



Blast Report



Job#	103-03-01462	Cust. PO#	N/A	
Date	8/22/2024	Cust. Supt. Name	RON	
Customer Name	D & M Civil Inc	Pick Tks#	34403	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.		
Pre Shift Insp.Time (24hrs) :	6:00:00 AM	Identify Hazards	FLY ROCK / PORPERTY DAMAGE	
Post Shift Insp.Time (24hrs):	3:00:00 PM			
Blaster :	Swaby;Hoip D	Precautions Taken:		
License #:	007151		DOUBLE MAT / MOVE ALL MOVEABLES	
Signature:				

Weather
Comments:

SUNNY

No. of Crew Members	4		
Crew Members Names :			
DAVID S	MIKE C	BRUCE D	PAUL C
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Seismograph Monitoring Plan (Not to Scale):



Shot # 19 Shot Time (24hrs) 12:07 Shot VideoTaped: Y

Weather

Notes:

SHOT #19
BLAST FOR BUILDING
ELEVATION IS 75
DRILLED TO ELEVATION 71
BACK WALL ELEVATION IS 98
DRILLED TO ELEVATION 95

Weather Conditions: Sunny
Temp (°F): 70-75
Wind Direction: North
Wind Spd: 5-15 MPH

Preblast

Blast Direction: North-East Max Holes/Delay: 1.00 Predicted K Factor: 160
Blast Location: BUILDING Slope: -1.60 Scale Dist.: 53.13
Location of Structure: 1 BEAVER DAM RD Predicted Max Weigh/Delay: 106 Lbs Predicted PPV: 0.28
Measurement GPS Dist. to Closest (Ft) Structure 547 Railroad/Highway 472 Overhead Util 557 Underground Util 557

Pay Quantities

Fire Detail # of Hrs: 8

Pay Calculations Notes

Pay Square Area 1260 Feet

N/A N/A N/A

N/A N/A N/A

7 X 10 X 18 HOLES = 1260 SQ FT

Shot Info

Configuration

1 - Open

Total Drill Depth(Ft) 828.00 Total SqFt 1260.00 Avg Powder 1.19 Lbs/Cyd Total Product Weight (Lbs) : 2562
Total Tons N/A Total Yards 2146.67 Factor 0.84 Cyd/Lbs Avg Weight / Hole (Lbs): 142.33

Cal Method Pattern
Holes 18 # Loaded Holes 18 Cover Used/No Blast 28
AVG Min Max
Drill Depth 46 30 54 Stone Weight N/A /Cyd Top Stemming 8.00 Min 22 Max
Burden(Feet) 7.00 Feet 7.00 7.00 Type of Terrain Flat/Sloped Charges/Hole 1 Min 2 Max
Spacing (Feet) 10.00 Feet 10.00 10.00 Type of Rock Granite Deck Stemming 3 Min 4 Max
Hole Diameter 3.50 3.50 3.50 Stemming Type 3/8" Crushed Stone Charge Wgt/Deck 30 Min 106 Max
OverBurden (Ft) 1 0 3 Height of Face 30.00 Depth of Water 0 Min 2 Max
Control Row Taped Y Angled Holes /Face Bermed N/N Laser/BoreTracking Y

Total Pounds 2561.63 Lbs

Type Of Initiation: Electronic

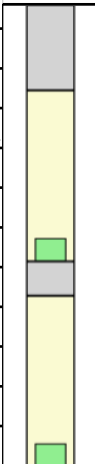
Product #	Desc	Density	Wgt
QR743G	TITAN 1000 LD (G)	1.25	2462.00 Lbs
BA BULK Totals:		N/A	2462.00 Lbs
Product #	Desc	Qty	Wgt
QD51425016	Blastex 2 1/2 X 16 40LBS/CS 12/STKS	23	76.59 Lbs
BAPACKAGED Totals:		23	76.59 Lbs
Product #	Desc	Qty	Wgt
TR0350	TROJAN SHIELD "S" 350G 49/CS	36	23.04 Lbs
BOOSTERS Totals:		36	23.04 Lbs

Product #	Desc	Qty	Length
DS44060A	DIGISHOT DETONATOR 60FT/18.3M 52/CS	36	
DETS DHOLE Totals:		36	

Description: MAX LBS

Elevation	Feet
Brench (ft)	N/A
Floor (ft)	N/A
Overburden (ft)	0
Sub Drilling(ft)	3.00
Total Depth (ft)	54.00

Stemming Stones	10
TITAN 1000 LD (G)	20
TROJAN SHIELD "S" 350G 49/CS	0
Stemming Stones	4
TITAN 1000 LD (G)	20
TROJAN SHIELD "S" 350G 49/CS	0
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 RD	42°35'39.26"N	10755	Triggered	0.086	16.9	125.6	547	50
DAVID S	MANCHESTER ATHLETIC CLUB	42°35'30.75"N	10289	Triggered	0.286	36.6	114.8	809	308
MARCUS K	27 MILL ST	42.592791 N	10883	Triggered	0.350	17.6	108.4	778	354
MARCUS K	MEDICAL BUILDING	42.590592 N	10260	Triggered	0.055	42.6	102.8	1245	118