



# Blast Report




Job#	103-03-01462	Cust. PO#	N/A	
Date	8/28/2024	Cust. Supt. Name	RON	
Customer Name	D & M Civil Inc	Pick Tks#	35354	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) : 6:00:00 AM FLY ROCK  
PROPERTY DAMAGE

Post Shift Insp.Time (24hrs): 3:00:00 PM

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



Weather Comments:  
SUNNY

No. of Crew Members 3

Crew Members Names :

DAVID S	PEYTON M	BRUCE D	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 # 24 Shot Time (24hrs) 11:46 Shot VideoTaped: Y

**Weather**

**Notes:** SHOT #24  
BLAST FOR WATER, SEWER, DRAIN, MANHOLE

Weather Conditions: Sunny  
Temp (°F): 65-75  
Wind Direction: North  
Wind Spd: 1 - 5 MPH

**Preblast**

Blast Direction: North-East Max Holes/Delay: 2 Predicted K Factor: 242  
 Blast Location: WATER/SEWER/DRAIN/MANHOLE Slope: -1.6 Scale Dist.: 64.17  
 Location of Structure: 1 BEAVER DAM RD Predicted Max Weight/Delay: 32 Lbs Predicted PPV: 0.31  
 Measurement Google Map Dist. to Closest (Ft) Structure 363 Railroad/Highway 676 Overhead Util 306 Underground Util 306

**Pay Quantities**

Fire Detail # of Hrs: 8

**Pay Calculations Notes**

Pay Square Area 3528 Feet  
N/A N/A N/A  
N/A N/A N/A

(6 X 7 X 74 HOLES) + (5 X 7 X 12 HOLES) = 3528 SQ FT

**Shot Info**

Configuration	1 - Open				2 - Trench			
Loaction	WATER/SEWER/DRAIN/MANHOLE				DRAIN			
Cal Method	Pattern				Pattern			
# Holes	74	#Loaded Holes	74		12	#Loaded Holes	12	
Cover Used/No	Blast Mats	34			Blast Mats	6		
	AVG		Min	Max	AVG		Min	Max
Drill Depth	11	Feet	11	11	11	Feet	11	11
Burden	6	Feet	6	6	5	Feet	5	5
Spacing	7	Feet	7	7	7	Feet	7	7
Hole Diameter	3.5	Inches	3.5	3.5	3.5	Inches	3.5	3.5
OverBurden (Ft)	3		2	6	2		2	4
Dimensional	N/A		N/A		N/A		N/A	
Stone Weight	N/A	Tons/Cyd			N/A	Tons/Cyd		
Type of Terrain	Flat				Flat			
Type of Rock	Granite				Granite			
Stemming Type	3/8" Crushed Stone				3/8" Crushed Stone			
Top Stemming	6	Min	8	Max	6	Min	7	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	16	Min	26	Max	16	Min	26	Max
Depth of Water	0	Min	2	Max	0	Min	2	Max
Height of Face	0				0			
Angled Holes /Face Bermed	N/Y				N/Y			
Laser/BoreTracking	N				N			
Control Row Taped	Y				Y			
Type Of Initiation	Non-Electric				Non-Electric			
Total Drill Depth	814.00 Feet				132.00 Feet			
Total Sq Area	3108.00 Feet				420.00 Feet			
Total Cubic Vol.	1266.22 Yards				171.11 Yards			
Total Weight	N/A US Tons				N/A US Tons			
Total Product Wgt:	1557 Lbs				229 Lbs			
Avg Weight/Hole :	21.04 Lbs				19.08 Lbs			
Avg Powder Factor:	1.23 Lbs/Cyd		0.81 Cyd/Lbs		1.34 Lbs/Cyd		0.75 Cyd/Lbs	

Product #	Desc	Totals:	Configuraton 1		Configuraton 2		Shot Total	
			Qty	Wgt	Qty	Wgt	Qty	Wgt
QR743G	TITAN 1000 LD (G)		1575	1556.50	232	229.00	1807	1785.50
			1501	1501.00	220	220.00	1721	1721.00

		Denisty		1.25 Denisty		1.25	
<b>BA BULK Totals:</b>		<b>1501</b>	<b>1501.00</b>	<b>220</b>	<b>220.00</b>	<b>1721</b>	<b>1721.00</b>
SP0350	TROJAN SPARTAN 350G BOOSTER 49/CS	74	55.50	12	9.00	86	64.50
<b>BOOSTERS Totals:</b>		<b>74</b>	<b>55.50</b>	<b>12</b>	<b>9.00</b>	<b>86</b>	<b>64.50</b>

Product #	Desc	Configuraton 1		Configuraton 2		Shot Total	
		Qty	Length	Qty	Length	Qty	Length
DXABZ623	NONEL EZDET 25/350 24FT ZCOMP 60/CS	74		12		86	
<b>DETS DHOLE Totals:</b>		<b>74</b>		<b>12</b>		<b>86</b>	

Product #	Desc	Qty	Length	Qty	Length	Qty	Length
		DJ25025	NONEL LEADLINE 2500FT/762M 2/CS	1	500		
<b>LINES Totals:</b>		<b>1</b>				<b>1</b>	

Product #	Desc	Qty	Length	Qty	Length	Qty	Length
		DY17Z812ME	NONEL EZTL CPZ 17 MS 12FT 90/180/CS	13		5	
DY25Z812ME	NONEL EZTL CPZ 25 MS 12FT 90/180/CS	80		10		90	
<b>SURF DELAY Totals:</b>		<b>93</b>		<b>15</b>		<b>108</b>	

Descripton: MAX/LBS	
Elevation	Feet
Brench (ft)	N/A
Floor (ft)	N/A
Overburden (ft)	2
Sub Drilling(ft)	3
<b>Total Depth (ft)</b>	<b>11.0</b>
Stemming Stones	6
TITAN 1000 LD (G)	5
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	

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TITAN 1000 LD (G)	5
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:32			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	0.070	43.6	122.4	363	55	
DAVID S	MANCHESTER ATHLETIC CLUB	42°35'30.75"N	10755	Threshold Not Met	N/A	N/A	N/A	714	N/A	
MARCUS K	27 MILL ST	42.592791 N	10883	Triggered	0.065	56.8	102.8	928	227	
MARCUS K	MEDICAL BUILDING	42.590592 N	10260	Threshold Not Met	N/A	N/A	N/A	1073	N/A	