



Blast Report



Job#	103-03-01462	Cust. PO#	N/A
Date	7/25/2024	Cust. Supt. Name	RON

Customer Name	D & M Civil Inc	Pick Tks#	35587	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
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Pre Shift Insp.Time (24hrs) :	8:00:00 AM	FLY ROCK/ PROPERTY DAMAGE
Post Shift Insp.Time (24hrs):	3:00:00 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):



Shot # 2 Shot Time (24hrs) 12:31 Shot VideoTaped: Y

Weather

Notes:

SHOT #2
BLAST FOR BUILDING
ELEVATION IS 75
DRILLED TO ELEVATION 72

Weather Conditions: Cloudy
Temp (°F): 70-75
Wind Direction: North
Wind Spd: 1-5 MPH

Preblast

Blast Direction: North Max Holes/Delay: 1 Predicted K Factor: 242
Blast Location: BUILDING Slope: -1.6 Scale Dist.: 62.80
Location of Structure: 1 BEAVER DAM RD Predicted Max Weigh/Delay: 42 Lbs Predicted PPV: 0.32
Measurement Google Map Dist. to Closest (Ft) 407 Structure 407 Railroad/Highway 407 Overhead Util 407 Underground Util 407

Pay Quantities

Pay Calculations Notes

Fire Detail # of Hrs: 8
Pay Square Area 2448 Feet
N/A N/A
N/A N/A

6 X 8 X 51 HOLES = 2448 SQ FT

Shot Info

Configuration

1 - Open

Total Drill Depth(Ft)	<u>714.00</u>	Total SqFt	<u>2448.00</u>	Avg Powder	<u>1.30</u> Lbs/Cyd	Total Product	<u>1655</u>
Total Tons	<u>N/A</u>	Total	<u>1269.33</u>	Factor	<u>0.77</u> Cyd/Lbs	Avg Weight /	<u>32.45</u>
		Yards				Hole (Lbs):	
Cal Method	Pattern						
# Holes	<u>51</u>	# Loaded Holes	<u>51</u>	Cover Used/No	<u>Blast</u>	<u>30</u>	
	<u>AVG</u>	<u>Min</u>	<u>Max</u>				
Drill Depth	<u>14</u>	<u>14</u>	<u>14</u>	Stone Weight	<u>N/A</u> /Cyd	Top Stemming	<u>6</u> Min <u>9</u> Max
Burden(Feet)	<u>6</u> Feet	<u>6</u>	<u>6</u>	Type of Terrain	<u>Flat</u>	Charges/Hole	<u>1</u> Min <u>1</u> Max
Spacing (Feet)	<u>8</u> Feet	<u>8</u>	<u>8</u>	Type of Rock	<u>Granite</u>	Deck Stemming	<u>0</u> Min <u>0</u> Max
Hole Diameter	<u>3.5</u>	<u>3.5</u>	<u>3.5</u>	Stemming Type	<u>3/8" Crushed Stone</u>	Charge Wgt/Deck	<u>26</u> Min <u>42</u> Max
OverBurden (Ft)	<u>3</u>	<u>1</u>	<u>7</u>	Height of Face	<u>0</u>	Depth of Water	<u>0</u> Min <u>3</u> Max
Control Row Taped	<u>Y</u>			Angled Holes /Face Bermed	<u>N/Y</u>	Laser/BoreTracking	<u>N</u>

Total Pounds 1655.25 Lbs

Type Of Initiation: Non-Electric

Product #	Desc	Density	Wgt
QR743G	TITAN 1000 LD (G)	1.25	1617.00 Lbs
BA BULK Totals:		N/A	1617.00 Lbs
Product #	Desc	Qty	Wgt
SP0350	TROJAN SPARTAN 350G BOOSTER 49/CS	51	38.25 Lbs
BOOSTERS Totals:		51	38.25 Lbs

Product #	Desc	Qty	Length
DXABZ623	NONEL EZDET 25/350 24FT ZCOMP 60/CS	51	
DETS DHOLE Totals:		51	
Product #	Desc	Qty	Length
DY17Z820ME	NONEL EZTL CPZ 17 MS 20/FT 60/120/CS	8	
DY25Z812ME	NONEL EZTL CPZ 25 MS 12FT 90/180/CS	50	
SURF DELAY Totals:		58	

Description: MAX/LBS

Elevation	Feet
Brench (ft)	N/A
Floor (ft)	N/A
Overburden (ft)	1
Sub Drilling(ft)	3
Total Depth (ft)	14.00

Stemming Stones	6
TITAN 1000 LD (G)	8
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:42****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 RD	42°35'39.26"N	10289	Triggered	0.094	33.6	120.1	407	71
DAVID S	MANCHESTER ATHLETIC CLUB	42°35'30.75"N	10755	Triggered	0.073	36.6	116.4	787	158
DAVID S	27 MILL ST	42°35'25.27"N	10290	Threshold Not Met	N/A	N/A	N/A	1027	N/A