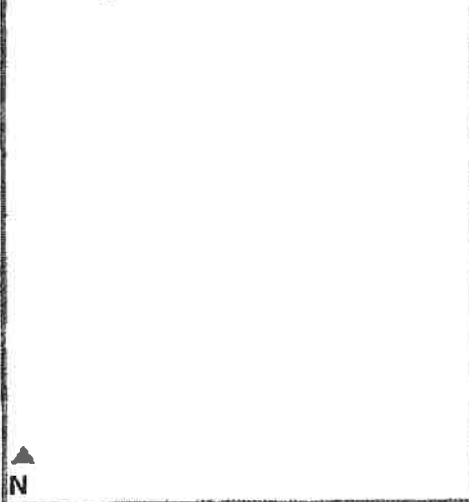


Shot Diagram:

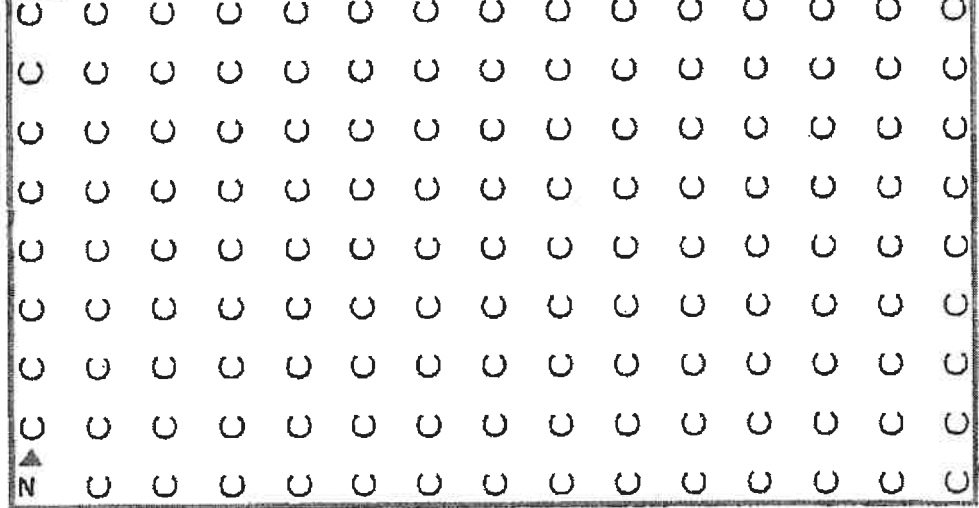


Shot #2

Site Diagram: ****Show Structures & Distances****



Shot Diagram:



Formulas:

$$SD = D/W^{0.5}$$

$$PPV = K \times (SD)^{-1.6}$$

$$K = PPV \times SD^{1.6}$$



Typical Columns



Shot #1

Shot #2

Location of Closest Structure: ankin
 Distance of Closest Structure: Front
 Distance of Closest Borehole: 800
 Max Holes Per Delay: 2
 Max Pounds Per Delay: 565
 Scale Distance: 34
 Predicted PPV: K Factor: 100 0.35

Location of Closest Structure: _____
 Distance of Closest Structure: _____
 Distance of Closest Borehole: _____
 Max Holes Per Delay: _____
 Max Pounds Per Delay: _____
 Scale Distance: _____
 Predicted PPV: K Factor: _____



Baystate Blasting, Inc.
Dealer # 6-MA-013-26-6K-00341



Blasting Log

Blast Location Info:
 Job Name: Mt Top Quarry
 Address of Blast: 667 Winstead rd
 Date of Blast: 10/11/23
 Customer: M.T. Top
 City: Torington State: CT.

DATE: 10/11/23
 Time: 11:47
 Operation: Quarry

Shot #1	Shot #2
11:47	
Quarry	

Weather Conditions: OVERCAST Wind Direction: N/A
 Fire Detail: Yes No
 Type of Rock: Granite Type of Terrain: Barren
 Identify Hazards: _____

Water Depth: 0/10
 Hole Diameter: 4
 Burden: 10
 Spacing: 10
 Stemming: 6'
 Sub Drill: 3

Precautions Taken: _____

	Totals
# Holes: <u>69</u>	<u>69</u>
Total Sq Ft: <u>6900</u>	<u>6900</u>
Avg. Drill Depth: <u>42</u>	<u>42</u>
Total Drill Footage: <u>2898</u>	<u>2898</u>
Total Pay Yards: <u>—</u>	<u>—</u>
Total Yards Shot: <u>1073.3</u>	<u>1073.3</u>

Calculations: $(\sqrt{L \times D})^{1.6} \times K = PPV$

Product Type & Size	Explosive Info	Totals
Bulk: <u>Central Gold</u> #	<u>16900</u>	<u>16900</u>
Anfo: _____ #		
Anfo WR: _____ #		
Exp. 1: _____ #		
Exp. 2: _____ #		
Exp. 3: _____ #		
Exp. 4: _____ #		
1/3lb Booster: (____) ea		
1/2lb Booster: (____) ea		
1lb Booster: <u>138</u> ea	<u>138</u>	<u>138</u>
Total Pounds Shot: #	<u>17038</u>	<u>17038</u>

Notes: Shot fired with Q's

Product Type & Size	Detonator (unit/length)	Totals
Det 1: <u>60' 00</u> ea	<u>69</u>	<u>69</u>
Det 2: <u>40' 00</u> ea	<u>69</u>	<u>69</u>
Det 3: <u>20' # 900</u> ea	<u>20</u>	<u>20</u>
Det 4: <u>20' # 420</u> ea	<u>15</u>	<u>15</u>
Det 5: _____ ea		
Lead Line: <u>N/A</u> LF		
Type of Cover (Dirt/Mats)		

Seismic Monitoring Info:

SHOT #1	Graph 1	Graph 2	Graph 3
Graph (Seis) #:	<u>18644</u>	<u>6679</u>	
Event #:	<u>1</u>	<u>1</u>	
PPV:	<u>0.13</u>	<u>0.17</u>	
dB:	<u>87.52</u>	<u>106.7</u>	
Operator:	<u>SD</u>	<u>SB</u>	
Location:	<u>1025 WINSTEAD UNIT 67</u>	<u>Quarry ENTRANCE</u>	

SHOT #2	Graph 1	Graph 2	Graph 3
Graph (Seis) #:			
Event #:			
PPV:			
dB:			
Operator:			
Location:			

Onsite Delivery YES NO

Blaster: Scott Brothers License #: 15289 State: CT. Signature: [Signature]

Blast Design Plan

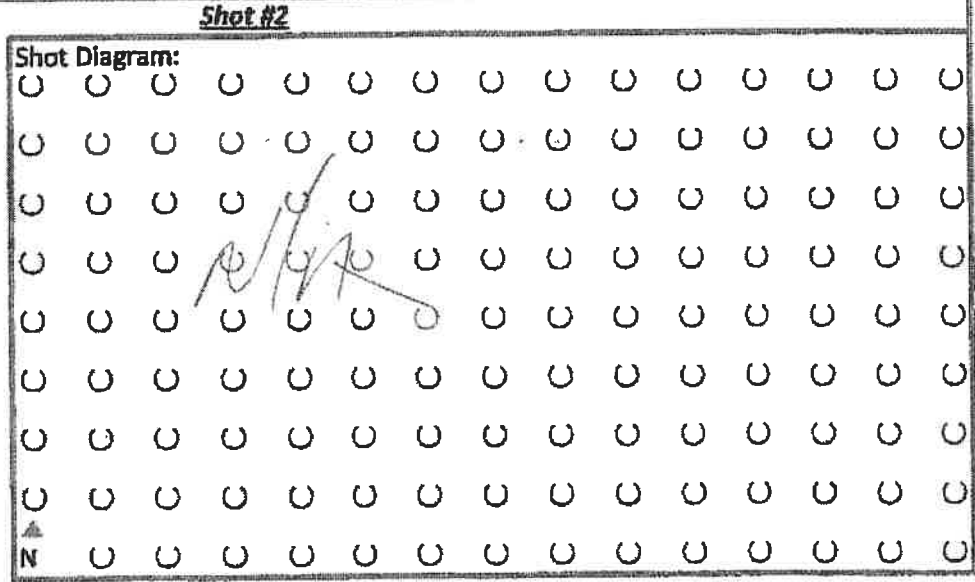
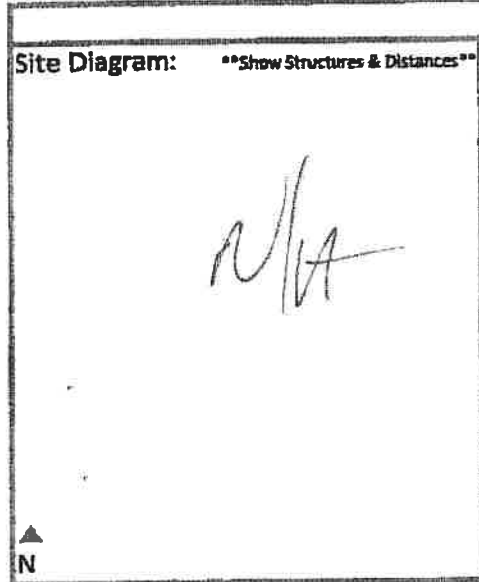
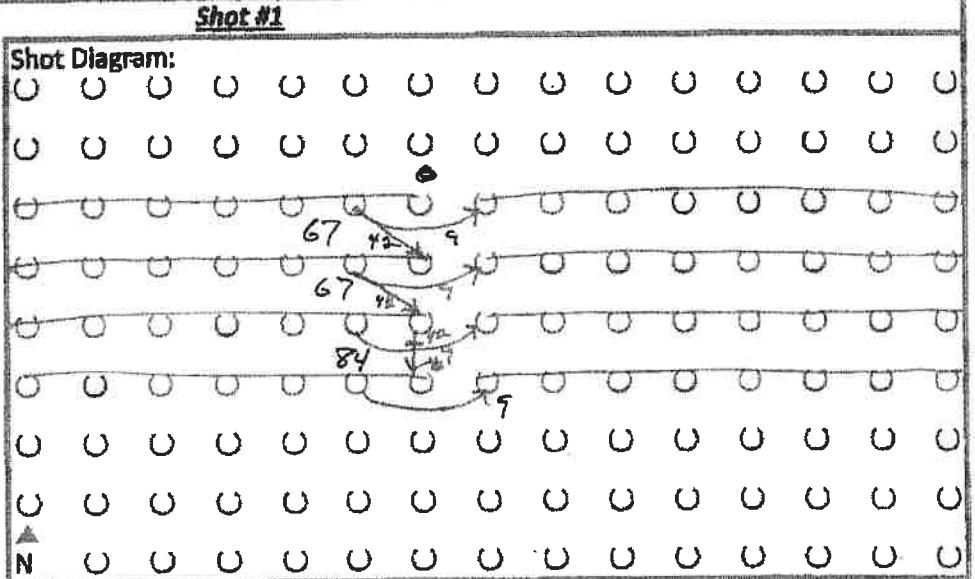
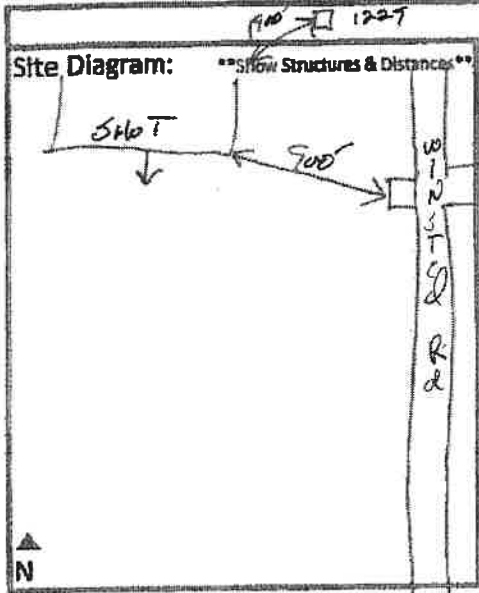
Blast Location Info:

Address of Blast: 667 Winsted Rd

Date of Blast: 10/11/23

City: Torreyton

State: CT

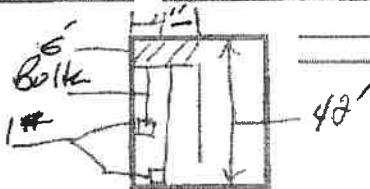


Formulas:

$$SD = 0.7W^{0.5}$$

$$PPV = K \times (SD)^{-1.6}$$

$$K = PPV \times SD^{1.6}$$



Typical Columns

N/A

Shot #1

Shot #2

Location of Closest Structure:	<u>ENTRANCE 900'</u>
Distance of Closest Structure:	<u>900'</u>
Distance of Closest Borehole:	<u>900'</u>
Max Holes Per Delay:	<u>2</u>
Max Pounds Per Delay:	<u>495</u>
Scale Distance:	<u>16</u>
Predicted PPV: K Factor:	<u>80 0.21</u>

Location of Closest Structure:	<u>N/A</u>
Distance of Closest Structure:	<u>N/A</u>
Distance of Closest Borehole:	<u>N/A</u>
Max Holes Per Delay:	<u>N/A</u>
Max Pounds Per Delay:	<u>N/A</u>
Scale Distance:	<u>N/A</u>
Predicted PPV: K Factor:	<u>N/A</u>



Baystate Blasting, Inc.
Dealer # 6-MA-013-26-5K-00341

Blasting Log

Blast Location Info:
 Job Name: Quarry
 Address of Blast: 667 Winsted Rd
 Date of Blast: 9/26/23
 Customer: MT Top
 City: Torrington State: CT

	Shot #1	Shot #2
DATE: <u>9/26/23</u>	<u>2:03</u>	
Time:		
Operation** <small>**Construction, Quarry, Trench, Open</small>	<u>Quarry</u>	
Water Depth:	<u>0-20</u>	
Hole Diameter:	<u>4</u>	
Burden:	<u>10</u>	
Spacing:	<u>10</u>	
Stemming:	<u>8</u>	
Sub Drill:	<u>3</u>	

Weather Conditions: Sunny Wind Direction: NE
 Fire Detail: Yes No
 Type of Rock: Granite Type of Terrain: Hill
 Identify Hazards: slip trap + fall / mud
 Precautions Taken: careful footing

		Totals
# Holes:	<u>127</u>	<u>127</u>
Total Sq Ft:	<u>12700</u>	<u>12700</u>
Avg. Drill Depth:	<u>48</u>	<u>48</u>
Total Drill Footage:	<u>6096</u>	<u>6096</u>
Total Pay Yards:	<u>22,577</u>	<u>22,577</u>
Total Yards Shot:		

Calculations:

Notes:
had to leave out 16 holes because Opica could not supply 2nd trench

Product Type & Size:	Explosive Info	Totals
Bulk: <u>Centra Gold</u> #	<u>34,947</u>	<u>34,947</u>
Anfo: #		
Anfo WR: #		
Exp. 1: #		
Exp. 2: #		
Exp. 3: #		
Exp. 4: <u>20' #42</u> #	<u>10pc</u>	<u>10pc</u>
1/3lb Booster: () ea #		
1/2lb Booster: () ea #		
1lb Booster: (<u>254</u>) ea #	<u>254</u>	<u>254</u>
Total Pounds Shot: #	<u>35201</u>	<u>35201</u>

Seismic Monitoring Info:			
SHOT #1	Graph 1	Graph 2	Graph 3
Graph (Seis) #:	<u>12301</u>	<u>12300</u>	
PPV:	<u>.121</u>	<u>.292</u>	
Frequency:	<u>14</u>	<u>27</u>	
dB:	<u>100.7</u>	<u>121</u>	
Operator:	<u>SB</u>	<u>SB</u>	
Location:	<u>1229 Winsted Rd Quarry entrance</u>		

Product Type & Size:	Detonator (unit/length)	Totals
Det 1: <u>60' Handidel</u> ea	<u>126</u>	<u>126</u>
Det 2: <u>30' Handidel</u> ea	<u>128</u>	<u>128</u>
Det 3: <u>20' #9</u> ea	<u>3</u>	<u>3</u>
Det 4: <u>20' #17</u> ea	<u>19</u>	<u>19</u>
Det 5: <u>20' #25</u> ea	<u>19</u>	<u>19</u>
Lead Line: <u>2000'</u> LF	<u>2000'</u>	<u>2000'</u>
Type of Cover (Dirt/Mats)		

SHOT #2	Graph 1	Graph 2	Graph 3
Graph (Seis) #:			
PPV:			
Frequency:			
dB:			
Operator:	<u>S</u>		
Location:			

Onsite Delivery YES NO

Blaster: Mark Swickard License #: 15527 State: CT Signature: Mark Swickard



Baystate Blasting, Inc.
Dealer # 5-MA-013-26-6R-00341

Blasting Log

Blast Location Info:

Job Name: Quarry
Address of Blast: 67 Winsford Rd

Date of Blast: 6/22/23

Customer: MOUNTAIN TOP
City: Jordanville State: CT.

DATE: 6/22/23

Time: _____

Operation**

**Construction, Quarry, Trench, Open

Water Depth: _____

Hole Diameter: _____

Burden: _____

Spacing: _____

Stemming: _____

Sub Drill: _____

Shot #1	Shot #2
12:31	
Quarry	
0/30	
4"	
10/13	
10	
6	
2	

Weather Conditions: overcast Wind Direction: _____

Fire Detail: Yes No

Type of Rock: Granite Type of Terrain: Benched

Identify Hazards: _____

Precautions Taken: _____

Calculations: $(\sqrt{18/10})^{1.6} \times 4 = 80\%$

Holes: _____

Total Sq Ft: _____

Avg. Drill Depth: _____

Total Drill Footage: _____

Total Pay Yards: _____

Total Yards Shot: _____

	Totals
180	180
18640	18640
46	46
8280	8280
31757.03	31757.03
31757.03	31757.03

Some holes single primed. (Box)
Notes: 52 FT 24
Face (32) 10x10x46 3840 6542.22
Box (146) 10x10x46 14800 25214.81
18640 31757.03

Product Type & Size	Explosive Info	Totals
Bulk: <u>CONTRA BOLD</u> #	50365	50365
Anfo: #		
Anfo WR: #		
Exp. 1: #		
Exp. 2: #		
Exp. 3: #		
Exp. 4: #		
1/3lb Booster: () ea		
1/2lb Booster: (171 ea)	171	171
1lb Booster: (171 ea)	171	171
Total Pounds Shot: #	50664.25	50664.25

Product Type & Size	Detonator (unit/length)	Totals
Det 1: <u>80'</u> ea	171	171
Det 2: <u>30'</u> ea	171	171
Det 3: <u>20' 9"</u> ea	20	20
Det 4: <u>20' 42"</u> ea	7	7
Det 5: _____ ea		
Lead Line: <u>200'</u> LF	200	200
Type of Cover (Dirt/Mats)	<u>open</u>	<u>open</u>

Seismic Monitoring Info:

SHOT #1	Graph 1	Graph 2	Graph 3
Graph (Sels) #:	13511	6687	
Event #:	1	1	
PPV:	0.18	0.36	
dB:	97.79	119.5	
Operator: <u>Winsford SB</u>	<u>SB</u>		
Location: <u>1229 UNIT 66</u>	<u>Dunkin</u>		

SHOT #2	Graph 1	Graph 2	Graph 3
Graph (Sels) #:			
Event #:			
PPV:			
dB:			
Operator:			
Location:			

Site Delivery

YES

NO

Blaster: Scott Matthews

License #: 15285

State: CT.

Signature: Scott Matthews

Blast Design Plan

Blast Location Info:

Address of Blast: 667 Winsor

Date of Blast: 6/22/23

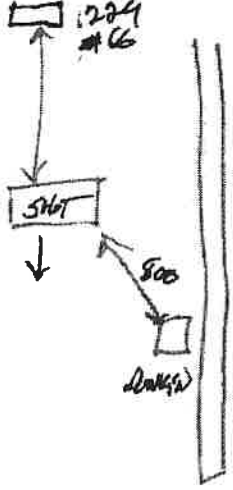
City: Lower Merion

State: CA

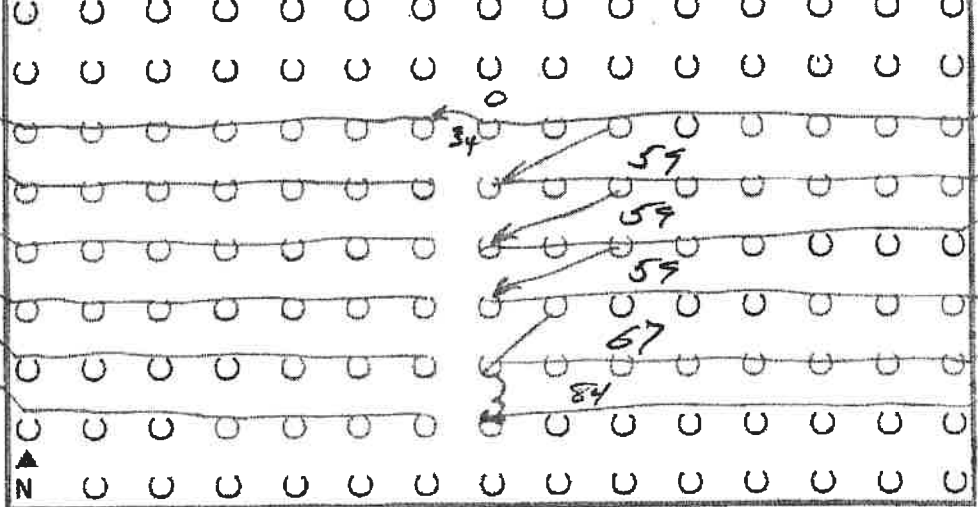
Shot #1

Site Diagram:

****Show Structures & Distances****



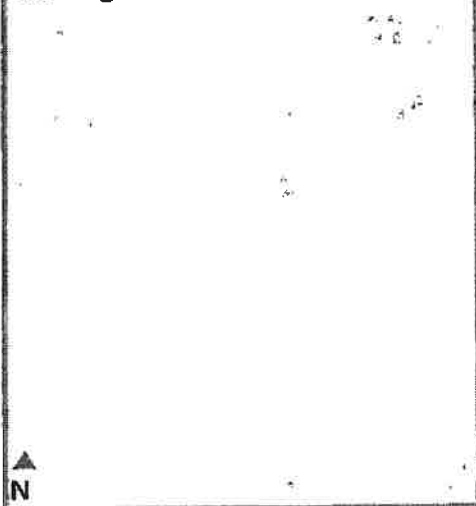
Shot Diagram:



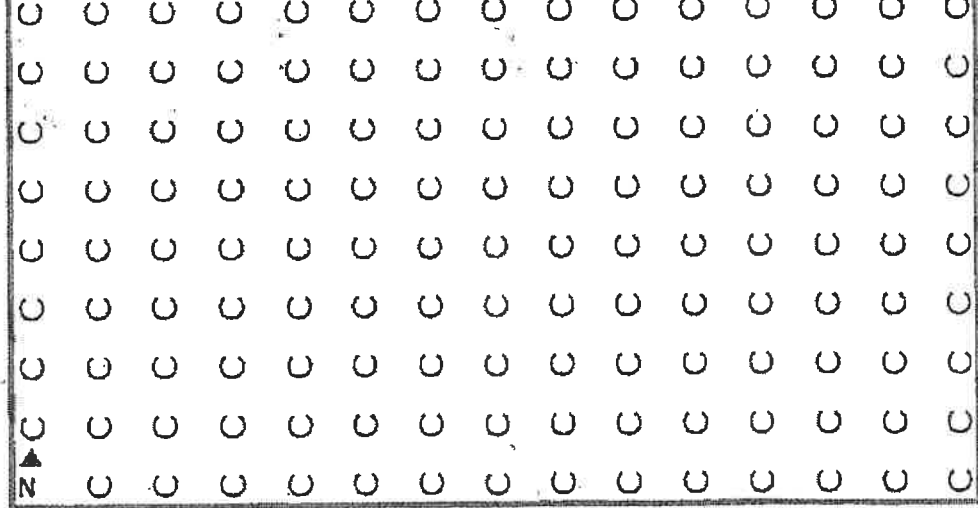
Shot #2

Site Diagram:

****Show Structures & Distances****



Shot Diagram:

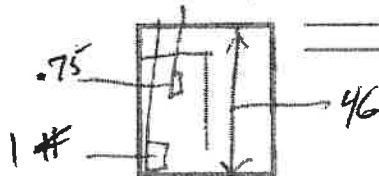


Formulas:

$$SD = D/W^{0.5}$$

$$PPV = K \times (SD)^{-1.6}$$

$$K = PPV \times SD^{1.6}$$



Typical Columns



Shot #1

Shot #2

Location of Closest Structure: Structure 1224 #6
 Distance of Closest Structure: 820
 Distance of Closest Borehole: 820
 Max Holes Per Delay: 0
 Max Pounds Per Delay: 5666
 Scale Distance: 33.62
 Predicted PPV: K Factor: 100 0.26

Location of Closest Structure: _____
 Distance of Closest Structure: _____
 Distance of Closest Borehole: _____
 Max Holes Per Delay: _____
 Max Pounds Per Delay: _____
 Scale Distance: _____
 Predicted PPV: K Factor: _____



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Baystate Blasting, Inc.
Dealer # 6-MA-013-26-6K-00341

Blasting Log

Blast Location Info:
 Job Name: MT TOP
 Address of Blast: 627 Winsted Dr.
 Date of Blast: 11/7/2022
 Customer: MT TOP TRUCKING
 City: TORRINGTON State: CT

	Shot #1	Shot #2
DATE: <u>11/7/2022</u>	<u>1:00</u>	
Time:		
Operation**	<u>DUMM</u>	
**Construction, Quarry, Trench, Open		
Water Depth:	<u>25'</u>	
Hole Diameter:	<u>4"</u>	
Burden:	<u>10-12'</u>	
Spacing:	<u>10'</u>	
Stemming:	<u>8-10'</u>	
Sub Drill:	<u>N/A</u>	

Weather Conditions: WARM Wind Direction: S/W
 Fire Detail: Yes No
 Type of Rock: Granite Type of Terrain: ROUGH
 Identify Hazards: STONES, TRUCKS, ROAD
 Precautions Taken: LOW AREA

		Totals
# Holes:	<u>180</u>	<u>180</u>
Total Sq Ft:	<u>17,250</u>	<u>17,250</u>
Avg. Drill Depth:	<u>37'</u>	<u>37'</u>
Total Drill Footage:	<u>6,660</u>	<u>6,660</u>
Total Pay Yards:	<u>25,625.92</u>	<u>25,625.92</u>
Total Yards Shot:	<u>25,625.92</u>	<u>25,625.92</u>

Calculations:
 $12' \times 10' \times 37' = 27 = 164,4440 \times 35 \text{ Holes} = 5,755,5540$
 $10' \times 10' \times 37' = 27 = 137,0340 \times 145 \text{ Holes} = 19,870,3740$
TOTAL = 25,625.92 YDS

Notes:
Some Eject used as
25 US Hole to Hole Time

Product Type & Size:	Explosive Info	Totals
Bulk: <u>T-TAN 1000</u>	# <u>35,464</u>	<u>35,464</u>
Anfo:	#	
Anfo WR:	#	
Exp. 1:	#	
Exp. 2:	#	
Exp. 3:	#	
Exp. 4:	#	
1/3lb Booster: () ea	#	
1/2lb Booster: () ea	#	
1lb Booster: <u>(360) ea</u>	# <u>360</u>	<u>360</u>
Total Pounds Shot:	# <u>35,824</u>	<u>35,824</u>

Seismic Monitoring Info:

SHOT #1	Graph 1	Graph 2	Graph 3
Graph (Seis) #:	<u>13510</u>	<u>13511</u>	
Event #:	<u>1</u>	<u>1</u>	
PPV:	<u>N/A</u>	<u>N/A</u>	
dB:	<u>N/A</u>	<u>N/A</u>	
Operator:	<u>MIKE SULLIVAN</u>	<u>MIKE SULLIVAN</u>	
Location:	<u>627 WINSTED DR. TORRINGTON CT</u>		

Product Type & Size:	Detonator (unit/length)	Totals
Det 1: <u>EZDET 30'</u>	ea <u>167</u>	<u>167</u>
Det 2: <u>EZDET 60'</u>	ea <u>193</u>	<u>193</u>
Det 3: <u>EZDET 20' 12</u>	ea <u>7</u>	<u>7</u>
Det 4: <u>EZDET 20' 19</u>	ea <u>12</u>	<u>12</u>
Det 5: <u>EZDET 20' 42</u>	ea <u>20</u>	<u>20</u>
Lead Line: <u>NONAL 2500'</u>	LF <u>2500'</u>	<u>2500'</u>
Type of Cover (Dirt/Mats)	<u>N/A</u>	<u>N/A</u>

SHOT #2	Graph 1	Graph 2	Graph 3
Graph (Seis) #:			
Event #:			
PPV:			
dB:			
Operator:			
Location:			

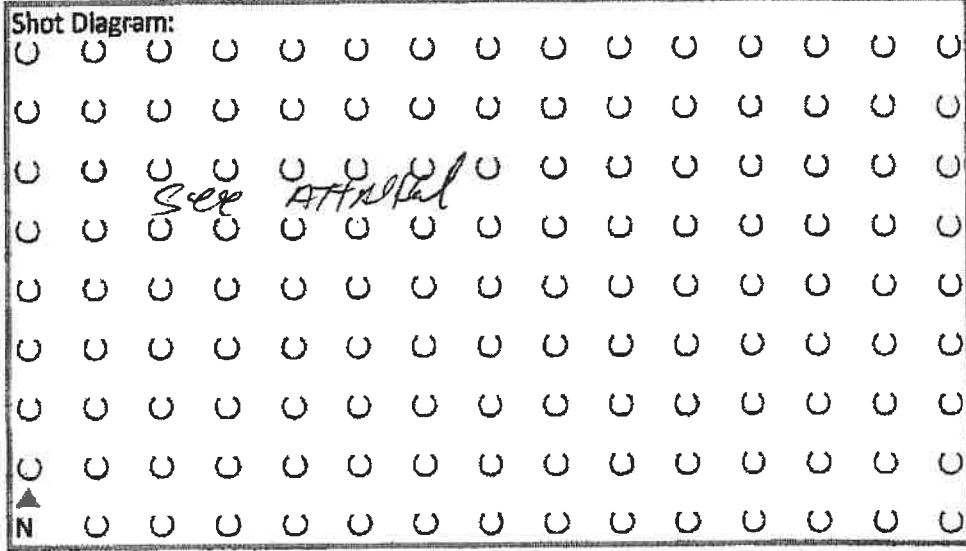
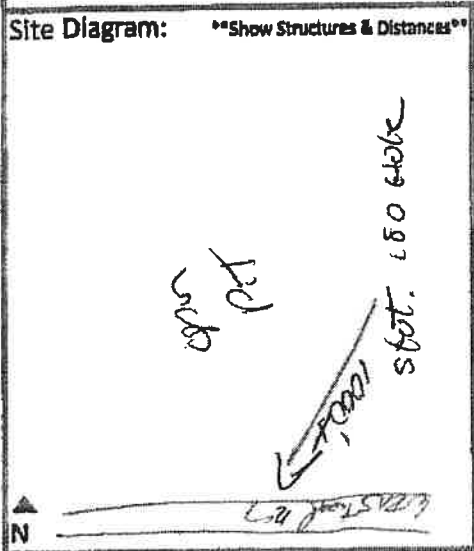
Onsite Delivery YES NO
 Blaster: BRIAN WALKER License #: 15396 State: CT

Signature: [Signature]

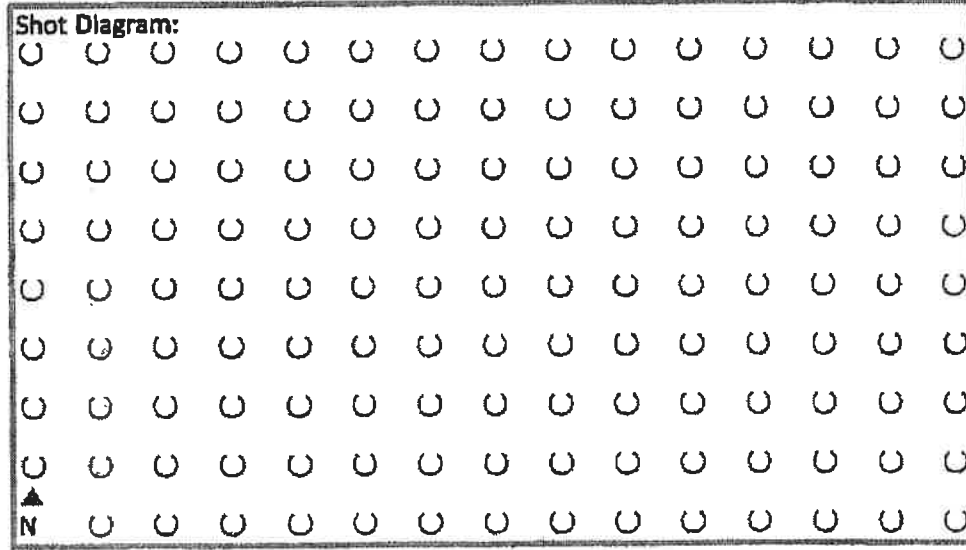
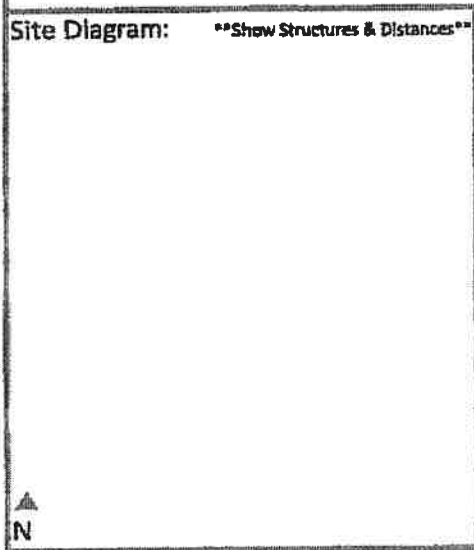
Blast Design Plan

Blast Location Info: Address of Blast: 667 Winsted Rd Date of Blast: 11/7/2022 State: CT
 City: Torrington

Shot #1



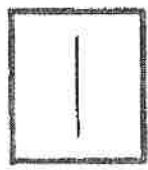
Shot #2



Formulas:
 $SD = D / W \cdot .5$
 $PPV = K \times (SD)^{-1.6}$
 $K = PPV \times SD \cdot 1.6$



Typical Columns



Shot #1

Shot #2

Location of Closest Structure: <u>1229 Winsted Rd</u> Distance of Closest Structure: <u>1000'</u> Distance of Closest Borehole: <u>1000'</u> Max Holes Per Delay: <u>2</u> Max Pounds Per Delay: <u>339.75</u> Scale Distance: <u>65.08</u> Predicted PPV: K Factor: <u>0.2</u> 30	Location of Closest Structure: _____ Distance of Closest Structure: _____ Distance of Closest Borehole: _____ Max Holes Per Delay: _____ Max Pounds Per Delay: _____ Scale Distance: _____ Predicted PPV: K Factor: _____
--	---



Baystate Blasting, Inc.
Dealer # 6-MA-013-26-6K-00341

Blasting Log

Blast Location Info:

Job Name: MITOP Torrington
Address of Blast: 667 Winsted rd

Date of Blast: 6/7/20

Customer: MITOP
City: Torrington State: CT.

DATE: 6/7/20

Shot #1	Shot #2
<u>12:07</u>	
<u>Drumay</u>	

Time:
Operation**

**Construction, Quarry, Trench, Open

Weather Conditions: SUNNY Wind Direction: N/A
Fire Detail: Yes No
Type of Rock: Granite Type of Terrain: Forest
Identify Hazards: _____

Water Depth:
Hole Diameter:
Burden:
Spacing:
Stemming:
Sub Drill:

<u>0/25</u>	
<u>4</u>	
<u>9/15</u>	
<u>10</u>	
<u>8'</u>	
<u>0</u>	

Precautions Taken: _____

Calculations: $(V.L/D)^{1.6} \times K = PPV$

Holes:
Total Sq Ft
Avg. Drill Depth:
Total Drill Footage:
Total Pay Yards:
Total Yards Shot:

	Totals
<u>135</u>	<u>135</u>
<u>14190</u>	<u>14190</u>
<u>37.5</u>	<u>37.5</u>
<u>5062.5</u>	<u>5062.5</u>
<u>1908.22</u>	<u>1908.22</u>

Notes:
Avg 37.5 59FT CYD
4 FACE 15 x 10 x 37.5 5100 7085.22
101 Roly 29 x 10 x 37.5 9090 12665
TOTALS 4190 19708.22

Product Type & Size:	Explosive Info	Totals
Bulk: <u>4400</u> #	<u>27121</u>	<u>27121</u>
Anfo: #		
Anfo WR: #		
Exp. 1: #		
Exp. 2: #		
Exp. 3: #		
Exp. 4: #		
1/3lb Booster: () ea #		
1/2lb Booster: () ea #		
1lb Booster: (<u>270</u>) ea #	<u>270</u>	<u>270</u>
Total Pounds Shot: #	<u>27391</u>	<u>27391</u>

Seismic Monitoring Info:

SHOT #1	Graph 1	Graph 2	Graph 3
Graph (Sels) #:	<u>18644</u>	<u>18645</u>	
Event #:	<u>1</u>	<u>1</u>	
PPV:	<u>0.27</u>	<u>0.27</u>	
dB:	<u>125.9</u>	<u>123.5</u>	
Operator:	<u>MS</u>	<u>MS</u>	
Location:	<u>QUARRY # 657</u>	<u>667 QUARRY ENTRANCE</u>	

Product Type & Size:	Detonator (unit/length)	Totals
Det 1: <u>60' DD</u> ea	<u>135</u>	<u>135</u>
Det 2: <u>40' DD</u> ea	<u>135</u>	<u>135</u>
Det 3: <u>25' #4 QR</u> ea	<u>5</u>	<u>5</u>
Det 4: <u>25' #4 QR</u> ea	<u>10</u>	<u>10</u>
Det 5: _____ ea		
Lead Line: <u>500'</u> LF	<u>500'</u>	<u>500'</u>
Type of Cover (Dirt/Mats)	<u>DIRT</u>	<u>DIRT</u>

SHOT #2	Graph 1	Graph 2	Graph 3
Graph (Sels) #:			
Event #:			
PPV:			
dB:			
Operator:			
Location:			

Onsite Delivery

YES NO

Blaster: Sam Brown License #: 15385

State: CT Signature: _____

Blast Design Plan

Blast Location Info:

Address of Blast: 667 WINSTED

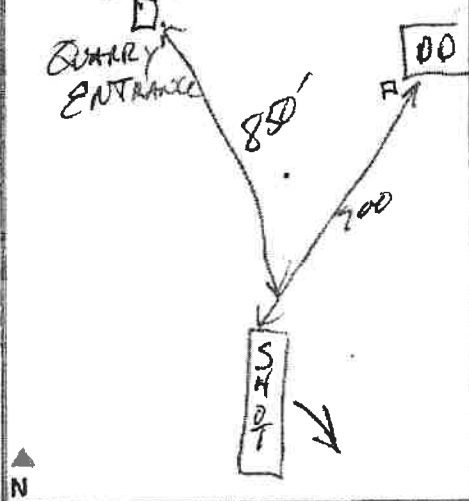
Date of Blast: 6/7/27

City: Yonkers, NY

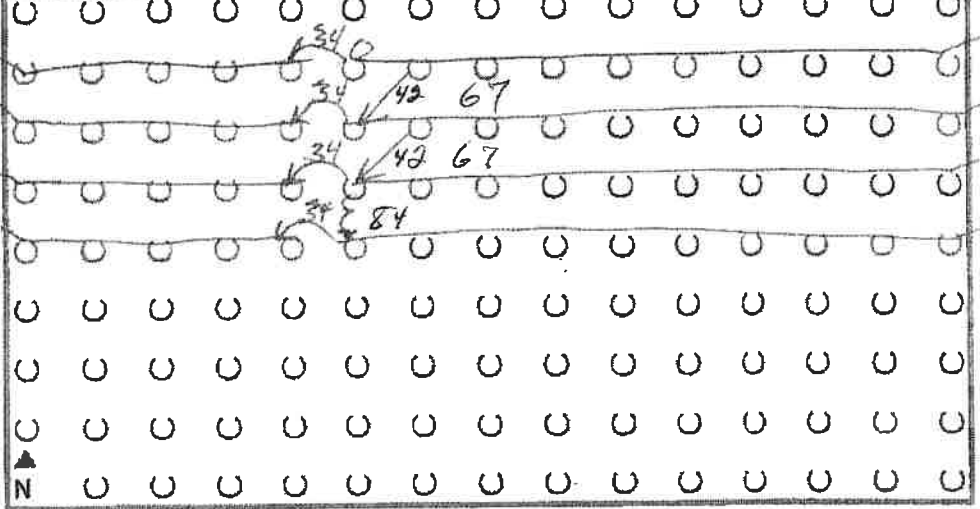
State: NY

Shot #1

Site Diagram: ****Show Structures & Distances****

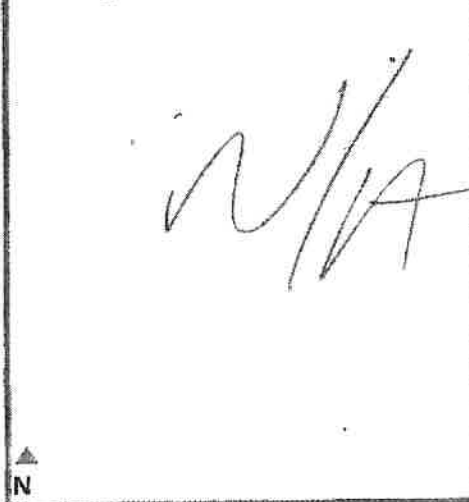


Shot Diagram:

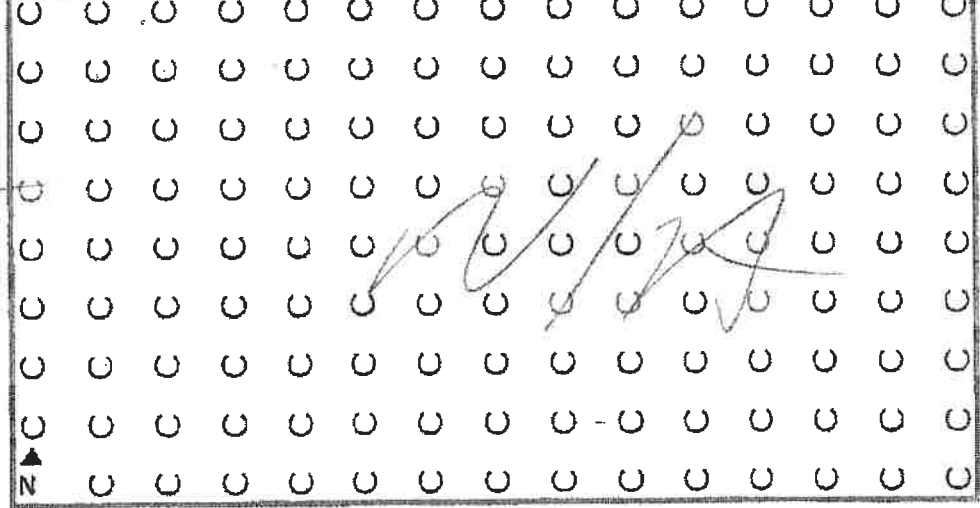


Shot #2

Site Diagram: ****Show Structures & Distances****



Shot Diagram:



Formulas:

$SD = B/W \cdot 1.5$
 $PPV = K \cdot (SD)^{-1.5}$
 $K = PPV \cdot SD^1.5$



Typical Columns



Shot #1

Shot #2

Location of Closest Structure: DUNKIN #657
 Distance of Closest Structure: 900
 Distance of Closest Borehole: 900
 Max Holes Per Delay: 2
 Max Pounds Per Delay: 288
 Scale Distance: 13.05
 Predicted PPV: K Factor: 100

Location of Closest Structure: _____
 Distance of Closest Structure: _____
 Distance of Closest Borehole: _____
 Max Holes Per Delay: _____
 Max Pounds Per Delay: _____
 Scale Distance: _____
 Predicted PPV: K Factor: _____

MAT 07



Baystate Blasting, Inc.
Dealer # 6-MA-013-26-2K-00341

Blasting Log

Blast Location Info:
 Job Name: West Point CEAC MT TOP Quarry
 Address of Blast: 667 WINSTED RD
 Date of Blast: 5/23/22
 Customer: DOBCO Group MT TOP
 City: West Point Torrington State: CT

DATE: 5/23/22

	Shot #1	Shot #2
Time:	<u>12:25</u>	
Operation**	<u>Quarry</u>	
Water Depth:	<u>0/30</u>	
Hole Diameter:	<u>4</u>	
Burden:	<u>10/15</u>	
Spacing:	<u>10</u>	
Stemming:	<u>8'</u>	
Sub Drill:	<u>CA</u>	
# Holes:	<u>111</u>	
Total Sq Ft:	<u>12850</u>	
Avg. Drill Depth:	<u>43</u>	
Total Drill Footage:	<u>4773</u>	
Total Pay Yards:	<u>—</u>	
Total Yards Shot:	<u>2046.8</u>	

**Construction, Quarry, Trench, Open

Weather Conditions: SUNNY Wind Direction: _____
 Fire Detail: Yes No
 Type of Rock: Granite Type of Terrain: Bench
 Identify Hazards: _____
 Precautions Taken: _____
 Calculations:

		SQFT	CY
FACE <u>35</u>	<u>10x15x43</u>	<u>5250</u>	<u>8361.11</u>
Body <u>76</u>	<u>10x10x43</u>	<u>7600</u>	<u>12103.7</u>
TOTALS		12850	2046.8

Notes: SHOT FIRED WITH GAPS

Product Type & Size:	Explosive Info	Totals
Bulk: <u>4400</u>	# <u>29582</u>	<u>29582</u>
Anfo:	#	
Anfo WR:	#	
Exp. 1: <u>2 1/2 x 16</u>	# <u>50</u>	<u>50</u>
Exp. 2:	#	
Exp. 3:	#	
Exp. 4:	#	
1/3lb Booster: () ea	#	
1/2lb Booster: () ea	#	
1lb Booster: (<u>212</u>) ea	# <u>212</u>	<u>212</u>
Total Pounds Shot:	# <u>29834</u>	<u>29834</u>

Product Type & Size:	Detonator (unit/length)	Totals
Det 1: <u>60' 00</u>	ea <u>111</u>	<u>111</u>
Det 2: <u>40' 00</u>	ea <u>111</u>	<u>111</u>
Det 3: <u>20' 49</u>	ea <u>9</u>	<u>9</u>
Det 4: <u>20' 42</u>	ea <u>8</u>	<u>8</u>
Det 5:	ea	
Det 6:	ea	
Lead Line: <u>N/A</u>	LF <u>N/A</u>	<u>N/A</u>
Type of Cover (Dirt/Mats)		

Seismic Monitoring Info:

SHOT #1	Graph 1	Graph 2	Graph 3
Graph (Seis) #:	<u>18645</u>	<u>18644</u>	
PPV:	<u>0.21</u>	<u>0.35</u>	
Frequency:	<u>89</u>	<u>34</u>	
dB:	<u>121.3</u>	<u>119.3</u>	
Operator:	<u>SD</u>	<u>SD</u>	
Location:	<u>#667 QUARRIES/DUNNIN 697</u>		

SHOT #2	Graph 1	Graph 2	Graph 3
Graph (Seis) #:			
PPV:			
Frequency:			
dB:			
Operator:			
Location:			

Onsite Delivery YES NO

Blaster: [Signature] License #: 15289 State: CT Signature: [Signature]

Blast Design Plan

Blast Location Info: **Date of Blast:** 5/23/23
Address of Blast: 167 Winsted Rd **City:** ~~West Point~~ Torrington State ~~MS~~ CT.

Site Diagram: **Show Structures & Distances**

Winsted Rd
GRAPH
850'
GRAPH
900'

▲ N

Shot #1

Shot Diagram:

42 0
42 84
42 84
42

▲ N

Site Diagram: **Show Structures & Distances**

N/A

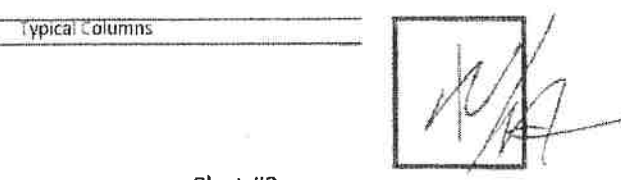
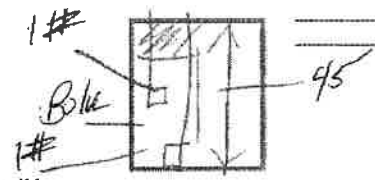
▲ N

Shot #2

Shot Diagram:

▲ N

Formulas:
 $SD = D / W^{.5}$
 $PPV = K \times (SD)^{-1.6}$
 $K = PPV \times SD^{1.6}$



<p>Location of Closest Structure: <u>ENTRANCE</u></p> <p>Distance of Closest Structure: <u>850'</u></p> <p>Distance of Closest Borehole: <u>850'</u></p> <p>Max Holes Per Delay: <u>2</u></p> <p>Max Pounds Per Delay: <u>540</u></p> <p>Scale Distance: <u>36.57</u></p> <p>Predicted PPV: K Factor: <u>160</u> <u>0.50</u></p>	<p>Location of Closest Structure: _____</p> <p>Distance of Closest Structure: _____</p> <p>Distance of Closest Borehole: _____</p> <p>Max Holes Per Delay: _____</p> <p>Max Pounds Per Delay: _____</p> <p>Scale Distance: _____</p> <p>Predicted PPV: K Factor: _____</p>
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Baystate Blasting, Inc.
Dealer # 6-MA-013-26-2K-00341

Blasting Log

Blast Location Info: MT TOP
Job Name: West Point CEAC
Address of Blast: 667 Winsted Rd

Date of Blast: 12/27/21
Customer: DOBCO Group MT TOP
City: West Point Torrington State: NY CT.

DATE: 12/27/21

Time:

Operation**

**Construction, Quarry, Trench, Open

Water Depth:

Hole Diameter:

Burden:

Spacing:

Stemming:

Sub Drill:

Shot #1	Shot #2
<u>1123</u>	
<u>Summary</u>	

<u>0/00</u>	
<u>4"</u>	
<u>9</u>	
<u>10</u>	
<u>8'</u>	
<u>0</u>	

Holes:

Total Sq Ft:

Avg. Drill Depth:

Total Drill Footage:

Total Pay Yards:

Total Yards Shot:

	Totals
<u>140</u>	<u>140</u>
<u>12600</u>	<u>12600</u>
<u>25'</u>	<u>25'</u>
<u>3520</u>	<u>3520</u>
<u>—</u>	<u>—</u>
<u>13066.6</u>	<u>13066.6</u>

Weather Conditions: overcast Wind Direction: N/E

Fire Detail: Yes No

Type of Rock: Granite Type of Terrain: pench

Identify Hazards:

Close To Town

Precautions Taken: Careful Re Sign

Calculations: $(\sqrt{LB/D})^{1.6} \times K = PPV$

Notes:

Product Type & Size:	Explosive Info	Totals
Bulk: <u>4400</u> #	<u>16/72</u>	<u>16/72</u>
Anfo: #		
Anfo WR: #		
Exp. 1: #		
Exp. 2: #		
Exp. 3: #		
Exp. 4: #		
1/3lb Booster: () ea #		
1/2lb Booster: (<u>57</u>) ea #	<u>28.5</u>	<u>28.5</u>
1lb Booster: (<u>140</u>) ea #	<u>140</u>	<u>140</u>
Total Pounds Shot: #	<u>16340.5</u>	<u>16340.5</u>

Product Type & Size:	Detonator (unit/length)	Totals
Det 1: <u>60'</u> ea	<u>90</u>	<u>90</u>
Det 2: <u>40'</u> ea	<u>51</u>	<u>51</u>
Det 3: <u>30'</u> ea	<u>56</u>	<u>56</u>
Det 4: <u>20' #9 QR</u> ea	<u>4</u>	<u>4</u>
Det 5: <u>20' #12 QR</u> ea	<u>14</u>	<u>14</u>
Det 6: ea		
Lead Line: <u>1000' LK</u> LF	<u>1000'</u>	<u>1000'</u>
Type of Cover (Dirt/Mats)	<u>open</u>	<u>open</u>

Seismic Monitoring Info:

SHOT #1	Graph 1	Graph 2	Graph 3
Graph (Seis) #:	<u>12301</u>	<u>12300</u>	
PPV:	<u>0.11</u>	<u>0.45</u>	
Frequency:	<u>242</u>	<u>45</u>	
dB:	<u>90</u>	<u>118</u>	
Operator:	<u>DY</u>	<u>DY</u>	
Location:	<u>667 Winsted Quarry, GMC.</u>		

SHOT #2	Graph 1	Graph 2	Graph 3
Graph (Seis) #:			
PPV:			
Frequency:			
dB:			
Operator:			
Location:			

Onsite Delivery

YES

NO

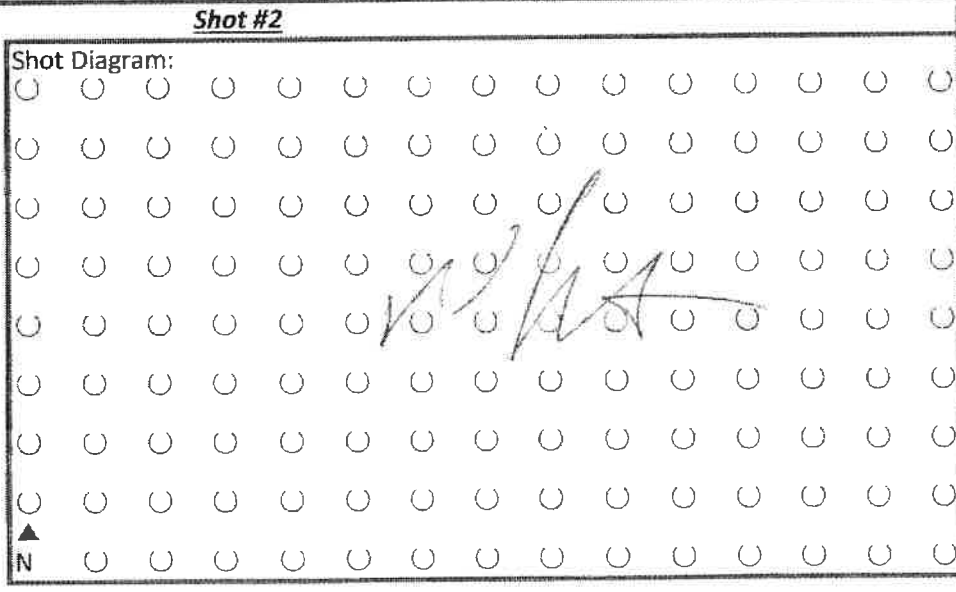
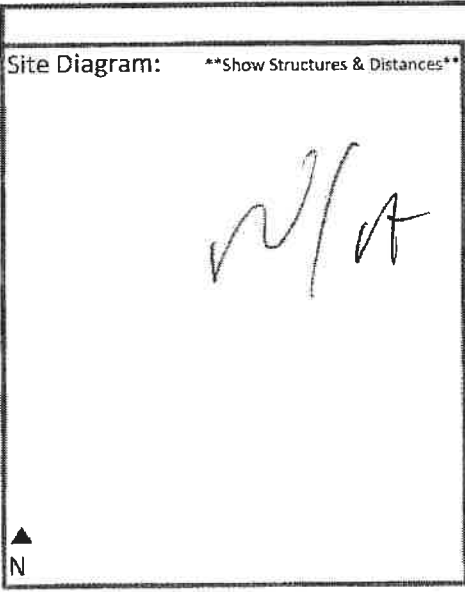
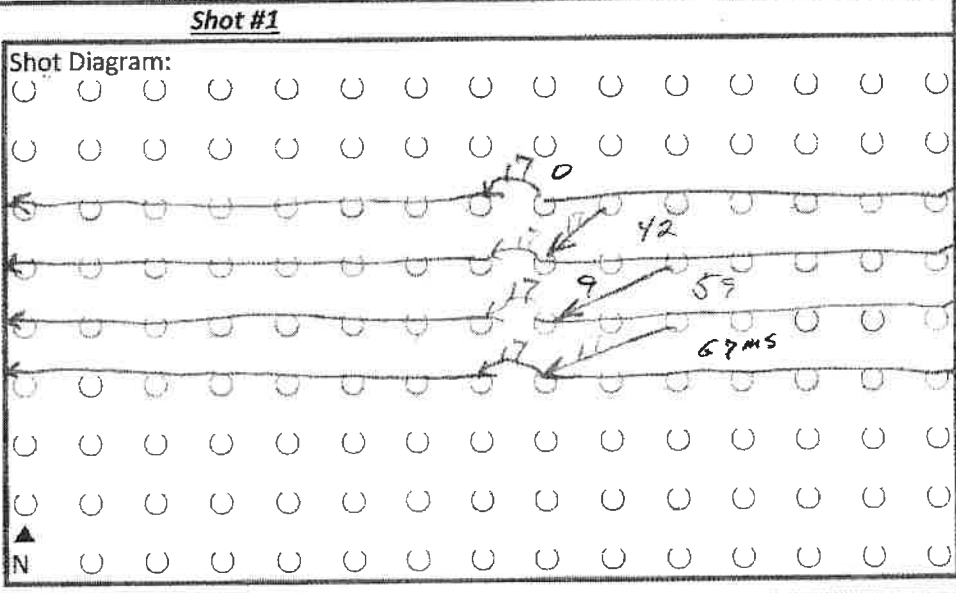
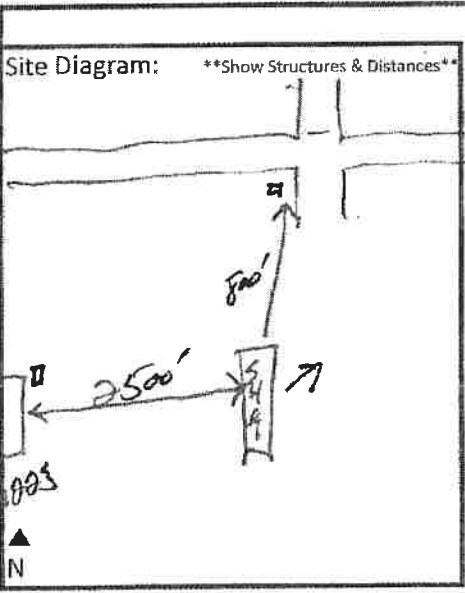
Blaster: Scott Gardner

License #: 15385

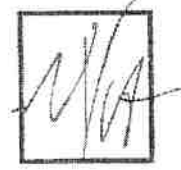
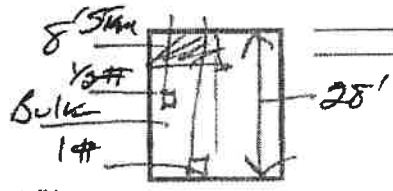
State: CT Signature: [Signature]

Blast Design Plan

Blast Location Info: Address of Blast: 667 WINDY HILL Date of Blast: 12/31/21 City: West Point TORRINGTON State: VT



Formulas:
 $SD = D / W^{.5}$
 $PPV = K \times (SD)^{-1.6}$
 $K = PPV \times SD^{1.6}$



Shot #1	Shot #2
Location of Closest Structure: <u>Quarry Gate</u>	Location of Closest Structure: _____
Distance of Closest Structure: <u>800</u>	Distance of Closest Structure: _____
Distance of Closest Borehole: <u>800</u>	Distance of Closest Borehole: _____
Max Holes Per Delay: <u>8</u>	Max Holes Per Delay: _____
Max Pounds Per Delay: <u>240</u>	Max Pounds Per Delay: _____
Scale Distance: <u>51.64</u>	Scale Distance: _____
Predicted PPV: K Factor: <u>160</u>	Predicted PPV: K Factor: _____
<u>0.29</u>	



Baystate Blasting, Inc.
Dealer # 6-MA-013-26-2K-00341

Blasting Log

Blast Location Info: Job Name: West Point - CBAC MTTOP Date of Blast: 12/13/21
 Address of Blast: 667 Winsted Rd Customer: DOBCO Group MTTOP
 City: West Point State: CT

DATE: 12/13/21
 Time: 11:49
 Operation*: Quarry
 **Construction, Quarry, Trench, Open

Weather Conditions: SUNNY Wind Direction: N/E
 Fire Detail: Yes No
 Type of Rock: Gneiss Type of Terrain: Beach
 Identify Hazards: _____
 Precautions Taken: _____

Water Depth:	<u>0/5</u>	
Hole Diameter:	<u>4</u>	
Burden:	<u>9/11</u>	
Spacing:	<u>10</u>	
Stemming:	<u>7'</u>	
Sub Drill:	<u>0</u>	

Calculations:

		Totals
# Holes:	<u>97</u>	<u>97</u>
Total Sq Ft:	<u>9250</u>	<u>9250</u>
Avg. Drill Depth:	<u>28</u>	<u>28</u>
Total Drill Footage:	<u>2716</u>	<u>2716</u>
Total Pay Yards:	<u>—</u>	<u>—</u>
Total Yards Shot:	<u>9592.58</u>	<u>9592.58</u>

Notes: 26 FINE 11x10x25 2860 2965.92
71 Baby 9x10x85 6390 6626.66
 TOTALS 9250 9592.58

Product Type & Size:	Explosive Info	Totals
Bulk: <u>4400</u>	# <u>11,534</u>	<u>11,534</u>
Anfo: _____	# _____	_____
Anfo WR: _____	# _____	_____
Exp. 1: _____	# _____	_____
Exp. 2: _____	# _____	_____
Exp. 3: _____	# _____	_____
Exp. 4: _____	# _____	_____
1/3lb Booster: (____) ea	# _____	_____
1/2lb Booster: (<u>33</u>) ea	# <u>16.5</u>	<u>16.5</u>
1lb Booster: (<u>97</u>) ea	# <u>97</u>	<u>97</u>
Total Pounds Shot:	# <u>11877.5</u>	<u>11877.5</u>

Seismic Monitoring Info:
SHOT #1
 Graph 1: 12301 Graph 2: 12095 Graph 3: _____
 Graph (Seis) #: _____
 PPV: 0.17 0.11 _____
 Frequency: 32 26 _____
 dB: N/T 115dB _____
 Operator: D.Y. SB _____
 Location: 1000 Winsted Rd Quarry gate
UNIT 63

Product Type & Size:	Detonator (unit/length)	Totals
Det 1: <u>40 PD</u>	ea <u>97</u>	<u>97</u>
Det 2: <u>30 AD</u>	ea <u>33</u>	<u>33</u>
Det 3: <u>20#1 QR</u>	ea <u>5</u>	<u>5</u>
Det 4: <u>20#1 QR</u>	ea <u>10</u>	<u>10</u>
Det 5: _____	ea _____	_____
Det 6: _____	ea _____	_____
Lead Line: <u>1000'</u>	LF <u>1000'</u>	<u>1000'</u>
Type of Cover (Dirt/Mats)	<u>Open</u>	<u>Open</u>

SHOT #2
 Graph 1: _____ Graph 2: _____ Graph 3: _____
 Graph (Seis) #: _____
 PPV: _____
 Frequency: _____
 dB: _____
 Operator: _____
 Location: _____

Onsite Delivery YES NO

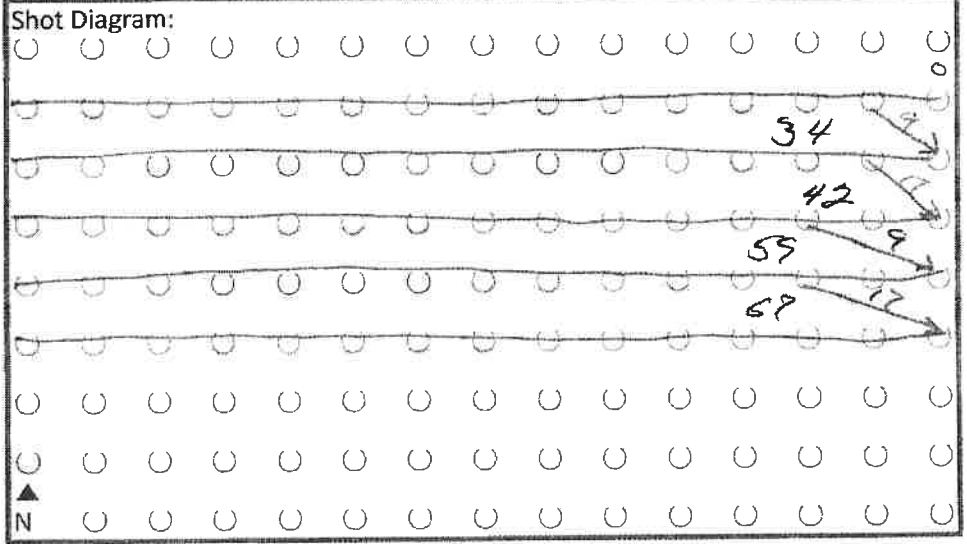
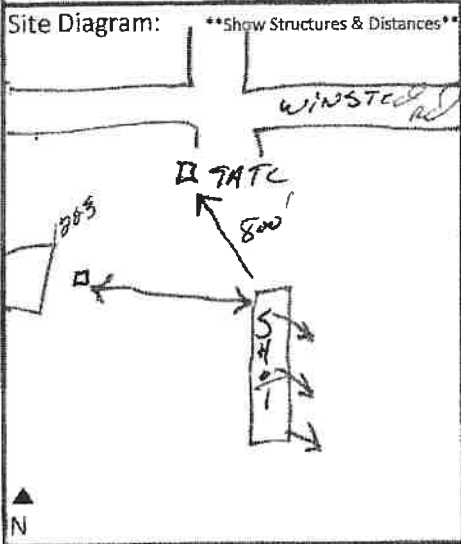
Blaster: Scott Barkus License #: 15259 State: CT Signature: _____

15.74

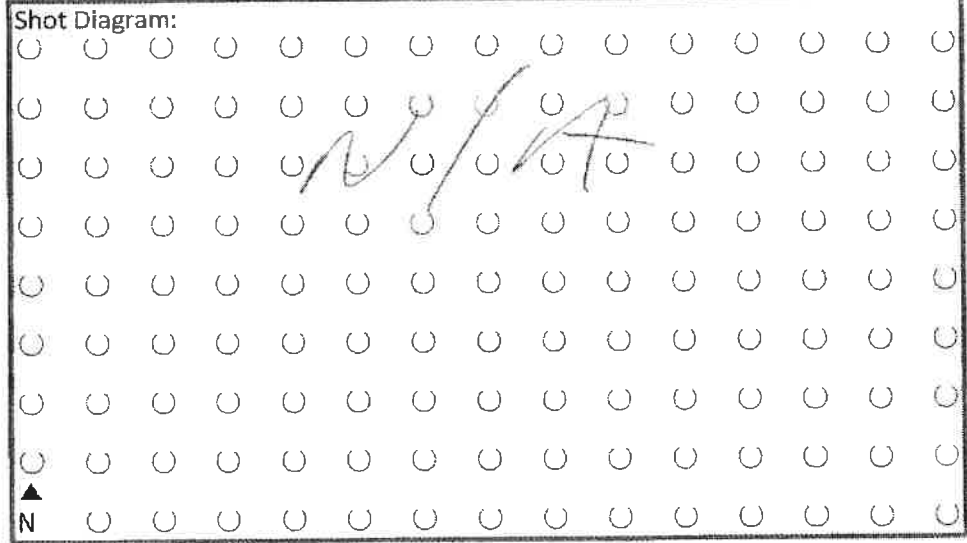
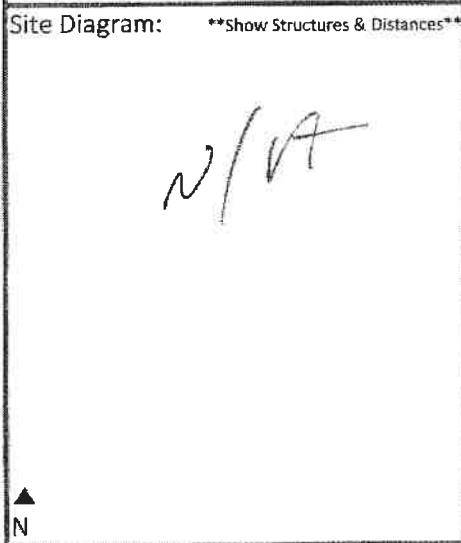
Blast Design Plan

Blast Location Info: 667 Winsted Rd Date of Blast: 12/13/21
 Address of Blast: 667 Winsted Rd City: West Point Torrington State: VT C.T.

Shot #1



Shot #2

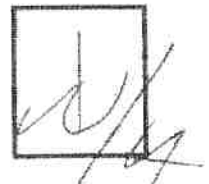


Formulas:

$SD = D / W^{.5}$
 $PPV = K \times (SD)^{-1.6}$
 $K = PPV \times SD^{1.6}$



Typical Columns



Shot #1

Shot #2

Location of Closest Structure: ENTRANCE
 Distance of Closest Structure: 800'
 Distance of Closest Borehole: 800
 Max Holes Per Delay: 0
 Max Pounds Per Delay: 248
 Scale Distance: 50.88
 Predicted PPV: K Factor: 160 0.29

Location of Closest Structure: _____
 Distance of Closest Structure: _____
 Distance of Closest Borehole: _____
 Max Holes Per Delay: _____
 Max Pounds Per Delay: _____
 Scale Distance: _____
 Predicted PPV: K Factor: _____



Baystate Blasting, Inc.
Dealer # 6-MA-013-26-2K-00341

Blasting Log

Blast Location Info:

Job Name: West Point - CEAC Quarry
Address of Blast: 667 Winsted Rd

Date of Blast: 12/3/21

Customer: BOBCO Group M.T. TOP
City: West Point Torrington State: CT

DATE: 12/3/21

Time: _____

Operation**

**Construction, Quarry, Trench, Open

Water Depth: _____

Hole Diameter: _____

Burden: _____

Spacing: _____

Stemming: _____

Sub Drill: _____

Shot #1	Shot #2
10:43	
Quarry	
0/3	
4"	
9/12	
10	
8'	
0	

Weather Conditions: Windy Wind Direction: N/E

Fire Detail: Yes No

Type of Rock: Granite Type of Terrain: Bank

Identify Hazards: Close to Road

Precautions Taken: Very Careful Design

Calculations: (56/10)^{1.6} x V = PPV

Holes: _____

Total Sq Ft: _____

Avg. Drill Depth: _____

Total Drill Footage: _____

Total Pay Yards: _____

Total Yards Shot: _____

Totals
75
7200
27'
20,85
7200

Notes:

FACE 15 HOLES 13' X 10' X 9' Hvy
SOFT C.Y.
1800 1800
Body 60 holes ~~7000~~ 5400
7000 7000

Product Type & Size:	Explosive Info	Totals
Bulk: <u>4400</u> #	<u>9133</u>	<u>9133</u>
Anfo: _____ #	_____	_____
Anfo WR: _____ #	_____	_____
Exp. 1: _____ #	_____	_____
Exp. 2: _____ #	_____	_____
Exp. 3: _____ #	_____	_____
Exp. 4: _____ #	_____	_____
1/3lb Booster: (____) ea #	_____	_____
1/2lb Booster: (____) ea #	_____	_____
1lb Booster: (<u>94</u>) ea #	<u>94</u>	<u>94</u>
Total Pounds Shot: #	<u>9227</u>	<u>9227</u>

Seismic Monitoring Info:

SHOT #1	Graph 1	Graph 2	Graph 3
Graph (Seis) #:	<u>18295</u>	<u>18644</u>	_____
PPV:	<u>0.39</u>	<u>0.10</u>	_____
Frequency:	<u>48</u>	<u>12</u>	_____
dB:	<u>120.5</u>	<u>106.9</u>	_____
Operator:	<u>ES</u>	<u>ES</u>	_____
Location:	<u>Quarry</u>	<u>1003 UNIT 63</u>	_____

Product Type & Size:	Detonator (unit/length)	Totals
Det 1: <u>40' AD</u> ea	<u>94</u>	<u>94</u>
Det 2: <u>20' #9 QR</u> ea	<u>12</u>	<u>12</u>
Det 3: <u>30' #17 QR</u> ea	<u>11</u>	<u>11</u>
Det 4: _____ ea	_____	_____
Det 5: _____ ea	_____	_____
Det 6: _____ ea	_____	_____
Lead Line: <u>1000' PA</u> LF	<u>1000</u>	<u>1000</u>
Type of Cover (Dirt/Mats)	_____	_____

SHOT #2	Graph 1	Graph 2	Graph 3
Graph (Seis) #:	_____	_____	_____
PPV:	_____	_____	_____
Frequency:	_____	_____	_____
dB:	_____	_____	_____
Operator:	_____	_____	_____
Location:	_____	_____	_____

Onsite Delivery YES NO

Blaster: [Signature]

License #: 15289

State: CT

Signature: [Signature]