



Blast Report



Job#	103-03-01462	Cust. PO#	N/A
Date	7/24/2024	Cust. Supt. Name	RON

Customer Name	D & M Civil Inc	Pick Tks#	35586	N/A
Job Address	Cell Signaling Site D & M Civil IncBy The Sea	N/A	N/A	N/A
		N/A	N/A	N/A

State MA Permit No. _____ Identify Hazards

Pre Shift Insp.Time (24hrs) : 8:00:00 AM FLY ROCK
PROPERTY DAMAGE

Post Shift Insp.Time (24hrs): 4:00:00 PM

Blaster : Swaby;Hoip D Precautions Taken:
License #: 007151 DOUBLE MAT & USE BLAST DESIGN
Signature: MOVE ALL MOVEABLES

Weather
Comments:

CLOUDY

No. of Crew Members	2		
Crew Members Names :			
DAVID S	STEVEN M	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Seismograph Monitoring Plan (Not to Scale):



Weather

SHOT #1

TEST BLAST FOR DRAIN & WATER

Weather Conditions: CloudyTemp (°F): 70-75Wind Direction: North

Wind Spd: 1-5 MPH

Blast Direction:	<u>South</u>	Max Holes/Delay:	<u>3</u>	Predicted K Factor:	<u>160</u>
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Blast Location: DRAIN/WATER **Slope:** -1.6 **Scale Dist.:** 38.37

Location of Structure:	1 BEAVER DAM ROAD	Predicted Max Weigh/Delay:	106	Lbs	Predicted PPV:	0.47
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Measurement	Google Map	Dist. to Closest (Ft)	Structure	395	Railroad/Highway	486	Overhead Util	1010	Underground Util	1010
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Pay Calculations Notes

Fire Detail # of Hrs: 8

Pay Square Area	1056 Feet
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N/A N/A N/A

N/A N/A

6 X 8 X 22 HOLES = 1056 SQ FT

Configuration

1 - Open

Total Drill Depth(Ft)	418.00	Total SqFt	1056.00	Avg Powder	1.15 Lbs/Cyd	Total Product Weight (Lbs) :	851
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Total Tons	N/A	Total Yards	743.11	Factor	0.87 Cyd/Lbs	Avg Weight / Hole (lbs):	38.68
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Cal Method	Pattern				
# Holes	22	# Loaded Holes	22	Cover Used/No Blast	21

	AVG	Min	Max										
Drill Depth	19		12	22	Stone Weight	N/A /Cyd	Top Stemming	6	Min	16	Max		
Burden(Feet)	6	Feet	6	6	Type of Terrain	Hilly	Charges/Hole	1	Min	1	Max		
Spacing (Feet)	8	Feet	8	8	Type of Rock	Granite	Deck Stemming	0	Min	0	Max		
Hole Diameter	3.5		3.5	3.5	Stemming Type	3/8" Crushed Stone	Charge Wgt/Deck	26	Min	53	Max		
OverBurden (Ft)	8		2	15	Height of Face	0	Depth of Water	0	Min	2	Max		

Control Row Taped	Y	Angled Holes /Face Bermed	N/Y	Laser/BoreTracking	N
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Total Pounds **850.50 Lbs**

Type Of Initiation: Non-Electric

Product #	Desc	Density	Wgt
QR743G	TITAN 1000 LD (G)	1.25	834.00 Lbs
BA BULK Totals:		N/A	834.00 Lbs

Product #	Desc	Qty	Wgt	
SP0350	TROJAN SPARTAN 350G BOOSTER 49/CS	22	16.50	Lbs
BOOSTERS Totals:		22	16.50	Lbs

Product #	Desc	Qty	Length
DXABZ629	NONEL EZDET 25/350 30FT ZCOMP 40/CS	22	
DETS DHOLE Totals:		22	

Product #	Desc	Qty	Length
DY17Z820ME	NONEL EZTL CPZ 17 MS 20/FT 60/120/CS	16	
DY25Z812ME	NONEL EZTL CPZ 25 MS 12FT 90/180/CS	20	

SURF DELAY Totals: 36

Description: MAX/LBS

Elevation	Feet
Brench (ft)	N/A
Floor (ft)	N/A
Overburden (ft)	2
Sub Drilling(ft)	3
Total Depth (ft)	22.00

Stemming Stones	12
TITAN 1000 LD (G)	10
TROJAN SPARTAN 350G BOOSTER 49/CS	0
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	

Seismographs**Actual Max Weight/Delay:106****Lbs**

Operator Name	Location of Seis	GPS Location	Seis #	Monitor Log Status	Actual PPV	Actual PPV Freq,	Actual db	Actual Dist. (ft)	Actual K Factor
DAVID S	1 BEAVER DAM ROAD	42°35'39.26"N	10289	Triggered	0.508	66.1	121.0	395	174
DAVID S	MANCHESTER ATHLETIC CLUB	42°35'30.75"N	10755	Threshold Not Met	N/A	N/A	N/A	1202	N/A
DAVID S	27 MILL ST	42°35'25.27"N	10290	Threshold Not Met	N/A	N/A	N/A	1136	N/A