



Blast Report



Job#	103-03-01462	Cust. PO#	N/A	
Date	9/27/2024	Cust. Supt. Name	RON	
Customer Name	D & M Civil Inc	Pick Tkts#	34453	N/A
Job Address	Cell Signaling Site D & M Civil Inc By 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) : 7:00:00 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:
SUNNY

No. of Crew Members	<u>3</u>		
Crew Members Names :			
DAVID S	MIKE C	PAUL C	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 # 44 Shot Time (24hrs) 11:20 Shot VideoTaped: Y

Weather

Notes: SHOT #44
 BLAST FOR BUILDING & RETAINING WALL
 ELEVATION FOR BUILDING & RETAINING WALL IS 105
 DRILLED TO ELEVATION 102 FOR BUILDING & RETAINING WALL.

Weather Conditions: Sunny
 Temp (°F): 55-65
 Wind Direction: North
 Wind Spd: 1-5 MPH

Preblast

Blast Direction: South-East Max Holes/Delay: 1 Predicted K Factor: 160
 Blast Location: BUILDING Slope: -1.6 Scale Dist.: 59.89
 Location of Structure: MANCHESTER ATHLETIC CLUB Predicted Max Weigh/Delay: 53 Lbs Predicted PPV: 0.23
 Measurement Google Map Dist. to Closest (Ft) Structure 436 Railroad/Highway 538 Overhead Util 580 Underground Util 580

Pay Quantities

Pay Calculations Notes

Fire Detail # of Hrs: 8
 Pay Square Area 1782 Feet
 N/A N/A
 N/A N/A

6 X 9 X 33 HOLES = 1782 SQ FT

Shot Info

Configuration

1 - Open

Total Drill Depth(Ft)	<u>429.00</u>	Total SqFt	<u>1782.00</u>	Avg Powder	<u>1.45</u> Lbs/Cyd	Total Product Weight (Lbs) :	<u>1241</u>
Total Tons	<u>N/A</u>	Total Yards	<u>858.00</u>	Factor	<u>0.69</u> Cyd/Lbs	Avg Weight / Hole (Lbs):	<u>37.61</u>

Cal Method	Pattern						
# Holes	<u>33</u>	# Loaded Holes	<u>33</u>	Cover Used/No	<u>Blast</u>	<u>25</u>	
	AVG	Min	Max				
Drill Depth	<u>13</u>	<u>11</u>	<u>16</u>	Stone Weight	<u>N/A</u> /Cyd	Top Stemming	<u>6</u> Min <u>8</u> Max
Burden(Feet)	<u>6</u> Feet	<u>6</u>	<u>6</u>	Type of Terrain	<u>Hilly</u>	Charges/Hole	<u>1</u> Min <u>1</u> Max
Spacing (Feet)	<u>9</u> Feet	<u>9</u>	<u>9</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>53</u> Max
OverBurden (Ft)	<u>2</u>	<u>0</u>	<u>4</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 1240.66 Lbs

Type Of Initiation: **Non-Electric**

Product #	Desc	Density	Wgt
QR743G	TITAN 1000 LD (G)	1.25	1189.00 Lbs
BA BULK Totals:		N/A	1189.00 Lbs

Product #	Desc	Qty	Length
DXABZ629	NONEL EZDET 25/350 30FT ZCOMP 40/CS	44	
DETS DHOLE Totals:		44	

Product #	Desc	Qty	Wgt
DN260420008	DYNAMAX PRO 2X8 (50X200) TS EC CAPW	41	51.66 Lbs
HI-EX Totals:		41	51.66 Lbs

Product #	Desc	Qty	Length
DY17Z820ME	NONEL EZTL CPZ 17 MS 20/FT 60/120/CS	17	
DY25Z812ME	NONEL EZTL CPZ 25 MS 12FT 90/180/CS	22	
SURF DELAY Totals:		39	

Descriptor: MAX/LBS

Elevation	Feet
Brench (ft)	N/A
Floor (ft)	N/A
Overburden (ft)	2
Sub Drilling(ft)	3
Total Depth (ft)	16.00

Stemming Stones	6
TITAN 1000 LD (G)	10
DYNOMAX PRO 2X8 (50X200) TS EC CAPW 19.3KG	0
N/A	
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:53

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	MANCHESTER ATHLETIC CLUB	42°35'30.75"N	10793	Threshold Not Met	N/A	N/A	N/A	436	N/A
DAVID S	1 BEAVER DAM RD	42°35'39.26"N	10289	Threshold Not Met	N/A	N/A	N/A	746	N/A
MARCUS K	27 MILL ST	42.592791 N	10883	Threshold Not Met	N/A	N/A	N/A	800	N/A
MARCUS K	MEDICAL BUILDING	42.590592 N	10260	Threshold Not Met	N/A	N/A	N/A	932	N/A