



Blast Report



Job#	103-03-01462	Cust. PO#	N/A	
Date	8/27/2024	Cust. Supt. Name	RON	
Customer Name	D & M Civil Inc	Pick Tks#	35353	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	Precautions Taken:	DOUBLE MAT & USE BLAST DESIGN	
Blaster :	Swaby;Hoip D	Weather	Comments:	
License #:	007151		SUNNY	
Signature:				

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 # 22 Shot Time (24hrs) 10:05 Shot VideoTaped: Y

Weather

Notes:

SHOT #20
BLAST FOR WATER, SEWER, DRAIN

Weather Conditions: Sunny

Temp (°F): 60-75

Wind Direction: North

Wind Spd: 1-5 MPH

Preblast

Blast Direction: North-East Max Holes/Delay: 2.00 Predicted K Factor: 160
Blast Location: DRAIN/WATER/SEWER Slope: -1.60 Scale Dist.: 50.38
Location of Structure: 1 BEAVER DAM RD Predicted Max Weigh/Delay: 64 Lbs Predicted PPV: 0.30
Measurement Google Map Dist. to Closest (Ft) Structure 403 Railroad/Highway 730 Overhead Util 325 Underground Util 325

Pay Quantities

Pay Calculations Notes

Fire Detail # of Hrs: 8

Pay Square Area 2688 Feet

N/A N/A N/A

N/A N/A N/A

6 X 8 X 56 HOLES = 2688 SQ FT

Shot Info

Configuration

1 - Open

Total Drill Depth(Ft)	728.00	Total SqFt	2688.00	Avg Powder	1.52 Lbs/Cyd	Total Product Weight (Lbs) :	1961
Total Tons	N/A	Total Yards	1294.22	Factor	0.66 Cyd/Lbs	Avg Weight / Hole (Lbs):	35.02
Cal Method	Pattern						
# Holes	56	# Loaded Holes	56	Cover Used/No Blast	35		
	AVG	Min	Max				
Drill Depth	13.00	13.00	13.00	Stone Weight	N/A /Cyd	Top Stemming	6.00 Min 7 Max
Burden(Feet)	6.00	6.00	6.00	Type of Terrain	Flat	Charges/Hole	1 Min 1 Max
Spacing (Feet)	8.00	8.00	8.00	Type of Rock	Granite	Deck Stemming	0.00 Min 0.00 Max
Hole Diameter	3.50	3.50	3.50	Stemming Type	3/8" Crushed Stone	Charge Wgt/Deck	32 Min 37 Max
OverBurden (Ft)	2.00	1	4.00	Height of Face	0.00	Depth of Water	0.00 Min 2.00 Max
Control Row Taped	Y			Angled Holes /Face Bermed	N/Y	Laser/BoreTracking	N

Total Pounds 1961.00 Lbs

Type Of Initiation: Non-Electric

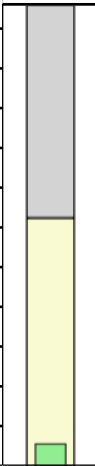
Product #	Desc	Density	Wgt
QR743G	TITAN 1000 LD (G)	1.25	1919.00 Lbs
BA BULK Totals:		N/A	1919.00 Lbs
Product #	Desc	Qty	Wgt
SP0350	TROJAN SPARTAN 350G BOOSTER 49/CS	56	42.00 Lbs
BOOSTERS Totals:		56	42.00 Lbs

Product #	Desc	Qty	Length
DXABZ623	NONEL EZDET 25/350 24FT ZCOMP 60/CS	56	
DETS DHOLE Totals:		56	
Product #	Desc	Qty	Length
DJ25025	NONEL LEADLINE 2500FT/762M 2/CS	1	250
LINES Totals:		1	
Product #	Desc	Qty	Length
DY17Z812ME	NONEL EZTL CPZ 17 MS 12FT 90/180/CS	14	
DY25Z812ME	NONEL EZTL CPZ 25 MS 12FT 90/180/CS	50	
SURF DELAY Totals:		64	

Description: MAX/LBS

Elevation	Feet
Brench (ft)	N/A
Floor (ft)	N/A
Overburden (ft)	1
Sub Drilling(ft)	3.00
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:64****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	0.086	24.4	119.9	403	46
DAVID S	MANCHESTER ATHLETIC CLUB	42°35'30.75"N	10755	Triggered	0.098	32.0	119.3	801	156
DAVID S	27 MILL ST	42.592791 N	10883	Triggered	0.105	42.6	105.5	1025	247
DAVID S	MEDICAL BUILDING	42.590592 N	10260	Threshold Not Met	N/A	N/A	N/A	1087	N/A

Shot # 23 Shot Time (24hrs) 13:04 Shot VideoTaped: Y

Weather

Notes:

SHOT #23
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: 1.00 Predicted K Factor: 160
Blast Location: DRAIN/MANHOLE Slope: -1.60 Scale Dist.: 104.10
Location of Structure: 1 BEAVER DAM RD Predicted Max Weigh/Delay: 24 Lbs Predicted PPV: 0.09
Measurement GPS Dist. to Closest (Ft) 510 Railroad/Highway 685 Overhead Util 397 Underground Util 397

Pay Quantities

Pay Calculations Notes

Fire Detail # of Hrs: 8

Pay Square Area 1610 Feet

N/A N/A

N/A N/A

5 X 7 X 46 HOLES = 1610 SQ FT

Shot Info

Configuration

1 - Trench

Total Drill Depth(Ft)	<u>483.00</u>	Total SqFt	<u>1610.00</u>	Avg Powder	<u>1.65</u> Lbs/Cyd	Total Product Weight (Lbs) :	<u>1032</u>
Total Tons	<u>N/A</u>	Total Yards	<u>626.11</u>	Factor	<u>0.61</u> Cyd/Lbs	Avg Weight / Hole (Lbs):	<u>22.43</u>

Cal Method	Pattern								
# Holes	<u>46</u>	# Loaded Holes	<u>46</u>	Cover Used/No Blast	<u>35</u>				
	<u>AVG</u>	<u>Min</u>	<u>Max</u>						
Drill Depth	<u>10.5</u>	<u>10.5</u>	<u>10.5</u>	Stone Weight	<u>N/A</u> /Cyd	Top Stemming	<u>5</u> Min	<u>7</u> Max	
Burden(Feet)	<u>5.00</u> Feet	<u>5.00</u>	<u>5.00</u>	Type of Terrain	<u>Flat</u>	Charges/Hole	<u>1</u> Min	<u>1</u> Max	
Spacing (Feet)	<u>7</u> Feet	<u>7</u>	<u>7</u>	Type of Rock	<u>Granite</u>	Deck Stemming	<u>0.00</u> Min	<u>0.00</u> Max	
Hole Diameter	<u>3.50</u>	<u>3.50</u>	<u>3.50</u>	Stemming Type	<u>3/8" Crushed Stone</u>	Charge Wgt/Deck	<u>17</u> Min	<u>24</u> Max	
OverBurden (Ft)	<u>1</u>	<u>0</u>	<u>4.00</u>	Height of Face	<u>0.00</u>	Depth of Water	<u>0.00</u> Min	<u>2.00</u> Max	
Control Row Taped	<u>Y</u>			Angled Holes /Face Bermed	<u>N/Y</u>	Laser/BoreTracking	<u>N</u>		

Total Pounds 1032.25 Lbs

Type Of Initiation: Non-Electric

Product #	Desc	Density	Wgt
QR743G	TITAN 1000 LD (G)	1.25	991.00 Lbs
BA BULK Totals:		N/A	991.00 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
DY17Z812ME	NONEL EZTL CPZ 17 MS 12FT 90/180/CS	16	
DY25Z812ME	NONEL EZTL CPZ 25 MS 12FT 90/180/CS	33	
SURF DELAY Totals:		49	

Description: MAX/LBS

Elevation	Feet
Brench (ft)	N/A
Floor (ft)	N/A
Overburden (ft)	0
Sub Drilling(ft)	3.00
Total Depth (ft)	10.50

Stemming Stones	5
TITAN 1000 LD (G)	5.5
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	0.040	39.4	115.0	510	68
DAVID S	MANCHESTER ATHLETIC CLUB	42°35'30.75"N	10755	Triggered	0.056	56.9	119.6	610	126
DAVID S	27 MILL ST	42.592791 N	10883	Triggered	0.055	39.3	105.5	941	248
DAVID S	MEDICAL BUILDING	42.590592 N	10260	Threshold Not Met	N/A	N/A	N/A	964	N/A