



Blast Report



Job#	103-03-01462	Cust. PO#	N/A	
Date	8/13/2024	Cust. Supt. Name	RON	
Customer Name	D & M Civil Inc	Pick Tks#	35387	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) :	6:30:00 AM	Identify Hazards	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:				

Weather
Comments:

SUNNY

No. of Crew Members	4		
Crew Members Names :			
DAVID S	BRUCE D	JEFF B	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 #	<u>14</u>	Shot Time (24hrs)	<u>12:04</u>	Shot VideoTaped:	<u>Y</u>	Weather
Notes:	SHOT #14					Weather Conditions: <u>Sunny</u>
	BLAST FOR BUILDING					Temp (°F): <u>65-75</u>
	ELEVATION IS 75					Wind Direction: <u>North</u>
	DRILLED TO ELEVATION 72					Wind Spd: <u>1 - 5</u> MPH

Preblast

Blast Direction:	<u>North</u>	Max Holes/Delay:	<u>1</u>	Predicted K Factor:	<u>160</u>
Blast Location:	<u>BUILDING</u>	Slope:	<u>-1.60</u>	Scale Dist.:	<u>44.43</u>
Location of Structure:	<u>1 BEAVER DAM RD</u>	Predicted Max Weight/Delay:	<u>145</u> Lbs	Predicted PPV:	<u>0.37</u>
Measurement	<u>Google Map</u>	Dist. to Closest (Ft)	<u>Structure 535</u>	Railroad/Highway	<u>377</u>
		Overhead Util	<u>516</u>	Underground Util	<u>516</u>

Pay Quantities

Fire Detail # of Hrs:	<u>8</u>	Pay Calculations Notes
Pay Square Area	<u>2832 Feet</u>	(7 X 10 X 15 HOLES) + (6 X 9 X 33 HOLES) = 2832 SQ FT
N/A	<u>N/A N/A</u>	
N/A	<u>N/A N/A</u>	

Shot Info

Configuration	1 - Open				2 - Open			
Loaction	BUILDING				BUILDING			
Cal Method	Pattern				Pattern			
# Holes	15	#Loaded Holes		15	33	#Loaded Holes		33
Cover Used/No	Blast Mats		17		Blast Mats		20	
	AVG		Min	Max	AVG		Min	Max
Drill Depth	33	Feet	27	35	13	Feet	13	14
Burden	7	Feet	7	7	6	Feet	6	6
Spacing	10	Feet	10	10	9	Feet	9	9
Hole Diameter	3.5	Inches	3.5	3.5	3.5	Inches	3.5	3.5
OverBurden (Ft)	0		0	0	4		2	8
Dimensional	N/A		N/A		N/A		N/A	
Stone Weight	N/A	Tons/Cyd			N/A	Tons/Cyd		
Type of Terrain	Sloped				Flat			
Type of Rock	Granite				Granite			
Stemming Type	3/8" Crushed Stone				3/8" Crushed Stone			
Top Stemming	7	Min	9	Max	6	Min	9	Max
Charges Per Hole	1	Min	1	Max	1	Min	1	Max
Deck Stemming	0	Min	0	Max	0	Min	0	Max
Charge Wgt/Deck	106	Min	148	Max	21	Min	42	Max
Depth of Water	0	Min	2	Max	0	Min	3	Max
Height of Face	0				0			
Angled Holes /Face Bermed	N/Y				N/N			
Laser/BoreTracking	N				N			
Control Row Taped	Y				Y			
Type Of Initiation	Non-Electric				Non-Electric			
Total Drill Depth	495.00 Feet				429.00 Feet			
Total Sq Area	1050.00 Feet				1782.00 Feet			
Total Cubic Vol.	1283.33 Yards				858.00 Yards			
Total Weight	N/A US Tons				N/A US Tons			
Total Product Wgt:	1943 Lbs				1279 Lbs			
Avg Weight/Hole :	129.53 Lbs				38.76 Lbs			
Avg Powder Factor:	1.51 Lbs/Cyd		0.66 Cyd/Lbs		1.49 Lbs/Cyd		0.67 Cyd/Lbs	

Product #	Desc	Totals:	Configuraton 1		Configuraton 2		Shot Total	
			Qty	Wgt	Qty	Wgt	Qty	Wgt
QR743G	TITAN 1000 LD (G)		1919	1919.00	1241	1241.00	3160	3160.00
			Denisty		1.25 Denisty		1.25	
BA BULK Totals:			1919	1919.00	1241	1241.00	3160	3160.00
SP0350	TROJAN SPARTAN 350G BOOSTER 49/CS		32	24.00	51	38.25	83	62.25
BOOSTERS Totals:			32	24.00	51	38.25	83	62.25

Product #	Desc	Configuraton 1		Configuraton 2		Shot Total	
		Qty	Length	Qty	Length	Qty	Length
DXABZ629	NONEL EZDET 25/350 30FT ZCOMP 40/CS	4		51		55	
DXABZ660	NONEL EZDET 25/350 60FT ZCOMP 25/50/CS	28				28	
DETS DHOLE Totals:		32		51		83	
Product #	Desc	Qty	Length	Qty	Length	Qty	Length
DJ25025	NONEL LEADLINE 2500FT/762M 2/CS			1	1000	1	1000
LINES Totals:				1		1	
Product #	Desc	Qty	Length	Qty	Length	Qty	Length
DY17Z820ME	NONEL EZTL CPZ 17 MS 20/FT 60/120/CS	14		14		28	
DY25Z812ME	NONEL EZTL CPZ 25 MS 12FT 90/180/CS	3		27		30	
SURF DELAY Totals:		17		41		58	

Descripton: MAX/LBS	
Elevation	Feet
Brench (ft)	N/A
Floor (ft)	N/A
Overburden (ft)	0
Sub Drilling(ft)	3
Total Depth (ft)	34.0
Stemming Stones	7
TITAN 1000 LD (G)	7
TROJAN SPARTAN 350G BOOSTER 49/CS	0
TITAN 1000 LD (G)	20
TROJAN SPARTAN 350G BOOSTER 49/CS	0
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	

Descripton: MAX/LBS	
Elevation	Feet
Brench (ft)	N/A
Floor (ft)	N/A
Overburden (ft)	2
Sub Drilling(ft)	3
Total Depth (ft)	14.0
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	

Seismograhs

		Actual Max Weight/Delay:145			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	0.080	23.8	122.0	585	40
DAVID S	MANCHESTER ATHLETIC CLUB	42°35'30.75"N	10755	Triggered	0.126	34.1	111.7	891	123
MARCUS KATYNSKI	27 MILL ST	42.592791 N	10883	Triggered	0.225	23.2	109.2	738	163
MARCUS KATYNSKI	MEDICAL BUILDING	42.590592 N	10260	Threshold Not Met	N/A	N/A	N/A	1334	N/A