



Blast Report



Job#	103-03-01462	Cust. PO#	N/A
Date	8/9/2024	Cust. Supt. Name	RON

Customer Name	D & M Civil Inc	Pick Tks#	35599	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
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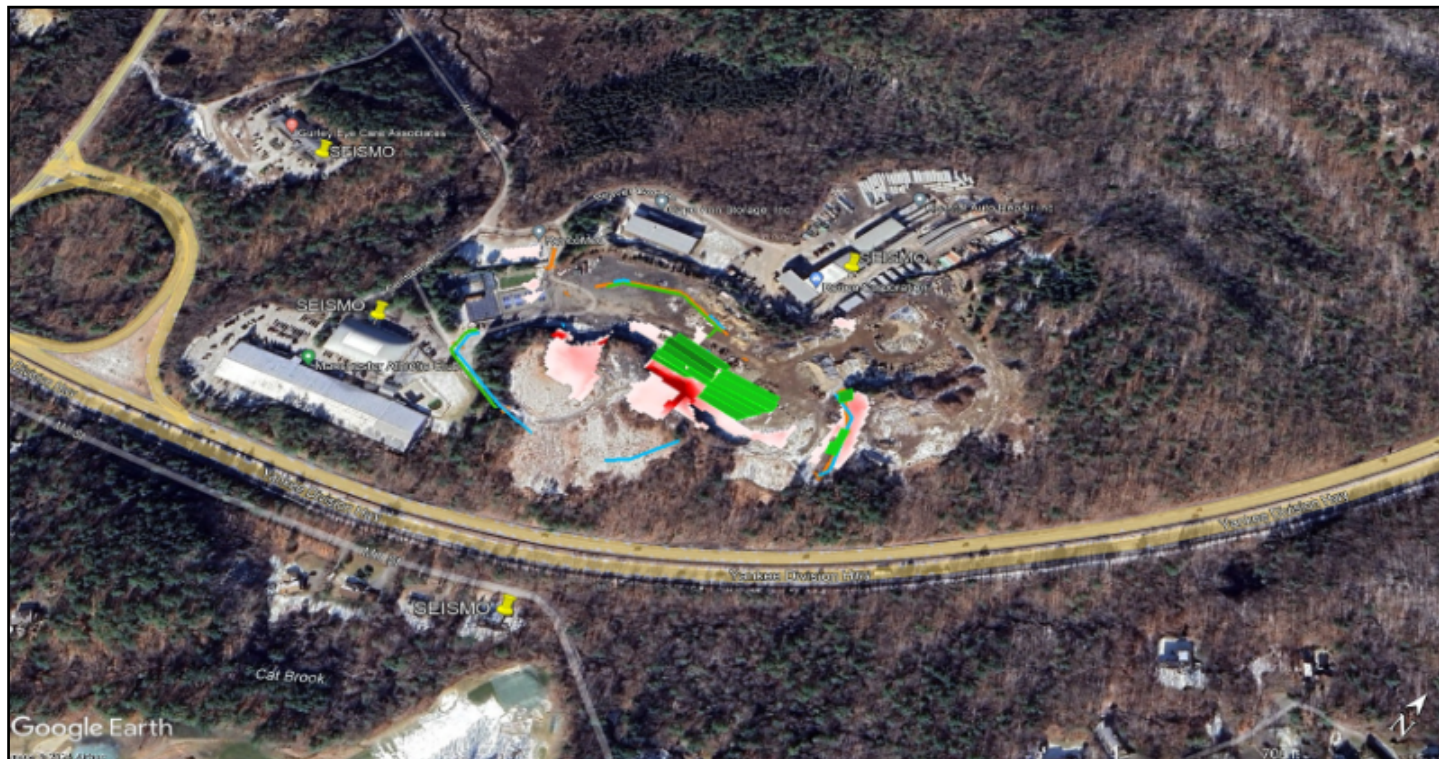
Blaster :	Swaby;Hoip D	Precautions Taken:
License #:	007151	DOUBLE MAT & USE BLAST DESIGN

Signature:		MOVE ALL MOVEABLES
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Weather Comments:
CLOUDY

No. of Crew Members	4		
Crew Members Names :			
DAVID S	GAVIN K	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 # 12 Shot Time (24hrs) 11:35 Shot VideoTaped: Y

Weather

Notes:

SHOT #12
BLAST FOR WATER & DRAIN
ELEVATION IS 81
DRILLED TO ELEVATION 77

Weather Conditions: Cloudy
Temp (°F): 60-70
Wind Direction: North
Wind Spd: 1-5 MPH

Preblast

Blast Direction: West Max Holes/Delay: 2 Predicted K Factor: 160
Blast Location: WATER/DRAIN Slope: -1.6 Scale Dist.: 64.77
Location of Structure: 1 BEAVER DAM RD Predicted Max Weigh/Delay: 62 Lbs Predicted PPV: 0.20
Measurement Google Map Dist. to Closest (Ft) Structure 510 Railroad/Highway 269 Overhead Util 685 Underground Util 685

Pay Quantities

Pay Calculations Notes

Fire Detail # of Hrs: 8
Pay Square Area 3240 Feet
N/A N/A N/A
N/A N/A N/A

6 X 9 X 60 HOLES = 3240 SQ FT

Shot Info

Configuration

1 - Open

Total Drill Depth(Ft)	960.00	Total SqFt	3240.00	Avg Powder	1.12 Lbs/Cyd	Total Product	Weight (Lbs) :	2141
Total Tons	N/A	Total	Yards	Factor	0.90 Cyd/Lbs	Avg Weight /	Hole (Lbs):	35.68
Cal Method	Pattern							
# Holes	60	# Loaded Holes	60	Cover Used/No	Blast	30		
	AVG	Min	Max					
Drill Depth	16	16	20	Stone Weight	N/A /Cyd	Top Stemming	7 Min	13 Max
Burden(Feet)	6	6	6	Type of Terrain	Hilly	Charges/Hole	1 Min	1 Max
Spacing (Feet)	9	9	9	Type of Rock	Granite	Deck Stemming	0 Min	0 Max
Hole Diameter	3.5	3.5	3.5	Stemming Type	3/8" Crushed Stone	Charge Wgt/Deck	20 Min	48 Max
OverBurden (Ft)	6	3	10	Height of Face	0	Depth of Water	0 Min	3 Max
Control Row Taped	Y			Angled Holes /Face Bermed	N/Y	Laser/BoreTracking	N	

Total Pounds 2141.00 Lbs

Type Of Initiation: Non-Electric

Product #	Desc	Density	Wgt
QR743G	TITAN 1000 LD (G)	1.25	2096.00 Lbs
BA BULK Totals:		N/A	2096.00 Lbs
Product #	Desc	Qty	Wgt
SP0350	TROJAN SPARTAN 350G BOOSTER 49/CS	60	45.00 Lbs
BOOSTERS Totals:		60	45.00 Lbs

Product #	Desc	Qty	Length
DXABZ629	NONEL EZDET 25/350 30FT ZCOMP 40/CS	60	
DETS DHOLE Totals:		60	
Product #	Desc	Qty	Length
DY17Z820ME	NONEL EZTL CPZ 17 MS 20/FT 60/120/CS	12	
DY25Z812ME	NONEL EZTL CPZ 25 MS 12FT 90/180/CS	49	
SURF DELAY Totals:		61	

Description: MAX/LBS

Elevation	Feet
Brench (ft)	N/A
Floor (ft)	N/A
Overburden (ft)	3
Sub Drilling(ft)	4
Total Depth (ft)	16.00

Stemming Stones	7
TITAN 1000 LD (G)	9
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:62****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	0.100	30.1	127.7	510	79
DAVID S	MANCHESTER ATHLETIC CLUB	42°35'30.75"N	10755	Threshold Not Met	N/A	N/A	N/A	1225	N/A
MARCUS KATYNSKI	27 MILL ST	42.592791 N	10883	Triggered	0.100	39.3	110.6	891	193
MARCUS KATYNSKI	MEDICAL BUILDING	42.590592 N	10260	Threshold Not Met	N/A	N/A	N/A	1645	N/A