



Blast Report



Job#	103-03-01462	Cust. PO#	N/A
Date	8/26/2024	Cust. Supt. Name	RON

Customer Name	D & M Civil Inc	Pick Tks#	35352	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

Pre Shift Insp.Time (24hrs) : 6:30:00 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	4		
Crew Members Names :			
DAVID S	JOE G	PEYTON M	BRUCE D
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Seismograph Monitoring Plan (Not to Scale):



Shot # 20 Shot Time (24hrs) 10:01 Shot VideoTaped: Y

Weather

Notes:

SHOT #20
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 Max Holes/Delay: 2 Predicted K Factor: 160

Blast Location: DRAIN/WATER/SEWER/MANHOLE Slope: -1.6 Scale Dist.: 61.29

Location of Structure: 1 BEAVER DAM RD Predicted Max Weigh/Delay: 52 Lbs Predicted PPV: 0.22

Measurement Google Map Dist. to Closest (Ft) Structure 442 Railroad/Highway 789 Overhead Util 313 Underground Util 313

Pay Quantities

Pay Calculations Notes

Fire Detail # of Hrs: 8

Pay Square Area 2496 Feet

N/A N/A N/A

N/A N/A N/A

6 X 8 X 52 HOLES = 2496 SQ FT

Shot Info

Configuration

1 - Open

Total Drill Depth(Ft) 676.00 Total SqFt 2496.00 Avg Powder 1.33 Lbs/Cyd Total Product Weight (Lbs) : 1595

Total Tons N/A Total Yards 1201.78 Factor 0.75 Cyd/Lbs Avg Weight / Hole (Lbs): 30.67

Cal Method Pattern

Holes 52

Loaded Holes 52

Cover Used/No Blast 35

AVG

Min Max

Drill Depth 13

13 13

Stone Weight N/A /Cyd

Top Stemming 6 Min 8 Max

Burden(Feet) 6 Feet

6 6

Type of Terrain Flat/Sloped

Charges/Hole 1 Min 1 Max

Spacing (Feet) 8 Feet

8 8

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 26 Min 37 Max

OverBurden (Ft) 3

2 4

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 1595.25 Lbs

Type Of Initiation: Non-Electric

Product #	Desc	Density	Wgt
QR743G	TITAN 1000 LD (G)	1.25	1554.00 Lbs
BA BULK Totals:		N/A	1554.00 Lbs

Product #	Desc	Qty	Wgt
SP0350	TROJAN SPARTAN 350G BOOSTER 49/CS	55	41.25 Lbs
BOOSTERS Totals:		55	41.25 Lbs

Product #	Desc	Qty	Length
DXABZ623	NONEL EZDET 25/350 24FT ZCOMP 60/CS	55	
DETS DHOLE Totals:		55	

Product #	Desc	Qty	Length
DJ25025	NONEL LEADLINE 2500FT/762M 2/CS	1	250
LINES Totals:		1	

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	44	
SURF DELAY Totals:		56	

Description: MAX/LBS

Elevation	Feet
Brench (ft)	N/A
Floor (ft)	N/A
Overburden (ft)	2
Sub Drilling(ft)	3
Total Depth (ft)	13.00

Stemming Stones	6
TITAN 1000 LD (G)	7
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:52****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	0.130	37.9	117.3	442	94
DAVID S	MANCHESTER ATHLETIC CLUB	42°35'30.75"N	10755	Triggered	0.087	42.7	121.3	728	140
MARCUS K	27 MILL ST	42.592791 N	10883	Triggered	0.115	32.0	106.6	1045	330
MARCUS K	MEDICAL BUILDING	42.590592 N	10260	Threshold Not Met	N/A	N/A	N/A	1023	N/A

Shot # 21 Shot Time (24hrs) 12:01 Shot VideoTaped: Y

Weather

Notes:

SHOT #21
BLAST FOR DRAIN, MANHOLE

Weather Conditions: Sunny

Temp (°F): 65-75

Wind Direction: North

Wind Spd: 1-5 MPH

Preblast

Blast Direction: North Max Holes/Delay: 1 Predicted K Factor: 160

Blast Location: DRAIN/MANHOLE Slope: -1.6 Scale Dist.: 95.53

Location of Structure: 1 BEAVER DAM RD Predicted Max Weigh/Delay: 24 Lbs Predicted PPV: 0.11

Measurement Google Map Dist. to Closest (Ft) 468 Structure 468 Railroad/Highway 686 Overhead Util 368 Underground Util 368

Pay Quantities

Pay Calculations Notes

Fire Detail # of Hrs: 8

Pay Square Area 750 Feet

N/A N/A N/A

N/A N/A N/A

5 X 6 X 25 HOLES = 750 SQ FT

Shot Info

Configuration

1 - Open

Total Drill Depth(Ft) 262.50 Total SqFt 750.00 Avg Powder 1.32 Lbs/Cyd Total Product Weight (Lbs) : 384

Total Tons N/A Total Yards 291.67 Factor 0.76 Cyd/Lbs Avg Weight / Hole (Lbs): 15.36

Cal Method Pattern

Holes 25

Loaded Holes 25

Cover Used/No Blast 18

	AVG	Min	Max										
Drill Depth	<u>10.5</u>	<u>10.5</u>	<u>10.5</u>	Stone Weight	<u>N/A</u>	<u>/Cyd</u>	Top Stemming	<u>6</u>	Min	<u>8</u>	Max		
Burden(Feet)	<u>5</u>	<u>5</u>	<u>5</u>	Type of Terrain	<u>Flat/Sloped</u>		Charges/Hole	<u>1</u>	Min	<u>1</u>	Max		
Spacing (Feet)	<u>6</u>	<u>6</u>	<u>6</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>12</u>	Min	<u>24</u>	Max		
OverBurden (Ft)	<u>2</u>	<u>2</u>	<u>4</u>	Height of Face	<u>0</u>		Depth of Water	<u>0</u>	Min	<u>3</u>	Max		

Control Row Taped Y

Angled Holes /Face Bermed N/Y

Laser/BoreTracking N

Total Pounds 383.75 Lbs

Type Of Initiation: Non-Electric

Product #	Desc	Density	Wgt
QR743G	TITAN 1000 LD (G)	1.25	365.00 Lbs
BA BULK Totals:		N/A	365.00 Lbs

Product #	Desc	Qty	Wgt
SP0350	TROJAN SPARTAN 350G BOOSTER 49/CS	25	18.75 Lbs
BOOSTERS Totals:		25	18.75 Lbs

Product #	Desc	Qty	Length
DXABZ623	NONEL EZDET 25/350 24FT ZCOMP 60/CS	25	
DETS DHOLE Totals:		25	

Product #	Desc	Qty	Length
DJ25025	NONEL LEADLINE 2500FT/762M 2/CS	1	250
LINES Totals:		1	

Product #	Desc	Qty	Length
DY17Z820ME	NONEL EZTL CPZ 17 MS 20/FT 60/120/CS	8	
DY25Z812ME	NONEL EZTL CPZ 25 MS 12FT 90/180/CS	20	
SURF DELAY Totals:		28	

Description: MAX/LBS

Elevation	Feet
Brench (ft)	N/A
Floor (ft)	N/A
Overburden (ft)	2
Sub Drilling(ft)	3
Total Depth (ft)	10.50

Stemming Stones	6
TITAN 1000 LD (G)	4.5
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:24****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	0.046	31.5	114.4	468	68
DAVID S	MANCHESTER ATHLETIC CLUB	42°35'30.75"N	10755	Threshold Not Met	N/A	N/A	N/A	755	N/A
MARCUS K	27 MILL ST	42.592791 N	10883	Threshold Not Met	N/A	N/A	N/A	940	N/A
MARCUS K	MEDICAL BUILDING	42.590592 N	10260	Threshold Not Met	N/A	N/A	N/A	1109	N/A