Application No. 23-06

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 Assessor's Map: 236 Block: 8/ Lot: 10 (637) Area: 20. 976 1- Acres Applicant's Address 179 Cole Brook Biver Roso, Winsted Applicant's Signature: Fax: 860-379-1547 E-mail: mantaintop 1984@gmail. Com Phone: 🔏 🖒 Owner: SAME AS Applicant Owner's Address: _____ E-mail: _____ Phone: 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: Penewal of Earth Excavation Fermit 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: Renowal of Existing Earth Excavation Permit Is there a conservation or preservation restriction on the property? _____ Yes ___X_ 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 X No If yes, has an application been submitted to the Inland Wetlands Commission? _____ Yes _____ No

Is this property within 500 feet of another municipality?YesXNo
Name the municipality:
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? YesNo

Important Information for the Applicant

- 1. <u>Application:</u> The applicant must submit eight (8) copies of this application.
- 2. <u>Survey:</u> 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. <u>Site Plan:</u> 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;
 - 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 plans 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;
 - Ma 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;
 - I. 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.

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;
- b. The sign shall give the information on the reason for the hearing (e.g. special exception) and the time, date and location of the public hearing;
- c. The sign shall be clearly visible from a street;
- d. The sign shall be posted at least ten (10) consecutive days before the public hearing; and
- e. The sign shall not be removed until after the <u>close</u> of the public hearing.

Failure to post and maintain this sign shall be grounds for the denial of the application.

Letter to Surrounding Property Owners

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 50	00 feet of another municipality?Yes	No
If yes, the town(s) is:		
Date town(s) was/were	notified of public hearing:	
	oplications at this location:	
Departmental Comment If this application meets sheet with your commen	with your approval, please sign and date. If it	does not, please attach a separate
Traffic Department:		
Fire Department:		
City Planner:		
Building Department:		
Engineering Department	::	(Revised 3/14)

Application	No.		

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:
Location of Property/Address: 637 \$ 659 Winsted Road
Location of Property/Address: 637 \$ 659 Winsted Road Assessor's Map: 236 Block: 81 Lot: 9 Zone: LB (637) Area: 20.9761-AC.
Applicant: AJK, LLC
Applicant's Address 179 Colebrook River Road, Winsted, CT 06098
Applicant's Signature:
Phone: 860-307.7157 Fax: 860.379.1547 E-mail: mountaintop 1984@ gmail.com
Owner: Same as applicant
Owner's Address:
Phone: 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 exeavation permit
Section(s) of the Zoning Regulations giving the Planning and Zoning Commission authority to grant the
Special Exception(s): 6.4 Excapations
Describe the Special Exception(s) sought:
Renewal of earth excapation permit
Is there a conservation or preservation restriction on the property?YesXNo 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.
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Is this property within 500 feet of another municipality?Yes
Name the municipality: NA
Explain reasons for granting this special exception. List any proposed safeguard and conditions: Please refer to existing approve (
Is a site plan application being filed for this project at the same time as this Special Exception application? Yes No

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 - L. The proposed size, colors, location and lighting of all signs;
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- N. An informational table showing:
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 - b. proposed use of the property;
 - c. zone in which the property is located;
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 - 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;
 - 1. number of loading spaces provided;
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	OFFICE	USE ONLY			
is this property within 5	500 feet of another municipa	ality?	_Yes	No	
If yes, the town(s) is:	· · · · · · · · · · · · · · · · · · ·				
Date town(s) was/were	notified of public hearing: _				
	applications at this location:				
Departmental Commer	s with your approval, please				
Traffic Department:	S ervice de la constante de la				
Fire Department:	V				
City Planner:	2				
Building Department:	VENEZUA MUNICIPALITA MARIENTA				
Engineering Departmen	nt:			_	(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. McMorcow, P.E.

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Waiver Requests for Sections 6.4.2 and 6.4.4 of the Zoning 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

of 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

Start and Completion Dates:

Start Date:

Fall 2023

Completion Date:

Fall 2025 (Application Renewal Date)

- -Obtain all pennits
- -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 grab 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.

		16		
Waiver Requests for	Sections 6.4.2 an	nd 6.4.4 of the 2	Loning Regulati	ons
		8		

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, Connection. 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 Sits 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 Paugnur 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 camphasis 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 residencies 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:

- To improve communication between the developer, the explosives engineer and
 the community.
- 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 Gueiss. 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 foun, 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. Surficial 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.

H

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:



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

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.

Best,

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

Martin J Connor, AICP, City Planner

there was a high firealest because or the wordy dry anditions

City of Torrington

140 Main Street

Torrington, CT 06790

860-489-2220

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



²W: Winsted Road

_message

'eremy 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

SAUTION: 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



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

CITYOF 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 airborn 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 <u>Jeremy Leifert@torringtonct.org</u>.

Respectfully,

Jeremy Leifert, CZEO Assistant City Planner

Zoning/Wetlands Enforcement Official

Cc: Marty Connor, City Planner

File

COMPLAINT LOG - Q2

- 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)



sust Complaint - Winsted Road, Torrington, CT

messages

te 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

ountaintop 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]



ust Complaint - Winsted Road, Torrington, CT

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

Thu, Mar 30, 2023 at 4:01 F

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

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Job Name: MT. Top Address of Blast: 667	WINST	ed'Rel		City: Toak	ington	State:	77.
DATE: 10/25/22	Shot #1	Shot #2		Weather Condition	ons: FAM	Wind Din	ection:
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Burden:	10/12				<u> </u>		TOTAL TOTAL AND
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Blaster SenT Ren	10015	License #:	150285	State: 1	Signature:	11/11/4	1821 ma

Blast Design Plan

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

Blasting Log

Blast Location Info:					Date of Blass	:6/7/0	25
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ě.			Totals				
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Blast Location Info:		Market Market	2004-01-01-01	D	ate of	Blasi	:4	15/	23°		rent control	-		ementina)	
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Max Holes Per Delay:	0		3355 	1.	Max H	41100000									
Max Pounds Per Delay:	50				Max P										
Scale Distance:		<u> </u>	-	1	Scale i										
Predicted PPV: K Factor: 100	0.	35		Ĭ	Predic	ted P	PV: K	Factor	*****			er-ottendil		mm1	



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

Blast Location Info:	The state of the s	CONTRACTOR	artis to the same of the same		Date of Blast	: 10/11/	23
Job Name: MI TOP	QUARR	X- 0		Customer: 27			
Address of Blast: 667	Winsie	e Re		City: Jorge	4700	State	
DATE: 10/11/2-3	Shot #1	Shot #2		Weather Conditions	OVENCAS	Wind Dir	rection: NA
Time:	11:47			Fire Detail: Yes			
Operation	Querry			Type of Rock	GANITE TYPE	e of Terrain:	Benkel
**Construction, Quarry,	Tranch, Open	H 50		Identify Hazards:			
Water Depth:	0/10				and the second s		
Hole Diameter:	4			Precautions Taken:			
Burden:	10					. At a fine out the same of the same of	
Spading:	10			Calculations:	LB/0 \1.6	LAPLY	I
Stemming:	6			\rac{1}{2}		2-11-	
Sub Drill:			to the contraction and contract of Charles				
20			Totals				Ī
# Holes:	69		67				
Total Sq Ft:	6900		6900				
Avg. Drill Depth:	42		42			is to the control of	
Total Drill Footage:	2898		8898	Notes: 5/67	c. 0		1
Total Pay Yards:)H61	FIRE W	17h (ers
Total Yarda Shot:	10733.3	l <u></u>	10733.3				
Product Type & Size:	Explos	ve Info	Totals				
Bulk: Central Gold #	16900		16900				
Anfo: #			II				
Anfo WR:#						······································	
Exp. 1:#	l				21:1-14-1		Valuation and Texas
Exp. 2:#				·	Selsmic Moni		
Exp. 3:#	II		ļ ———— l	SHOT#1	Graph 1	Graph 2	Graph 3
Exp. 4:#				Graph (5eis) #:	18644	6677	
1/3lb Booster: (ea) #			11	Event #:		- 17	
1/2lb Booster. (ea) #	. 500		-50	PPV:	0-13	0.17	
11b Booster: (/35_ea) #	138		138	dB:	55.52 56	106.9 5B	
Total Pounds Shot: #	Complete Annual Control	L	17038	Operator:	wy'NSTECK	9	
Product Type & Size:	Detonator (unit/length)	Totals	Location: (m)	r.87.1071001	Compay	ENTRANCC.
Det 1: <u>60'00</u> ea	70		69	01107.50	O	C-ak A	0
Det 2: 40'00 ea			67	SHOT #2	Graph 1	Graph 2	Graph 3
Det 3: <u>30 4 9 Q.C.</u> ea	30		15	Graph (Sels) #:			
Det 4: _ 30 # 13 a/L ea	15		1-10	Event #:	APPENDANCE OF THE PERSON NAMED IN		
Det 5: ea			I	PPV:			
Lead Line: WA LF		لصيا	L	dB:		-	
Type of Cover (Dirt/Mats)		Ll	J.,	Operator:			
				Location:			1
	_/			LOCULOTI			
Onsite Delivery	YES	□NO		1 LOCALIO, II		10 0	J
Onsite Delivery Blaster: SGT Beach			15359		ignature: 📈	AL.	/

	of the comments of		DOL I	no trattata	***	en en en en en en en en	ancut manu		naphardillino	CONTRACTOR OF	THE PERSON NAMED IN	- 4-W - 100	PAGE TRANSPORT		-
Elast Location Info:	200							44	0-2			1-1-1	C.T.		ĺ
Address of Blast: 667 Winsted	1XX		water to the same	-	ity:	DER	27	on	venion		3	cate.	nnog mini	Torontor Surgery	
10 T 1227				Shot	N1			verse til Utangan			NUMBER BOOK	Nothing surge	100000000000000000000000000000000000000	PERSONAL PROPERTY AND PROPERTY	Notes and Associated in Contract of the Contra
Site Diagram: **Sifew Structures & Distances	Sho	t Diagr	am:	Ų	U	O	U	U	ن ن	O	O	Q	O	O	U
546T 500 10	U	O	O	O	O	O	Q	Ç	C	O	O	O	O	O	U
	10	0	0-	U	6	73	0	H	U	O	O	U	O	U	U
	0	0	0	U	0	,Q	0	45	0	O	0	0	O	0	v
R	10	0	0	U	U	84		10	0	0	U	U	O	-0	U
d	0	U	O	O	U	Ų,	5	77	0	0	O	O	U	O	U
	O	O	O	O	C	O	C	O	O,	O	O	O	O	O	U
	O.	S	O	C	O	O	O	O	O	O	O	0	O	O	O
N		O_	O	U	O	<u> </u>	O				U			ANCOMMON SHARE	0
THE WAS TO SHARE THE WAS THE WAS THE WAS TO SHARE THE WAS TH	***************************************	**********	destinana.	5hot	#2								and the second		NAME AND ADDRESS OF THE PERSON
Site Diagram: **Show Structures & Distance	Sho	t Diag	ram: ()	U	U	v	U	U	U	U	O	O	Ų	O	U
- A	U	O	O	O	· O	U	O	O	(U	S	O	O	O	O	ပ
	ပြ	U	O	O	19	O	O	O	O	Ç	O	U	O	O	U
MA	ပ	O	C	R	14	12	U	Ç	O	O	O	O	S	O	U
	U	O	ပ	U	O	C	0	O	O	Ç	O	O	O	O	O
distance of the second	υ	O	S	Ö	S	O	O	O	O	O	O	O	0	O	Ö
	O	O	O	O	Ö	0	O	0	0	0	0	0	0	O	O
_	O A	O	O	0	0	0	0	O	0	0	0	0	0	O	O
N	N H	U		O			O	O	Ö	O	<u>U</u>	O	0	U	ں
Formulas:	-177	7.				Ĩγŗ	HCBI COI	UITHIS			-			7	
SD=D/W".5 PPV=Kx(SD)^-1.6 K=PPVxSD 1.6			- 46	1								1	MA		
Shot #1									Shot					7	
Location of Closest Structure: ENTA		100						st Stru st Stru					11		4106
Distance of Closest Structure:	50		-					st Stri st Bor				1	11	-	
Distance of Closest Borehole:	<u> </u>		***		vistar Max l				SHOIS	•	7	1/17	TV.	7	
Max Holes Per Delay: Max Pounds Per Delay:	a	-	_					Delay:			8	7	1		
Scale Distance:		5	_		Scale			r.			8				
Predicted PPV: K Factor: 80	0.	-		3				Factor	ri .						



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

Blast Location Info:				Date of Blast: 9/26/23
Joh Name: Quarry		+> 1		Customer: MT Top
Address of Blast: <u>66</u>	7 Winsi	ted 12d	-	City: Tomington State: CT
DATE: 9/26/23	Shot #1	Shot #2		Weather Conditions: Smy Wind Direction: ME
Time:	2:03			Fire Detail: 🗆 Yes 🔊 🧷
Operation**	Quarry			Type of Rock: Granite Type of Terrain: Hill Identify Hazards: Slip Taip + Fall I mud
™Construction, Quaпу,	Trench, Open			Identify Hazards: Slip taip + Fall / mun
Water Depth:	0-50			F/ E t.
Hole Diameter:	<u> </u>			Precautions Taken: canety footing
Burden:	10			
Spacing:	10			Calculations:
Stemming:	8_1			
Sub Drill:	3			
W			Totals	
# Holes:	127		127	
Total Sq Ft:	12700		12 700	
Avg. Drill Depth:	48		48	
Total Drill Footage:	6096		6096	had to leave out, 16 holes
Total Pay Yards:				had to leave on 16 holes
Total Yards Shot:	?2,577		22,577	because Orlica could not supply
Product Type & Size:	Explosi	ve Info	Totals	2nd trenck
Bulk: Certina Gold #	34,947		34,947	
Anfo:#				
Anfo WR: #			i I	
Exp. 1:#			1	Seismic Monitoring Info:
Exp. 2:#				
Exp. 3:#				SHOT #1 Graph 1 Graph 2 Graph 3
Exp. 4: 20' #42 #	19pc_	<u> </u>	10pc_	(Graph (Seis) #. 292
1/3lb Booster: (ea) #			ļI	777
1/2lb Booster: (ea) #				12/
1lb Booster: (254 ea) #	254		254	ub.
Total Pounds Shot: #	35201		35501	In C
Product Type & Size:		unit/length)	Totals	Location: 1229 Winslad Ret Change Coranel
Det 1: 60 Handidel ea			126	Camba
Det 2: 30 Hardinet es			128	SHOT #2 Graph 1 Graph 2 Graph 3
Det 3: 20'#9 ea			1 -3	Graph (Seis) #:
Det 4: 20/#/7 ea		II	19	PPV:
Det 5: 20 #25 ea	a <u>19</u>		19	Frequency:
Lead Line: 2000 '	2000'	<u> </u>	20001	dB:
Type of Cover (Dirt/Mats)				Operator:
Amen's Assertage of				Location:
Onsite Delivery	YES	□ NO		4
M 1 C	1 -			State: CT Signature: Harr Sum
Blaster: / last Swit	en	License #:	155 27	State: C1 Signature:



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

Blast Location Info:	ELECTRICATE OF THE PARTY OF THE			Į.	ate of Blast	: 5/22/	23
The same of a same	· Y		0	Customer: 27			
Address of Blast:	win	sted R		City: JORAL	my jon	State:	
DATE: 6/22/23	Shot #1	Shot #2		Weather Conditions		Wind Dire	ection:
Time:	12:31			Fire Detail: 🗆 Yes			4
Operation**	Query			Type of Rock	emnite Type	of Terrain:	Bencol
**Construction, Quarry,	Trench, Open			Identify Hazards:			
Water Depth:	0/30				×		
Hole Diameter:	7"			Precautions Taken:			
Burden:	10/13				Manufacture and the second		Wartenapps and the se
Spacing:	10			Calculations:	- , 11	1.6.11-1	Del
Stemming:	6		c	(V)	(B/N)	~X & ¬V	V 2.
Sub Drill:	1						
		4	Totals		2		
# Holes:	180		180				
Total Sq Ft	18640		18640			1	1 - 5
Avg. Drill Depth:	46		46_	Notes: FACE (32)	-Single Pa	need.	buy
Total Drift Footage:	8280		8280	Notes:		SAF	- 1 QY
Total Pay Yards:	31757.0	2010/07/2010 11/07	3/757.03	FACE (32)	10x 10x 46	3840	6542
Total Yards Shot:	3175703		31757.03	100			
Product Type & Size:	Explos	iva Info	Totals	Boy (148) M	10×10×46	14800	25219
Bulk: CENTRA COLO #	50365		50365				
Anfo:#				<u></u>	- Library - Illumini Gulling	18640	3/757
Anfo WR: #							
Exp. 1:#							
Exp. 2 #					Seismic Monit		
Ехр. 3:#			I ——	SHOT #1	Graph 1	Graph 2	Graph 3
Exp. 4:#				Graph (Seis) #:	13511	6687	
1/3ib Booster: (ea) #				Event #:		-/	*
\$200 (178.25			PPV:	0.18	0.36	
11b Booster: (_/7/_ea) #	171		177	dB:	97.79	119.5	
Total Pounds Shot: #	50664.25		50668-25	Operator: Wiess	1/8Q	20_	
Product Type & Size:	Detorator (unit/length)	Totals	Location: 1229	UNITEC	awkin.	
Det 1: 80 ea	171		17/				
Det 2:	121		171	SHOT #2	Graph 1	Graph 2	Graph 3
Det 3:	20	I	20	Graph (Seis) #:			
Det 4: 20 42 ea		II	Z	Event #:			
Det 5: ea				PPV:			
Lead Line: 👌😂 LF	Deep	L	Jose	dB:	***************************************		
Type of Cover (Dirt/Mats)	open		open,	Operator:			
The second secon				Location:		Tage: This or	
3							THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAME

Blast Location Info:	0	ACC - A GR		epytonium C	ate of	Blast	5/2	12/2	3		2	tate: .	0.7	-	No.
Address of Blast: 47 Win See					-		1709/	AND DESCRIPTION OF THE PERSON		mark the state of		LAUS.		*	namental materials
				Shot	<u>#1</u>			Market Street		ONECCEDURA	Comment of the	eyelkin-ma	weeks and		
Site Diagram: "Show Structures & Distance 1294	Sho	t Diagr	O am:	ပ	U	O	U	O	O	O,	C	O	O	O	U
	U	O	O	O	O	U	U	00	C	O	U	U	υ	U	O
_	10	\circ	0	0	0	U	U,	140	0	70	-50	U	O	O	
1545	0	U	0	U	0	U	0	Come	0	200	' O	U	0	0	V
1 500	0	U	0	U	U	0	O	Contract of the second	9	5	-(-)	0	O	U	O
7711	10	U	O	O	0	O	O	5	D	O	,0	U	O	O	0
angs	0	U	O	O	O	O	U	5	-() -()	40'	U	0	-	0	9
	Ö	Ü	U	0	O	O	O	8	U	U	U	U	O	U	U
N	N	Ų	U	ပ	U	O	U	O	O	υ	O	U	U	U	U
	- William Co.		**********	Shot	#2										NAME OF TAXABLE PARTY.
Site Diagram: "Show Structures & Distance		t Diag	ram:		()	()	()	()	()	7.5	()	()	4.1	()	
* 25.	0	0	O	O	S	0	0	V.	· (5)	0	0	()	0	0	0
· ·		0	. :		<i>\(\)</i>			() E	· ()	0	()	Ó	O	0	
		. 0		0			0		<i>(</i>)	′,	<i>(</i>)	()	O	()	O
40		O	<i>.</i> .				0	0		0	45	()	()	O	O
		O	<i>(</i>)	0		0	7.		0	C	0	0	()	U	U
		O		0		0	0	0	0	0	0	0	0	O	7
	10	O	O	O	O	0	0	0							O
	O _A	O	O	O	O	O	O	Ò	Ü	O	O	O	O	O	U
N ·	<u> </u>	O	Ų,	<u>U</u>	, O	Q	0	O CO	O.	<u> </u>	C)	Q	O	U	
Formulas: 50 = D / W .5 PPV = K x (SD) ^-1.6 K = PPV x SD 1.6	#	7		16		Тур	ह्या दिला	ITHNS							
Shot #1	-b1	1	,						Shot	· #Э		<u></u>		_]	
Location of Closest Structure:	ceres Alon	2/2	651	7	Locati	on of	Closes	t Stru	************				···		
Distance of Closest Structure:	800	~	_		Distan									-	
Distance of Closest Borehole:	800		-		Distan	ce of	Closes	st Bore	ehole:	:	0.7			-	
Max Holes Per Delay:	2			- 1	Max H			•							
Max Pounds Per Delay:	_56	6	2		Max P)elaγ:			-			-	
Scale Distance:	_3_3	-62	-		Scale I			PO							
Predicted PPV: K Factor: 100	0.	36	- Carrer		Predic	ted P	7 V; K ∣	Factor						-	



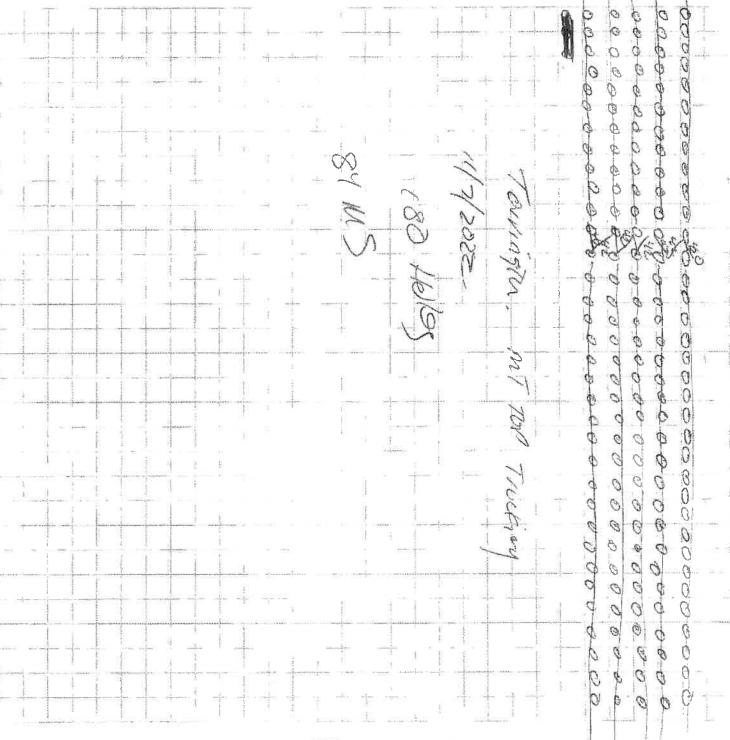
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BAYSTATE BLASTING, INC



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

Blast Location Info:		AND DECEMBER OF	- ALCOHOLOGICA	Da	ate of Blast	:11/7/20	22
Joh Mama: MT. Tist).	T contact for		Customer: MT	TOPTIVE	King	
Address of Blast:	Willstel	en.	100	City: ZOKKIE		State:	CT
		and the same of th	WASHINGTON TO STATE	Weather Conditions:	1. Acm	Wind Din	ection: 3/a
DATE: 11/7/2022	Shot #1	Shot #2		Fire Detail: Yes			GOOD TO THE TOTAL OF THE TOTAL
Time:	1:00			Type of Rock:	92	of Tormine	zared
Operation**	QURRY	Legania de la constanta de la		Identify Hazards:	1436	or remain.	New York or an arrangement of
"Construction, Quan	Communication			STORES, T/	ntra 1	out ,	James State Berlin
Water Depth:	25						
Hole Diameter:	4"			Precautions Taken: ¿	STAT HOE	Se-17	
Burden:	10-12				Management of the second	hadaaning bereing an account	
Spacing:	10			Calculations:			
Stemming:	8-10			12'+10'+3	•	4.4440 x 3	s's Males
Sub Drill:	14/14	NAME OF TAXABLE PARTY.	P	= 517551554	L		
n B			Totals	10 410 435	27=137.03	342 × 145	HO65 =
# Holes:	180		180	19.870.37	40		
Total Sq Ft	17,250	<u></u>	17.250	1		C	
Avg. Drill Depth:	37'		37	TOTAL =	25-625.	72 755	>
Total Orlil Footage:	6.660		61660	Notes:	🛶 😹	1	
Total Pay Yards:	2516251		35/25,92	Some &	epet use	26 65	<u> </u>
Total Yards Shot	25162519	2	X.65.92	2545	Help to	Hole Ti	ne
Product Type & Size:	Explosi	ive Info	Totals				
Bulk: T.TAN 1000	35,464		35,464				
	#						
	#						
	#						
	#				Seismic Moni	itoring Info:	
Ехф. 3:	#			SHOT #1	Graph 1	Graph 2	Graph 3
•	#			Graph (Sels) #:	13510	13511	
	#			Event #:	1		
	#			PPV:	16/1	WT	
11b Booster. (360 ea)	# 360		360	dB:	re/T	WT_	
Total Pounds Shot:	Authors were war and a second and	provincement of Malanas	35,804	Operator: MK	- Sullivan	Mike Sel	in
Product Type & Size:		unit/length)	Totals	Location: 1289 W	raistel on	3/ Martis	is to
Committee of the commit	a 167		167	- Approximent			
0.00 Per 10.00 P	ea 193		193	SHOT #2	Graph 1	Graph 2	Graph 3
	7		7	Graph (Sels) #:			
- Ma	12		12	Event #:			
1	a 20		20	PPV:			
	F 2500		zsw'	dB;			
20 00	-		o practical desired to be a second				
Type of Cover (Dirt/Mats)	KI/A		MA	Operator:			711 1 - P-1/11
	4.1	P== 1.0		Location:			
Onsite Delivery	DYES	□NO					
Blocker R D 1 D/ 1 /1	dla	License #	15396	State: of Si	gnature:	2/20	

Blast Location Info: Address of Blast: 667 (UNTESTER	1 1997				ate of			7/20	25.50	, ,	S	tate: (MIXMUTERNA	Common and
Address of blast 90 ray and		anne de mo		Shot	A service of the service of		ensemberagi entre		**************************************	D Grundwich SERVICE STREET		Carrie Cons		AND SHIP OF THE PARTY OF THE PA	$\overline{}$
Site Diagram: **Show Structures & Distances*	Sho	t Diagi	uncountries a	21144	anneesses	esperience de la constitución de			Estimates			ULINAPHIUUPOON		encumental (A)	announce of
	U	U	O	\circ	O	O	O	O	S	S	O	O	O	O	O
ل	U	O	U	O	O	O	O	O	O	Ö	O	O	U	O	O
X)OH	U	O	Ų	Ü	Q	ري	المراد	10	O	U	O	O	U	O	O
0	U	O	S,	er U	O	U	U	O	O	C	O	U	O	O	U
/ 5	U	O	U	O	O	O	\circ	U	O	O	O	O	O	O	ပ
Set Set	U	O	O	O	O	O	C	U	O	S	O	O	Ç	O	U
, and	U	U	O	O	O	O	\circ	Ö	O	C	Ç	S	O	O	U
	O	Ö	O	Ö	O	O	O	O	O	U	O	Ö	O	\circ	O
N Cape ISIN	N	U	O	ပ	ပ	O	U	U	U	U	O	U	U	U	U
Reserved and the second and the seco		ALFORD MATERIAL STATES	a social water the	5hot	#2			WINDS NO.		مسجو بيسان	-		onderparter participate		
Site Diagram: **Show Structures & Distances*		t Diag		10700 PE 108111	S/Vistol-years I	()	/ \		<i>(</i>)	-uniterioric	7.5	()	2.1	U	U
		Q	O	O	O	-							<i>.</i> .		
	0	Ö	O	O	O	O	O	O	O	O	O	O	U	Ç	U
we analysis	O	Ö	C	O	O	O	O	O	C	O	O	O	O	O	U
	O	O	O	O	S	O	O	O	Ç	O	O	O	O	O	U
	U	Ò	O	O	O	O	O	O	O	O	O	U	O	O	S
	U	()	O	O	Q	O	O	O	O	O	S	O	O	S	U
	ပ	O	O	O	S	O	O	O	O	O	O	O	O	O	U
	Ų	U	O	O	O	Ö	O	O	O	Ç	O	O	U	O	Ų
A N	N N	U	ပ	U	U	U	U	Ų	U	U	U	U	U	U	U
Formulas:		namental d			,,,,,,,,,,	100	HCDI (LO)	umins.				pro serva	Sharint Auth	-1	
SD = D / W ".5 PPV = K x (SD) ^-1.6	事		2+1++1						Op. 3444			NAME OF TAXABLE PARTY.			
K = PPV X5D 1.b	選	Į.													
Shot #1									Shot	#2		<u></u>	mati et stada fili	J	
Location of Closest Structure: 1289 6	instal.	ein		-	Locati	on of	Close	st Stru		-					
Distance of Closest Structure:	1000				Distan	ice of	Close	st Stru	icture	:					
Distance of Closest Borehole:	1000	01		1	Distar	ice of	Close	st Bor	ehole:	:					
Max Holes Per Delay:	2		-	1	Max F	ioles F	er De	elay:						***	
Max Pounds Per Delay:	339	75	_	- 1				Delay:					*	-	
Scale Distance:	65	08			Scale									-	
Predicted PPV: K Factor: 6-2160	0.2	_			Predic	ted P	PV: K	Factor	7					200	



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

Blast Location Info:					ate of Blas	st: 6/7/	12
Job Name:	TORRIN	5 TON	0	Customer: 27	TT TOP		-
Address of Blast: 447	wins	Ted a	4	City: Tongi	un ion	State:	<u>C7.</u>
DATE: 6/7/20	Shot #1	Shot #2		Weather Conditions:	SINN	/ Wind Dire	ection: Ne
Time:	12:07			Fire Detail: Yes	□ No		
Operation**	Dunay	and the state of t		Type of Rock: 6	From LITY	pe of Terrain:	Ser-Ct/
**Construction, Quarry,	Tranch, Open		N.	Identify Hazards:		•	
Water Depth:	0/25		**				
Hole Diameter:	4			Precautions Taken:		nam	
Burden:	9/15	l		Aprel and the State of the Stat	parameter some consumer and the	A TOP OF THE PARTY	i de la compania del compania de la compania del compania de la compania del compania de la compania de la compania del comp
Spacing:	10			Calculations:	[B/D)	11.6 xx	= PPI
Stemming:	8	-****				1.6 /	-000
Sub Drill:		Lagencerating	Processor and the same				į
			Totals			1911	1
# Holes:	135		135				1
Total Sq Ft	14190		1450				1
Avg. Drill Depth:	37.5		37.5				
Total Drill Footage:	50625		5062.5	Notes:	· -	JG	FTICYD
Total Pay Yards:			-	A 449 3	1-5	ere -	
Total Yards Shot:	19768-22		19708 33	Stree 15	$\times / O \times 3$	7.5 51	100 7083.2
Product Type & Size;	Explosi	we Info	Totals	2010 2010	10 x 3	,	70 1265
Bulk: 4400 #	27/21		2718/	TOTALS	VIII - P. A. COLOTTO HOTTO - P. A.	14/5	0 19 70. 26
Anfo: #			1				
Anfo WR:#					- Making Assert		
Exp. 1:#		I	l l			nomica managementa	
					O-1		
Exp. 2:#					Seismic Mo		
Exp. 3: #				SHOT #1	Graph 1	Graph 2	Graph 3
Ехф. 3: # Ехф. 4: #				Graph (Sels) #:			Graph 3
Ехр. 3: # Ехр. 4: # 1/3lb Booster: (ea) #				Graph (Sels) #: Event #:	Graph 1 8644 	Graph 2 18645	Graph 3
Exp. 3: # Exp. 4: # 1/3lb Booster: (ea) # 1/2lb Booster: (ea) #				Graph (Sels) #: Event #: PPV:	Graph 1 8244 0.27	Graph 2 18645 1 0.27	Graph 3
Exp. 3: # Exp. 4: # 1/3lb Booster: (ea) # 1/2lb Booster: (ea) # 1lb Booster: (ea) #	270			Graph (Sels) #: Event #: PPV: dB:	Graph 1 8244 0.27 25.9	Graph 2 18645 1 0.27 123-5	Graph 3
Exp. 3: # Exp. 4: # 1/3lb Booster: (ea) # 1/2lb Booster: (ea) #	THE REAL PROPERTY AND ADDRESS OF THE PARTY AND			Graph (Sels) #: Event #: PPV: dB: Operator:	Graph 1 18644 1 0.27 125.9 MS	Graph 2 18645 1 0.27 123-5 7115	
Exp. 3: # Exp. 4: # 1/3lb Booster: (ea) # 1/2lb Booster: (ea) # 1lb Booster: (ea) # Total Pounds Shot: # Product Type & Size:	9719 Detonator (gentinistani, 316, person 17, 128	2371 2371 Totals	Graph (Sels) #: Event #: PPV: dB: Operator:	Graph 1 8244 0.27 25.9	Graph 2 18645 1 0.27 123-5 7115	Graph 3
Exp. 3: # Exp. 4: # 1/3lb Booster: (ea) # 1/2lb Booster: (ea) # 1lb Booster: (20_ea) # Total Pounds Shot: # Product Type 6 Size: Det 1: 60 00 ea	9739 (Detonator (i	gentinistani, 316, person 17, 128	Totals	Graph (Sels) #: Event #: PPV: dB: Operator: Location:	Graph 1 18844 1 0.27 125.9 M5 W # 657	Graph 2 18645 1 0.27 123.5 711.5 667 QUARES	N ENTANCE
Exp. 3: # Exp. 4: # 1/3lb Booster: (ea) # 1/2lb Booster: (ea) # 1lb Booster: (2o_ea) # Total Pounds Shot: # Product Type & Size: Det 1: 60 00 ea Det 2: 40 00 ea	# 739 [Detonator (I	gentinistani, 316, person 17, 128	Commence	Graph (Sels) #: Event #: PPV: dB: Operator: Location: SHOT #2	Graph 1 18644 1 0.27 125.9 MS	Graph 2 18645 1 0.27 123-5 7115	
Exp. 3: # Exp. 4: # 1/3lb Booster: (ea) # 1/2lb Booster: (ea) # 1lb Booster: (2o) # Total Pounds Shot: # Product Type & Stre: Det 1: 60 00 ea Det 2: 40 00 ea Det 3: 50 44 01 ea	97391 Detonator (135 135 8	gentinistani, 316, person 17, 128	Totals /35 /35 81	Graph (Sels) #: Event #: PPV: dB: Operator: Location: SHOT #2 Graph (Sels) #:	Graph 1 18844 1 0.27 125.9 M5 W # 657	Graph 2 18645 1 0.27 123.5 711.5 667 QUARES	N ENTANCE
Exp. 3: # Exp. 4: # 1/3lb Booster: (ea) # 1/2lb Booster: (ea) # 1lb Booster: (2O_ea) # Total Pounds Shot: # Product Type & Stre: Det 1:	# 739 [Detonator (I	gentinistani, 316, person 17, 128	Totals	Graph (Sels) #: Event #: PPV: dB: Operator: Location: SHOT #2 Graph (Sels) #: Event #:	Graph 1 18844 1 0.27 125.9 M5 W # 657	Graph 2 18645 1 0.27 123.5 711.5 667 QUARES	N ENTANCE
Exp. 3: # Exp. 4: # 1/3lb Booster: (ea) # 1/2lb Booster: (ea) # 1lb Booster: (2O_ea) # Total Pounds Shot: # Product Type & Stre: Det 1: 60 00 ea Det 2: 40 00 ea Det 3: 30 447 01 ea Det 4: 30 44 45 0 62 Det 5:ea	9739 [] Detonator (135 135 135 10	gentinistani, 316, person 17, 128	Totals 13.6 13.6 5.1 10	Graph (Sels) #: Event #: PPV: dB: Operator: Location: SHOT #2 Graph (Sels) #: Event #: PPV:	Graph 1 18844 1 0.27 125.9 M5 W # 657	Graph 2 18645 1 0.27 123.5 711.5 667 QUARES	N ENTANCE
Exp. 3: # Exp. 4: # 1/3lb Booster: (ea) # 1/2lb Booster: (ea) # 1lb Booster: (2O_ea) # Total Pounds Shot: # Product Type & Stre: Det 1:	97391 Detonator (135 135 8	gentinistani, 316, person 17, 128	Totals /35 /35 81	Graph (Sels) #: Event #: PPV: dB: Operator: Location: SHOT #2 Graph (Sels) #: Event #:	Graph 1 18844 1 0.27 125.9 M5 W#657	Graph 2 18645 1 0.27 123.5 711.5 667 QUARES	N ENTANCE
Exp. 3: # Exp. 4: # 1/3lb Booster: (ea) # 1/2lb Booster: (ea) # 1lb Booster: (2O_ea) # Total Pounds Shot: # Product Type & Stre: Det 1: 60 00 ea Det 2: 40 00 ea Det 3: 30 447 01 ea Det 4: 30 44 45 0 62 Det 5:ea	9739 [] Detonator (135 135 135 10	gentinistani, 316, person 17, 128	Totals 13.6 13.6 5.1 10	Graph (Sels) #: Event #: PPV: dB: Operator: Location: SHOT #2 Graph (Sels) #: Event #: PPV:	Graph 1 18844 1 0.27 125.9 M5 W#657	Graph 2 18645 1 0.27 123.5 711.5 667 QUARES	N ENTANCE
Exp. 3: # Exp. 4: # 1/3lb Booster: (ea) # 1/2lb Booster: (ea) # 1lb Booster: (2Oea) #	Detonator (135 136 8 10 500 10 500 10 10 10 10 10 10 10 10 10 10 10 10 1	gentinistani, 316, person 17, 128	Totals 136 136 81 10	Graph (Sels) #: Event #: PPV: dB: Operator: Location: SHOT #2 Graph (Sels) #: Event #: PPV: dB;	Graph 1 18844 1 0.27 125.9 M5 W#657	Graph 2 18645 1 0.27 123.5 711.5 667 QUARES	N ENTANCE
Exp. 3: # Exp. 4: # 1/3lb Booster: (ea) # 1/2lb Booster: (ea) # 1lb Booster: (2Oea) #	9739 1 Detonator (1 135 136 8 10	gentinistani, 316, person 17, 128	Totals 136 136 81 10	Graph (Sels) #: Event #: PPV: dB: Operator: Location: SHOT #2 Graph (Sels) #: Event #: PPV: dB; Operator:	Graph 1 18844 1 0.27 125.9 M5 W#657	Graph 2 18645 1 0.27 123.5 711.5 667 QUARES	N ENTANCE
Exp. 3: # Exp. 4: # 1/3lb Booster: (ea) # 1/2lb Booster: (ea) # 1lb Booster: (2oea) # Total Pounds Shot: # Product Type & Stre: Det 1:	Detonator (1 13 5 10 10 10 10 10 10 10 10 10 10 10 10 10	unit/length)	Totals 136 136 81 10	Graph (Sels) #: Event #: PPV: dB: Operator: Location: SHOT #2 Graph (Sels) #: Event #: PPV: dB; Operator: Location:	Graph 1 18844 1 0.27 125.9 M5 W#657	Graph 2 18645 1 0.27 123.5 711.5 667 QUARES	N ENTANCE

Blast Location Info: Address of Blast: 467 W IN	Sted	<u>7.</u>		D C	ate of ity:	Blast York	12	129			S	tate: 🤇	97.		
			tristieners er	Shot i	<u> 11</u>		miennisc			70.1 - EUR					ACHIEVA PARTIE
Site Diagram: ""Show Structures & Distances"	Shot	Dlago	am: ()	ပ	U	U	U	O	U	U	O	O	O	O	U
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The second secon	(0)	THE DESIGNATION OF THE PERSON NAMED IN		<u>Shot</u>	#2	-	program former				THE STREET	de de la constante de la const	SQCD-DAMES	mais mass	
Site Diagram: **Show Structures & Distances**	O	Diag ()	ram: 。()	O	O	O	O	O	U	U	O	Ö	O	O	U
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Formulae: 8 8 8 8 8 8 8 8 8 8	的		37	,5		Тур	ical Colu	amns				K	1	V.	[]
Shot #1 Location of Closest Structure: Nauk	(h) #	11	7	T	nceti	nn of	Cincad	t Stru	Shot cture	-	# [2]		-/-	#7	
Location of Closest Structure:	-100	0		- 1				st Stru				/	27	\\	-
Distance of Closest Borehole:	90	O	_		Distan	ce of	Closes	st Bore	ehole		2.	1		_/	1
Max Holes Per Delay:	2	-	_	1.3	Max F			-	1/	1,	/ /.		7	_	
Max Pounds Per Delay:	<u> di</u>	<u> </u>	-24	- 1				Delay:	4	/	1.	1	/_		
Scale Distance:		3:5	2.0 7		Scale i			Earte-	-,	1	/	1		terito :	
Predicted PPV: K Factor: 100	<u></u>	-1-	/	1	rreald	ted P	rv: K	Factor						-	-

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

Blast Location Info:		•	Date of Blast: 5/23/22
Job Name: West Point	CEAC MITTO	Pavaray	Customer: DOBCO Group MT. TOP
Address of Blast: 667	WINSTER	RX	City: West Point TORRING FON State: TE C.T.
DATE: 5/23/22	Shot #1 Sh	ot #2	Weather Conditions: 50007 Wind Direction:
Time:	12.25		Fire Detail: ☐ Yes ☑ No
Operation**	205.		Type of Rock: GRANGTE Type of Terrain: BENCH
**Construction, Quarry,	Trench, Open		Identify Hazards:
Water Depth:	0/30		
Hole Diameter:	4		Precautions Taken:
Burden:	10/15		J. F.
Spacing:	10		Calculations: SQFT CYO
Stemming:	8,		FACE 35 10×15×43 5250 8361.11
Sub Drill:			Book 76 10 × 10 × 43 760 12103.
	per	Totals	
# Holes:	111_		TOTALS 12800 20464. 8
Total Sq Ft:	12850	12850	1911
Avg. Drill Depth:	43	<u> </u>	
Total Drill Footage:	4773	y773	Notes: SHOT Fire Dwith ares
Total Pay Yards:	7	0-1/(/-	Sier Filed WITH GRES
Total Yards Shot:	20464-8	20464.81	
Product Type & Size:	Explosive Info		
POSITION OF THE RESIDENCE OF THE PROPERTY OF T	29583	29583	
Anfo:#	l		
Anfo WR: #			
Exp. 1: 2 2x 16 #	50 _	60_	
Exp. 2:#	III		Seismic Monitoring Info:
Exp. 3:#	<u> </u>		SHOT #1 Graph 1 Graph 2 Graph 3
Exp. 4:#			Graph (Seis) #: 18643 18644
1/3lb Booster: (ea) #	—— <u> </u>	III	PPV: 0:3/ 0.35
1/2lb Booster: (ea) #	222	1010	Frequency: <u>89</u> 34
11b Booster: (<u>J/J</u> ea) # Total Pounds Shot: #		13006#	dB: 18/-5 119-3 Operator: 50 50
1	Rendered Company of the American	29837.	
Product Type & Size: Det 1: 60 00 ea	Detonator (unit/le		Location: 66 1 DUMPLENTED DUNKIN 697
1.1006		· ///-	CHOT #2 Creek 1 Creek 2 Creek 2
- 1/40		16	SHOT #2 Graph 1 Graph 2 Graph 3
Det 3: 204 42 ea			Graph (Seis) #:
Det 5: ea	-		
Det 6: ea			dB:
Lead Line: N/A LF	4 7 / 4 11	17/14	Operator:
Type of Cover (Dirt/Mats)	3247		Location:
Onsite Delivery	YES □	INO	
Blaster:	wiles Lice	nse #: 15389	State: Signature:

Blast Location Info: Address of Blast: はていいろだえ	00	7			Date of				33		(c	tate b			
Address of Blast. 65 100 100 160	10.0	***************************************	*****	Shot		<u>1884-7</u>	GMIL"	1012	12129	ION	7 5	itale <u>b</u>	-		
Site Diagram: **Show Structures & Distances**	Sho	t Diag	ram: ()	<u> </u>	()	()	()	()	()	()	()	()	()	()	
WINSTEL RED		()	()	()	()	()	\odot	\odot	\mathcal{O}	$\overline{0}$	U	\circ	U	O	U
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850/ guo	0	0	0	0		5	54	0	-U	- U	U	O	U	- 0	0
1/	O	0	D.	0		5	74	0	0		U	0	J	U	-
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	le.			<u>Shot</u>	#2			*********		usiiwii ==		-			
Site Diagram: **Show Structures & Distances**	Sho	t Diag	ram:	\bigcirc	\circ	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	U
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V • • • • • • • • • • • • • • • • • • •	U	\bigcirc	\bigcirc	\bigcirc	\bigcirc	()	\circ	\bigcirc	\circ	\bigcirc	\circ	\bigcirc	\bigcirc	\bigcirc	U
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N	N	U	0	0	0	0	0	\circ		<u> </u>		0			9
Formulas: 5D = D / W .5 PPV = K x (5D) ^-1.6 K = PPV x SD 1.6			 _ 45	/		Түр	cal Colu	mns	Ch	42			N	7	
Shot #1 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:	5 860 860	50	- - 57	C C M S	ocatio Distand Distand Max H Max Po Gcale E	ce of (ce of (oles P ounds)istan	Closes Closes er Dei Per D ce:	t Stru t Bore lay: Jelay:	cture: hole:					-	



Baystate Blasting, Inc. Dealer # 6-MA-013-26-2K-00941

Blast Location Info: 2017	TOP	Annual III. Annual			Date of Blast:		
Blast Location Info: MT Job Name: West Point (CEAC	00)	Customer: DO	BCO Group M7	700	
Address of Blast: 667	WINST	ed Rd		City: West Po	int TORRINGE	₩State: <u>₩</u>	rcl.
DATE: 12/27/21	Shot #1	Shot #2		Weather Conditions	overens	Wind Direct	tion: NE
Time:	1123			Fire Detail: T Yes	No		
Operation**	Genery			Type of Rock:	KANTTO Type o	of Terrain: 🍊	encol
**Construction, Quarry,		'		Identify Hazards			
Water Depth:	0/20				ose To To		
Hole Diameter:	4"			Precautions Taken:	Cone EV	De Sign	
Burden:	_7						
Spacing:	10			Calculations:	TLBIA)	1/6	10.1.
Stemming:	8'			(1 LOID)	XK	= 1000.
Sub Drill:	0_						
			Totals				
# Holes:	140		140				
Total Sq Ft:	12600		12600				
Avg. Drill Depth:	35		28				
Total Drill Footage:	3920		3920	Notes:		194	
Total Pay Yards:	-						
Total Yards Shot:	13066.6	<u>[</u>]	13066.60				
Product Type & Size:	Explosi	ve Info	<u>Totals</u>				
Bulk: 4400 #	16/71		16/72	<u></u>	, dames van		
Anfo: #							
Anfo WR: #			lI				
Exp. 1:#		ll					
Exp. 2:#					Seismic Monit		
Exp. 3:#				SHOT #1	Graph 1	Graph 2	Graph 3
Exp. 4:#				Graph (Seis) #:	12301	12900	The second secon
1/3lb Booster: (ea) #				PPV:	0.11	0093	
1/2lb Booster: (#	28.5		28.5	Frequency:	2142	41	
1lb Booster: (<u>/#/</u> ea) #	140		140	dB:	90	JIO V	
Total Pounds Shot: #	16340.5		16340-5	Operator:	AX LIE		
Product Type & Size:		unit/length)	Totals	Location:	1083WiNS	TRY DUMAN	6Mc.
Det 1: 60 ea		-0.	90_	[UNIT 65		
Det 2: 40 ea			5/	SHOT #2	Graph 1	Graph 2	Graph 3
Det 3: ea	356_		56	Graph (Seis) #:	-	-	
Det 4: Jost 9 ORea	4		1 1	PPV:			
Det 5: _ 20 # 17 Q Lea			14	Frequency:	8 		
Det 6: ea		I		dB:		1	
Lead Line: LOO LIL LF			000	Operator:	-	9-61-1	
Type of Cover (Dirt/Mats)	often		(4)	Location:			
Onsite Delivery	□YES				Đ.	121	
KIMO T	Zens		1/400	54-4-17	. A	11/2	
Blaster: Color	uns	License #:	10 WX 5	State: <u>CI</u> S	Signature://	28	

Blast Location	Info:	2				ate o		12	10%	721	-	sr				
						Date of Blast: 12/3//1 [City: Wass Point Torking Tork						State MC7.				
					Shot	#1								antenerial en	ALL STREET	
Site Diagram:	**Show Structures & Distances*	Sho	t Diag	ram:				NAME OF STREET		No.						
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		10	\bigcirc	\bigcirc	\bigcirc	\circ	\bigcirc	\bigcirc	O_{i}	U	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
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N		N	U	U	U	<u> </u>	0	U	0	<u> </u>	0	<u> </u>	O	\cup	_ ()	0
					Shot	#2										
Site Diagram:	**Show Structures & Distances	Sho	t Diag	ram:	\circ	\cup	\circ	\circ	\circ	\cup	O	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\cup
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A STATE OF THE PARTY OF THE PAR	J54		mworws		III.			oical Coli		OPPLEMENT					4	
Formulas: SD = D / W .5	/s#	神	M	-		1.2-00111100	1 4/2	ncar con	IIIII)S				1	\mathbb{V}	1	
PPV = K x (SD) ^-1.6 K = PPV x SD 1.6	Bulk	[]	H	-22	5"								VI	////	4	
	14	-	Y										L	IVI		
Shot #1					Shot #2											
Location of Closest Structure:				- 1	Location of Closest Structure: Distance of Closest Structure:											
Distance of Closest Structure:			1	Distance of Closest Structure: Distance of Closest Borehole:						_						
Distance of closest bolished.			1	Max Holes Per Delay:						1_						
Max Holes Per Delay: Max Pounds Per Delay:			1	Max Pounds Per Delay:												
Scale Distance: 51.69				4	Scale Distance:											
Predicted PPV: K Factor: 160 0.29			1	Predicted PPV: K Factor:												



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

Burden: Spacing: Spacing: Spacing: Spacing: Spacing: Sub Drill: Sub	Blast Location Info:				Date of Blast: 19/13/9/
Address of Blast:	Job Name: West Point -	CEAC MITT	Top _ C	7	Customer: DOBCO Group MITTO A
Time:	Address of Blast: 467	hlinsted	1 RX		City: West Point TORRING TONState: WY C.T.
Time: Operation**	DATE: 12/13/1	Shot #1	Shot #2		Weather Conditions: SUNNY Wind Direction: N/E
Type of Rock Type of Terrain: Type of Terrain		- 11	3.034.112		
# Hole Diameter: Burden: Spacing: Calculations: Precautions Taken: Precautions Take		Querrey			
Hole Diameter:	·				
Hole Diameter:	Water Depth:	0/5			
Burden:	Hole Diameter:	4"			Precautions Taken:
Stemming:	Burden:	9/11			
Stemming:	Spacing:	10			Calculations:
# Holes: 77	Stemming:	7'			
# Holes: Total Sq Ft Avg. Drill Depth: Obs. Avg. Drill Depth. Avg. Drill De	Sub Drill:	0			
Total Sq Ft Avg. Drill Depth: Total Drill Footage: Total Pay Yards: Total Pay Yards: Total Yards Shot: Product Type & Size: Bulk: 44 An Anfo: # # # # # # # # # # # # # # # # # # #		Name and Associated Street, St		Totals	
Avg. Drill Depth: Total Drill Footage: Total Pay Yards: Total Yards Shot: Product Type & Size: Bulk: 44 An An An An An An An Exp. 2: Exp. 3: Exp. 3: Exp. 4:	# Holes:				
Total Drill Footage: 37 6 97 6 97 75 97 97 97 97 97 97	Total Sq Ft:				
Total Pay Yards: Total Yards Shot: Product Type & Size: Explosive Info Totals Product Type & Size: Product Type &	Avg. Drill Depth:	28		28	
Total Yards Shot: TST3-35	Total Drill Footage:	2716		2716	
Total Yards Shot: TST3-35	Total Pay Yards:				06 PARE 11410 × 18 0860 2965.
Bulk: 4400 # 14534 1	Total Yards Shot:	9592.58		9592-58	
Anfo: # Anfo WR: # Exp. 1: # Exp. 2: # Exp. 3: # Exp. 4: # 1/3lb Booster: (ee) # 1/2lb Booster: (97 ea) # Total Pounds Shot: # Product Type & Size: Detonator (unit/length) Det 1: 40 PD ea Det 2: 32 PD ea Det 3: 3041 QC ea Det 4: 304172R ea Det 5: ea Det 5: ea TOTA	Product Type & Size:	Explosive	info	Totals	71) Body 9x10485 6390 6626-6
Anfo: # # # # # # # # # # # # # # # # # # #	Bulk: 4400 #	14.534		11534	
Seismic Moniforing Info: SHOT #1 Graph 1 Graph 2 Graph 3	Anfo: #				TOTALS 9250 9592.
Seismic Monitoring Info: SHOT #1 Graph 2 Graph 3 Graph 4 Graph 5 Graph 3 Graph 6 Graph 6 Graph 7	Anfo WR: #				
SHOT #1 Graph 2 Graph 3 Graph 4 Graph 3 Graph 4 Graph 4 Graph 5 Graph 3 Graph 6 Graph 6 Graph 3 Graph 6 Graph 6 Graph 3 Graph 6 Graph 6 Graph 6 Graph 3 Graph 6 Graph 6 Graph 3 Graph 6 Grap		-			
Exp. 4: #	Exp. 2:#				
1/3 b Booster: (Exp. 3:#				The state of the s
1/2 Booster: (33 ea) # 16.5 Frequency: 33 ea) # 16.5 Frequency: 35 36 37 38 38 38 38 38 38 38	Exp. 4:#				Graph (Seis) #: 12301 12293
Total Pounds Shot: #	, , ,	-,,-		-77	
Total Pounds Shot: #		16.5		16'7	1 / / / /
Det 1: 40 00 ea 97 97 SHOT #2 Graph 1 Graph 2 Graph 3 Det 3: 30 417 31 ea 10 Det 5: ea		7/		9/	
Det 1: 40 00 ea 97 Det 2: 30 00 ea 33 Det 3: 304700 ea 5 Det 4: 3041700 ea 6 6 7 Det 5: ea 6 7 Det 5: Frequency:	Total Pounds Shot: #	187/5]	11071.5	1 11-11 0
Det 2: 30 00 ea 33 SHOT #2 Graph 1 Graph 2 Graph 3 Det 3: 40 10 00 ea 5 5 Graph (Seis) #: PPV: PPV: Frequency:			t/length)	3	
Det 3: 3047 QR ea 5 Graph (Seis) #: Det 4: 30417 & R ea D PPV: Det 5: ea Frequency:					
Det 4: <u>36#17 & R</u> ea <u>10</u> PPV: Pet 5: Frequency:				33	
Det 5: Frequency:			I	5	
		10		10_	
					1.05
	Det 6:ea		[]	-	dB:
		1000			The standard of the standard o
	Type of Cover (Dirt/Mats)	ONLY -		Dry	Location:
Onsite Delivery YES NO	Onsite Delivery	W YES	⊔ NO		(1 May
Blaster: State: Signature: 15389 State: Signature:	Blaster State	KS 1i	cense#: /	5389	State: (1) Signature: Addition

Blast Design Plan Date of Blast: 12-/13 Blast Location Info: Address of Blast: 667 Winsted Rd State M. C.T. City: West Point Torriby Tor Shot #1 Shot Diagram: Site Diagram: **Show Structures & Distances** \bigcirc WINSTED DTATE Shot #2 Shot Diagram: **Show Structures & Distances** Site Diagram: \bigcirc Typical Columns Formulas: SD = D / W .5 PPV = K x (SD) ^-1.6 K = PPV X SU 1.5 Shot #2 Shot #1 Location of Closest Structure: ENTRANCE Location of Closest Structure: Distance of Closest Structure: Distance of Closest Structure: 800 Distance of Closest Borehole: Distance of Closest Borehole: Max Holes Per Delay: Max Holes Per Delay: Max Pounds Per Delay: 248 Max Pounds Per Delay: Scale Distance: 50.82 Scale Distance: 0.29 Predicted PPV: K Factor: Predicted PPV: K Factor: 120



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

Blast Location Info:	5			Customer: Debco Group M.T. Top
Job Name: West Point	CEAC QU	MARK)	Customer: BOBCO Group M.T. Top
Address of Blast: 667	WINSTE	de		City: West Point Totaling Ton State:
DATE: 12/3/21	Shot #1	Shot #2		Weather Conditions: Wind Direction: Wind Direction:
Time:	10:43			Fire Detail: ☐ Yes ☑ No
Operation**	Quaris			Type of Rock: GRANITE Type of Terrain: Swill
**Construction, Quarry,	Trench, Open			Identify Hazards: Close To Reser.
Water Depth:	0/3			y (to
Hole Diameter.	4"			Precautions Taken: Very CAREFUL GESIGN
Burden:	9/12			
Spacing:	10			Calculations (TLB/O) 11.6xx=PPV.
Stemming:	8			(0.00,.0)
Sub Drill:	0			
	,,,,,		Totals	
# Holes:	75		75	
Total Sq Ft:	720		7000	
Avg. Drill Depth:	27		08'	
Total Drill Footage:	20,85		9025	Notes:
Total Pay Yards:				FACE 15 HOLES 18 X 10 X 07 may
Total Yards Shot:	7200		7200	Saff C.Y.
Product Type & Size:	Explos	ive Info	<u>Totals</u>	1800 1800
Bulk: 4400 #	9/33		7/33	Saly. 60 16/25
Anfo:#		<u> </u>		5400 5400
Anfo WR: #				700 700
Exp. 1:#				700
Exp. 2: #				Seismic Monitoring Info:
Exp. 3:#			II	SHOT #1 Graph 2 Graph 3
Exp. 4:#				Graph (Seis) #: /22.75 /8644
1/3lb Booster: (ea) #				PPV: 0.39 0.10
1/2lb Booster: (ea) #		l		Frequency: 48 12
1lb Booster: (<u>99</u> ea) #	77		94	dB: 120.5 106.9
Total Pounds Shot: #	9227		927	Operator: 50 53
Product Type & Size:		unit/length)	Totals	Location: Darcay 1803 UNITES
	54		74	
Det 2: 00 #9 QK ea			18	SHOT #2 Graph 1 Graph 2 Graph 3
Det 3: <u>20 #170</u> 2 ea	_/		1/	Graph (Seis) #:
Det 4:ea		<u> </u>		PPV:
Det 5;ea		l		Frequency:
Det 6: ea		ll		dB:
Lead Line! ORD Forf LF	1000		1000	Operator:
Type of Cover (Dirt/Mats)	تعريبا			Location:
Onsite Delivery	□ YES	□ NO		The state of the s
Blaster: San Sant	15	License #-	15289	State: CI Signature: